# 2023

# *Outboard Rigging and Parts*

Reliability Starts Here.®

YAMAHA

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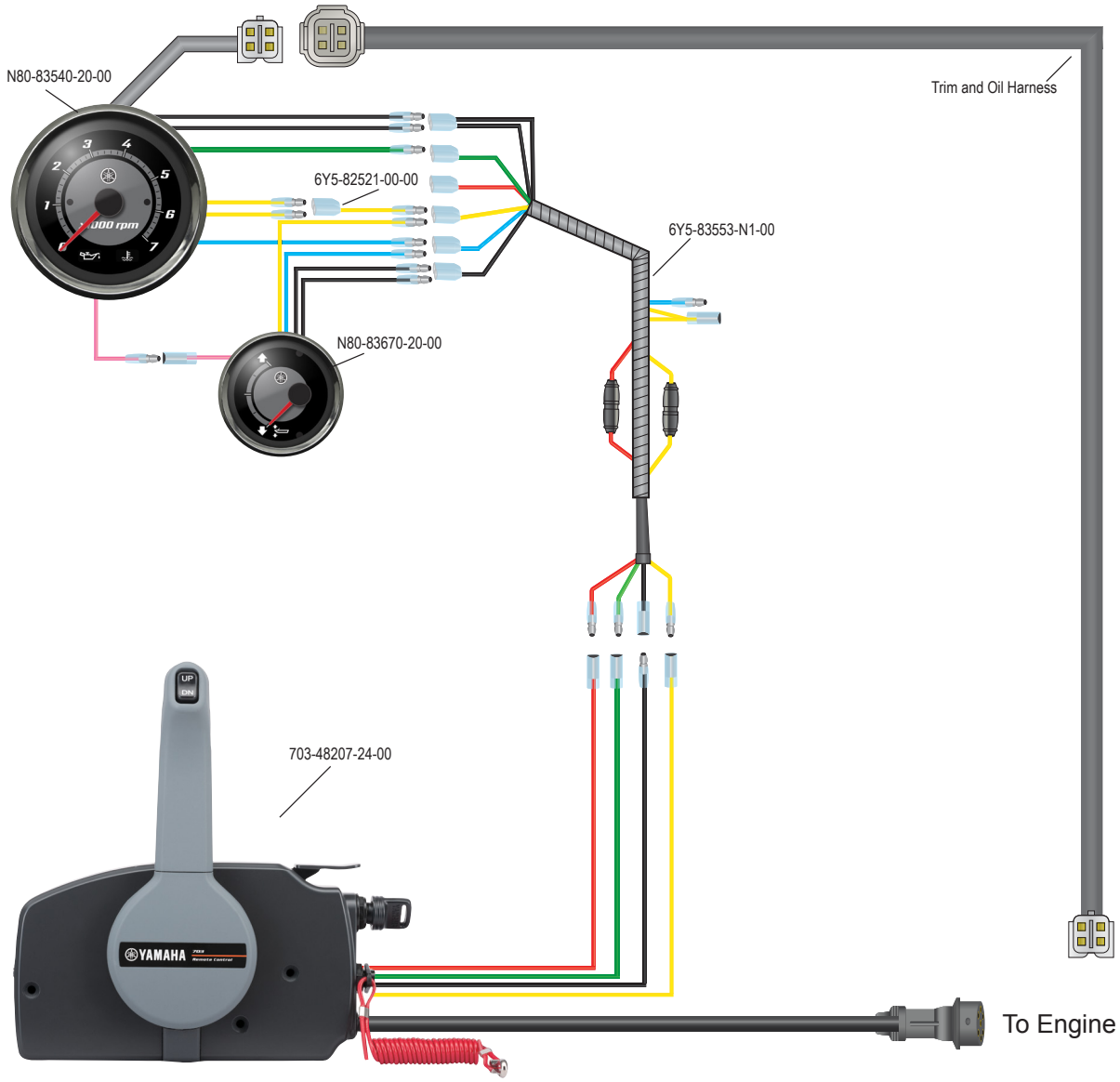

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## Single Engine with Mechanical Side Mount Controls - Analog Gauges



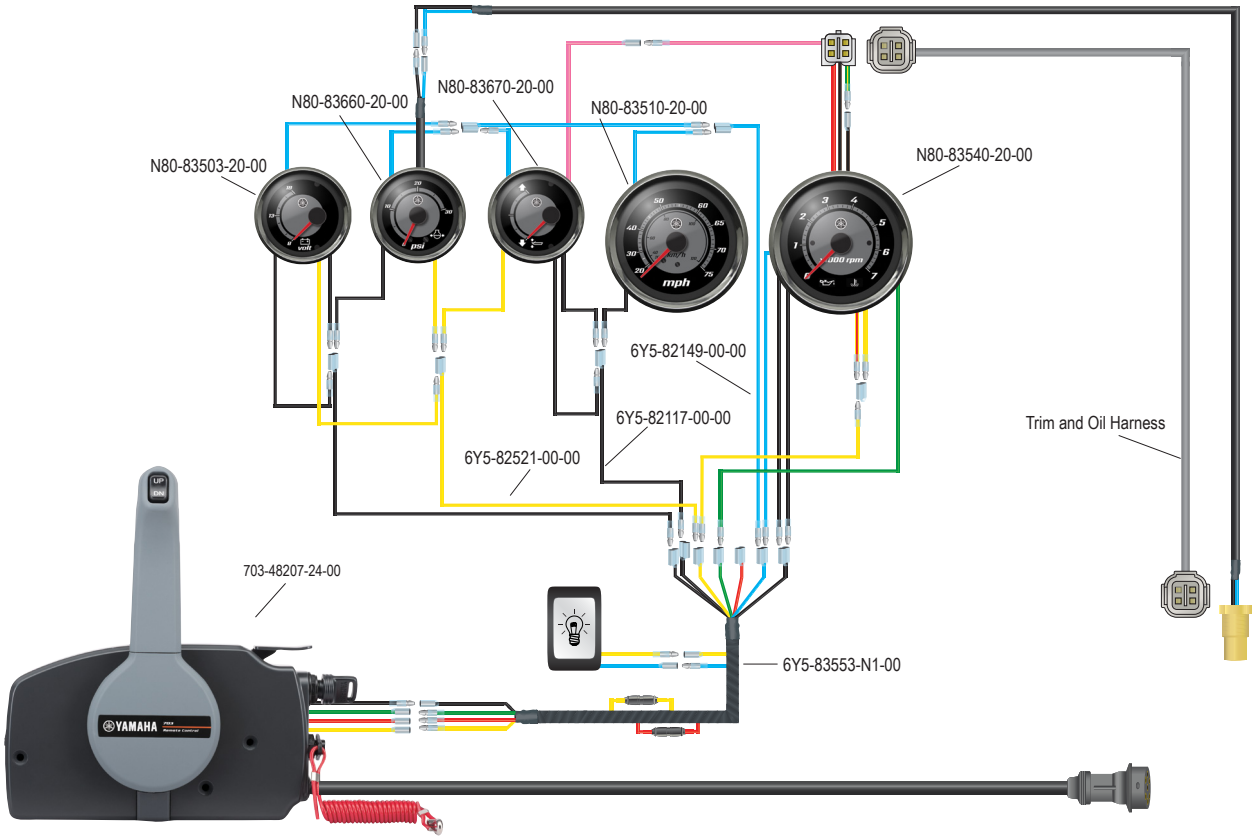

### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 703 Side Mount Control with 10 Pin Harness | 703-48207-24-00 |
| 1 | Analog Tachometer | N80-83540-20-00 |
| 1 | Analog Trim Meter | N80-83670-20-00 |
| 1 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 1 | Yellow Wire Extension | 6Y5-82521-00-00 |
| 1 | 2005~ Trim and Oil Harness | See List[1] |

**[1] 2005~ Trim and Oil Harness**

| | |
|---|---|
| 16.4 ft. | 6Y5-83653-00-00 |
| 19.7 ft. | 6Y5-83653-10-00 |
| 23 ft. | 6Y5-83653-20-00 |
| 26.3 ft. | 6Y5-83653-30-00 |
| 30 ft. | 6Y5-83653-40-00 |
| 35 ft. | 6Y5-83653-50-00 |

# Single Engine with Mechanical Side Mount Controls - Analog Gauges



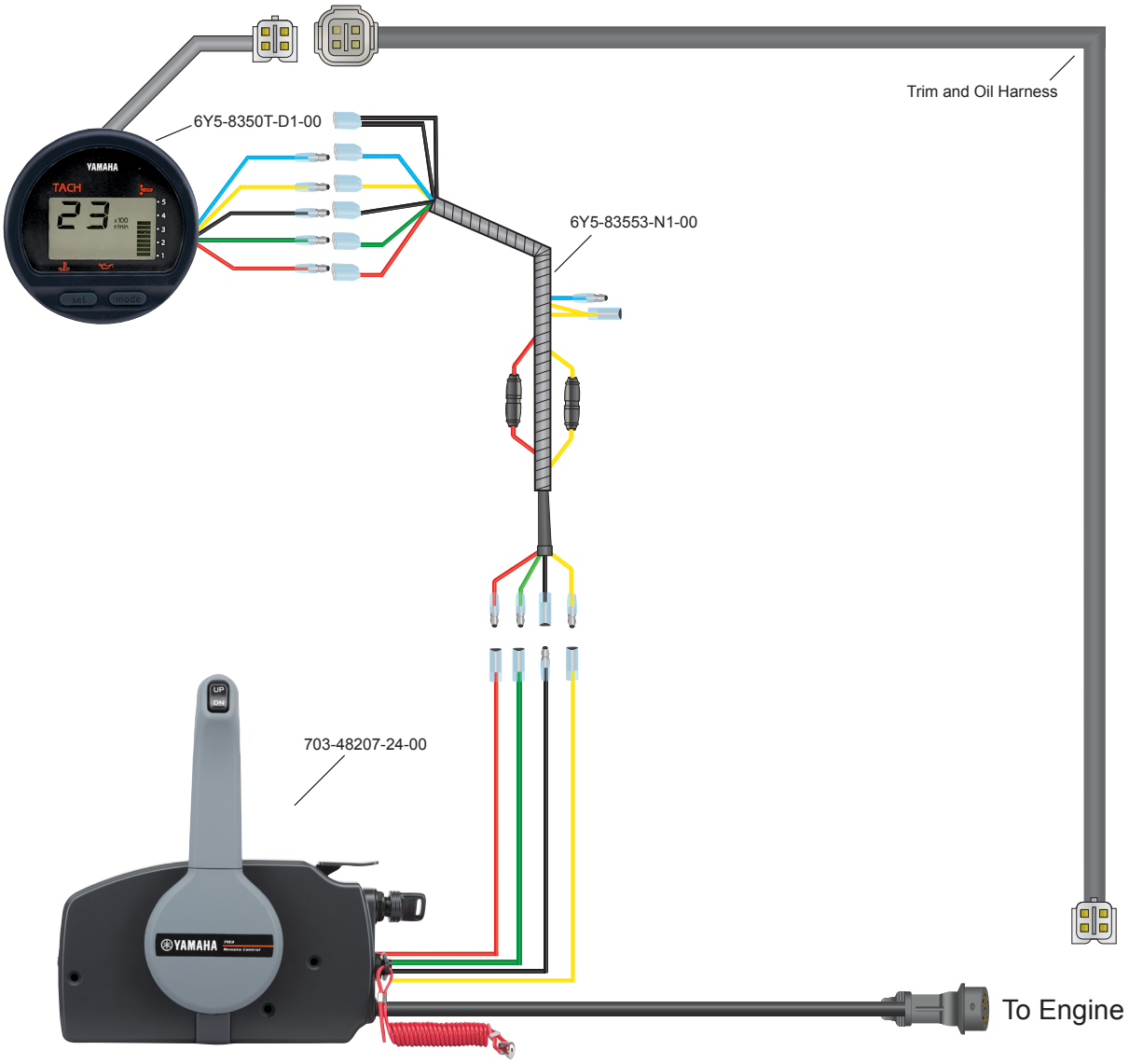

**Parts order list for basic installation:**

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 703 Side Mount Control with 10 Pin Harness | 703-48207-24-00 |
| 1 | Analog Tachometer | N80-83540-20-00 |
| 1 | Analog Speedometer | N80-83510-20-00 |
| 1 | Analog Trim Meter | N80-83670-20-00 |
| 1 | Analog Water Temp Gauge | N80-83660-20-00 |
| 1 | Analog Volt Meter | N80-83503-20-00 |
| 1 | Water Pressure Sender | 688-83667-01-00 |
| 1 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 2 | Yellow Wire Extension | 6Y5-82521-00-00 |
| 2 | Blue Wire Extension | 6Y5-82149-00-00 |
| 2 | Black Wire Extension | 6Y5-82117-00-00 |
| 1 | 2005~ Trim and Oil Harness | See List[1] |

**[1] 2005~ Trim and Oil Harness**

| | |
|---|---|
| 16.4 ft. | 6Y5-83653-00-00 |
| 19.7 ft. | 6Y5-83653-10-00 |
| 23 ft. | 6Y5-83653-20-00 |
| 26.3 ft. | 6Y5-83653-30-00 |
| 30 ft. | 6Y5-83653-40-00 |
| 35 ft. | 6Y5-83653-50-00 |

## **Single Engine with Mechanical Side Mount Controls** - Multifunction Gauges



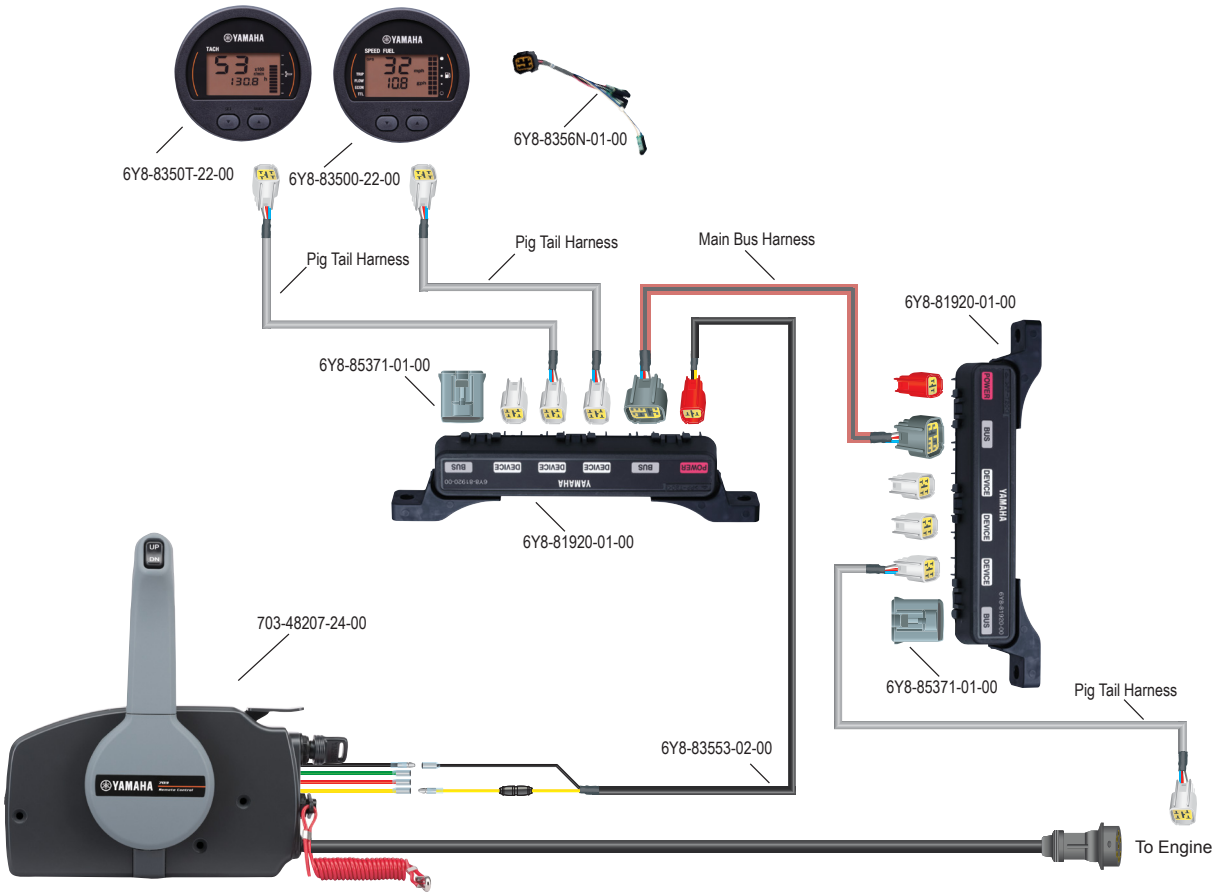

**Parts order list for basic installation:**

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 703 Side Mount Control with 10 Pin Harness | 703-48207-24-00 |
| 1 | Multifunction Tachometer Kit | 6Y5-8350T-D1-00 |
| 1 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 1 | Trim and Oil Harness | See List[1] |

**[1] 2005~ Trim and Oil Harness**

| | |
|---|---|
| 16.4 ft. | 6Y5-83653-00-00 |
| 19.7 ft. | 6Y5-83653-10-00 |
| 23 ft. | 6Y5-83653-20-00 |
| 26.3 ft. | 6Y5-83653-30-00 |
| 30 ft. | 6Y5-83653-40-00 |
| 35 ft. | 6Y5-83653-50-00 |

# Single Engine with Mechanical Side Mount Controls - Command Link®




## Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 703 Side Mount Control with 10 Pin Harness | 703-48207-24-00 |
| 1 | Command Link Tachometer | 6Y8-8350T-22-00 |
| 1 | Command Link Speed / Fuel Gauge | 6Y8-83500-22-00 |
| 2 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | Power Lead, 8 ft. | 6Y8-83553-02-00 |
| 1 | Cap, 2 Pin | 6Y8-82582-01-00 |
| 3 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Speed Sensor Kit | 60V-8A4L1-1C-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | Pigtail Harness, Engine to Rear Hub, 12 ft. | 6Y8-82521-51-00 |
| 2 | Pigtail Harness, Hub to Gauge | See List[1] |
| 1 | Main Bus Hub, Rear Hub to Front Hub | See List[2] |

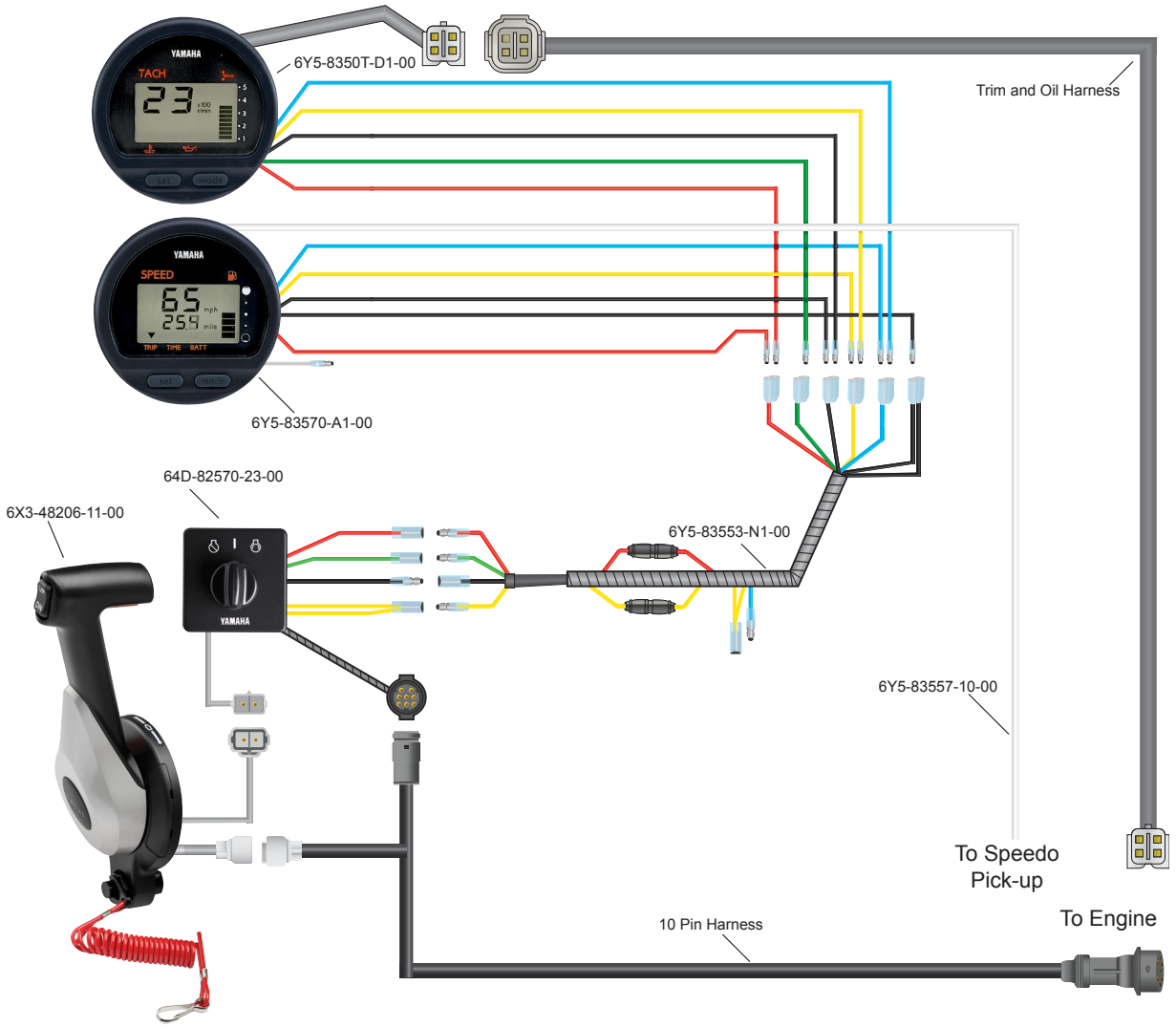
### [1]Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

### [2] Main Bus Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

## Single Engine with Mechanical Flush Mount Controls - Multifunction Gauges




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 6X3 Premium Flush Mount Control Box | 6X3-48206-11-00 |
| 1 | Single Engine Key Switch | 64D-82570-23-00 |
| 1 | Multifunction Tachometer | 6Y5-8350T-D1-00 |
| 1 | Multifunction Speedometer | 6Y5-83570-A1-00 |
| 1 | Speedometer Tube, 8.0 m | 6Y5-83557-10-00 |
| 2 | Clamp | 90465-10098-00 |
| 10 | Clamp | 90465-13M39-00 |
| 1 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Trim and Oil Harness (2005~) | See List[2] |

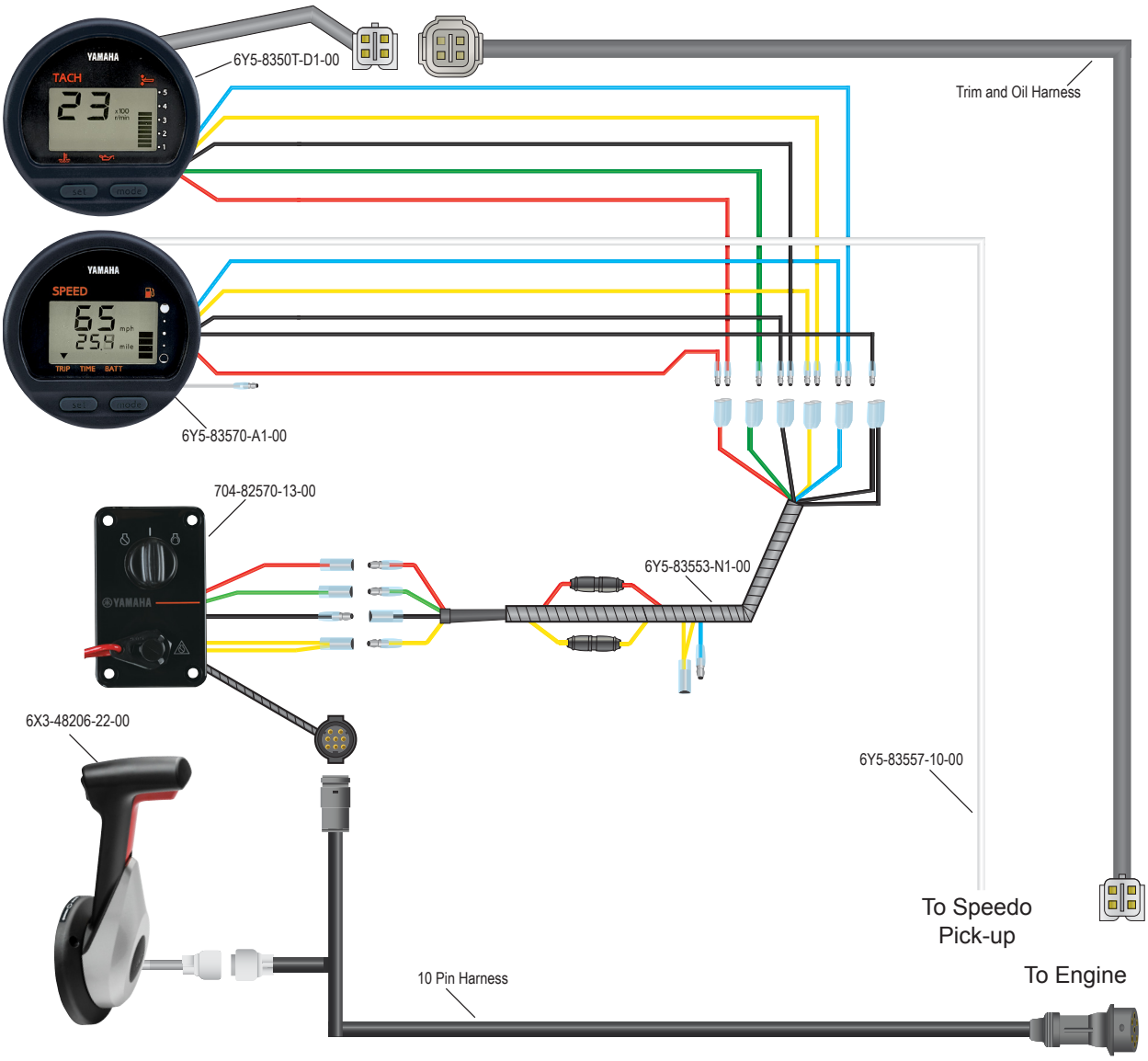
### [1] 10-Pin Harnesses

16 ft. 688-8258A-50-00
20 ft. 688-8258A-60-00
23 ft. 688-8258A-70-00
26 ft. 6K1-8258A-41-00
31.2 ft. 61B-8258A-02-00

### [2] 2005~ Trim and Oil Harness

16.4 ft. 6Y5-83653-00-00
19.7 ft. 6Y5-83653-10-00
23 ft. 6Y5-83653-20-00
26.3 ft. 6Y5-83653-30-00
30 ft. 6Y5-83653-40-00
35 ft. 6Y5-83653-50-00

## **Single Engine with Mechanical Flush Mount Controls** - Multifunction Gauges




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 6X3 Premium Flush Mount Control Box (Left Control) | 6X3-48206-22-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | Multifunction Tachometer | 6Y5-8350T-D1-00 |
| 1 | Multifunction Speedometer | 6Y5-83570-A1-00 |
| 1 | Speedometer Tube, 8.0 m | 6Y5-83557-10-00 |
| 2 | Clamp | 90465-10098-00 |
| 10 | Clamp | 90465-13M39-00 |
| 1 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Trim and Oil Harness (2005~) | See List[2] |

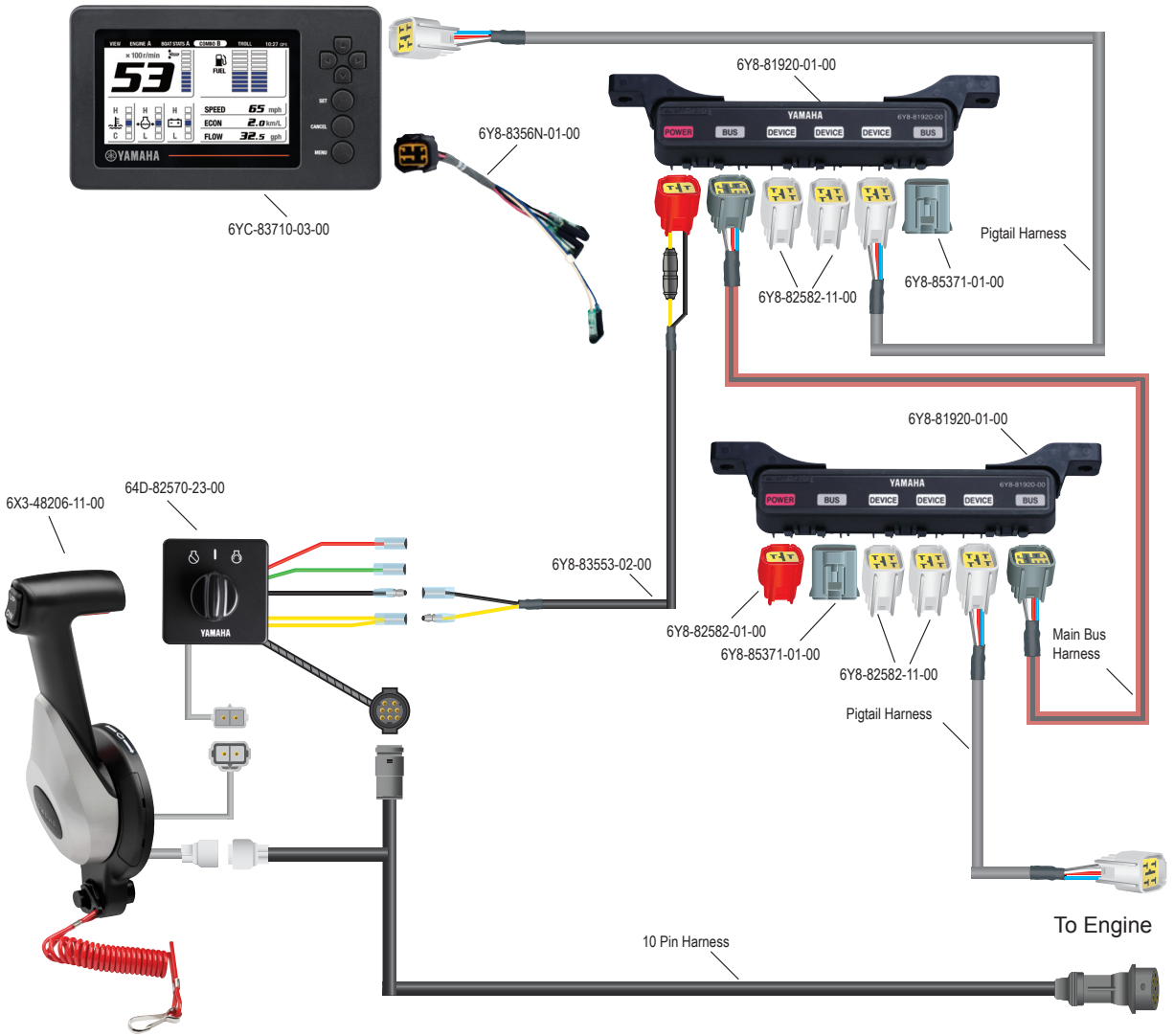
### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

### [2] 2005~ Trim and Oil Harness

| | |
|---|---|
| 16.4 ft. | 6Y5-83653-00-00 |
| 19.7 ft. | 6Y5-83653-10-00 |
| 23 ft. | 6Y5-83653-20-00 |
| 26.3 ft. | 6Y5-83653-30-00 |
| 30 ft. | 6Y5-83653-40-00 |
| 35 ft. | 6Y5-83653-50-00 |

## Single Engine with Mechanical Flush Mount Controls - 6YC Display




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 6X3 Premium Flush Mount Control Box | 6X3-48206-11-00 |
| 1 | Single Engine Key Switch | 64D-82570-23-00 |
| 1 | 6YC Display Kit | 6YC-0E83C-00-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Main Bus Harness, Rear Hub to Front Hub | See List[2] |
| 1 | Pigtail Harnesses, Front Hub to Display | See List[3] |

### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

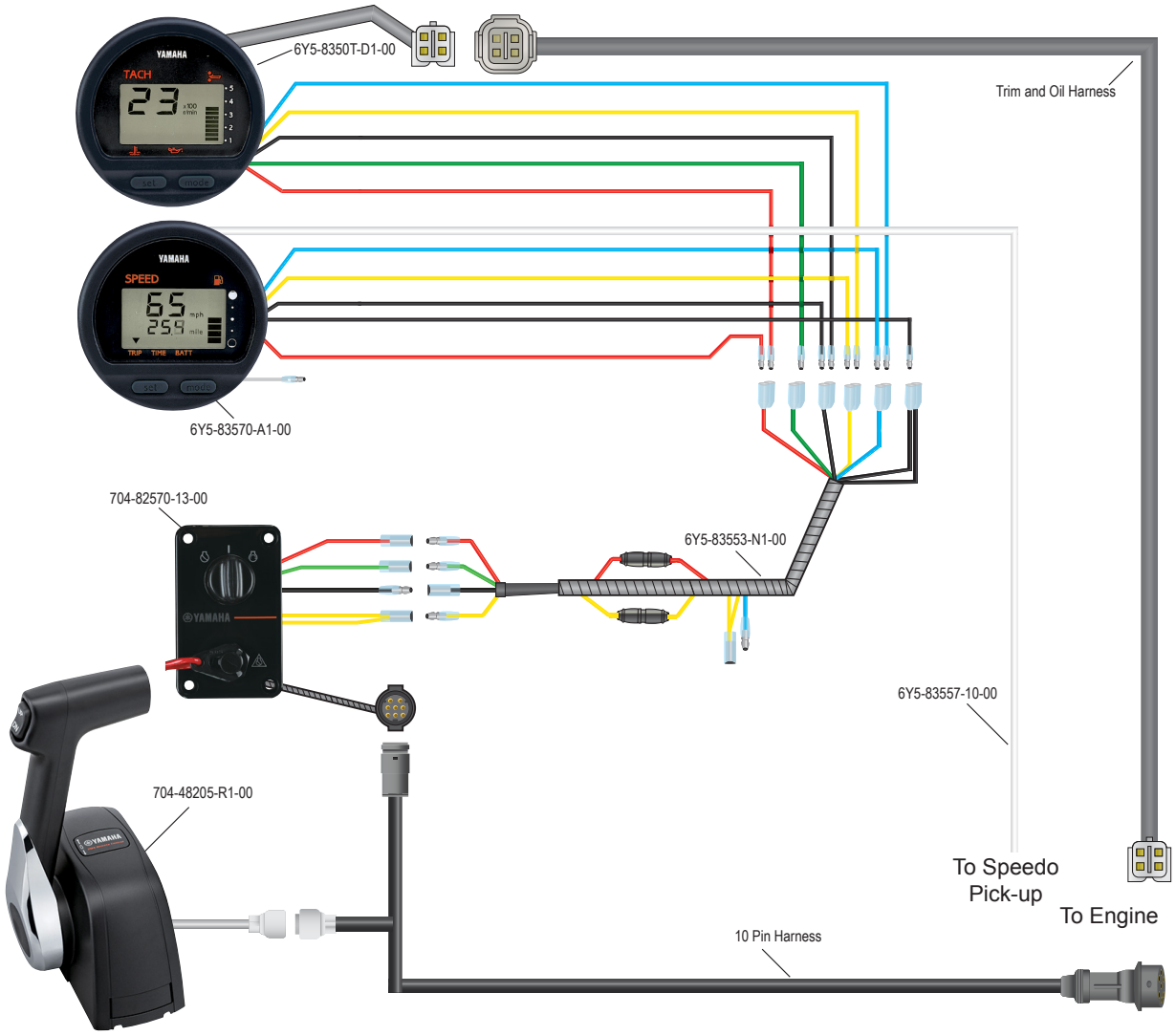
### [2] Main Bus Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

### [3] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

# **Single Engine with Binnacle Controls** - Multifunction Gauges




## Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Premium 704 Single Engine Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | Multifunction Tachometer | 6Y5-8350T-D1-00 |
| 1 | Multifunction Speedometer | 6Y5-83570-A1-00 |
| 1 | Speedometer Tube, 8.0 m | 6Y5-83557-10-00 |
| 2 | Clamp | 90465-10098-00 |
| 10 | Clamp | 90465-13M39-00 |
| 1 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Trim and Oil Harness (2005~) | See List[2] |

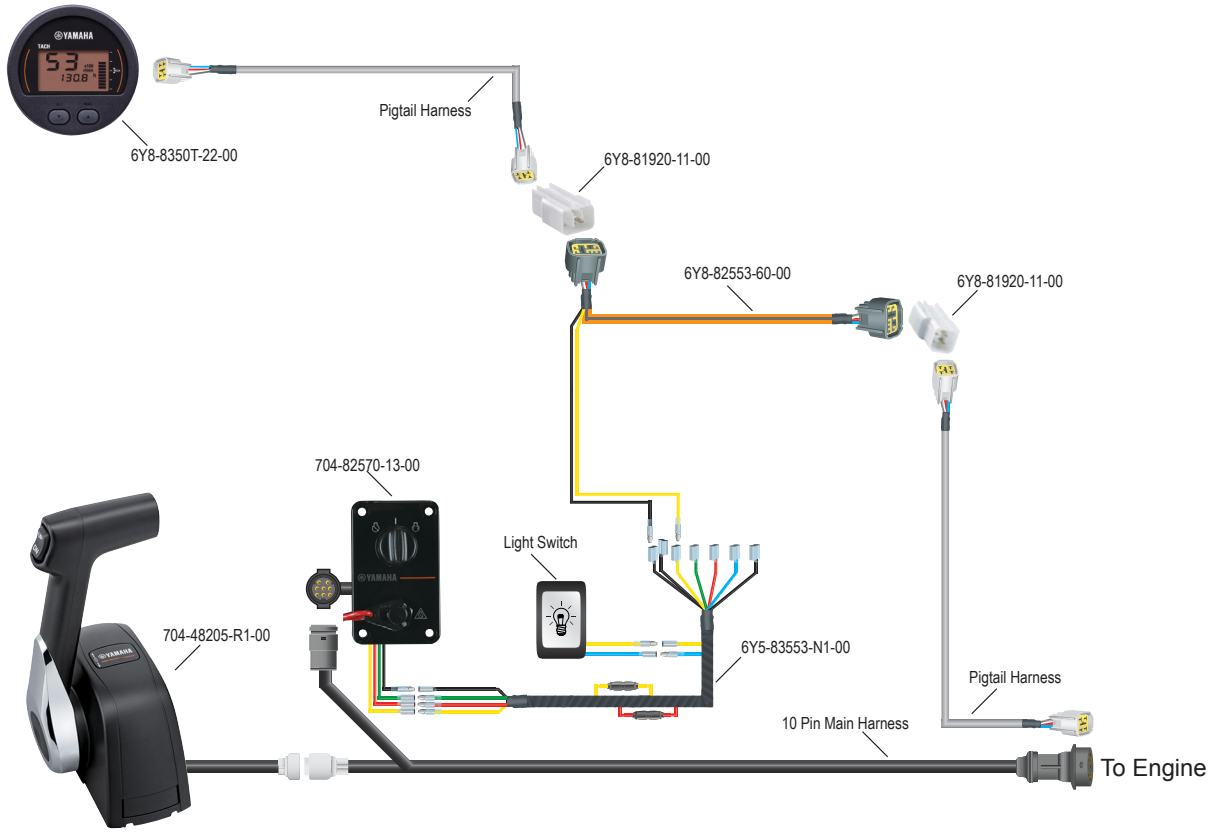
### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

### [2] 2005~ Trim and Oil Harness

| | |
|---|---|
| 16.4 ft. | 6Y5-83653-00-00 |
| 19.7 ft. | 6Y5-83653-10-00 |
| 23 ft. | 6Y5-83653-20-00 |
| 26.3 ft. | 6Y5-83653-30-00 |
| 30 ft. | 6Y5-83653-40-00 |
| 35 ft. | 6Y5-83653-50-00 |

## **Single Engine with Binnacle Controls** - Command Link®



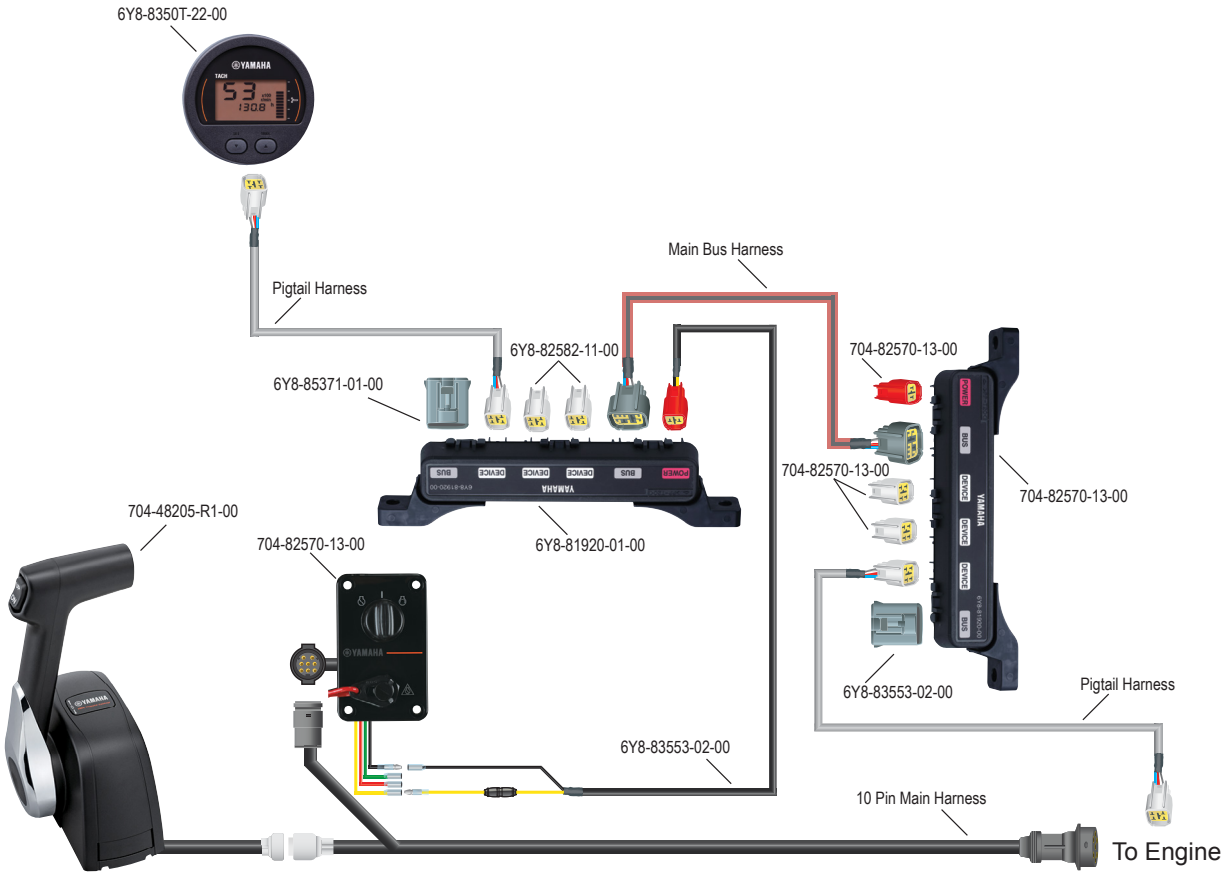

### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Premium 704 Single Engine Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | Command Link® Round Gauge Kit with In-line Hub | 6Y8-0E83R-81-00 |
| 1 | 10-Pin Main Harness | See List[1] |

### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

# Single Engine with Binnacle Controls - Command Link®




## Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Premium 704 Single Engine Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | Command Link® Round One Gauge Kit | 6Y8-0E83R-61-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Main Bus Harness, Rear Hub to Front Hub | See List[2] |
| 1 | Pigtail Harnesses, Front Hub to Gauges | See List[3] |

### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

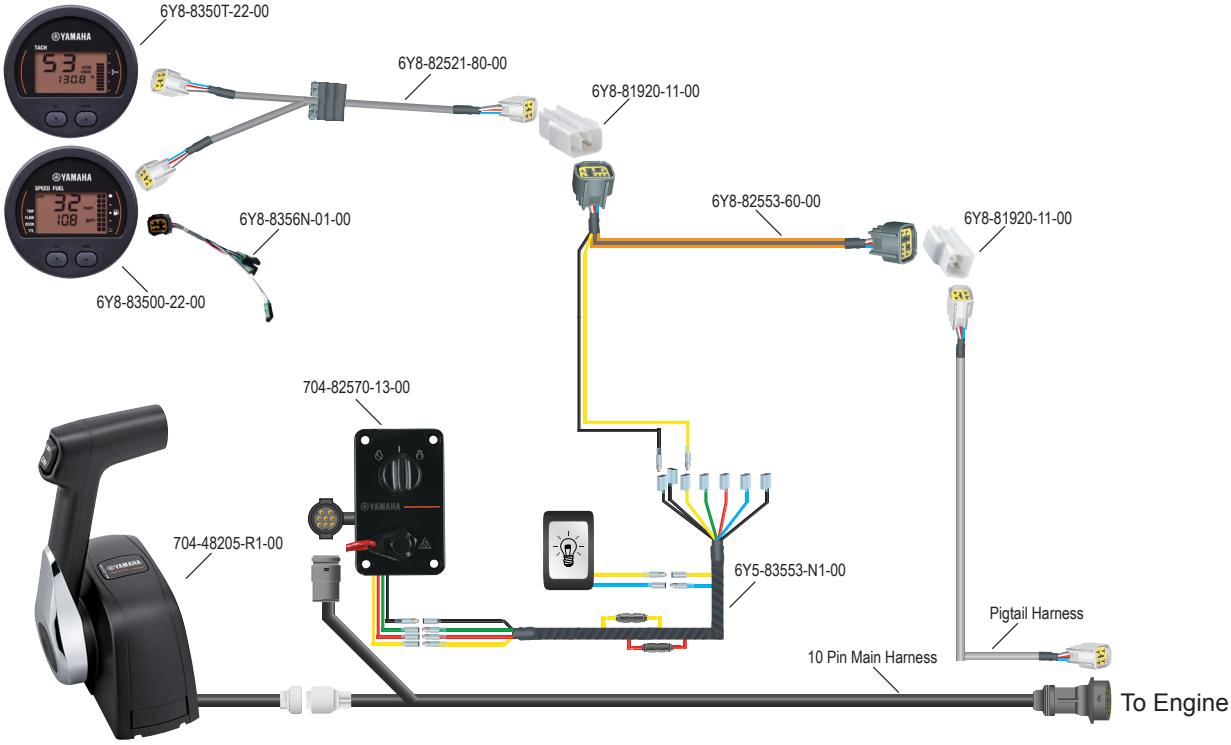
### [2] Main Bus Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

### [3] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## **Single Engine with Binnacle Controls** - Command Link®



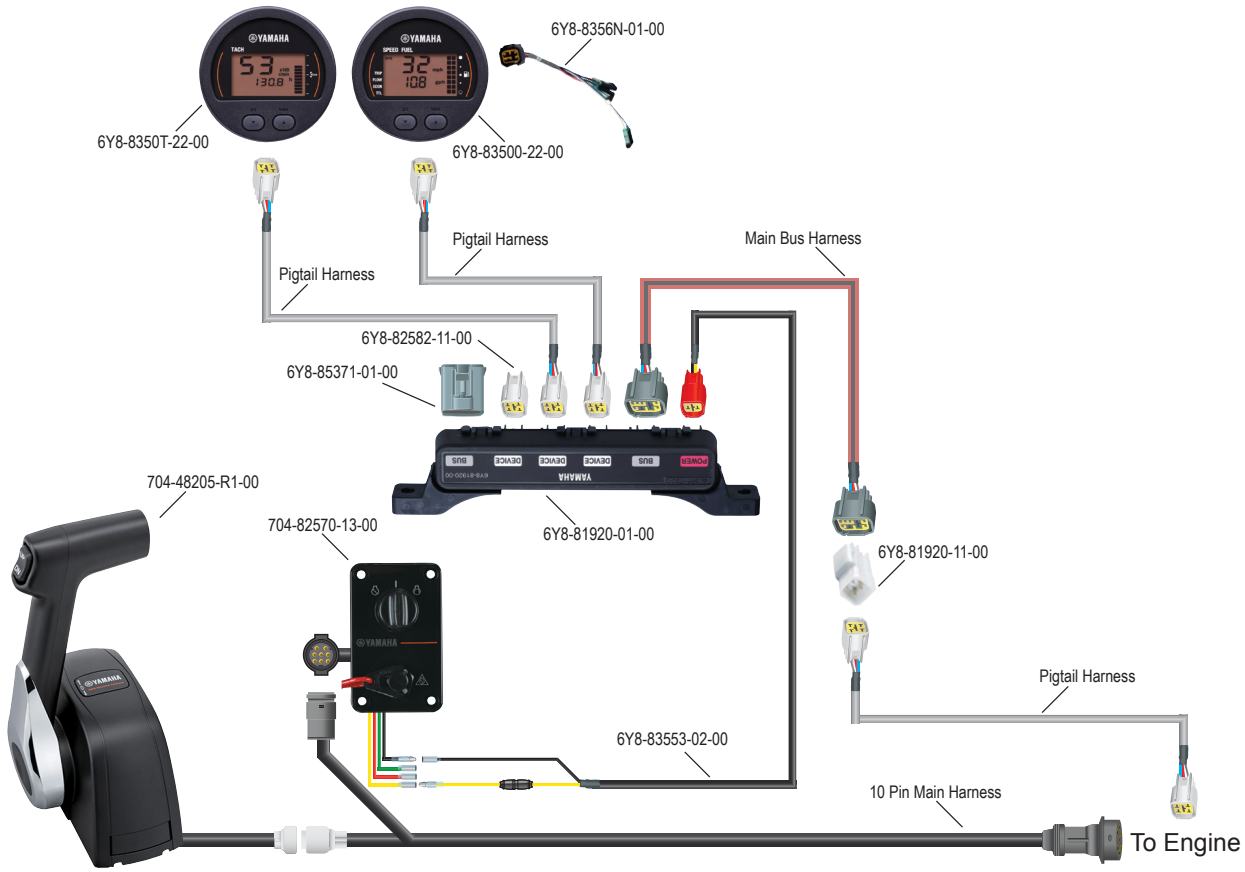

### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Premium 704 Single Engine Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | Command Link® Round Gauge Kit with In-line Hub | 6Y8-0E83R-91-00 |
| 1 | 10-Pin Main Harness | See List[1] |

### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

# Single Engine with Binnacle Controls - Command Link®




## Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Premium 704 Single Engine Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | Command Link® Round Gauge Kit with In-line Hub | 6Y8-0E83R-71-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Main Bus Harness, Rear In-line Hub to Front Hub | See List[2] |
| 2 | Pigtail Harnesses, Front Hub to Gauges | See List[3] |

### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

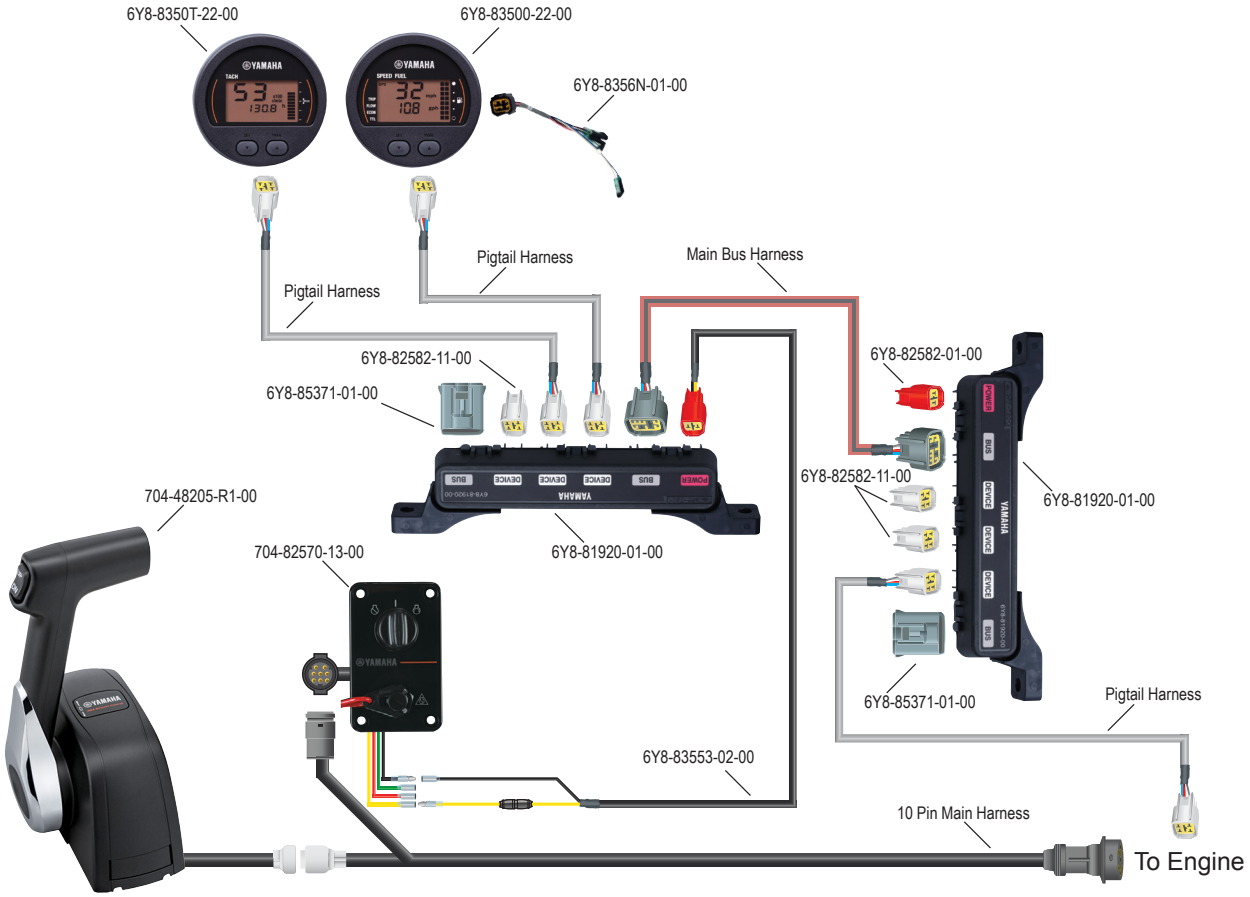
### [2] Main Bus Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

### [3] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## Single Engine with Binnacle Controls - Command Link®




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Premium 704 Single Engine Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | Command Link® Round Two Gauge Kit | 6Y8-0E83R-41-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Main Bus Harness, Rear Hub to Front Hub | See List[2] |
| 2 | Pigtail Harnesses, Front Hub to Gauges | See List[3] |

### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

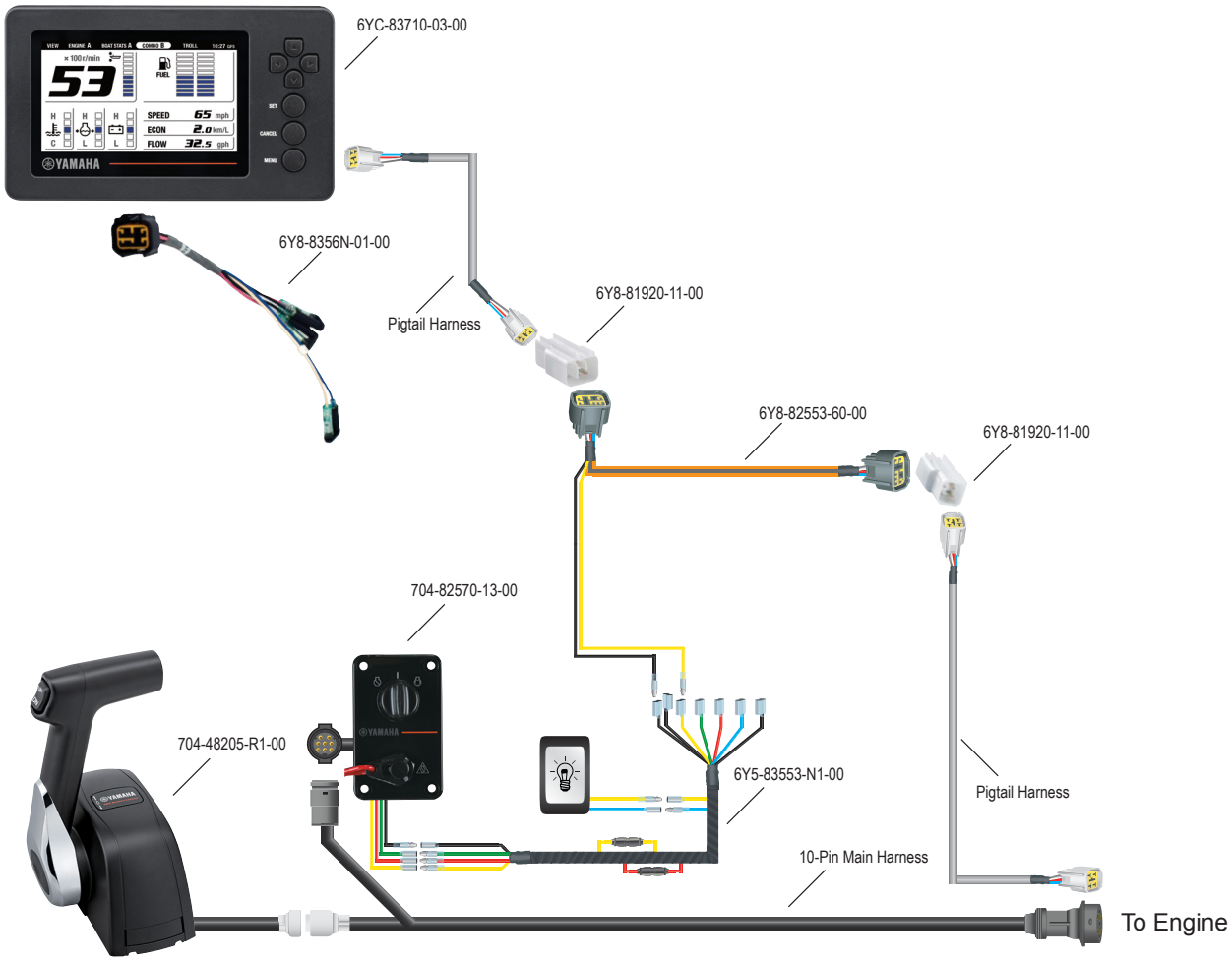
### [2] Main Bus Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

### [3] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

# Single Engine with Binnacle Controls - 6YC Display




## Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Premium 704 Single Engine Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | 6YC Display | 6YC-83710-03-00 |
| 1 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 1 | Orange Extension Harness (14 ft.) | 6Y8-82553-60-00 |
| 2 | Single Hubs | 6Y8-81920-11-00 |
| 1 | GPS / Fuel Harness | 6Y8-8356N-01-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Pig Tail Harness, Engine to Rear Hub | See List[2] |
| 1 | Pig Tail Harness, Front Hub to Display | See List[2] |

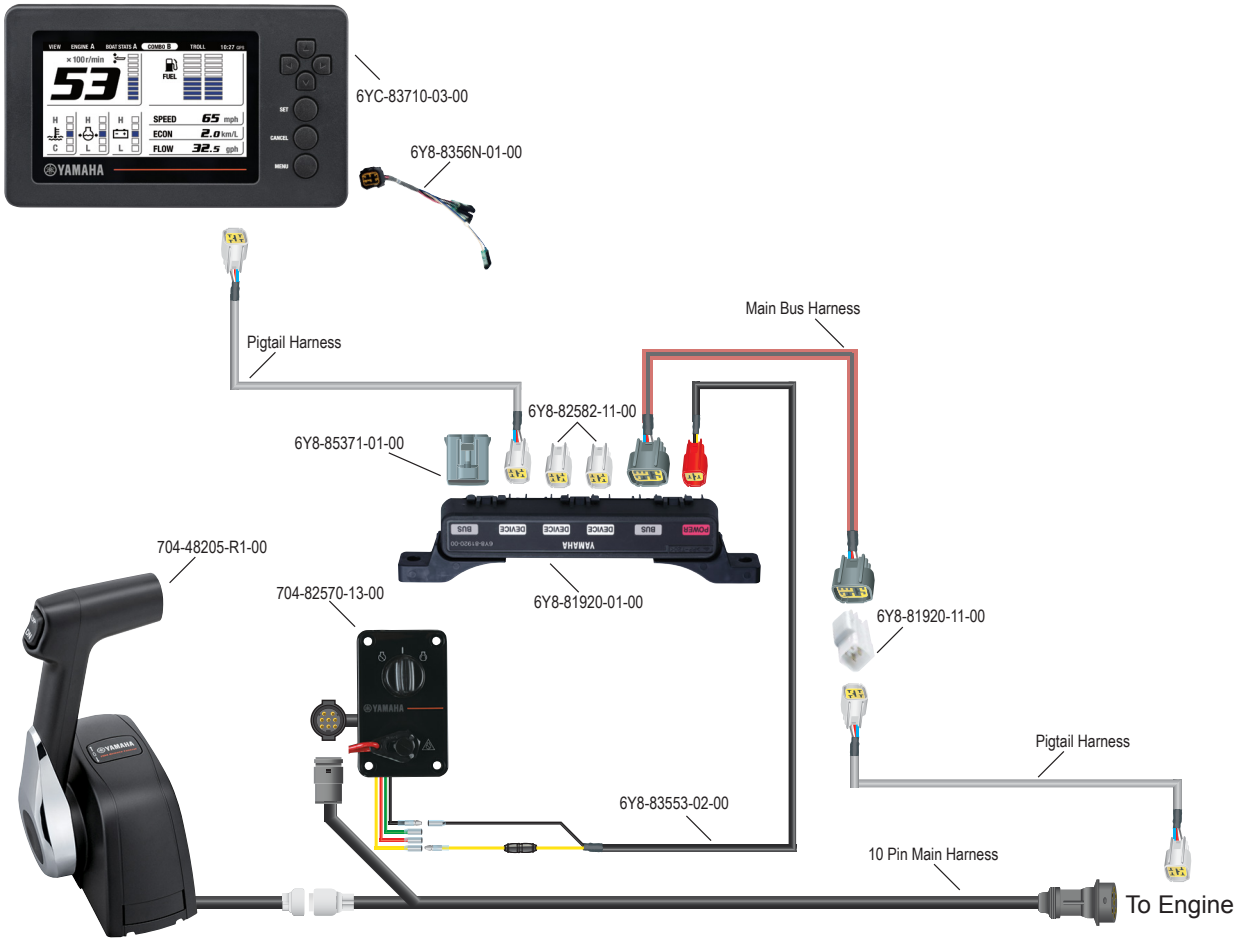
### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

### [2] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## Single Engine with Binnacle Controls - 6YC Display




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Premium 704 Single Engine Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Key Switch | 704-82570-13-00 |
| 1 | 6YC Display Kit | 6YC-0E83C-10-00 |
| 1 | 10-Pin Main Harness | See List[1] |
| 1 | Main Bus Harness, Rear Hub to Front Hub | See List[2] |
| 1 | Pigtail Harnesses, Front Hub to Gauges | See List[3] |

**[1] 10-Pin Harnesses**

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-000 |
| 31.2 ft. | 61B-8258A-02-00 |

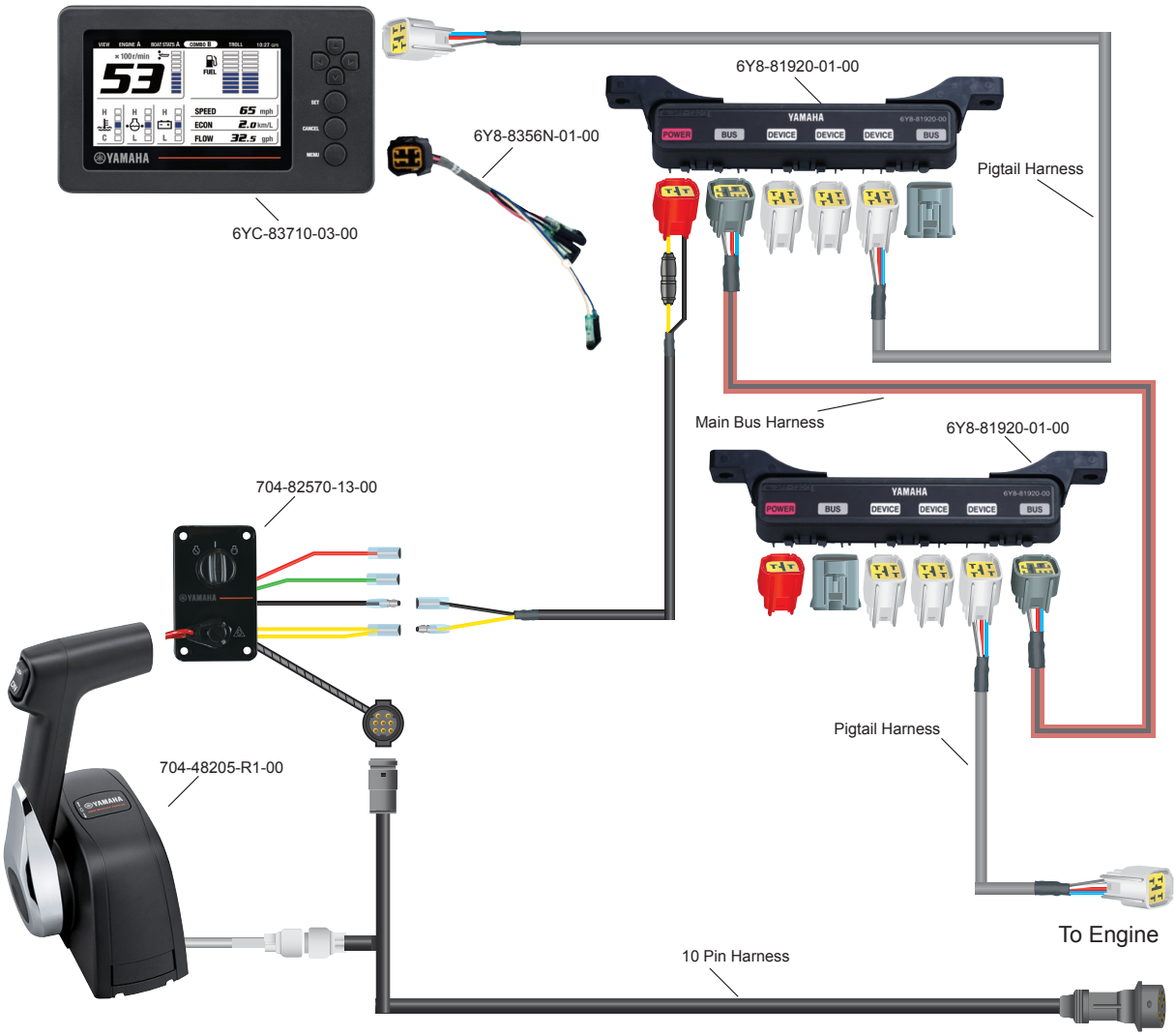
**[2] Main Bus Harnesses**

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

**[3] Pigtail Harnesses**

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## **Single Engine with Binnacle Controls** - 6YC Display




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 6YC Display Kit with 704 Remote Control | 6YC-0E83C-10-00 |
| 1 | Main Bus Harness, Rear Hub to Front Hub | See List[1] |
| 1 | Pigtail Harnesses, Front Hub to Display | See List[2] |

### [1] Main Bus Harnesses

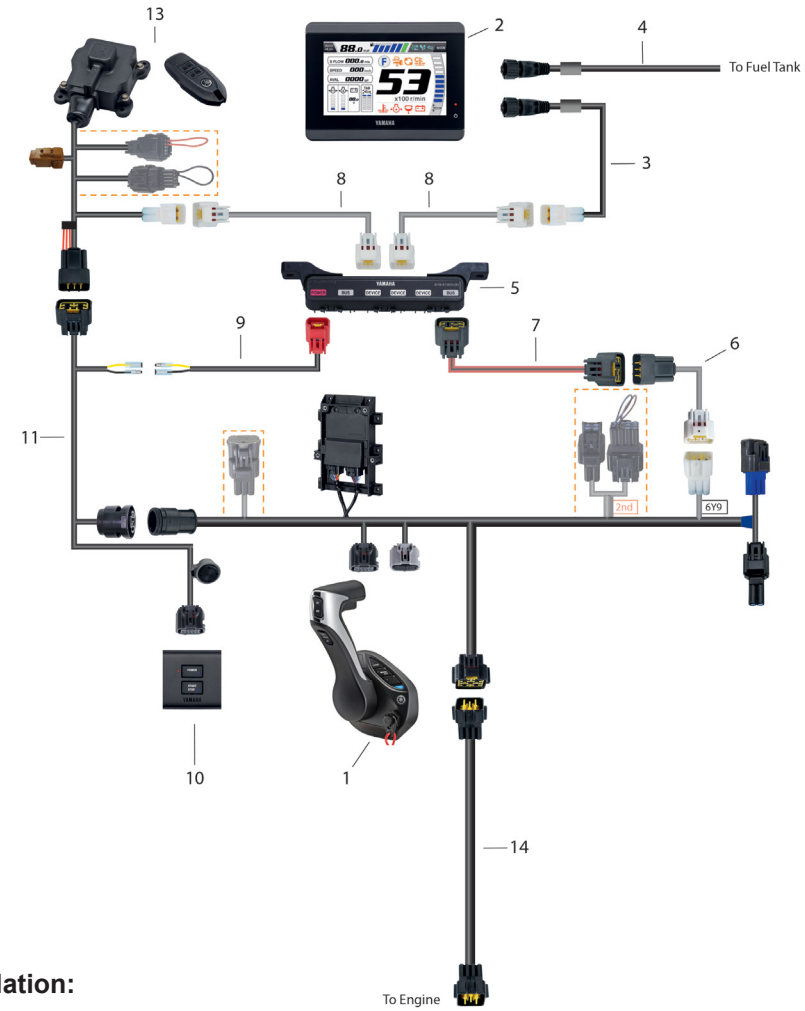
| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

### [2] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## Helm Master® EX

| SINGLE | 6X9 | CL5 | EKS | DES | SINGLE |
|---|---|---|---|---|---|
| ENGINE | DEC TM | DISPLAY | SWITCH | STEERING | STATION |




### Parts order list for basic installation:

| Ref# | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Single DEC (Flush) | 6X9-48206-20-00 |
| | | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 2 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | | EKS Kit | 6X9-762B0-47-00 |
| 10 | 1 | Power Switch Assy | 6X9-82570-01-00 |
| 11 | 1 | EKS Harness | 6X9-82716-21-00 |
| 12 | 1 | Emergency Stop Switch | 6X9-82570-70-00 |
| 13 | 1 | Key Fob and Receiver Assy | 6X9-762D0-14-00 |
| 14 | 1 | Main-Harness (16P) | See List[3] |

**[1] Main Bus Wire**

1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[2] Pigtail Bus Wire**

1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

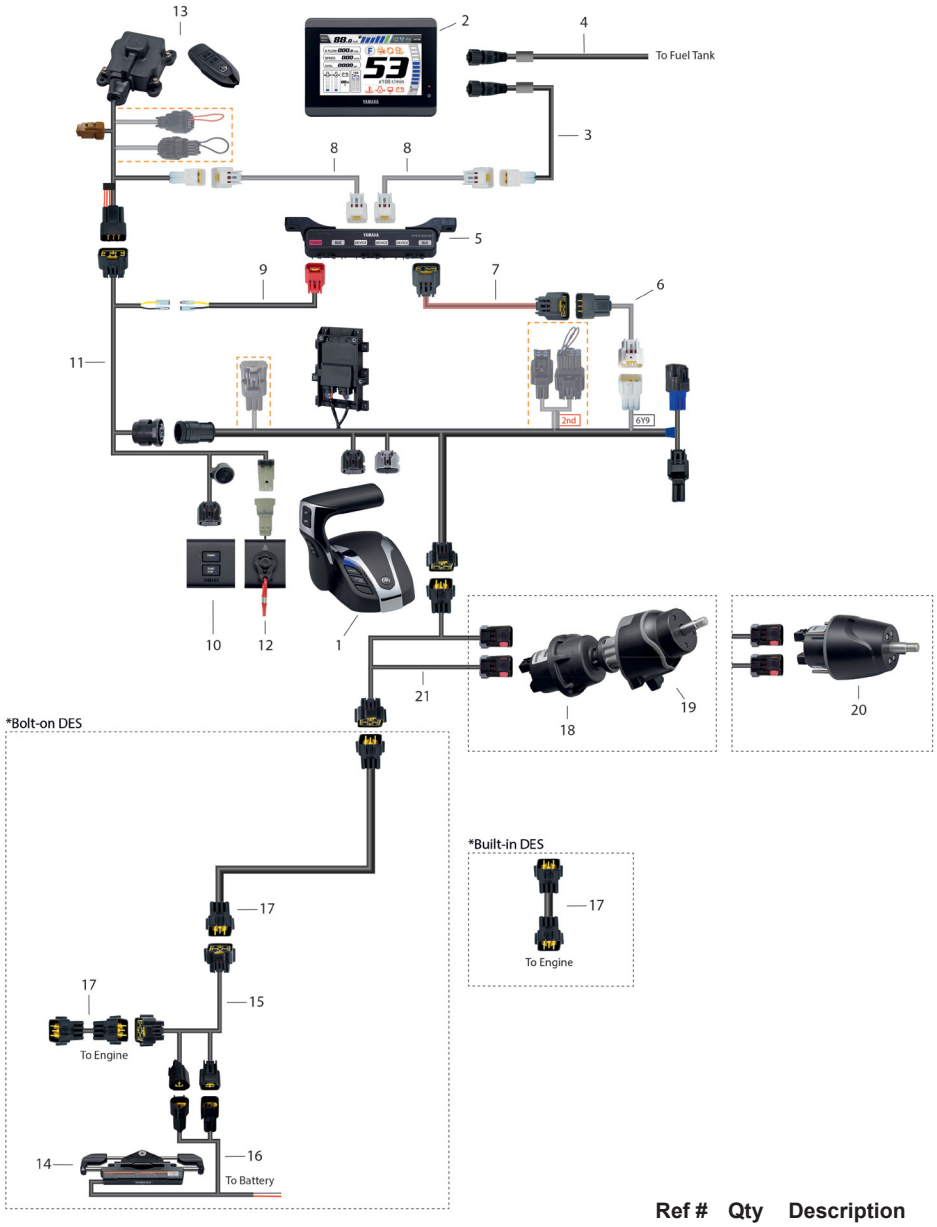
**[3] Main Harness (16P)**

5 ft. 6X6-8258A-91-00
12 ft. 6X6-8258A-51-00
17 ft. 6X6-8258A-61-00
19 ft. 6X6-8258A-01-00
23 ft. 6X6-8258A-11-00
26 ft. 6X6-8258A-21-00
32 ft. 6X6-8258A-31-00
39 ft. 6X6-8258A-41-00
49 ft. 6X6-8258A-71-00
79 ft. 6X6-8258A-81-00

## Single Engine Single Station Level 2 EKS

## Helm Master® EX

| SINGLE | 6X9 | CL5 | EKS | DES | SINGLE |
|---|---|---|---|---|---|
| ENGINE | DEC TM | DISPLAY | SWITCH | BOLT-ON | STATION |




**[1]Main Bus Wire**

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

**[2]Main-Harness (16P)**

| | |
|---|---|
| 5 ft. | 6X6-8258A-91-00 |
| 12 ft. | 6X6-8258A-51-00 |
| 17 ft. | 6X6-8258A-61-00 |
| 19 ft. | 6X6-8258A-01-00 |
| 23 ft. | 6X6-8258A-11-00 |
| 26 ft. | 6X6-8258A-21-00 |
| 32 ft. | 6X6-8258A-31-00 |
| 39 ft. | 6X6-8258A-41-00 |
| 49 ft. | 6X6-8258A-71-00 |
| 79 ft. | 6X6-8258A-81-00 |

**[3]Pigtail Bus Wire**

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

**[4]Helm Harness (Main/Single)**

| | |
|---|---|
| 3 ft. | 6GR-8258A-01-00 |
| 6 ft. | 6GR-8258A-41-00 |

**[5]Steering Actuator Harness**

| | |
|---|---|
| 8 ft. | 6X9-438A0-00-00 |
| 15 ft. | 6X9-438A0-10-00 |

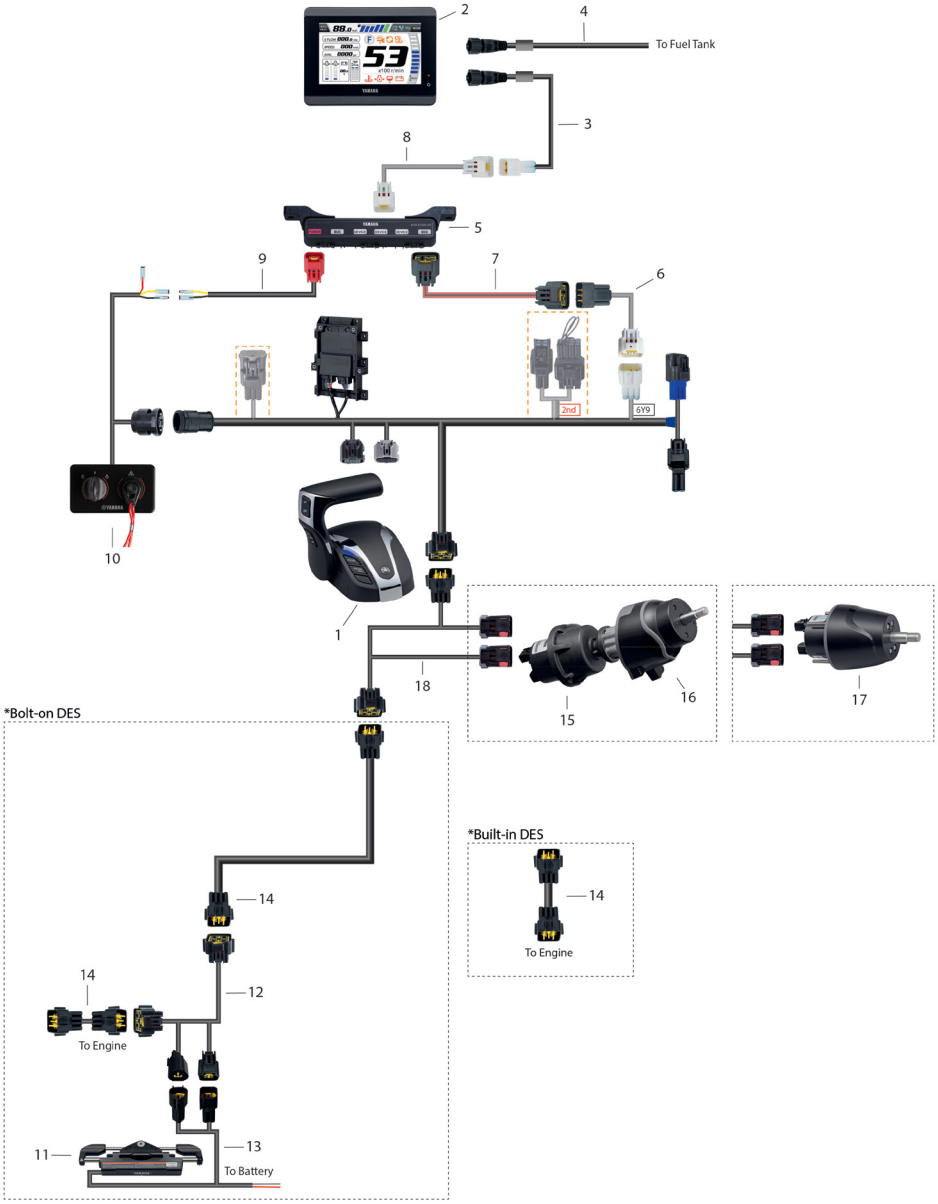
### Parts order list for basic installation:

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Single DEC | 6X9-48205-20-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| | 1 | Conversion Harness | 6YM-83553-00-00 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 1 | Pigtail Bus Wire | See List[3] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | 1 | EKS Kit | 6X9-762B0-47-00 |
| 10 | 1 | Power Switch Assy | 6X9-82570-01-00 |
| 11 | 1 | EKS Harness | 6X9-82716-21-00 |
| 12 | 1 | Emergency Stop Switch | 6X9-82570-70-00 |
| 13 | 1 | Key Fob and Receiver Assy | 6X9-762D0-14-00 |
| | | Steering Kit | 6X9-762S0-03-00 |
| 14 | 1 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 15 | 1 | Split Harness | 6X9-8258A-90-00 |
| 16 | 1 | Steering Actuator Harness | See List[5] |
| 17 | 1 | Main-Harness (16P) | See List[2] |
| | | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 18 | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 19 | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 20 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 21 | 1 | Helm Harness (Main/Single) | See List[4] |

## Single Engine Single Station Level 2 6X6

## Helm Master® EX

| SINGLE | 6X9 | CL5 | 6X6 | DES | SINGLE |
|---|---|---|---|---|---|
| ENGINE | DEC TM | DISPLAY | SWITCH | BOLT-ON | STATION |




**[1]Main Bus Wire**

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

**[2]Pigtail Bus Wire**

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

**[3]Steering Actuator Harness**

| | |
|---|---|
| 8 ft. | 6X9-438A0-00-00 |
| 15 ft. | 6X9-438A0-10-00 |

**[4]Main-Harness (16P)**

| | |
|---|---|
| 5 ft. | 6X6-8258A-91-00 |
| 12 ft. | 6X6-8258A-51-00 |
| 17 ft. | 6X6-8258A-61-00 |
| 19 ft. | 6X6-8258A-01-00 |
| 23 ft. | 6X6-8258A-11-00 |
| 26 ft. | 6X6-8258A-21-00 |
| 32 ft. | 6X6-8258A-31-00 |
| 39 ft. | 6X6-8258A-41-00 |
| 49 ft. | 6X6-8258A-71-00 |
| 79 ft. | 6X6-8258A-81-00 |

**[5]Helm Harness (Main/Single)**

| | |
|---|---|
| 3 ft. | 6GR-8258A-01-00 |
| 6 ft. | 6GR-8258A-41-00 |

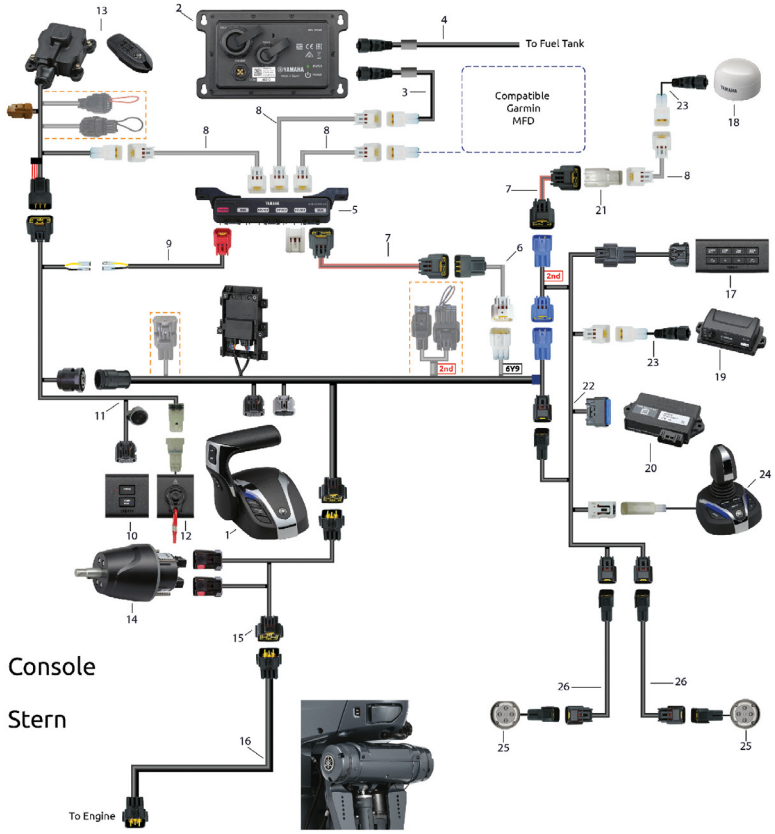
### Parts order list for basic installation:

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Single DEC | 6X9-48205-20-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | CL7/CL5 Install Kit DEC | MAR-CL7D1-KT-30 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 1 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 10 | 1 | Main Switch | 6X6-82570-34-00 |
| | 1 | Steering Kit | 6X9-762S0-03-00 |
| 11 | 1 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 12 | 1 | Split Harness | 6X9-8258A-90-00 |
| 13 | 1 | Steering Actuator Harness | See List[3] |
| 14 | 1 | Main-Harness (16P) | See List[4] |
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 15 | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 16 | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 17 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 18 | 1 | Helm Harness (Main/Single) | See List[5] |

# Single Engine Single Station Full Maneuverability — Helm Master® EX

| SINGLE | 6X9 | MFDI-1 | EKS | DES | SINGLE | HM-EX |
|---|---|---|---|---|---|---|
| ENGINE | TOP MOUNT | Garmin Display | SWITCH | INTEGRATED | STATION | FULL MANEUVER |




**[1]Main Bus Wire**
- 1 ft. 6Y8-82553-01-00
- 10 ft. 6Y8-82553-50-00
- 15 ft. 6Y8-82553-11-00
- 20 ft. 6Y8-82553-21-00
- 25 ft. 6Y8-82553-31-00
- 30 ft. 6Y8-82553-41-00

**[2]Main-Harness (16P)**
- 5 ft. 6X6-8258A-91-00
- 12 ft. 6X6-8258A-51-00
- 17 ft. 6X6-8258A-61-00
- 19 ft. 6X6-8258A-01-00
- 23 ft. 6X6-8258A-11-00
- 26 ft. 6X6-8258A-21-00
- 32 ft. 6X6-8258A-31-00
- 39 ft. 6X6-8258A-41-00
- 49 ft. 6X6-8258A-71-00
- 79 ft. 6X6-8258A-81-00

**[3]Pigtail Bus Wire**
- 1 ft. 6Y8-82521-01-00
- 2 ft. 6Y8-82521-11-00
- 3 ft. 6Y8-82521-21-00
- 6 ft. 6Y8-82521-31-00
- 9 ft. 6Y8-82521-41-00
- 12 ft. 6Y8-82521-51-00

**[4]Helm Harness (Main/Single)**
- 3 ft. 6GR-8258A-01-00
- 6 ft. 6GR-8258A-41-00

**[5]BCU Extension Harness**
- 15 ft. 6X9-82521-00-00
- 30 ft 6X9-82521-10-00

**[6]HCU Prop Light Ext Harness**
- 20 ft. 6X9-82586-20-00
- 30 ft. 6X9-82586-30-00
- 40 ft. 6X9-82586-40-00

## Parts order list for basic installation:

### Level 1

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Single Binnacle | 6X9-48205-20-00 |
| | 1 | Gauge Kit | |
| 2 | 1 | MFD Interface Type 1 | 6YM-8A2D0-11-00 |
| | 1 | MFD Interface Install Kit | MAR-CL0D1-KT-00 |
| 3 | 1 | CL0 Conversion Harness | 6YM-83553-10-00 |
| 4 | 1 | Fuel Tank Wire | 6YM-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 2 | Pigtail Bus Wire | See List[3] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 1 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | | EKS Kit | 6X9-762B0-47-00 |
| 10 | 1 | Power Switch Assy | 6X9-82570-01-00 |
| 11 | 1 | EKS Harness | 6X9-82716-21-00 |
| 12 | 1 | Emergency Stop Switch | 6X9-82570-70-00 |
| 13 | 1 | Key Fob and Receiver Assy | 6X9-762D0-14-00 |
| | 1 | Main-Harness (16P) | See List[2] |

### Level 2

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Helm and Tilt kit | 6GR-762H0-10-00 |
| | 1 | Helm Unit Assy | 6GR-615A0-10-00 |
| | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 14 | 1 | Helm Unit Assy | 6X9-762H0-10-00 |
| 15 | 1 | Helm Harness (Main/Single) | See List[4] |
| 16 | 1 | Main-Harness (16P) | See List[2] |

### Level 3

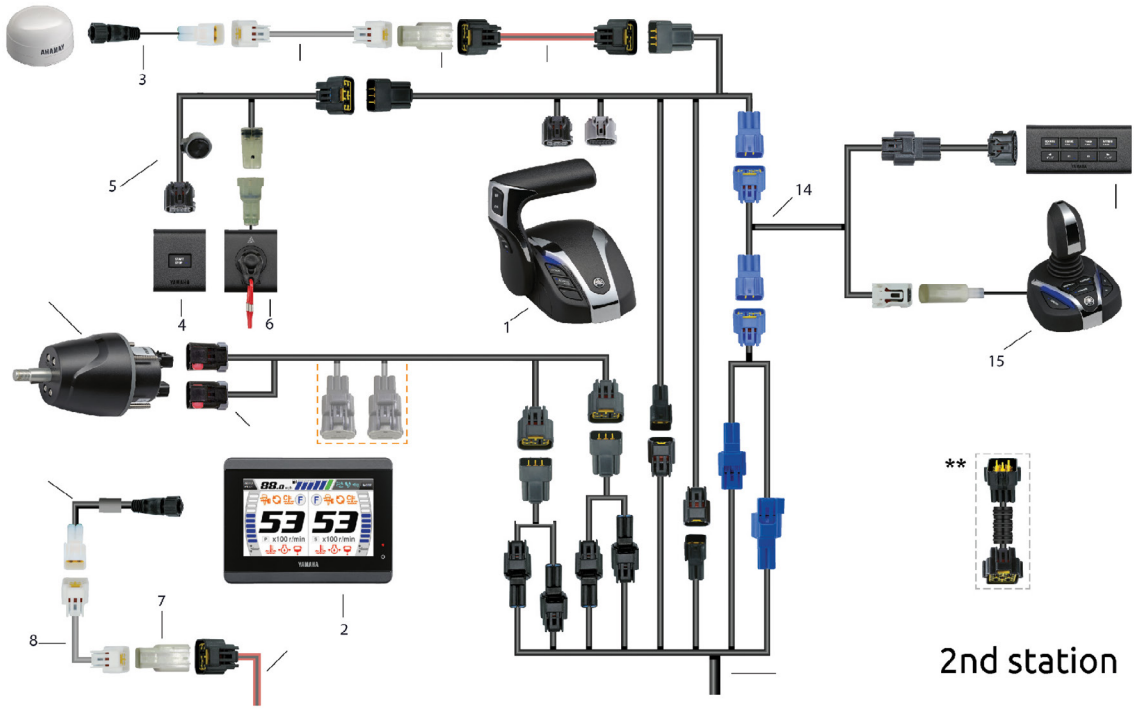
| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Autopilot Kit | 6X9-762P0-07-00 |
| 17 | 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 18 | 1 | GPS Unit | 6X9-88107-02-00 |
| 19 | 1 | Heading Sensor | 6X9-8A410-01-00 |
| 20 | 1 | BCU | 6X9-8591T-13-00 |
| 21 | 1 | Single Hub | 6Y8-81920-11-00 |
| 22 | 1 | BCU Harness | 6X9-82386-01-00 |
| 23 | 2 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | Main Bus Wire | See List[1] |
| | 1 | Pigtail Bus Wire | See List[3] |
| | 1 | BCU Harness Extension | See List[5] |

### Level 4

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Joystick Kit | MAR-762J0-40-00 |
| 24 | 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |
| 25 | 2 | LED Assy (prop lights) | 6ES-83720-02-00 |
| 26 | 1 | Extension Harness | See List[6] |

## Single Engine Second Station Full Maneuverability  Helm Master® EX

**SINGLE** ENGINE | **6X9** TOP MOUNT | **CL5** DISPLAY | **EKS** SWITCH | **HM-EX** FULL MANEUVER | **SECOND** STATION




### Parts order list for basic installation:

#### Level 1

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Single Binnacle | 6X9-48205-30-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | EKS Kit | 6X9-762B0-80-00 |
| 4 | 1 | Start/Stop SW | 6X9-82570-B1-00 |
| 5 | 1 | EKS Harness | 6X9-82716-60-00 |
| 6 | 1 | Emergency stop SW | 6X9-82570-70-00 |
| | 1 | Rigging Components Needed | |
| 7 | 1 | Single-hub | 6Y8-81920-11-00 |
| 8 | 1 | Pigtail Bus Wire | See List[1] |
| 9 | 1 | Main Bus Wire | See List[2] |
| 10 | 1 | 2nd Helm Harness | See List[3] |

#### Level 2

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | | Helm and Tilt Kit | 6GR-762H0-10-00 |
| | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 11 | 1 | Helm Unit Assembly | 6X9-762H0-10-00* |
| 12 | 1 | Helm Harness (2nd station) | 6X9-8258A-B1-00* |

**Additional for 2nd Station XTO Only
6GR-8258A-V0-00

#### Level 3

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Autopilot Kit | 6X9-762P0-11-00 |
| 13 | 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 14 | 1 | BCU Harness | 6X9-82386-10-00 |
| | 1 | BCU Harness Extension | See List[4] |

#### Level 4

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 15 | 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |

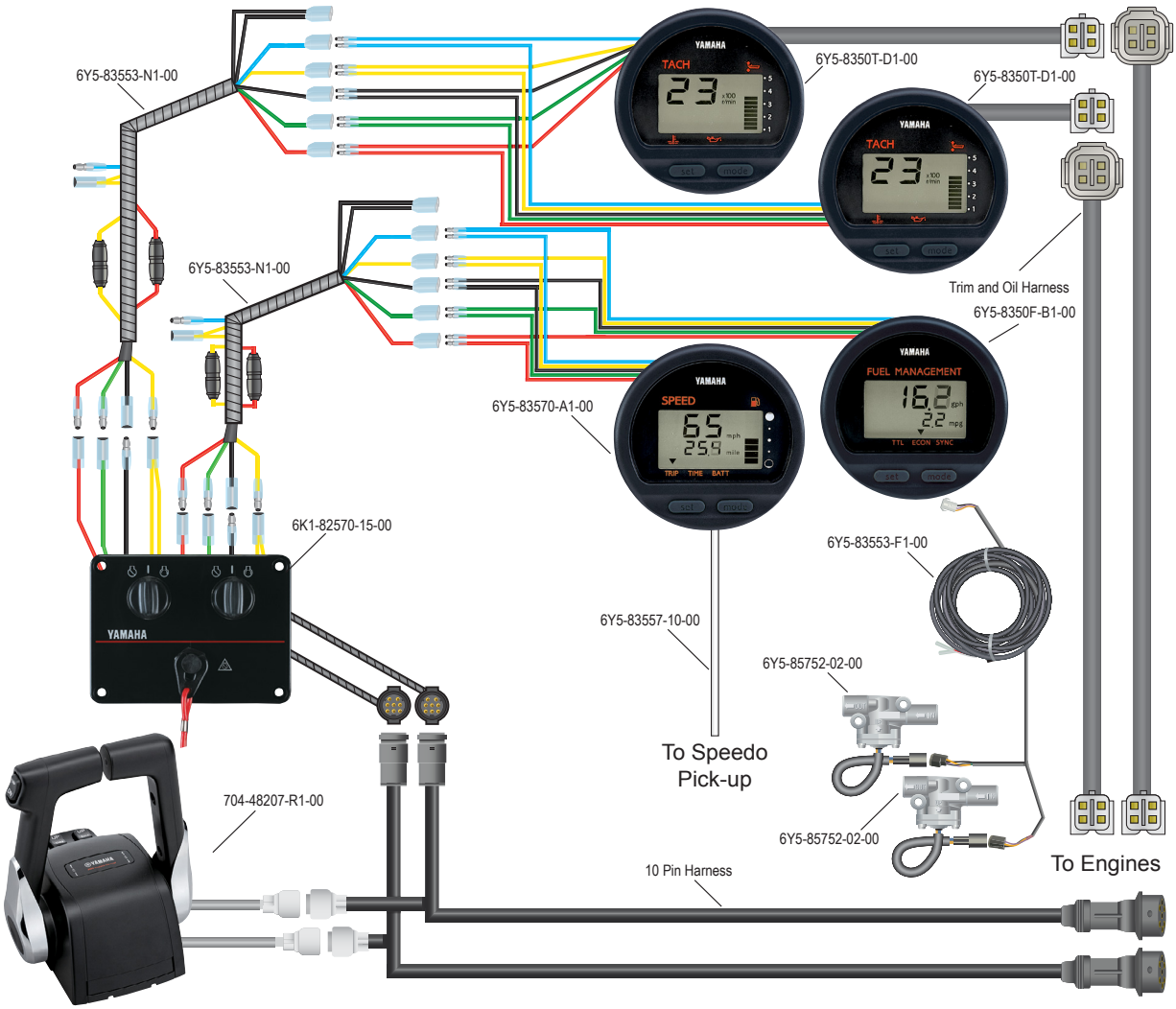
**[1]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[2]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[3]2nd Helm Harness**
16 ft. 6X9-8258A-00-00
26 ft. 6X9-8258A-10-00
38 ft. 6X9-8258A-20-00

**[4]BCU Extension Harness**
15 ft. 6X9-82521-00-00
30 ft 6X9-82521-10-00

# **Twin Engines with Mechanical Binnacle Controls** - Multifunction Gauges




## Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Twin Engine 704 Control Box | 704-48207-R1-00 |
| 1 | Twin Engine Key Switch Panel | 6K1-82570-15-00 |
| 2 | Multifunction Tachometer | 6Y5-8350T-D1-00 |
| 1 | Multifunction Speedometer | 6Y5-83570-A1-00 |
| 1 | Multifunction Fuel Meter Kit | 6Y5-W0088-56-00 |
| 2 | Fuel Flow Sensor (extra for twins) | 6Y5-85752-02-00 |
| 1 | Speedometer Tube, 8.0 m | 6Y5-83557-10-00 |
| 2 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 2 | Clamp | 90465-10098-00 |
| 10 | Clamp | 90465-13M39-00 |
| 2 | 10 Pin Main Harness | See List[1] |
| 2 | Trim and Oil Harness (2005~) | See List[2] |

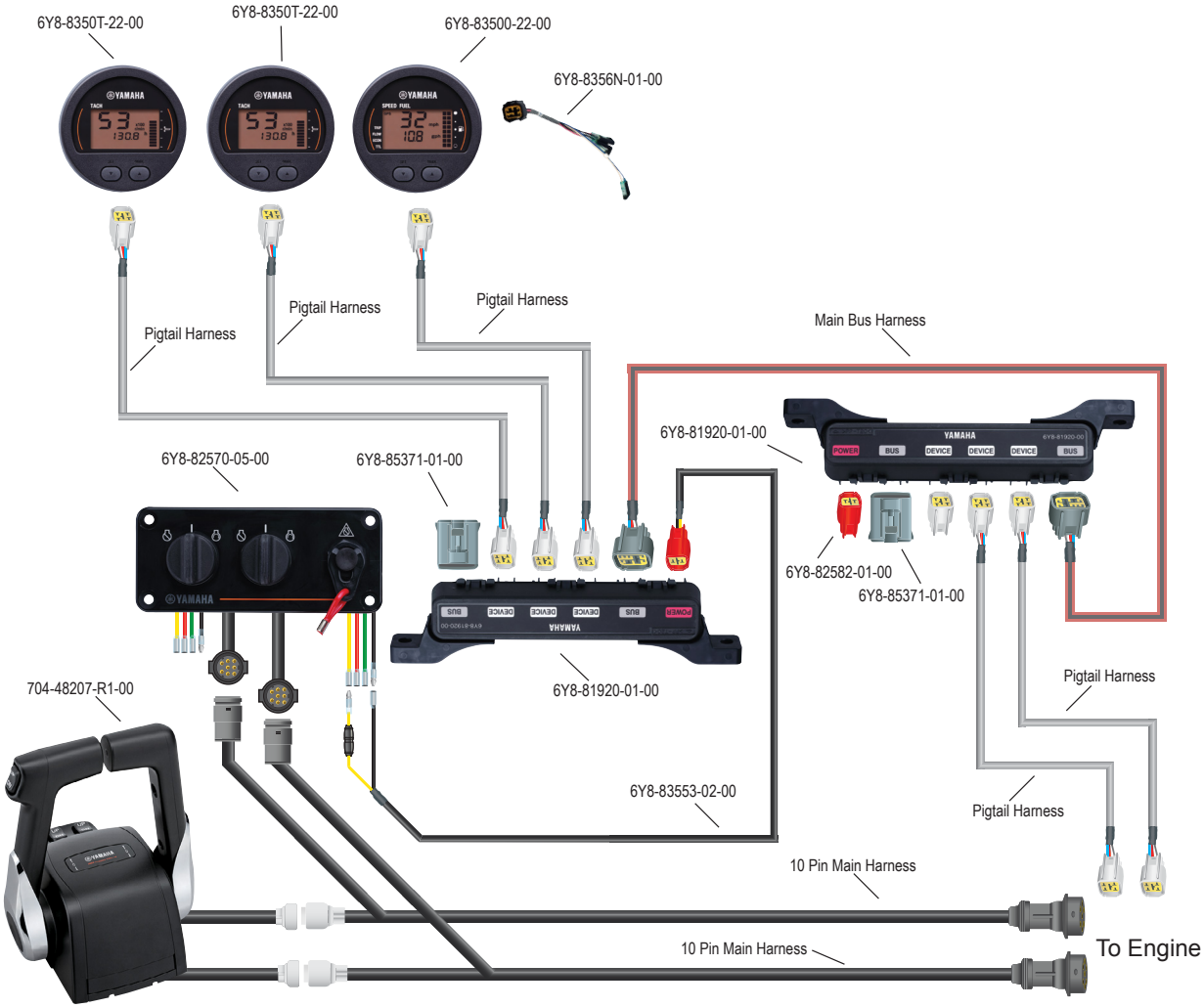
### [1] 10-Pin Harnesses

| | |
|---|---|
| 16 ft. | 688-8258A-50-00 |
| 20 ft. | 688-8258A-60-00 |
| 23 ft. | 688-8258A-70-00 |
| 26 ft. | 6K1-8258A-41-00 |
| 31.2 ft. | 61B-8258A-02-00 |

### [2] 2005~ Trim and Oil Harness

| | |
|---|---|
| 16.4 ft. | 6Y5-83653-00-00 |
| 19.7 ft. | 6Y5-83653-10-00 |
| 23 ft. | 6Y5-83653-20-00 |
| 26.3 ft. | 6Y5-83653-30-00 |
| 30 ft. | 6Y5-83653-40-00 |
| 35 ft. | 6Y5-83653-50-00 |

## Twin Engines with Mechanical Binnacle Controls - Command Link®




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Command Link® Twin Engine Three Gauge Kit w/ 704 Control | 6Y8-0E83R-51-00 |
| 1 | Main Bus Harness, Rear Hub to Front Hub | See List[1] |
| 3 | Pigtail Harness, Front Hub to Gauges | See List[2] |

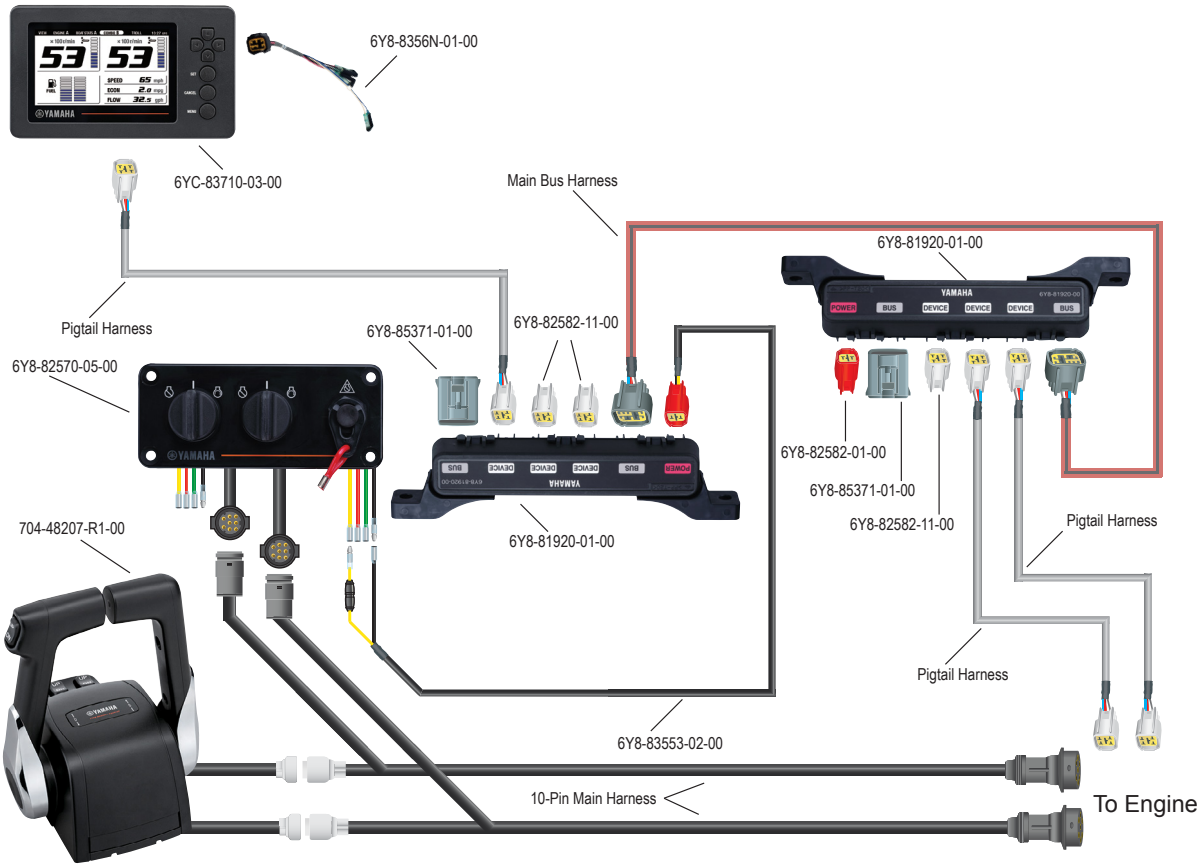
**[1] Main Bus Harnesses**

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

**[2] Pigtail Harnesses**

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

# **Twin Engines Mechanical Binnacle Control** - Command Link Plus®




## Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | 6YC Display Kit with 704 Remote Control | 6YC-0E83C-20-00 |
| 1 | Main Bus Harness, Rear Hub to Front Hub | See List[1] |
| 1 | Pigtail Harnesses, Front Hub to Gauges | See List[2] |

### [1] Main Bus Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

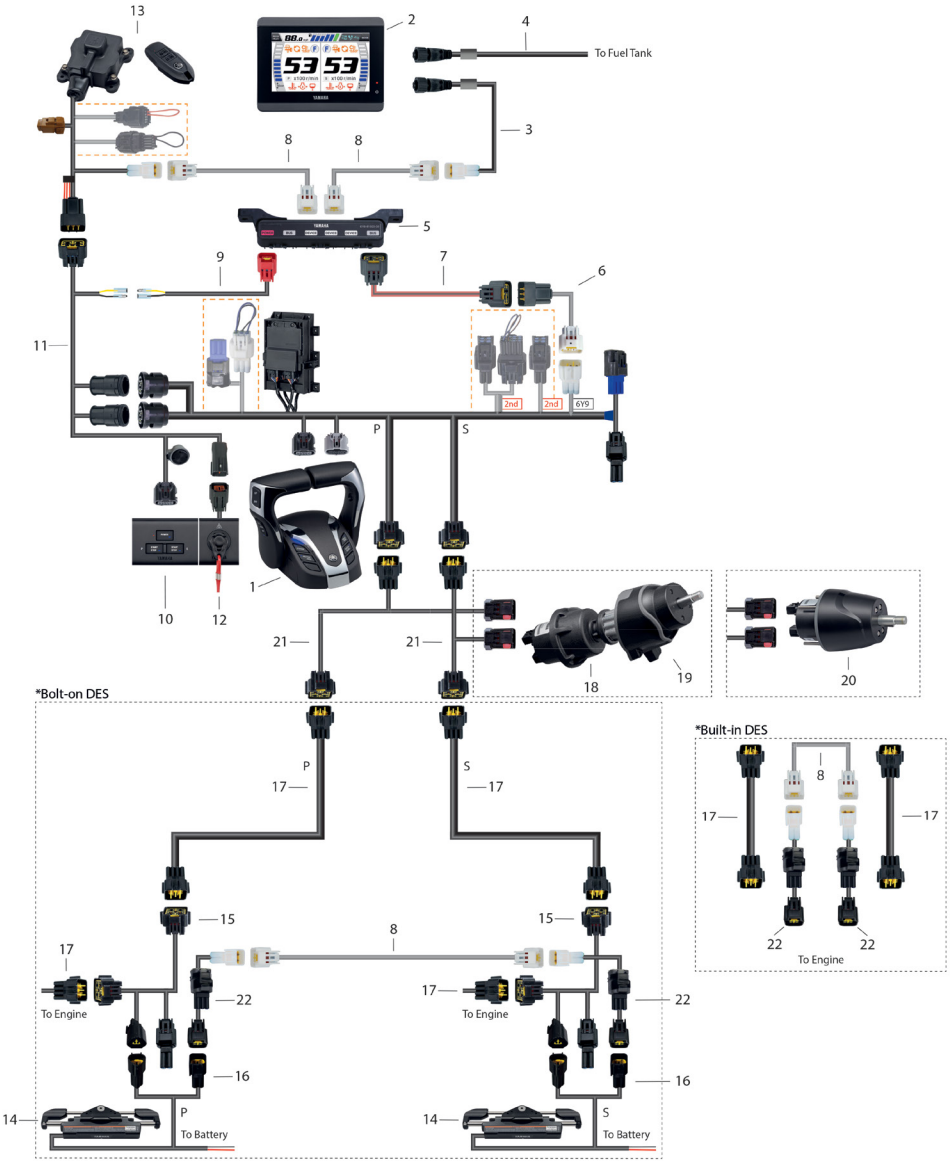
### [2] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## Twin Engine Single Station Level 2 EKS

## Helm Master® EX

| TWIN | 6X9 | CL5 | EKS | DES | SINGLE |
|---|---|---|---|---|---|
| ENGINE | DEC TM | DISPLAY | SWITCH | BOLT-ON | STATION |




**[1]Main Bus Wire**
- 1 ft. 6Y8-82553-01-00
- 10 ft. 6Y8-82553-50-00
- 15 ft. 6Y8-82553-11-00
- 20 ft. 6Y8-82553-21-00
- 25 ft. 6Y8-82553-31-00
- 30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**
- 1 ft. 6Y8-82521-01-00
- 2 ft. 6Y8-82521-11-00
- 3 ft. 6Y8-82521-21-00
- 6 ft. 6Y8-82521-31-00
- 9 ft. 6Y8-82521-41-00
- 12 ft. 6Y8-82521-51-00

**[3]Steering Actuator Harness**
- 8 ft. 6X9-438A0-00-00
- 15 ft. 6X9-438A0-10-00

**[4]Main-Harness (16P)**
- 5 ft. 6X6-8258A-91-00
- 12 ft. 6X6-8258A-51-00
- 17 ft. 6X6-8258A-61-00
- 19 ft. 6X6-8258A-01-00
- 23 ft. 6X6-8258A-11-00
- 26 ft. 6X6-8258A-21-00
- 32 ft. 6X6-8258A-31-00
- 39 ft. 6X6-8258A-41-00
- 49 ft. 6X6-8258A-71-00
- 79 ft. 6X6-8258A-81-00

**[5]Helm Harness (Main/Single)**
- 3 ft. 6GR-8258A-11-00
- 6 ft. 6GR-8258A-51-00
- 9 ft. 6GR-8258A-61-00

**[6]SCU Link Harness (Port/Stbd)**
- 1 ft. 6X9-81115-00-00
- 5 ft. 6GR-81115-00-00
- 10 ft. 6GR-81115-10-00

### Parts order list for basic installation:

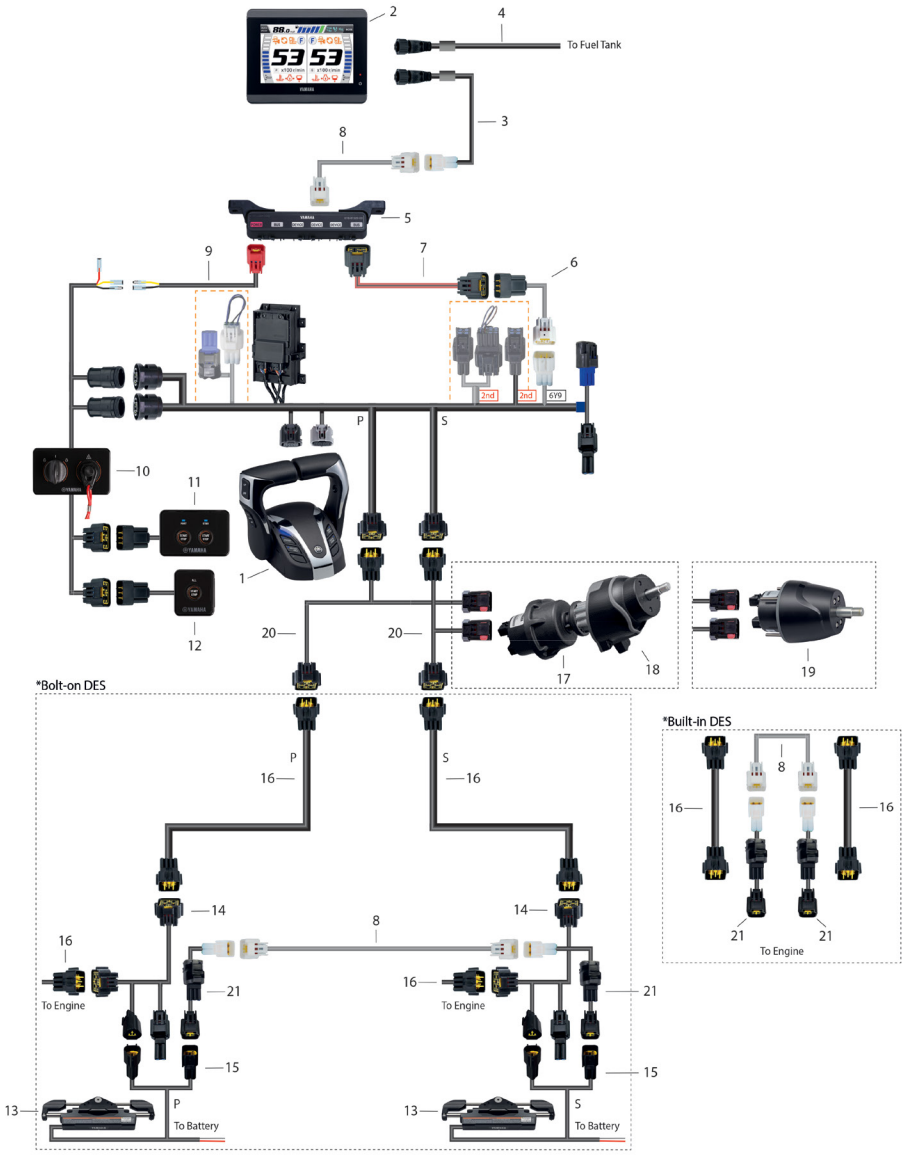
| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Twin DEC | 6X9-48207-20-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 2 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | 1 | EKS Kit | 6X9-762B0-52-00 |
| 10 | 1 | Power Switch | 6X9-82570-10-00 |
| 11 | 1 | EKS Harness | 6X9-82716-32-00 |

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 12 | 1 | Emergency Stop Switch | 6X9-82570-80-00 |
| 13 | 1 | Key Fob and Receiver Assembly | 6X9-762D0-14-00 |
| | 2 | Steering Kit | 6X9-762S0-03-00 |
| 14 | 1 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 15 | 1 | Split Harness | 6X9-8258A-90-00 |
| 16 | 2 | Steering Actuator Harness | See List[3] |
| 17 | 2 | Main-Harness (16P) | See List[4] |
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 18 | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 19 | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 20 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 21 | 2 | Helm Harness (Main/Multi) | See List[5] |
| 22 | 2 | SCU Link Harness (Port/Stbd) | See List[6] |

# Twin Engine Single Station Level 2 6X6

## Helm Master® EX

TWIN ENGINE | 6X9 DEC TM | CL5 DISPLAY | 6X6 SWITCH | DES BOLT-ON | SINGLE STATION




**[1]Main Bus Wire**
- 1 ft. 6Y8-82553-01-00
- 10 ft. 6Y8-82553-50-00
- 15 ft. 6Y8-82553-11-00
- 20 ft. 6Y8-82553-21-00
- 25 ft. 6Y8-82553-31-00
- 30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**
- 1 ft. 6Y8-82521-01-00
- 2 ft. 6Y8-82521-11-00
- 3 ft. 6Y8-82521-21-00
- 6 ft. 6Y8-82521-31-00
- 9 ft. 6Y8-82521-41-00
- 12 ft. 6Y8-82521-51-00

**[3]Steering Actuator Harness**
- 8 ft. 6X9-438A0-00-00
- 15 ft. 6X9-438A0-10-00

**[4]Main-Harness (16P)**
- 5 ft. 6X6-8258A-91-00
- 12 ft. 6X6-8258A-51-00
- 17 ft. 6X6-8258A-61-00
- 19 ft. 6X6-8258A-01-00
- 23 ft. 6X6-8258A-11-00
- 26 ft. 6X6-8258A-21-00
- 32 ft. 6X6-8258A-31-00
- 39 ft. 6X6-8258A-41-00
- 49 ft. 6X6-8258A-71-00
- 79 ft. 6X6-8258A-81-00

**[5]Helm Harness (Main/Single)**
- 3 ft. 6GR-8258A-11-00
- 6 ft. 6GR-8258A-51-00
- 9 ft. 6GR-8258A-61-00

**[6]SCU Link Harness (Port/Stbd)**
- 1 ft. 6X9-81115-00-00
- 5 ft. 6GR-81115-00-00
- 10 ft. 6GR-81115-10-00

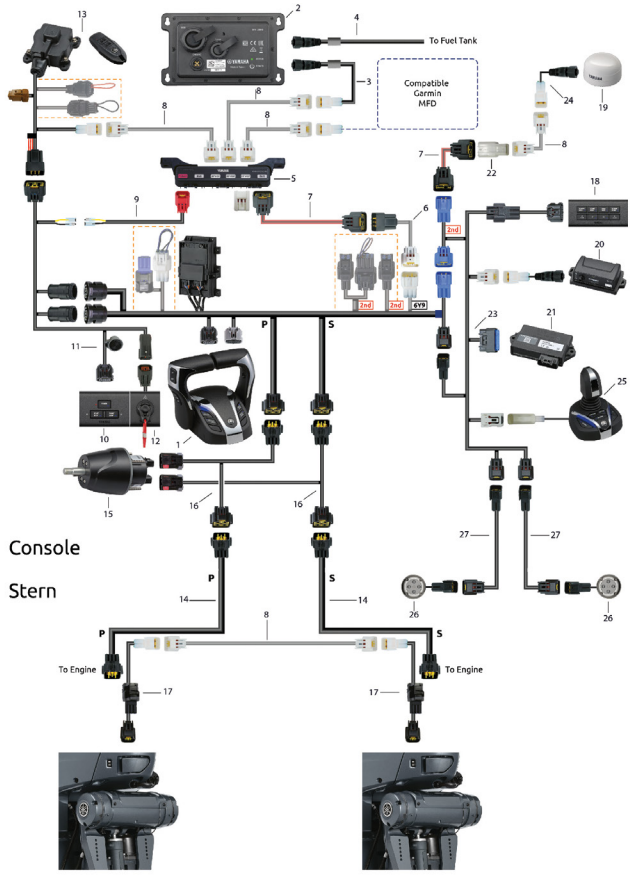
## Parts order list for basic installation:

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Twin DEC | 6X9-48207-20-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 1 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | 1 | Switch Kit | 6X6-762B0-01-00 |
| 10 | 1 | Main Switch | 6X6-82570-41-00 |

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 11 | 1 | Twin Start/Stop Switch | 6X6-82570-60-00 |
| 12 | 1 | All Start/Stop Switch | 6X6-82570-D0-00 |
| | 2 | Steering Kit | 6X9-762S0-03-00 |
| 13 | 2 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 14 | 2 | Split Harness | 6X9-8258A-90-00 |
| 15 | 2 | Steering Actuator Harness | See List[3] |
| 16 | 2 | Main-Harness (16P) | See List[4] |
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 17 | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 18 | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 19 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 20 | 2 | Helm Harness (Main/Multi) | See List[5] |
| 21 | 2 | SCU Link Harness (Port/Stbd) | See List[6] |

## Twin Engine Single Station Full Maneuverability

TWIN ENGINE | 6X9 TOP MOUNT | MFDI-1 Garmin Display | EKS SWITCH | DES INTEGRATED | SINGLE STATION | HM-EX FULL MANEUVER




## Helm Master® EX

**[1]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00

**[3]Main-Harness (16P)**
5 ft. 6X6-8258A-91-00
12 ft. 6X6-8258A-51-00
17 ft. 6X6-8258A-61-00
19 ft. 6X6-8258A-01-00
23 ft. 6X6-8258A-11-00
26 ft. 6X6-8258A-21-00
32 ft. 6X6-8258A-31-00
39 ft. 6X6-8258A-41-00
49 ft. 6X6-8258A-71-00
79 ft. 6X6-8258A-81-00

**[4]Helm Harness (Main/Multi)**
3 ft. 6GR-8258A-11-00
6 ft. 6GR-8258A-51-00
9 ft. 6GR-8258A-61-00

**[5]SCU Link Harness (Port/Stbd)**
1 ft. 6X9-81115-00-00
5 ft. 6GR-81115-00-00
10 ft. 6GR-81115-10-00

**[6]BCU Extension Harness**
15 ft. 6X9-82521-00-00
30 ft 6X9-82521-10-00

**[7]Prop Light Extension Harness**
20 ft. 6X9-82586-20-00
30 ft. 6X9-82586-30-00
40 ft. 6X9-82586-40-00

### Parts order list for basic installation:

#### Level 1

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Twin DEC | 6X9-48207-20-00 |
| | 1 | Gauge Kit | |
| 2 | 1 | MFD Interface Type 1 | 6YM-8A2D0-11-00 |
| | 1 | MFD Interface Install Kit | MAR-CL0D1-KT-00 |
| 3 | 1 | CL0 Conversion Harness | 6YM-83553-10-00 |
| 4 | 1 | Fuel Tank Wire | 6YM-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 2 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | 1 | EKS Kit | 6X9-762B0-57-00 |
| 10 | 1 | Power Switch | 6X9-82570-11-00 |
| 11 | 1 | EKS Harness | 6X9-82716-32-00 |
| 12 | 1 | Emergency Stop SW | 6X9-82570-80-00 |
| 13 | 1 | Key Fob and Receiver Assembly | 6X9-762D0-14-00 |
| 14 | 1 | Main-Harness (16P) | See List[3] |

#### Level 2

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Helm and Tilt kit | 6GR-762H0-10-00 |
| | 1 | Helm Unit Assy | 6GR-615A0-10-00 |
| | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 15 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 16 | 2 | Helm Harness (Main/Multi) | See List[4] |
| 17 | 2 | SCU Link Harness (Port/Stbd) | See List[5] |

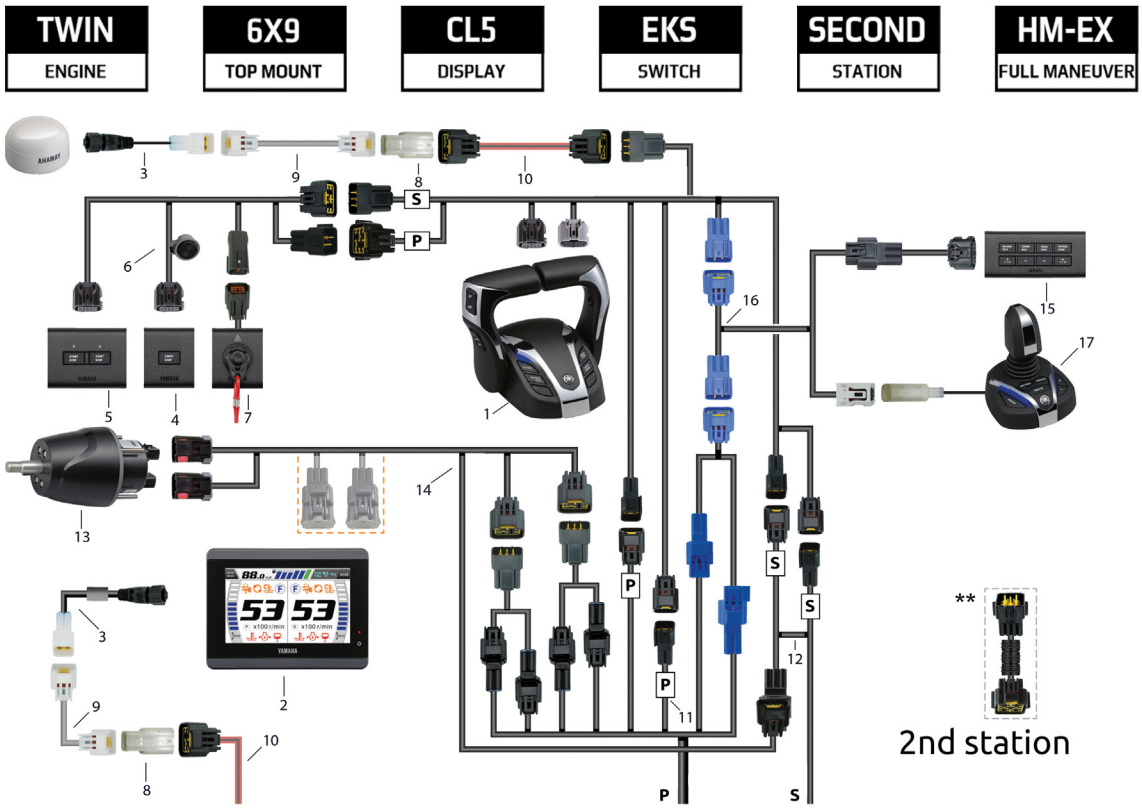
#### Level 3

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Autopilot Kit | 6X9-762P0-07-00 |
| 18 | 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 19 | 1 | GPS Unit | 6X9-88107-02-00 |
| 20 | 1 | Heading Sensor | 6X9-8A410-01-00 |
| 21 | 1 | BCU | 6X9-8591T-13-00 |
| 22 | 1 | Single Hub | 6Y8-81920-11-00 |
| 23 | 1 | BCU Harness | 6X9-82386-01-00 |
| 24 | 2 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | Main Bus Wire | See List[1] |
| | 1 | Pigtail Bus Wire | See List[2] |
| | 1 | BCU Harness Extension | See List[6] |

#### Level 4

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Joystick Kit | MAR-762J0-50-00 |
| 25 | 1 | *Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |
| 26 | 2 | LED assy (prop Lights) | 6ES-83720-02-00 |
| | 1 | BCU | 6X9-8591T-24-00 |
| 27 | 2 | Extension Harness | See List[7] |

## Twin Engine Second Station Full Maneuverability — Helm Master® EX




### Parts order list for basic installation:

#### Level 1

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Twin DEC | 6X9-48207-30-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | EKS Kit | 6X9-762B0-92-00 |
| 4 | 1 | All Start/Stop SW | 6X9-82570-B1-00 |
| 5 | 1 | Individual Start/Stop SW | 6X9-82570-31-00 |
| 6 | 1 | EKS Harness | 6X9-82716-71-00 |
| 7 | 1 | Emergency Stop SW | 6X9-82570-80-00 |
| | 1 | Rigging components needed | |
| 8 | 1 | Single-hub | 6Y8-81920-11-00 |
| 9 | 1 | Pigtail Bus Wire | See List[1] |
| 10 | 1 | Main bus Wire | See List[2] |
| 11 | 1 | 2nd Helm Harness (Port) | See List[3] |
| 12 | 1 | 2nd Helm Harness (Stbd) | See List[4] |

#### Level 2

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 13 | 1 | Helm Unit Assembly | 6X9-762H0-10-00* |
| 14 | 1 | Helm Harness (2nd station) | 6X9-8258A-B1-00* |

**Additional for 2nd Station XTO Only
6GR-8258A-V0-00 X2

#### Level 3

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Autopilot Kit | 6X9-762P0-11-00 |
| 15 | 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 16 | 1 | BCU Harness | 6X9-82386-10-00 |
| | 1 | BCU Harness Extension | See List[5] |

#### Level 4

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 17 | 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |

**[1]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[2]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

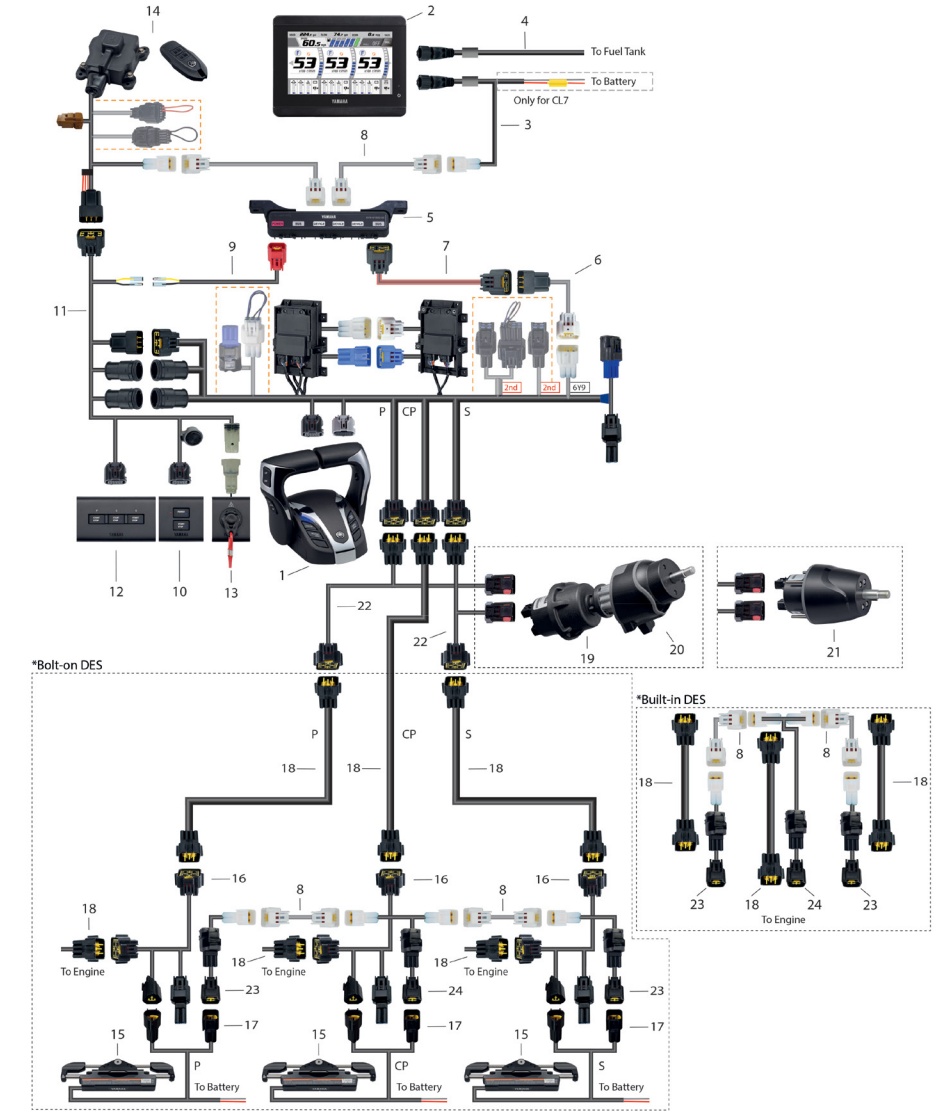
**[3]2nd Helm Harness (Port)**
16 ft. 6X9-8258A-00-00
26 ft. 6X9-8258A-10-00
38 ft. 6X9-8258A-20-00

**[4]2nd Helm Harness (Starboard)**
16 ft. 6X9-8258A-30-00
26 ft. 6X9-8258A-40-00
38 ft. 6X9-8258A-50-00

**[5]BCU Extension Harness**
15 ft. 6X9-82521-00-00
30 ft 6X9-82521-10-00

## Triple Engine Single Station Level 2 EKS

| TRIPLE | 6X9 | CL5 | EKS | DES | SINGLE | HM-EX |
|---|---|---|---|---|---|---|
| ENGINE | DEC TM | DISPLAY | SWITCH | BOLT-ON | STATION | JOYSTICK / AP |




## Helm Master® EX

**[1]Main Bus Wire**
- 1 ft. 6Y8-82553-01-00
- 10 ft. 6Y8-82553-50-00
- 15 ft. 6Y8-82553-11-00
- 20 ft. 6Y8-82553-21-00
- 25 ft. 6Y8-82553-31-00
- 30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**
- 1 ft. 6Y8-82521-01-00
- 2 ft. 6Y8-82521-11-00
- 3 ft. 6Y8-82521-21-00
- 6 ft. 6Y8-82521-31-00
- 9 ft. 6Y8-82521-41-00
- 12 ft. 6Y8-82521-51-00

**[3]Steering Actuator Harness**
- 8 ft. 6X9-438A0-00-00
- 15 ft. 6X9-438A0-10-00

**[4]Main-Harness (16P)**
- 5 ft. 6X6-8258A-91-00
- 12 ft. 6X6-8258A-51-00
- 17 ft. 6X6-8258A-61-00
- 19 ft. 6X6-8258A-01-00
- 23 ft. 6X6-8258A-11-00
- 26 ft. 6X6-8258A-21-00
- 32 ft. 6X6-8258A-31-00
- 39 ft. 6X6-8258A-41-00
- 49 ft. 6X6-8258A-71-00
- 79 ft. 6X6-8258A-81-00

**[5]Helm Harness (Main/Multi)**
- 3 ft. 6GR-8258A-11-00
- 6 ft. 6GR-8258A-51-00
- 9 ft. 6GR-8258A-61-00

**[6]SCU Link Harness (Port/Stbd)**
- 1 ft. 6X9-81115-00-00
- 5 ft. 6GR-81115-00-00
- 10 ft. 6GR-81115-10-00

**[7]SCU Link Harness (Center)**
- 1 ft. 6X9-81115-10-00
- 5 ft. 6GR-81115-20-00
- 10 ft. 6GR-81115-30-00

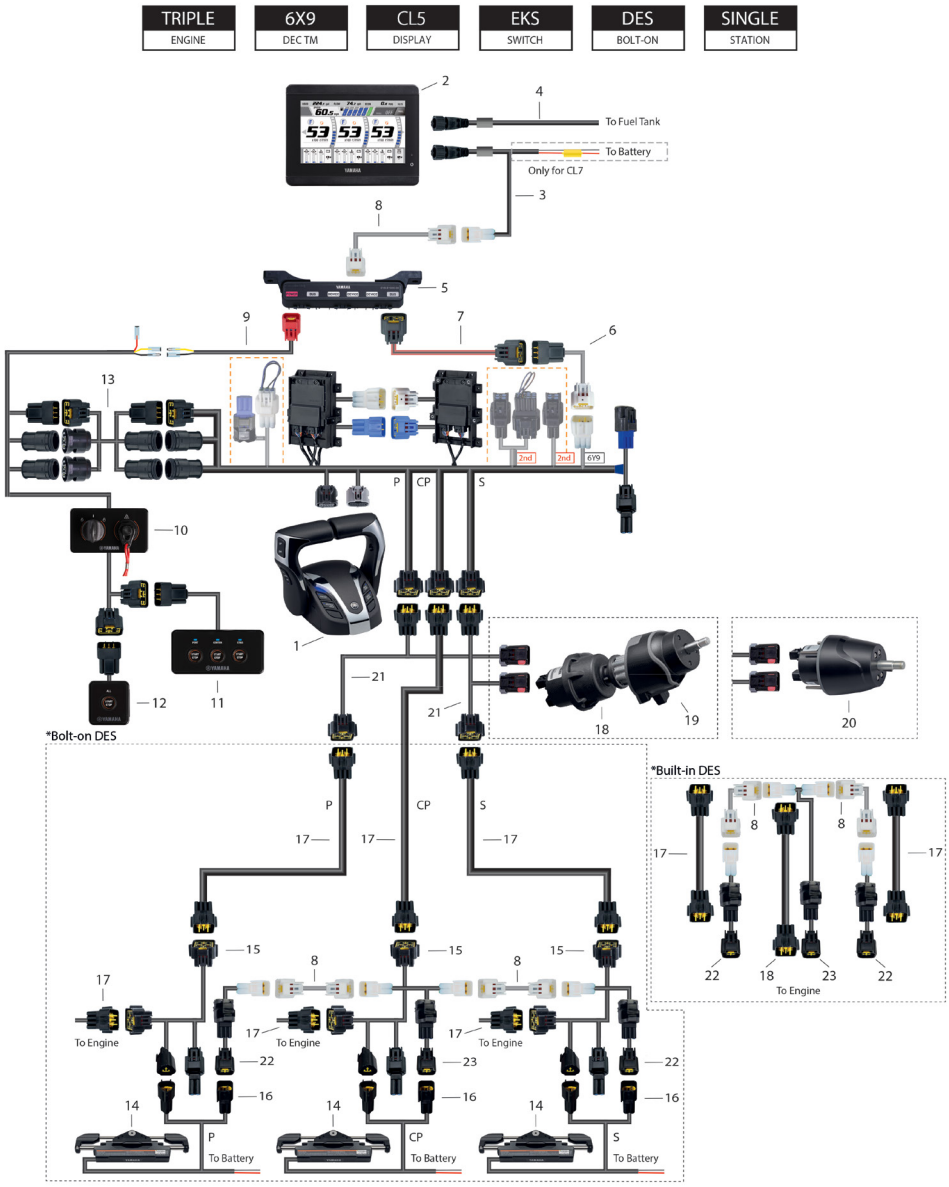
### Parts order list for basic installation:

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Triple DEC | 6X9-48208-10-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 1 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | 1 | EKS Kit | 6X9-762B0-67-00 |
| 10 | 1 | Power Switch | 6X9-82570-01-00 |
| 11 | 1 | EKS Harness | 6X9-82716-41-00 |

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 12 | 1 | Individual Start/Stop Switch | 6X9-82570-41-00 |
| 13 | 1 | Emergency Stop Switch | 6X9-82570-C0-00 |
| 14 | 1 | Key Fob and Receiver Assembly | 6X9-762D0-14-00 |
| | 3 | Steering Kit | 6X9-762S0-03-00 |
| 15 | 3 | Bolt-on Actuator | 6X9-42401-11-00 |
| 16 | 3 | Split Harness | 6X9-8258A-90-00 |
| 17 | 3 | Steering Actuator Harness | See List[3] |
| 18 | 3 | Main-Harness (16P) | See List[4] |
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 19 | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 20 | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 21 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 22 | 2 | Helm Harness (Main/Multi) | See List[5] |
| 23 | 2 | SCU Link Harness (Port/Stbd) | See List[6] |
| 24 | 1 | SCU Link Harness (Center) | See List[7] |

# Triple Engine Single Station Level 2 6X6

## Helm Master® EX




**[1]Main Bus Wire**

1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**

1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[3]Steering Actuator Harness**

8 ft. 6X9-438A0-00-00
15 ft. 6X9-438A0-10-00

**[4]Main-Harness (16P)**

5 ft. 6X6-8258A-91-00
12 ft. 6X6-8258A-51-00
17 ft. 6X6-8258A-61-00
19 ft. 6X6-8258A-01-00
23 ft. 6X6-8258A-11-00
26 ft. 6X6-8258A-21-00
32 ft. 6X6-8258A-31-00
39 ft. 6X6-8258A-41-00
49 ft. 6X6-8258A-71-00
79 ft. 6X6-8258A-81-00

**[5]Helm Harness (Main/Multi)**

3 ft. 6GR-8258A-11-00
6 ft. 6GR-8258A-51-00
9 ft. 6GR-8258A-61-00

**[6]SCU Link Harness (Port/Stbd)**

1 ft. 6X9-81115-00-00
5 ft. 6GR-81115-00-00
10 ft. 6GR-81115-10-00

**[7]SCU Link Harness (Center)**

1 ft. 6X9-81115-10-00
5 ft. 6GR-81115-20-00
10 ft. 6GR-81115-30-00

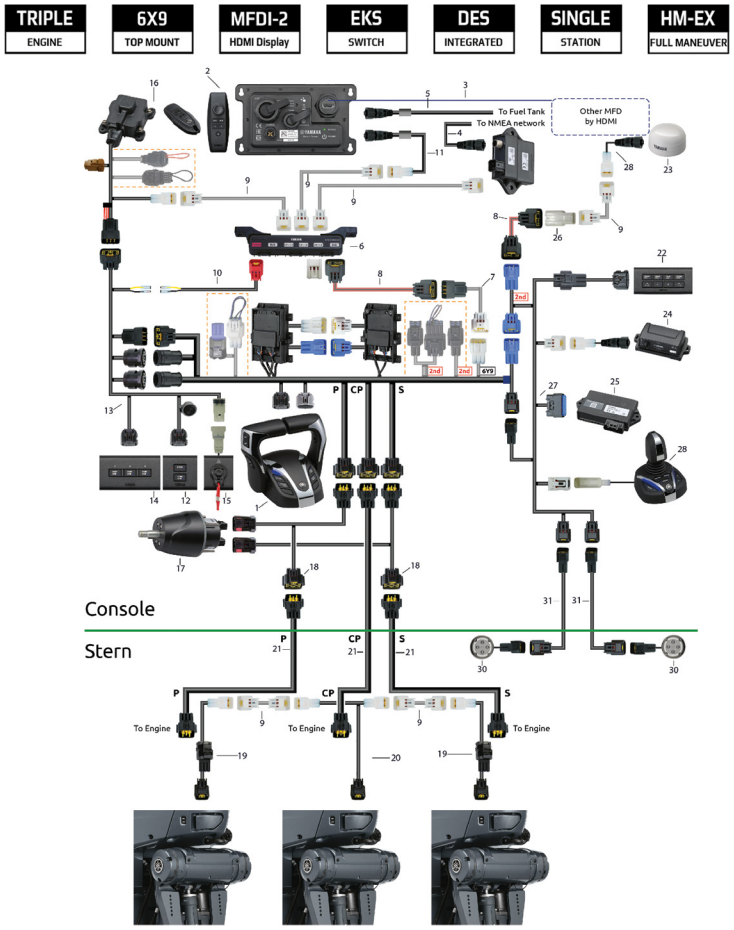
### Parts order list for basic installation:

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Triple DEC | 6X9-48208-10-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 1 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | 1 | Switch Kit | 6X6-762B0-11-00 |
| 10 | 1 | Main Switch | 6X6-82570-51-00 |
| 11 | 1 | Triple Start/Stop Switch | 6X6-82570-70-00 |

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 12 | 1 | All Start/Stop Switch | 6X6-82570-D0-00 |
| 13 | 1 | Conversion Harness | 6X9-83553-60-00 |
| | 3 | Steering Kit | 6X9-762S0-03-00 |
| 14 | 3 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 15 | 3 | Split Harness | 6X9-8258A-90-00 |
| 16 | 3 | Steering Actuator Harness | See List[3] |
| 17 | 3 | Main-Harness (16P) | See List[4] |
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 18 | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 19 | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 20 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 21 | 2 | Helm Harness (Main/Multi) | See List[5] |
| 22 | 2 | SCU Link Harness (Port/Stbd) | See List[6] |
| 23 | 1 | SCU Link Harness (Center) | See List[7] |

## Triple Engine Single Station Full Maneuverability

## Helm Master® EX




**[1]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[3]Main-Harness (16P)**
5 ft. 6X6-8258A-91-00
12 ft. 6X6-8258A-51-00
17 ft. 6X6-8258A-61-00
19 ft. 6X6-8258A-01-00
23 ft. 6X6-8258A-11-00
26 ft. 6X6-8258A-21-00
32 ft. 6X6-8258A-31-00
39 ft. 6X6-8258A-41-00
49 ft. 6X6-8258A-71-00
79 ft. 6X6-8258A-81-00

**[4]Helm Harness (Main/Multi)**
3 ft. 6GR-8258A-11-00
6 ft. 6GR-8258A-51-00
9 ft. 6GR-8258A-61-00

**[5]SCU Link Harness (Port/Stbd)**
1 ft. 6X9-81115-00-00
5 ft. 6GR-81115-00-00
10 ft. 6GR-81115-10-00

**[6]SCU Link Harness (Center)**
1 ft. 6X9-81115-10-00
5 ft. 6GR-81115-20-00
10 ft. 6GR-81115-30-00

**[7]BCU Extension Harness**
15 ft. 6X9-82521-00-00
30 ft 6X9-82521-10-00

**[8]Prop Light Extension Harness**
20 ft. 6X9-82586-20-00
30 ft. 6X9-82586-30-00
40 ft. 6X9-82586-40-00

### Parts order list for basic installation:

#### Level 1

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Triple DEC | 6X9-48208-10-00 |
| | 1 | Gauge Kit | MAR-CL000-KT-00 |
| 2 | 1 | CL0 Unit & Remote Control | 6YM-8A201-01-00 |
| 3 | 1 | HDMI Cable | 6YM-8533A-00-00 |
| 4 | 1 | Gateway NMEA 2000 Wire | 6YG-82521-00-00 |
| | 1 | MFD Interface Install Kit | MAR-CL0D1-KT-00 |
| 5 | 1 | Fuel Tank Wire | 6YM-8356N-00-00 |
| 6 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 7 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 8 | 1 | Main Bus Wire | See List[1] |
| 9 | 2 | Pigtail Bus Wire | See List[2] |
| 10 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 1 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| 11 | 1 | CL0 Conversion Harness | 6YM-83553-10-00 |
| | 1 | Switch Kit | 6X9-762B0-67-00 |
| 12 | 1 | Power Switch | 6X9-82570-01-00 |
| 13 | 1 | EKS Harness | 6X9-82716-41-00 |
| 14 | 1 | Individual Start/Stop SW | 6X9-82570-41-00 |
| 15 | 1 | Emergency Stop SW | 6X9-82570-C0-00 |
| 16 | 1 | Key Fob and Receiver Assy | 6X9-762D0-14-00 |
| | 1 | Pigtail Bus Wire | See List[2] |

#### Level 2

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 17 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 18 | 2 | Helm Harness (Main/Multi) | See List[4] |
| 19 | 2 | SCU Link Harness (Port/Stbd) | See List[5] |
| 20 | 1 | SCU Link Harness (Center) | See List[6] |
| 21 | 3 | Main-Harness (16P) | See List[3] |

#### Level 3

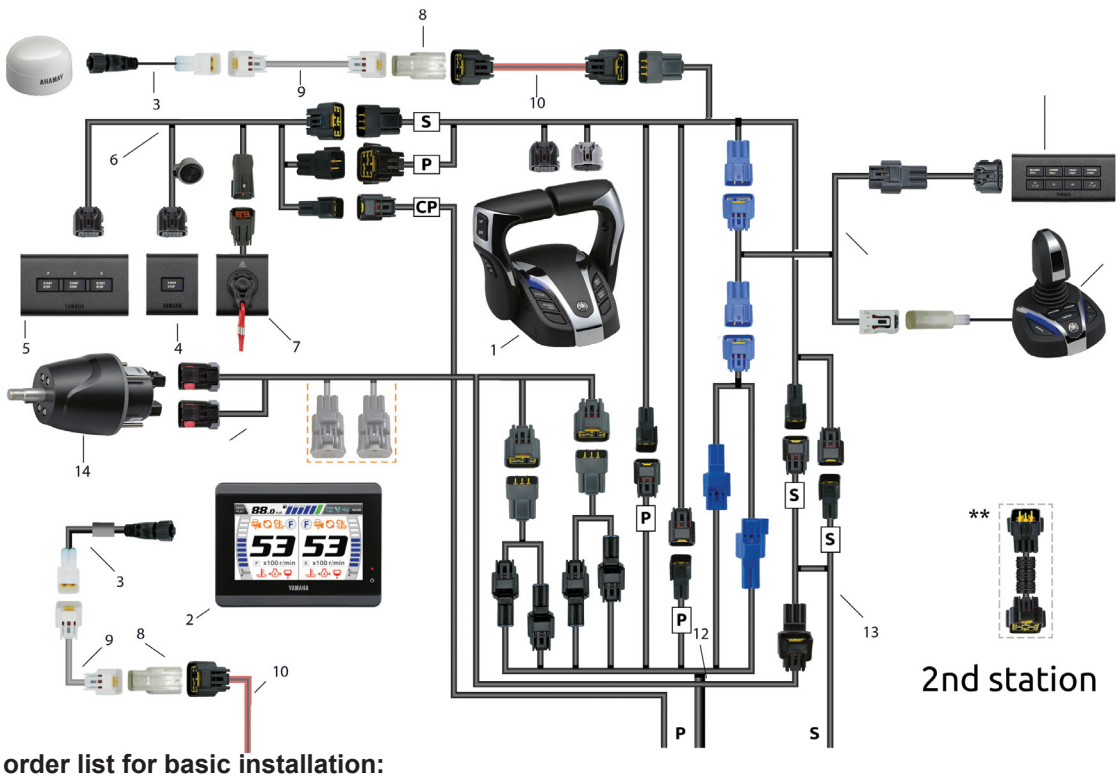
| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Autopilot Kit | 6X9-762P0-07-00 |
| 22 | 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 23 | 1 | GPS Unit | 6X9-88107-02-00 |
| 24 | 1 | Heading Sensor | 6X9-8A410-01-00 |
| 25 | 1 | BCU | 6X9-8591T-13-00 |
| 26 | 1 | Single Hub | 6Y8-81920-11-00 |
| 27 | 1 | BCU Harness | 6X9-82386-01-00 |
| 28 | 2 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | Main Bus Wire | See List[1] |
| | 1 | Pigtail Bus Wire | See List[2] |
| | 1 | BCU Harness Extension | See List[7] |

#### Level 4

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Joystick Kit | MAR-762J0-60-00 |
| 29 | 1 | *Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |
| 30 | 2 | LED Assy (Prop Lights) | 6ES-83720-02-00 |
| | 1 | BCU | 6X9-8591T-33-00 |
| 31 | 2 | Extension Harness | See List[8] |

## Triple Engine Second Station Full Maneuverability  Helm Master® EX

TRIPLE ENGINE | 6X9 TOP MOUNT | CL5 DISPLAY | EKS SWITCH | SECOND STATION | HM-EX FULL MANEUVER




### Parts order list for basic installation:

#### Level 1

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Triple DEC | 6X9-48207-30-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | EKS Kit | 6X9-762B0-A1-00 |
| 4 | 1 | All Start/Stop SW | 6X9-82570-B1-00 |
| 5 | 1 | Individual Start/Stop SW | 6X9-82570-41-00 |
| 6 | 1 | EKS Harness | 6X9-82716-80-00 |
| 7 | 1 | Emergency Stop SW | 6X9-82570-C0-00 |
| | 1 | Rigging Components | |
| 8 | 1 | Single-Hub | 6Y8-81920-11-00 |
| 9 | 1 | Pigtail Bus Wire | See List[1] |
| 10 | 1 | Main Bus Wire | See List[2] |
| 11 | 1 | 2nd Helm Harness (Port) | See List[3] |
| 12 | 1 | 2nd Helm Harness (Stbd) | See List[4] |
| 13 | 1 | 2nd Helm Harness (Center) | See List[5] |

#### Level 2

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 14 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 15 | 1 | Helm Harness (2nd Station) | 6X9-8258A-B1-00 |

**Additional for 2nd Station XTO Only
6GR-8258A-V0-00 X3

#### Level 3

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Autopilot Kit | 6X9-762P0-11-00 |
| 16 | 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 17 | 1 | BCU Harness | 6X9-82386-10-00 |
| | 1 | BCU Harness Extension | See List[6] |

#### Level 4

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 18 | 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |

**[1]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[2]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[3]2nd Helm Harness (Port)**
16 ft. 6X9-8258A-00-00
26 ft. 6X9-8258A-10-00
38 ft. 6X9-8258A-20-00

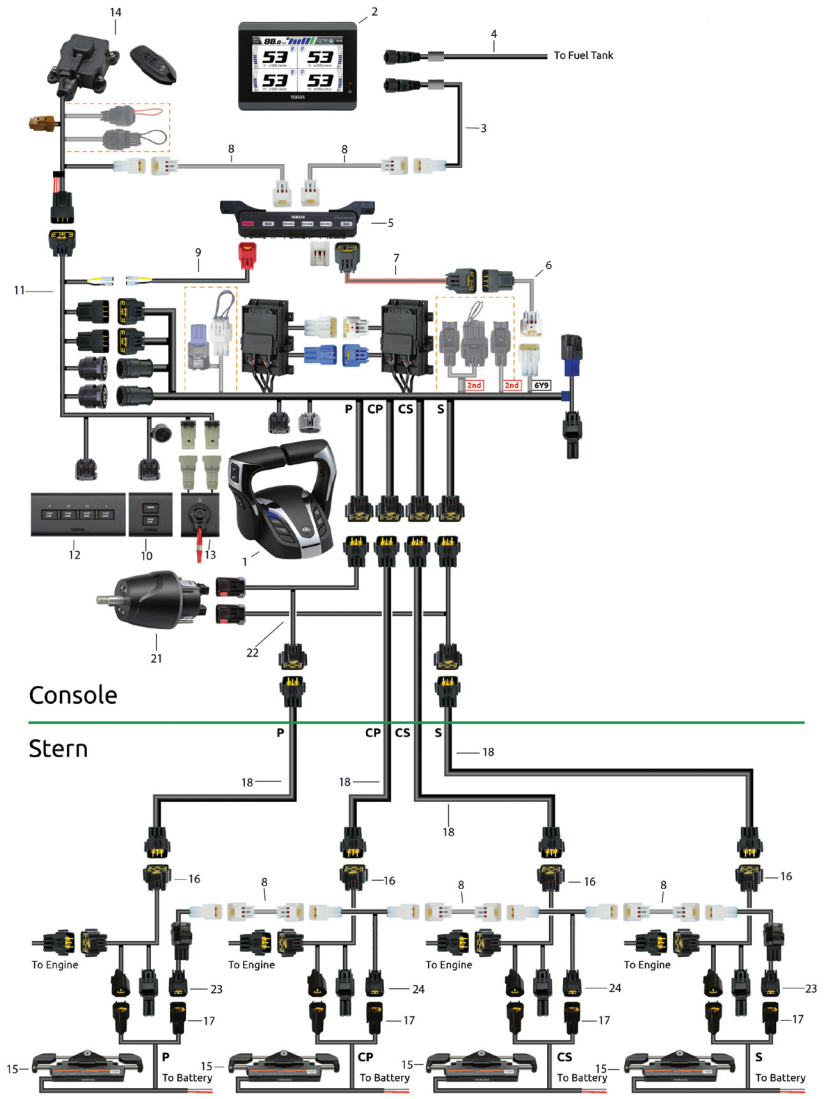
**[4]2nd Helm Harness (Starboard)**
16 ft. 6X9-8258A-30-00
26 ft. 6X9-8258A-40-00
38 ft. 6X9-8258A-50-00

**[5]2nd Helm Harness (Center)**
16 ft. 6X9-8258A-60-00
26 ft. 6X9-8258A-70-00
38 ft. 6X9-8258A-80-00

**[6]BCU Extension Harness**
15 ft. 6X9-82521-00-00
30 ft 6X9-82521-10-00

## Quad Engine Single Station Level 2 EKS

| QUAD | 6X9 | CL5 | EKS | DES | SINGLE |
|---|---|---|---|---|---|
| ENGINE | DEC TM | DISPLAY | SWITCH | BOLT-ON | STATION |




## Helm Master® EX

**[1]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[3]Steering Actuator Harness**
8 ft. 6X9-438A0-00-00
15 ft. 6X9-438A0-10-00

**[4]Main-Harness (16P)**
5 ft. 6X6-8258A-91-00
12 ft. 6X6-8258A-51-00
17 ft. 6X6-8258A-61-00
19 ft. 6X6-8258A-01-00
23 ft. 6X6-8258A-11-00
26 ft. 6X6-8258A-21-00
32 ft. 6X6-8258A-31-00
39 ft. 6X6-8258A-41-00
49 ft. 6X6-8258A-71-00
79 ft. 6X6-8258A-81-00

**[5]Helm Harness (Main/Multi)**
3 ft. 6GR-8258A-11-00
6 ft. 6GR-8258A-51-00
9 ft. 6GR-8258A-61-00

**[6]SCU Link Harness (Port/Stbd)**
1 ft. 6X9-81115-00-00
5 ft. 6GR-81115-00-00
10 ft. 6GR-81115-10-00

**[7]SCU Link Harness (Center)**
1 ft. 6X9-81115-10-00
5 ft. 6GR-81115-20-00
10 ft. 6GR-81115-30-00

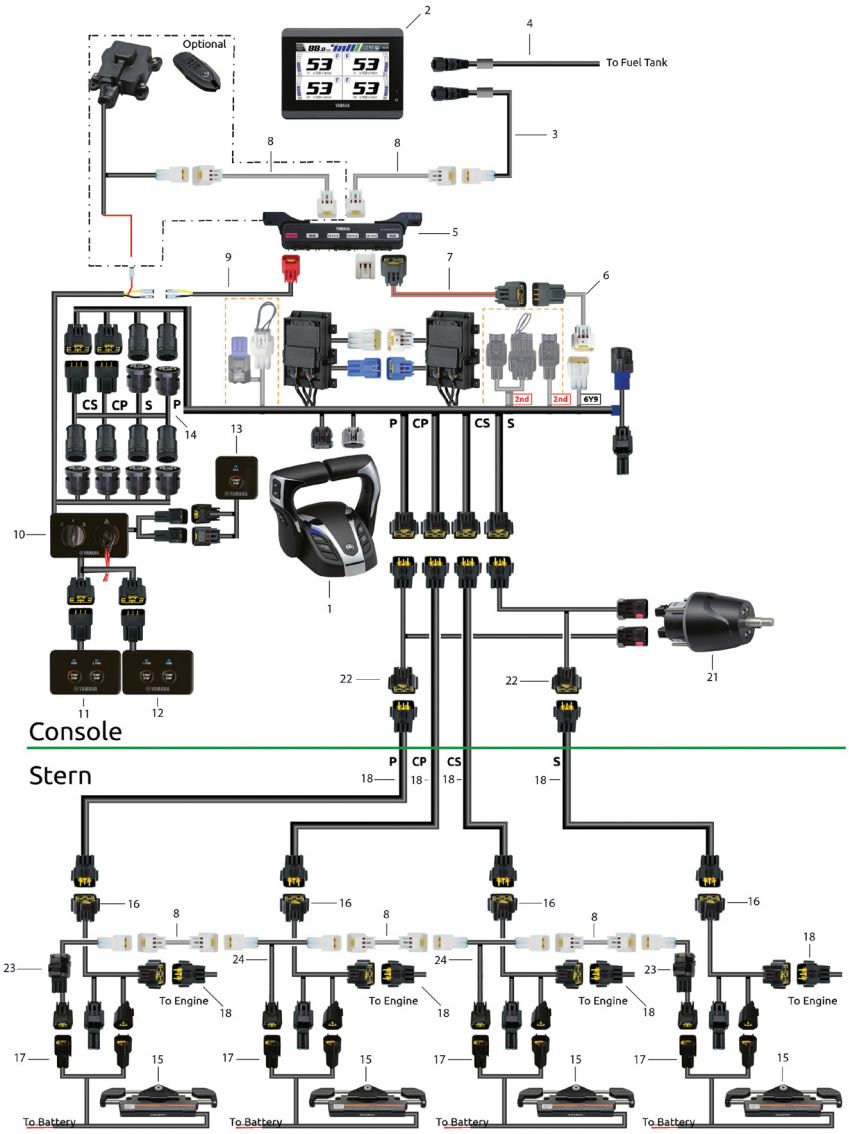
### Parts order list for basic installation:

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Quad DEC | 6X9-48209-10-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 1 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-pin Waterproof Cap | 6Y8-82582-11-00 |
| | 1 | EKS Kit | 6X9-762B0-77-00 |
| 10 | 1 | Power Switch | 6X9-82570-01-00 |
| 11 | 1 | EKS Harness | 6X9-82716-91-00 |
| 12 | 1 | Individual Start/Stop Switch | 6X9-82570-51-00 |

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 13 | 1 | Emergency Stop Switch | 6X9-82570-D0-00 |
| 14 | 1 | Key Fob and Receiver Assembly | 6X9-762D0-14-00 |
| | 4 | Steering Kit | 6X9-762S0-03-00 |
| 15 | 4 | Bolt-on Actuator | 6X9-42401-11-00 |
| 16 | 4 | Split Harness | 6X9-8258A-90-00 |
| 17 | 4 | Steering Actuator Harness | See List[3] |
| 18 | 4 | Main-Harness (16P) | See List[4] |
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 19 | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 20 | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 21 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 22 | 2 | Helm Harness (Main/Multi) | See List[5] |
| 23 | 2 | SCU Link Harness (Port/Stbd) | See List[6] |
| 24 | 1 | SCU Link Harness (Center) | See List[7] |

# Quad Engine Single Station Level 2 6X6

| QUAD | 6X9 | CL5 | 6X6 | DES | SINGLE |
|---|---|---|---|---|---|
| ENGINE | DEC TM | DISPLAY | SWITCH | BOLT-ON | STATION |




## Helm Master® EX

**[1]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[3]Steering Actuator Harness**
8 ft. 6X9-438A0-00-00
15 ft. 6X9-438A0-10-00

**[3]Main-Harness (16P)**
5 ft. 6X6-8258A-91-00
12 ft. 6X6-8258A-51-00
17 ft. 6X6-8258A-61-00
19 ft. 6X6-8258A-01-00
23 ft. 6X6-8258A-11-00
26 ft. 6X6-8258A-21-00
32 ft. 6X6-8258A-31-00
39 ft. 6X6-8258A-41-00
49 ft. 6X6-8258A-71-00
79 ft. 6X6-8258A-81-00

**[5]Helm Harness (Main/Multi)**
3 ft. 6GR-8258A-11-00
6 ft. 6GR-8258A-51-00
9 ft. 6GR-8258A-61-00

**[6]SCU Link Harness (Port/Stbd)**
1 ft. 6X9-81115-00-00
5 ft. 6GR-81115-00-00
10 ft. 6GR-81115-10-00

**[7]SCU Link Harness (Center)**
1 ft. 6X9-81115-10-00
5 ft. 6GR-81115-20-00
10 ft. 6GR-81115-30-00

## Parts order list for basic installation:

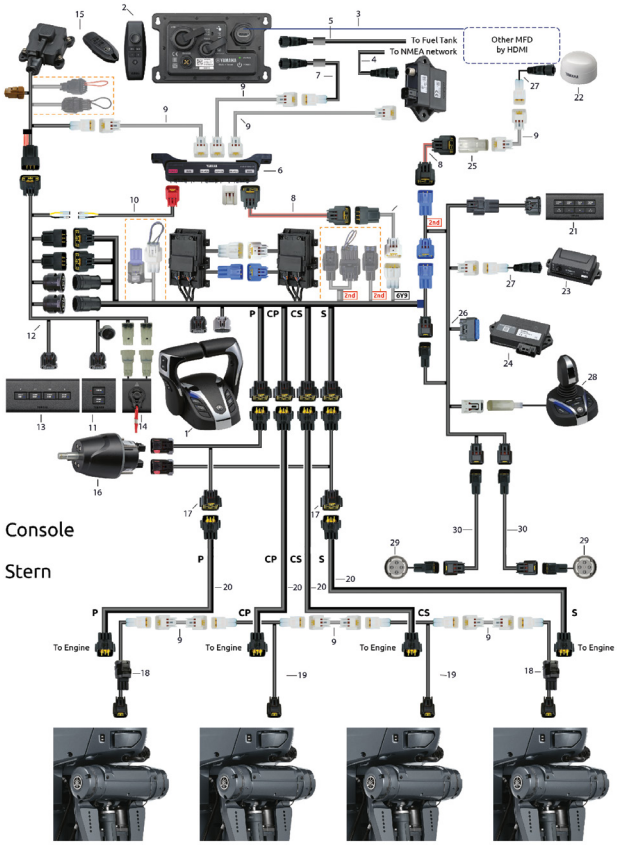
| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Quad DEC | 6X9-48209-10-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 4 | 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 5 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 6 | 1 | Conversion Harness | 6Y9-83553-00-00 |
| 7 | 1 | Main Bus Wire | See List[1] |
| 8 | 1 | Pigtail Bus Wire | See List[2] |
| 9 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 2 | 4-pin Waterproof Cap | 6Y8-82582-11-00 |
| 10 | 1 | Main Switch | 6X6-82570-G1-00 |
| 11 | 1 | Quad Start/Stop Button | 6X6-82570-J0-00 |
| 12 | 1 | Quad Start/Stop Button | 6X6-82570-K0-00 |

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 13 | 1 | All Start/Stop Switch | 6X6-82570-D0-00 |
| 14 | 1 | Conversion Harness | 6X9-83553-60-00 |
| 15 | 4 | Main-Harness (16P) | See List[3] |
| | 4 | Steering Kit | 6X9-762S0-03-00 |
| 15 | 4 | Bolt-on Actuator | 6X9-42401-11-00 |
| 16 | 4 | Split Harness | 6X9-8258A-90-00 |
| 17 | 4 | Steering Actuator Harness | See List[3] |
| 18 | 4 | Main-Harness (16P) | See List[4] |
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 19 | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 20 | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 21 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 22 | 2 | Helm Harness (Main/Multi) | See List[5] |
| 23 | 2 | SCU Link Harness (Port/Stbd) | See List[6] |
| 24 | 1 | SCU Link Harness (Center) | See List[7] |

## Quad Engine Single Station Full Maneuverability

## Helm Master® EX

QUAD ENGINE | 6X9 TOP MOUNT | MFDI-2 HDMI Display | EKS SWITCH | DES INTEGRATED | SINGLE STATION | HM-EX FULL MANEUVER




**[1]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[2]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[3]Main-Harness (16P)**
5 ft. 6X6-8258A-91-00
12 ft. 6X6-8258A-51-00
17 ft. 6X6-8258A-61-00
19 ft. 6X6-8258A-01-00
23 ft. 6X6-8258A-11-00
26 ft. 6X6-8258A-21-00
32 ft. 6X6-8258A-31-00
39 ft. 6X6-8258A-41-00
49 ft. 6X6-8258A-71-00
79 ft. 6X6-8258A-81-00

**[4]Helm Harness (Main/Multi)**
3 ft. 6GR-8258A-11-00
6 ft. 6GR-8258A-51-00
9 ft. 6GR-8258A-61-00

**[5]SCU Link Harness (Port/Stbd)**
1 ft. 6X9-81115-00-00
5 ft. 6GR-81115-00-00
10 ft. 6GR-81115-10-00

**[6]SCU Link Harness (Center)**
1 ft. 6X9-81115-10-00
5 ft. 6GR-81115-20-00
10 ft. 6GR-81115-30-00

**[7]BCU Extension Harness**
15 ft. 6X9-82521-00-00
30 ft 6X9-82521-10-00

**[8]Prop Light Extension Harness**
20 ft. 6X9-82586-20-00
30 ft. 6X9-82586-30-00
40 ft. 6X9-82586-40-00

### Parts order list for basic installation:

#### Level 1

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 Quad DEC | 6X9-48209-10-00 |
| | 1 | Gauge Kit | MAR-CL000-KT-00 |
| 2 | 1 | CL0 Unit & Remote control | 6YM-8A201-01-00 |
| 3 | 1 | HDMI Cable | 6YM-8533A-00-00 |
| 4 | 1 | Gateway NMEA 2000 Wire | 6YG-82521-00-00 |
| | 1 | MFD Interface Install Kit | MAR-CL0D1-KT-00 |
| 5 | 1 | Fuel Tank Wire | 6YM-8356N-00-00 |
| 6 | 1 | Multi-Hub | 6Y8-81920-01-00 |
| 7 | 1 | CL0 Conversion Harness | 6YM-83553-10-00 |
| 8 | 1 | Main Bus Wire | See List[1] |
| 9 | 2 | Pigtail Bus Wire | See List[2] |
| 10 | 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| | 1 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | 1 | EKS Kit | 6X9-762B0-77-00 |
| 11 | 1 | Power Switch | 6X9-82570-01-00 |
| 12 | 1 | EKS Harness | 6X9-82716-91-00 |
| 13 | 1 | Individual Start/Stop SW | 6X9-82570-51-00 |
| 14 | 1 | Emergency Stop SW | 6X9-82570-D0-00 |
| 15 | 1 | Key Fob and Receiver Assy | 6X9-762D0-14-00 |
| | 1 | Pigtail Bus Wire | See List[2] |

#### Level 2

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 16 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 17 | 2 | Helm Harness (Main/Multi) | See List[4] |
| | 3 | Pigtail Bus Wire | See List[2] |
| 18 | 2 | SCU Link Harness (Port/Stbd) | See List[5] |
| 19 | 2 | SCU Link Harness (Center) | See List[6] |
| 20 | 4 | Main-Harness (16P) | See List[3] |

#### Level 3

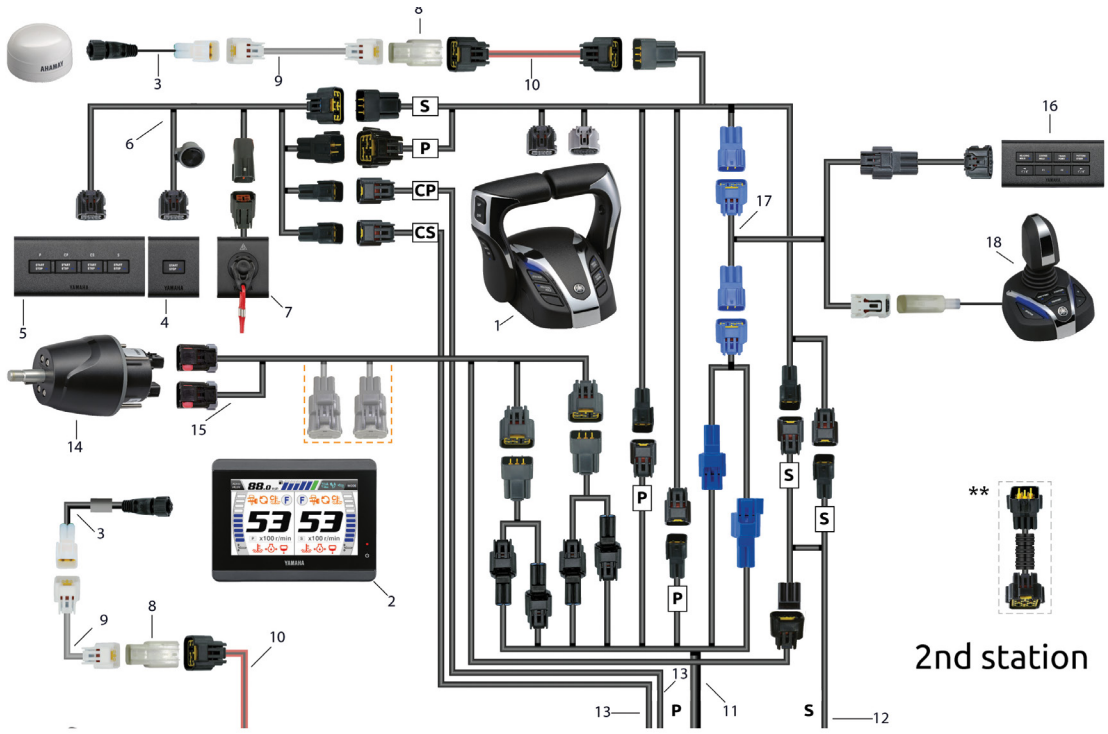
| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Autopilot Kit | 6X9-762P0-07-00 |
| 21 | 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 22 | 1 | GPS Unit | 6X9-88107-02-00 |
| 23 | 1 | Heading Sensor | 6X9-8A410-01-00 |
| 24 | 1 | BCU | 6X9-8591T-13-00 |
| 25 | 1 | Single Hub | 6Y8-81920-11-00 |
| 26 | 1 | BCU Harness | 6X9-82386-01-00 |
| 27 | 2 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | Main Bus Wire | See List[1] |
| | 1 | Pigtail Bus Wire | See List[2] |
| | 1 | BCU Harness Extension | See List[7] |

#### Level 4

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Joystick Kit | MAR-762J0-70-00 |
| 28 | 1 | *Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |
| 29 | 2 | LED Assy (Prop Lights) | 6ES-83720-02-00 |
| | 1 | BCU | 6X9-8591T-44-00 |
| 30 | 2 | Extension Harness | See List[8] |

## Quad Engine Second Station Full Maneuverability  Helm Master® EX

**QUAD** ENGINE | **6X9** TOP MOUNT | **CL5** DISPLAY | **EKS** SWITCH | **SECOND** STATION | **HM-EX** FULL MANEUVER




### Parts order list for basic installation:

#### Level 1

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 1 | 1 | 6X9 QUAD DEC | 6X9-48207-30-00 |
| | 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 2 | 1 | CL5 Display | 6YM-83710-16-00 |
| 3 | 1 | Conversion Harness | 6YM-83553-00-00 |
| | 1 | EKS Kit | 6X9-762B0-B1-00 |
| 4 | 1 | All Start/Stop SW | 6X9-82570-B1-00 |
| 5 | 1 | Individual Start/Stop SW | 6X9-82570-51-00 |
| 6 | 1 | EKS Harness | 6X9-82716-A0-00 |
| 7 | 1 | Emergency Stop SW | 6X9-82570-D0-00 |
| | 1 | Rigging Components | |
| 8 | 1 | Single Hub | 6Y8-81920-11-00 |
| 9 | 1 | Pigtail Bus Wire | See List[1] |
| 10 | 1 | Main Bus Wire | See List[2] |
| 11 | 1 | 2nd Helm Harness (Port) | See List[3] |
| 12 | 1 | 2nd Helm Harness (Stbd) | See List[4] |
| 13 | 2 | 2nd Helm Harness (Center) | See List[5] |

#### Level 2

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| | 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| | 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 14 | 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 15 | 1 | Helm Harness (2nd Station) | 6X9-8258A-B1-00 |

**Additional for 2nd Station XTO Only
6GR-8258A-V0-00 X4

#### Level 3

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| | 1 | Autopilot Kit | 6X9-762P0-11-00 |
| 16 | 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 17 | 1 | BCU Harness | 6X9-82386-10-00 |
| | 1 | BCU Harness Extension | See List[6] |

#### Level 4

| Ref # | Qty | Description | Part Number |
|---|---|---|---|
| 18 | 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |

**[1]Pigtail Bus Wire**
1 ft. 6Y8-82521-01-00
2 ft. 6Y8-82521-11-00
3 ft. 6Y8-82521-21-00
6 ft. 6Y8-82521-31-00
9 ft. 6Y8-82521-41-00
12 ft. 6Y8-82521-51-00

**[2]Main Bus Wire**
1 ft. 6Y8-82553-01-00
10 ft. 6Y8-82553-50-00
15 ft. 6Y8-82553-11-00
20 ft. 6Y8-82553-21-00
25 ft. 6Y8-82553-31-00
30 ft. 6Y8-82553-41-00

**[3]2nd Helm Harness (Port)**
16 ft. 6X9-8258A-00-00
26 ft. 6X9-8258A-10-00
38 ft. 6X9-8258A-20-00

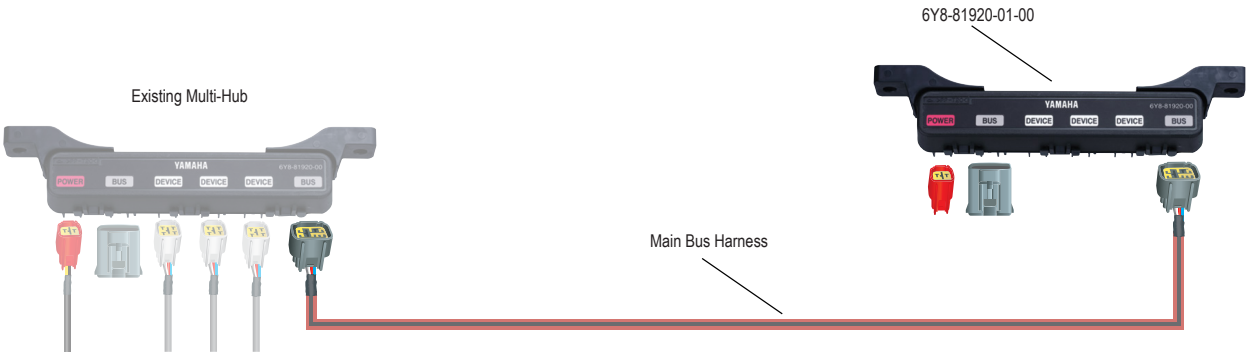
**[4]2nd Helm Harness (Starboard)**
16 ft. 6X9-8258A-30-00
26 ft. 6X9-8258A-40-00
38 ft. 6X9-8258A-50-00

**[5]2nd Helm Harness (Center)**
16 ft. 6X9-8258A-60-00
26 ft. 6X9-8258A-70-00
38 ft. 6X9-8258A-80-00

**[6]BCU Extension Harness**
15 ft. 6X9-82521-00-00
30 ft 6X9-82521-10-00

## Adding a Multi-Hub

If there are no unused “Device Ports” on the Multi-Hubs already installed, before adding additional accessories or gauges to the network another Multi-Hub must be added.




**Parts order list for basic installation:**

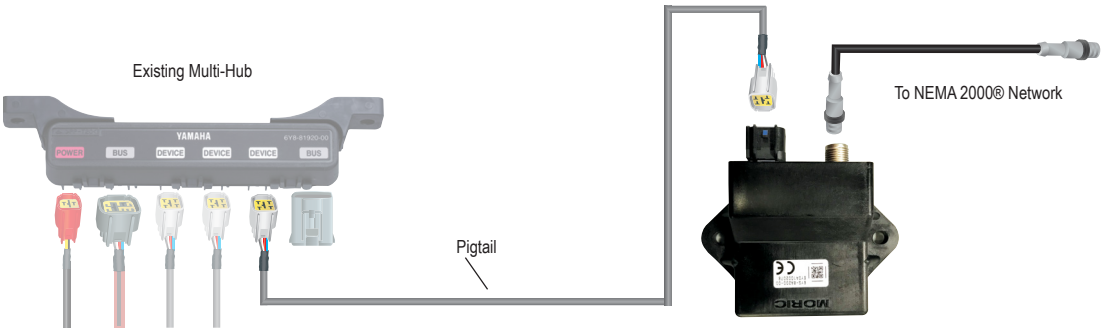
| Quantity | Description | Part Number |
|---|---|---|
| 1 | Multi-Hub | 6Y8-81920-01-00 |
| 1 | Main Bus Harness | See List[1] |

**[1] Main Bus Harnesses**

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

## Adding a Gateway

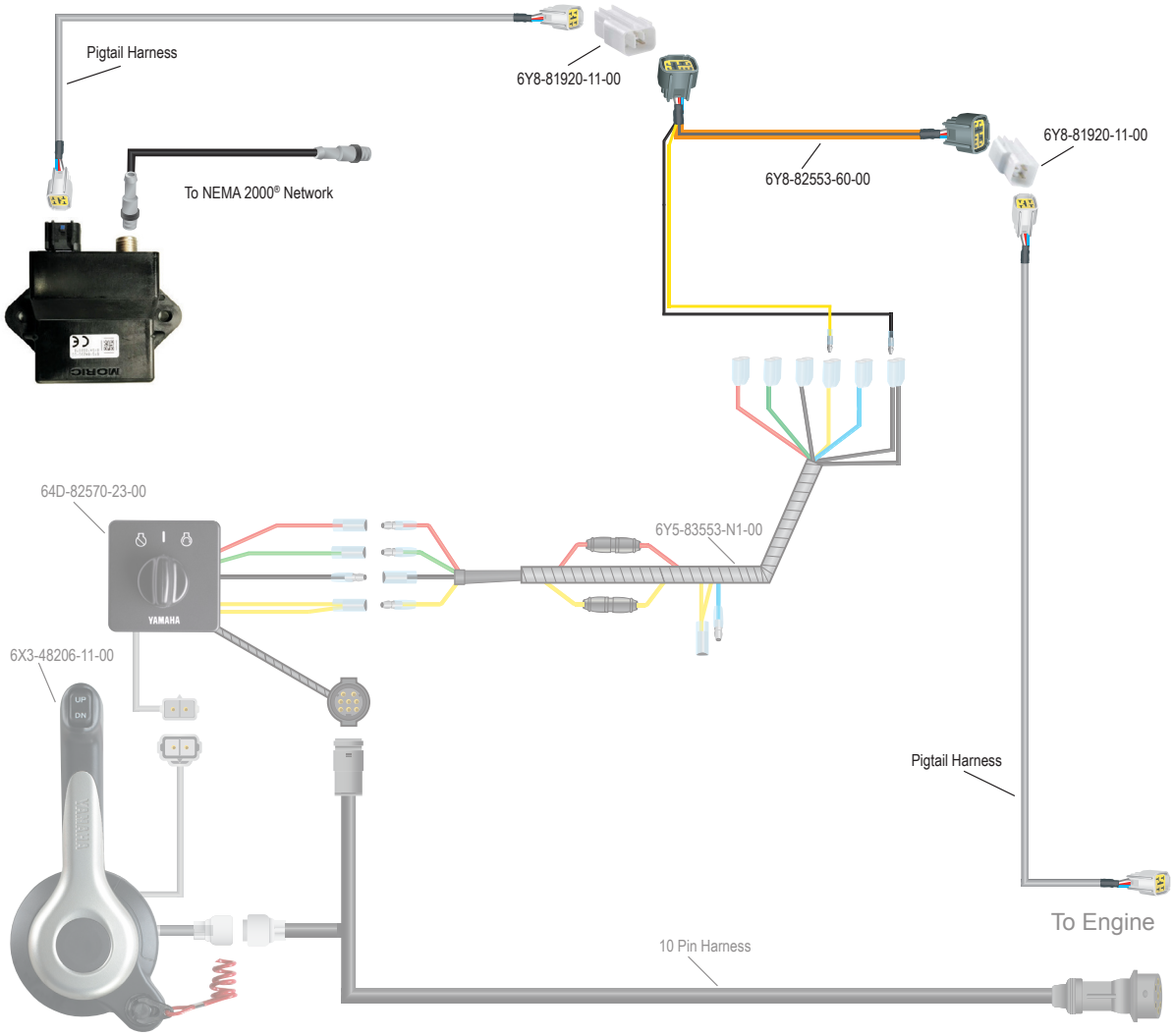
Adding a Gateway to the Digital Network requires one open “Device” port. If no open port exists, a Multi-Hub must also be added.




**Parts order list for basic installation:**

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Command Link® / Command Link Plus® Gateway | MAR-GTWAY-KT-20 |

*Kit includes 2 ft. Pigtail Harness (6Y8-82521-11-00) and NMEA 2000® Wirelead (6YG-82521-00-00)*




## Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Command Link® / Command Link Plus® Gateway | MAR-GTWAY-KT-20 |
| 2 | In-line Hub | 6Y8-81920-11-00 |
| 1 | Orange Extension Harness (14 ft.) | 6Y8-82553-60-00 |
| 1 | Pigtail Harness | See List[1] |

*Kit includes 2 ft. Pigtail Harness (6Y8-82521-11-00) and NMEA 2000® Wirelead (6YG-82521-00-00)*

### [1] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## Adding a AGI (Analog Gauge Interface)

Adding an AGI to the Digital Network requires one open “Device” port. If no open port exists, a Multi-Hub must also be added.

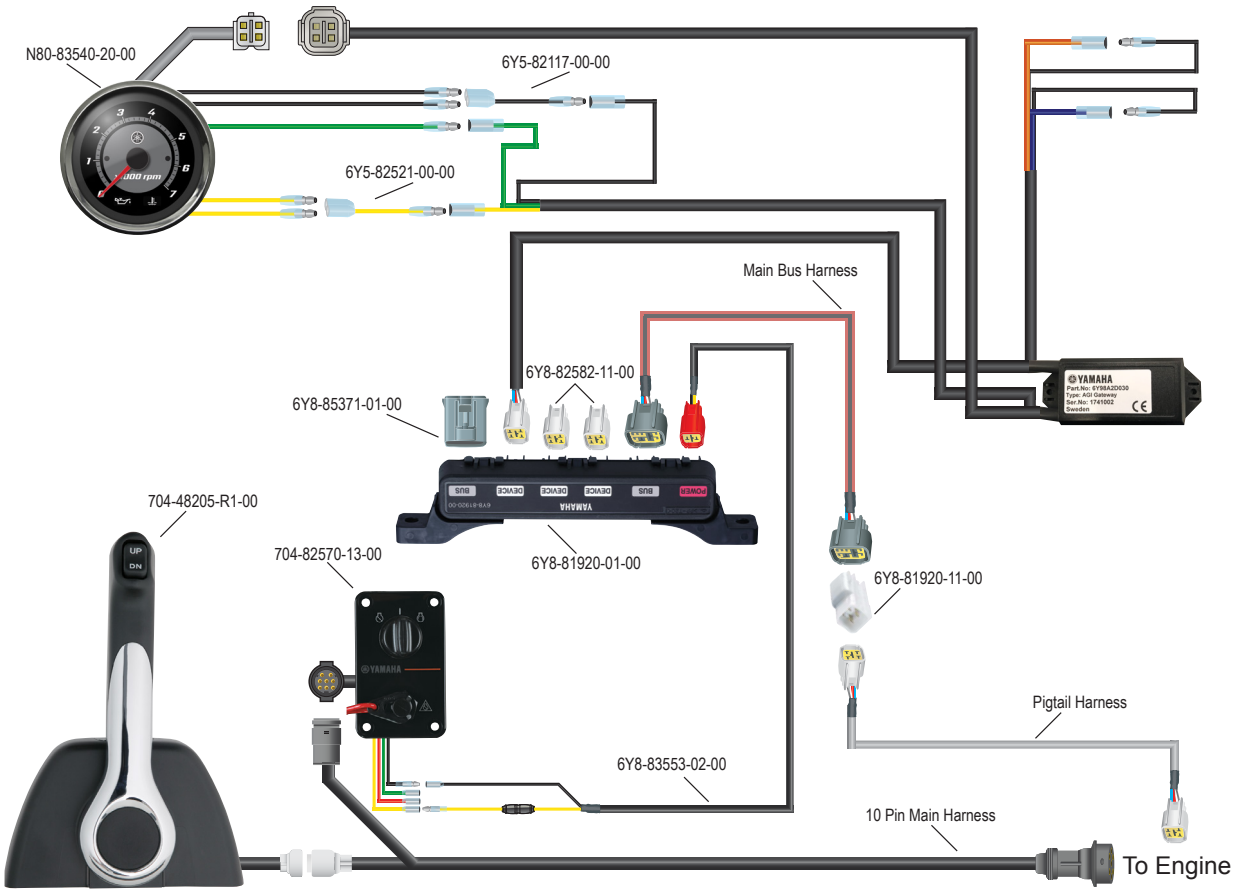



### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Command Link® / Command Link Plus® AGI | 6YH-8A2D0-01-00 |
| 1 | Pigtail Harness | See List [1] |

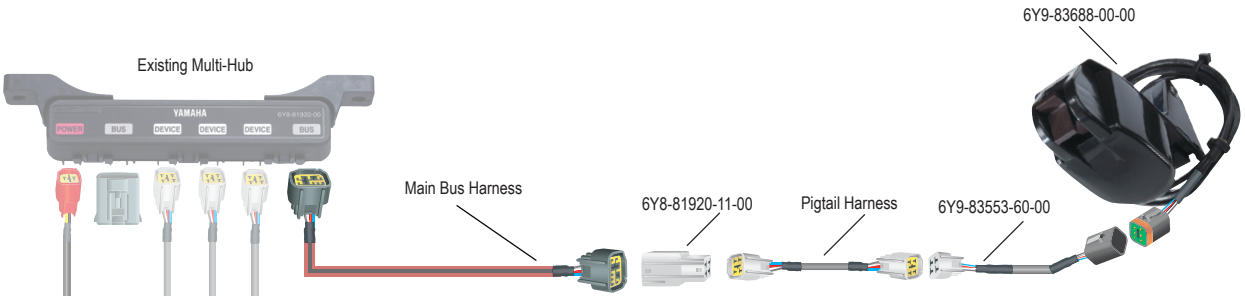
### [1] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |



## Adding a Multisensor

Adding a Multisensor to the Digital Network requires one open “BUS” port. If no open port exists, refer to the diagram on the next page (The “Bus” ports maybe come full with a CLP network installed on a second station).



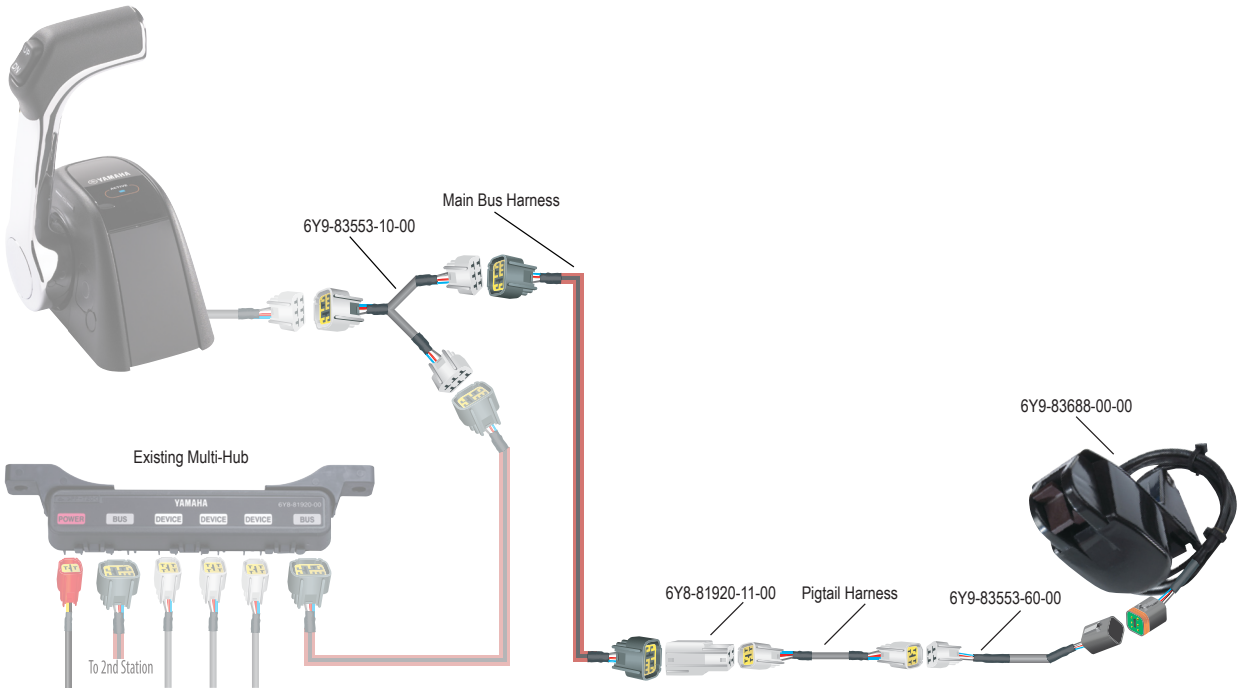

### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Command Link Plus® Multisensor Kit | MAR-3DCER-KT-00 |
| 1 | Main Bus Harness | See List [1] |

**[1] Main Bus Harnesses**

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

Adding a Multisensor to the Digital Network requires one open “BUS” port. When no open port exists refer to this diagram.




### Parts order list for basic installation:

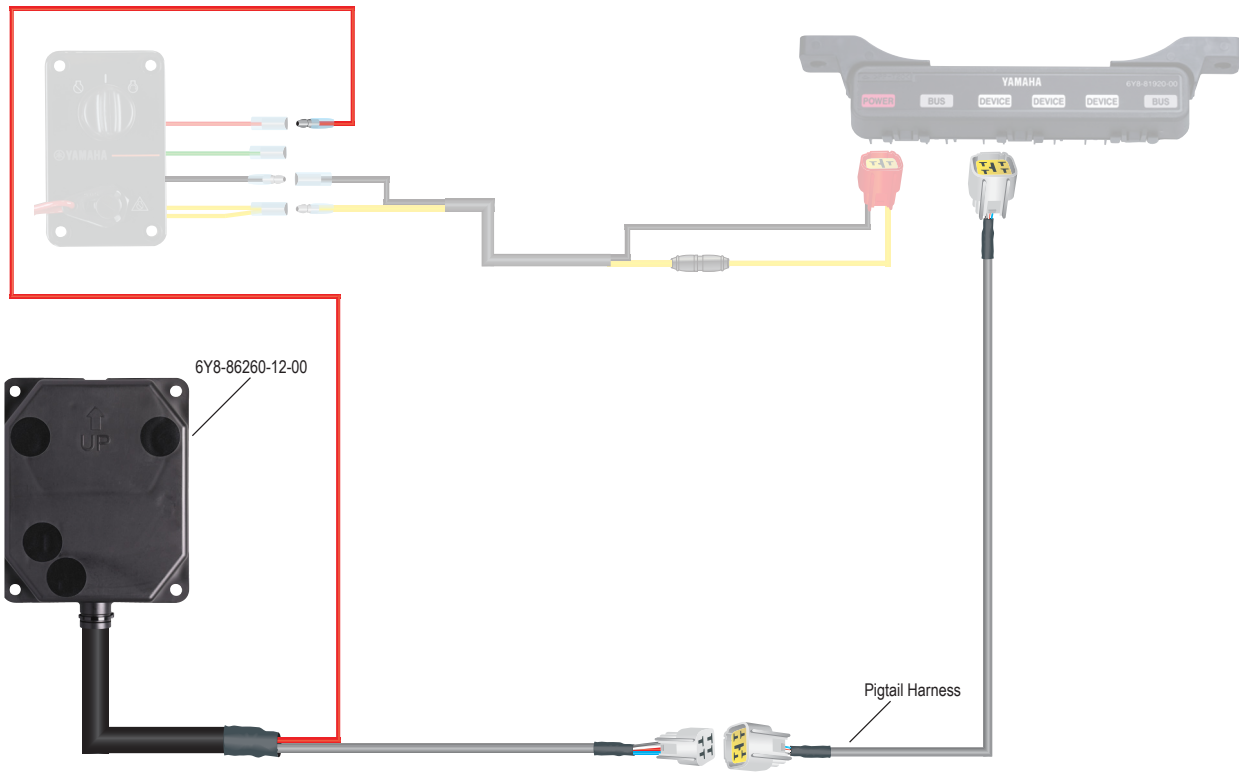
| Quantity | Description | Part Number |
|---|---|---|
| 1 | Command Link Plus® Multisensor Kit | MAR-3DCER-KT-00 |
| 1 | Command Link Plus® Y Adaptor | 6Y9-83553-10-00 |
| 1 | Main Bus Harness | See List[1] |

**[1] Main Bus Harnesses**

| | |
|---|---|
| 1 ft. | 6Y8-82553-01-00 |
| 10 ft. | 6Y8-82553-50-00 |
| 15 ft. | 6Y8-82553-11-00 |
| 20 ft. | 6Y8-82553-21-00 |
| 25 ft. | 6Y8-82553-31-00 |
| 30 ft. | 6Y8-82553-41-00 |

# Y-COP® Installations

## Y-COP® installed with a Single Engine



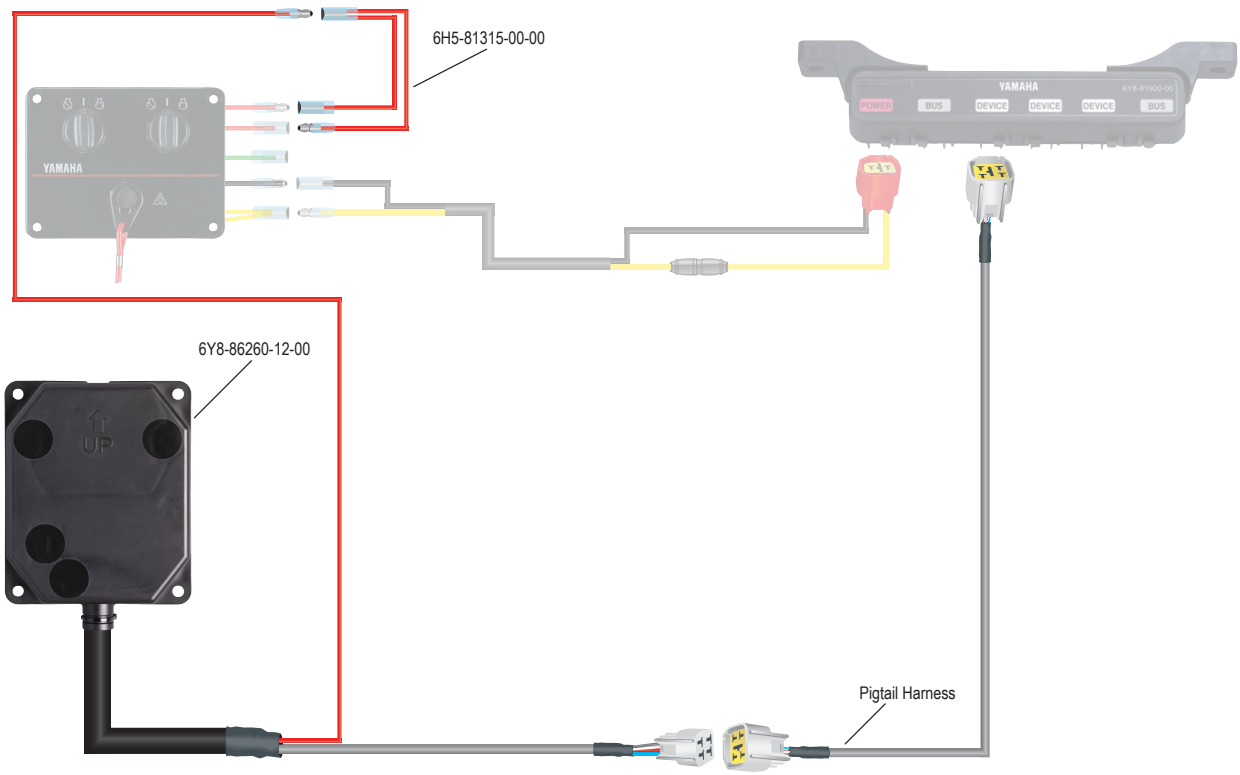

### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Y-COP® Kit | 6Y8-762D0-00-00 |
| 1 | Pigtail Harness | See List[1] |

### [1] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## Y-COP® installed with Twin or Triple installations with Command Link® Main Switches



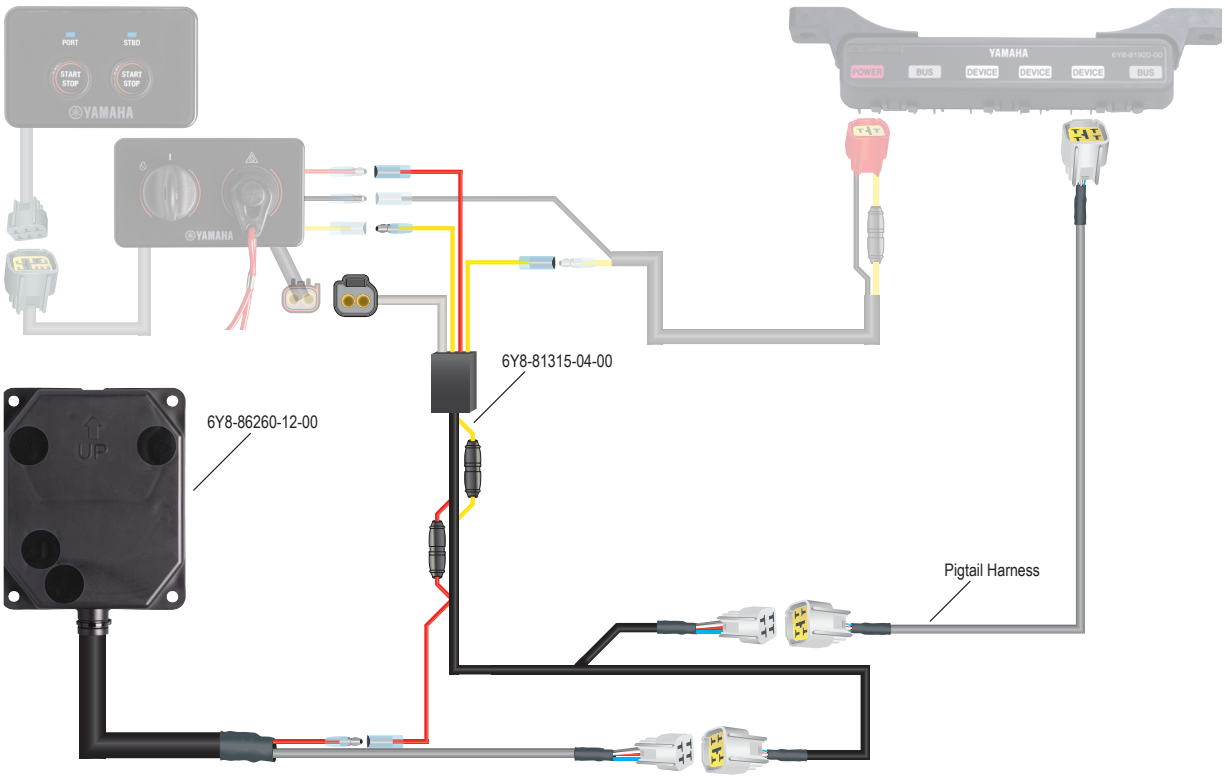

### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Y-COP® Kit | 6Y8-762D0-00-00 |
| 1 | Adaptor Harness | 6H5-81315-00-00 |
| 1 | Pigtail Harness | See List[1] |

### [1] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## Y-COP® installed with Twin or Triple installations with Command Link Plus® Main Switches




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Y-COP® Kit | 6Y8-762D0-00-00 |
| 1 | Adaptor Harness | 6Y8-81315-04-00 |
| 1 | Pigtail Harness | See List [1] |

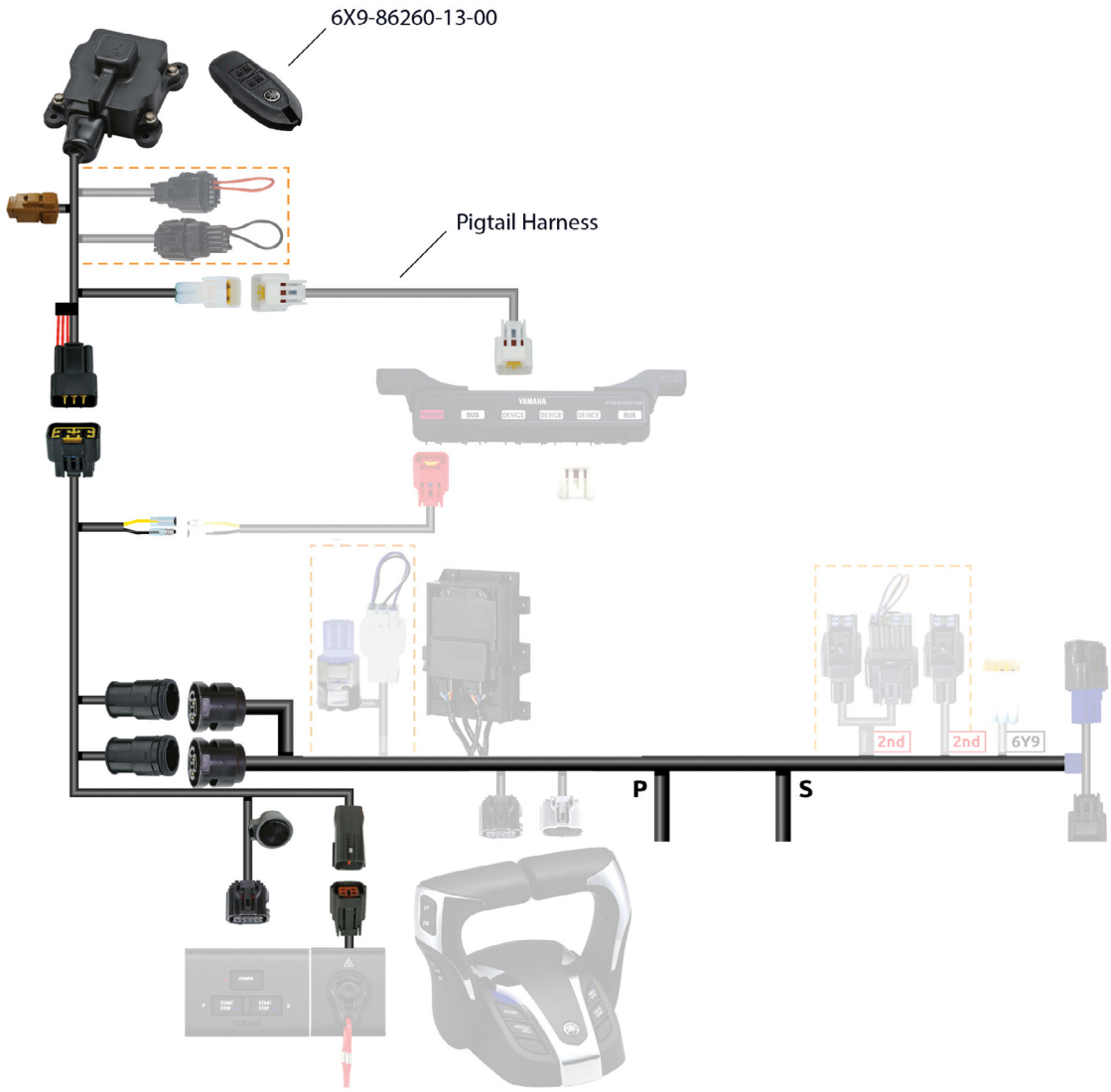
### [1] Pigtail Harnesses

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

# Immobilizer Kit Install

## Helm Master® EX

### Immobilizer Installed with a Twin Engine




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Immobilizer Kit | 6X9-762D0-14-00 |
| 1 | Key Fob & Receiver | 6X9-86260-13-00 |
| 1 | Pigtail Harness | See List[1] |

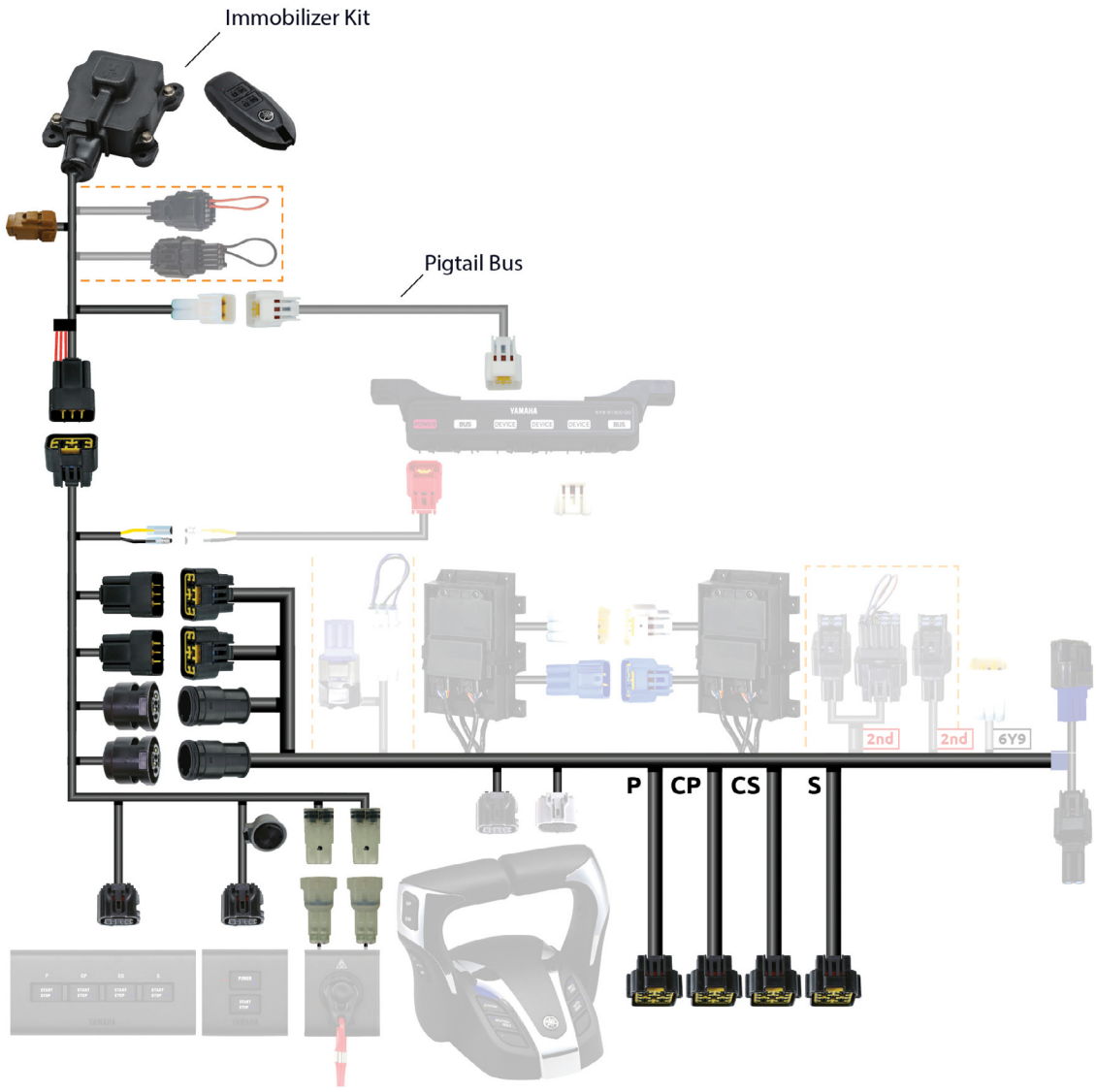
**[1] Pigtail Bus Wire**

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

## Immobilizer Kit Install

## Helm Master® EX

### Immobilizer Installed on a Quad Engine Helm Master® EX




### Parts order list for basic installation:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Immobilizer Kit | 6X9-762D0-14-00 |
| 1 | Key Fob & Receiver | 6X9-86260-13-00 |
| 1 | Pigtail Harness | See List[1] |

**[1] Pigtail Bus Wire**

| | |
|---|---|
| 1 ft. | 6Y8-82521-01-00 |
| 2 ft. | 6Y8-82521-11-00 |
| 3 ft. | 6Y8-82521-21-00 |
| 6 ft. | 6Y8-82521-31-00 |
| 9 ft. | 6Y8-82521-41-00 |
| 12 ft. | 6Y8-82521-51-00 |

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|---|---|
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## Gauges



### MFD Interface Type 1

Yamaha's integrated information systems are simple, The MFD Interface Type-1 mounts under the helm and allows compatible Garmin® MFD's to display engine information and maintain touchscreen functionality.

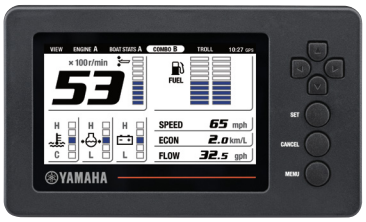
***6YM-8A2D0-11-00***



### MFD Interface Type 2

An MFD Interface Type-2 mounts under the helm and provides Yamaha video data of engine information to Yamaha Approved, third-party MFD's Via an HDMI. An MFD Interface Type 2 must also use NMEA 2000®.

***6YM-8A201-01-00***



### 6YC Information Station

Today's boater demands convenience, and insists on accurate and instant information about boat and outboard systems. With the plethora of modern electronics, the call is for more information and more available dash space than ever before. Yamaha answers the call with the all-new 6YC "Information Station" display.

***6YC-83710-03-00***

Replacement Cover: 6YC-87278-00-00



### CL5 Display

An all-new, thin Yamaha CL5 touchscreen is small in size but big on information and ability. Its sophisticated, modern design features intuitive operation and matches the latest boat console trends, while its compact size leaves more room on the console for other equipment.

***6YM-83710-16-00***



### Command Link Plus®/Command Link® Round Gauges

Yamaha's integrated information systems are simple, streamlined and sophisticated. These new multi network gauges make the rigging process simple as well by working in both Command Link Plus® and Command Link® networks. Allows the use of the NEW F150's Variable Trolling Speed.

***Round Tachometer: 6Y8-8350T-22-00***
***Round Speed Fuel Meter: 6Y8-83500-22-00***

** Part number is for gauge(s) only.*

## Gauges

### Digital Multifunction Tachometer




Accurate information is available to let you fine tune settings to achieve the best overall efficiency and performance for operating conditions. Designed for optimum visibility and long-term durability. Displays: engine rpm, trim angle, oil level, warning lamps, overheat warning lamp, hour meter for trip (reset able) and total operating hours.

***6Y5-8350T-D1-00****

### Digital Multifunction Speedometer




Accurate information is available to let you fine tune settings to achieve the best overall efficiency and performance for operating conditions. Designed for optimum visibility and long-term durability. Displays: Speed, trip, time, fuel, low fuel warning-flashes on the lowest bar, battery voltage reading-displays battery output (10~16 volts) and flashes the readout if the output falls below 12 volts.

***6Y5-83570-A1-00****

### Digital Multifunction Fuel Management Meter




Accurate information is available to let you fine tune settings to achieve the best overall efficiency and performance for operating conditions. Designed for optimum visibility and long-term durability. Displays: Fuel consumption, fuel economy (using speedo or GPS input for readings), fuel contamination warning (when deluxe fuel/water separator is used), engine synchronization (for dual engine applications).

***6Y5-8350F-B1-00****

### Sport Series Analog Speedometer (0-50 MPH)




This four-inch, backlit, analog gauge displays up to 100 KMH and 50 MPH. It features a modern faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-8351A-00-00****
***Silver Face w/ Chrome Bezel - N80-8351A-10-00****
***Black Face w/ Chrome Bezel - N80-8351A-20-00****
***Black Face w/ Black Bezel - N80-8351A-30-00****

### Sport Series Analog Speedometer (0-75 MPH)




This four-inch, backlit, analog gauge displays up to 120 KMH and 75 MPH. It features a modern faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-83510-00-00****
***Silver Face w/ Chrome Bezel - N80-83510-10-00****
***Black Face w/ Chrome Bezel - N80-83510-20-00****
***Black Face w/ Black Bezel - N80-83510-30-00****

** Part number is for gauge(s) only.*

## Gauges



### Sport Series Analog Tachometer

This four-inch, backlit, analog gauge displays engine RPMs up to 7000. It features a modern faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate. All gauge face styles feature warning indicators.

***White Face w/ Chrome Bezel - N80-83540-00-00****
***Silver Face w/ Chrome Bezel - N80-83540-10-00****
***Black Face w/ Chrome Bezel - N80-83540-20-00****
***Black Face w/ Black Bezel - N80-83540-30-00****



### Sport Series Analog Fuel Level Meter

This two-inch, backlit, analog gauge displays fuel tank levels with accuracy and easy readability. It features a modern faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-85750-00-00****
***Silver Face w/ Chrome Bezel - N80-85750-10-00****
***Black Face w/ Chrome Bezel - N80-85750-20-00****
***Black Face w/ Black Bezel - N80-85750-30-00****



### Sport Series Analog Voltage Meter

This two-inch, backlit, analog gauge monitors battery charge level in an easy-to-read format. It features a modern faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-83503-00-00****
***Silver Face w/ Chrome Bezel - N80-83503-10-00****
***Black Face w/ Chrome Bezel - N80-83503-20-00****
***Black Face w/ Black Bezel - N80-83503-30-00****



### Sport Series Analog Water Pressure Meter

This two-inch, backlit, analog gauge monitors outboard water pressure in PSI, to alert you to possible overheating. It features a modern faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-83660-00-00****
***Silver Face w/ Chrome Bezel - N80-83660-10-00****
***Black Face w/ Chrome Bezel - N80-83660-20-00****
***Black Face w/ Black Bezel - N80-83660-30-00****

** Part number is for gauge(s) only.*

## Gauges

### Sport Series Analog Trim Meter



This two-inch, backlit, analog gauge displays trim position to ensure a smooth ride. It features a modern faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-83670-00-00****
***Silver Face w/ Chrome Bezel - N80-83670-10-00****
***Black Face w/ Chrome Bezel - N80-83670-20-00****
***Black Face w/ Black Bezel - N80-83670-30-00****

### Classic Series Analog Speedometer (0-50 MPH)



This four-inch, backlit, analog gauge displays up to 100 KMH and 50 MPH. It features a crisp faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-8351A-40-00****
***Silver Face w/ Chrome Bezel - N80-8351A-50-00****
***Black Face w/ Chrome Bezel - N80-8351A-60-00****
***Black Face w/ Black Bezel - N80-8351A-70-00****

### Classic Series Analog Speedometer (0-75 MPH)



This four-inch, backlit, analog gauge displays up to 120 KMH and 75 MPH. It features a crisp faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-83510-40-00****
***Silver Face w/ Chrome Bezel - N80-83510-50-00****
***Black Face w/ Chrome Bezel - N80-83510-60-00****
***Black Face w/ Black Bezel - N80-83510-70-00****

### Classic Series Analog Tachometer



This four-inch, backlit, analog gauge displays engine RPMs up to 7000. It features a crisp faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate. All gauge face styles feature warning indicators.

***White Face w/ Chrome Bezel - N80-83540-40-00****
***Silver Face w/ Chrome Bezel - N80-83540-50-00****
***Black Face w/ Chrome Bezel - N80-83540-60-00****
***Black Face w/ Black Bezel - N80-83540-70-00****

** Part number is for gauge(s) only.*

## Gauges



### Classic Series Analog Fuel Lever Meter

This two-inch, backlit, analog gauge displays fuel tank levels with accuracy and easy readability. It features a crisp faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-85750-40-00****
***Silver Face w/ Chrome Bezel - N80-85750-50-00****
***Black Face w/ Chrome Bezel - N80-85750-60-00****
***Black Face w/ Black Bezel - N80-85750-70-00****




### Classic Series Analog Voltage Meter

This two-inch, backlit, analog gauge monitors battery charge level in an easy-to-read format. It features a crisp faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-83503-40-00****
***Silver Face w/ Chrome Bezel - N80-83503-50-00****
***Black Face w/ Chrome Bezel - N80-83503-60-00****
***Black Face w/ Black Bezel - N80-83503-70-00****




### Classic Series Analog Water Pressure Meter

This two-inch, backlit, analog gauge monitors outboard water pressure in PSI, to alert you to possible overheating. It features a crisp faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-83660-40-00****
***Silver Face w/ Chrome Bezel - N80-83660-50-00****
***Black Face w/ Chrome Bezel - N80-83660-60-00****
***Black Face w/ Black Bezel - N80-83660-70-00****



### Classic Series Analog Trim Meter

This two-inch, backlit, analog gauge displays trim position to ensure a smooth ride. It features a crisp faceplate design, and comes in either a chrome bezel with black, silver or white faceplates, or a black bezel with a black faceplate.

***White Face w/ Chrome Bezel - N80-83670-40-00****
***Silver Face w/ Chrome Bezel - N80-83670-50-00****
***Black Face w/ Chrome Bezel - N80-83670-60-00****
***Black Face w/ Black Bezel - N80-83670-70-00****

** Part number is for gauge(s) only.*

## Gauges




### Pro Series™ (0-50 MPH) Speedometer

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing. Displays MPH and KM/H.

***6Y5-83510-11-00****




### Pro Series™ (0-75 MPH) MPH Speedometer

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing. Displays MPH and KM/H.

***6Y5-83510-00-00****




### Pro Series™ Tachometer

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing.

***6Y5-83540-14-00****




### Pro Series™ Tachometer for Four-Stroke Engines

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing. Includes oil pressure and overheat warning indicators.

***6Y5-83540-21-00****




### Pro Series™ Tachometer with Two-Stroke Oil Indicators

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing.

***6Y5-83540-06-00****

## Gauges



### Pro Series™ Fuel Level Meter

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing.

***6Y5-85750-11-00****




### Pro Series™ Voltage Meter

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing.

***6Y5-83503-00-00****



### Pro Series™ Water Temperature Meter

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing. Requires temperature sender (688-83591-00-00) for installation.

***6Y5-83590-01-00****




### Pro Series™ Water Pressure Meter

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing. Requires pressure sender (688-83667-00-00) for installation.

***6Y5-83660-10-00****



### Pro Series™ Trim Meter

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions. Direct faceplate illumination on gauges allows for easy night-time viewing. Requires pressure sender.

***2 Wire Sender - 6Y5-83670-13-00****




### Pro Series™ Hour Meter

Yamaha's Pro Series quality instrumentation provides you with high accuracy, and easy readability in virtually all conditions.

***6Y5-83504-11-00****

** Part number is for gauge(s) only.*

# Digital Electronic Control (DEC) Gauge Kits

Yamaha's DEC gauge kits offer you convenient rigging solutions. There are several configurations to meet most applications, and offer a great price advantage over individual components. Most installations will require additional parts, see section 1 for additional rigging information.

## MFD Interface Type 1 Kit

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | MFD Interface Unit<br>For compatible GARMIN® MFD | 6YM-8A2D0-11-00 |




## MFD Interface Type 2 Kit
***MAR-CL000-KT-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Gateway NMEA 2000® Wire Lead | 6YG-82521-00-00 |
| 1 | CL0 Unit & Remote<br>For compatible Third Party MFD | 6YM-8A201-01-00 |
| 1 | HDMI Cable | 6YM-8533A-00-00 |







## MFD Interface Installation Kit
***MAR-CL0D1-KT-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Multi-Hub Assy | 6Y8-81920-01-00 |
| 1 | Cap 1 (4Pin) | 6Y8-82582-11-00 |
| 1 | Wire, Lead | 6YM-8356N-00-00 |
| 1 | Wire, Lead | 6Y9-83553-00-00 |
| 1 | CL0 Conv Harness | 6YM-83553-10-00 |
| 1 | 8ft Power Wire | 6Y8-83553-02-00 |
| 1 | Caution Tag | 6X9-2818R-00-00 |



## CL5 Display Kit
***MAR-CL5DU-KT-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | CL5 Display Unit | 6YM-83710-16-00 |
| 1 | Wire Lead | 6YM-83553-00-00 |





## Digital Electronic Control (DEC) Gauge Kits



### Command Link Plus® CL5/CL7 Display Installation Kit (DEC Engines)
***MAR-CL7D1-KT-30***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Multi-Hub | 6Y8-81920-01-00 |
| 1 | Cap 1, 4 Pin | 6Y8-82582-11-00 |
| 1 | Power Lead, 8ft. | 6Y8-83553-02-00 |
| 1 | Main Bus Harness | 6Y9-83553-00-00 |
| 1 | Fuel Tank Sender Lead | 6YD-8356N-00-00 |



### Command Link Plus® Installation Kit
***MAR-CLPDI-KT-10***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Wire Lead for GPS | 6Y9-8356N-01-00 |
| 1 | Wire Lead for Fuel Tank Sender | 6Y9-8356N-10-00 |
| 1 | Wire Lead for CLP, Control Box to Main Bus | 6Y9-83553-00-00 |
| 1 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 2 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Power Lead, 8ft. | 6Y8-83553-02-00 |
| 1 | Wiring Diagram | 6Y9-2819K-E0-00 |



### 6YC Display Single/Twin Engine DEC Kit
***6X6-0E83C-00-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6YC Display | 6YC-83710-03-00 |
| 1 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 2 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Power Lead, 8ft. | 6Y8-83553-02-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | Wire Lead for CLP, Control Box to Main Bus | 6Y9-83553-00-00 |
| 1 | 6YC Meter Guide | 6YC-2819U-70-E0 |

*(Most installations will require additional parts, see section 2 for additional rigging information)*

# Digital Electronic Control (DEC) Gauge Kits

## DEC Single Engine Main Station Command Link® Kit

***Round Two Gauge Kit: 6X6-0E83R-21-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Tachometer Assy. | 6Y8-8350T-22-00 |
| 1 | Meter Assy. (Speed/Fuel) | 6Y8-83500-22-00 |
| 1 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | Power Lead, 8 ft. | 6Y8-83553-02-00 |
| 1 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |
| 1 | CLP wire 1ft | 6Y9-83553-00-00 |
| 1 | Main Bus Harness, 1ft | 6Y8-82553-01-00 |



## DEC Twin Engine Main Station Command Link® Kit

***Round Three Gauge Kit: 6X6-0E83R-31-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 2 | Tachometer Assy. | 6Y8-8350T-22-00 |
| 1 | Meter Assy. (Speed/Fuel) | 6Y8-83500-22-00 |
| 1 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | Power Lead, 8 ft. | 6Y8-83553-02-00 |
| 1 | Main Bus Harness, 1ft | 6Y8-82553-01-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |
| 1 | CLP wire 1ft | 6Y9-83553-00-00 |



## DEC Triple Engine Main Station Command Link® Kit

***Round Four Gauge Kit: 6X6-0E83R-41-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 3 | Tachometer Assy. | 6Y8-8350T-22-00 |
| 1 | Meter Assy. (Speed/Fuel) | 6Y8-83500-22-00 |
| 2 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | Power Lead, 8 ft. | 6Y8-83553-02-00 |
| 1 | Cap, 2 Pin | 6Y8-82582-01-00 |
| 2 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 2 | Main Bus Harness, 1ft | 6Y8-82553-01-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |
| 1 | CLP wire 1ft | 6Y9-83553-00-00 |



*(Most installations will require additional parts, see section 2 for additional rigging information)*

# Command Link® Single Engine Gauge Kits



### Command Link® Single Engine Gauge Kit

*(This kit DOES NOT allow for accessories like a gateway to be added)*

***Round One Gauge Kit: 6Y8-0E83R-81-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Tachometer Assy. | 6y8-8350t-22-00 |
| 1 | Orange Main Bus With Power Lead (14ft) | 6Y8-82553-60-00 |
| 1 | Dual Fuse Harness | 6Y8-83553-N1-00 |
| 1 | Pigtail Harness, 2ft. | 6Y8-82521-11-00 |
| 1 | Pigtail Harness, 12 ft. | 6Y8-82521-51-00 |
| 2 | Single Hub | 6Y8-81920-11-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |



### Command Link® Single Engine Gauge Kit

***Round One Gauge Kit: 6Y8-0E83R-61-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Tachometer Assy. | 6y8-8350t-22-00 |
| 2 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | Power Lead, 8 ft. | 6Y8-83553-02-00 |
| 1 | Cap, 2 Pin | 6Y8-82582-01-00 |
| 4 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Pigtail Harness, Engine to Rear Hub, 9 ft. | 6Y8-82521-41-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |



### Command Link® Single Engine Gauge Kit

*(This kit DOES NOT allow for accessories like a gateway to be added)*

***Round Two Gauge Kit: 6Y8-0E83R-91-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Tachometer Assy. | 6y8-8350t-22-00 |
| 1 | Meter Assy. (Speed/Fuel) | 6y8-83500-22-00 |
| 1 | Y-Split | 6Y8-82521-80-00 |
| 1 | Dual Fuse Harness | 6Y5-83553-N1-00 |
| 1 | Orange Main Bus With Power Lead (14ft) | 6Y8-82553-60-00 |
| 2 | Single Hub | 6Y8-81920-11-00 |
| 1 | Pigtail Harness, 12 ft. | 6Y8-82521-51-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | Module 1 Sensor | 60V-8A4L1-1C-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |

*(Most installations will require additional parts, see section 2 for additional rigging information)*

# Command Link® Single Engine Gauge Kits

## Command Link® Single Engine Gauge Kit

***Round Two Gauge Kit: 6Y8-0E83R-71-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Tachometer Assy. | 6y8-8350t-22-00 |
| 1 | Meter Assy. (Speed/Fuel) | 6y8-83500-22-00 |
| 1 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | In-Line Hub | 6Y8-81920-11-00 |
| 1 | Power Lead, 8 ft. | 6Y8-83553-02-00 |
| 1 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Module 1 Sensor | 60V-8A4L1-1C-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | Pigtail Harness, Engine to Rear Hub, 6 ft. | 6Y8-82521-31-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |



## Command Link® Single Engine Gauge Kit

***Round Two Gauge Kit: 6Y8-0E83R-41-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Tachometer Assy. | 6Y8-8350T-22-00 |
| 1 | Meter Assy. (Speed/Fuel) | 6Y8-83500-22-00 |
| 2 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | Power Lead, 8 ft. | 6Y8-83553-02-00 |
| 1 | Cap, 2 Pin | 6Y8-82582-01-00 |
| 3 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Module 1 sensor | 60V-8A4L1-1C-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | Pigtail Harness, Engine to Rear Hub, 12 ft. | 6Y8-82521-51-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |



## Command Link® Single Engine 6YC Display Kit with In-Line Hub

***6YC Kit: 6YC-0E83C-30-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6YC Display | 6YC-83710-03-00 |
| 1 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | In-Line Hub | 6Y8-81920-11-00 |
| 2 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Power Lead. 8 ft. | 6Y8-83553-02-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | 6 ft. Pig Tail, Engine to rear hub | 6Y8-82521-31-00 |
| 1 | Module 1 Sensor | 60V-8A4L1-1C-00 |
| 1 | 6YC Meter Guide | 6YC-2819U-70-E0 |



*(Most installations will require additional parts, see section 2 for additional rigging information)*

## Command Link® Single Engine Gauge Kits



### Command Link® Single/Twin Engine 6YC Display Kit

***6YC Kit: 6YC-0E83C-00-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6YC Display | 6YC-83710-03-00 |
| 2 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 4 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Cap, 2 Pin | 6Y8-82582-01-00 |
| 1 | Power Lead. 8 ft. | 6Y8-83553-02-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | 12 ft. Pig Tail, Engine to rear hub | 6Y8-82521-51-00 |
| 1 | Module 1 Sensor | 60V-8A4L1-1C-00 |
| 1 | 6YC Meter Guide | 6YC-2819U-70-E0 |



### Command Link® Single Engine 6YC Display Kit with 704 Control Box

***6YC Kit: 6YC-0E83C-10-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6YC Display | 6YC-83710-03-00 |
| 1 | 704 Single Binnacle Control Box | 704-48205-R1-00 |
| 1 | Single Engine Main Switch | 704-82570-13-00 |
| 2 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 4 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Cap, 2 Pin | 6Y8-82582-01-00 |
| 1 | Power Lead. 8 ft. | 6Y8-83553-02-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | 12 ft. Pig Tail, Engine to rear hub | 6Y8-82521-51-00 |
| 1 | 23ft. 10 Pin Main Harness | 688-8258A-70-00 |
| 1 | Module 1 Sensor | 60V-8A4L1-1C-00 |
| 1 | 6YC Meter Guide | 6YC-2819U-70-E0 |

*(Most installations will require additional parts, see section 2 for additional rigging information)*

# Command Link® Twin Engine Gauge Kits

## Command Link® Twin Engine Gauge Kit with 704 Control Box

***Round Three Gauge Kit: 6Y8-0E83R-51-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 2 | Tachometer Assy. | 6Y8-8350T-22-00 |
| 1 | Meter Assy. (Speed/Fuel) | s6Y8-83500-22-00 |
| 2 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 1 | Power Lead, 8 ft. | 6Y8-83553-02-00 |
| 1 | Cap, 2 Pin | 6Y8-82582-01-00 |
| 1 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Module 1 Sensor | 60V-8A4L1-1C-00 |
| 1 | 704 Twin Engine Binnacle Control Box | 704-48207-R1-00 |
| 1 | Twin Engine Main Switch Panel Assembly | 6Y8-82570-05-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 1 | Main Wire Harness, 10 Pin, 26.2 ft. | 6K1-8258A-41-00 |
| 1 | Main Wire Harness, 10 Pin, 31.2 ft. | 61B-8258A-02-00 |
| 2 | Pigtail Harness, Engine to Rear Hub, 12 ft. | 6Y8-82521-51-00 |
| 1 | User Operation Guide | 6Y8-2819W-70-E0 |



## Command Link® Twin Engine 6YC Display Kit with 704 Control Box

***6YC Kit: 6YC-0E83C-20-00***

Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6YC Display | 6YC-83710-03-00 |
| 1 | 704 Twin Binnacle Control Box | 704-48207-R1-00 |
| 1 | Twin Engine Main Switch | 6Y8-82570-05-00 |
| 2 | Multi-Hub Assembly | 6Y8-81920-01-00 |
| 3 | Cap, 4 Pin | 6Y8-82582-11-00 |
| 1 | Cap, 2 Pin | 6Y8-82582-01-00 |
| 1 | Power Lead. 8 ft. | 6Y8-83553-05-00 |
| 1 | Fuel Sender and GPS Wire Lead | 6Y8-8356N-01-00 |
| 2 | 12 ft. Pig Tail, Engine to rear hub | 6Y8-82521-51-00 |
| 1 | 31ft. 10 Pin Main Harness | 61B-8258A-02-00 |
| 1 | 26ft. 10 Pin Main Harness | 6K1-8258A-41-00 |
| 1 | Module 1 Sensor | 60V-8A4L1-1C-00 |
| 1 | 6YC Meter Guide | 6YC-2819U-70-E0 |



*(Most installations will require additional parts, see section 2 for additional rigging information)*

## Multifunction Gauge Kits






*For twin engines add one (1) 6Y5-85752-02-00

**Multifunction Single Engine Fuel Management Kit***
***Multifunction One Gauge Kit: 6Y8-W0088-56-00***
Kit Includes:

| Qty | Description | Part Number |
|---|---|---|
| 1 | Multifunction Fuel Management Gauge | 6Y5-8350F-B1-00 |
| 1 | Fuel Flow Sensor Harness, 8.0m | 6Y5-83553-F1-00 |
| 1 | Fuel Flow Sensor | 6Y5-85752-02-00 |
| 2 | Screw | 90158-06003-00 |
| 1 | Wire Extension | 703-82531-00-00 |
| 1 | Wire Lead | 6Y5-82117-00-00 |
| 2 | Clamp | 90465-10098-00 |

*(Most installations will require additional parts, see section 2 for additional rigging information)*

# Helm Master® EX Main Station Kits

## Single Engine Main Station Kit

YDIS Connection (BPS Scan Port Harness): 90890-06979-00



Level 1 through Level 4 Includes:

### Level 1

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6X9 Single Binnacle | 6X9-48205-20-00 |
| 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 1 | CL5 Display | 6YM-83710-16-00 |
| 1 | Conversion Harness | 6YM-83553-00-00 |
| 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 1 | Multi-hub | 6Y8-81920-01-00 |
| 1 | Conversion Harness | 6Y9-83553-00-00 |
| 1 | Main Bus Wire | See Page 4-5 |
| 2 | Pigtail Bus Wire | See Page 4-5 |
| 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| | EKS Kit | 6X9-762B0-47-00 |
| 1 | Power Switch Assy | 6X9-82570-01-00 |
| 1 | EKS Harness | 6X9-82716-21-00 |
| 1 | Emergency Stop Switch | 6X9-82570-70-00 |
| 1 | Key Fob and Receiver Assy | 6X9-762D0-14-00 |
| 1 | Main-Harness (16P) | See Page 4-5 |

### Level 2

| Qty | Description | Part Number |
|---|---|---|
| 1 | Steering Kit | 6X9-762S0-03-00 |
| 1 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 1 | Split Harness | 6X9-8258A-90-00 |
| 1 | Steering Actuator Harness | See Page 4-3 |
| 1 | Main-Harness (16P) | See Page 4-5 |
| 1 | Helm and Tilt kit | 6GR-762H0-10-00 |
| 1 | Helm Unit Assy | 6GR-615A0-10-00 |
| 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 1 | Helm Unit Assy | 6X9-762H0-10-00 |
| 1 | Helm harness (Main/Single) | See Page 4-2 |

### Level 3

| Qty | Description | Part Number |
|---|---|---|
| 1 | Autopilot Kit | 6X9-762P0-07-00 |
| 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 1 | GPS Unit | 6X9-88107-02-00 |
| 1 | Heading Sensor | 6X9-8A410-01-00 |
| 1 | BCU | 6X9-8591T-13-00 |
| 1 | Single Hub | 6Y8-81920-11-00 |
| 1 | BCU Harness | 6X9-82386-01-00 |
| 2 | Conversion Harness | 6YM-83553-00-00 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | BCU Harness Extension | See Page 4-3 (Optional) |

### Level 4

| Qty | Description | Part Number |
|---|---|---|
| 1 | Joystick Kit | MAR-762J0-40-00 |
| 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |
| 2 | LED Assy (prop lights) | 6ES-83720-02-00 |
| 1 | Extension Harness | See Page 4-1 |

*Joystick Controller Assy ALTERNATIVE PART NUMBER 6X9-482A0-10-00 (BLACK)

See Page number for Size Option's

# Helm Master® EX Main Station Kits

## Twin Engine Main Station Kit

YDIS Connection (BPS Scan Port Harness): 90890-06979-00



Level 1 through Level 4 Includes:

### Level 1

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6X9 Twin DEC | 6X9-48207-20-00 |
| 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 1 | CL5 Display | 6YM-83710-16-00 |
| 1 | Conversion Harness | 6YM-83553-00-00 |
| 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 1 | Multi-Hub | 6Y8-81920-01-00 |
| 1 | Conversion Harness | 6Y9-83553-00-00 |
| 1 | Main Bus Wire | See Page 4-5 |
| 2 | Pigtail Bus Wire | See Page 4-5 |
| 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| 1 | EKS Kit | 6X9-762B0-57-00 |
| 1 | Power Switch | 6X9-82570-11-00 |
| 1 | EKS Harness | 6X9-82716-32-00 |
| 1 | Emergency Stop SW | 6X9-82570-80-00 |
| 1 | Key Fob and Receiver Assembly | 6X9-762D0-14-00 |
| 1 | Main-Harness (16P) | See Page 4-5 |

### Level 2

| Qty | Description | Part Number |
|---|---|---|
| 2 | Steering Kit | 6X9-762S0-03-00 |
| 2 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 2 | Split Harness | 6X9-8258A-90-00 |
| 2 | Steering Actuator Harness | See Page 4-3 |
| 2 | Main-Harness (16P) | See Page 4-5 |
| 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 2 | Helm Harness (Main/Multi) | See Page 4-2 |
| 2 | SCU Link Harness (Port/Stbd) | See Page 4-3 |
| 1 | SCU Link Harness (Center) | See Page 4-3 |

### Level 3

| Qty | Description | Part Number |
|---|---|---|
| 1 | Autopilot Kit | 6X9-762P0-07-00 |
| 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 1 | GPS Unit | 6X9-88107-02-00 |
| 1 | Heading Sensor | 6X9-8A410-01-00 |
| 1 | BCU | 6X9-8591T-13-00 |
| 1 | Single Hub | 6Y8-81920-11-00 |
| 1 | BCU Harness | 6X9-82386-01-00 |
| 2 | Conversion harness | 6YM-83553-00-00 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | BCU Harness Extension | See Page 4-3 (Optional) |

### Level 4

| Qty | Description | Part Number |
|---|---|---|
| 1 | Joystick Kit | MAR-762J0-50-00 |
| 1 | *Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |
| 2 | LED Assy (prop Lights) | 6ES-83720-02-00 |
| 1 | BCU | 6X9-8591T-24-00 |
| 2 | Extension Harness | See Page 4-1 |

*Joystick Controller Assy ALTERNATIVE PART NUMBER 6X9-482A0-10-00 (BLACK)

See Page number for Size Option's

# Helm Master® EX Main Station Kits

## Triple Engine Main Station Kit

YDIS Connection (BPS Scan Port Harness): 90890-06979-00



Level 1 through Level 4 Includes:

### Level 1

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6X9 Triple DEC | 6X9-48208-10-00 |
| 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 1 | CL5 Display | 6YM-83710-16-00 |
| 1 | Conversion Harness | 6YM-83553-00-00 |
| 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 1 | Multi-Hub | 6Y8-81920-01-00 |
| 1 | Conversion Harness | 6Y9-83553-00-00 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| 2 | 4-Pin Waterproof Cap | 6Y8-82582-11-00 |
| 1 | Switch Kit | 6X9-762B0-67-00 |
| 1 | Power Switch | 6X9-82570-01-00 |
| 1 | EKS Harness | 6X9-82716-41-00 |
| 1 | Individual Start/Stop SW | 6X9-82570-41-00 |
| 1 | Emergency Stop SW | 6X9-82570-C0-00 |
| 1 | Key Fob and Receiver Assy | 6X9-762D0-14-00 |
| 1 | Pigtail Bus Wire | See Page 4-5 |

### Level 2

| Qty | Description | Part Number |
|---|---|---|
| 3 | Steering Kit | 6X9-762S0-03-00 |
| 3 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 3 | Split Harness | 6X9-8258A-90-00 |
| 3 | Steering Actuator Harness | See Page 4-3 |
| 3 | Main-Harness (16P) | See Page 4-5 |
| 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 2 | Helm Harness (Main/Multi) | See Page 4-2 |
| 2 | SCU Link Harness (Port/Stbd) | See Page 4-3 |
| 1 | SCU Link Harness (Center) | See Page 4-3 |

### Level 3

| Qty | Description | Part Number |
|---|---|---|
| 1 | Autopilot Kit | 6X9-762P0-07-00 |
| 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 1 | GPS Unit | 6X9-88107-02-00 |
| 1 | Heading Sensor | 6X9-8A410-01-00 |
| 1 | BCU | 6X9-8591T-13-00 |
| 1 | Single Hub | 6Y8-81920-11-00 |
| 1 | BCU Harness | 6X9-82386-01-00 |
| 2 | Conversion Harness | 6YM-83553-00-00 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | BCU Harness Extension | See Page 4-3 (Optional) |

### Level 4

| Qty | Description | Part Number |
|---|---|---|
| 1 | Joystick Kit | MAR-762J0-60-00 |
| 1 | *Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |
| 2 | LED Assy (prop Lights) | 6ES-83720-02-00 |
| 1 | BCU | 6X9-8591T-33-00 |
| 2 | Extension Harness | See Page 4-1 |

*Joystick Controller Assy ALTERNATIVE PART NUMBER 6X9-482A0-10-00(BLACK)

See Page number for Size Option's

# Helm Master® EX Main Station Kits

## Quad Engine Main Station

YDIS Connection (BPS Scan Port Harness): 90890-06979-00



Level 1 through Level 4 Includes:

### Level 1

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6X9 Quad DEC | 6X9-48209-10-00 |
| 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 1 | CL5 Display | 6YM-83710-16-00 |
| 1 | Conversion Harness | 6YM-83553-00-00 |
| 1 | CL7/CL5 Install Kit | MAR-CL7D1-KT-30 |
| 1 | Fuel Tank Wire | 6YD-8356N-00-00 |
| 1 | Multi-Hub | 6Y8-81920-01-00 |
| 1 | Conversion Harness | 6Y9-83553-00-00 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | System Power Supply Wire | 6Y8-83553-02-00 |
| 2 | 4-pin Waterproof Cap | 6Y8-82582-11-00 |
| 1 | EKS Kit | 6X9-762B0-77-00 |
| 1 | Power Switch | 6X9-82570-01-00 |
| 1 | EKS Harness | 6X9-82716-91-00 |
| 1 | Individual Start/Stop SW | 6X9-82570-51-00 |
| 1 | Emergency Stop SW | 6X9-82570-D0-00 |
| 1 | Key Fob and Receiver Assy | 6X9-762D0-14-00 |
| 1 | Pigtail Bus Wire | See Page 4-5 |

### Level 2

| Qty | Description | Part Number |
|---|---|---|
| 4 | Steering Kit | 6X9-762S0-03-00 |
| 4 | Bolt-on Steering Actuator | 6X9-42401-11-00 |
| 4 | Split Harness | 6X9-8258A-90-00 |
| 4 | Steering Actuator Harness | See Page 4-3 |
| 4 | Main-Harness (16P) | See Page 4-5 |
| 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 1 | Helm Unit Assembly | 6X9-762H0-10-00 |
| 2 | Helm Harness (Main/Multi) | See Page 4-2 |
| 3 | Pigtail Bus Wire | See Page 4-5 |
| 2 | SCU Link Harness (Center) | See Page 4-3 |
| 2 | SCU Link Harness (Port/Stbd) | See Page 4-3 |
| 4 | Main-Harness (16P) | See Page 4-5 |

### Level 3

| Qty | Description | Part Number |
|---|---|---|
| 1 | Autopilot Kit | 6X9-762P0-07-00 |
| 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 1 | GPS Unit | 6X9-88107-02-00 |
| 1 | Heading Sensor | 6X9-8A410-01-00 |
| 1 | BCU | 6X9-8591T-13-00 |
| 1 | Single Hub | 6Y8-81920-11-00 |
| 1 | BCU harness | 6X9-82386-01-00 |
| 2 | Conversion harness | 6YM-83553-00-00 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | BCU Harness Extension | See Page 4-3 (optional) |

### Level 4

| Qty | Description | Part Number |
|---|---|---|
| 1 | Joystick Kit | MAR-762J0-70-00 |
| 1 | *Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |
| 2 | LED Assy (prop Lights) | 6ES-83720-02-00 |
| 1 | BCU | 6X9-8591T-44-00 |
| 2 | Extension Harness | See Page 4-1 |

*Joystick controller assy ALTERNATIVE PART NUMBER 6X9-482A0-10-00 (BLACK)

See Page number for Size Option's

# Helm Master® EX Second Station Kits

## Single Engine Second Station Kit

YDIS Connection (BPS Scan Port Harness): 90890-06979-00



Level 1 through Level 4 Includes:

### Level 1

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6X9 Single Binnacle | 6X9-48205-30-00 |
| 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 1 | CL5 Display | 6YM-83710-16-00 |
| 1 | Conversion Harness | 6YM-83553-00-00 |
| 1 | EKS Kit | 6X9-762B0-80-00 |
| 1 | Start/Stop SW | 6X9-82570-B1-00 |
| 1 | EKS Harness | 6X9-82716-60-00 |
| 1 | Emergency Stop SW | 6X9-82570-70-00 |
| 1 | Rigging Components Needed | |
| 1 | Single-hub | 6Y8-81920-11-00 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | 2nd Helm Harness | See Page 4-1 |

### Level 2

| Qty | Description | Part Number |
|---|---|---|
| 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 1 | Helm Unit Assembly | 6X9-762H0-10-00* |
| 1 | Helm Harness (2nd station) | 6X9-8258A-B1-00* |

*Not Included in Kit

### Level 3

| Qty | Description | Part Number |
|---|---|---|
| 1 | Autopilot Kit | 6X9-762P0-11-00 |
| 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 1 | BCU Harness | 6X9-82386-10-00 |
| 1 | BCU Harness Extension | See Page 4-3 (Optional) |

### Level 4

| Qty | Description | Part Number |
|---|---|---|
| 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |

*Joystick Controller Assy ALTERNATIVE PART NUMBER 6X9-482A0-10-00 (BLACK)

See Page number for Size Option's

# Helm Master® EX Second Station Kits

## Twin Engine Second Station Kit

YDIS Connection (BPS Scan Port Harness): 90890-06979-00



Level 1 through Level 4 Includes:

### Level 1

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6X9 Twin DEC | 6X9-48207-30-00 |
| 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 1 | CL5 Display | 6YM-83710-16-00 |
| 1 | Conversion Harness | 6YM-83553-00-00 |
| 1 | EKS Kit | 6X9-762B0-92-00 |
| 1 | All Start/Stop SW | 6X9-82570-B1-00 |
| 1 | Individual Start/Stop SW | 6X9-82570-31-00 |
| 1 | Emergency Stop SW | 6X9-82570-80-00 |
| 1 | Rigging components needed | |
| 1 | Single-hub | 6Y8-81920-11-00 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | 2nd Helm Harness (Port) | See Page 4-1 |
| 1 | 2nd Helm Harness (Stbd) | See Page 4-2 |

### Level 2

| Qty | Description | Part Number |
|---|---|---|
| 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 1 | Helm Unit Assembly | 6X9-762H0-10-00* |
| 1 | Helm Harness (2nd station) | 6X9-8258A-B1-00* |

*Not Included in Kits

### Level 3

| Qty | Description | Part Number |
|---|---|---|
| 1 | Autopilot Kit | 6X9-762P0-11-00 |
| 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 1 | BCU Harness | 6X9-82386-10-00 |
| 1 | BCU Harness Extension | See Page 4-3 (Optional) |

### Level 4

| Qty | Description | Part Number |
|---|---|---|
| 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |

*Joystick Controller Assy ALTERNATIVE PART NUMBER 6X9-482A0-10-00 (BLACK)

See Page number for Size Option's

# Helm Master® EX Second Station Kits

## Triple Engine Second Station Kit

YDIS Connection (BPS Scan Port Harness): 90890-06979-00



Level 1 through Level 4 Includes:

### Level 1

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6X9 Triple DEC | 6X9-48207-30-00 |
| 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 1 | CL5 Display | 6YM-83710-16-00 |
| 1 | Conversion Harness | 6YM-83553-00-00 |
| 1 | EKS Kit | 6X9-762B0-A1-00 |
| 1 | All Start/Stop SW | 6X9-82570-B1-00 |
| 1 | Individual Start/Stop SW | 6X9-82570-41-00 |
| 1 | EKS Harness | 6X9-82716-80-00 |
| 1 | Emergency Stop SW | 6X9-82570-C0-00 |
| 1 | Rigging Components | |
| 1 | Single-hub | 6Y8-81920-11-00 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | 2nd Helm Harness (Port) | See Page 4-1 |
| 1 | 2nd Helm Harness (Stbd) | See Page 4-2 |
| 1 | 2nd Helm Harness (Center) | See Page 4-2 |

### Level 2

| Qty | Description | Part Number |
|---|---|---|
| 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 1 | Helm Unit Assembly | 6X9-762H0-10-00* |
| 1 | Helm Harness (2nd Station) | 6X9-8258A-B1-00* |

*Not Included in Kit

### Level 3

| Qty | Description | Part Number |
|---|---|---|
| 1 | Autopilot Kit | 6X9-762P0-11-00 |
| 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 1 | BCU Harness | 6X9-82386-10-00 |
| 1 | BCU Harness Extension | See Page 4-3 |

### Level 4

| Qty | Description | Part Number |
|---|---|---|
| 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |

*Joystick Controller Assy ALTERNATIVE PART NUMBER 6X9-482A0-10-00 (BLACK)

See Page number for Size Option's

# Helm Master® EX Second Station Kits

## Quad Engine Second Station Kit

YDIS Connection (BPS Scan Port Harness): 90890-06979-00



Level 1 through Level 4 Includes:

### Level 1

| Qty | Description | Part Number |
|---|---|---|
| 1 | 6X9 QUAD DEC | 6X9-48207-30-00 |
| 1 | Gauge Kit | MAR-CL5DU-KT-00 |
| 1 | CL5 Display | 6YM-83710-16-00 |
| 1 | Conversion Harness | 6YM-83553-00-00 |
| 1 | EKS Kit | 6X9-762B0-B1-00 |
| 1 | All Start/Stop SW | 6X9-82570-B1-00 |
| 1 | Individual Start/Stop SW | 6X9-82570-51-00 |
| 1 | EKS Harness | 6X9-82716-A0-00 |
| 1 | Emergency Stop SW | 6X9-82570-D0-00 |
| 1 | Rigging Components | |
| 1 | Single-hub | 6Y8-81920-11-00 |
| 1 | Pigtail Bus Wire | See Page 4-5 |
| 1 | Main Bus Wire | See Page 4-5 |
| 1 | 2nd Helm Harness (Port) | See Page 4-1 |
| 1 | 2nd Helm Harness (Stbd) | See Page 4-2 |
| 2 | 2nd Helm Harness (Center) | See Page 4-2 |

### Level 2

| Qty | Description | Part Number |
|---|---|---|
| 1 | Helm and Tilt Kit | 6GR-762H0-10-00 |
| 1 | Helm Unit Assembly | 6GR-615A0-10-00 |
| 1 | Tilt Helm Unit | 6GR-6154A-00-00 |
| 1 | Helm Unit Assembly | 6X9-762H0-10-00* |
| 1 | Helm Harness (2nd Station) | 6X9-8258A-B1-00* |

*Not Included in Kit

### Level 3

| Qty | Description | Part Number |
|---|---|---|
| 1 | Autopilot Kit | 6X9-762P0-11-00 |
| 1 | Autopilot Panel | 6X9-8253V-01-00 |
| 1 | BCU Harness | 6X9-82386-10-00 |
| 1 | BCU Harness Extension | See Page 4-3 (Optional) |

### Level 4

| Qty | Description | Part Number |
|---|---|---|
| 1 | Joystick Controller Assy | 6X9-482A0-02-00 (Chrome) |

*Joystick Controller Assy ALTERNATIVE PART NUMBER 6X9-482A0-10-00 (BLACK)

See Page number for Size Option's

# Helm Master® Steering Kits







## Single Engine Steering Kit
***6X9-762S0-03-00***

Kit Includes:

| Description | Qty | Part Number |
|---|---|---|
| **Bolt-On steering actuator** | **1** | **6X9-42401-11-00** |
| **Split Harness** | **1** | **6X9-8258A-90-00** |
| Steering Actuator Harness | 1 | See Page 4-3 |
| Main Harness (16P) | 2 | See Page 4-5 |

## Helm and Tilt Kit*
***6GR-762H0-10-00***

Kit Includes:

| Description | Qty | Part Number |
|---|---|---|
| **Helm Unit Assy** | **1** | **6GR-615A0-10-00** |
| **Tilt Helm Unit** | **1** | **6GR-6154A-00-00** |
| **Tilt Helm Set up Manual** | **1** | **6GR-2819K-L1-00** |
| Helm Harness | 1 | See Page 4-2 |

## Twin Engine Steering Kit
***6X9-762S0-03-00 X2***

Kit Includes:

| Description | Qty | Part Number |
|---|---|---|
| **Bolt-On steering actuator** | **1** | **6X9-42401-11-00** |
| **Split Harness** | **1** | **6X9-8258A-90-00** |
| Steering actuator Harness | 2 | See Page 4-3 |
| Main Harness (16P) | 4 | See Page 4-5 |
| SCU Link Harness | 2 | See Page 4-3 |
| Pigtail Bus Wire | 1 | See Page 4-5 |

## Helm and Tilt Kit*
***6GR-762H0-10-00***

Kit Includes:

| Description | Qty | Part Number |
|---|---|---|
| **Helm Unit Assy** | **1** | **6GR-615A0-10-00** |
| **Tilt Helm Unit** | **1** | **6GR-6154A-00-00** |
| **Tilt Helm Set up Manual** | **1** | **6GR-2819K-L1-00** |
| Helm Harness | 2 | See Page 4-2 |

## Triple Engine Steering Kit
***6X9-762S0-03-00 X3***

Kit Includes:

| Description | Qty | Part Number |
|---|---|---|
| **Bolt-On steering actuator** | **1** | **6X9-42401-11-00** |
| **Split Harness** | **1** | **6X9-8258A-90-00** |
| Steering Actuator Harness | 3 | See Page 4-3 |
| Main-Harness (16P) | 6 | See Page 4-5 |
| SCU Link Harness (Port/Stbd) | 2 | See Page 4-3 |
| SCU Link Harness (Center) | 1 | See Page 4-3 |
| Pigtail Bus Wire | 2 | See Page 4-5 |

## Helm and Tilt Kit*
***6GR-762H0-10-00***

Kit Includes:

| Description | Qty | Part Number |
|---|---|---|
| **Helm Unit Assy** | **1** | **6GR-615A0-10-00** |
| **Tilt Helm Unit** | **1** | **6GR-6154A-00-00** |
| **Tilt Helm Set up Manual** | **1** | **6GR-2819K-L1-00** |
| Helm Harness | 2 | See Page 4-2 |

## Quad Engine Steering Kit
***6X9-762S0-03-00 X4***

Kit Includes:

| Description | Qty | Part Number |
|---|---|---|
| **Bolt-On steering actuator** | **1** | **6X9-42401-11-00** |
| **Split Harness** | **1** | **6X9-8258A-90-00** |
| Steering Actuator Harness | 4 | See Page 4-3 |
| Main-Harness (16P) | 8 | See Page 4-5 |
| SCU Link Harness (Port/Stbd) | 2 | See Page 4-3 |
| SCU Link Harness (Center) | 2 | See Page 4-3 |
| Pigtail Bus Wire | 3 | See Page 4-5 |

## Helm and Tilt Kit*
***6GR-762H0-10-00***

Kit Includes:

| Description | Qty | Part Number |
|---|---|---|
| **Helm Unit Assy** | **1** | **6GR-615A0-10-00** |
| **Tilt Helm Unit** | **1** | **6GR-6154A-00-00** |
| **Tilt Helm Set up Manual** | **1** | **6GR-2819K-L1-00** |
| Helm Harness | 2 | See Page 4-2 |

**Required if adding Steering* **BOLD= KIT**

# Helm Master® EX Digital Electronic Control Boxes

## Helm Master® EX Digital Electronic Controls

The new Digital Electronic Control binnacle is equipped with Integral Power and an All Start/Stop directly on the unit, eliminating the need for separate Power and All Start/Stop switches on the console for both main and second stations.** The new Digital Electronic Control grip echoes soft tech grip used on Yamaha's popular Helm Master® EX joystick. Customers can also choose between optional black trim* or traditional chrome to customize the binnacle. Installation is simple, whether setting up Helm Master® EX for the first time or performing an upgrade.

*Optional black trim must be purchased as trim pieces for remote control main body and wither single or multi-levers.

**In single engine applications. Configurations for twin or more outboards continue to use multi-engine start/stop panels to provide individual outboard starting capability.

***Important Compatibility Information: For use with NEW DEC control Boxes, an additional harness is needed for PY22 and earlier EKS (Electronic Key Switch). The conversion harness is required on all 2nd Station applications. Required on Single, Triple, and Quad main Stations. Please see 4-4.



**Single Engine Flush Control**
***6X9-48206-20-00***

**Second Station Control**
***6X9-48A00-00-00***



**Single Engine Binnacle Control**
***6X9-48205-20-00***

**Second Station Control**
***6X9-48205-30-00***



**Twin Engine Binnacle Control**
***6X9-48207-20-00***

**Second Station Control**
***6X9-48207-30-00***



**Triple Engine Binnacle Control**
***6X9-48208-10-00***

**Second Station Control**
***6X9-48207-30-00***



**Quad Engine Binnacle Control**
***6X9-48209-10-00***

**Second Station Control**
***6X9-48207-30-00***



**Quint Engine Binnacle Control**
***6X9-48210-10-00***

**Second Station Control**
***6X9-48207-30-00***



**Main body**
***6X9-48400-20-00***



**Single Lever Cover Kit**
***6X9-46130-00-00***



**Multi Lever Cover Kit**
***6X9-46130-10-00***

# Mechanical Control Boxes

**Mechanical Control Boxes**

Classic style and function combined with Yamaha's high standards. The perfect line up of control boxes for mechanical controlled engines.



**704 Premium Control Boxes**

Top-mount binnacle control with a sleek, rounded look that is sure to please today's boater. The 704 allows for effortless, one-hand operation of the throttle and shift of an outboard. Intuitive designs place a thumb-operated, engine trim/tilt switch comfortably on the handle, and feature easily accessible neutral warm-up controls and externally adjustable throttle friction. Stylish chrome finish.

**Single Engine: 704-48205-R1-00**

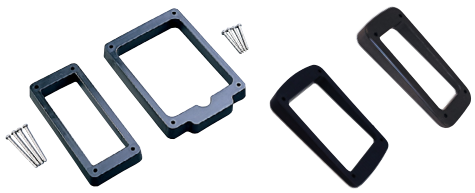
**Twin Engine: 704-48207-R1-00**



**Triple Binnacle Control Box**

This uniquely designed triple control box allows for one hand operation for easier maneuverability. The unique triple control box has a built-in water drain tube for added reliability & long term durability. Easy access cable connection location for faster & easier rigging.

***6X5-48207-03-00***



**Mechanical Binnacle Spacers**

Designed to raise the 704 Binnacle Control to provide more clearance for the lever in idle and full-throttle positions.

***Standard Single Flat Spacer: 704-48293-00-00***

***Premium Single Flat Spacer: 704-48293-20-00***

***Premium Single Angled Spacer: MAR-SHIM8-63-00***

***Premium Twin Flat Spacer: 704-48293-30-00***

***Premium Twin Angled Spacer: MAR-SHIM8-64-00***

## Mechanical Control Boxes







### Flush Mount Control Boxes

Includes thumb-operated trim/tilt switch, neutral switch and push-button neutral warm-up. Fits most single engine applications and they're perfect for a bass boat.

***Flush Mount Control Box:***

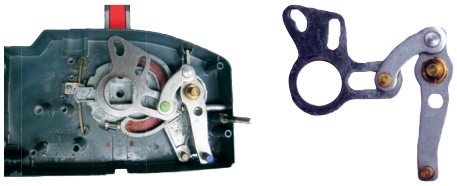
Right Side Mount* *(w/ stop switch)* - ***6X3-48206-11-00***
Left Side Mount *(w/o stop switch)* - ***6X3-48206-22-00***
* Right Side Mount emergency stop lanyard
682-82556-00-00

### Mechanical 703 Side Mount Control Boxes

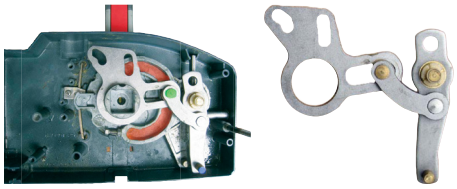
Designed for use with electric start Yamaha outboards. Features include:
Convenient easy-to-use fast-idle lever for fast warm-up. Key switch for added security forward/reverse lever. 703 control boxes include a key switch, stop lanyard, and 16 foot main harness.

***Push to Open, 10 Pin Harness: 703-48207-24-00***
***Pull to Open w/ Choke, 7 Pin Harness: 703-48230-23-00***

***Trim switch cover: 703-48224-00-00***
***Replacement 10 Pin Harness: 688-8258A-20-00***
***Replacement 7 Pin Harness: 688-82586-21-00***



*Pull to Open*



*Push to Open*




### Side Mount Throttle Conversion

Although the control boxes available may not meet your throttle style, the parts below can be ordered to convert a side mount box to the throttle style you need.

***703 Push to Open Conversion: 703-48261-01-00***
***703 Pull to Open Conversion: 703-48261-11-00***

***701 Push to Open Conversion: 701-48261-20-00***
***701 Pull to Open Conversion: 701-48261-00-00***

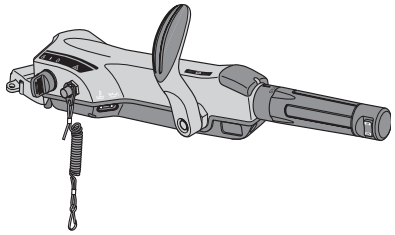
### Mechanical 701 Side Mount Control Boxes

Designed specifically for most manual start Yamaha outboards. A single forward/reverse control lever and a separate fast idle lever provide easy operation.

***Port Side Mount, Pull to Open Throttle:***
***703-48260-22-00***

## Tiller Handles

Yamaha's Multifunction Tiller Handle combines ergonomic design, smooth shifting, fingertip controls and an extended throttle handle for virtually effortless maneuverability. Add to that Yamaha's exclusive Variable Trolling RPM Switch (VTS® F40LA through F90 models only) and a 90° throttle rotation angle, and steering is not only easy, it's more comfortable too. It's easy to see why our Multifunction Tiller Handle won an IBEX® Innovation Award in 2005.



**F25 Complete Tiller Handle Assembly** (~2016)
Includes everything required to mount a tiller handle on F25 Outboard produced until 2016.

***6X4-42103-0E-00***



**Tiller Handle Main Assembly**
The tiller handle main assembly requires the use of a fitting kit below to mount to a Yamaha Outboard.

***6X4-42103-5C-00***

**Tiller Handle Fitting Kits**
The fitting kits are used along with the Main Handle Assembly. They typically include the wire harness and mounting hardware.



**2-Stroke Fitting Kits**

| Application | Part Number |
|---|---|
| 40 / 50 | 6X4-42102-65-00 |
| 60 / 70 | 6X4-42102-53-00 |
| 80 / 90 | 6X4-42102-43-00 |

**4 Stroke Fitting Kits**

| Application | Part Number |
|---|---|
| F20B | 6X4-42102-K2-00 |
| F/T25C | 6X4-42102-E2-00 |
| F40B (carbureted) | 6X4-42102-33-00 |
| F30 / F40LA (EFI) | 6X4-42102-72-00 |
| F/T50 / F/T60 / F70 | 6X4-42102-24-00 |
| F75A / F90A | 6X4-42102-14-00 |
| F75B / F90B / VF90A | 6X4-42102-J3-00 |
| F115/F115A | 6X4-42102-04-00 |
| F115B / VF115B | 6X4-42102-H3-00 |

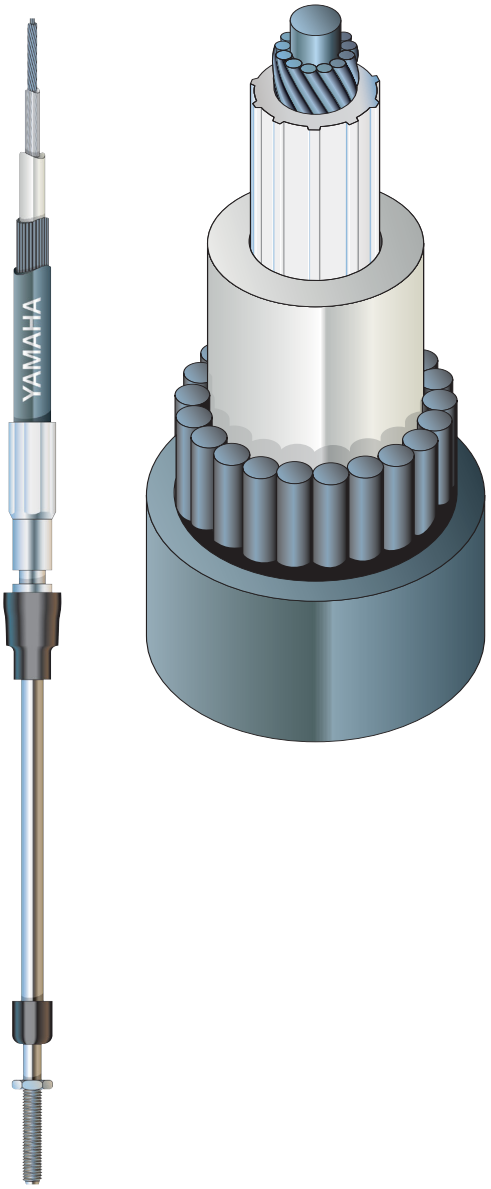
*F25C kit comes w/ VTS switch and steering friction
*Non PTT F25C models will need a smaller friction plate which is sold separately, 6FM-42525-00-00

# Control Cables

### Premier II™ Control Cables

Yamaha is pleased to offer Premier II cables. They offer an ultra-low-friction splined inner core. The design allows tighter tolerances resulting in reduced end play. We highly recommend the use of Premier II cables for boats with several applications and long cable lengths, on dual-station boats, and on any boat for unrivaled smoothness. (cables do not include cable ends)

| Cable Length | Individual Part Number | 10 Pack Part Number |
|---|---|---|
| 4 Ft. | MAR-CABLE-04-SC | N/A |
| 6 Ft. | MAR-CABLE-06-SC | MAR-CABLE-06-BK |
| 7 Ft. | MAR-CABLE-07-SC | MAR-CABLE-07-BK |
| 8 Ft. | MAR-CABLE-08-SC | MAR-CABLE-08-BK |
| 9 Ft. | MAR-CABLE-09-SC | MAR-CABLE-09-BK |
| 10 Ft. | MAR-CABLE-10-SC | MAR-CABLE-10-BK |
| 11 Ft. | MAR-CABLE-11-SC | MAR-CABLE-11-BK |
| 12 Ft. | MAR-CABLE-12-SC | MAR-CABLE-12-BK |
| 13 Ft. | MAR-CABLE-13-SC | MAR-CABLE-13-BK |
| 14 Ft. | MAR-CABLE-14-SC | MAR-CABLE-14-BK |
| 15 Ft. | MAR-CABLE-15-SC | MAR-CABLE-15-BK |
| 16 Ft. | MAR-CABLE-16-SC | MAR-CABLE-16-BK |
| 17 Ft. | MAR-CABLE-17-SC | MAR-CABLE-17-BK |
| 18 Ft. | MAR-CABLE-18-SC | MAR-CABLE-18-BK |
| 19 Ft. | MAR-CABLE-19-SC | MAR-CABLE-19-BK |
| 20 Ft. | MAR-CABLE-20-SC | MAR-CABLE-20-BK |
| 21 Ft. | MAR-CABLE-21-SC | MAR-CABLE-21-BK |
| 22 Ft. | MAR-CABLE-22-SC | MAR-CABLE-22-BK |
| 23 Ft. | MAR-CABLE-23-SC | MAR-CABLE-23-BK |
| 24 Ft. | MAR-CABLE-24-SC | MAR-CABLE-24-BK |
| 25 Ft. | MAR-CABLE-25-SC | MAR-CABLE-25-BK |
| 26 Ft. | MAR-CABLE-26-SC | MAR-CABLE-26-BK |
| 27 Ft. | MAR-CABLE-27-SC | MAR-CABLE-27-BK |
| 28 Ft. | MAR-CABLE-28-SC | MAR-CABLE-28-BK |
| 29 Ft. | MAR-CABLE-29-SC | MAR-CABLE-29-BK |
| 30 Ft. | MAR-CABLE-30-SC | MAR-CABLE-30-BK |
| 32 Ft. | MAR-CABLE-32-SC | N/A |
| 34 Ft. | MAR-CABLE-34-SC | N/A |
| 36 Ft. | MAR-CABLE-36-SC | N/A |
| 38 Ft. | MAR-CABLE-38-SC | N/A |
| 40 Ft. | MAR-CABLE-40-SC | N/A |



## Throttle and Shift Cable Ends

From time to time control cables need new ends. The following list provides a guide to selecting the correct one. The most current information can always be found using Parts Manager Pro™ Online through YMBS.



### Control Cable Ends

***Shift and Throttle Ends: 703-48345-01-00***
***Fastener for Cables Ends: 93430-06024-00***

### Engine Control Cable Ends

#### Four Stroke

| MODEL | THROTTLE | SHIFT | FASTENER |
|---|---|---|---|
| F6, F/T8, F/T9.9(05~) | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| F/T9.9(~04) | 6G8-26363-00-00 | 6G8-26363-00-00 | 6G8-26364-00-00 (Slide) |
| F15 / F20 / F/T25 | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| F20C / F25C / T25C | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| F30 / F40(06-08) | 67C-48344-10-00 | 67C-48344-10-00 | 90468-18008-00 (Clip) |
| F40(99), F/T50(~04) | 6G8-26363-00-00 | 6G8-26363-00-00 | 90468-18008-00 (Clip) |
| F40(09~), F/T50(05~), F/T60(02~), F70(11~) | 69W-48344-00-00 | 69W-48344-00-00 | 90468-18008-00 (Clip) |
| F75(~16), F80, F90(~16), F/L115(~14) | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| F90B / F/L115(14~), F/L150~300 | 6E5-48344-00-00 | 6E5-48344-00-00 | 90468-18008-00 (Clip) |
| VF90 / VF/L115 ~ 250 | 6E5-48344-00-00 | 6E5-48344-00-00 | 90468-18008-00 (Clip) |

#### Two Stroke

| MODEL | THROTTLE | SHIFT | FASTENER |
|---|---|---|---|
| 9.9(96~), 15(96~) | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| 6, 8, 9.9(~95), 15(~95) | 682-48340-50-00* | 682-48330-50-00* | See Note |
| 25 2cyl., 25/30 3cyl. | 6G8-26363-00-00 | 6G8-26363-00-00 | 6G8-26364-00-00 (Slide) |
| C25, C30, C40 2cyl.(89~) | 648-48340-50-00* | 648-48330-50-00* | See Note |
| 40/50 (~94) | 6H4-48344-00-00 (Elec)<br>6FM-48344-00-00 (Man) | 6H4-48344-00-00 | 90468-18008-00 (Clip) |
| 40/50 (95~) | 6H4-48344-00-00<br>63D-48344-00-00(Man) | 6FM-48344-00-00(Elec) | 90468-18008-00 (Clip) |
| C403cyl.(97~02), C50 | 6H4-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| P50 | 6H4-48344-00-00 | 6H4-48344-00-00 | 90468-18008-00 (Clip) |
| P60 (~95) | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| 60, P60(96~), C60, C70, 70(96~) | 6H3-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| C55 / C75 / P75 / C80 / C85 | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| 70(~95) | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| 90 / B90 / C90 | 6FM-48344-00-00 | 6FM-48344-00-00 | 90468-18008-00 (Clip) |
| S115~130(96~97)<br>115~200 (84~95) | 6E5-48344-00-00 | 6E5-48344-00-00 | 90185-06062-00 (Nut) |
| 115~130 (96~) | 6E5-48344-00-00 | 6E5-48344-00-00 | 90185-06M07-00 (Nut)<br>90468-18008-00 (Clip) |
| D/DX 150 | 6E5-48344-00-00 | 6E5-48344-00-00 | 90468-18008-00 (Clip) |
| Z/LZ/VZ 150~300 | 6E5-48344-00-00 | 6E5-48344-00-00 | 90468-18008-00 (Clip) |
| S, L, SX, LX 150~250 | 6E5-48344-00-00 | 6E5-48344-00-00 | 90468-18008-00 (Clip) |
| 150~200(96~), 225, 250 | 6E5-48344-00-00 | 6E5-48344-00-00 | 90468-18008-00 (Clip) |
| V6Spec/V6Excel | 6E5-48344-00-00 | 6E5-48344-00-00 | 90468-18008-00 (Clip) |
| V/VX/150~250 | 6E5-48344-00-00 | 6E5-48344-00-00 | 90468-18008-00 (Clip) |

**Includes cable end, cable hook, spring, pin, and washer*

## Helm Master® EX Main Switches




**Single Engine Main Station Switch**
Yamaha's all new Helm Master® EX keyless panels offer the latest in technology and durability, with a new keyless design. To be used with the new Helm Master® EX EKS System. (Kit Includes Power Switch 6X9-82570-01-00, EKS Harness 6X9-82716-21-00, Emergency Stop Switch 6X9-82570-70-00 and the Key Fob and Receiver 6X9-86260-13-00)

***6X9-762B0-47-00***



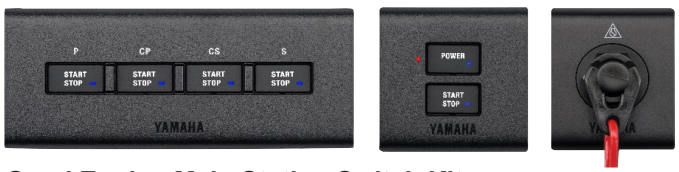

**Twin Engine Main Station Switch Kit**
The Twin Engine Main Station Kit offers the latest in technology energizing the ignition system of multiple outboards with a key fob. Optional "All Start" Switch can be added for additional convenience. (Kit Includes Power Switch 6X9-82570-11-00, EKS Harness 6X9-82716-32-00, Emergency Stop Switch 6X9-82570-80-00 and the Key Fob and Receiver 6X8-86260-13-00)

***6X9-762B0-57-00***




**Triple Engine Main Station Switch Kit**
The Triple Engine Main Station Kit offers the latest in technology energizing the ignition system of multiple outboards with a key fob. Optional "All Start" switch can be added for additional convenience. (Kit Includes Power Switch 6X9-82570-01-00, EKS Harness 6X9-82716-41-00, Individual Start/Stop Switch 6X9-82570-41-00, Emergency Stop Switch 6X9-82570-C0-00 and the Key Fob and Receiver 6X9-86260-13-00)

***6X9-762B0-67-00***




**Quad Engine Main Station Switch Kit**
The Quad Engine Main Station Kit offers the latest in technology energizing the ignition system of multiple outboards with a key fob. Optional "All Start" switch can be added for additional convenience. (Kit Includes Power Switch 6X9-82570-01-00, EKS Harness 6X9-82716-50-00, Individual Start/Stop Switch 6X9-82570-51-00, Emergency Stop Switch 6X9-82570-D0-00 and the Key Fob and Receiver 6X9-86260-13-00)

***6X9-762B0-77-00***




**All Start/ Stop Switch**
Allows Multiple Engine Applications to be started successively (to prevent high amperage draw on the starting battery) or stopped simultaneously with the touch of a single button.

***6X9-82570-B1-00***

## Helm Master® EX Second Station Switches




**Single Engine Second Station Kit**

Yamaha's Helm Master® EX Second Station Kit allows starting and stopping of the engine with a push of the button from either station. (Kit Includes Start/Stop Switch 6X9-82570-B1-00, EKS Harness 6X9-82716-60-00, Emergency Stop Switch 6X9-82570-70-00)

***6X9-762B0-81-00***




**Twin Engine Second Station Kit**

Yamaha's Helm Master® EX Second Station Kit allows starting and stopping of the engine with a push of the button from either station. (Kit includes All Start/Stop Switch 6X9-82570-B1-00, Individual Start Stop Switch 6X9-82570-31-00, EKS Harness 6X9-82716-71-00, Emergency Stop Switch 6X9-82570-80-00)

***6X9-762B0-91-00***




**Triple Engine Second Station Kit**

Yamaha's Helm Master® EX Second Station Kit allows starting and stopping of the engine with a push of the button from either station. (Kit includes All Start/Stop Switch 6X9-82570-B1-00, Individual Start/Stop Switch 6X9-82570-41-00, EKS Harness 6X9-82716-80-00, Emergency Stop Switch 6X9-82570-C0-00)

***6X9-762B0-A1-00***




**Quad Engine Second Station Kit**

Yamaha's Helm Master® EX Second Station Kit allows starting and stopping of the engine with a push of the button from either station. (Kit includes All Start/Stop Switch 6X9-82570-B1-00, Individual Start/Stop Switch 6X9-82570-51-00, EKS Harness 6X9-82716-A0-00, Emergency Stop Switch 6X9-82570-D0-00)

***6X9-762B0-B1-00***

## Command Link Plus® Main Switches




**Single Engine Main Station Switch**
Yamaha's Command Link Plus® key panels offer the latest in technology and durability, with a new ergonomic key design and new functionality. The single engine switch is the only Command Link Plus key switch to use the conventional key switch connector. Three position switch.

***6X6-82570-34-00***




**Twin Engines Main Station Switch Kit**
The Twin Engine Main Switch Kit offers the latest in technology energizing the ignition system of multiple outboards with only one key. Optional "All Start" switch can be added for additional convenience. (Kit includes Main Switch Panel 6X6-82570-41-00 and Twin Start/Stop Panel 6X6-82570-60-00.)

***6X6-762B0-01-00***




**Triple Engines Main Station Switch Kit**
The Triple Engine Main Switch Kit offers the latest in technology energizing the ignition system of multiple outboards with only one key. Optional "All Start" switch can be added for additional convenience. (Kit includes Main Switch Panel 6X6-82570-51-00 and Triple Start/Stop Panel 6X6-82570-70-00.)

***6X6-762B0-11-00***




**Quad Engines Main Station Switch Kit**
Yamaha's Command Link Plus® key panels offer the latest in technology and durability, with a new ergonomic key design and new functionality. Four keyed alike switches help keep things simple and straight forward. (Kit includes Key Switch Set 6X6-82570-M3-00, Lanyard Panel Assembly 6X6-82570-V0-00, Key Switch Harness 6X6-8258A-L0-00, and Stop Switch Harness 6X6-8258A-U0-00)

***MAR-QUAD1-KT-00***




**All Start/Stop Switch**
Allows twin or triple engines to be started successively (to prevent high amperage draw on the starting battery) or stopped simultaneously with the touch of a single button. For convenience and protection, engines cannot be started while running. The All Start/Stop switch can be installed on the main station of triple or twin engine installations only.

***6X6-82570-D0-00***

## Command Link Plus® Main Switches




**Single Engine Second Station Switch Kit**
Stylish and functional, Command Link Plus® second station switch kits allow the transfer of control between stations or starting and stopping the engine with the push of a button. (Kit includes two station selector switches 6X6-82570-B0-00, Lanyard Panel Assembly 6X6-82570-90-00, and Start/Stop Switch 6X6-82570-80-00)

***6X6-762B0-20-00***




**Twin Engines Second Station Switch Kit**
Stylish and functional, Command Link Plus® second station switch kits allow the transfer of control between stations or starting and stopping the engine with the push of a button. (Kit includes two station selector switches 6X6-82570-B0-00, Lanyard Panel Assembly 6X6-82570-90-00, and Start/Stop Switch 6X6-82570-E0-00)

***6X6-762B0-30-00***




**Triple Engines Second Station Switch Kit**
Stylish and functional, Command Link Plus® second station switch kits allow the transfer of control between stations or starting and stopping the engine with the push of a button. (Kit includes two station selector switches 6X6-82570-B0-00, Lanyard Panel Assembly 6X6-82570-90-00, and Start/Stop Switch 6X6-82570-F0-00)

***6X6-762B0-40-00***




**Quad Engines Second Station Switch Kit**
Stylish and functional, Command Link Plus® second station switch kits allow the transfer of control between stations or starting and stopping the engine with the push of a button. (Kit includes two station selector switches 6X6-82570-L0-00, Lanyard Panel Assembly 6X6-82570-V0-00, Port Start/Stop Switch 6X6-82570-J0-00, and Starboard Start / Stop Switch 6X6-82570-K0-00)

***MAR-QUAD2-KT-00***

## Command Link® and Conventional Main Station Switch Panels




**Triple Engine Switch Panel**
Designed exclusively for Yamaha's Command Link Integrated Marine Information System. Features interchangeable keys and a single engine stop lanyard for added convenience. Compact size maximizes dash space, simplifies installation. (Replacement Main Switch: 6X5-82510-02-00, Replacement Panel: 6X5-82571-00-00)

***6X5-82570-03-00***




**Twin Engine Switch Panel**
Push main switch to choke. With choke and engine warning buzzer. For use with conventional Yamaha rigging only. (Replacement Main Switch: 6K1-82510-08-00, Replacement Panel: 6K1-82571-02-00, Replacement Lanyard: 682-82556-00-00)

***6K1-82570-15-00***




**Command Link® Twin Engine Switch Panel**
Designed to work exclusively with Command Link. Interchangeable keys add convenience, and a single engine stop lanyard cuts clutter. Compact size maximizes dash space, simplifies installation. (Replacement Main Switch: 6Y8-82510-03-00, Replacement Panel: 6Y8-82571-01-00, Replacement Lanyard: 682-82556-00-00)

***6Y8-82570-05-00***




**Single Engine Switch Panel**
Push main switch to choke. With choke switch and engine warning buzzer. For use with either Command Link or conventional Yamaha rigging. (Replacement Main Switch: 704-82510-0B-00, Replacement Panel: 704-82571-02-00, Replacement Lanyard: 682-82556-00-00)

***704-82570-13-00***




**Single Engine Switch Panel**
Includes multi-connector to main harness, connectors for instrument harness, and engine stop lanyard switch. With bullet connectors for generic engine stop lanyard switch. (Replacement Main Switch: 64D-82510-05-00, Replacement Panel: 64D-82571-00-00)

***Standard connecter: 64D-82570-06-00***
***With duplex connector: 6X3-8257B-02-00***

## Command Link® and Conventional Main Station Switch Panels

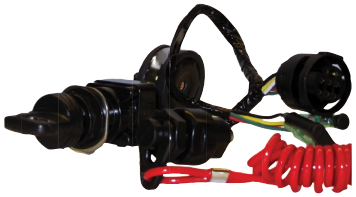
**Lanyard Panel**
For use with duplex connector and main switch assembly. (Replacement Lanyard: 682-82556-00-00)

***64D-82570-31-00***



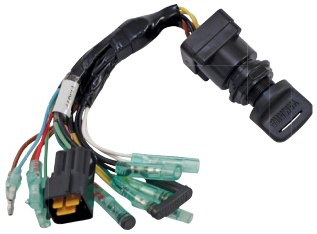
**Single Engine Key Switch Assembly**
Main switch and lanyard used in the 704 single engine switch panel, but without the panel. Perfect for custom boat installations. (Replacement Main Switch: 704-82510-0B-00, Replacement Lanyard: 682-82556-00-00)

***704-8257C-04-00***



**Tiller Handle Key Switch**
For use with the 6X4 tiller handle.

***6X4-82510-02-00***



**Single Engine Key Switch Assembly**
With duplex connector for use with 6X3 Flush Side Control. (Replacement Main Switch: 64D-82510-04-00. If a panel is needed, use Single Main Switch on Panel 64D-82570-23-00)

***6X3-8257B-02-00***



**Lanyard Switch**
An emergency stop switch without a panel. (Replacement Lanyard: 682-82556-00-00)

***688-82575-02-00***



## Command Link® and Conventional Second Station Switch Panels




**Single Engine Command Link® Second Station Switch Panel**
Designed exclusively for Yamaha's Command Link® Integrated Marine Information System and the Synchro Control System. For use on second station only.

***Command Link® Panel: 6X6-82570-01-00***
***Conventional Panel: 6X1-82570-02-00***




**Twin Engine Conventional Second Station Switch Panel**
Designed exclusively for use with the Synchro Control System. For use on second station only.

***Command Link® Panel: 6X6-82570-11-00***




**Triple Engine Command Link® Second Station Switch Panel**
Designed exclusively for Yamaha's Command Link® Integrated Marine Information System. For use on second station only.

***6X6-82570-20-00***




**Command Link® Station Selector Switch**
Designed exclusively for Yamaha's Command Link® Integrated Marine Information System. This switch will not connect to a Command Link® Plus control box.

***6X6-82570-A0-00***




**Command Link Plus® Station Selector Switch**
Designed exclusively for Yamaha's Command Link Plus® Integrated Marine Information System. This switch will not connect to a Command Link® control box.

***6X6-82570-B0-00***

# Replacement Keys and Key Covers

**Replacement Keys**

When a customer loses a key, Yamaha makes it easy for you to get them a new one.
**If all keys are missing, locate the key number on the main switch barrel.**

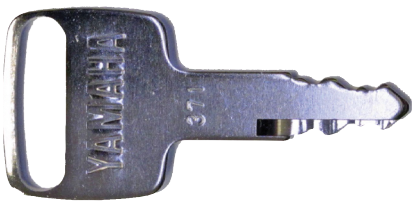
## 700 Series Keys

| Key | Part Number | Key | Part Number | Key | Part Number |
|---|---|---|---|---|---|
| 721 | 90890-56004-00 | 732 | 90890-56008-00 | 750 | 90890-56012-00 |
| 727 | 90890-56005-00 | 733 | 90890-56009-00 | 751 | 90890-56013-00 |
| 730 | 90890-56006-00 | 741 | 90890-56010-00 | 752 | 90890-56014-00 |
| 731 | 90890-56007-00 | 747 | 90890-56011-00 | 753 | 90890-56015-00 |




## 300 Series Keys

| Key | Part Number | Key | Part Number | Key | Part Number |
|---|---|---|---|---|---|
| 371 | 90890-55868-00 | 378 | 90890-55875-00 | 385 | 90890-55882-00 |
| 372 | 90890-55869-00 | 379 | 90890-55876-00 | 386 | 90890-55883-00 |
| 373 | 90890-55870-00 | 380 | 90890-55877-00 | 387 | 90890-55884-00 |
| 374 | 90890-55871-00 | 381 | 90890-55878-00 | 388 | 90890-55885-00 |
| 375 | 90890-55872-00 | 382 | 90890-55879-00 | 389 | 90890-55886-00 |
| 376 | 90890-55873-00 | 383 | 90890-55880-00 | 390 | 90890-55887-00 |
| 377 | 90890-55874-00 | 384 | 90890-55881-00 | | |




## 800 Series Keys

| Key | Part Number | Key | Part Number | Key | Part Number |
|---|---|---|---|---|---|
| 821 | 90890-56016-00 | 832 | 90890-56020-00 | 850 | 90890-56024-00 |
| 827 | 90890-56017-00 | 833 | 90890-56021-00 | 851 | 90890-56025-00 |
| 830 | 90890-56018-00 | 841 | 90890-56022-00 | 852 | 90890-56026-00 |
| 831 | 90890-56019-00 | 847 | 90890-56023-00 | 853 | 90890-56027-00 |



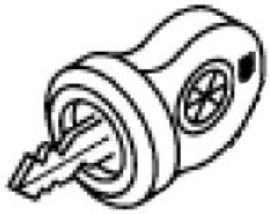

## 400 Series Keys

| Key | Part Number | Key | Part Number | Key | Part Number |
|---|---|---|---|---|---|
| 451 | 90890-55820-00 | 458 | 90890-55827-00 | 465 | 90890-55834-00 |
| 452 | 90890-55821-00 | 459 | 90890-55828-00 | 466 | 90890-55835-00 |
| 453 | 90890-55822-00 | 460 | 90890-55829-00 | 467 | 90890-55836-00 |
| 454 | 90890-55823-00 | 461 | 90890-55830-00 | 468 | 90890-55837-00 |
| 455 | 90890-55824-00 | 462 | 90890-55831-00 | 469 | 90890-55838-00 |
| 456 | 90890-55825-00 | 463 | 90890-55832-00 | 470 | 90890-55839-00 |
| 457 | 90890-55826-00 | 464 | 90890-55833-00 | | |




## Command Link®/Command Link Plus® Series Keys

| Key | Part Number | Key | Part Number | Key | Part Number |
|---|---|---|---|---|---|
| 457 | 6X6-82511-09-A1 | 832 | 6X6-82511-09-A5 | 853 | 6X6-82511-09-A9 |
| 462 | 6X6-82511-09-A2 | 833 | 6X6-82511-09-A6 | | |
| 463 | 6X6-82511-09-A3 | 847 | 6X6-82511-09-A7 | | |
| 827 | 6X6-82511-09-A4 | 852 | 6X6-82511-09-A8 | | |



## Yamaha Key Covers

Key covers are weather resistant and branded with the Yamaha name. Replacement keys come without a cover.

300 / 700 Series Key Cover: 703-82577-00-00
14mm Switch Cover for 300 / 700 Series Keys: 6K1-82532-00-00

400 / 800 Series Key Cover: 676-82577-01-00
15mm Switch Cover for 300 / 700 Series Keys: 703-82532-00-00



*300/700 Series*

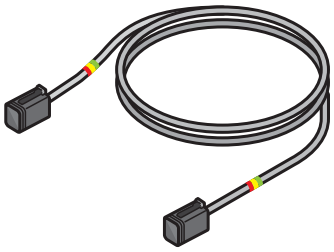


*400/800 Series*

| Description | Page |
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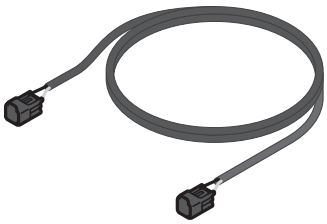



## Helm Master® Harnesses



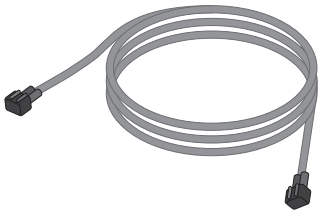
**Helm Control Unit (HCU) to Power Control Unit (PCU) Harness (Legacy Only)**

*5 ft.- 6ES-82590-70-00*
*10 ft.- 6ES-82590-30-00*
*23 ft.- 6ES-82590-50-00*
*36 ft.- 6ES-82590-10-00*



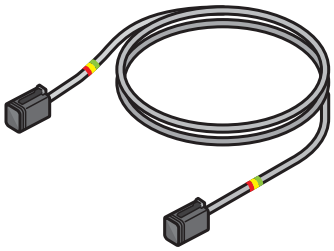
**Steering Sensor Extension Harness (Legacy Only)**

*6 ft.- 6ES-8258A-90-00*
*12 ft.- 6ES-8258A-A0-00*
*18 ft.- 6ES-8258A-B0-00*



**Prop Light Extension Harness**

*20 ft.- 6X9-82586-20-00*
*30 ft.- 6X9-82586-30-00*
*40 ft.- 6X9-82586-40-00*



**Steering Control Unit (SCU) to PCU Extension Harness**

*3.5 ft.- 6ES-8258A-C0-00*



**2nd Helm Harness Single Engine (Port)**

*16 ft.- 6X9-8258A-00-00*
*26 ft.- 6X9-8258A-10-00*
*38 ft.- 6X9-8258A-20-00*

## Helm Master®/Helm Master® EX Harnesses

**2nd Helm Harness Multiple Engine (Stbd)**

***16 ft.- 6X9-8258A-30-00***
***26 ft.- 6X9-8258A-40-00***
***38 ft.- 6X9-8258A-50-00***



**2nd Helm Harness Multiple Engine (Center)**

***16 ft.- 6X9-8258A-60-00***
***26 ft.- 6X9-8258A-70-00***
***38 ft.- 6X9-8258A-80-00***



**Split Harness**

***6X9-8258A-90-00***



**Single Engine Helm Harness**

Main Station: ***3 ft.- 6GR-8258A-01-00***
***6 ft.- 6GR-8258A-41-00***
(Legacy) 2nd Station: ***3 ft.- 6GR-8258A-21-00***
(EX) 2nd Station: ***3 ft.- 6X9-8258A-A1-00***



**Multiple Engine Helm Harness**

Main Station: ***3 ft.- 6GR-8258A-11-00***
***6 ft.- 6GR-8258A-51-00***
***9 ft.- 6GR-8258A-61-00***
(EX) 2nd Station: ***3 ft.- 6X9-8258A-B1-00***



## Helm Master® Harnesses



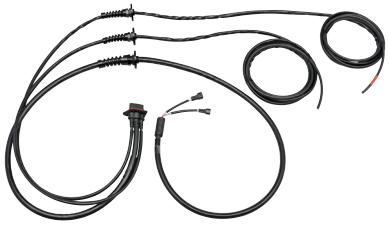
**Steering Control Unit (SCU) Link Harness Port/Starboard**

*1 ft.- 6X9-81115-00-00*
*5 ft.- 6GR-81115-00-00*
*10 ft.- 6GR-81115-10-00*



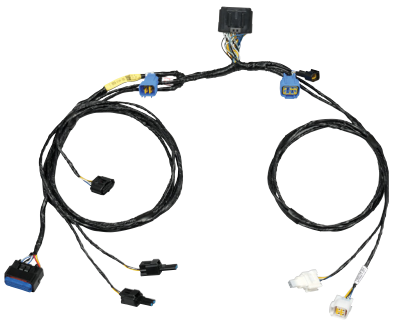
**Steering Control Unit (SCU) Link Harness Center Engine(s)**

*1 ft.- 6X9-81115-10-00*
*5 ft.- 6GR-81115-20-00*
*10 ft.- 6GR-81115-30-00*



**Steering Actuator Harnesses**

*8 ft.- 6X9-438A0-00-00*
*15 ft.- 6X9-438A0-10-00*
*8 ft. 180° - 6X9-438A0-20-00*
*15 ft. 180° - 6X9-438A0-30-00*
*No Bulk Head - 6X9-438A0-40-00*



**BCU Harness**

*6X9-82386-01-00*



**BCU Harness Extension**

*15 ft.- 6X9-82521-00-00*
*30 ft.- 6X9-82521-10-00*



**BCU Harness 2nd Station (only)**

*6X9-82386-10-00*

## Helm Master® Harnesses

**EKS Key Fob and Receiver Assy**

*6X9-86260-13-00*
*Replacement FOB 6X9-86261-10-00*



**EKS Harness**

*Single Engine - 6X9-82716-21-00*
*Twin Engine - 6X9-82716-32-00**
*Triple Engine - 6X9-82716-41-00**
*Quad Engine - 6X9-82716-91-00**



**EKS Harness 2nd Station**

*Single Engine - 6X9-82716-60-00*
*Twin Engine - 6X9-82716-71-00**
*Triple Engine - 6X9-82716-80-00**
*Quad Engine - 6X9-82716-A0-00**



**EKS Conversion harness (Old EKS to New DEC)**

*Single Engine - 6X9-8258A-F0-00*
*Triple Engine - 6X9-8258A-F0-00*
*Quad Engine - 6X9-8258A-F0-00*

• Twin Engine must have 6X9-82716-32-00 to work properly.



**EKS Conversion Harness (Old EKS to New DEC) 2nd Station**

*All 2nd Station DEC Configurations - 6X9-8258A-F0-00*



*Items May look different than picture shown

## Helm Master® Harnesses



**XTO 2nd Station Wire harness**
**(Only required on 425s with 2nd Station)**

***6GR-8258A-V0-00***



**Digital Communication Kit**

***6X8-762Y0-00-00***



**Conversion Harness (6-4 Pin)**

***6X9-83553-10-00***



**Battery Management System**

*Requires Yamaha DEC- capable outboards equipped with Helm Master® EX rigging

***Twin/Triple/Quad 6X9-762C0-00-00***
***Quint 6X9-762C0-00-00***

# Command Link® and Command Link® Plus Harnesses

### DEC (Digital Electronic Control) Main Harness

The DEC 16 pin main harness works for both Command Link® Plus (CLP) and the current Command Link® systems. The DEC main harness connects the engine to the main station control box. One per engine is required when rigging.



| | |
|---|---|
| ***5 ft.- 6X6-8258A-91-00*** | ***26 ft.- 6X6-8258A-21-00*** |
| ***12 ft.- 6X6-8258A-51-00*** | ***3.5 ft.- 6X6-8258A-31-00*** |
| ***17 ft.- 6X6-8258A-61-00*** | ***39 ft.- 6X6-8258A-41-00*** |
| ***20 ft.- 6X6-8258A-01-00*** | ***49 ft.- 6X6-8258A-71-00*** |
| ***23 ft.- 6X6-8258A-11-00*** | ***79 ft.- 6X6-8258A-81-00*** |

### Main Bus Harness

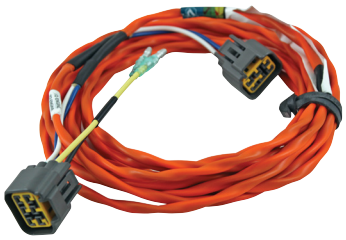
The Main Bus Harness is used in Command Link® (CL) and Command Link Plus® systems. The harness has one 6 pin connection on each end and is used to connect multi hubs into the network.



| | |
|---|---|
| ***1 ft.- 6Y8-82553-01-00*** | ***20 ft.- 6Y8-82553-21-00*** |
| ***10 ft.- 6Y8-82553-50-00*** | ***25 ft.- 6Y8-82553-31-00*** |
| ***15 ft.- 6Y8-82553-11-00*** | ***30 ft.- 6Y8-82553-41-00*** |

### Command Link® Main Bus Harness with Power Leads

For use with Command Link® systems. Combines the power harness and Main Bus harness to simplify rigging. 14 ft. in length



***6Y8-82553-60-00***

### Pigtail Bus Harness

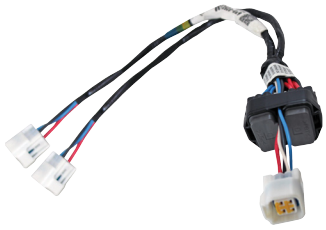
The Pigtail Harness is used in Command Link® and Command Link Plus® systems. The harness has one 4 pin connection on each end and is used to connect gauges and other items into the network.



| | |
|---|---|
| ***1 ft.- 6Y8-82521-01-00*** | ***6 ft.- 6Y8-82521-31-00*** |
| ***2 ft.- 6Y8-82521-11-00*** | ***9 ft.- 6Y8-82521-41-00*** |
| ***3 ft.- 6Y8-82521-21-00*** | ***12 ft.- 6Y8-82521-51-00*** |

### Command Link® Pigtail Y Harness

For use with Command Link® systems. Allows two gauges to be connected to the Command Link® Main Bus with Power Leads with an In-Line Hub.



***6Y8-82521-80-00***

*Items May look different than picture shown

## Command Link® and Command Link® Plus Harnesses



**CL0 Conversion Harness**
This 3ft harness supplies power to an MFD Interface Type-1 and Type-2, From the multi hub. Can be used in Command Link, Command Link Plus and Helm Master® EX.

***6YM-83553-10-00***



**CL5 Conversion Harness**
The CL5 Conversion Harness connects power from the MFD to the Multi-Hub so that the MFD can display gauges and other information. Compatible with Command Link, Command Link Plus, and Helm Master® EX.

***6Y8-82521-80-00***



**HDMI Cable**
The HDMI cable is for use with the MFD type-2 to display the information on an approved third-party MFD.

***6YM-8533A-00-00***



**8 ft. Power Lead Harness**
The 8 ft. Power Lead Harness connects power from the key switch to the multi hub for gauges and other components. The harness is used in Command Link® and Command Link Plus® systems.

***6Y8-83553-02-00***




**Multi-Hub Assembly**
The Multi-Hub is used in both Command Link and Command Link Plus® systems to allow devices to connect into the network with 1 power supply connector, 2 main BUS connectors, and 3 device connectors.

***6Y8-81920-01-00***



**In-Line Hub Assembly**
The In-Line hub is used in both Command Link® and Command Link Plus®systems. The hub works great with the Multisensor or in a simple Command Link® installation. Connects a pigtail harness to a main bus harness.

***6Y8-81920-11-00***

## Command Link® and Command Link® Plus Harnesses

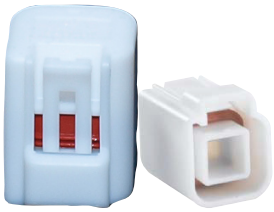
**Red Power 2 Pin Connection Cap**
During the installation and rigging process, the number of multi-hubs required may result in unused connector positions. In most installations only one multi-hub will have a used power connection. The rest will require a protective cap.

***6Y8-82582-01-00***



**White Pigtail 4 Pin Connection Cap**
During the installation and rigging process, the number of multi-hubs required may result in unused connector positions. The 4 pin cap covers any unused device ports on the multi-hub.

***6Y8-82582-11-00***



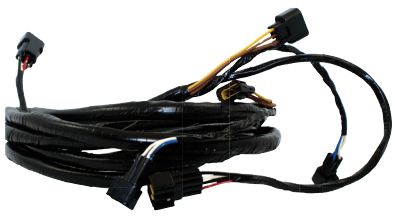
**Grey Main Bus Connection Cap with Resistor**
During the installation and rigging process, the number of multi-hubs required may result in unused connector positions. One resistor cap is included with a multi-hub assembly.

***6Y8-85371-01-00***



**Command Link Plus® Second Station Primary Harness**
The CLP second station primary harness connects the main station control box with the second station control with the help of a secondary harness. The primary harness has one 6 pin connector, one 4 pin connector, and one 3 pin connector on each end. One second station primary harness is required per engine when rigging a second station. For use with CLP control boxes.

***16 ft.- 6X6-8258A-G1-00*** ***40 ft.- 6X6-8258A-J1-00***
***26 ft.- 6X6-8258A-H1-00***



**Command Link® 2nd Station Main Harness**
The DEC second station main harness connects the main station control box with the second station control with the help of a secondary harness. The second station main harness has one 6 pin, one 4 pin, and one 3 pin connections on each end. One second station primary harness is required per engine when rigging a second station. For use with current Command Link® controls ONLY because of a different style 3 pin connector. Because of the different 3 pin connector, an adaptor harness will be required when a CLP main station is connected to a current Command Link® second station.

***16 ft.- 6X6-8258A-A1-00*** ***40 ft.- 6X6-8258A-E1-00***
***26 ft.- 6X6-8258A-C1-00***



## Command Link® and Command Link® Plus Harnesses



**DEC 2nd Station Secondary Harness**
The DEC second station primary harness connects the main station control box with the second station control with the primary harness. The secondary harness has one 12 pin connector on the main station side and one 2 pin connection on the second station side. One second station secondary harness is required per engine when rigging a second station. For use with CLP and current Command Link® controls.

***16 ft.- 6X6-8258A-B1-00*** ***40 ft.- 6X6-8258A-F1-00***
***26 ft.- 6X6-8258A-D1-00***



**Quad Second Station Harness**
The Quad second station harness connects the main station control box with the second station control with the help of the primary and secondary harness. The Quad second station harness has two 12 pin connectors on the main station side and two 3 pin connectors on the second station side. One Quad second station harness is required along with two CLP primary and two secondary harnesses when rigging a second station. For use with CLP only.

***16 ft.- 6X6-8258A-R0-00*** ***40 ft.- 6X6-8258A-T0-00***
***26 ft.- 6X6-8258A-S0-00***



**Second Station Primary Harness Adaptor**
The CLP and original DEC second station controls use a different style 3 pin connector on the primary harness. The adaptor harness will allow the use of a CLP control box for the main station and an original DEC control on the second stations. Perfect for the customer looking to re-power.

***6X6-8258A-K0-00***



**CLP AGI/Gateway Harness**
The .3 ft. harness connects a Pigtail Harness to either the AGI or a Gateway. The harness has a wrap of green tape and a male 6 pin at one end with a male 4 pin at the other.

***6Y9-83553-50-00***

**CLP NMEA 2000® Gateway Harness for 6YG Gateway**

***6YG-82521-00-00***

**CLP Adapter Leads/Harnesses**
***Wire Lead Fuel Tank Sender for CL7 Display 6YD-8356N-00-00***
***Wire Lead , GPS for CL7 Display 6YD-83553-00-00***



**CLP Multisensor Harness**
The Multisensor harness has a female 6 pin connector on one end and a male connector on the other. The .7 ft. harness connects a Pigtail Harness to the Multisensor and has a wrap of yellow tape.

***6Y9-83553-60-00***

## Command Link® and Command Link® Plus Harnesses

### CLP Display Harness

The Command Link Plus Display Harness has a 6 pin male connection on one end and a 4 pin female connection on the other. The .5 ft. harness connects a Pigtail Harness to the Command Link Plus Display and has a wrap of black tape in the middle.

***6Y9-83553-40-00***



### Main Bus Y Harness

The Main Bus Y Harness connects the 6 pin control box lead into two main bus harnesses. This harness is used in installations with a CLP Display, Multisensor, and two stations. Please see appropriate diagram for more details.

***6Y9-83553-10-00***



### CLP Main Bus Adaptor Harness

The adaptor harness connects the 6 pin control box lead to a main bus harness. This harness is used in installations with a CLP Display and has a 6 pin connection each end. Please see appropriate diagram for more information.

***6Y9-83553-00-00***



### Fuel Harness for CLP

The Fuel Harness allows the vessel fuel information to be used with the Command Link Plus® Display.

***6Y9-8356N-10-00***



### GPS Harness for CLP

The GPS Harness allows the GPS speed information from a GPS unit to be used with the Command Link Plus® Display.

***6Y9-8356N-01-00***

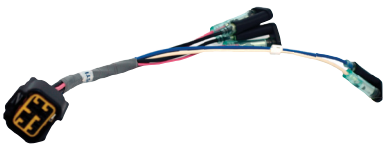


## Command Link® and Command Link® Plus Accessories



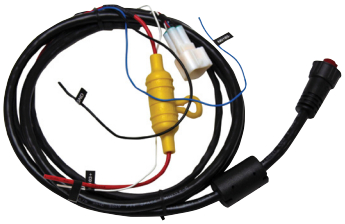
**Fuel Harness for CLP CL5/CL7 Display**
The Fuel Harness allows the vessel fuel information to be fed to the Command Link Plus® CL5/CL7 Display.

***6YD-8356N-00-00***



**GPS/Fuel Harness for CL**
The GPS/Fuel Harness allows the speed of the vessel from a GPS and the fuel system information from the vessel to be used with the Command Link® system.

***6Y8-8356N-01-00***



**GPS/Power Harness for CLP CL7 Display**
The GPS Harness allows the GPS speed information to be fed to the Command Link Plus® CL7 Display. Also includes the power leads for the GPS antenna.

***6YD-83553-00-00***



**Main Station Key Switch Adaptor Harness**
The Main Station Key Switch Adaptor Harness allows the use of a current key switch with a Command Link Plus® control box. One harness is required per key switch, except single engine installations.

***6X6-8258A-L0-00***



**Single 2nd Station Key Switch Adaptor Harness**
The adaptor harness allows the use of a current key switch with a Command Link Plus® control box. One harness is required per installation.

***6X6-8258A-M0-00***



**Twin 2nd Station Key Switch Adaptor Harness**
The adaptor harness allows the use of a current key switch with a Command Link Plus® control box. One harness is required per installation.

***6X6-8258A-N0-00***



**Triple 2nd Station Key Switch Adaptor Harness**
The adaptor harness allows the use of a current key switch with a Command Link Plus® control box. One harness is required per installation.

***6X6-8258A-P0-00***



**6X7 Flush Mount Key Switch Extension Harness**
Used to connect main key switch that would otherwise be too far away for the control box connector to reach.

***6X7-82590-30-00***

## Command Link® and Command Link® Plus Accessories

**Y-COP®**
The Electronic Control Module disables the ignition system via an operator controlled key fob. When the operator wishes to use the outboard, a simple command via the wireless key fob activates the ignition system. Two water resistant key fobs are provided with each system. (Replacement Remote: 6AA-86261-22-00, Replacement Unit: 6Y8-86260-12-00, Replacement Decal: 6Y8-48277-00-00) Includes a 2ft. pigtail harness.

***6Y8-762D0-00-00***



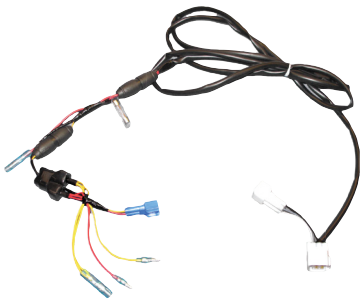

**Y-COP® CL Key Switch Harness for Twin and Triple Engine Installations**
The harness has three one pin connectors to tie Y-COP® into the key switches. Photo not available.

***6Y8-81315-04-00***



**Y-COP® Harness for Multiple Engine Installations**
The harness connects to the Key Switches, Power Supply, the Y-COP®, and a Pigtail Bus Harness. This harness is required when using Y-COP® in twin and triple installations with the new CLP key switches.

***6Y8-81315-04-00***



**Power Y Harness for CLP**
The Power Y Harness connects the 8 ft. Power Lead to two Multi-Hub assemblies for use with the new CLP Display and CL gauges. Please see appropriate diagram for more details.

***6Y9-83553-20-00***



## Command Link® and Command Link® Plus Accessories



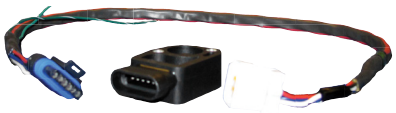
**Command Link®/Command Link Plus® Gateway**
Yamaha's Gateways allow certain engine and boat data to be displayed on NMEA-2000® compatible displays that are external to the Yamaha system. The Gateway is for installation with a Command Link® or Command Link Plus® networks, such as those found with mechanical controls and/or DEC controls. (2 ft. Command Link and NMEA 2000® pigtails included)

***MAR-GTWAY-KT-20***



**Command Link®/Command Link Plus® Analog Gauge Interface**
The Analog Gauge Interface, or AGI, allows Command Link® Plus or Command Link® equipped boats to display selected engine and boat performance data on analog gauges, be they Yamaha or those of most aftermarket manufacturers. The AGI is for installation with a Command Link® or Command Link Plus® network, such as those found with mechanical controls and/or DEC controls. (requires pigtail harness for installation)

***6YH8A2D00100***



**Command Link® Auto Trim Tab Retractor Interface**
The trim tab retractor interface provides up to two engine analog tachometer outputs needed for some automatic trim tab retractors.

***MAR-6X6DA-C0-00***



**Command Link®/Command Link Plus® Multisensor**
The multisensor is utilized to provide water depth, water temperature, and water speed information to the Command Link Plus display or Command Link® Gauges. This multisensor has only one plug to power the unit and send signals to the ECU. It is powered through the Command Link Plus network. (Kit Includes: In-Line Hub 6Y8-81920-11-00,1 ft. Pigtail Harness 6Y8-82521-01-00, Adaptor Harness 6Y9-83553-60-00, Multisensor 6Y9-83688-00-00)

***MAR-3DCER-KT-00***



**Electronic Cooling Water Pressure Sensor**
The water pressure sensor kit taps into the engine block's cooling passage and converts the pressure readings to an electrical signal that is sent to the engines' ECU. The ECU can then display this data on the tachometer. This sensor kit is optional for Command Link Plus® and Command Link®, and there are two types depending on model of the engine. These sensors plug into harness leads that are part of the engine's wiring harness. V8 engines come standard with a cooling water pressure sensor. (Replacement sensor: 6AW-8366B-10-00)

***Kit for F40-F115, VF90, VF115, and HPDI: 60V-8A4L0-1B-00***
***Kit for F150-F250, 4.2L VMAX SHO®, and 4.2L Offshore: 69J-8A4L0-16-00***

## Command Link® and Command Link® Plus Accessories

**Thermostat Cover for VMAX SHO®**
Allows the installation of sensor kit 60V-8A4L0-1A-00 on VMAX SHO® engines.

***4.2L - 6CE-12413-C0-9S***
***VF150, and VF175 - 6DA-1241B-A0-9S***



**Electronic Speed Sensor**
The speed sensor converts the water pressure from the lower units' pitot tube to a digital signal inside the engines ECU. The ECU then displays the speed on the speedometer. The kit contains all of the components necessary to connect the sensor to the pitot hose coming from the lower unit and one kit fits all. V8 outboards do not have speedo tube required for connection to this sensor. (Replacement Sensor: 6AW-8366B-01-00)

***60V-8A4L1-1C-00***



**Display Cover for Command Link® Displays**
Protect your display with this stylish and durable cover.

***Command Link Plus® Display: 6Y9-87278-00-00***
***6YC Display: 6YC-87278-00-00***
***CL7 Display: 6YD-87278-00-00***
***CL5 Display: 6YM-87278-00-00***




**Remote Variable Trolling RPM Switch Kit (VTS)**
With this new switch, increased VTS functionality is at your fingertips by adjusting the RPM without the gauge. The switch is compatible with F25C, F30 through F115 and VF115 (remote control models only). This helm-mounted remote switch connects to tiller handle input on the outboard. A brand new way to make fishing (and boating) easier at a low cost with huge benefits. The switch comes with a 26 foot harness length.

***MAR-VTSSW-00-KT***
***MAR-VTSSW-PN-L0***
****Panel with Screws***
***MAR-VTSSW-00-00***

***Remote Variable RPM switch***



## Conventional Harnesses

**Main Harness**
The main harness is used to connect the engine to the electrical part of conventional controls. Available in both 7 Pin and 10 Pin configurations. 7 Pin harnesses do not contain the wires for power trim and tilt.

***7 Pin 16.4 ft.- 688-82586-51-00***
***10 Pin 16.4 ft.- 688-8258A-50-00***
***10 Pin 19.7 ft.- 688-8258A-60-00***
***10 Pin 23 ft.- 688-8258A-70-00***
***10 Pin 26.6 ft.- 6K1-8258A-41-00***
***10 Pin 31.2 ft.- 61B-8258A-02-00***



**Main Harness Extension**
The harness extension is used to connect the engine to the main harness, perfect for those special applications.

***7 Pin 6.6 ft.- 688-82586-12-00***
***10 Pin 6.6 ft.- 688-8258A-10-00***
***10 Pin 9.8 ft.- 688-8258A-30-00***



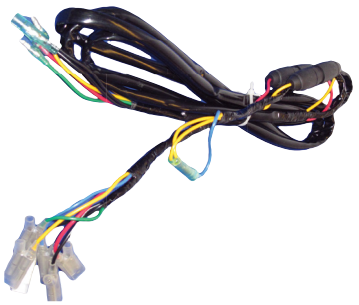
**703 Control Box Main Harness**
The replacement main harness for the 703 control box has the standard engine connection on one end and bullet connectors on the other. Both the 7 and 10 pin harnesses are 16 feet in length.

***7 Pin 688-82586-21-00***
***10 Pin 688-8258A-20-00***



**Dual Fuse Gauge Harness**
Used to connect conventional gauges to key one power, battery positive, and other important sources. 10 ft.

***6Y5-83553-N1-00***



## Conventional Harnesses

**7 to 10 Pin Adaptor Harness**
The 7-10 Pin harness is used to connect 7 Pin engines to 10 Pin main harnesses. 1.6 ft.

***703-8258A-01-00***



**2005 and Later Trim and Oil Harness**
Used on outboards to transfer information to conventional gauges. One white 4 pin connection on each end.

| | |
|---|---|
| ***16.4 ft.- 6Y5-83653-00-00*** | ***26.3 ft.- 6Y5-83653-30-00*** |
| ***19.7 ft.- 6Y5-83653-10-00*** | ***30 ft.- 6Y5-83653-40-00*** |
| ***23 ft.- 6Y5-83653-20-00*** | ***35 ft.- 6Y5-83653-50-00*** |



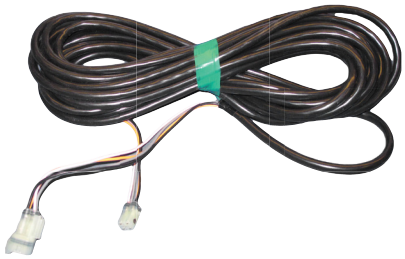
**2004 and Prior Trim and Oil Harness**
Used on outboards to transfer information to conventional gauges. Two white 4 pin connection on each end.

| | |
|---|---|
| ***16.4 ft.- 68F-82553-50-00*** | ***26.3 ft.- 68F-82553-80-00*** |
| ***20 ft.- 68F-82553-60-00*** | ***31.2 ft.- 68F-82553-90-00*** |
| ***23 ft.- 68F-82553-70-00*** | ***32.8 ft.- 68F-82553-A0-00*** |



**Trim Harness**
Used to transfer the trim signal to aftermarket gauges on 2004 and prior outboards. One white 4 pin connection on each end.

| | |
|---|---|
| ***10 ft.- 6R3-82553-30-00*** | ***26.3 ft.- 6R3-82553-80-00*** |
| ***16.4 ft.- 6R3-82553-50-00*** | ***31.2 ft.- 6R3-82553-90-00*** |
| ***23 ft.- 6R3-82553-70-00*** | |



**Oil Tank Harness**
Used on two stroke outboards to connect the remote oil tank with one blue 4 pin connection on each end.

| | |
|---|---|
| ***9.8 ft.- 6R3-85721-30-00*** | ***26.3 ft.- 6R3-85721-80-00*** |
| ***16.4 ft.- 6R3-85721-50-00*** | |



## Conventional Harnesses



**Fuel Management Harness**
Multifunction gauge to fuel flow sender and tank sender. Can connect up to two fuel flow senders.

***26 ft.- 6Y5-83553-F1-00***



**Fuel Flow Sender to Wire Harness Extension**
Installs between a fuel sender and the fuel sender harness to accommodate longer runs. 9.8 ft.

***6X1-82531-00-00***



**Wire Extensions Bullet Connector**
If more than one instrument is used, additional jumpers will be required. These are available color coded to match the gauge harness. 1 foot in length and available in black, blue, and yellow.

***Black: 6Y5-82117-00-00*** ***Yellow: 6Y5-82521-00-00***
***Blue: 6Y5-82149-00-00***



**2 Pin Connector to Bullet Connector Adaptor**
For use on 64D stop lanyard

***Female 2 Pin to 2 Male Bullet Connectors: 6X3-81971-00-00***
***Male 2 Pin Connector to 2 Female connectors: 6X3-81971-10-00***



**Multifunction to GPS Harness**
Connects the multifunction speedometer to a GPS input.

***6Y5-87122-S0-00***



**Tachometer Harness**
For applications with no remote control or a 701 control box. 16.4 ft.

***6Y5-83553-10-00***



**Extension Harness for remote mount PTT Switch**
Three lead bullet connector extension 6.6 ft.

***6H5-82553-00-00***

## Conventional Harnesses

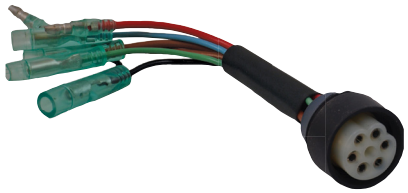
**Yamaha Main Harness to Aftermarket Control Box Connector**
The sub harness is used to connect the 10 pin harness to an aftermarket control box. It includes the connections for PTT and neutral safety switch.

***704-82541-10-00***



**Aftermarket Main Harness to Yamaha Control Connector**
This harness connects an aftermarket main harness to a 704 control box.

***704-85721-00-00***



**Oil Tank Adapter Harness Square Female to Round Male**
Used on 2 stroke engines with an in boat tank to connect the Trim and Oil Harness and oil tank harness.

***6R3-82541-00-00***



**Oil Tank Adapter Harness Square Male to Round Female**
Used on 2 stroke engines with an in boat tank to connect the Trim and Oil Harness and oil tank harness.

***6R3-82541-10-00***



**Tachometer Adapter Harness**

***6Y5-85335-10-00***

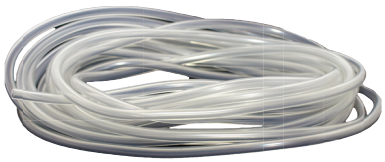


**Tachometer Adapter Harness**

***6Y5-85335-00-00***



## Conventional Harnesses



**Speedometer Tubing**
For connecting analog signal speedometers to the speed pick up.

***30' length: 6Y5-83557-10-00***
***300' length: 6Y5-83557-40-00***



**Water Temperature Sender**
Two wire sender for cooling water temperature gauges.

***688-83591-00-00***

## Conventional Accessories

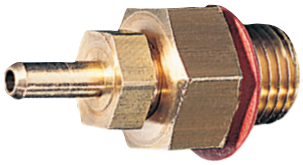
**Yamaha Engine Meters**
To help you maintain your generator at proper service intervals, the intervals are pre-programmed into this meter (10 hours initial, every 50 hours thereafter). Upon reaching the specified service interval, the meter displays a flash alert for a two-hour period.

***Deluxe Hour Meter (Hour Meter Only): ENG-METER-2C-01***
***Deluxe Hour Meter & Tachometer: ENG-METER-4C-02***




**Water Pressure Adaptor**
Provides most Yamaha Outboards a water-jacket tap with a hose barb to adapt aftermarket pressure gauges which use a 1/8″ ID (3/16″ OD) rubber hose.

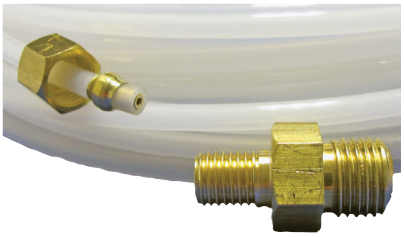
***MAR-WPRES-AD-TR***



**Water Pressure Sender**
Includes water jacket tap, hose, and nuts for installation on most Yamaha Outboards. (Ferrule and Nut 663-83668-00-00, Gasket 90430-14115-00 for gauge side)

*Included hose is 32.8 ft. in length

***688-83667-01-00***



**Water Pressure Dampener**
Installing the water pressure damper between the gauge and water tube is recommended when the pointer of analog gauge is wiggled if water pressure pulsates or to reduce a risk if water has leaked at connector end causing the gauge damage.

***6Y5-83728-00-00***



**Speedometer Pickup Sender**
The speedometer pick up can assist in high-performance applications, where the engine is mounted at elevated levels, or with the Yamaha V8 outboards without a speed pick up in the lower unit.

***688-83556-00-00***



**Fuel Flow Sensor**
Replacement sensor for use with Yamaha's fuel management and speed/fuel gauges.

***6Y5-85752-02-00***



## Charging, Starting, and Battery Cables



**Rectifier Kit**
For manual start models with a lighting coil. May require additional parts: Washer 92990-06600-00, screw 98580-05525-00, and Bolt 97013-06010-00.

***676-81970-02-00***



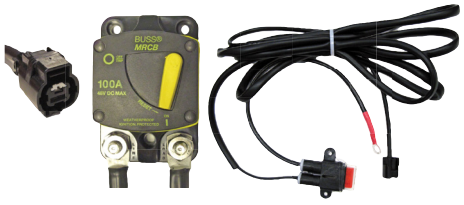
**F6/F4 Charge Kit**
Allows the customer to have voltage output from the engine. For use on current F4 and F6 engines.

***6EE-762A0-00-00***



**Lighting Coil Extension Harness**
Allows regulators and rectifiers to be mounted outside of the cowl in cases where electrical parts or portable engines may need to be removed for storage.

***682-84380-00-00***




**Battery Isolator Leads**

With 50A Circuit Protection 13.5 ft: ***MAR-69JIS-0L-ED***

Without Circuit Protection 12 ft: ***69J-81949-03-00***
For use on 2.8L outboards

4.2 L 100A Circuit Protection 14 ft: ***MAR-6CEIS-1L-ED***
(Includes circuit breaker and 14 ft. lead to battery)

4.2L without Circuit Protection: ***6KW-81949-00-00***
(Includes connection for outboard and ring terminal)

With 200A Breaker 12ft: ***MAR-6GRIS-LE-D0***

With Cable, Washer, Nut No Fuse 12ft: ***6GR-762W0-01-00***

## Charging, Starting, and Battery Cables

### 4 Stroke F6 (~04/06)*, F8, F9.9 (04/08~) Electric Start Kit

Convert a manual start engine into electric start. F6 will require additional parts listed below.

***6DR-W8180-13-00***



* Requires additional parts listed below.

| QTY | Description | Part Number |
|---|---|---|
| 1 | Starter Motor Bracket | 68T-81822-01-00 |
| 2 | Bolt | 97013-08055-00 |
| 3 | Washer | 92990-08600-00 |
| 1 | Bolt | 97014-08040-00 |
| 1 | Clamp | 90465-10098-00 |
| 1 | Clamp | 90465-08M99-00 |
| 1 | Bolt | 97080-06012-00 |
| 1 | Washer | 92990-06600-00 |

### F25C Electric Start Kit

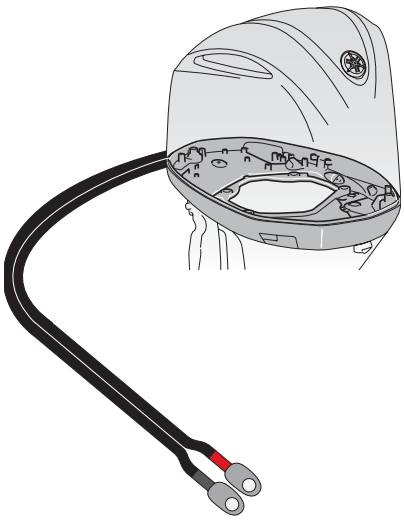
Convert a manual start engine into electric start.

***6FM-W8180-03-00***



### Battery Engine Cables

Used to connect Yamaha Outboards to 12 V batteries.



**2 Stroke Battery Cables**

| | | |
|---|---|---|
| 40-50 | 7.3ft. | 63D-82105-J1-00 |
| 60,70, 90 | 7.8 ft. | 6H0-82105-J3-00 |
| 115 | 9.4 ft. | 6R3-82105-J3-00 |
| V6 Carb | 8.5 ft. | 64D-82105-02-00 |
| V6 EFI | 8.7 ft. | 67H-82105-01-00 |
| 2.6L HPDI | 8.6 ft. | 68F-82105-01-00 |
| 3.3L Z | 11.2 ft. | 60V-82105-01-00 |
| 3.3L VZ | 8.1 ft. | 60X-82105-01-00 |

**4 Stroke Battery Cables**

| | | |
|---|---|---|
| F25C | 6.6 ft. | 6FM-82105-01-00 |
| F50-F60 | 7.3 ft. | 6C5-82105-U2-00 |
| F75-F115 | 9.3 ft. | 68V-82105-J2-00 |
| VF115 | | 68V-82105-02-00 |
| F150 | 8.6 ft. | 63P-82105-01-00 |
| VF150/175/200 | | 6DA-82105-02-00 |
| F200/F225* | 11.2 ft. | 69J-82105-01-00 |
| VF200-250 | 11.5 ft. | 6CB-82105-03-00 |
| F250 (3.3L) | 11.2 ft. | 6P2-82105-03-00 |
| V8 | 11.5 ft. | 6AW-82105-02-00 |
| 4.2L V6 | 11.5 ft. | 6CB-82105-03-00 |

## Switches and Indicators



**Pull Style Light Switch**
Two position, On - Off switch with a classic look.

***688-82520-00-00***



**On - Off Toggle Switch**
Two position toggle switch with protective cover.

***688-82526-00-00***




**Remote Mount Trim Switch**
Place trim/tilt functions right where you want them. Connects easily to main harness using the leads provided.

***688-82563-10-00***



**Lighting Rocker Switch**
These high quality attractive switches are great for adding additional components to a customer's rig.

***F1C-U8026-00-00***



**Indicator Lamp**
A durable red lamp with many useful purposes. Two lead connection.

***663-84301-01-00***




**12 Volt Accessory Socket**
Great for customers who like to use electronic gadgets or charge their cell phone on the water.

***F0K-U8284-00-00***

## Wire Connections and Circuit Protection

The wire connectors listed below are available through Marine Rigging and Parts. For a complete wiring kit, contact K&L Tools at 1-800-708-3184.

### Spade Connectors

| Type | Size | Part Number | Minimum Order Qty. |
|---|---|---|---|
| Male | 2.8 mm | 90890-06432-00 | 10 |
| Female | 2.8 mm | 90890-06433-00 | 10 |
| Male | 6.3 mm | 90890-06434-00 | 10 |
| Female | 6.3 mm | 90890-06435-00 | 10 |





### Bullet Connectors

| Type | Sockets | Part Number | Minimum Order Qty. |
|---|---|---|---|
| Male | 1 | 90890-05159-00 | 10 |
| Female | 1 | 90890-05160-00 | 10 |
| Female | 2 | 90890-06436-00 | 10 |





### Eye Connectors

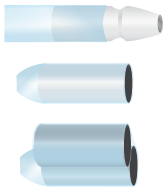
| Size | Part Number | Minimum Order Qty. |
|---|---|---|
| 4 mm | 90890-06438-00 | 10 |
| 6 mm | 90890-06439-00 | 10 |
| 8 mm | 90890-06440-00 | 10 |





### Insulators

| Type | Part Number | Minimum Order Qty. |
|---|---|---|
| Male Bullet | 90890-06441-00 | 10 |
| Female Bullet | 90890-06442-00 | 10 |
| Twin Female Bullet | 90890-05206-00 | 10 |





### Miscellaneous Connectors

| Type | Part Number | Minimum Order Qty. |
|---|---|---|
| Butt connector | 90890-06441-00 | 10 |
| 50 Pack Male Terminal Pins, trim and oil harness | 90890-06442-00 | 1 |
| 50 Pack Female Terminal Pins, trim and oil harness | 90890-06443-00 | 1 |



## Wire Connections and Circuit Protection

The fuses and breakers listed here are for reference only. Always refer to PartsManager Pro™ for the correct protection for your engine application.



### Standard Blade Fuses

| Amps | Part Number | Minimum Order Qty. |
|---|---|---|
| 5 | 1NL-82151-00-00 | 10 |
| 7.5 | 2KW-82151-00-00 | 1 |
| 10 | 42X-82151-00-00 | 10 |
| 15 | 36Y-82151-00-00 | 1 |
| 20 | 2GV-82151-00-00 | 10 |
| 30 | 1AE-82151-00-00 | 1 |
| 40 | 5EA-82151-00-00 | 1 |



### Mini Blade Fuses

| Amps | Part Number | Minimum Order Qty. |
|---|---|---|
| 2 | 5JJ-82151-80-00 | 1 |
| 3 | 67F-82151-30-00 | 1 |
| 4 | 5JJ-82151-40-00 | 1 |
| 5 | 67F-82151-20-00 | 1 |
| 7.5 | 5JJ-82151-00-00 | 1 |
| 10 | 67F-82151-40-00 | 1 |
| 15 | 67F-82151-50-00 | 1 |
| 20 | 5JJ-82151-20-00 | 1 |
| 25 | 5JJ-82151-70-00 | 1 |
| 30 | 5JJ-82151-60-00 | 1 |



### 30 mm Glass Fuses

| Amps | Part Number | Minimum Order Qty. |
|---|---|---|
| 5 | 5G2-82151-00-00 | 10 |
| 10 | 1E6-82151-00-00 | 1 |
| 15 | 1UY-82151-00-00 | 1 |
| 20 | 682-82151-02-00 | 1 |
| 30 | 705-82151-01-00 | 1 |



### 20 mm Glass Fuses

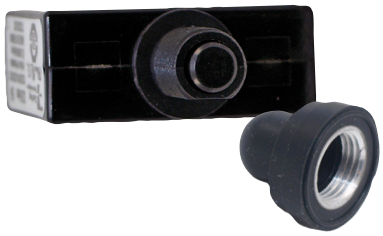
| Amps | Part Number | Minimum Order Qty. |
|---|---|---|
| 7 | 27V-82151-00-00 | 10 |
| 10 | 1A0-82151-00-00 | 1 |
| 30 | 2H7-82151-00-00 | 10 |

## Wire Connections and Circuit Protection

### Breakers

| Amp Rating | Part Number |
|---|---|
| 3 amp | F1C-U8348-10-00 |
| 4 amp | F1C-U8348-20-00 |
| 5 amp | F1C-U8348-00-00 |
| 10 amp | F1C-U8348-30-00 |
| Cover for Breaker (Screw on) | F0R-U8188-10-00 |

*Insulated cover shown is sold separately



### Fuse Cartridges

| Amps | Part Number | Minimum Order Qty. |
|---|---|---|
| 50 | 63P-82151-00-00 | 1 |
| 60 | 6P2-82151-00-00 | 1 |
| 80 | 61A-82151-00-00 | 1 |
| 100 | 6CE-82151-00-00 | 1 |



| Description | Page |
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## Fuel System Components




**10-Micron Fuel/Water Separating Filter**
They are a primary line of defense against ethanol-related fuel system issues. Highly recommended for all two stroke and four stroke EFI outboards and two stroke HPDIs. Also excellent for carbureted engines. New, improved 10-micron filter provides superior filtration ahead of the engine's onboard filters and injectors. Large filtering and water capture areas maximizing filtration while maintaining adequate flow rate for larger engines.

| Assemblies | |
|---|---|
| Assembly Stainless Steel Head | ***MAR-10MAS-10-00*** |
| Assembly Stainless Steel Head 3/8" Fittings | ***MAR-10MAS-20-00*** |
| Assembly Aluminum Head | ***MAR-10MAS-00-00*** |
| **Elements** | |
| Spin-On Filter Only | ***MAR-10MEL-00-00*** |
| Bulk pack of 12 | ***MAR-10MEL-00-BK*** |
| **Filter Heads** | |
| Aluminum Filter Head 12 Pack | ***MAR-FLTHD-00-BK*** |
| Stainless Steel Filter Head 12 Pack | ***MAR-FLTHD-10-BK*** |
| Stainless Steel Filter Head 3/8" Fittings 12 Pack | ***MAR-FLTHD-20-BK*** |
| **Mini-10™** | |
| Assembly Aluminum Head | ***MAR-M10AS-00-00*** |
| Spin-On Filter only | ***MAR-M10EL-00-00*** |




**Yamaha Remote Filter**
Spin-on element bowl and water sensor probe. Requires Yamaha Multifunction Fuel Management Gauge for water detection indication.

| Assemblies | |
|---|---|
| **Elements** | |
| 60 GPH | ***MAR-24563-00-00*** |
| 90 GPH | ***MAR-10171-20-00*** |
| **Filter Bowls** | |
| Clear Bowl without water probe | ***MAR-REPLB-OW-L1**** |
| Clear bowl with water probe | ***MAR-REPLB-OW-L2**** |
| Replacement Water Probe | ***MAR-10171-30-00*** |

** For above deck use only*

## Fuel System Components



**Portable Gas Tank**
Meets Environmental Protection Agency (EPA) regulations that became effective January 1, 2011.

25 Liter (6.6 gallon) ***6YK-24201-44-00***

12 Liter (3.1 gallon) ***6YL-24201-24-00***



**Replacement Fuel Tank Parts for EPA Style Tank**

Filler Cap with Gasket ***6YL-24610-10-00***

Filler Cap Gasket Only ***6YL-24641-10-00***

Filler Cap Lock Ring ***6YL-24629-00-00***



**Replacement Fuel Tank Parts for Pre-EPA Fuel Tank**

Filler Cap Gasket for both 6.6 and 3.1 Gallon Tanks ***MAR-COMBI-GS-KT***

Pick Assembly for 3.1 Gallon Tank ***97951-24261-00***

Pick Assembly for 6.6 Gallon Tank ***97951-24262-00***

## Fuel System Components



### Yamaha Fuel Line Assemblies

Fuel line built to last. Your engine doesn't run without fuel, so make sure it has a steady supply. Yamaha's fuel line is built to strict standards and meets EPA regulations.

| Inside Diameter | Engine Side Connection | Tank Side Connection | Length | Part Number |
|---|---|---|---|---|
| 8mm | Conventional | Conventional | 9.8 ft | 6YK-24306-64-00 |
| 6mm | Conventional | Conventional | 9.5 ft | 6YL-24306-64-00 |



### Yamaha Fuel Line

8mm Fuel line only. Primer bulb and connections are not included. Yamaha's fuel line is built to strict standards and meets EPA regulations.

| Application | Length | Part Number |
|---|---|---|
| F150 | 3.5 ft | 63P-24316-21-00 |
| F200, F225, F250 | 3.5 ft | 6P2-24314-11-00 |
| F75 / F90 / F115 | 4.3 ft | 90445-13025-00 |
| 115 / V150 / HPDI | 8.9 ft | 90445-13016-00 |



### Yamaha Bulk Fuel Line

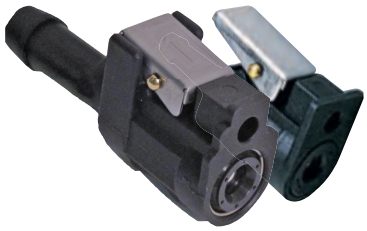
6mm and 8mm 30M Fuel line. Primer bulb and connections are not included. Yamaha's fuel line is built to strict standards and meets EPA regulations.

| Diameter | Length | Part Number |
|---|---|---|
| 6mm | 98 ft | 90798-1M599-00 |
| 8mm | 98 ft | 90798-1M598-00 |

*Yamaha recommends the use of these size Oetiker® clamps for these fuel lines 11.5mm to 14mm for 6mm fuel line/13.2mm to 15.7mm for 8mm fuel line

## Fuel System Components

### Fuel Line Connections



| Connection Description | Style | 6mm Part Number | 8mm Part Number |
|---|---|---|---|
| Hose Mounted Tank Side | Conventional | 6Y1-24305-06-00 | 6Y2-24305-06-00 |
| Hose Mounted Engine Side | Conventional | 6G1-24305-05-00 | 6E5-24305-06-00 |

### Primer Bulbs



| Size | Application | Part Number |
|---|---|---|
| 8mm | F70~F225, 2-S 115~V150 & HPDI | 6YK-24360-73-00 |
| 8mm | XTO,F350,F300, F250, 4.2L Engines | 6AW-24360-02-00 |
| 6mm | Portable Outboards | 6YL-24360-63-00 |
| 6mm | F4 / F6 Under the Cowl | 6BX-24360-10-00 |

### Miscellaneous Fuel Line Connections

Joints are used to connect two pieces of fuel line together. The plug is a great tool for plugging off open fuel line to prevent debris from entering the fuel line.



| Description | Part Number |
|---|---|
| 6mm to 8mm Joint (5 pack) | 67F-24377-00-BK |
| 8mm Joint | 6R3-24377-10-00 |
| Joint Cover | 68V-24452-00-00 |
| Plug | 689-85547-01-00 |

## 2-Stroke Oil Systems




**Oil Deck Filler Kits**
Threaded reduction fitting with deck plate and “keyless” screw-on cap. Has restrictor and oil label to deter someone from accidentally filling your oil tank with gasoline. Angled version swivels for a precise fit. Uses 11/2" ID oil-resistant hose (not included).

Straight Deck Fill ***ABB-PLATE-DE-CK***

*Replacement Parts*
*90 Degree Joint* ***6E5-24478-01-00***
*45 Degree Joint* ***ABB-JOINT-45-00***
*O-ring* ***ABB-ORING-DE-CK***
*Gasket* ***6E5-24482-00-00***



**Remote 2.8 Gallon Oil Tank Kit**
All the required parts to install a remote oil tank in one easy to order kit.

***6YR-762A0-01-00***

Kit Includes:

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Oil Tank Sub Assy (10.5L) | 6E5-21733-10-00 |
| 1 | Clamp | 90465-13M11-00 |
| 1 | Bracket, Damper Assy | 6E5-21798-01-33 |
| 1 | Hose Clamp Assy | 90450-10M07-00 |
| 1 | Nut | 95380-06600-00 |
| 1 | Clamp | 90465-10098-00 |
| 1 | Holder, Sub Oil Tank | 6E5-21734-01-33 |
| 1 | Bolt | 97080-06100-00 |
| 1 | Washer, Plain | 92990-06600-00 |
| 1 | Oil Feed Pump | 6E5-81900-01-00 |
| 1 | Oil Level Gauge | 6E5-85720-06-00 |
| 1 | Primer Bulb Assembly | 6AW-24360-02-00 |
| 1 | Oil Line | 90445-11M00-00 |

## Rigging Tubes and Grommets



**Transom Fitting for Rigging Hose**
An easy install. Just thread the Rigging Hose onto the fitting. Requires no clamp, yet provides positive engagement. Use with Rigging Grommet (sold separately) for quick, easy rigging.

| | |
|---|---|
| 2" Black | ***MAR-THRUT-RS-M2*** |
| 2.5" Black | ***MAR-TFLNG-25-BK*** |
| 2" White | ***MAR-FLNG2-0W-T0*** |
| 2.5" White | ***MAR-TFLNG-25-WT*** |
| 2.0" Chrome | ***ABA-THRUT-RA-SM*** |



**Rigging Grommet**
Choose the grommet for your engine. Simply thread the Rigging Grommet onto the Rigging Hose and thread the Transom Fitting (sold separately) onto the other end. Provides positive engagement without clamps.

| | |
|---|---|
| F75-F115, 2-Stroke 115-250 | ***MAR-GROMM-ET-01*** |
| F150 | ***MAR-GRMMT-F1-50*** |
| F200-F250 | ***MAR-GRMMT-LG-4S*** |

*Other '02 ~ V4 and V6 models include the main grommet, but requires the following hardware to attach the rigging hose.*

| | |
|---|---|
| *Fastener* | ***68F-42753-00-00*** |
| *Clip* | ***90601-20022-00*** |



**Rigging Hose**
High-quality hose is flexible, crush-resistant with UV inhibitors for added protection. Black, Gray, or Metallic Blue.

| | |
|---|---|
| 25' Black 2" (one roll) | ***MAR-RIGHS-BK-25*** |
| 25' Black 2.5" (one roll) | ***MAR-RHS25-BK-25*** |
| 100' Black 2" (two 50' rolls) | ***MAR-RIGHS-BK-50*** |
| 100' Black 2.5" (two 50' rolls) | ***MAR-RHS25-BK-50*** |
| 25' Gray 2" (one roll) | ***MAR-RIGHS-GY-25*** |
| 100' Gray 2" (two 50' rolls) | ***MAR-RIGHS-GY-50*** |
| 25' Metallic Blue 2" (one roll) | ***ABB-RIGHS-BE-25*** |
| 25' White 2" (one roll) | ***MAR-RHS20-WT-25*** |
| 25' White 2.5" (one roll) | ***MAR-RHS25-WT-25*** |
| 100' White 2" (two 50' rolls) | ***MAR-RHS20-WT-50*** |
| 100' White 2.5" (two 50' rolls) | ***MAR-RHS25-WT-50*** |

**F300B - 2.0" ; XF425 - 2.5*

## Steering System


63V-61350-00-00


689-61350-02-00


63D-61350-00-00


688-61350-10-00


6E5-61350-02-00


68T-61350-00-00


68T-61350-10-00


6G8-61350-00-00


6AH-61350-00-00


65W-61350-00-00


6BG-61350-00-00


67F-61350-00-00

**Steering Link Arm Kits**
Connects Yamaha outboards to the boat's steering system. Some Yamaha outboards will come with a steering link arm kit in the crate. Please refer to the latest Product Information Guide for more details.

| 2-Stroke Model | Steering Guide Kit |
|---|---|
| 9.9 / 15 | 63V-61350-00-00 |
| 25 / 30 | 689-61350-02-00 |
| 40 / 50 (~1995) | 689-61350-02-00 |
| 40 / 50 (1996~) | 63D-61350-00-00 |
| 60 - 90 | 688-61350-10-00 |
| 115 - 300 | 6E5-61350-02-00 |

| 4-Stroke Model | Steering Guide Kit |
|---|---|
| F8 (~04/2006) | 68T-61350-00-00 |
| F8 (04/2007~) | 68T-61350-10-00 |
| T8 | 68T-61350-00-00 |
| F9.9 (~04/2005) | 6G8-61350-00-00 |
| F9.9 (2) | 63V-61350-00-00 |
| F9.9F | 68T-61350-10-00 |
| T9.9 (~04/2005) | 6G8-61350-00-00 |
| T9.9(2) | 63V-61350-00-00 |
| T9.9B | 68T-61350-10-00 |
| F15 | 63V-61350-00-00 |
| F15C / F20 | 6AH-61350-00-00 |
| F25 (~04/2005) | 65W-61350-00-00 |
| F25C / T25C | 6BG-61350-00-00 |
| T25 (~04/2006) | 65W-61350-00-00 |
| F30 | 65W-61350-00-00 |
| F40 (1999) | 63D-61350-00-00 |
| F40 (2000~) | 65W-61350-00-00 |
| F40A | 6BG-61350-00-00 |
| F50 / T50 (1996~2004) | 63D-61350-00-00 |
| F50 / T50 (2005~) | 65W-61350-00-00 |
| F60 / T60 | 65W-61350-00-00 |
| F70 | 65W-61350-00-00 |
| F75 - F100 | 67F-61350-00-00 |
| F115B (2014~) | 6EK-61350-00-00 |
| F115 - F300 (V6) | 6E5-61350-02-00 |

## Steering System

### Steering Hooks

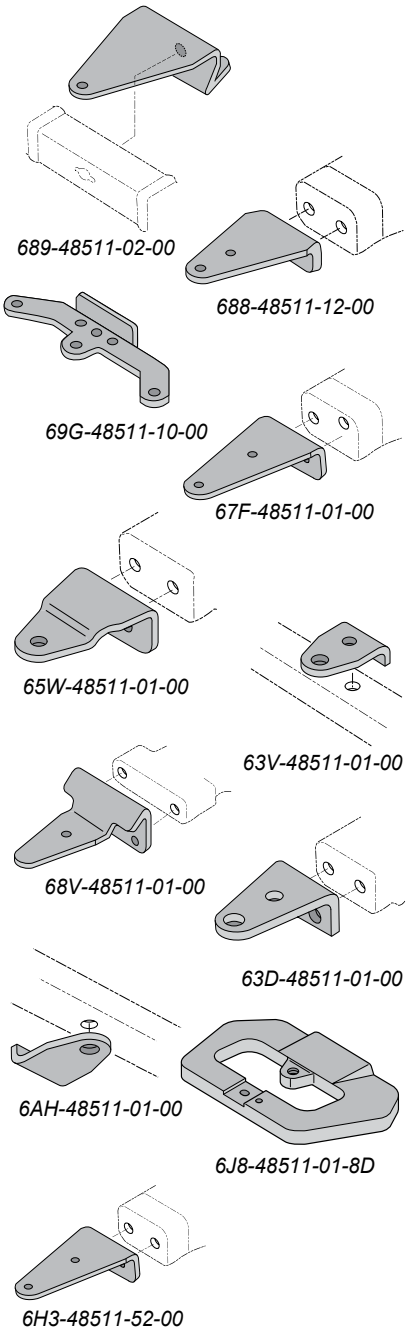
Used to attach the steering arm to the outboard. Will require bolts or studs, nuts and washers to install. Please refer to PartsManager Pro™ for additional part numbers required.

| 2-Stroke Model | Steering Hook |
|---|---|
| 9.9 / 15 | 99999-02878-00 |
| 25 (1989-1993), C40, CV40 | 689-48511-02-00 |
| 25 (2001, 2005-2007), 30 (2001) | 6J8-48511-52-00 |

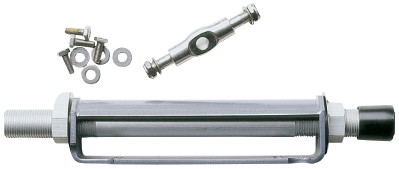
| 2-Stroke Model | Steering Hook |
|---|---|
| 40, C40, 50, C50 | 63D-48511-01-00 |
| 60, C60, 70, C70 | 6H3-48511-52-00 |
| 90, B90, C75, C85, C90 | 688-48511-12-00 |

| 4-Stroke Model | Steering Hook |
|---|---|
| F8 | 63V-48511-01-00 |
| T8 (2001) | 63V-48511-01-00 |
| T8 (except 2001) | 69G-48511-10-00 |
| F9.9-2, F9.9 (04/2006~) | 63V-48511-01-00 |
| T9.9G, T9.9A | 69G-48511-10-00 |
| T9.9 (~04/2005) | 6G8-48511-20-00 |
| T9.9-2 | 63V-48511-01-00 |
| F15 | 63V-48511-01-00 |
| F15C | 6AH-48511-01-00 |
| F20 | 6AH-48511-01-00 |
| F25 | 65W-48511-01-00 |
| T25 | 65W-48511-01-00 |
| F30 | 65W-48511-01-00 |

| 4-Stroke Model | Steering Hook |
|---|---|
| F40 (1999) | 63D-48511-01-00 |
| F40 (~2000) | 65W-48511-01-00 |
| F50 (~2004) | 63D-48511-01-00 |
| F50 (2005~) | 65W-48511-01-00 |
| T50 (~2004) | 63D-48511-01-00 |
| T50 (2005~) | 65W-48511-01-00 |
| F60 | 65W-48511-01-00 |
| T60 | 65W-48511-01-00 |
| F70 | 65W-48511-01-00 |
| F75A | 67F-48511-01-00 |
| F80 | 67F-48511-01-00 |
| F90A | 67F-48511-01-00 |
| F100 | 67F-48511-01-00 |
| F115 (06/2011~) | 68V-48511-01-00 |
| F75B / F90B, F115B | 688-48511-02-00 |



## Steering System



**Dual Steering Cable Bracket**
Strong, 7-gauge stainless construction, with aluminum steering tube. Conforms to ABYC® standards. Features a steel shield over the steering tube to provide additional protection. Fits 70–300hp engines.

***ABA-DUALS-TE-ER***

Replacement Tube (not shown) ***ABA-DUALS-TR-01***



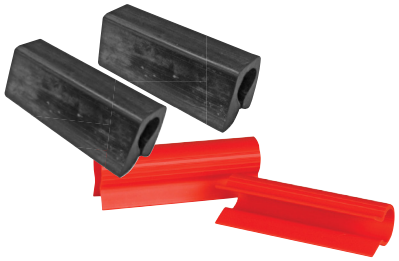
**Universal Dual Steering Bracket**
Pre-drilled to fit all major outboard motor brands. Features an aluminum steering tube and stainless steel bracket. Fits 70–300hp engines.

***ABA-42110-00-00***



**Dual Steering Tie Bar Kit**
Strong, stainless steel tie bar provides dual engine steering control for Yamaha outboards. Adjustable from 11" to 36". Includes necessary hardware.

***ABA-DUALT-IE-BR***



**Outboard Steering Centering Clips**
Outboard steering centering clips for use with front mounted hydraulic steering cylinders having an 8 inch total stroke length (side to side). Helps the outboard remain centered while trailered. The clips also help limit the load applied to the hydraulic system that may occur when an outboard is tilted and partially turned. The clips are quickly and easily installed over the hydraulic cylinder steering rods. Sold in pairs.

Black (Rubber): ***MAR-CNTRC-LP-08***

Orange: ***6ES-23326-00-00***



**Zerk Nut**
Stainless steel, with high pressure O-ring seal. Attaches to steering tube to keep lubrication in, contaminants out.

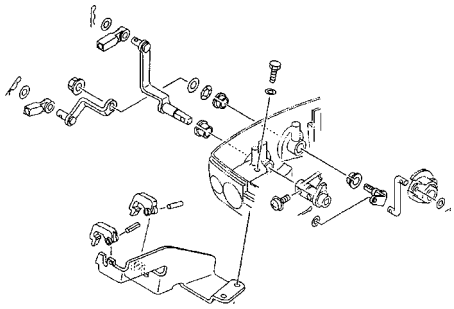
***MAR-ZERKN-UT-01***

# Remote Control Attachment Kits

The remote control kits listed below may also be listed with additional parts required to install the remote control attachment kits. For the most accurate information always refer to PartsManager Pro™.

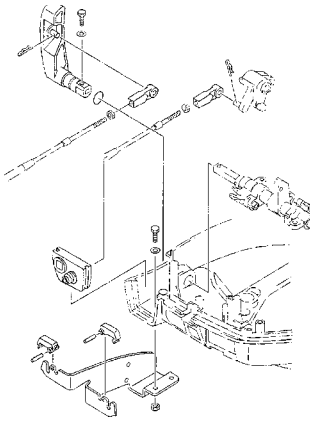
### 9.9/15 Outboards

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle & Shift Kit | 63V-48501-00-00 |
| 1 | Steering Guide Attachment | 63V-61350-00-00 |
| 1 | Longer Steering Tilt Tube | 63V-43131-10-00 |
| 1 | Steering Hook | 63V-48511-01-00 |
| 1 | Bolt | 97095-08035-00 |
| 1 | Washer | 92990-08600-00 |
| 1 | Nut | 688-48511-12-00 |



### F6/F8 Outboards

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle & Shift Kit | 6DR-48501-03-00 |
| 1 | Steering Guide Attachment | 68T-61350-00-00 |
| 1 | Steering Hook | 69G-48511-10-00 |
| 2 | Bolt | 97095-08035-00 |
| 1 | Nut | 95780-08300-00 |
| 1 | Nut | 90185-06M07-00 |
| 1 | Wire Harness (For Connection to Control) | 69G-82590-01-00 |

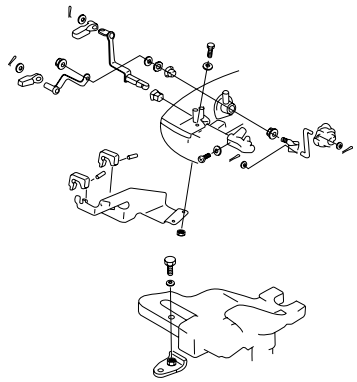


### F/T9.9 Models 85~06 1st Generation Outboards

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle & Shift Kit | 6G8-48501-03-00 |
| 1 | Steering Guide Attachment | 6G8-61350-00-00 |
| 1 | Steering Hook (Steering Guide Type) | 6G8-48511-20-00* |
| 1 | Steering Hook (Ball Post Type) | 6G8-48511-10-00 |
| 2 | Bolt | 97D95-06016-00 |
| 2 | Washer | 92990-06600-00 |
| 1 | Wire Harness (For Connection to Control) | 6G8-82580-00-00 |

*6G8-48511-20-00 Discontinued as of 02/2023

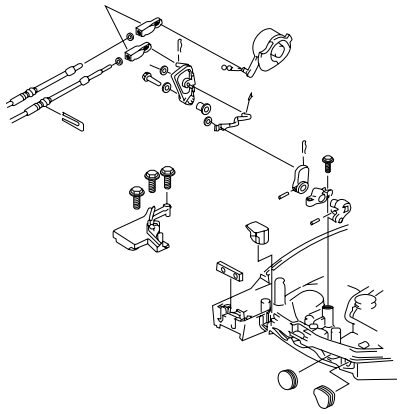
# Remote Control Attachment Kits



### F/T9.9, F15 Models 01~05 2nd Generation, F/T9.92 06~07 Outboards

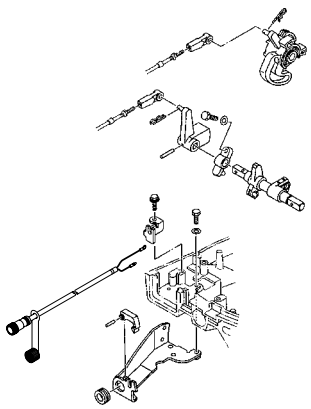
| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle & Shift Kit (Comes with hook) | 66M-48501-01-00 |
| 1 | Steering Guide Attachment | 63V-61350-00-00 |
| 1 | Longer Steering Tilt Tube | 63V-43131-10-00 |
| 1 | Wire Harness (For Connection to Control) | 66M-82590-10-00* |

*66M-82590-10-00 discontinued as of 11/2020



### F/T9.9G 08~ Outboards

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle Shift Kit F/T9.9 08~ | 6DR-48501-03-00 |
| 1 | Steering Guide Attachment | 68T-61350-10-00 |
| 1 | Steering Hook (F9.9 08~) | 63V-48511-01-00 |
| 1 | Steering Hook (T9.9 08~) | 69G-48511-10-00 |
| 2 | Bolt W/Washer | 97E75-08535-00 |
| 1 | Self-Locking Nut | 95780-08300-00 |
| 1 | Self-Locking Nut (For T9.9) | 90185-06M07-00 |
| 1 | Wire Harness (To Control For T9.9 Power Tilt) | 69G-82590-01-00 |
| 1 | Wire Harness (To Control For F9.9 Electric/Manual) | 69G-82580-02-00 |



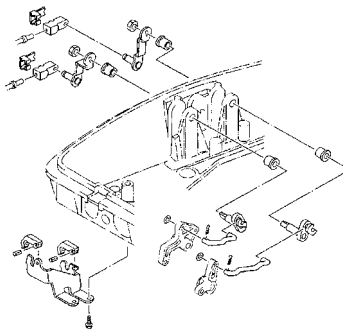
### F15C / F20 Outboards

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle and Shift Kit | 6AH-48501-02-00 |
| 1 | Steering Arm | 6AH-61350-00-00 |
| 1 | Steering Hook | 6AH-48511-01-00 |
| 1 | Bolt | 97095-08025-00 |
| 1 | Washer | 92990-08600-00 |
| 1 | Nut | 95780-08300-00 |
| 1 | Cap | 6AH-44194-00-00 |
| 1 | Wire Harness | 99999-04179-00 |
| 1 | Steering Tube for F15C only | 69A-43131-00-00 |

# Remote Control Attachment Kits

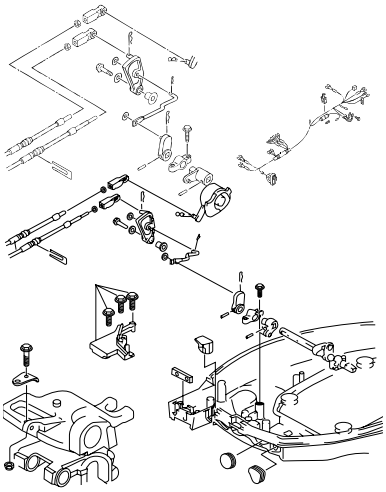
## 25E Outboards

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle & Shift Kit | 6L2-48501-11-00 |
| 1 | Steering Guide Attachment Kit | 689-61350-02-00 |
| 1 | Steering Hook | 6J8-48511-52-00 |
| 1 | Wire Harness (For Connection to Control) | 6L2-82590-00-00 |



## F25 Models SE/SM/LE/LM 09~18 Outboards

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle & Shift Attachment Kit (Comes with hook) | 6BL-48501-02-00 |
| 1 | Steering Guide Attachment | 6BG-61350-00-00 |
| 2 | Stud Bolt (For Hook) | 90116-10064-00 |
| 1 | Washer (For Hook) | 92990-10600-00 |
| 1 | Wire Harness SMHA/LMHA Models (To Control) | 6BL-82590-11-00 |
| 1 | Wire Harness SEHA/LEHA Models (To Control) | 6BL-82590-20-00 |



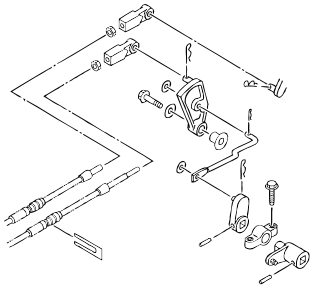
## F25C Outboards

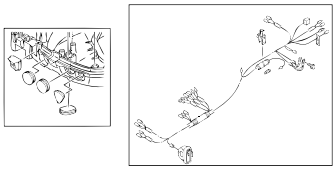
| Quantity | Description | Part Number |
|---|---|---|
| 1 | Remote Control Attachment Kit | 6FM-48501-02-00 |
| 1 | Steering Friction for W Model | 6FM-42508-12-00 |
| 1 | Steering Friction for Non-PTT Models | 6FM-42508-02-00 |

## F25 ~06 Outboards

| Quantity | Description | Part Number |
|---|---|---|
| 1 | Throttle & Shift Attachment Kit (Comes with hook) | 65W-48501-01-00 |
| 1 | Steering Guide Attachment | 65W-61350-00-00 |
| 2 | Stud Bolt (For Hook) | 90116-10063-00 |
| 2 | Nut (For Hook) | 90185-10027-00 |
| 1 | Wire Harness EH Models (Connection to Control) | 65W-82590-20-00* |
| 1 | Wire Harness MH Models (Connection to Control) | 65W-82590-40-00 |

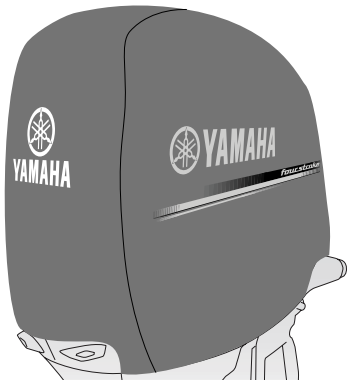
*65W-82590-20-00 discontinued as of 11/2020





## Cowling Covers

Super heavy-duty protection for your Yamaha outboard's cowling. Constructed of ultra-durable Sur Last® solution dyed polyester fabric for the ultimate protection against fading and the elements, this non-abrasive, water resistant cover is resistant to UV, mildew and mold. The cover has a soft fabric inner liner for added paint protection, and screened on factory logos for unmatched style. Includes a snap-buckle strap and stretch cord for a snug fit.










| V8 Application | Engine Cover | Lining |
|---|---|---|
| 5.6L XTO Offshore Outboards | MAR-MTRCV-RX-T0 | Yes |
| 5.3L V8 Outboards | MAR-MTRCV-11-V8 | Yes |

| V6 Application | Engine Cover | Lining |
|---|---|---|
| 4.2L Offshore Outboards (B-Generation DEC) | MAR-MTRCV-F4-20 | Yes |
| 4.2L Offshore Outboards | MAR-MTRCV-F4-2L | Yes |
| 3.3L F250 Outboards | MAR-MTRCV-11-25 | Yes |
| 3.3L F225 Outboards | MAR-MTRCV-11-00 | Yes |
| 3.3L F200 Outboards | MAR-MTRCV-11-00 | Yes |

| F40 ~ F15C Application | Engine Cover | Lining |
|---|---|---|
| F40 Outboards | MAR-MTRCV-11-40 | No |
| F30 Outboards | MAR-MTRCV-11-30 | No |
| F20 Outboards | MAR-MTRCV-11-15 | No |
| F15C Outboards | MAR-MTRCV-11-15 | No |

| F200 ~ F50 Application | Engine Cover | Lining |
|---|---|---|
| F200 (Inline) / F150B / F175 | MAR-MTRCV-F2-01 | Yes |
| F150TXR / F150A Outboards | MAR-MTRCV-1C-15 | Yes |
| F115 / F115B Outboards | MAR-MTRCV-11-50 | No |
| F100 Outboards | MAR-MTRCV-11-50 | No |
| F75 / F90B Outboards | MAR-MTRCV-F9-0B | No |
| F90B Outboards | MAR-MTRCV-11-50 | No |
| F80 Outboards | MAR-MTRCV-11-50 | No |
| F75 Outboards | MAR-MTRCV-11-50 | No |
| F70 Outboards | MAR-MTRCV-FS-70 | Yes |
| F/T50B / F/T60B | MAR-MTRCV-FS-70 | Yes |
| T/F60 Outboards | MAR-MTRCV-11-80 | No |
| T/F50 Outboards | MAR-MTRCV-11-30 | No |

| Application | Engine Cover | Lining |
|---|---|---|
| VMAX® 200/225/250 Outboards (B-Generation) | MAR-MTRCV-SH-00 | Yes |
| VMAX® 200 / 225/250 Outboards | MAR-MTRCV-ER-SH | Yes |
| 175/150 VMAX SHO® Outboards | MAR-MTRCV-15-S1 | Yes |
| 115 VMAX SHO® Outboards | MAR-MTRCV-11-5S | No |
| VMAX 90 SHO® Outboards | MAR-MTRCV-VF-90 | No |

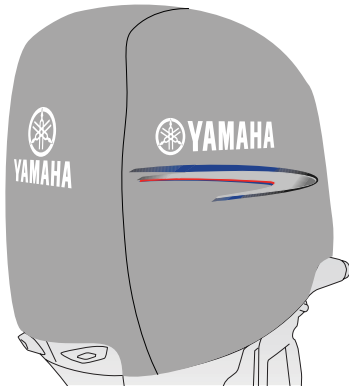
| V6 Application | Engine Cover | Lining |
|---|---|---|
| VMAX HPDI 2.6L Outboards | MAR-MTRCV-11-10 | Yes |
| VMAX HPDI 3.3L Outboards | MAR-MTRCV-1M-30 | Yes |
| P, V, VX, D, DX 2.6L VMAX® Outboards | MAR-MTRCV-11-V6 | Yes |
| VX VMAX® 3.1L Outboards | MAR-MTRCV-1M-20 | Yes |

## Cowling Covers

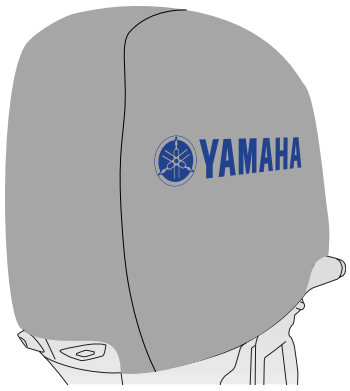
| Application | Engine Cover | Lining |
|---|---|---|
| S, SX, L, LX 150 - 250 Outboards | MAR-MTRCV-11-SS | Yes |




| Application | Engine Cover | Lining |
|---|---|---|
| HPDI 2.6L Outboards | MAR-MTRCV-11-11 | Yes |
| HPDI 3.1L Outboards | MAR-MTRCV-11-20 | Yes |




| Application | Engine Cover | Lining |
|---|---|---|
| 150 - 200 2 Stroke Outboards | MAR-MTRCV-ER-70 | No |
| 115 - 130 2 Stroke Outboards | MAR-MTRCV-ER-60 | No |
| C75 - 90 2 Stroke Outboards | MAR-MTRCV-ER-40 | No |
| 30 - 70 2 Stroke Outboards | MAR-MTRCV-ER-20 | No |
| 6 - 25 2 Stroke Outboards | MAR-MTRCV-ER-10 | No |
| F25C | MAR-MTRCV-F2-5C | No |
| F25 Outboards | MAR-MTRCV-ER-20 | No |
| F4 - F15 Outboards | MAR-MTRCV-ER-10 | No |




| Description | Cover |
|---|---|
| Tuning Fork Logo Spare Tire Cover | MAR-TIREC-OV-ER |
| Skeeter® Logo Spare Tire Cover | MAR-TIREC-OV-SK |
| Propeller Cover | MAR-PROPB-AG-BK |



# Custom Cowling Graphics

**F9.9 / T9.9 (01/13~) Cowling with VMAX SHO® graphics**
The top cowling allows both engines to have matching graphics in applications where a kicker motor is used along with a VMAX SHO® V6 outboard. Fits 9.9hp engine with factory 6EA cowling.
***6EA-42610-V2-00***




**Custom Color Cowling Graphics**
These graphics packages allow the customer to customize their motors to match the colors of their boat with ease. The current offerings are some of the most popular colors but further offerings can be purchased from: Universal Products, Inc. www.u-p.com. Contact them directly for color libraries as well as pricing.




| | 300 | 250 | 225 | 200 | 150 |
|---|---|---|---|---|---|
| Blue Metallic | MAR426KT2701 | MAR426KT7001 | MAR426KT7301 | MAR184KT6001 | DISCONTINUED |
| Silver Metallic | MAR426KT2702 | MAR426KT7002 | MAR426KT7302 | MAR184KT6002 | MAR184KT5802 |
| Canary Yellow | DISCONTINUED | MAR426KT7003 | MAR426KT7303 | DISCONTINUED | DISCONTINUED |
| Fire Red | DISCONTINUED | DISCONTINUED | MAR426KT7304 | DISCONTINUED | DISCONTINUED |
| Apple Green | MAR426KT2705 | DISCONTINUED | MAR426KT7305 | DISCONTINUED | DISCONTINUED |
| Magnesium Metallic | MAR426KT2706 | MAR426KT7006 | MAR426KT7306 | DISCONTINUED | DISCONTINUED |
| Dark Bronze Metallic | DISCONTINUED | DISCONTINUED | MAR426KT7307 | DISCONTINUED | DISCONTINUED |
| Copper Metallic | MAR426KT2708 | MAR426KT7008 | MAR426KT7308 | DISCONTINUED | DISCONTINUED |

## Engine Security

**McGard® Outboard Lower Unit Lock Bolt**
The lock is designed to secure the lower unit to the mid-section of the outboard while in storage, on the trailer, or in use. A free-spinning collar turns if attacked by gripping tools, helping protect against costly lower unit theft. Simply replace one of the standard lower unit mounting bolts with a McGard® lower unit locking bolt. Use the included special key to remove the McGard® lower unit locking bolt when removal of the lower unit is required. Stainless steel, through hardened construction. Fits Yamaha outboards F75 - F350 without 5" extension.

***MAR-LWRUN-LK-00***



**McGard® Wheel Locks**
McGard®'s easy to use, one-piece wheel lock functions like a regular lug nut, but requires a special key tool for installation and removal. Its design allows for an unlimited number of different computer generated lock and key patterns. This unique wheel lock system is continually being refined and improved upon. McGard® Locks are made right here in the United States to meet or exceed O.E.M. standards for safety and durability.

Single Axle Trailer (2 locking nuts): ***MAR-TRLK7-40-42***

Dual Axle Trailer (4 locking nuts): ***MAR-TRLK7-40-41***



**Prop Lock**
Helps protect your propeller investment. Easy-to install and cost effective. Does not interfere with operation (i.e., motor can be used with a lock installed). Suitable for use on regular and counter rotating props.

115hp ~ V6 Outboards: ***MAR-PRLK7-40-40***

40hp ~ 90hp Outboards: ***MAR-PLOCK-KE-Y1***



# General Engine Accessories



### Engine Mounting Bolts

| Application | Length | Part Number |
|---|---|---|
| 25 - 40 | 100mm (3.9 in) | 90101-12M37-00 |
| 25 - 90 | 95mm (3.7 in) | 90101-12062-00 |
| 25 - 90 | 105mm (4.1 in) | 90101-12063-00 |
| 75 - 200 | 115mm (4.5 in) | 90101-12064-00 |
| 90 - 250 | 130mm (5.1 in) | 90101-12065-00 |
| 115 - 300 | 150mm (5.9 in) | 90101-12066-00 |
| 350 - 425 | 150mm (5.9 in) | 90101-12067-00 |
| 350 - 425 | 170mm (6.7 in) | 90101-12068-00 |
| 350 | 85mm (3.3 in) | 90101-12071-00 |
| 350 - 425 | 110mm (4.3 in) | 90101-12072-00 |
| 350 - 425 | 180mm (7 in) | 90101-12073-00 |
| 350 - 425 | 200mm (7.9 in) | 90101-12074-00 |
| 350 - 425 | 210mm (8.2 in) | 90101-12069-00 |
| 350 - 425 | 230mm (9 in) | 90101-12070-00 |

*M12 Washer 90201-12426-00 (Qty 4), 90201-13M01-00 (Qty 8), M12 Nut 95380-12600-00 (Qty 8)
see Info Exchange RP2020-009




### XTO Ram Tilt Motor Support

Trailering Motor Support with Yamaha Tuning Fork logo designed for XTO® only, requires two per engine.

***MAR-MTSPT-GR-00***

### Trailer Support For Single Trim Ram Models

Designed to work with T25 - F115B.

***MAR-MTSPT-SR-00***




### Trailer Support (Twin Trim Ram Models)

One Yamaha Motor Trailering Support will provide adequate support for the F115 - V6 four-stroke and all 70 - 300 two-stroke models while trailering. V8 models require two supports. The Yamaha Motor Trailering Support is quickly and easily installed over the port trim rod on F115 - F250 four-stroke and all 70 - 300 two-stroke models or both trim rods on the V8 models. Fits F115 - F350 Four-Stroke and all 70 - 300 Two-Stroke models with Power Trim and Tilt. Does Not work with new F115B.

***MAR-MTSPT-YM-10***




### Yamaha Transom plate

A great way to add style and show off your Yamaha Pride. Laser Etched with the Yamaha Logo.

F30A ~ V6,V4 outboards: ***YMM-09TP0-00-01***

V8 outboards: ***YMM-09TP0-00-02***

## General Engine Accessories

### Engine Flushers

Connects in seconds to a common garden hose to flush out harmful sand, salt, and other contaminates.

| Application | Part Number |
|---|---|
| VZ225, VZ250, VZ300, V-MAX SHO® | MAR-FLUSH-ER-VF |
| 3, 4, 5, 9.9, FT9.9, 15 and all jet drive | ABB-FLUSH-JD-00 |
| 6, 8, 25-Z300HP | ABB-MOTOR-FL-SH |



MAR-FLUSH-ER-VF



ABB-FLUSH-JD-00

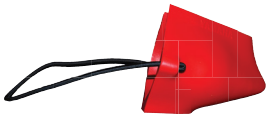
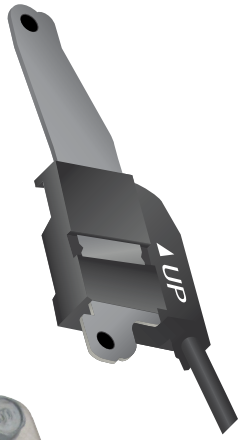


ABB-MOTOR-FL-SH

### Tilt Limiters

The tilt limiter for the new Yamaha Outboards was introduced to assist in customer satisfaction. The new limiter will help improve customer satisfaction in applications where the top cowling would come in contact with the boat at full tilt. Please select the correct tilt limiter from the charts below.






**Tilt Limiter for Mechanical Controlled F115, F150, F200 (inline) & VMAX SHO® Outboards**

| Model | Serial Number Range | Part Number |
|---|---|---|
| F115 / F115B / VF115 | 68V 1124466 / All F115B and VF115 | 63P-825EY-02-00 |
| LF115 / LF115B | 68W 1005001~ / All LF115B | 63P-825EY-02-00 |
| F150 / VF150 / F175 / VF175 / F200 | 63P 1106291~ | 63P-825EY-02-00 |
| LF150 | 64P 1013389~ | 63P-825EY-02-00 |
| VF200 | 6CD 1000832~ | 63P-825EY-02-00 |
| VF225 | 6CC 1001056~ | 63P-825EY-02-00 |
| VF250 | 6CB 1002436~ | 63P-825EY-02-00 |

**Tilt Limiter for DEC Controlled 4.2L Offshore Outboards & F200 (inline) DEC Outboards**

| Model | Production Date Range | Part Number |
|---|---|---|
| F200 (inline) / F225 | 01/2012 ~ | 6CE-825EY-02-00 |
| F250 | 01/2012 ~ | 6CE-825EY-02-00 |
| F300 | 01/2012 ~ | 6CE-825EY-02-00 |

**Tilt Limiter for F75, F90 Outboards**

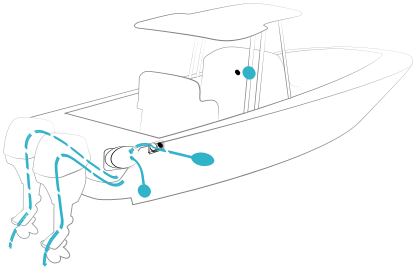
| Model | Production Date Range | Part Number |
|---|---|---|
| F75 | 01/2012~ | 6D8-825EY-01-00 |
| F90 | 01/2012~ | 6D8-825EY-01-00 |

**Tilt Limiter for F50, T50, F60, T60, F70 Outboards**

| Model | Production Date Range | Part Number |
|---|---|---|
| F50 | 04/2012~ | 6C5-825EY-00-00 |
| F60 | 04/2012~ | 6C5-825EY-00-00 |
| F70 | 04/2012~ | 6C5-825EY-00-00 |

# General Engine Accessories





## Automatic Flushing System (All Models)

Connects in seconds to flush out harmful sand, salt, and other contaminates.

| Application | Part Number |
|---|---|
| Single Engine Fitting Kit | MAR-FLSHF-T1-00 |
| Twin Engine Automatic Flushing System | MAR-FLUSH-20-00 |
| Twin Engine Fitting Kit | MAR-FLSHF-T2-00 |
| Triple Engine Automatic Flushing System | MAR-FLUSH-30-00 |
| Triple Engine Fitting Kit | MAR-FLSHF-T3-00 |
| Quad Engine Automatic Flushing System | MAR-FLUSH-40-00 |
| Quad Engine Fittings Kit | MAR-FLSHF-T4-00 |

## Flushing Installation Components

| Component | Part Number |
|---|---|
| Remote Switch w/ 3' Harness Assembly | MAR-FLSHS-W6-00 |
| Remote Switch w/ 9' Harness Assembly | MAR-FLSHS-W1-20 |
| Remote Switch w/ 15' Harness Assembly | MAR-FLSHS-W1-80 |
| Remote Switch w/ 19' Harness Assembly | MAR-FLSHS-W1-90 |
| Inlet Hose Install Kit - 3' | MAR-FLSHH-S3-00 |
| Inlet Hose Install Kit - 6' | MAR-FLSHH-S6-00 |
| Inlet Hose Install Kit - 9' | MAR-FLSHH-S9-00 |
| Quick Disconnect Deck Kit with 1/2" MNPT x 3/4" Hose Barb Straight Fitting | MAR-FLSHQ-D0-00 |
| Quick Disconnect Deck Kit with 1/2" MNPT x 3/4" Hose Barb 90 degree Elbow | MAR-FLSHQ-D9-00 |
| Quick Disconnect Mounting Kit - Standard | MAR-FLSQD-KS-00 |
| Quick Disconnect Mounting Kit - 90 Degree Turn | MAR-FLSQD-K9-00 |
| Quick Disconnect Mounting Kit - 180 Degree Turn | MAR-FLSQD-K1-80 |
| Quick Disconnect Mounting Kit - 270 Degree Turn | MAR-FLSQD-K2-70 |
| Quick Disconnect Mounting Kit - No Switch | MAR-FLSQD-K0-00 |
| 1/2" ID Bulk Flushing Hose 25' Roll | MAR-FLSHH-S2-50 |

*See www.reversopumps.com for more information

sirenmarine® Connected Boat®

| Product | Part Number |
|---|---|
| **Siren 3 Pro** | |
| Siren 3 Pro, 917 MHz Band | 6X8-85B11-00-00 |
| **Siren 3 Pro Sensors** | |
| Wireless Sensor Siren 3 Battery | 6X8-85B21-00-00 |
| Wireless Sensor Siren 3 Bilge | 6X8-85B23-00-00 |
| Wireless Sensor Siren 3 Entry | 6X8-85B24-00-00 |
| Wireless Sensor Siren 3 High Water | 6X8-85B22-00-00 |
| Wireless Sensor Siren 3 Temperature | 6X8-85B25-00-00 |
| Sensor, Canvas Snap Cover | 6X8-85B31-00-00 |
| Sensor, Infrared Motion | 6X8-85B32-00-00 |
| Switch, Magnetic Reed | 6X8-85B41-00-00 |
| Sensor, Micro ePIR Motion | 6X8-85B33-00-00 |
| **Siren 3 Pro Accessories** | |
| SirenSat Offshore | 6X8-85B82-00-00 |
| Sensor Plug, Shore Power | 6X8-85B34-00-00 |
| Relay, AC Shore Power | 6X8-85B51-00-00 |
| AC Relay, 240v AC | 6X8-85B52-00-00 |
| Relay, DC Accessory | 6X8-85B53-00-00 |
| Audible Alarm | 6X8-85B61-00-00 |
| Blue Sea Systems® Battery Switch 7713 | 6X8-85B42-00-00 |
| NMEA 2000® Cable and T Connector, S3P | 6X8-82521-00-00 |
| Wiring Cable 2, S3P | 6X8-8356N-00-00 |
| External GPS Antenna | 6X8-85B81-00-00 |
| Remote Cellular & GPS Antenna: Adhesive-Mount Puck | 6X8-85B83-00-00 |
| Remote Cellular & GPS Antenna: Threaded-Mount Dome | 6X8-85B84-00-00 |
| Wireless Battery Replacement | 6X8-85B71-00-00 |



# Siren 3 Pro

## Siren Marine's Next Gen Technology

Welcome to the next gen tech – providing the ultimate Connected Boat® experience that keeps you connected 24/7 regardless of boat size, type or use. Together with our easy-to-use App & offering global cellular & optional satellite connectivity, our smart boat device connects you to your boat anywhere, anytime. Control your boat's lights, A/C & digital switching systems from the palm of your hand.

Siren Marine provides remote monitoring, helping your boat stay safe, secure & ready to enjoy.

Available on the App Store

GET IT ON Google Play

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## Propeller Quick Reference Chart

With all that Yamaha has to offer in regard to propellers, virtually any boat can perform at its peak. From large offshore boats to family and watersports boats to the fastest of bass and bay boats, Yamaha has a propeller solution that's just right for your customers' application.

| Propeller Series | Recommended Boat Application | **RH** F25 and 20-30 (3.0" Gearcase) | **RH** T25, F30-F60 and 40-55 (3.5" Gearcase) | **RH** T50, T60, F70-F115 and C60-130 (4.25" Gearcase) | **LH** T50, T60, F70-F115 and C60-130 (4.25" Gearcase) | **RH** 150-300 and F150 - F300 (V6) (4.75" Gearcase) | **LH**150-300 and F150 - F300 (V6) (4.75" Gearcase) | **RH** V8 (5.25" Gearcase) | **LH** V8 (5.25" Gearcase) | **RH** XTO (6.0" Gearcases) | **LH** XTO (6.0" Gearcases) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Yamaha Propeller Available Pitches | | | | | | | | | |
| Aluminum | Family, Water Sports, Medium, and Small Boats | 8-14 | 8-17 | 11-25 | | 15-23 | | | | | |
| Talon® | Medium and Small Boats | | | 9-16 | | | | | | | |
| Talon SS® | Medium and Small Boats | | | 14-24 | 14-20 | | | | | | |
| Talon GP® | Medium and Small Boats | | | 14-18 | | | | | | | |
| Talon® SS4 | Medium and Small Boats | | | 14-23 | | | | | | | |
| Talon Pontoon® | Family, Water Sports, Medium, and Small Boats | | | 9-13 | | | | | | | |
| Dual Thrust | Family and Water Sports | 81/4 | 9 | 11 | | | | | | | |
| Painted Stainless Steel | Family, Water Sports, Medium, and Small Boats | 12-13 | 11-16 | 14-23 | 17-21 | 13-23 | 15-23 | | | | |
| Performance 3 | Family, Water Sports, Medium, and Small Boats | 10-14 | 12-15 | 14-24 | 14-22 | 14-26 | 14-22 | | | | |
| Performance 4 | Bass, Bay, and Flats Boats | | | | | 18-26 | | | | | |
| Performance XT | Bass, Bay, and Flats Boats | | | | | 23-27 | | | | | |
| Saltwater Series XL4 | Large Boats | | | | | | | 15-17 | 15-17 | | |
| Saltwater Series XL4–HP | Large Boats | | | | | | | 22-24 | 22-24 | | |
| PRO | Bass, Bay, and Flats Boats | | | | | 21-27 | | | | | |
| Reliance® SDS | Family, Water Sports, Medium, and Small Boats | | | | | 13-21 | 14-21 | | | | |
| Saltwater Series HS4-SDS | Large Boats | | | | | 21-23 | 21-23 | | | | |
| Saltwater Series® II - SDS | Family, Water Sports, and Large Boats | | | | | 13-23 | 13-23 | | | | |
| Saltwater Series XL® - SDS | Large Boats | | | | | | | 15-23 | 15-23 | | |
| V MAX SHO® (ventless) | Bass, Bay, and Flats Boats | | | | | 22-29 | | | | | |
| XTO OS® | | | | | | | | | | 15-26 | 15-26 |
| XTO EC® | | | | | | | | | | 16-26 | 16-26 |

## Propeller Quick Reference Chart

| Propeller Series | Recommended Boat Application | **RH** F25 and 20-30 (3.0" Gearcase) | **RH** T25, F30-F60 and 40-55 (3.5" Gearcase) | **RH** T50, T60, F70-F115 and C60-130 (4.25" Gearcase) | **LH** T50, T60, F70-F115 and C60-130 (4.25" Gearcase) | **RH** 150-300 and F150 - F300 (V6) (4.75" Gearcase) | **LH** 150-300 and F150 - F300 (V6) (4.75" Gearcase) |
|---|---|---|---|---|---|---|---|
| | | **Turbo Propeller Available Pitches** | | | | | |
| Fusion 4 | Bass, Bay, Flats, and Large Boats | | | | | 21-26 | 21-23 |
| FX4 | Bass, Bay, Flats, Medium, and Small Boats | | | 14-25 | | | |
| FXP™ | Bass, Bay, and Flats Boats | | | | | 22-27 | |
| Hot Shot | Medium and Small Boats | 10-15 | 10-19 | | | | |
| Lightning | Bass, Bay, and Flats Boats | | | | | 17-21 | |
| Offshore 1 | Bass, Bay, Flats, and Larger Boats | | | | | 15-26 | 15-26 |
| Offshore 2 | Large Boats | | | | | 15-25 | 15-25 |
| Pontoon 1 | Family, Water Sports, Medium, and Small Boats | | 9-15 | 9-15 | | | |
| Quest™ 3 Blade | Family, Water Sports, Medium, and Small Boats | | | 15-21 | | | |
| Quest™ 4 Blade | Family, Water Sports, Medium, and Small Boats | | | 14-21 | | | |
| Turbo® 1 | Family, Water Sports, Medium, and Small Boats | | | 13-23 | | 13-25 | 15-21 |
| Turbo 2+2 | Bass, Bay, and Flats Boats | | | | | 16-24 | |
| Turbo 2+2OT | | | | | | 18-26 | |
| TXP™ | Bass, Bay, and Flats Boats | | | | | 21-31 | |
| TXP OT4 | Bass, Bay, and Flats Boats | | | | | 23-31 | |
| Ultima 4 | Bass, Bay, Flats, Medium, and Small Boats | | | | | 13-23 | 13-23 |
| Vector | Family and Water Sports | | | | | 21-25 | 21-25 |

## Yamaha Propeller Descriptions

**Endless Propeller Solutions By Yamaha**
With all that Yamaha has to offer in regard to propellers, virtually any boat can perform at its peak. That includes yours. From large offshore boats to family and watersports boats to the fastest of bass and bay boats, Yamaha has a propeller solution that's just right for your application. Yamaha propeller solutions. Well beyond expectations.



**Plastic Propellers**
- Ideal for those who run in debris filled water.
- Available for the 2 HP two stroke or the T9.9 four stroke



**Aluminum**
- Low cost
- Lightweight
- Good all-around performance
- Wide variety of applications



**Dual Thrust™**
- Large diameter and large blade design
- Low pitch and rake angle
- Large oversized exhaust tube to redirect exhaust in reverse for better reverse thrust
- Perfect for sailboats and pontoons
- Designed for Yamaha High Thrust outboards and also works well on midrange outboards



**Painted Stainless Steel**
- Excellent general purpose propeller
- More durable than aluminum
- Wide variety of applications in left and right-hand rotation

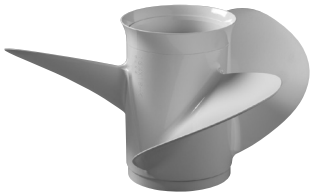
**Talon**
- Shift Dampener System (SDS®)
- High efficiency, low slip design
- Lightweight aluminum
- Excellent for Pontoon, Deep V, Walleye, and Fiberglass boats



**Talon SS**
- Shift Dampener System (SDS®)
- High efficiency, low slip design
- Excellent for light bass, flats, and small to medium boats with mid-range power



**Talon GP**
- Special blades provide excellent “grip” on the water
- Ideal for a variety of lighter weight boats
- Shift Dampener System (SDS®)



**Talon Pontoon**
- Use on twin-log pontoon boats and some deck boats, sailboats, and utility/work boats where extra thrust, maneuverability, and control are needed.
- Ideal for many applications using Yamaha’s F70 outboard.
- Resists ventilation, particularly in turns and at high engine trim levels



**Talon SS4**
- Special blades provide excellent “grip” on the water
- Ideal for a variety of lighter weight boats
- Shift Dampener System (SDS®)



**Performance 3**
- Shift Dampener System (SDS®) M/T Series
- Excellent general purpose propeller
- More durable than aluminum
- Wide variety of applications in left and right-hand rotation



**PRO™**
- Excellent performance choice for bass, bay, or flats boats
- Improved bow lift
- Vented exhaust



# Propellers




**Reliance**
- Shift Dampener System (SDS®)
- CAD-designed to increase performance
- Resists ventilation and improves overall grip



**Performance 4**
- Improved hole shot and overall grip
- Excellent in rough water or on applications requiring high engine mounting heights



**Performance XT™**
- Large, long blade design
- Increased strength and durability
- Perfect for heavier bass boats with jack plates or high engine mounting height




**V MAX SHO**
- Ultimate performance for V MAX SHO® four stroke outboards
- Excellent for bass, bay, and flats boats
- Awesome acceleration and top speed
- Ventless exhaust
- Incredible performance and handling
- Right-hand rotation only




**Saltwater Series HS4™**
- Shift Dampener System (SDS®)
- Excellent acceleration, quick planing, and maximum grip
- Resists ventilation in rough or following seas
- Designed for Yamaha V6 outboards




**Saltwater Series II**
- Shift Dampener System (SDS®)
- Large diameter blade design
- Aggressive rake and extra cup
- Superior fuel efficiency




**Saltwater Series II HP**
- This stainless-steel, three-blade propeller can boost top-end speed
  on lightweight center consoles, flat/bay boats and more.

**Saltwater Series XL**
- Shift Dampener System (SDS®)
- Designed specifically for Yamaha V8 outboards
- Large blade and large diameter for maximum thrust
- Excellent acceleration and quick planing




**Saltwater Series XL4**
- Shift Dampener System (SDS®)
- Improved acceleration and grip
- Quick planning and reduced ventilation
- Excellent for large V8 powered offshore boats



**Saltwater Series XL4 - HP**
- Shift Dampener System (SDS®)
- Improved acceleration and grip
- Quick planing, advanced blade designed specifically for Yamaha V8 outboards
- Excels on stepped hull, high speed, high horsepower offshore center console boats



**TRP**
- 60% more blade surface provides transom lifting performance like no other.
- Outstanding handling, greater thrust and unmatched hole shot.
- Requires a TRP (Twin Rotating Propeller Lower Unit)



**Small Hub Series**
- Highly-specialized propeller designed for specific applications
- Features a “exhaust-over-the-hub” design, allowing the outboard to develop rpm quicker for faster hole shots.



**XTO OS**
- Made to complement the torque potential of the Yamaha V8 XTO Offshore®
- Works in conjunction with the XTO Offshore® lower unit to produce massive thrust in both forward and reverse
- Increased blade surface area is designed for moving large boats and yachts




**XTO EC**
- Helps alleviate ventilation that can occasionally occur due to the immense torque potential of Yamaha’s revolutionary 5.6L V8 XTO Offshore® outboard
- XTO EC® propellers use large diameter and specifically-designed blade surface area to push a large column of water
- Designed with extra trailing edge cup to help the blades hold water longer for better grip in applications where ventilation can be an issue



## Turbo Propeller Descriptions



**2+2 TH**
- Excellent sterndrive and V6 four-stroke outboard propeller
- Advanced blade geometry helps maximize performance on deeply submerged drive units
- Improved hole shot, acceleration and ability to effectively power heavier loads than typical three-bladed propellers
- Ideal for water sports or family boating



**2+2 OT**
- Over and thru hub exhaust
- Better acceleration and grip
- Excellent load carrying ability
- Fits a wide variety of V6 outboard applications




**Fusion 4**
- Advanced design with aggressive rake, progressive pitch
- Through hub vented exhaust
- Excellent for high horsepower sterndrive and outboard “surfacing” applications in single or multi engine configurations
- Excels on stepped hull offshore boats



**FX4**
- Improved bow and stern lift
- Improved acceleration and load carting ability
- Excellent for flats or shallow water boats
- Works well on a broad range of smaller boats and applications




**FXP™**
- Designed specifically for ultra-high-performance four-stroke outboards like Yamaha’s V MAX SHO®
- Excels in hole shot, acceleration, top speed and handling; all at tournament loads
- Minimal bow rise, steering torque, and operator fatigue
- Excellent for light, high performance bass, bay and flats boats



**Hot Shot**
- Ideal for smaller boats and outboards
- Reduced slip and resistance to ventilation
- Increased performance and fuel efficiency
- Increased durability over aluminum

**Lightning**
- Aggressive pitch, high rake angle, and large diameter
- Excellent speed, handling, and bow lift
- Thick blades increase strength, longevity, and durability
- Ideal for heavier designed bass and flats boats with high engine mounting heights
- Designed for Yamaha V6, MERCURY®, Johnson®/Evinrude® V6/V8, and Suzuki®




**Offshore I & II**
- Excellent for V6 offshore-type applications in single or multiple engine configurations
- Offshore I = 4-blade design/Offshore II = 3-blade design
- Superlative load carrying ability, transom & bow lift for large heavy offshore boats using outboard power
- Outstanding speed and fuel efficiency at cruising RPM's
- Reduced ventilation and slip in rough or following seas




**Pontoon 1**
- Use on twin-log pontoon boats and some deck boats, sailboats, and utility/work boats where extra thrust, maneuverability, and control are needed.
- Ideal for many applications using Yamaha's F70 outboard.
- Resists ventilation, particularly in turns and at high engine trim levels



**Quest™**
- Very well suited for smaller utility/work boats and Yamaha F70 applications
- Available with 3 or 4 blades




**Turbo 1**
- Turbo's most popular and best "all around" performance propeller
- Suitable for most 3 and 4 cylinder outboards and V4/V6 outboards, as well as stern drives and Johnson®/Evinrude® V8 outboards
- Enhanced bow lift, excellent performance, and handling characteristics for medium to heavily loaded boats






**TXP™**
- Excellent high-horsepower, high-speed propeller for very light, high speed boats, particularly those using high engine mounting heights or a hydraulic jack plate and having naturally greater bow lift “built-in”
- Aggressive pitch and cupping
- High rake angle
- Excellent for surface piercing applications



**TXP™ OT4**
- Excellent high-horsepower, high-speed propeller for very light, high-speed boats, particularly those using high engine mounting heights or a hydraulic jack plate and having naturally greater bow lift “built-in”
- Faster hole shots and quicker acceleration
- Over and thru hub exhaust helps develop rpm rapidly
- Very aggressive pitch and high rake angle
- Large diameter and advanced trailing edge blade cupping
- Excellent in surface piercing applications



**Ultima 4**
- Suitable for V6 outboards utilizing a high engine mounting or operating height, including those with jack plates
- Excellent for bay and flats boats due to stern lift at hole shot and during acceleration
- Excellent performance with improved bow and transom lift
- Resists ventilation and slip in turns and at high engine trim levels




**Vector**
- Specifically for sterndrives where the props ride fully submerged
- Also works well on heavier 22’-27’ boats, particularly with twin engines
- Faster hole shots and improved planing
- Excellent bow lifting characteristics
- Good performance in rough water

**What does the Yamaha propeller series mean?**
The propeller series simply relates to the gearcase diameter. See the chart below for more information.

| Propeller Mark | Model | Gear Case Diameter | Spline Count |
|---|---|---|---|
| A | 2 | 1.75” | Shear Pin, no Spline |
| BS | F2.5 | 2.00” | 9 |
| B | 4, 5 | 2.00” | 9 |
| BA | 4, 5, F4, F4A, F6A | 2.00” | 9 |
| N | 6, 8, F6, F8 | 2.25” | 7 |
| R | T8, T9.9 | 2.50” | 8 |
| J | 9.9 ~ F20 | 2.50” | 8 |
| F | 20~30, F25 | 3.00" | 10 |
| G | 40~55, T25~F60 | 3.50" | 13 |
| K, KL | 60~130, T50~F115 | 4.25" | 15 |
| M/T, ML/TL | 150~300, F150 ~ F300 (4.2L V6) | 4.75" | 15 |
| X, XL | F300/F350TR (V8) | 5.25" | 17 |
| Y | F425, F450 | 6.00" | 18 |

# How to Pick a Propeller

When it comes to 'proper propping', there's no one particular prop that's perfect for all boat types and engine applications due to the litany of performance variables, but there are ways to 'hone in' on what you need. As a general rule, the correct propeller will allow your engine to reach the upper portion of the WOT (wide open throttle) range specified by the manufacturer without exceeding it, with a normal-to-heavy load. For example, if your outboard says WOT is 5000-6000 rpm, you need a prop that will allow your engine to turn between approximately 5700 and 6000 rpm with your average-to-heavy load in the boat. Be sure to account for things like fuel, full bait and/or live wells, batteries, passengers, and all gear, including safety gear like anchors, ropes, etc.



Yamaha Performance Bulletin

YPB#: PB_G3B_AnglerV167C_F60TLR_6-17-08_ALM Test Date: 6/17/08





**G3 Boats Angler V 167 C**

| | |
|---|---|
| Length | 16' |
| Beam | 6' 5" |
| Dry Weight (Boat Mfr. Published) | 820 lbs. |
| Maximum HP | 60 hp |
| Fuel Capacity | 13 gals. |
| Weight as Tested (Approximate) | 1,650 lbs. |

Boat Manufactured By:
G3 Boats • 901 Cowan Drive • Lebanon, MO 65536
(417) 588-9787 • www.g3boats.com

**Yamaha F60TLR**

| | |
|---|---|
| Horsepower | 60 |
| Displacement | 60.8 cu. in. |
| Weight (Catalog Published) | 237 lbs. |
| Gear Ratio | 1.85 |

**Engine Mounting Height**

| | |
|---|---|
| Mounting Hole Position | #2 |

**Propeller**

| | |
|---|---|
| Series | Aluminum Series |
| Diameter/Pitch | 10-3/8 x 13 |
| Yamaha Part # | 6H5-45945-00-EL |
| Propeller Material | Aluminum |

**Test Conditions**

| | |
|---|---|
| Number of People | 2 |
| Air / Water Temperature (Fahrenheit) | 82° / 72° |
| Elevation | 924' |
| Wind Velocity | 0-5 MPH |

Comments: Test weight includes 1/2 tank of fuel, two batteries, bow-mounted trolling motor, safety and test equipment. Fuel consumption data gathered with Yamaha Command Link® fuel management system. Speed data gathered with GPS receiver.

Notice to Consumer: The information and data contained in this Performance Bulletin is approximate and subject to many different factors and variables. It is provided as a guideline only and should not be relied upon as representative of actual performance. Your boat's performance may be different than the information contained in this Performance Bulletin due to various factors, including your boat's actual weight, wind and water conditions, temperature, humidity, elevation, bottom paint, boat options affecting wind/water drag and/or boat weight, and operator ability. Please confirm the specifications and performance data on your specific boat/engine combination with your dealer prior to purchase. Yamaha reserves the right to change the specifications and performance data of this Performance Bulletin or engine without notice.

**Performance Data**

| RPM | MPH | GPH | MPG |
|---|---|---|---|
| 1000 | 3.2 | 0.4 | 8.00 |
| 1500 | 4.6 | 0.6 | 7.67 |
| 2000 | 5.9 | 0.9 | 6.56 |
| 2500 | 7.2 | 1.3 | 5.54 |
| 3000 | 11.4 | 1.7 | 6.71 |
| 3500 | 16.8 | 1.8 | 9.33 |
| **4000** | **22.0** | **2.3** | **9.57** |
| 4500 | 26.1 | 2.9 | 9.00 |
| 5000 | 29.4 | 3.5 | 8.40 |
| 5500 | 33.1 | 4.4 | 7.52 |
| **6000** | **36.1** | **5.4** | **6.69** |

Seconds to Plane 4.49




Test performed and verified by Yamaha Application Engineers.

For More Information:
Yamaha Motor Corp., USA • OEM Division, Marine Group
1270 Chastain Road NW • Kennesaw, GA 30144 • (800) 88-YAMAHA
For other Performance Bulletins, visit www.yamaha-motor.com.

To begin, check Yamaha's Performance Bulletins on our website: http://yamahaoutboards.com/owner-resources performance-bulletins.

Choose the type of boat most similar to yours (or the one you want), and note what propeller is listed. Next, check out the propeller solutions applicable to your particular horsepower Yamaha outboard in our propeller charts located in the propellers section of our marine website's landing page https://yamahaoutboards.com/en-us/home/propellers/all/propeller-families (there's a great deal of other great information in here, too!). Look for the same series name and pitch of propeller as the Performance Bulletin, then adjust the pitch depending on weight and altitude (heavier weight or higher altitude, pitch down…light or low, pitch even or slightly up). Each inch of propeller pitch is equal to approximately 150-200 rpm.

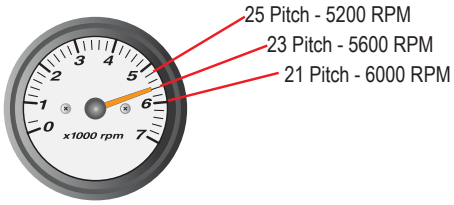
Don't see a Performance Bulletin for the same type boat as what you've got? Look on the outside barrel for the pitch or remove the prop and look on the inside of the hub for the propeller 'size', then consult the charts and adjust the pitch accordingly.

**Remember: One inch of propeller pitch = 150-200 rpms.**

## Propeller Terminology

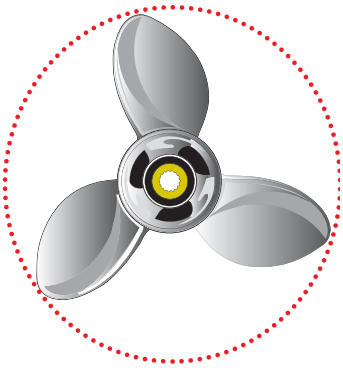
### Pitch

Pitch is the distance (in inches) a particular prop would theoretically travel in one full revolution, as if traveling through a solid. A lower pitch will have better hole shot and "pushing power" but a lower top speed, while a higher pitch prop will provide less acceleration, but a greater potential for higher top speeds. The correct propeller will allow your engine to reach the upper portion of the WOT range specified by the manufacturer with a normal-to-heavy load (without exceeding it). Each inch of pitch is equal to approximately 150 +/- 50 RPM.



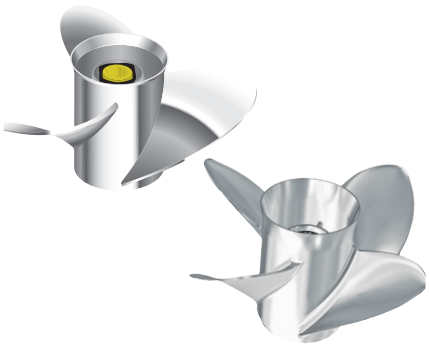

### Diameter

Diameter means the total width of the "circle" at the blade tips as the propeller spins. A larger diameter pushes more water and reaches deeper into the water, so they're typically used on large, heavy boats or ones with high engine mounting heights. A smaller diameter is usually used on lighter weight boats, where the prop operates lower in the water or when a gain in engine RPM is desired.



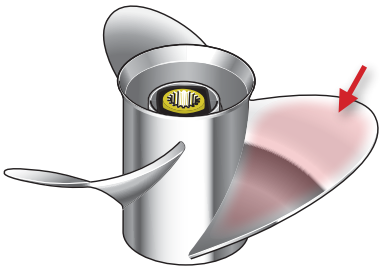
### Number of Blades

Three-bladed propellers are the most common, offering good overall performance, top speed, and efficiency for most applications. Four blades characteristically provide increased acceleration, enhanced bow- and stern-lift, and reduced ventilation. However, four blades typically mean more drag on the engine, resulting in lower top speeds and different handling characteristics.

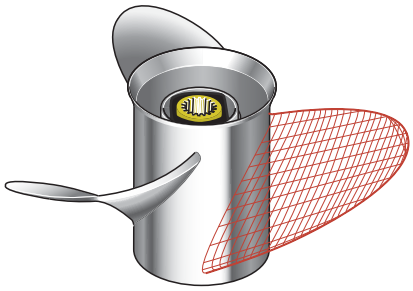


### Blade Surface Area

Blade surface area refers to the total surface of the blades. The more blade surface area a prop has the more water it pushes, for better hole shot and increased planing efficiency. Too much can create significantly more drag, however, potentially restricting engine RPM and causing negative boat-handling issues.

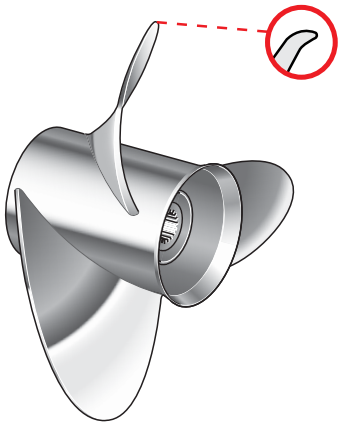


## Propeller Terminology



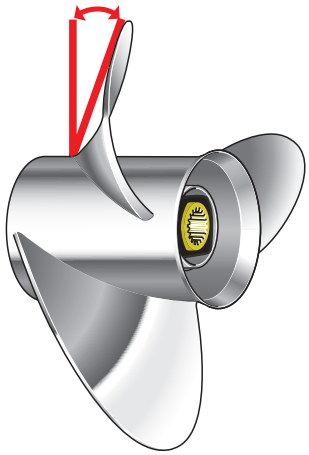
### Blade Geometry

Blade geometry refers to the actual shape of the blade (or ear). By manipulating the blade's shape, diameter and pitch progression, different performance characteristics are created for each different type and style of propeller, pitch is equal to approximately 150 +/- 50 RPM.



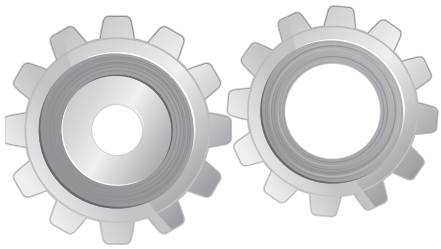
### Cup

Cup is the small curved lip on the blade tip and/or trailing edge. Used in proper amounts, cup helps reduce ventilation and propeller slippage, allowing for higher mounting heights and greater bow lift. Too much cup, however, will cause excessive steering torque and bow lift and limit the engine's ability to develop and maintain proper RPM at a certain pitch.



### Rake

Rake is the angle of the blades in relation to the propeller's barrel, or center, and is expressed in degrees. A high rake propeller is best suited for high engine mount applications by helping reduce ventilation and increasing bow lift. Too much rake, however, strains the engine, decreases hole shot and can produce negative performance and handling results. A propeller with a low rake angle will cause less strain on the engine, resulting in potentially better hole shot and higher WOT operating rpm.



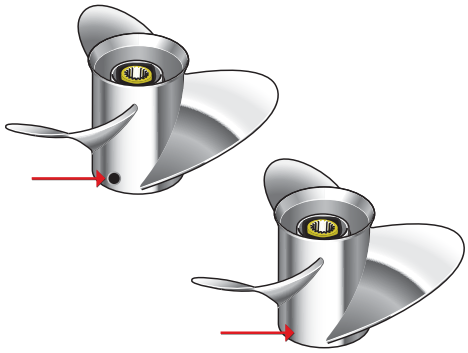
### Gear Ratio

Gear ratio on a marine engine refers to the gears used in the lower unit, much like an automobile's transmission. The higher the ratio, the more pushing power the engine will produce. The lower the ratio, the more top speed the engine can potentially generate. It's important to choose a propeller that allows the engine to operate near the upper end of the manufacturer's recommended wide-open throttle (WOT) RPM under normal loads and conditions.

## Propeller Terminology

### Ventilation

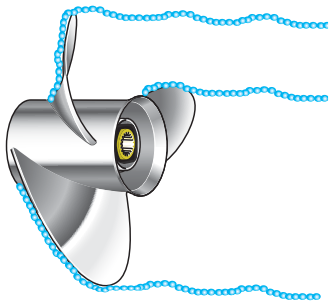
Ventilation is when air is drawn in around the propeller blades. Normally, this causes a gain in rpm, but a loss of speed, since the propeller blades are not biting clean water. This most usually occurs during hard cornering or in certain water conditions, such as following seas.



Controlled ventilation can be beneficial, though, in helping the engine gain rpm during hard acceleration. This is engineered into certain propellers, and is most-usually used on two stroke outboards. An example of this is the small holes in the side of the propeller barrel which allow exhaust to intentionally be drawn in around the blades at hole shot. This helps two stroke engines generate the higher rpm they need for proper hole shot performance. Four stroke engines typically don't need them.

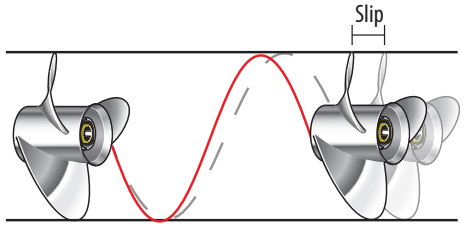
### Cavitation

Cavitation occurs when pressure on the water across the blade's surface is reduced to the point of becoming water vapor, forming bubbles. If these bubbles burst, they can cause a cavitation burn which can deteriorate the propeller's surface and cause negative performance issues. As this condition can cause an increase in engine rpm, it's often confused with ventilation.



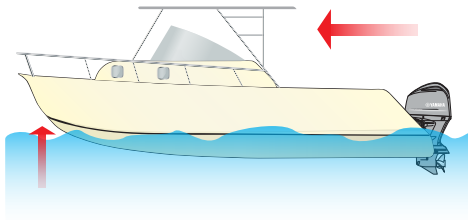
### Slip

Slip is the amount of wasted energy a particular prop generates, meaning that the actual distance traveled in one full propeller revolution is less than its pitch measurement. It is normally expressed as a percentage of inefficiency. A certain amount of slip is engineered into each line of propellers to create different performance characteristics.




### Hole Shot

"Hole shot" refers to rapid acceleration of the boat, from a standing rest or very slow speed until just on-plane. This is when the engine and the propeller work their hardest.



# Propellers for Two Stroke 2-15, and Four Stroke F2.5-F20

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **PLASTIC 2HP** | | | | | | |
| 7 1/4 | 4 | 3 | RH | PS | shear pin | 6A1-45943-00-00 |
| **ALUMINUM 2HP** | | | | | | |
| 7 1/4 | 4 1/2 | 3 | RH | AL | shear pin | 646-45944-01-00 |
| 7 1/4 | 5 1/2 | 3 | RH | AL | shear pin | 646-45942-01-00 |
| **ALUMINUM 3 \| F2.5HP** | | | | | | |
| 7 1/4 | 5 | 3 | RH | AL | pressed in | 6L5-45949-00-00 |
| 7 1/4 | 5 1/2 | 3 | RH | AL | pressed in | 6L5-45952-00-00 |
| 7 1/4 | 6 | 3 | RH | AL | pressed in | 6L5-45943-00-00 |
| 7 1/4 | 7 1/4 | 3 | RH | AL | pressed in | 6L5-45945-00-00 |
| 7 1/4 | 8 1/4 | 3 | RH | AL | pressed in | 6L5-45947-00-00 |
| **PLASTIC 4 \| 5** | | | | | | |
| 7 1/4 | 5 | 3 | RH | AL | pressed in | 644-45941-01-00 |
| **ALUMINUM 4 \| 5 \| F4 \| F4A \| F6A SINGLE CYL.** | | | | | | |
| 7 1/4 | 6 1/2 | 3 | RH | AL | pressed in | 6E0-45949-00-00 |
| 7 1/2 | 7 | 3 | RH | AL | pressed in | 6E0-45943-01-00 |
| 7 1/2 | 7 | 3 | RH | AL | shear pin | 6E0-45943-09-00 |
| 7 1/4 | 7 1/4 | 3 | RH | AL | pressed in | 6E0-45945-00-00 |
| 7 1/2 | 8 | 3 | RH | AL | pressed in | 6E0-45941-01-00 |
| 7 1/4 | 8 | 3 | RH | AL | shear pin | 6E0-45941-09-00 |
| 7 1/4 | 8 1/4 | 3 | RH | AL | pressed in | 6E0-45952-00-00 |
| 7 1/2 | 9 | 3 | RH | AL | pressed in | 6E0-45954-00-00 |
| **DUAL THRUST PLASTIC T8 \| T9.9** | | | | | | |
| 11 3/4 | 9 1/4 | 3 | RH | PS | pressed in | 6G8-45943-00-00 |
| 11 3/4 | 11 | 3 | RH | PS | pressed in | 6G8-45941-00-00 |
| 11 3/4 | 12 1/4 | 3 | RH | PS | pressed in | 6G8-45945-00-00 |
| **DUAL THRUST ALUMINUM T8 \| T9.9** | | | | | | |
| 11 3/4 | 5 3/4 | 3 | RH | AL | pressed in | 69G-45941-00-00 |
| 11 3/4 | 7 | 3 | RH | AL | pressed in | 69G-45943-00-00 |
| 11 3/4 | 9 1/4 | 3 | RH | AL | pressed in | 6G8-45947-00-00 |
| **ALUMINUM 6 \| 8 \| F6 \| F8 \| F9.9** | | | | | | |
| 9 | 5 | 3 | RH | AL | pressed in | 6G1-W4592-00-00 |
| 8 1/2 | 6 1/2 | 3 | RH | AL | pressed in | 6G1-45947-00-00 |
| 8 1/2 | 7 1/2 | 3 | RH | AL | pressed in | 6G1-45943-00-00 |
| 8 1/2 | 8 | 3 | RH | AL | pressed in | 6G1-45952-00-00 |
| 8 1/2 | 8 1/2 | 3 | RH | AL | pressed in | 6G1-45941-00-00 |
| 8 1/2 | 9 1/4 | 3 | RH | AL | pressed in | 6G1-45954-00-00 |
| **ALUMINUM 9.9 \| 15 \| F15C \| F20** | | | | | | |
| 9 1/2 | 6 1/2 | 3 | RH | AL | pressed in | 683-45949-00-00 |
| 9 3/4 | 6 1/2 | 3 | RH | AL | pressed in | 683-W4592-02-00 |
| 9 1/4 | 8 | 3 | RH | AL | pressed in | 683-45947-00-00 |
| 9 3/4 | 8 | 3 | RH | AL | pressed in | 683-W4591-02-00 |
| 9 1/4 | 9 | 3 | RH | AL | pressed in | 683-45945-00-00 |
| 9 1/4 | 9 3/4 | 3 | RH | AL | pressed in | 683-45952-00-00 |
| 9 1/4 | 10 1/2 | 3 | RH | AL | pressed in | 683-45943-00-00 |

## Propellers for Two Stroke 2-15, and Four Stroke F2.5-F20 Continued...

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **ALUMINUM CUPPED 9.9 \| 15 \| F15C \| F20** | | | | | | |
| 9 1/4 | 9 | 3 | RH | AL | pressed in | 63V-45945-10-00 |
| 9 1/4 | 8 | 3 | RH | AL | pressed in | 63V-45947-00-00 |
| 9 1/4 | 10 | 3 | RH | AL | pressed in | 63V-45952-10-00 |
| 9 1/4 | 11 | 3 | RH | AL | pressed in | 63V-45943-10-00 |
| 9 1/4 | 12 | 3 | RH | AL | pressed in | 63V-45941-10-00 |

## *F Series* Propellers for 3.0" Gearcases

Yamaha Models F20, 25, C25, F25, T25B and F30

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **PERFORMANCE 3** | | | | | | |
| 10 1/8 | 10 | 3 | RH | SS | pressed in | MAR-GYT3B-02-10 |
| 10 1/8 | 11 | 3 | RH | SS | pressed in | MAR-GYT3B-02-11 |
| 10 1/8 | 12 | 3 | RH | SS | pressed in | MAR-GYT3B-02-12 |
| 10 1/8 | 13 | 3 | RH | SS | pressed in | MAR-GYT3B-02-13 |
| 10 1/8 | 14 | 3 | RH | SS | pressed in | MAR-GYT3B-02-14 |
| **ALUMINUM** | | | | | | |
| 9 7/8 | 8 | 3 | RH | AL | pressed in | 664-45943-01-00 |
| 9 7/8 | 9 | 3 | RH | AL | pressed in | 664-45941-01-00 |
| 9 7/8 | 10 1/2 | 3 | RH | AL | pressed in | 664-45945-00-00 |
| 9 7/8 | 11 1/4 | 3 | RH | AL | pressed in | 664-45947-01-00 |
| 9 7/8 | 12 | 3 | RH | AL | pressed in | 664-45954-01-00 |
| 9 7/8 | 13 | 3 | RH | AL | pressed in | 664-45949-02-00 |
| 9 7/8 | 14 | 3 | RH | AL | pressed in | 664-45952-00-00 |
| **DUAL THRUST ALUMINUM** | | | | | | |
| 10 5/8 | 8 1/4 | 3 | RH | AL | pressed in | 6J8-W4591-00-00 |
| 9 7/8 | 10 1/2 | 3 | RH | AL | pressed in | 664-45945-00-00 |
| **PAINTED STAINLESS STEEL** | | | | | | |
| 9 1/8 | 12 | 3 | RH | SS | pressed in | 664-45972-00-00 |
| 9 1/8 | 13 | 3 | RH | SS | pressed in | 664-45970-00-00 |

## *G Series* Propellers for 3.5" Gearcases

Yamaha Models T25A, F30, 40, C40, F40, E48, 50, C50, F50, 55, F60

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **ALUMINUM** | | | | | | |
| 12 1/4 | 8 | 3 | RH | AL | pressed in | 63D-45941-00-00 |
| 12 1/4 | 9 | 3 | RH | AL | pressed in | 663-45956-01-00 |
| 11 3/4 | 10 | 3 | RH | AL | pressed in | 663-45954-01-00 |
| **11 5/8** | **11** | **3** | **RH** | **AL** | **pressed in** | **69W-45947-00-00** |
| 11 3/8 | 12 | 3 | RH | AL | pressed in | 69W-45952-00-00 |
| 11 3/8 | 12 | 3 | RH | AL | pressed in | 663-45952-02-00 |
| **10 5/8** | **12** | **3** | **RH** | **AL** | **pressed in** | **6H5-45952-00-00** |
| **10 3/8** | **13** | **3** | **RH** | **AL** | **pressed in** | **6H5-45945-00-00** |
| 11 1/8 | 13 | 3 | RH | AL | pressed in | 69W-45945-00-00 |

indicates most popular propeller family per engine group/gearcase size
**BOLD** type indicates most popular pitches | **SDS*** = Shift Dampener System

## *G Series* Propellers for 3.5" Gearcases Continued...

Yamaha Models T25A, F30, 40, C40, F40, E48, 50, C50, F50, 55, F60

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **ALUMINUM** | | | | | | |
| 10 1/4 | 14 | 3 | RH | AL | pressed in | 6H5-45958-00-00 |
| 11 1/4 | 14 | 3 | RH | AL | pressed in | 663-45958-01-00 |
| 11 1/4 | 14 | 3 | RH | AL | pressed in | 69W-45958-00-00 |
| 10 | 15 | 3 | RH | AL | pressed in | 6H5-45943-00-00 |
| 11 | 15 | 3 | RH | AL | pressed in | 69W-45943-00-00 |
| 10 3/4 | 16 | 3 | RH | AL | pressed in | 663-45949-01-00 |
| 10 3/4 | 17 | 3 | RH | AL | pressed in | 663-45941-01-00 |
| **DUAL THRUST** | | | | | | |
| 12 1/4 | 9 | 3 | RH | AL | pressed in | 68U-45941-00-00 |
| **PERFORMANCE 3** | | | | | | |
| 10 1/2 | 10 | 3 | RH | SS | pressed in | MAR-GYT3B-03-10 |
| 10 1/2 | 11 | 3 | RH | SS | pressed in | MAR-GYT3B-03-11 |
| 10 1/2 | 12 | 3 | RH | SS | pressed in | MAR-GYT3B-03-12 |
| 10 1/2 | 13 | 3 | RH | SS | pressed in | MAR-GYT3B-03-13 |
| 10 1/2 | 14 | 3 | RH | SS | pressed in | MAR-GYT3B-03-14 |
| 10 1/2 | 15 | 3 | RH | SS | pressed in | MAR-GYT3B-03-15 |
| **PAINTED STAINLESS** | | | | | | |
| 12 | 11 | 3 | RH | SS | pressed in | 663-45972-60-00 |
| 11 3/4 | 12 | 3 | RH | SS | pressed in | 663-45970-60-00 |
| 11 1/2 | 13 | 3 | RH | SS | pressed in | 663-45974-60-00 |
| 10 5/8 | 13 | 3 | RH | SS | pressed in | 6H5-45952-00-00 |
| 10 1/4 | 14 | 3 | RH | SS | pressed in | 663-45930-00-00 |
| 11 1/4 | 14 | 3 | RH | SS | pressed in | 697-45970-00-00 |
| 10 1/4 | 15 | 3 | RH | SS | pressed in | 663-45976-00-00 |
| 10 1/4 | 16 | 3 | RH | SS | pressed in | 663-45978-00-00 |

## *K Series* Propellers for 4.25" Gearcases

Yamaha Models T50, C60, E60, P60, T60, 70, F70, P75, C75, E75, F75, F80, 90, C90, F90, VF90, F100,115, C115, F115, VF115, P115,130

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **DUAL THRUST** | | | | | | |
| 14 | 11 | 3 | RH | AL | pressed in | 68S-45941-00-00 |
| **ALUMINUM** | | | | | | |
| 14 | 11 | 3 | RH | AL | pressed in | 6E5-45954-00-00 |
| **13 5/8** | **13** | **3** | **RH** | **AL** | **pressed in** | **6E5-45949-00-00** |
| **13 5/8** | **14** | **3** | **RH** | **AL** | **pressed in** | **6E5-45958-00-00** |
| **13 1/2** | **15** | **3** | **RH** | **AL** | **pressed in** | **6E5-45947-00-00** |
| **13 1/4** | **17** | **3** | **RH** | **AL** | **pressed in** | **6E5-45945-01-00** |
| **13** | **19** | **3** | **RH** | **AL** | **pressed in** | **6E5-45941-00-00** |
| 12 5/8 | 21 | 3 | RH | AL | pressed in | 6E5-45943-00-00 |
| 13 | 23 | 3 | RH | AL | pressed in | 6E5-45952-00-00 |
| 13 | 25 | 3 | RH | AL | pressed in | 6E5-45956-00-00 |

indicates most popular propeller family per engine group/gearcase size

**BOLD** type indicates most popular pitches | **SDS*** = Shift Dampener System

## *K Series* Propellers for 4.25" Gearcases Continued...

Yamaha Models T50, C60, E60, P60, T60, 70, F70, P75, C75, E75, F75, F80, 90, C90, F90, VF90, F100,115, C115, F115, VF115, P115,130

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **TALON** | | | | | | |
| 13 1/2 | 9 | 3 | RH | AL | SDS* | 6EK-45941-00-00 |
| 13 1/2 | 10 1/2 | 3 | RH | AL | SDS* | 6EK-45943-00-00 |
| **13 1/2** | **12** | **3** | **RH** | **AL** | **SDS*** | **6EK-45945-00-00** |
| 13 1/2 | 14 | 3 | RH | AL | SDS* | 6EK-45947-00-00 |
| 13 1/2 | 16 | 3 | RH | AL | SDS* | 6EK-45949-00-00 |
| **TALON SS** | | | | | | |
| 13 1/8 | 14 | 3 | RH | SS | SDS* | 6N7-45970-00-00 |
| 13 1/8 | 14 | 3 | LH | SS | SDS* | 6N4-45970-00-00 |
| **13 1/8** | **16** | **3** | **RH** | **SS** | **SDS*** | **6N7-45972-00-00** |
| 13 1/8 | 16 | 3 | LH | SS | SDS* | 6N4-45972-00-00 |
| **13 1/8** | **18** | **3** | **RH** | **SS** | **SDS*** | **6N7-45974-00-00** |
| 13 1/8 | 18 | 3 | LH | SS | SDS* | 6N4-45974-00-00 |
| 13 1/8 | 19 | 3 | RH | SS | SDS* | 6N7-45976-00-00 |
| 13 1/8 | 20 | 3 | RH | SS | SDS* | 6N7-45978-00-00 |
| 13 1/8 | 20 | 3 | LH | SS | SDS* | 6N4-45978-00-00 |
| 13 1/8 | 22 | 3 | RH | SS | SDS* | 6N7-45930-00-00 |
| 13 1/8 | 24 | 3 | RH | SS | SDS* | 6N7-45932-00-00 |
| **TALON GP** | | | | | | |
| 13 5/8 | 14 | 3 | RH | AL | SDS* | 6FP-45941-00-00 |
| 13 1/2 | 15 | 3 | RH | AL | SDS* | 6FP-45943-00-00 |
| 13 1/4 | 16 | 3 | RH | AL | SDS* | 6FP-45945-00-00 |
| 13 1/8 | 17 | 3 | RH | AL | SDS* | 6FP-45947-00-00 |
| 13 | 18 | 3 | RH | AL | SDS* | 6FP-45949-00-00 |
| **TALON SS4** | | | | | | |
| 13 1/4 | 14 | 4 | RH | SS | SDS* | 6N6-45B70-00-00 |
| 13 1/4 | 16 | 4 | RH | SS | SDS* | 6N6-45B72-00-00 |
| 13 1/4 | 18 | 4 | RH | SS | SDS* | 6N6-45B74-00-00 |
| 13 1/4 | 20 | 4 | RH | SS | SDS* | 6N6-45B76-00-00 |
| 13 1/4 | 22 | 4 | RH | SS | SDS* | 6N6-45B78-00-00 |
| 13 1/4 | 23 | 4 | RH | SS | SDS* | 6N6-45B80-00-00 |
| **PONTOON PERFORMANCE** | | | | | | |
| 14 | 9 | 3 | RH | SS | SDS* | 6H1-45970-00-00 |
| 14 | 10 | 3 | RH | SS | SDS* | 6H1-45972-00-00 |
| 14 | 11 | 3 | RH | SS | SDS* | 6H1-45974-00-00 |
| 14 | 12 | 3 | RH | SS | SDS* | 6H1-45976-00-00 |
| 14 | 13 | 3 | RH | SS | SDS* | 6H1-45978-00-00 |
| **PAINTED STAINLESS** | | | | | | |
| 13 1/2 | 14 | 3 | RH | SS | pressed in | 688-45932-60-00 |
| 13 1/2 | 16 | 3 | RH | SS | pressed in | 688-45978-60-00 |
| 13 | 17 | 3 | RH | SS | pressed in | 688-45930-02-00 |
| 13 | 17 | 3 | LH | SS | pressed in | 6L6-45930-01-00 |

indicates most popular propeller family per engine group/gearcase size
**BOLD** type indicates most popular pitches | **SDS*** = Shift Dampener System

## K Series Propellers for 4.25" Gearcases Continued...

Yamaha Models T50, C60, E60, P60, T60, 70, F70, P75, C75, E75, F75, F80, 90, C90, F90, VF90, F100,115, C115, F115, VF115, P115,130

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **TALON PAINTED STAINLESS** | | | | | | |
| 13 | 19 | 3 | RH | SS | pressed in | 688-45970-03-00 |
| 13 | 19 | 3 | LH | SS | pressed in | 6L6-45970-00-00 |
| 13 | 21 | 3 | RH | SS | pressed in | 688-45972-02-00 |
| 13 | 21 | 3 | LH | SS | pressed in | 6L6-45972-00-00 |
| 13 | 23 | 3 | RH | SS | pressed in | 688-45974-02-00 |
| 13 | 25 | 3 | RH | SS | pressed in | 688-45976-01-00 |

## *P Series* Propellers for 4.25"and 4.75" Gearcases for high performance boats 60-200 HP two stroke only

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **P SERIES PROPS** | | | | | | |
| 14 | 20 | 3 | RH | SS | "P" exhaust over hub | 6E5-45970-10-00 |
| 14 | 22 | 3 | RH | SS | "P" exhaust over hub | 6E5-45976-10-00 |
| 14 | 24 | 3 | RH | SS | "P" exhaust over hub | 6E5-45972-10-00 |
| 14 | 26 | 3 | RH | SS | "P" exhaust over hub | 6E5-45978-10-00 |
| 14 | 28 | 3 | RH | SS | "P" exhaust over hub | 6E5-45974-10-00 |

## *M or T Series* Propellers for 4.75" Gearcases

Yamaha Models150-300, F150-F300 (V6)

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **SALTWATER SERIES II** | | | | | | |
| 15 3/4 | 13 | 3 | RH | SS | SDS* | 6CE-45930-20-00 |
| 15 3/4 | 13 | 3 | LH | SS | SDS* | 6CF-45930-20-00 |
| **15 3/4** | **15** | **3** | **RH** | **SS** | **SDS*** | **6CE-45976-20-00** |
| **15 3/4** | **15** | **3** | **LH** | **SS** | **SDS*** | **6CF-45976-20-00** |
| **15 1/2** | **16** | **3** | **RH** | **SS** | **SDS*** | **6CE-45938-20-00** |
| **15 1/2** | **17** | **3** | **RH** | **SS** | **SDS*** | **6CE-45978-20-00** |
| **15 1/2** | **17** | **3** | **LH** | **SS** | **SDS*** | **6CF-45978-20-00** |
| **15 1/4** | **18** | **3** | **RH** | **SS** | **SDS*** | **6CE-45934-20-00** |
| **15 1/4** | **18** | **3** | **LH** | **SS** | **SDS*** | **6CF-45934-20-00** |
| **15 1/4** | **19** | **3** | **RH** | **SS** | **SDS*** | **6CE-45970-20-00** |
| **15 1/4** | **19** | **3** | **LH** | **SS** | **SDS*** | **6CF-45970-20-00** |
| **15** | **20** | **3** | **RH** | **SS** | **SDS*** | **6CE-45932-20-00** |
| **15** | **20** | **3** | **LH** | **SS** | **SDS*** | **6CF-45932-20-00** |
| **15** | **21** | **3** | **RH** | **SS** | **SDS*** | **6CE-45972-20-00** |
| **15** | **21** | **3** | **LH** | **SS** | **SDS*** | **6CF-45972-20-00** |
| 14 3/4 | 22 | 3 | RH | SS | SDS* | 6CE-45936-20-00 |
| 14 3/4 | 22 | 3 | LH | SS | SDS* | 6CF-45936-20-00 |
| 14 3/4 | 23 | 3 | RH | SS | SDS* | 6CE-45974-20-00 |
| 14 3/4 | 23 | 3 | LH | SS | SDS* | 6CF-45974-20-00 |

indicates most popular propeller family per engine group/gearcase size

**BOLD** type indicates most popular pitches | **SDS*** = Shift Dampener System

## *M or T Series* Propellers for 4.75" Gearcases Continued...

Yamaha Models150-300, F150-F300 (V6)

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **SALTWATER SERIES II HP** | | | | | | |
| 15 1/4 | 18 | 3 | RH | SS | SDS* | 6KA-45970-00-00 |
| 15 1/4 | 18 | 3 | LH | SS | SDS* | 6KB-45970-00-00 |
| 15 1/4 | 19 | 3 | RH | SS | SDS* | 6KA-45972-00-00 |
| 15 1/4 | 19 | 3 | LH | SS | SDS* | 6KB-45972-00-00 |
| 15 | 20 | 3 | RH | SS | SDS* | 6KA-45974-00-00 |
| 15 | 20 | 3 | LH | SS | SDS* | 6KB-45974-00-00 |
| 15 | 21 | 3 | RH | SS | SDS* | 6KA-45976-00-00 |
| 15 | 21 | 3 | LH | SS | SDS* | 6KB-45976-00-00 |
| **RELIANCE** | | | | | | |
| 14 1/2 | 13 | 3 | RH | SS | SDS* | 68F-45932-20-00 |
| 14 1/2 | 14 | 3 | RH | SS | SDS* | 68F-45930-20-00 |
| 14 1/2 | 14 | 3 | LH | SS | SDS* | 68G-45930-20-00 |
| **14 1/2** | **15** | **3** | **RH** | **SS** | **SDS*** | **68F-45970-20-00** |
| **14 1/2** | **15** | **3** | **LH** | **SS** | **SDS*** | **68G-45970-20-00** |
| **14 1/4** | **17** | **3** | **RH** | **SS** | **SDS*** | **68F-45972-20-00** |
| **14 1/4** | **17** | **3** | **LH** | **SS** | **SDS*** | **68G-45972-20-00** |
| **14 1/4** | **18** | **3** | **RH** | **SS** | **SDS*** | **68F-45978-20-00** |
| **14 1/4** | **18** | **3** | **LH** | **SS** | **SDS*** | **68G-45978-20-00** |
| **13 3/4** | **19** | **3** | **RH** | **SS** | **SDS*** | **68F-45974-20-00** |
| **13 3/4** | **19** | **3** | **LH** | **SS** | **SDS*** | **68G-45974-20-00** |
| **13 3/4** | **21** | **3** | **RH** | **SS** | **SDS*** | **68F-45976-20-00** |
| **13 3/4** | **21** | **3** | **LH** | **SS** | **SDS*** | **68G-45976-20-00** |
| **V MAX SHO** | | | | | | |
| 15 1/8 | 22 | 3 | RH | SS | pressed in | 6CB-45932-11-00 |
| 15 1/8 | 23 | 3 | RH | SS | pressed in | 6CB-45974-11-00 |
| 15 1/8 | 24 | 3 | RH | SS | pressed in | 6CB-45930-11-00 |
| **15 1/8** | **25** | **3** | **RH** | **SS** | **pressed in** | **6CB-45972-11-00** |
| 15 1/8 | 26 | 3 | RH | SS | pressed in | 6CB-45978-11-00 |
| **15 1/8** | **27** | **3** | **RH** | **SS** | **pressed in** | **6CB-45970-11-00** |
| **HS4 "HIGH SEAS"** | | | | | | |
| 15 | 21 | 4 | RH | SS | SDS* | 6CE-45B70-20-00 |
| 15 | 21 | 4 | LH | SS | SDS* | 6CF-45B70-20-00 |
| 15 | 22 | 4 | RH | SS | SDS* | 6CE-45B72-20-00 |
| 15 | 22 | 4 | LH | SS | SDS* | 6CF-45B72-20-00 |
| 15 | 23 | 4 | RH | SS | SDS* | 6CE-45B74-20-00 |
| 15 | 23 | 4 | LH | SS | SDS* | 6CF-45B74-20-00 |
| **ALUMINUM** | | | | | | |
| 15 1/4 | 15 | 3 | RH | AL | pressed in | 6G5-45941-00-00 |
| 14 5/8 | 16 | 3 | RH | AL | pressed in | 6G5-45952-00-00 |
| 14 1/2 | 17 | 3 | RH | AL | pressed in | 6G5-45947-01-00 |
| 14 1/2 | 17 | 3 | LH | AL | pressed in | 6K1-45947-00-00 |
| 14 | 19 | 3 | RH | AL | pressed in | 6G5-45945-01-00 |
| 14 | 19 | 3 | LH | AL | pressed in | 6K1-45945-00-00 |
| 13 3/4 | 21 | 3 | RH | AL | pressed in | 6G5-45943-01-00 |
| 13 1/2 | 23 | 3 | RH | AL | pressed in | 6G5-45949-00-00 |

indicates most popular propeller family per engine group/gearcase size

**BOLD** type indicates most popular pitches | **SDS*** = Shift Dampener System

## *M or T Series* Propellers for 4.75" Gearcases Continued...

Yamaha Models150-300, F150-F300 (V6)

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **PAINTED STAINLESS STEEL (M SERIES)** | | | | | | |
| 15 3/4 | 13 | 3 | RH | SS | pressed in | 6G5-45932-00-00 |
| 15 1/4 | 15 | 3 | RH | SS | pressed in | 6G5-45970-02-00 |
| 15 1/4 | 15 | 3 | LH | SS | pressed in | 6K1-45970-01-00 |
| 13 3/4 | 17 | 3 | RH | SS | pressed in | 6G5-45978-03-00 |
| 13 3/4 | 17 | 3 | LH | SS | pressed in | 6K1-45978-02-00 |
| 13 3/4 | 19 | 3 | RH | SS | pressed in | 6G5-45974-03-00 |
| 13 3/4 | 19 | 3 | LH | SS | pressed in | 6K1-45974-02-00 |
| 13 3/4 | 21 | 3 | RH | SS | pressed in | 6G5-45972-02-00 |
| 13 3/4 | 21 | 3 | LH | SS | pressed in | 6K1-45972-01-00 |
| 13 3/8 | 23 | 3 | RH | SS | pressed in | 6G5-45976-01-00 |
| 13 3/8 | 23 | 3 | LH | SS | pressed in | 6K1-45976-00-00 |
| 13 3/8 | 25 | 3 | LH | SS | pressed in | 6G5-45930-00-00 |
| **PAINTED STAINLESS STEEL (T SERIES)** | | | | | | |
| 15 | 17 | 3 | RH | SS | pressed in | 61A-45978-00-00 |
| 15 | 17 | 3 | LH | SS | pressed in | 61B-45978-00-00 |
| 14 1/2 | 19 | 3 | RH | SS | pressed in | 61A-45974-00-00 |
| 14 1/2 | 19 | 3 | LH | SS | pressed in | 61B-45974-00-00 |
| 14 1/2 | 21 | 3 | RH | SS | pressed in | 61A-45972-00-00 |
| 14 1/2 | 21 | 3 | LH | SS | pressed in | 61B-45972-00-00 |
| **PERFORMANCE 3** | | | | | | |
| 14 1/4 | 14 | 3 | RH | SS | SDS* | 60H-45970-00-00 |
| 14 1/4 | 14 | 3 | LH | SS | SDS* | 60J-45970-00-00 |
| 14 1/4 | 16 | 3 | RH | SS | SDS* | 60H-45972-00-00 |
| 14 1/4 | 16 | 3 | LH | SS | SDS* | 60J-45972-00-00 |
| 14 1/4 | 18 | 3 | RH | SS | SDS* | 60H-45974-00-00 |
| 14 1/4 | 18 | 3 | LH | SS | SDS* | 60J-45974-00-00 |
| 14 1/4 | 20 | 3 | RH | SS | SDS* | 60H-45976-00-00 |
| 14 1/4 | 20 | 3 | LH | SS | SDS* | 60J-45976-00-00 |
| 14 1/4 | 22 | 3 | RH | SS | SDS* | 60H-45978-00-00 |
| 14 1/4 | 22 | 3 | LH | SS | SDS* | 60J-45978-00-00 |
| **PERFORMANCE 4** | | | | | | |
| **13 3/4** | **18** | **4** | **RH** | **SS** | **pressed in** | **MAR-GYT4B-V6-18** |
| **13 3/4** | **20** | **4** | **RH** | **SS** | **pressed in** | **MAR-GYT4B-V6-20** |
| 13 3/4 | 22 | 4 | RH | SS | pressed in | MAR-GYT4B-V6-22 |
| 13 3/4 | 23 | 4 | RH | SS | pressed in | MAR-GYT4B-V6-23 |
| 13 3/4 | 24 | 4 | RH | SS | pressed in | MAR-GYT4B-V6-24 |
| 13 3/4 | 25 | 4 | RH | SS | pressed in | MAR-GYT4B-V6-25 |
| 13 3/4 | 26 | 4 | RH | SS | pressed in | MAR-GYT4B-V6-26 |
| **PRO** | | | | | | |
| 14 1/2 | 21 | 3 | RH | SS | pressed in | 66K-45976-B0-00 |
| **14 1/2** | **23** | **3** | **RH** | **SS** | **pressed in** | **66K-45974-B0-00** |
| 14 1/2 | 25 | 3 | RH | SS | pressed in | 66K-45972-B0-00 |
| 14 1/2 | 27 | 3 | RH | SS | pressed in | 66K-45970-B0-00 |

indicates most popular propeller family per engine group/gearcase size

**BOLD** type indicates most popular pitches | **SDS*** = Shift Dampener System

## *X Series* Propellers for 5.25" Gearcases Continued...

Yamaha V8 Outboard Models

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **SALTWATER SERIES XL** | | | | | | |
| 16 1/4 | 15 | 3 | RH | SS | SDS* | 6AW-45970-20-00 |
| 16 1/4 | 15 | 3 | LH | SS | SDS* | 6AX-45970-20-00 |
| **16 1/4** | **17** | **3** | **RH** | **SS** | **SDS*** | **6AW-45972-20-00** |
| **16 1/4** | **17** | **3** | **LH** | **SS** | **SDS*** | **6AX-45972-20-00** |
| **15 1/2** | **19** | **3** | **RH** | **SS** | **SDS*** | **6AW-45974-20-00** |
| **15 1/2** | **19** | **3** | **LH** | **SS** | **SDS*** | **6AX-45974-20-00** |
| **15 1/4** | **21** | **3** | **RH** | **SS** | **SDS*** | **6AW-45976-20-00** |
| **15 1/4** | **21** | **3** | **LH** | **SS** | **SDS*** | **6AX-45976-20-00** |
| 15 1/4 | 23 | 3 | RH | SS | SDS* | 6AW-45978-20-00 |
| 15 1/4 | 23 | 3 | LH | SS | SDS* | 6AX-45978-20-00 |
| **SALTWATER SERIES XL4** | | | | | | |
| 16 1/8 | 15 | 4 | RH | SS | SDS* | 6AW-45B70-20-00 |
| 16 1/8 | 15 | 4 | LH | SS | SDS* | 6AX-45B70-20-00 |
| 16 1/8 | 17 | 4 | RH | SS | SDS* | 6AW-45B72-20-00 |
| 16 1/8 | 17 | 4 | LH | SS | SDS* | 6AX-45B72-20-00 |
| 15 3/8 | 22 | 4 | RH | SS | SDS* | 6AW-45B76-20-00 |
| 15 3/8 | 22 | 4 | LH | SS | SDS* | 6AX-45B76-20-00 |
| 15 3/8 | 24 | 4 | RH | SS | SDS* | 6AW-45B74-20-00 |
| 15 3/8 | 24 | 4 | LH | SS | SDS* | 6AX-45B74-20-00 |

## *Y Series* Propellers for 6.0" Gearcases

Yamaha V8 Outboard Models

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **XTO OS** | | | | | | |
| 17 1/8 | 15 | 3 | RH | SS | SDS* | 6GR-45970-20-00 |
| 17 1/8 | 15 | 3 | LH | SS | SDS* | 6GS-45970-20-00 |
| 16 7/8 | 16 | 3 | RH | SS | SDS* | 6GR-45D70-10-00 |
| 16 7/8 | 16 | 3 | LH | SS | SDS* | 6GS-45D70-10-00 |
| 16 7/8 | 17 | 3 | RH | SS | SDS* | 6GR-45972-20-00 |
| 16 7/8 | 17 | 3 | LH | SS | SDS* | 6GS-45972-20-00 |
| 16 5/8 | 18 | 3 | RH | SS | SDS* | 6GR-45938-20-00 |
| 16 5/8 | 18 | 3 | LH | SS | SDS* | 6GS-45938-20-00 |
| **16 5/8** | **19** | **3** | **RH** | **SS** | **SDS*** | **6GR-45974-20-00** |
| **16 5/8** | **19** | **3** | **LH** | **SS** | **SDS*** | **6GS-45974-20-00** |
| **16 3/8** | **20** | **3** | **RH** | **SS** | **SDS*** | **6GR-45936-20-00** |
| **16 3/8** | **20** | **3** | **LH** | **SS** | **SDS*** | **6GS-45936-20-00** |
| **16 3/8** | **21** | **3** | **RH** | **SS** | **SDS*** | **6GR-45976-20-00** |
| **16 3/8** | **21** | **3** | **LH** | **SS** | **SDS*** | **6GS-45976-20-00** |
| **16 1/8** | **22** | **3** | **RH** | **SS** | **SDS*** | **6GR-45934-20-00** |
| **16 1/8** | **22** | **3** | **LH** | **SS** | **SDS*** | **6GR-45934-20-00** |

indicates most popular propeller family per engine group/gearcase size
**BOLD** type indicates most popular pitches | **SDS*** = Shift Dampener System

## *Y Series* Propellers for 6.0" Gearcases Continued...

Yamaha V8 Outboard Models

| Diameter | Pitch | Blades | Rotation | Material | HUB | Part No. |
|---|---|---|---|---|---|---|
| **XTO OS** | | | | | | |
| **16 1/8** | **23** | **3** | **RH** | **SS** | **SDS*** | **6GR-45978-20-00** |
| **16 1/8** | **23** | **3** | **LH** | **SS** | **SDS*** | **6GS-45978-20-00** |
| 16 | 24 | 3 | RH | SS | SDS* | 6GR-45932-10-00 |
| 16 | 24 | 3 | LH | SS | SDS* | 6GS-45932-10-00 |
| 16 | 25 | 3 | RH | SS | SDS* | 6GR-45930-20-00 |
| 16 | 25 | 3 | LH | SS | SDS* | 6GS-45930-20-00 |
| 16 | 26 | 3 | RH | SS | SDS* | 6GR-45D72-10-00 |
| 16 | 26 | 3 | LH | SS | SDS* | 6GS-45D72-10-00 |
| **XTO EC** | | | | | | |
| 16 7/8 | 16 | 3 | RH | SS | SDS | 6KN-45938-00-00 |
| 16 7/8 | 16 | 3 | LH | SS | SDS | 6KP-45938-00-00 |
| 16 7/8 | 17 | 3 | RH | SS | SDS | 6KN-45936-00-00 |
| 16 7/8 | 17 | 3 | LH | SS | SDS | 6KP-45970-00-00 |
| 16 7/8 | 18 | 3 | RH | SS | SDS | 6KN-45936-00-00 |
| 16 7/8 | 18 | 3 | LH | SS | SDS | 6KP-45936-00-00 |
| 16 5/8 | 20 | 3 | RH | SS | SDS | 6KN-45976-00-00 |
| 16 5/8 | 20 | 3 | LH | SS | SDS | 6KP-45976-00-00 |
| 16 3/8 | 21 | 3 | RH | SS | SDS | 6KN-45978-00-00 |
| 16 3/8 | 21 | 3 | LH | SS | SDS | 6KP-45978-00-00 |
| 16 3/8 | 22 | 3 | RH | SS | SDS | 6KN-45934-00-00 |
| 16 3/8 | 22 | 3 | LH | SS | SDS | 6KP-45934-00-00 |
| 16 1/8 | 23 | 3 | RH | SS | SDS | 6KN-45932-00-00 |
| 16 1/8 | 23 | 3 | LH | SS | SDS | 6KP-45932-00-00 |
| 16 1/8 | 24 | 3 | RH | SS | SDS | 6KN-45972-00-00 |
| 16 1/8 | 24 | 3 | LH | SS | SDS | 6KP-45972-00-00 |
| 16 1/8 | 25 | 3 | RH | SS | SDS | 6KN-45974-00-00 |
| 16 1/8 | 25 | 3 | LH | SS | SDS | 6KP-45974-00-00 |
| 16 1/8 | 26 | 3 | RH | SS | SDS | 6KN-45930-00-00 |
| 16 1/8 | 26 | 3 | LH | SS | SDS | 6KP-45930-00-00 |

indicates most popular propeller family per engine group/gearcase size
**BOLD** type indicates most popular pitches | **SDS*** = Shift Dampener System

## *Small Hub* Propellers for High Performance Applications



| Diameter | Pitch | Series | Fit | Blades | Part Number |
|---|---|---|---|---|---|
| 14 | 20 | Small Hub | None | 3 | 6E5-45970-10-00 |
| 14 | 22 | Small Hub | None | 3 | 6E5-45976-10-00 |
| 14 | 24 | Small Hub | None | 3 | 6E5-45972-10-00 |
| 14 | 26 | Small Hub | None | 3 | 6E5-45978-10-00 |
| 14 | 28 | Small Hub | None | 3 | 6E5-45974-10-00 |

## *TRP* Propellers for TRP Gearcases



| Diameter | Pitch | Series | Fit | Blades | Part Number |
|---|---|---|---|---|---|
| 14 | 19 | TRP Lower Units | Front | 3 | MAR-TRP14-19-F3 |
| 13 | 19 | TRP Lower Units | Rear | 3 | MAR-TRP13-19-R3 |
| 14 | 21 | TRP Lower Units | Front | 3 | MAR-TRP14-21-F3 |
| 13 | 21 | TRP Lower Units | Rear | 3 | MAR-TRP13-21-R3 |



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## *Sharrow MX3 V6 Propellers**

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| 15.76 | 13 | 3 | R | SS | pressed in | DBY-MX3V6-13-0R |
| 15.76 | 13 | 3 | L | SS | pressed in | DBY-MX3V6-13-0L |
| 15.52 | 16 | 3 | R | SS | pressed in | DBY-MX3V6-16-0R |
| 15.52 | 16 | 3 | L | SS | pressed in | DBY-MX3V6-16-0L |
| 15.36 | 17 | 3 | R | SS | pressed in | DBY-MX3V6-17-0R |
| 15.36 | 17 | 3 | L | SS | pressed in | DBY-MX3V6-17-0L |
| 15.2 | 18 | 3 | R | SS | pressed in | DBY-MX3V6-18-0R |
| 15.2 | 18 | 3 | L | SS | pressed in | DBY-MX3V6-18-0L |
| 15.04 | 19 | 3 | R | SS | pressed in | DBY-MX3V6-19-0R |
| 15.04 | 19 | 3 | L | SS | pressed in | DBY-MX3V6-19-0L |
| 14.48 | 20 | 3 | R | SS | pressed in | DBY-MX3V6-20-0R |
| 14.48 | 20 | 3 | L | SS | pressed in | DBY-MX3V6-20-0L |
| 14.72 | 21 | 3 | R | SS | pressed in | DBY-MX3V6-21-0R |
| 14.72 | 21 | 3 | L | SS | pressed in | DBY-MX3V6-21-0L |
| 14.56 | 22 | 3 | R | SS | pressed in | DBY-MX3V6-22-0R |
| 14.56 | 22 | 3 | L | SS | pressed in | DBY-MX3V6-22-0L |
| 14.4 | 23 | 3 | R | SS | pressed in | DBY-MX3V6-23-0R |
| 14.4 | 23 | 3 | L | SS | pressed in | DBY-MX3V6-23-0L |
| 14.2 | 24 | 3 | R | SS | pressed in | DBY-MX3V6-24-0R |
| 14.2 | 24 | 3 | L | SS | pressed in | DBY-MX3V6-24-0L |
| 15.6 | 15.5 | 3 | R | SS | pressed in | DBY-MX3V6-55-0R |
| 15.6 | 15.5 | 3 | L | SS | pressed in | DBY-MX3V6-55-0L |
| 15.44 | 16.5 | 3 | R | SS | pressed in | DBY-MX3V6-65-0R |
| 15.44 | 16.5 | 3 | L | SS | pressed in | DBY-MX3V6-65-0L |
| 15.28 | 17.5 | 3 | R | SS | pressed in | DBY-MX3V6-75-0R |
| 15.28 | 17.5 | 3 | L | SS | pressed in | DBY-MX3V6-75-0L |
| 12.12 | 18.5 | 3 | R | SS | pressed in | DBY-MX3V6-85-0R |
| 15.12 | 18.5 | 3 | L | SS | pressed in | DBY-MX3V6-85-0L |
| 14.96 | 19.5 | 3 | R | SS | pressed in | DBY-MX3V6-95-0R |
| 14.96 | 19.5 | 3 | L | SS | pressed in | DBY-MX3V6-95-0L |
| 14.8 | 20.5 | 3 | R | SS | pressed in | DBY-MX3V6-05-0R |
| 14.8 | 20.5 | 3 | L | SS | pressed in | DBY-MX3V6-05-0L |
| 14.64 | 21.5 | 3 | R | SS | pressed in | DBY-MX3V6-15-0R |
| 14.64 | 21.5 | 3 | L | SS | pressed in | DBY-MX3V6-15-0L |
| 14.48 | 22.5 | 3 | R | SS | pressed in | DBY-MX3V6-25-0R |
| 14.48 | 22.5 | 3 | L | SS | pressed in | DBY-MX3V6-25-0L |
| 14.2 | 23.5 | 3 | R | SS | pressed in | DBY-MX3V6-35-0R |
| 14.2 | 23.5 | 3 | L | SS | pressed in | DBY-MX3V6-35-0L |
| 14.2 | 24.5 | 3 | R | SS | pressed in | DBY-MX3V6-45-0R |
| 14.2 | 24.5 | 3 | L | SS | pressed in | DBY-MX3V6-45-0L |
| 14.2 | 23.5 | 3 | R | SS | pressed in | DBY-MX3V6-35-0R |
| 14.2 | 23.5 | 3 | L | SS | pressed in | DBY-MX3V6-35-0L |
| 14.2 | 24.5 | 3 | R | SS | pressed in | DBY-MX3V6-45-0R |
| 14.2 | 24.5 | 3 | L | SS | pressed in | DBY-MX3V6-45-0L |

## Propellers for 3.0" (F Series) Gearcases

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **HOT SHOT FOR JOHNSON®, EVINRUDE®** | | | | | | |
| 10 1/8 | 10 | 3 | RH | SS | pressed-in | MAR-10110-0R-B0 |
| 10 1/8 | 11 | 3 | RH | SS | pressed-in | MAR-10111-0R-B0 |
| 10 1/8 | 12 | 3 | RH | SS | pressed-in | MAR-10112-0R-B0 |
| 10 1/8 | 13 | 3 | RH | SS | pressed-in | MAR-10113-0R-B0 |
| 10 1/8 | 14 | 3 | RH | SS | pressed-in | MAR-10114-0R-B0 |
| 10 1/8 | 15 | 3 | RH | SS | pressed-in | MAR-10115-0R-B0 |
| **HOT SHOT FOR MERCURY®** | | | | | | |
| 10 1/8 | 10 | 3 | RH | SS | pressed-in | MAR-10110-MR-B0 |
| 10 1/8 | 11 | 3 | RH | SS | pressed-in | MAR-10111-MR-B0 |
| 10 1/8 | 12 | 3 | RH | SS | pressed-in | MAR-10112-MR-B0 |
| 10 1/8 | 13 | 3 | RH | SS | pressed-in | MAR-10113-MR-B0 |
| 10 1/8 | 14 | 3 | RH | SS | pressed-in | MAR-10114-MR-B0 |
| 10 1/8 | 15 | 3 | RH | SS | pressed-in | MAR-10115-MR-B0 |
| **HOT SHOT FOR NISSAN®/TOHATSU®** | | | | | | |
| 10 1/8 | 10 | 3 | RH | SS | pressed-in | MAR-10110-NR-B0 |
| 10 1/8 | 11 | 3 | RH | SS | pressed-in | MAR-10111-NR-B0 |
| 10 1/8 | 12 | 3 | RH | SS | pressed-in | MAR-10112-NR-B0 |
| 10 1/8 | 13 | 3 | RH | SS | pressed-in | MAR-10113-NR-B0 |
| 10 1/8 | 14 | 3 | RH | SS | pressed-in | MAR-10114-NR-B0 |
| 10 1/8 | 15 | 3 | RH | SS | pressed-in | MAR-10115-NR-B0 |
| **HOT SHOT FOR SUZUKI®** | | | | | | |
| 10 1/8 | 10 | 3 | RH | SS | pressed-in | MAR-10110-SR-B0 |
| 10 1/8 | 11 | 3 | RH | SS | pressed-in | MAR-10111-SR-B0 |
| 10 1/8 | 12 | 3 | RH | SS | pressed-in | MAR-10112-SR-B0 |
| 10 1/8 | 13 | 3 | RH | SS | pressed-in | MAR-10113-SR-B0 |
| 10 1/8 | 14 | 3 | RH | SS | pressed-in | MAR-10114-SR-B0 |
| 10 1/8 | 15 | 3 | RH | SS | pressed-in | MAR-10115-SR-B0 |

## Propellers for 3.5" (G Series) Gearcases

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **HOT SHOT** | | | | | | |
| 10 1/2 | 10 | 3 | RH | SS | See Hub Charts* | MAR-10510-HR-C0 |
| 10 1/2 | 11 | 3 | RH | SS | See Hub Charts* | MAR-10511-HR-C0 |
| 10 1/2 | 12 | 3 | RH | SS | See Hub Charts* | MAR-10512-HR-C0 |
| 10 1/2 | 13 | 3 | RH | SS | See Hub Charts* | MAR-10513-HR-C0 |
| 10 1/2 | 14 | 3 | RH | SS | See Hub Charts* | MAR-10514-HR-C0 |
| 10 1/2 | 15 | 3 | RH | SS | See Hub Charts* | MAR-10515-HR-C0 |
| 10 1/2 | 16 | 3 | RH | SS | See Hub Charts* | MAR-10516-HR-C0 |
| 10 1/2 | 17 | 3 | RH | SS | See Hub Charts* | MAR-10517-HR-C0 |

**Most Turbo propellers "G" series (3.5" gearcase diameter) and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 6-35 to determine your required hub.*

## Propellers for 3.5" (G Series) Gearcases Continued...

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **PONTOON 1** | | | | | | |
| 12 | 9 | 3 | RH | SS | See Hub Charts* | MAR-12009-PR-C0 |
| 12 | 11 | 3 | RH | SS | See Hub Charts* | MAR-12011-PR-C0 |
| 12 | 12 | 3 | RH | SS | See Hub Charts* | MAR-12012-PR-C0 |
| 12 | 13 | 3 | RH | SS | See Hub Charts* | MAR-12013-PR-C0 |
| 12 | 15 | 3 | RH | SS | See Hub Charts* | MAR-12015-PR-C0 |

## Propellers for 4.25" (K Series) Gearcases

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **TURBO 1** | | | | | | |
| 13 1/4 | 13 | 3 | RH | SS | See Hub Charts* | MAR-13213-TR-D0 |
| 13 1/4 | 15 | 3 | RH | SS | See Hub Charts* | MAR-13215-TR-D0 |
| 13 1/4 | 17 | 3 | RH | SS | See Hub Charts* | MAR-13217-TR-D0 |
| 13 1/4 | 19 | 3 | RH | SS | See Hub Charts* | MAR-13219-TR-D0 |
| 13 1/4 | 21 | 3 | RH | SS | See Hub Charts* | MAR-13221-TR-D0 |
| 13 1/4 | 23 | 3 | RH | SS | See Hub Charts* | MAR-13223-TR-D0 |
| 13 1/4 | 25 | 3 | RH | SS | See Hub Charts* | MAR-13225-TR-D0 |
| **TURBO 1 FOR SUZUKI®** | | | | | | |
| 14 | 16 | 3 | RH | SS | See Hub Charts* | MAR-14016-SR-E0 |
| 14 | 18 | 3 | RH | SS | See Hub Charts* | MAR-14018-SR-E0 |
| 14 | 20 | 3 | RH | SS | See Hub Charts* | MAR-14020-SR-E0 |
| 14 | 22 | 3 | RH | SS | See Hub Charts* | MAR-14022-SR-E0 |
| **PONTOON 1** | | | | | | |
| 14 | 9 | 3 | RH | SS | See Hub Charts* | MAR-14009-PR-D0 |
| 14 | 11 | 3 | RH | SS | See Hub Charts* | MAR-14011-PR-D0 |
| 14 | 13 | 3 | RH | SS | See Hub Charts* | MAR-14013-PR-D0 |
| 14 | 15 | 3 | RH | SS | See Hub Charts* | MAR-14015-PR-D0 |
| **FX4** | | | | | | |
| 13 1/4 | 14 | 4 | RH | SS | See Hub Charts* | MAR-13414-XR-D0 |
| 13 1/4 | 16 | 4 | RH | SS | See Hub Charts* | MAR-13416-XR-D0 |
| 13 1/4 | 18 | 4 | RH | SS | See Hub Charts* | MAR-13418-XR-D0 |
| 13 1/4 | 20 | 4 | RH | SS | See Hub Charts* | MAR-13420-XR-D0 |
| 13 1/4 | 22 | 4 | RH | SS | See Hub Charts* | MAR-13422-XR-D0 |
| 13 1/4 | 23 | 4 | RH | SS | See Hub Charts* | MAR-13423-XR-D0 |
| 13 1/4 | 24 | 4 | RH | SS | See Hub Charts* | MAR-13424-XR-D0 |
| 13 1/4 | 25 | 4 | RH | SS | See Hub Charts* | MAR-13425-XR-D0 |

**Most Turbo propellers "G" series (3.5" gearcase diameter) and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 6-35 to determine your required hub.*

## Propellers for 4.25" (K Series) Gearcases Continued...

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **QUEST™** | | | | | | |
| 13 1/8 | 14 | 4 | RH | SS | See Hub Charts* | MAR-13414-QR-D0 |
| 13 1/8 | 15 | 4 | RH | SS | See Hub Charts* | MAR-13415-QR-D0 |
| 13 1/8 | 16 | 4 | RH | SS | See Hub Charts* | MAR-13416-QR-D0 |
| 13 1/8 | 17 | 4 | RH | SS | See Hub Charts* | MAR-13417-QR-D0 |
| 13 1/8 | 18 | 4 | RH | SS | See Hub Charts* | MAR-13418-QR-D0 |
| 13 1/8 | 19 | 4 | RH | SS | See Hub Charts* | MAR-13419-QR-D0 |
| 13 1/8 | 20 | 4 | RH | SS | See Hub Charts* | MAR-13420-QR-D0 |
| 13 1/8 | 21 | 4 | RH | SS | See Hub Charts* | MAR-13421-QR-D0 |

## Propellers for 4.75" (M/T Series) Gearcases

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **TURBO 1** | | | | | | |
| 14 1/4 | 13 | 3 | RH | SS | See Hub Charts* | MAR-14213-TR-E0 |
| 14 1/4 | 15 | 3 | RH | SS | See Hub Charts* | MAR-14215-TR-E0 |
| 14 1/4 | 15 | 3 | LH | SS | See Hub Charts* | MAR-14215-TL-E0 |
| 14 1/4 | 17 | 3 | RH | SS | See Hub Charts* | MAR-14217-TR-E0 |
| 14 1/4 | 17 | 3 | LH | SS | See Hub Charts* | MAR-14217-TL-E0 |
| 14 1/4 | 19 | 3 | RH | SS | See Hub Charts* | MAR-14219-TR-E0 |
| 14 1/4 | 19 | 3 | LH | SS | See Hub Charts* | MAR-14219-TL-E0 |
| 14 1/4 | 20 | 3 | RH | SS | See Hub Charts* | MAR-14220-TR-E0 |
| 14 1/4 | 21 | 3 | RH | SS | See Hub Charts* | MAR-14221-TR-E0 |
| 14 1/4 | 21 | 3 | LH | SS | See Hub Charts* | MAR-14221-TL-E0 |
| 14 1/4 | 22 | 3 | RH | SS | See Hub Charts* | MAR-14222-TR-E0 |
| 14 1/4 | 23 | 3 | RH | SS | See Hub Charts* | MAR-14223-TR-E0 |
| 14 1/4 | 24 | 3 | RH | SS | See Hub Charts* | MAR-14224-TR-E0 |
| 14 1/4 | 25 | 3 | RH | SS | See Hub Charts* | MAR-14225-TR-E0 |
| **FXP** | | | | | | |
| 14 3/4 | 22 | 3 | RH | SS | pressed-in | MAR-14722-R1-00 |
| 14 3/4 | 23 | 3 | RH | SS | pressed-in | MAR-14723-R1-00 |
| 14 3/4 | 24 | 3 | RH | SS | pressed-in | MAR-14724-R1-00 |
| 14 3/4 | 25 | 3 | RH | SS | pressed-in | MAR-14725-R1-00 |
| 14 3/4 | 26 | 3 | RH | SS | pressed-in | MAR-14726-R1-00 |
| 14 3/4 | 27 | 3 | RH | SS | pressed-in | MAR-14727-R1-00 |

**Most Turbo propellers "G" series (3.5" gearcase diameter) and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 6-35 to determine your required hub.*

## Propellers for 4.75" (M/T Series) Gearcases Continued...

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **LIGHTNING** | | | | | | |
| 14 1/2 | 17 | 3 | RH | SS | See Hub Charts* | MAR-14517-LR-E0 |
| 14 1/2 | 19 | 3 | RH | SS | See Hub Charts* | MAR-14519-LR-E0 |
| 14 1/2 | 21 | 3 | RH | SS | See Hub Charts* | MAR-14521-LR-E0 |
| 14 3/4 | 22 | 3 | RH | SS | See Hub Charts* | MAR-14522-LR-E0 |
| 14 3/4 | 23 | 3 | RH | SS | See Hub Charts* | MAR-14523-LR-E0 |
| 14 3/4 | 24 | 3 | RH | SS | See Hub Charts* | MAR-14524-LR-E0 |
| 14 3/4 | 25 | 3 | RH | SS | See Hub Charts* | MAR-14525-LR-E0 |
| 14 3/4 | 26 | 3 | RH | SS | See Hub Charts* | MAR-14526-LR-E0 |
| 14 3/4 | 27 | 3 | RH | SS | See Hub Charts* | MAR-14527-LR-E0 |
| **OFFSHORE II** | | | | | | |
| 15 | 16 | 3 | RH | SS | See Hub Charts* | MAR-15016-0R-E0 |
| 15 | 16 | 3 | LH | SS | See Hub Charts* | MAR-15016-0L-E0 |
| 15 | 18 | 3 | RH | SS | See Hub Charts* | MAR-15018-0R-E0 |
| 15 | 18 | 3 | LH | SS | See Hub Charts* | MAR-15018-0L-E0 |
| 15 | 20 | 3 | RH | SS | See Hub Charts* | MAR-15020-0R-E0 |
| 15 | 20 | 3 | LH | SS | See Hub Charts* | MAR-15020-0L-E0 |
| 15 | 22 | 3 | RH | SS | See Hub Charts* | MAR-15022-0R-E0 |
| 15 | 22 | 3 | LH | SS | See Hub Charts* | MAR-15022-0L-E0 |
| 15 | 26 | 3 | RH | SS | See Hub Charts* | Discontinued |
| 15 | 26 | 3 | LH | SS | See Hub Charts* | MAR-15026-0L-E0 |
| **VECTOR** | | | | | | |
| 14 1/2 | 21 | 3 | RH | SS | See Hub Charts* | MAR-14521-VR-E0 |
| 14 1/2 | 21 | 3 | LH | SS | See Hub Charts* | MAR-14521-VL-E0 |
| 14 1/2 | 22 | 3 | RH | SS | See Hub Charts* | MAR-14522-VR-E0 |
| 14 1/2 | 22 | 3 | LH | SS | See Hub Charts* | MAR-14522-VL-E0 |
| 14 1/2 | 23 | 3 | RH | SS | See Hub Charts* | MAR-14523-VR-E0 |
| 14 1/2 | 23 | 3 | LH | SS | See Hub Charts* | MAR-14523-VL-E0 |
| 14 1/2 | 24 | 3 | RH | SS | See Hub Charts* | MAR-14524-VR-E0 |
| 14 1/2 | 24 | 3 | LH | SS | See Hub Charts* | MAR-14524-VL-E0 |
| 14 1/2 | 25 | 3 | RH | SS | See Hub Charts* | MAR-14525-VR-E0 |
| 14 1/2 | 25 | 3 | LH | SS | See Hub Charts* | MAR-14525-VL-E0 |

**Most Turbo propellers "G" series (3.5" gearcase diameter) and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 6-35 to determine your required hub.*

## Propellers for 4.75" (M/T Series) Gearcases Continued...

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **OFFSHORE I** | | | | | | |
| 14 1/2 | 15 | 4 | RH | SS | See Hub Charts* | MAR-14415-0R-E0 |
| 14 1/2 | 15 | 4 | LH | SS | See Hub Charts* | MAR-14415-0L-E0 |
| 14 1/2 | 17 | 4 | RH | SS | See Hub Charts* | MAR-14417-0R-E0 |
| 14 1/2 | 17 | 4 | LH | SS | See Hub Charts* | MAR-14417-0L-E0 |
| 14 1/2 | 19 | 4 | RH | SS | See Hub Charts* | MAR-14419-0R-E0 |
| 14 1/2 | 19 | 4 | LH | SS | See Hub Charts* | MAR-14419-0L-E0 |
| 14 1/2 | 21 | 4 | RH | SS | See Hub Charts* | MAR-14421-0R-E0 |
| 14 1/2 | 21 | 4 | LH | SS | See Hub Charts* | MAR-14421-0L-E0 |
| 14 1/2 | 23 | 4 | RH | SS | See Hub Charts* | MAR-14423-0R-E0 |
| 14 1/2 | 23 | 4 | LH | SS | See Hub Charts* | MAR-14423-0L-E0 |
| 14 1/2 | 25 | 4 | RH | SS | See Hub Charts* | MAR-14425-0R-E0 |
| 14 1/2 | 25 | 4 | LH | SS | See Hub Charts* | MAR-14425-0L-E0 |
| **TXP™** | | | | | | |
| 14 3/4 | 21 | 3 | RH | SS | See Hub Charts* | MAR-14721-XR-E0 |
| 14 3/4 | 23 | 3 | RH | SS | See Hub Charts* | MAR-14723-XR-E0 |
| 14 3/4 | 24 | 3 | RH | SS | See Hub Charts* | MAR-14724-XR-E0 |
| 14 3/4 | 25 | 3 | RH | SS | See Hub Charts* | MAR-14725-XR-E0 |
| 14 3/4 | 26 | 3 | RH | SS | See Hub Charts* | MAR-14726-XR-E0 |
| 14 3/4 | 27 | 3 | RH | SS | See Hub Charts* | MAR-14727-XR-E0 |
| 14 3/4 | 28 | 3 | RH | SS | See Hub Charts* | MAR-14728-XR-E0 |
| 14 3/4 | 29 | 3 | RH | SS | See Hub Charts* | MAR-14729-XR-E0 |
| 14 3/4 | 30 | 3 | RH | SS | See Hub Charts* | MAR-14730-XR-E0 |
| 14 3/4 | 31 | 3 | RH | SS | See Hub Charts* | MAR-14731-XR-E0 |
| 14 3/4 | 32 | 3 | RH | SS | See Hub Charts* | MAR-14732-XR-E0 |
| **TURBO 2+2 OT** | | | | | | |
| 13 3/4 | 18 | 4 | RH | SS | See Hub Charts* | MAR-13418-TR-E0 |
| 13 3/4 | 20 | 4 | RH | SS | See Hub Charts* | MAR-13420-TR-E0 |
| 13 3/4 | 22 | 4 | RH | SS | See Hub Charts* | MAR-13422-TR-E0 |
| 13 3/4 | 23 | 4 | RH | SS | See Hub Charts* | MAR-13423-TR-E0 |
| 13 3/4 | 24 | 4 | RH | SS | See Hub Charts* | MAR-13424-TR-E0 |
| 13 3/4 | 25 | 4 | RH | SS | See Hub Charts* | MAR-13425-TR-E0 |
| 13 3/4 | 26 | 4 | RH | SS | See Hub Charts* | MAR-13426-TR-E0 |

**Most Turbo propellers "G" series (3.5" gearcase diameter) and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 6-35 to determine your required hub.*

## Propellers for 4.75" (M/T Series) Gearcases Continued...

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **TXP™ (ADJUSTABLE VENTILATION PORTS)** | | | | | | |
| 14 3/4 | 23 | 3 | RH | SS | See Hub Charts* | MAR-14723-XR-EM |
| 14 3/4 | 24 | 3 | RH | SS | See Hub Charts* | MAR-14724-XR-EM |
| 14 3/4 | 25 | 3 | RH | SS | See Hub Charts* | MAR-14725-XR-EM |
| 14 3/4 | 26 | 3 | RH | SS | See Hub Charts* | MAR-14726-XR-EM |
| 14 3/4 | 27 | 3 | RH | SS | See Hub Charts* | MAR-14727-XR-EM |
| 14 3/4 | 28 | 3 | RH | SS | See Hub Charts* | MAR-14728-XR-EM |
| 14 3/4 | 29 | 3 | RH | SS | See Hub Charts* | MAR-14729-XR-EM |
| 14 3/4 | 30 | 3 | RH | SS | See Hub Charts* | MAR-14730-XR-EM |
| 14 3/4 | 31 | 3 | RH | SS | See Hub Charts* | MAR-14731-XR-EM |
| 14 3/4 | 32 | 3 | RH | SS | See Hub Charts* | MAR-14732-XR-EM |
| **TXP™ OT4** | | | | | | |
| 14 3/8 | 23 | 4 | RH | SS | See Hub Charts* | MAR-14423-TR-E0 |
| 14 3/8 | 24 | 4 | RH | SS | See Hub Charts* | MAR-14424-TR-E0 |
| 14 3/8 | 25 | 4 | RH | SS | See Hub Charts* | MAR-14425-TR-E0 |
| 14 3/8 | 26 | 4 | RH | SS | See Hub Charts* | MAR-14426-TR-E0 |
| 14 3/8 | 27 | 4 | RH | SS | See Hub Charts* | MAR-14427-TR-E0 |
| 14 3/8 | 28 | 4 | RH | SS | See Hub Charts* | MAR-14428-TR-E0 |
| 14 3/8 | 29 | 4 | RH | SS | See Hub Charts* | MAR-14429-TR-E0 |
| 14 3/8 | 30 | 4 | RH | SS | See Hub Charts* | MAR-14430-TR-E0 |
| 14 3/8 | 31 | 4 | RH | SS | See Hub Charts* | MAR-14431-TR-E0 |
| **TXP™ OT4 (ADJUSTABLE VENTILATION PORTS)** | | | | | | |
| 14 3/8 | 24 | 4 | RH | SS | See Hub Charts* | MAR-14424-TR-EM |
| 14 3/8 | 25 | 4 | RH | SS | See Hub Charts* | MAR-14425-TR-EM |
| 14 3/8 | 26 | 4 | RH | SS | See Hub Charts* | MAR-14426-TR-EM |
| 14 3/8 | 27 | 4 | RH | SS | See Hub Charts* | MAR-14427-TR-EM |
| 14 3/8 | 28 | 4 | RH | SS | See Hub Charts* | MAR-14428-TR-EM |
| 14 3/8 | 29 | 4 | RH | SS | See Hub Charts* | MAR-14429-TR-EM |
| 14 3/8 | 30 | 4 | RH | SS | See Hub Charts* | MAR-14430-TR-EM |
| 14 3/8 | 31 | 4 | RH | SS | See Hub Charts* | MAR-14431-TR-EM |
| **2+2TH** | | | | | | |
| 14 | 16 | 4 | RH | SS | See Hub Charts* | MAR-14416-HR-E0 |
| 14 | 18 | 4 | RH | SS | See Hub Charts* | MAR-14418-HR-E0 |
| 14 | 20 | 4 | RH | SS | See Hub Charts* | MAR-14420-HR-E0 |
| 14 | 22 | 4 | RH | SS | See Hub Charts* | MAR-14422-HR-E0 |
| 14 | 24 | 4 | RH | SS | See Hub Charts* | MAR-14424-HR-E0 |
| 14 | 25 | 4 | RH | SS | See Hub Charts* | MAR-14425-HR-E0 |
| 14 | 26 | 4 | RH | SS | See Hub Charts* | Discontinued |

**Most Turbo propellers "G" series (3.5" gearcase diameter) and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 6-35 to determine your required hub.*

## Propellers for 4.75" (M/T Series) Gearcases Continued...

| Diameter | Pitch | Blades | Rotation | Material | Hub | Part Number |
|---|---|---|---|---|---|---|
| **FUSION 4** | | | | | | |
| 14 1/2 | 21 | 4 | RH | SS | See Hub Charts* | MAR-14421-FR-E0 |
| 14 1/2 | 21 | 4 | LH | SS | See Hub Charts* | MAR-14421-FL-E0 |
| 14 1/2 | 22 | 4 | RH | SS | See Hub Charts* | MAR-14422-FR-E0 |
| 14 1/2 | 22 | 4 | LH | SS | See Hub Charts* | MAR-14422-FL-E0 |
| 14 1/2 | 23 | 4 | RH | SS | See Hub Charts* | MAR-14423-FR-E0 |
| 14 1/2 | 23 | 4 | LH | SS | See Hub Charts* | MAR-14423-FL-E0 |
| 14 1/2 | 24 | 4 | RH | SS | See Hub Charts* | MAR-14424-FR-E0 |
| 14 1/2 | 24 | 4 | LH | SS | See Hub Charts* | MAR-14424-FL-E0 |
| 14 1/2 | 25 | 4 | RH | SS | See Hub Charts* | MAR-14425-FR-E0 |
| 14 1/2 | 26 | 4 | RH | SS | See Hub Charts* | MAR-14426-FR-E0 |
| **ULTIMA 4** | | | | | | |
| 14 1/4 | 13 | 4 | RH | SS | See Hub Charts* | MAR-14413-UR-E0 |
| 14 1/4 | 13 | 4 | LH | SS | See Hub Charts* | MAR-14413-UL-E0 |
| 14 1/4 | 15 | 4 | RH | SS | See Hub Charts* | MAR-14415-UR-E0 |
| 14 1/4 | 15 | 4 | LH | SS | See Hub Charts* | MAR-14415-UL-E0 |
| 14 1/4 | 17 | 4 | RH | SS | See Hub Charts* | MAR-14417-UR-E0 |
| 14 1/4 | 17 | 4 | LH | SS | See Hub Charts* | MAR-14417-UL-E0 |
| 14 1/4 | 19 | 4 | RH | SS | See Hub Charts* | MAR-14419-UR-E0 |
| 14 1/4 | 19 | 4 | LH | SS | See Hub Charts* | MAR-14419-UL-E0 |
| 14 1/4 | 21 | 4 | RH | SS | See Hub Charts* | MAR-14421-UR-E0 |
| 14 1/4 | 21 | 4 | LH | SS | See Hub Charts* | MAR-14421-UL-E0 |
| 14 1/4 | 23 | 4 | RH | SS | See Hub Charts* | MAR-14423-UR-E0 |
| 14 1/4 | 23 | 4 | LH | SS | See Hub Charts* | MAR-14423-UL-E0 |

**Most Turbo propellers "G" series (3.5" gearcase diameter) and up require a Guardian SQ-LOK™ hub kit or similar universal hub system. (sold separately) Please see the "Turbo Hub Application Charts" beginning on page 6-35 to determine your required hub.*

## Hubs for Yamaha Propellers

| Hub Application | Engine Horsepower | Part Number |
|---|---|---|
| TRP Front Propellers | TRP Lower Units | 65N-45981-00-00 |
| TRP Rear Propellers | TRP Lower Units | 6G5-45981-00-00 |
| K Series Propellers | (T50~F115, 70~115) | 688-45981-00-00 |
| G Series Propellers | (T25~F60, 50) | 663-45981-10-00 |
| ALUMINUM 6E5, 688, 6L6, 6G5, 6K1 Propellers | 150hp~300hp | 6G5-45981-00-00 |
| 6D0, 6D1, 68F, 68G Propellers | 150hp~300hp | 61A-45981-00-00 |
| 66K, 6R1, 6R4, 61A, 61B, 69L, 6G5, 6K1 Propellers | 150hp~300hp | 61A-45981-00-00 |
| Small Hub Propellers | 70hp~200hp | 6G5-45981-00-00 |
| 6J8 and 664 Propellers | F25, 20~30 | 664-45981-01-00 |
| N Series Propellers | 6,8 | 6G1-45981-00-00 |
| 683 Propellers J Series | 9.9, 15, F9.9, T9.9 | 683-45981-10-00 |
| F350/F350A SDS Propellers | V8 | 6AW-45C80-00-00 |
| F350B/F350C SDS Propellers | V8 | 6AW-45C81-10-00 |
| F350 Non-SDS Propellers | V8 | 6AW-45981-00-00 |
| F425A/F425B SDS Propellers | V8 | 6GR-45C81-10-00 |
| F450 SDS Propellers | V8 | 6GR-45C81-10-00 |
| Reliance / Saltwater Series SDS Propellers | F150~F300 (V6) | 6CE-45C81-10-00 |
| Talon Brass Hub | Talon Propellers | 6EK-45982-00-00 |
| Talon Rubber Dampers (3 pack) | Talon Propellers | 6EK-45C82-09-00 |

*See OSM2014-001 for acceptable greases



## Hubs for Turbo Propellers

**Guardian SQ-Lok™ Hub System**

A square hub is required for proper installation of Turbo® propellers. Turbo proudly recommends the Guardian SQ-Lok™ Hub System. Guardian SQ-Lok™ hubs are designed to take the punishing power and exhaust heat today's modern marine engines deliver. Unlike some other brands, they feature heavy-duty construction and a nylon center core (drive adaptor) with a molded-in interlocking brass spline insert for extra strength and durability. They're easy to install or replace, and come with the necessary hardware to help get you on the water fast. Demand tough. Demand convenient. Demand a Guardian SQ-Lok™ hub system.



*MAR-C014H-UB-00*



*MAR-C011H-UB-00*



*MAR-C012H-UB-00*



*MAR-C013H-UB-00*



*MAR-D500H-UB-00*



*MAR-D501H-UB-00*



*MAR-D506H-UB-00*



*MAR-D502H-UB-00*



*MAR-D503H-UB-00*



*MAR-D504H-UB-00*



*MAR-D505H-UB-00*



*MAR-D507H-UB-00*

## Turbo Hub Application Charts

All Turbo propellers “G” series (3.5” gearcase diameter and up) require a Guardian SQ-LOK™ hub kit or similar universal hub system. Use the charts below to find the required hub for your application.

**Sterndrive Hub Applications**

| Make / Model | Model Notes | Year(s) | Gearcase Diameter | Splines | Hub Part Number |
|---|---|---|---|---|---|
| Mercruiser® | 1A, 1B, 1C | | 4.75” | 15 | MAR-D501H-UB-00 |
| Mercruiser® | 120, 140, 145 DTS | | 4.75” | 15 | MAR-D501H-UB-00 |
| Mercruiser® | 165, 228, 470, 485, 888, 898 | | 4.75” | 15 | MAR-D501H-UB-00 |
| Mercruiser® | 225S, 233, 255TRS | | 4.75” | 15 | MAR-D501H-UB-00 |
| Mercruiser® | 260, 280TRS, 330TRS | | 4.75” | 15 | MAR-D501H-UB-00 |
| Mercruiser® | 120-190 HP | 1983-1985 | 4.75” | 15 | MAR-D501H-UB-00 |
| Mercruiser® | 200-260 HP | 1983-1985 | 4.75” | 15 | MAR-D501H-UB-00 |
| Alpha One® | 2.5L - 5.7L | All Years | 4.75” | 15 | MAR-D501H-UB-00 |
| Alpha One® | 6.2L MPI | All Years | 4.75” | 15 | MAR-D501H-UB-00 |
| Alpha One® | 262, 350, 354 Magnum | All Years | 4.75” | 15 | MAR-D501H-UB-00 |
| Alpha One® | 320 EFI | All Years | 4.75” | 15 | MAR-D501H-UB-00 |
| Alpha One® | D2.8L - D7.3L (Diesel) | All Years | 4.75” | 15 | MAR-D501H-UB-00 |
| Bravo One® | 320 EFI, 350, 377 | All Years | 4.75” | 15 | MAR-D501H-UB-00 |
| Bravo One® | 5.0L - 7.4L | All Years | 4.75” | 15 | MAR-D501H-UB-00 |
| OMC™ | 3.0 L - 8.2 L (Non SX Drive) | 1990-1993 | 4.75” | 15 | MAR-D502H-UB-00 |
| OMC™ Cobra™ | 5.8 L | 1989-1993 | 4.75” | 15 | MAR-D502H-UB-00 |
| Sea Drive™ | 2.0 L - 4.0 L | All Years | 4.75” | 15 | MAR-D502H-UB-00 |
| OMC™ Model 400 | 2.3 L (120 HP) | ~1991 | 4.25” | 13 | MAR-D503H-UB-00 |
| OMC™ Model 400 | 2.5 L (120 HP) | 1978-1984 | 4.25” | 13 | MAR-D503H-UB-00 |
| OMC™ Model 400 | 3.0 L (140 HP) | Thru 1989 | 4.25” | 13 | MAR-D503H-UB-00 |
| OMC™ Cobra™ | 2.3 L (128 HP) | 1988-1991 | 4.25” | 13 | MAR-D503H-UB-00 |
| OMC™ Cobra™ | 2.5 L (120 HP) | 1985-1987 | 4.25” | 13 | MAR-D503H-UB-00 |
| OMC™ Cobra™ | 3.0 L (140 HP) | 1985-1987 | 4.25” | 13 | MAR-D503H-UB-00 |
| OMC™ Sea Drive™ | 1.6 L V-4 | 1982~ | 4.25” | 13 | MAR-D503H-UB-00 |
| OMC™ Sea Drive™ | 1.8 L V-4 | 1987~ | 4.25” | 13 | MAR-D503H-UB-00 |
| SX COBRA™, VOLVO PENTA® SX | 3.0 L | 1994 & Newer | 4.75” | 19 | MAR-D504H-UB-00 |
| SX COBRA™, VOLVO PENTA® SX | 4.3 L | 1994 & Newer | 4.75” | 19 | MAR-D504H-UB-00 |
| SX COBRA™, VOLVO PENTA® SX | 5.0 L | 1994 & Newer | 4.75” | 19 | MAR-D504H-UB-00 |
| SX COBRA™, VOLVO PENTA® SX | 5.7 L | 1994 & Newer | 4.75” | 19 | MAR-D504H-UB-00 |
| SX COBRA™, VOLVO PENTA® SX | 5.8 L | 1994-1997 | 4.75” | 19 | MAR-D504H-UB-00 |
| SX COBRA™, VOLVO PENTA® SX | 7.4 L | 1997 & Newer | 4.75” | 19 | MAR-D504H-UB-00 |
| SX COBRA™, VOLVO PENTA® SX | 8.2 L | 1997 | 4.75” | 19 | MAR-D504H-UB-00 |
| YAMAHA STERNDRIVES | 3.0 L (130 HP) EST/PSR | 1989-1993 | 4.75” | 15 | MAR-D505H-UB-00 |
| YAMAHA STERNDRIVES | 4.3 L (205 HP) EST/PSR/YEMS | 1989-1993 | 4.75” | 15 | MAR-D505H-UB-00 |
| YAMAHA STERNDRIVES | 5.0 L (205 HP) EST/PSR/YEMS | 1989-1993 | 4.75” | 15 | MAR-D505H-UB-00 |
| YAMAHA STERNDRIVES | 5.7 L (260 HP) EST/PSR/YEMS | 1989-1993 | 4.75” | 15 | MAR-D505H-UB-00 |
| YAMAHA STERNDRIVES | 7.4 L (300 HP) EST | 1992-1993 | 4.75” | 15 | MAR-D505H-UB-00 |

## MERCURY® 2-Stroke Hub Applications

| Horsepower | Model Notes | Years | Gearcase Diameter | Splines | RPM Range | Gear Ratio | Hub Part Number |
|---|---|---|---|---|---|---|---|
| 30 HP | (SeaPro®/Marathon) | 1994~ | 3.25 | 13 | 4500-5500 | 2.00 | MAR-C011H-UB-00 |
| 30 HP | 2-Stroke | 1994-2002 | 3.25 | 13 | 4500-5500 | 2.00 | MAR-C011H-UB-00 |
| 35 HP | | 1984-1989 | 3.25 | 13 | 4500-5500 | 2.00 | MAR-C011H-UB-00 |
| 40 HP | (Model 402) | 1974-1976 | 3.25 | 13 | 4500-5500 | 2.00 | MAR-C011H-UB-00 |
| 40 HP | (SeaPro®/Marathon) | 1977~ | 3.25 | 13 | 4500-5500 | 2.00 | MAR-C011H-UB-00 |
| 40 HP | 2-Stroke (Includes Model 402) | 1977~ | 3.25 | 13 | 5000-5500 | 1.83 | MAR-C011H-UB-00 |
| 45 HP | | 1986-1989 | 3.25 | 13 | 5000-5500 | 1.83 | MAR-C011H-UB-00 |
| 48 HP | (Mariner®) | All Years | 3.25 | 13 | 5000-5500 | 1.83 | MAR-C011H-UB-00 |
| 50 HP | (Model 500) | 1974-1976 | 3.25 | 13 | 5000-5500 | 1.83 | MAR-C011H-UB-00 |
| 50 HP | 2-Stroke (Includes Model 500) | 1977~ | 3.25 | 13 | 5000-5500 | 1.83 | MAR-C011H-UB-00 |
| 55 HP | (MERCURY®/SeaPro®/ Marathon) | 1995~ | 3.25 | 13 | 5000-5500 | 1.83 | MAR-C011H-UB-00 |
| 60 HP | 2-Stroke | 1978~ | 3.25 | 13 | 5000-5500 | 1.64 | MAR-C011H-UB-00 |
| 60 HP | (SeaPro®/Marathon) | 1995~ | 4.25 | 15 | 4500-5500 | 2.30 | MAR-D501H-UB-00 |
| 65 HP | (Model 650 - 4 Cyl.) | 1961-1970 | 4.25 | 15 | 4500-5500 | 2.30 | MAR-D501H-UB-00 |
| 65 HP | (Model 650 - 2 Cyl.) | ~1971 | 4.25 | 15 | 4500-5500 | 2.30 | MAR-D501H-UB-00 |
| 70 HP | | 1987-1989 | 4.25 | 15 | 4500-5500 | 2.30 | MAR-D501H-UB-00 |
| 70 HP | (Includes Model 700) | ~1983 | 3.25 | 13 | 4500-5500 | 2.30 | MAR-C011H-UB-00 |
| 75 HP | (SeaPro®/Marathon) | All Years | 4.25 | 15 | 4750-5250 | 2.30 | MAR-D501H-UB-00 |
| 75 HP | Optimax® | | 4.25 | 15 | 5000-5750 | 2.33 | MAR-D501H-UB-00 |
| 80 HP | (Mariner®) | 1978-1983 | 4.25 | 15 | | | MAR-D501H-UB-00 |
| 80 HP | | 1978-1989 | 4.25 | 15 | | | MAR-D501H-UB-00 |
| 90 HP | 2-Stroke | 1989-2004 | 4.25 | 15 | 5000-5500 | 2.30 | MAR-D501H-UB-00 |
| 90 HP | Optimax® | 2005~ | 4.25 | 15 | 5000-5500 | 2.33 | MAR-D501H-UB-00 |
| 100 HP | | 1988~ | 4.25 | 15 | 4750-5250 | 2.07 | MAR-D501H-UB-00 |
| | Models 900 1150 1500 | ~1977 | 4.25 | 15 | 4750-5250 | 2.07 | MAR-D501H-UB-00 |
| 115 HP | | 1978-1983 | 4.25 | 15 | 4750-5250 | 2.07 | MAR-D501H-UB-00 |
| 115 HP | Optimax® | 2007~ | 4.25 | 15 | 5000-5700 | 2.07 | MAR-D501H-UB-00 |
| 125 HP | | 1994-2005 | 4.25 | 15 | 4750-5250 | 2.07 | MAR-D501H-UB-00 |
| 135 HP | | 1987~ | 4.75 | 15 | 5000-5600 | 2.00 | MAR-D501H-UB-00 |
| 135 HP | Optimax® | 1996~ | 4.75 | 15 | 5250-5750 | 2.00 | MAR-D501H-UB-00 |
| 140 HP | | All Years | 4.25 | 15 | | | MAR-D501H-UB-00 |
| 150 HP | | 1978~ | 4.75 | 15 | 5000-5600 | 1.87 | MAR-D501H-UB-00 |
| 150 HP | Optimax® | 2004~ | 4.75 | 15 | 5250-5750 | 1.87 | MAR-D501H-UB-00 |
| 175 HP | | 1978~ | 4.75 | 15 | 5000-5600 | 1.87 | MAR-D501H-UB-00 |
| 175 HP | Optimax® | 2000~ | 4.75 | 15 | 5250-5750 | 1.87 | MAR-D501H-UB-00 |
| 200 HP | | 1978~ | 4.75 | 15 | 5000-5600 | 1.87 | MAR-D501H-UB-00 |
| 200 HP | Optimax® | 1998~ | 4.75 | 15 | 5000-5750 | 1.87 | MAR-D501H-UB-00 |
| 220 HP | | 1987-1988 | 4.75 | 15 | 5000-5600 | 1.87 | MAR-D501H-UB-00 |
| 225 HP | | 1980~ | 4.75 | 15 | 5000-5750 | 1.75 | MAR-D501H-UB-00 |
| 225 HP | Optimax® | 1998~ | 4.75 | | 5000-5750 | 1.75 | MAR-D501H-UB-00 |
| 3.4 Litre | | 1984-1986 | 4.75 | 15 | 5000-5750 | 1.75 | MAR-D501H-UB-00 |
| 250 HP | Optimax® | 2007~ | 4.75 | | 5000-5750 | 1.75 | MAR-D501H-UB-00 |
| 275 HP | | 1990-1994 | 4.75 | 15 | 5000-5750 | 1.75 | MAR-D501H-UB-00 |
| 300 HP | | 1983; 1999~ | 4.75 | 15 | 5000-5750 | 1.75 | MAR-D501H-UB-00 |

| MERCURY® 4-Stroke Hub Applications | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Horsepower** | **Model Notes** | **Years** | **Gearcase Diameter** | **Splines** | **RPM Range** | **Gear Ratio** | **Hub Part Number** |
| 25 HP | 4-Stroke/Bigfoot | 1999-2005 | 3.5” | 13 | 5250-5750 | 2.40 | MAR-C011H-UB-00 |
| 30 HP | 4-Stroke | 1999-2005 | 3.5” | 13 | 5500-6000 | 2.00 | MAR-C011H-UB-00 |
| 40 HP | 4-Stroke (Not Bigfoot) | 1997~ | 3.5” | 13 | 5500-6000 | 2.00 | MAR-C011H-UB-00 |
| 40 HP | 4-Stroke / Bigfoot | All Years | 3.5” | 15 | | | MAR-D501H-UB-00 |
| 50 HP | 4-Stroke (Not Bigfoot) | 1995~ | 3.5” | 13 | 5500-6000 | 1.83 | MAR-C011H-UB-00 |
| 50 HP | 4-Stroke / Bigfoot | All Years | 4.25” | 15 | 5500-6000 | 2.33 | MAR-D501H-UB-00 |
| 60 HP | 4-Stroke (Not Bigfoot) | 2001~ | 3.25” | 13 | 5500-6000 | 1.83 | MAR-C011H-UB-00 |
| 60 HP | 4-Stroke / Bigfoot | 1995~ | 4.25” | 15 | 5500-6000 | 2.33 | MAR-D501H-UB-00 |
| 75 HP | 4-Stroke | 2001~ | 4.25” | 15 | 4500-5500 | 2.33 | MAR-D501H-UB-00 |
| 90 HP | 4-Stroke | 2001~ | 4.25” | 15 | 5000-6000 | 2.33 | MAR-D501H-UB-00 |
| 115 HP | 4-Stroke | 2001-2006 | 4.25” | 15 | 5000-6000 | 2.07 | MAR-D501H-UB-00 |
| 115 HP | EFI 4-Stroke | 2007~ | 4.25” | 15 | 5800-6400 | 2.07 | MAR-D501H-UB-00 |
| 135 HP | Verado® | 2007~ | 4.75” | 15 | 5200-6400 | 2.08 | MAR-D501H-UB-00 |
| 150 HP | Verado® | 2006~ | 4.75” | 15 | 5800-6400 | 2.08 | MAR-D501H-UB-00 |
| 175 HP | Verado® | 2006~ | 4.75” | 15 | 5800-6400 | 2.08 | MAR-D501H-UB-00 |
| 200 HP | Verado® | 2005~ | 4.75” | 15 | 5800-6400 | 2.08 | MAR-D501H-UB-00 |
| 225 HP | Verado® | 2005~ | 4.75” | 15 | 5800-6400 | 1.85 | MAR-D501H-UB-00 |
| 250 HP | Verado® | 2005~ | 4.75” | 15 | 5800-6400 | 1.85 | MAR-D501H-UB-00 |
| 275 HP | Verado® | 2005~ | 4.75” | 15 | 5800-6400 | 1.85 | MAR-D501H-UB-00 |

| Honda® Hub Applications | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Horsepower** | **Model Notes** | **Years** | **Gearcase Diameter** | **Splines** | **RPM Range** | **Gear Ratio** | **Hub Part Number** |
| 35 HP | BF 35 | 1991-1994 | 3.5” | 13 | 4600-5600 | 2.09 | MAR-C012H-UB-00 |
| 40 HP | BF 40 | 1995~ | 3.5” | 13 | 5000-6000 | 2.09 | MAR-C012H-UB-00 |
| 45 HP | BF 45 | 1991-1994 | 3.5” | 13 | 5000-6000 | 2.09 | MAR-C012H-UB-00 |
| 50 HP | BF50/50A | 1995~ | 3.5” | 13 | 5500-6000 | 2.09 | MAR-C012H-UB-00 |
| 60 HP | BF 60 | 2010~ | 3.5” | 13 | 5000-6000 | 2.07 | MAR-C012H-UB-00 |
| 60 HP | BFP 60 | 2010~ | 4.25” | 15 | 5000-6000 | 2.33 | MAR-D507H-UB-00 |
| 75 HP | BF 75 | 1995~ | 4.25” | 15 | 5000-6000 | 2.33 | MAR-D507H-UB-00^^ |
| 90 HP | BF 90 | 1995-2002 | 4.25” | 15 | 5000-6000 | 2.33 | MAR-D507H-UB-00^^ |
| 90 HP | BF 90 | 2003-2006 | 4.25” | 15 | 5000-6000 | 2.30 | MAR-D507H-UB-00 |
| 90 HP | BF 90 | 2007~ | 4.25” | 15 | 5300-6300 | 2.33 | MAR-D507H-UB-00 |
| 115 HP | BF 115 | 1998~ | 4.25” | 15 | 5000-6000 | 2.00 | MAR-D507H-UB-00 |
| 130 HP | BF 130 | 1998-2004 | 4.25” | 15 | 5000-6000 | 2.00 | MAR-D507H-UB-00 |
| 135 HP | BF 135 | 2004~ | 4.25” | 15 | 5000-6000 | 2.14 | MAR-D507H-UB-00 |
| 150 HP | BF 150 | 2004~ | 4.25” | 15 | 5000-6000 | 2.14 | MAR-D507H-UB-00 |
| 200 HP | BF 200 | 2002~ | 4.25” | 15 | 5000-6000 | 1.86 | MAR-D507H-UB-00 |
| 225 HP | BF 225 | 2002~ | 4.25” | 15 | 5000-6000 | 1.86 | MAR-D507H-UB-00 |

*^^ BF75,BF90 (~1998) Use MAR-D501H-UB-00*

## Evinrude® / Johnson® 2-Stroke Hub Applications

| Horsepower | Model Notes | Years | Gearcase Diameter | Splines | RPM Range | Gear Ratio | Hub Part Number |
|---|---|---|---|---|---|---|---|
| 40 HP | E-Tec® | 2004~ | 4.25" | 13 | 5500-6000 | 2.67 | MAR-D503H-UB-00 |
| 40 HP | 2 Cyl | 1984-2005 | 3.38" | 13 | 4500-5500 | 2.42 | MAR-C012H-UB-00 |
| 45 HP | 2 Cyl. Commercial | 1986-1995 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 48 HP | | 1987~ | 3.38" | 13 | | | MAR-C012H-UB-00 |
| 50 HP | 2 Cyl | 1975-2005 | 3.38" | 13 | 4500-5500 | 2.42 | MAR-C012H-UB-00 |
| 50 HP | 2 Cyl. Commercial | 1977-1979 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 50 HP | 2 Cyl. Pleasure | 1971-1974 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 50 HP | 3 Cyl. Pleasure | 1994-1998 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 50 HP | E-Tec® | 2004~ | 4.25" | 13 | 5500-6000 | 2.67 | MAR-D503H-UB-00 |
| 55 HP | | 1976-1979 | 3.38" | 13 | | | MAR-C012H-UB-00 |
| 55 HP | 3 Cyl | 1968-1969 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 55 HP | 2 Cyl. Commercial | 1980~ | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 55 HP | E-Tec® | 2009~ | 4.25" | 13 | 5500-6000 | 2.67 | MAR-D503H-UB-00 |
| Sprint/Formula E | | 1986-1992 | 3.38" | 13 | | | MAR-C012H-UB-00 |
| 60 HP | 3 Cyl. Pleasure | 1970-1971 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 60 HP | 3 Cyl | 1986-2001 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 60 HP | E-Tec® | 2004~ | 4.25" | 13 | 5500-6000 | 2.67 | MAR-D503H-UB-00 |
| 65 HP | 2 Cyl | 1980-1985 | 3.38" | 13 | | | MAR-C012H-UB-00 |
| 65 HP | 3 Cyl. Pleasure | 1972-1973 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 65 HP | 3 Cyl. Commercial | 1984-2001 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 70 HP | 3 Cyl. Commercial | 1974-2001 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 75 HP | E-Tec® | 2004~ | 4.25" | 13 | 4500-5500 | 2.00 | MAR-D503H-UB-00 |
| 75 HP | 3 Cyl | 1975-1985 | 3.38" | 13 | | | MAR-C012H-UB-00 |
| 75 HP | 3 Cyl. Pleasure | 1975-1984 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 85 HP | V4 | 1969-1980 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 85 HP | V4 | 1991-1995 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 88 HP | V4 | 1981-1996 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 90 HP | V4 | 1981~ | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 90 HP | V6 | 1995~ | 4.75" | 15 | | | MAR-D502H-UB-00 |
| 90 HP | E-Tec® Std. Length | 2004~ | 4.25" | 13 | 4500-5500 | 2.00 / 2.25 | MAR-D503H-UB-00 |
| 100 HP | V4 | 1979-1980 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 100 HP | V4 | 1989-1993 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 100 HP | V6 Commercial | 1984~ | 4.75" | 15 | | | MAR-D502H-UB-00 |
| 110 HP | V4 | 1986-1989 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 112 HP | V4 | 1994-1996 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 115 HP | E-Tec® (Includes H.O.) | 2004~ | 4.25" | 13 | 4500-5500 | 2.00 / 2.25 | MAR-D503H-UB-00 |
| 115 HP | V6 | 1995~ | 4.75" | 15 | | | MAR-D502H-UB-00 |
| 115 HP | V4 | 1973~ | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 120 HP | V4 | 1986-1994 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 120 HP | V6 | 1985 | 4.75" | 15 | | | MAR-D502H-UB-00 |
| 125 HP | V4 | 1971-1972 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 130 HP | V6 | 1995~ | 4.75" | 15 | | | MAR-D502H-UB-00 |
| 130 HP | E-Tec® | 2004~ | 4.25" | 13 | 5500-6000 | 2.00 / 2.25 | MAR-D503H-UB-00 |
| 135 HP | V4 | 1973-1976 | 4.25" | 13 | | | MAR-D503H-UB-00 |
| 140 HP | V4 | 1977-1994 | 4.25" | 13 | | | MAR-D503H-UB-00 |

| Evinrude® / Johnson® 2-Stroke Hub Applications Continued... | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Horsepower** | **Model Notes** | **Years** | **Gearcase Diameter** | **Splines** | **RPM Range** | **Gear Ratio** | **Hub Part Number** |
| 140 HP | V6 | 1985 | 4.75” | 15 | | | MAR-D502H-UB-00 |
| 140 HP | V6 (25”) | 1989-1994 | 4.75” | 15 | | | MAR-D502H-UB-00 |
| 150 Hp | E-Tec® | 2009~ | 4.75” | 15 | 4850-5850 | 1.86 | MAR-D502H-UB-00 |
| 150 HP | V6 | 1978~ | 4.75” | 15 | 4500-5500 | 1.86 | MAR-D502H-UB-00 |
| 150 HP | V6 Commercial | 1995~ | 4.75” | 15 | | | MAR-D502H-UB-00 |
| 155 HP | Commercial | 1978~ | 4.75” | 15 | | | MAR-D502H-UB-00 |
| 175 Hp | E-Tec® | 2008~ | 4.75” | 15 | 4850-5850 | 1.86 | MAR-D502H-UB-00 |
| 175 HP | V6 | 1977~ | 4.75” | 15 | 5300-5800 | 1.86 | MAR-D502H-UB-00 |
| 185 HP | V6 | 1984-1985 | 4.75” | 15 | | | MAR-D502H-UB-00 |
| 2.6 Liter | V6 | 1984-1985 | 4.75” | 15 | | | MAR-D502H-UB-00 |
| 3.6 Liter | V6 | 1986-1987 | 4.75” | 15 | | | MAR-D502H-UB-00 |
| 200 HP | V6 | 1976~ | 4.75” | 15 | 5000-6000 | 1.86 | MAR-D502H-UB-00 |
| 200 Hp | E-Tec® | 2006~ | 4.75” | 15 | 4500-5800 | 1.86 | MAR-D502H-UB-00 |
| 225 HP | E-Tec® | 2006~ | 4.75” | 15 | 4500-5800 | 1.86 | MAR-D502H-UB-00 |
| 225 HP | E-Tec® H.O. | 2009~ | 4.75” | 15 | 4500-5800 | 1.71 | MAR-D502H-UB-00 |
| 225 HP | V6 | 1986~ | 4.75” | 15 | 5000-6000 | 1.86 | MAR-D502H-UB-00 |
| 235 HP | V6 | 1978-1985 | 4.75” | 15 | 5000-6000 | 1.86 | MAR-D502H-UB-00 |
| 250 HP | V6 | 1991~ | 4.75” | 15 | 5000-6000 | 1.86 | MAR-D502H-UB-00 |
| 250 HP | E-Tec® | 2006~ | 4.75” | 15 | 4500-5800 | 1.85 | MAR-D502H-UB-00 |
| 250 HP | E-Tec® H.O. | 2008~ | 4.75” | 15 | 4500-6000 | 1.71 | MAR-D502H-UB-00 |
| 275 HP | V8 | 1986-1988 | 4.75” | 15 | 5000-6000 | 1.86 | MAR-D502H-UB-00 |
| 300 HP | V8 | 1988-1995 | 4.75” | 15 | 5000-6000 | 1.86 | MAR-D502H-UB-00 |
| 300 HP | E-Tec® | 2009~ | 4.75” | 15 | 5000-6000 | 1.86 | MAR-D502H-UB-00 |

| Evinrude® / Johnson® 4-Stroke Hub Applications | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Horsepower** | **Model Notes** | **Years** | **Gearcase Diameter** | **Splines** | **RPM Range** | **Gear Ratio** | **Hub Part Number** |
| 40 HP | 4-Stroke | 1999-2005 | 3.5” | 13 | 5200-5800 | 2.27 | MAR-C011H-UB-00 |
| 50 HP | 4-Stroke | 1999-2005 | 3.25” | 13 | 5200-5800 | 2.27 | MAR-C011H-UB-00 |
| 60 HP | 4-Stroke | 1998~ | 4.25” | 13 | 4700-5300 | 2.42 | MAR-D503H-UB-00 |
| 70 HP | 4-Stroke | 1998~ | 4.25” | 13 | 5200-5800 | 2.42 | MAR-D503H-UB-00 |
| 90 HP | 4-Stroke | 2003~ | 4.25” | 15 | 4500-5500 | 2.59 | MAR-D509H-UB-00 |
| 115 HP | 4-Stroke | 2003~ | 4.25” | 15 | 5000-6000 | 2.59 | MAR-D509H-UB-00 |
| 140 HP | 4-Stroke | 2003~ | 4.25” | 15 | 5600-6200 | 2.38 | MAR-D501H-UB-00 |
| 200 HP | 4-Stroke | 2004-2005 | 4.75” | 15 | 5000-6000 | 2.29 | MAR-D502H-UB-00 |
| 225 HP | 4-Stroke | 2004-2005 | 4.75” | 15 | 5000-6000 | 2.29 | MAR-D502H-UB-00 |

## Suzuki® Hub Applications

| Horsepower | Model Notes | Years | Gearcase Diameter | Splines | RPM Range | Gear Ratio | Hub Part Number |
|---|---|---|---|---|---|---|---|
| DT 35C | | 1987-1989 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DT 40 | | 1983-1998 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DF 40 | 4-Stroke | 1999-2010 | 3.5” | 13 | 5200-5800 | 2.27 | MAR-C011H-UB-00 |
| DF 40A | 4-Stroke | 2011~ | 3.5” | 13 | 5000-6000 | 2.27 | MAR-C011H-UB-00 |
| DT 50 | | 1983-1984 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DT 50M | | 1983-1984 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DF 50 | 4-Stroke | 1999-2010 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DF 50A | 4-Stroke | 2011~ | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DT 55 | | 1985-1997 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DT 60 | | 1983-1984 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DF 60A | 4-Stroke | 2010~ | 3.5” | 13 | 5300-6300 | 2.27 | MAR-C011H-UB-00 |
| DF 60 | 4-Stroke | 1998-2009 | 4.25” | 13 | 4700-5300 | 2.42 | MAR-C011H-UB-00 |
| DT 65 | | 1985-1997 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| DF 70 | 4-Stroke | 1998-2008 | 4.25” | 13 | 5200-5800 | 2.42 | MAR-C011H-UB-00 |
| DF 70A | 4-Stroke | 2009~ | 4.25” | 15 | 5000-6000 | 2.59 | MAR-D509H-UB-00 |
| DT 75 | | 1983-1997 | 4.25” | 13 | | | MAR-D506H-UB-00 |
| DF 80A | 4-Stroke | 2009~ | 4.25” | 15 | 5000-6000 | 2.59 | MAR-D509H-UB-00 |
| DT 85 | | 1979-2000 | 4.25” | 13 | | | MAR-D506H-UB-00 |
| DT 90 | | 1989-1997 | 4.25” | 13 | | | MAR-D506H-UB-00 |
| DF 90 | 4-Stroke | 2001-2008 | 4.25” | 15 | 4500-5500 | 2.59 | MAR-D509H-UB-00 |
| DF 90A | 4-Stroke | 2009~ | 4.25” | 15 | 5300-6300 | 2.59 | MAR-D509H-UB-00 |
| DT 100 | | 1989-2000 | 4.25” | 13 | | | MAR-D506H-UB-00 |
| DF 100 | 4-Stroke | 2009~ | 4.25” | 15 | | | MAR-D509H-UB-00 |
| DT 115 | | 1981-2001 | 4.25” | 13 | | | MAR-D506H-UB-00 |
| DF 115 | 4-Stroke | 2001~ | 4.25” | 15 | 5000-6000 | 2.59 | MAR-D509H-UB-00 |
| DT 140 | | 1981-2001 | 4.25” | 13 | | | MAR-D506H-UB-00 |
| DF 140 | 4-Stroke | 2002~ | 4.25” | 15 | 5600-6200 | 2.59 | MAR-D501H-UB-00 |
| DT 150 | | 1986-2003 | 4.75” | 15 | | | MAR-D507H-UB-00 |
| DF 150 | 4-Stroke | 2006~ | 4.75” | 15 | 5000-6000 | 2.50 | MAR-D507H-UB-00 |
| DT 175 | | 1987-1992 | 4.75” | 15 | | | MAR-D507H-UB-00 |
| DF 175 | 4-Stroke | 2006~ | 4.75” | 15 | 5500-6100 | 2.50 | MAR-D507H-UB-00 |
| DT 200 | | 1986-2000 | 4.75” | 15 | | | MAR-D507H-UB-00 |
| DF 200 | 4-Stroke | 2004~ | 4.75” | 15 | 5000-6000 | 2.29 | MAR-D507H-UB-00 |
| DT 225 | | 1986-2003 | 4.75” | 15 | | | MAR-D507H-UB-00 |
| DF 225 | 4-Stroke | 2004~ | 4.75” | 15 | 5000-6000 | 2.29 | MAR-D507H-UB-00 |
| DF 250 | 4-Stroke | 2004~ | 4.75” | 15 | 5500-6100 | 2.29 | MAR-D507H-UB-00 |
| DF 300 | 4-Stroke | 2007~ | 4.75” | 15 | 5700-6300 | 2.08 | MAR-D507H-UB-00 |

| Force® Hub Applications | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Horsepower** | **Model Notes** | **Years** | **Gearcase Diameter** | **Splines** | **RPM Range** | **Gear Ratio** | **Hub Part Number** |
| 40 HP | | 1995-1998 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| 50 HP | | 1995-1998 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| 70 HP | | 1991-1995 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| 75 HP | | 1996-1998 | 3.5” | 13 | | | MAR-C011H-UB-00 |
| 75 HP | | 1999~ | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 85 HP | | 1988-1989 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 90 HP | L-Drive | 1989-1991 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 90 HP | | 1995-1996 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 90 HP | L-Drive | 1990-1991 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 90 HP | | 1990-1994 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 120 HP | L-Drive | 1989-1991 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 120 HP | | 1995-1996 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 120 HP | L-Drive | 1990-1991 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 120 HP | | 1990-1994 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 125 HP | | 1988-1989 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 150 HP | | 1989-1994 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 150 HP | L-Drive | 1991 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 150 HP | | 1989-1994 | 4.25” | 15 | | | MAR-D501H-UB-00 |
| 150 HP | L-Drive | 1991 | 4.25” | 15 | | | MAR-D501H-UB-00 |

| Nissan® / Tohatsu® Hub Applications | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Horsepower** | **Model Notes** | **Years** | **Gearcase Diameter** | **Splines** | **RPM Range** | **Gear Ratio** | **Hub Part Number** |
| 35 HP | (35B Only) | ~1984 | 3.5” | 13 | | | MAR-C013H-UB-00 |
| 40 HP | 40D | 1984~ | 3.5” | 13 | 4500-5500 | 1.85 | MAR-C013H-UB-00 |
| 40 HP | TLDI® | 2003~ | 3.5” | 13 | 5150-5850 | 1.85 | MAR-C013H-UB-00 |
| 50 HP | 50C | 1987-1999 | 3.5” | 13 | 5000-5700 | 1.85 | MAR-C013H-UB-00 |
| 50 HP | includes TLDI® | 2000~ | 3.5” | 13 | 5150-5850 | 1.85 | MAR-C013H-UB-00 |
| 55 HP | | 1981-1988 | 3.5” | 13 | | | MAR-C013H-UB-00 |
| 60A | | 1986-1999 | 3.5” | 13 | | | MAR-C013H-UB-00 |
| 60C | (Large Gearcase) | ~1999 | 4.25” | 15 | | | MAR-D505H-UB-00 |
| 70 HP | 70A and 70B | 1981-1995 | 3.5” | 13 | | | MAR-C013H-UB-00 |
| 70 HP | | 1992-1997 | 4.25” | 15 | 4900-5600 | 2.30 | MAR-D505H-UB-00 |
| 70 HP | TLDI® | 1998~ | 4.25” | 15 | 5150-5850 | 2.30 | MAR-D505H-UB-00 |
| 75 HP | TLDI® | 2010~ | 4.25” | 15 | 5150-5850 | 2.33 | MAR-D505H-UB-00 |
| 90 HP | | 1987-1999 | 4.25” | 15 | 5000-5500 | 2.00 | MAR-D505H-UB-00 |
| 90 HP | TLDI® | 2000-2009 | 4.25” | 15 | 5150-5850 | 2.00 | MAR-D505H-UB-00 |
| 90 HP | TLDI® | 2010~ | 4.25” | 15 | 5150-5850 | 2.33 | MAR-D505H-UB-00 |
| 115 HP | | 1992-2002 | 4.25” | 15 | 5200-5700 | 2.00 | MAR-D505H-UB-00 |
| 115 HP | TLDI® | 2003~ | 4.25” | 15 | 5150-5850 | 2.00 | MAR-D505H-UB-00 |
| 120 HP | | 1988-2003 | 4.25” | 15 | 5200-5700 | 2.00 | MAR-D505H-UB-00 |
| 140 HP | | 1988-2003 | 4.25” | 15 | 5200-5700 | 2.00 | MAR-D505H-UB-00 |

## Yamaha 2-Stroke Hub Applications

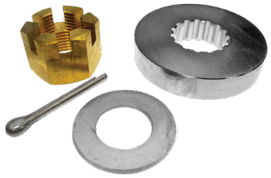
| Horsepower | Model Notes | Years | Gearcase Diameter | Splines | RPM Range | Gear Ratio | Hub Part Number |
|---|---|---|---|---|---|---|---|
| 40 HP | 2 Stroke | 1984~ | 3.5” | 13 | 4500-5500 | 1.85 | MAR-C014H-UB-00 |
| 48 HP | 2 Stroke | 1995-2000 | 3.5” | 13 | 4500-5500 | 1.85 | MAR-C014H-UB-00 |
| 50 HP | 2 Stroke | 1984~ | 3.5” | 13 | 4500-5500 | 1.85 | MAR-C014H-UB-00 |
| 55 HP | 2 Stroke | ~1995 | 3.5” | 13 | 4500-5500 | 1.84 | MAR-C014H-UB-00 |
| 60 HP | 2 Stroke | ~1991 | 3.5” | 13 | 4500-5500 | 2.33 | MAR-C014H-UB-00 |
| 60 HP | 2 Stroke | 1992-2005 | 4.25” | 15 | 4500-5500 | 2.00 | MAR-D500H-UB-00 |
| 70 HP | 2 Stroke | 2000~ | 4.25” | 15 | 4500-5500 | 2.33 | MAR-D500H-UB-00 |
| 75 HP | 2 Stroke | 1994-1999 | 4.25” | 15 | 4500-5500 | 2.00 | MAR-D500H-UB-00 |
| 80 HP | 2 Stroke | 1997 | 4.25” | 15 | 4500-5500 | 2.00 | MAR-D500H-UB-00 |
| 85 HP | 2 Stroke | 1991-1997 | 4.25” | 15 | 4500-5500 | 2.00 | MAR-D500H-UB-00 |
| 90 HP | 2 Stroke | 1984~ | 4.25” | 15 | 4500-5500 | 2.00 | MAR-D500H-UB-00 |
| 115 HP | 2 Stroke | 1984~ | 4.25” | 15 | 4500-5500 | 2.00 | MAR-D505H-UB-00 |
| 130 HP | 2 Stroke | 1984-2003 | 4.25” | 15 | 4500-5500 | 2.00 | MAR-D505H-UB-00 |
| 150 HP | 2 Stroke | 1986~ | 4.75” | 15 | 4500-5500 | 2.00 | MAR-D505H-UB-00 |
| 175 HP | 2 Stroke | 1984~ | 4.75” | 15 | 4500-5500 | 1.86 | MAR-D505H-UB-00 |
| 200 HP | 2 Stroke | 1984~ | 4.75” | 15 | 4500-5500 | 1.86 | MAR-D505H-UB-00 |
| 220 HP | (Special) | 1984-1985 | 4.75” | 15 | 4500-5500 | 1.75 | MAR-D505H-UB-00 |
| 225 HP | 2 Stroke | 1986~ | 4.75” | 15 | 4500-5500 | 1.75 | MAR-D505H-UB-00 |
| 225 HP | (Excel) 2 Stroke | 1987-1988 | 4.75” | 15 | 4500-5500 | 1.75 | MAR-D505H-UB-00 |
| 250 HP | 2 Stroke | 1990~ | 4.75” | 15 | 4500-5500 | 1.75 | MAR-D505H-UB-00 |
| 2.6L | VMAX® 2 Stroke | 2001~ | 4.75” | 15 | 4500-5500 | 1.86 | MAR-D505H-UB-00 |
| 3.3L | VMAX® 2 Stroke | 2001~ | 4.75” | 15 | 4500-5500 | 1.75 | MAR-D505H-UB-00 |

## Yamaha 4-Stroke Hub Applications

| Horsepower | Model Notes | Years | Gearcase Diameter | Splines | RPM Range | Gear Ratio | Hub Part Number |
|---|---|---|---|---|---|---|---|
| T25 | 4-Stroke | | 3.5” | 13 | 5000-6000 | | MAR-C014H-UB-00 |
| F30 | 4-Stroke | 2001-2005 | 3.5” | 13 | 5000-6000 | 2.00 | MAR-C014H-UB-00 |
| F40 | 4-Stroke | 1999~ | 3.5” | 13 | 5000-6000 | 2.00 | MAR-C014H-UB-00 |
| F50 | 4-Stroke | 1995~ | 3.5” | 13 | 5000-6000 | 1.85 | MAR-C014H-UB-00 |
| T50 | 4-Stroke | 1996~ | 4.25” | 15 | 5000-6000 | 2.33 | MAR-D500H-UB-00 |
| F60 | 4-Stroke | 1999~ | 3.5” | 13 | 5000-6000 | 1.85 | MAR-C014H-UB-00 |
| T60 | 4-Stroke | 1999~ | 4.25” | 15 | 5000-6000 | 2.33 | MAR-D500H-UB-00 |
| F70 | 4-Stroke | 2010~ | 4.25” | 15 | 5300-6300 | 2.33 | MAR-D500H-UB-00 |
| F75 | 4-Stroke | 2003~ | 4.25” | 15 | 5000-6000 | 2.31 | MAR-D500H-UB-00 |
| F80 | 4-Stroke | 1999-2002 | 4.25” | 15 | 5000-6000 | 2.31 | MAR-D500H-UB-00 |
| F90 | 4-Stroke | 1999~ | 4.25” | 15 | 5000-6000 | 2.00 | MAR-D500H-UB-00 |
| F100 | 4-Stroke | 1999-2002 | 4.25” | 15 | 5000-6000 | 2.31 | MAR-D500H-UB-00 |
| F115 | 4-Stroke | 2000~ | 4.25” | 15 | 5000-6000 | 2.15 | MAR-D505H-UB-00 |
| F150 | 4-Stroke | 2004~ | 4.75” | 15 | 5000-6000 | 2 | MAR-D505H-UB-00 |
| F200 | 4-Stroke | 2002~ | 4.75” | 15 | 5000-6000 | 2 | MAR-D505H-UB-00 |
| VF200 | V MAX® SHO® 4-Stroke | 2010~ | 4.75” | 15 | 5000-6000 | 1.75 | MAR-D505H-UB-00 |

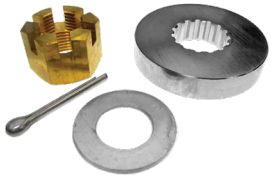
| Yamaha 4-Stroke Hub Applications Continued... | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Horsepower** | **Model Notes** | **Years** | **Gearcase Diameter** | **Splines** | **RPM Range** | **Gear Ratio** | **Hub Part Number** |
| F225 | 4-Stroke | 2002~ | 4.75” | 15 | 5000-6000 | 2 | MAR-D505H-UB-00 |
| VF225 | V MAX® SHO® 4 Stroke | 2010~ | 4.75” | 15 | 5000-6000 | 1.75 | MAR-D505H-UB-00 |
| F225 | 4 Stroke Offshore | 2010~ | 4.75” | 15 | 5000-6000 | 1.75 | MAR-D505H-UB-00 |
| F250 | 4-Stroke | 2002~ | 4.75” | 15 | 5000-6000 | 2.00 | MAR-D505H-UB-00 |
| F250 | 4 Stroke Offshore | 2010~ | 4.75” | 15 | 5000-6000 | 1.75 | MAR-D505H-UB-00 |
| VF250 | V MAX® SHO® 4 Stroke | 2010~ | 4.75” | 15 | 5000-6000 | 1.75 | MAR-D505H-UB-00 |
| F300 | 4 Stroke Offshore | 2010~ | 4.75” | 15 | 5000-6000 | 1.75 | MAR-D505H-UB-00 |

## Propeller Hardware Kits



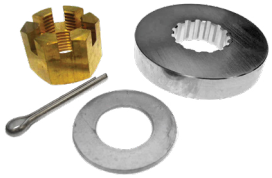
### *6G5-W4599-00-00*

| | |
|---|---|
| Castle Nut | 90171-18M04-00 |
| Cotter Pin | 91490-40030-00 |
| Rear Spacer | 688-45997-01-00 |
| Washer | 92990-18200-00 |



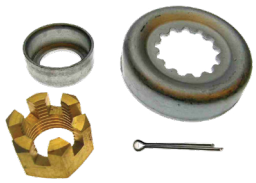
### *6H1-W4599-00-00*

| | |
|---|---|
| Castle Nut | 90171-16011-00 |
| Cotter Pin | 91490-30030-00 |
| Rear Spacer | 688-45997-01-00 |
| Washer | 90201-17M00-00 |



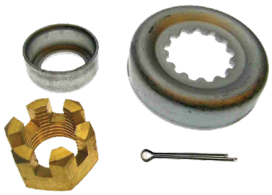
### *6H4-W4599-00-00*

| | |
|---|---|
| Castle Nut | 90171-16011-00 |
| Cotter Pin | 91490-30030-00 |
| Rear Spacer | 670-45997-02-00 |
| Washer | 92990-16200-00 |



### *66T-W4599-00-00*

| | |
|---|---|
| Bushing | 90389-22M01-00 |
| Rear Spacer | 66T-45997-00-00 |
| Cotter Pin | 91490-30030-00 |
| Castle Nut | 90171-16011-00 |



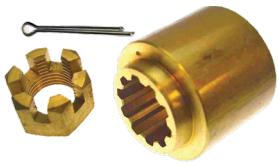
### *67F-W4599-00-00*

| | |
|---|---|
| Castle Nut | 90171-16011-00 |
| Bushing | 90389-25M00-00 |
| Rear Spacer | 67F-45997-00-00 |
| Cotter Pin | 91490-40030-00 |



### *647-W4599-00-00*

| | |
|---|---|
| Propeller Nut | 647-45616-02-00 |
| Cotter Pin | 91490-30030-00 |



### *689-W4599-00-00*

| | |
|---|---|
| Castle Nut | 90171-14013-00 |
| Rear Spacer | 689-45997-00-00 |
| Cotter Pin | 91490-30030-00 |
| Washer | 92990-14200-00 |

| 4-Stroke Propeller Hardware Kit Application | Kit Part Number |
|---|---|
| F25 | 689-W4599-00-00 |
| F30, F40 (00~), F40LA | 66T-W4599-00-00 |
| F40 (99) | 6H4-W4599-00-00 |
| F50 (01~) | 66T-W4599-00-00 |
| F50 (95~00) | 6H4-W4599-00-00 |
| T50 (96~00) | 6H1-W4599-00-00 |
| T50 (01~) | 67F-W4599-00-00 |
| F60 (03~) | 66T-W4599-00-00 |
| T60 (03~) | 67F-W4599-00-00 |
| F70 | 67F-W4599-00-00 |
| F75, F90 (03~) | 67F-W4599-00-00 |
| F80, F100 | 67F-W4599-00-00 |
| F115~F300(4.2L) | 6G5-W4599-00-00 |
| VF115~VF250 | 6G5-W4599-00-00 |

| 2-Stroke Propeller Hardware Kit Application | Kit Part Number |
|---|---|
| 4, 5 (84~91) | 647-W4599-00-00 |
| 20,25, C25, CV25, 30, C30, CV30 | 689-W4599-00-00 |
| 40 (84~01), P40, P50, Pro50 | 6H4-W4599-00-00 |
| C40, C50, C55, CV40, CV55, E48 | 6H4-W4599-00-00 |
| 50 | 6H4-W4599-00-00 |
| 60~90 (~03) | 6H1-W4599-00-00 |
| 60~90 (04~) | 67F-W4599-00-00 |
| C60~C90, E60, P60, E75, P75 | 6H1-W4599-00-00 |
| CV85, B90 | 6H1-W4599-00-00 |
| B115 | 6G5-W4599-00-00 |
| 115~250, C115, C150 | 6G5-W4599-00-00 |
| P115~P200, PX175 | 6G5-W4599-00-00 |
| S115~S250 | 6G5-W4599-00-00 |
| D150, DX150, ProV150 | 6G5-W4599-00-00 |
| SX150~SX250, V150~V225 | 6G5-W4599-00-00 |
| VX150~VX250 | 6G5-W4599-00-00 |
| VZ150~VZ300 | 6G5-W4599-00-00 |
| Z150~Z300 | 6G5-W4599-00-00 |

## Propeller Accessories

**Propeller Cover**
Constructed of 600D, solution-dyed polyester for durability and fade resistance.

***MAR-PROPB-AG-BK***



**“Old Style” SDS Spacers**
Required for installing a SDS propeller on engines with non SDS propellers installed or equipped with non a SDS spacer in the engine crate.

***V8: 6AW-45997-10-00***
***V6: 6CE-45997-00-00***
***F150: 6CE-45997-00-00***



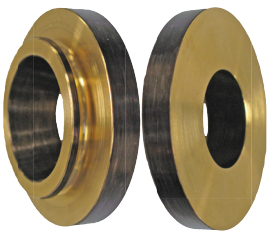
**“New Style” SDS Spacer**

***688-45997-01-00***



**Two Piece Thrust Washer:**
Used in place of a standard thrust washer on most VZ and VF engines.

***99999-03848-00***



*Specifically designed to be used with Yamaha VMAX SHO(R) & Turbo FXP series

| Description | Page |
|---|---|
| Maintenance Capacities Chart | 7-1 |
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| 4-Stroke Oil Filters | 7-6 |
| 2-Stroke Oil Strainers | 7-7 |
| In Line Fuel Filters | 7-8 |
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## Maintenance Capacities Chart

| Model | Production Year | Oil Change Capacity: | Oil Filter Part # | (NGK®) Spark Plug | 5W30 4M | 10W30 4M | 20W40 4M | Gear Case Capacity in Ounces |
|---|---|---|---|---|---|---|---|---|
| F2.5 | 2005~ | 10 US OZ. | N/A | BR6HS-10 | ✓ | ✓ | ✓ | 2.5 |
| F4 | 2005~ | 17 US OZ. | N/A | BR6HS-10 | ✓ | ✓ | ✓ | 3.5 |
| F4A / F6A | 2010~ | 20 US OZ | N/A | CR6HSB7 | ✓ | ✓ | ✓ | 4.0 |
| F6 / F8C / T8D | 2005~ | 27 US OZ. | N/A | BR6HS-10 | ✓ | ✓ | ✓ | F6 / F8 = 5.1<br>T8 = 12.5 |
| New F8 “S” | 2015~ | 27 US OZ | N/A | BR6HS-10 | ✓ | ✓ | ✓ | 5.1 |
| New F8 “L” | 2015~ | 27 US OZ | N/A | BR6HS-10 | ✓ | ✓ | ✓ | 5.1 |
| F9.9F / T9.9G | 2008~ | 27 US OZ. | N/A | BR6HS-10 | ✓ | ✓ | ✓ | F9.9F = 5.1<br>T9.9G = 12.5 |
| F15C / F20 | 2007~ | 1.9 US QT | 5GH-13440-80-00 | DPR6EA-9 | ✓ | ✓ | ✓ | 8.5 |
| F25A / T25A | 2009~ | 1.7 US QT | 5GH-13440-80-00 | DPR6EA-9 | ✓ | ✓ | ✓ | F25 = 11<br>T25 = 15 |
| F25 | 2017~ | 1.2 US QT | 5GH-13440-80-00 | DPR6EB-9 | ✓ | ✓ | ✓ | F25 = 11 |
| F40A | 2009~ | 1.8 US QT | 5GH-13440-80-00 | DPR6EB-9 | ✓ | ✓ | ✓ | 15 |
| F50 / T50 / F60 / T60 | 2005~ | 2.2 US QT | 5GH-13440-80-00 | DPR6EB-9 | ✓ | ✓ | ✓ | F50 / F60 = 14.5<br>T50 / T60 = 22.7 |
| F70LA | 2010~ | 2.2 US QT | 5GH-13440-80-00 | LKR7E | ✓ | ✓ | ✓ | 22.7 |
| F75 / F90 | 2005~ | 3.9 US QT | 5GH-13440-71-00 | LFR5A-11 | ✓ | ✓ | ✓ | 22.7 |
| F90B | 2016~ | 3.4 US QT | 5GH-13440-71-00 | LKR6E | ✓ | ✓ | ✓ | 26 |
| VF90 | 2017 | 3.4 US QT | 5GH-13440-71-00 | LKR6E | ✓ | ✓ | ✓ | 26 |
| F115 | 2000~ | 3.9 US QT | 5GH-13440-71-00 | LFR6A-11 | ✓ | ✓ | ✓ | RH Rotation = 25.7<br>LH Rotation = 24.2 |
| F115 | 2014~ | 3.38 US QT | 5GH-13440-71-00 | LKR6E | ✓ | ✓ | ✓ | RH Rotation = 25.7<br>LH Rotation = 24.2 |
| VF115 | 2015~ | 3.38 US QT | 5GH-13440-71-00 | LKR6E | ✓ | ✓ | ✓ | 25.7 |
| F150 | 2004~ | 4.7 US QT | 69J-13440-04-00 | LFR5A-11 | ✓ | ✓ | ✓ | RH Rotation = 33.1<br>LH Rotation = 29.4 |
| F150B | 2015~ | 4.8 US QT | 69J-13440-04-00 | LFR5A-11 | ✓ | ✓ | ✓ | RH Rotation = 33.1<br>LH Rotation = 29.4 |
| VF150 | 2013~ | 4.8 US QT | 69J-13440-04-00 | LFR6A-11 | ✓ | ✓ | ⊘ | 33.1 |
| F175 | 2014~ | 4.8 US QT | 69J-13440-04-00 | LFR6A-11 | ✓ | ✓ | ✓ | 33.2 |
| VF175 | 2015~ | 4.8 US QT | 69J-13440-04-00 | LFR6A-11 | ✓ | ✓ | ⊘ | 33.1 |

*This chart is provided for reference only, always refer to the proper service manual for the most accurate information.*

## Maintenance Capacities Chart

| Model | Production Year | Oil Change Capacity: | Oil Filter Part # | (NGK®) Spark Plug | 5W30 4M | 10W30 4M | 20W40 4M | Gear Case Capacity in Ounces |
|---|---|---|---|---|---|---|---|---|
| F200 (Inline 4 Cyl) | 2013~ | 4.7 US QT | 69J-13440-04-00 | LFR6A-11 | ✓ | ✓ | ✓ | RH Rotation = 33.2<br>LH Rotation = 33.2 |
| F200 / F225 (V6) | 2002~ | 5.0 US QT | 69J-13440-04-00 | LFR5A-11 | ✓ | ✓ | ✓ | RH Rotation = 38.9<br>LH Rotation = 33.8 |
| VF200 / VF225 / VF250 | 2010~ | 7.1 US QT | N26-13440-03-00 | LFR6A-11 | ✓ | ✓ | ⊘ | 36 |
| VF250XA | 2015~ | 7.1 US QT | N26-13440-03-00 | LFR6A-12 | ✓ | ✓ | ⊘ | 35.2 |
| F225CA / F250CA / F300CA | 2010~ | 6.7 US QT | N26-13440-03-00 | LFR6A-11 | ✓ | ✓ | ✓ | 35.2 |
| F225 Sport | 2008~ | 5.0 US QT | 69J-13440-04-00 | LFR6A-11 | ✓ | ✓ | ✓ | 31.1 |
| F250 (A & B) | 2005~ | 5.0 US QT | 69J-13440-04-00 | LFR6A-11 | ✓ | ✓ | ✓ | RH Rotation = 31.1<br>LH Rotation = 27.2 |
| F300 / F350 | 2008~ | 6.8 US QT | N26-13440-03-00 | LFR6A-11 | ✓ | ✓ | ✓ | RH Rotation = 51.4<br>LH Rotation = 44.3 |
| XF425 | 2018~ | 8.2 US QT | N26-13440-03-00 | ILMAR7E9 | ✓ | ✓ | ✓ | RH Rotation = 65.9<br>LH Rotation = 61.8 |
| XF450 | 2023~ | 8.2 US QT | N26-13440-03-00 | ILMAR7E9 | ✓ | ✓ | ✓ | RH Rotation = 65.9<br>LH Rotation = 61.8 |

## 4-Stroke Spark Plugs

| Four Stroke Model | NGK® Number | Gap (mm) | Gap (in) | Yamaha Part Number | Qty. |
|---|---|---|---|---|---|
| F2.5 / F4 | B6HS | 0.6 | 0.024 | BR6-HS000-00-00 | 10 |
| F4A / F6A | CR6HSB | 0.7 | 0.028 | CR6-HSB00-00-00 | 10 |
| F6 | BR6HS-10 | 1.0 | 0.04 | BR6-HS100-00-00 | 10 |
| F8 / T8 / New F8 | BR6HS-10 | 1.0 | 0.04 | BR6-HS100-00-00 | 10 |
| New F8 “L” | BR6HS-10 | 1.0 | 0.039 | BR6-HS100-00-00 | 10 |
| F9.9 / FT9.9 / T9.9 ( 85~03) cold climates | CR4HSA | 0.6 | 0.024 | CR4-HSA00-00-00 | 10 |
| F9.9 / FT9.9 / T9.9 ( 85~04) | CR6HS | 0.6 | 0.024 | CR6-HS000-00-00 | 10 |
| F9.9 / T9.9 / FT 9.9 (05~) | DPR6EA-9 | 0.8 | 0.032 | DPR-6EA90-00-00 | 10 |
| F9.9F / T9.9G | BR6HS-10 | 1.0 | 0.04 | BR6-HS100-00-00 | 10 |
| F15 | DPR6EA-9 | 0.8 | 0.032 | DPR-6EA90-00-00 | 10 |
| F20 / F15C | DPR6EB-9 | 0.9 | 0.036 | DPR-6EB90-00-00 | 10 |
| F25 (98~05) | DPR6EA-9 | 1.0 | 0.039 | DPR-6EA90-00-00 | 10 |
| T25 (06~) / F25 (06~) / F30 (01~05) | DPR6EA-9 | 0.9 | 0.036 | DPR-6EA90-00-00 | 10 |
| F25A/T25A | DPR6EB-9 | 0.9 | 0.036 | DPR-6EB90-00-00 | 10 |
| F25C | DPR6EB-9 | 0.9 | 0.036 | DPR-6EB90-00-00 | 10 |
| F40 | DPR6EA-9 | 0.9 | 0.036 | DPR-6EA90-00-00 | 10 |
| F40A | DPR6EB-9 | 0.9 | 0.036 | DPR-6EB90-00-00 | 10 |
| F50 / T50 (95~04) / F60 / T60 (~04) | DPR6EA-9 | 0.9 | 0.036 | DPR-6EA90-00-00 | 10 |
| F50 / T50 (05~) / F60 / T60 (05~) | DPR6EB-9 | 0.9 | 0.036 | DPR-6EB90-00-00 | 10 |
| F70A | LKR7E | 0.9 | 0.035 | LKR-7E000-00-00 | 10 |
| F75 / F80 / F90 / F100 | LFR5A-11 | 1.1 | 0.044 | LFR-5A110-00-00 | 10 |
| F90B | LKR6E | 0.9 | 0.035 | LKR6-E000-00-00 | 10 |
| VF90 | LKR6E | 0.9 | 0.035 | LKR6-E000-00-00 | 10 |
| F115 / LF115 | LFR6A-11 | 1.1 | 0.044 | LFR-6A110-00-00 | 10 |
| F115 | LKR6E | 0.9 | 0.035 | LKR-6E000-00-00 | 10 |
| VF115 | LKR6E | 0.9 | 0.035 | LKR-6E000-00-00 | 10 |
| F150 / F150B | LFR5A-11 | 1.0 | 0.039 | LFR-5A110-00-00 | 4 |
| VF150 / F175 / VF175 / F200 (inline) | LFR6A-11 | 1.1 | 0.043 | LFR-6A110-00-00 | 4 |
| F200 / F225 (V6) | LFR5A-11 | 1.0 | 0.04 | LFR-5A110-00-00 | 4 |

*Ordered individually with a minimum order quantity




NGK® Spark Plugs are used in all of the Yamaha Outboards you service throughout the year. Since 1936 NGK® has lead the industry in technology, innovation and world class design of its entire product line. You can depend on NGK® for quality and reliability.

## 4-Stroke Spark Plugs

| Four Stroke Model | NGK® Number | Gap (mm) | Gap (in) | Yamaha Part Number | Qty. |
|---|---|---|---|---|---|
| VF200 / VF225 / VF250 | LFR6A-11 | 1.1 | 0.043 | LFR-6A110-00-00 | 4 |
| New VF250"X" | LFR6A-11 | 1.1 | 0.043 | LFR-6A110-00-00 | 4 |
| F250 / LF250 / F250B / LF250B | LFR6A-11 | 1.1 | 0.044 | LFR-6A110-00-00 | 4 |
| 4.2L- F225 / LF225 / F250 / LF250 / F300 / LF300 | LFR6A-11 | 1.1 | 0.043 | LFR-6A110-00-00 | 4 |
| V8- F300 / LF300 / F350 / LF350 | LFR6A-11 | 1.1 | 0.044 | LFR-6A110-00-00 | 4 |
| XF425 | ILMARE9 | N/A | N/A | LMA-R7E90-00-00 | 4 |
| XF450 | ILMAR7H9 | N/A | N/A | 94702-00447-00 | 8 |

*Ordered individually with a minimum order quantity

NGK® Spark Plugs are used in all of the Yamaha Outboards you service throughout the year. Since 1936 NGK® has lead the industry in technology, innovation and world class design of its entire product line. You can depend on NGK® for quality and reliability.



## 2-Stroke Spark Plugs

| Two Stroke Model | NGK® Number | Gap (mm) | Gap (in) | Yamaha Part Number | Qty. |
|---|---|---|---|---|---|
| 2 | B5HS | 0.6 | 0.024 | Discontinued | |
| 3 | B6HS-10 | 0.9 | 0.036 | BR6-HS100-00-00 | 10 |
| 4, 5 | B7HS | 0.6 | 0.024 | BR7-HS100-00-00 | 10 |
| 6, 8 | B7HS-10 | 0.9 | 0.036 | BR7-HS100-00-00 | 10 |
| 9.9 / 15 / 20 / 25 | B7HS-10 | 1 | 0.04 | B7H-S0000-00-00 | 4 |
| C25 (90~97) / 30 (84~86) / C30 (89~92) | B7HS | 0.6 | 0.024 | B7H-S0000-00-00 | 4 |
| 30 (87~02) | B7HS-10 | 1 | 0.04 | BR7-HS100-00-00 | 10 |
| C30 (93~97) | B8HS-10 | 1 | 0.04 | B8H-S1000-00-00 | 4 |
| 40 (84 ~ 05) / C40 (97 ~ 02) | B7HS-10 | 1 | 0.04 | BR7-HS100-00-00 | 10 |
| C40 (89~97) | B8HS | 0.6 | 0.024 | BR8-HS000-00-00 | 4 |
| E48 (95~00) | B7HS | 1 | 0.04 | B7H-S0000-00-00 | 4 |
| 50 / P50 / C55 | B8HS-10 | 1 | 0.04 | B8H-S1000-00-00 | 4 |
| C50 | B8HS | 0.6 | 0.024 | BR8-HS000-00-00 | 4 |
| 60 / C60 / E60 / P60 / 70 / C70 / C75 / E75 / P75 | B8HS-10 | 1 | 0.04 | B8H-S1000-00-00 | 4 |
| C80, C85, 90, B90, C90 | B8HS-10 | 1 | 0.04 | B8H-S1000-00-000 | 4 |
| 115 / B115 / C115 / P115 / S115 | BR8HS-10 | 1 | 0.04 | BR8-HS100-00-00 | 4 |
| 130 / L130 / S130 | BR9HS-10 | 1 | 0.04 | BR9-HS100-00-00 | 10 |
| 150 (~87) / 150 / SX150 /LX150 (96~) / S150 (99~) | BR7HS-10 | 1 | 0.04 | BR7-HS100-00-00 | 10 |
| C150 (96), DX (99~) / P150(96~) / PX150, V150 (00~) | BR7HS-10 | 1 | 0.04 | BR7-HS100-00-00 | 10 |
| 150 / L150 (88~95) / C150 (97~) | BR8HS-10 | 1 | 0.04 | BR8-HS100-00-00 | 4 |
| D150 (97~99) / P150 (86~95) | BR8HS-10 | 1 | 0.04 | BR8-HS100-00-00 | 4 |
| VZ150 (~01) / Z150 / LZ150 (~01) | BKR6ES-11 | Note 2 | Note 2 | BKR-6ES11-00-00 | 4 |
| VZ150 (01~) / Z150 / LZ150 (01~) | BKR6E-KU | Note 2 | Note 2 | BKR-6EKU1-00-00 | 4 |
| 175 / S175 / V175 / P175 | BR8HS-10 | 1 | 0.04 | BR8-HS100-00-00 | 4 |
| VZ175 (01~) / Z175/LZ175 (01~) / Z200/LZ200 (01~) | BKR7E-KU | Note 2 | Note 2 | BKR-7EKU1-00-00 | 4 |
| VZ175 (01) / Z175 / LZ175 (01) / Z200 / LZ200 (~01) | BKR7ES-11 | Note 2 | Note 2 | BKR-7ES11-40-00 | 4 |
| 200 / S200 / SX200 / LX200 / V200 / VX200 / P200 (96 ~) | BR8HS-10 | 1 | 0.04 | BR8-HS100-00-00 | 4 |
| VZ200 (05~) VZ225 / VZ250 / VZ300 | BKR6E-KU | Note 3 | Note 3 | BKR-6EKU1-00-00 | 4 |
| 225 2.6L (~95) / L225/S225 3.L (97~) / LX225/SX225 | BR9HS-10 | 1 | 0.04 | BR9-HS100-00-00 | 10 |
| 225/L225 3.1L (~96) / S225 3.1L (96) / 225 2.6L (96~) | BR8HS-10 | 1 | 0.04 | BR8-HS100-00-00 | 4 |
| V225 / VX225 / P200 (91~95) | BR9HS-10 | 1 | 0.04 | BR9-HS100-00-00 | 10 |
| S250 / L250 (97~) / SX250 / LX250 / VX250 | BR9HS-10 | 1 | 0.04 | BR9-HS100-00-00 | 10 |
| 250/L250 (90~95) / S250 (96) B | BR8HS-10 | 1 | 0.04 | BR8-HS100-00-00 | 4 |
| LZ250 / Z250 / Z300 / LZ300 | BKR6E-KU | Note 3 | Note 3 | BKR-6EKU1-00-00 | 4 |
| V6 Excel | BR9HS-10 | 1 | 0.04 | BR9-HS100-00-00 | 10 |
| V6 Spec | BR8HS-10 | 1 | 0.04 | BR8-HS100-00-00 | 4 |

*Ordered individually with a minimum order quantity

*Note 1: All NGK® spark plugs for Yamaha Outboards are sold in 10 packs. (Ordering 10 spark plugs will be equal to one box)*
*Note 2: Refer to Technical Bulletin O2000-015A to ensure the correct spark plug and gap are used.*
*Note 3: Refer to Technical Bulletin O2003-016 to ensure the correct spark plug and gap are used.*

## 4-Stroke Oil Filters




**3FV-13440-30-00**

F25 / F15 (1998-1999)
F40 (1999-2000)
T50 (1996-1999)
F50 (1995-1999)
F80 / F100 (1999)




**5GH-13440-80-00**

F15C / F20
F25 (04/2009 ~)
F40A (2001~)
F50 / T50 (2005~)
F60 / T60 (2005~)
F70




**5GH-13440-71-00**

F15 (20000~2005)
F30 / F40 / F40B
F50 / T50 (1999-2004)
F60 / T60 (1999-2004)
F75 / F90 / F115
T25 / F25 (2000-04/2006)
T9.9 / F9.9 (2005 - 04/06)
F80 / F100 (2000~)
F90
VF90



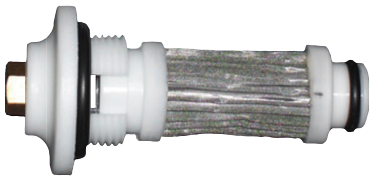

**69J-13440-04-00**

F150
VF150
F200 (Inline)
F200 / F225 (V6)
F250 / F250B




**N26-13440-03-00**

F225C / F250C / F300 (4.2L)
F300 / F350 (V8)
VF200 / VF225 / VF250 (4.2L)
XTO® 425 / 450



**6G8-13440-00-00**

F9.9 (1990 - 04/05)
T9.9 (1991 - 04/05)



**Oil Drain Screw Gasket**
Used on most Yamaha 4-Stroke Models.
***90430-14M09-00 Qty 1***
***6FM-WB008-00-00 Qty 50***



**Oil Drain Screw**
Used on most Yamaha 4-Stroke Models.
***90340-14M06-00***

**Why Yamaha Oil Filters?**
Customers come to your dealership for the service they trust. Why risk that on an aftermarket filtration element and cardboard filter ends? Yamaha oil filters are constructed with molded high quality media for long life and superior filtration.



## 2-Stroke Oil Strainers



**6E5-13411-00-00**

115 / 130 / 150 / 175 /200
B115 / D150 / DX150 / PX150
ProV150 / V6 EXCEL
P115 / P150 / P175 / P200
S115 / S130 / S150 / S175 / S200
SX150 / SX200
V150 / VX150 / V175
VZ150 / VZ175 / VZ200 (2.6L)
Z150 / Z175 / Z200



**6J8-13411-00-00**

20 / 25 / 30 (89~)
40 / 50 / 60 / 70 (89~)
C30 (89~)
P40 / P50 / P60 (89~)
Pro50



**61A-13411-00-00**

V200 / V225
VX200 / VX225 / VX250
VZ200 / VZ225 (3.3L)
VZ250 / VZ300 (3.3L)
S225 / SX225 / S250 / SX250
250 (90~95)
Z250 / Z300



**6H1-13411-00-00**

90 (89~)
C90 / B90 (89~)



**Electric Oil Pump Strainer**
Used on all HPDI engines between the engine oil tank and the electric oil pump.

***68F-13440-00-00***



**Remote Oil Tank Filter**
Remote oil tank filters are regularly missed during yearly service. Replacing the filter during the service can help prevent issues later down the road.

***646-24251-02-00***

## In Line Fuel Filters



**646-24251-02-00**

4 (97~99)

F4 (99~06/2008)

5 (97~01)

6 (86~00)

8

F9.9 (85~04/2005)

T9.9 (91~04/2005)



**60V-24251-01-00**

Z150 / Z175

Z200 / Z225

Z250 / Z300

VZ150 / VZ175 / VZ200

VZ225 / VZ250 / VZ300



**6C5-24251-01-00**

F40 (EFI)

F50 / F60 (05~)

T50 / T60 (05~)

F70

F75 / F90 (05~)

F90B

VF90



**68T-24251-01-00**

F4 / F6 (09/2009~)

F6 (01~04/2006)

F8 / T8 (01~)

F9.9 / T9.9G (04/2007~)



**65W-24251-10-00**

F30 (05~)

F40 (05~)



**67F-24251-02-00**

F80

F100



**67F-14371-01-00**

F80 (Carb Inlet)

F100 (Carb Inlet)



**6L5-24251-00-00**

F2.5 (03~)

3 (92~02)

F4 (99~06/2008)



**6AW-24502-11-00**

F300 (V8)

F350 (V8)



**68V-24502-30-00**

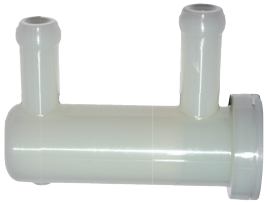
F115 (04/2010~)



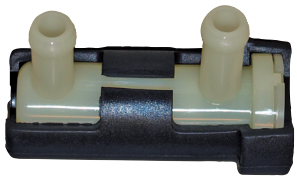
**68V-24502-03-00**

F115 (~03/2010)

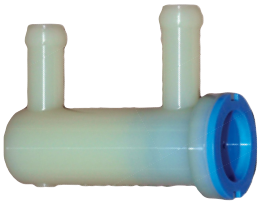
## In Line Fuel Filters



| 69J-24501-00-00 |
|---|
| F150 (~05) |
| F200 V6 (~05) |
| F225 (~05) |

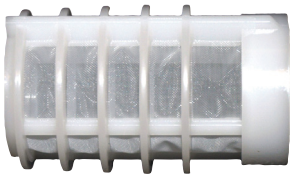


| 69J-24502-00-00 |
|---|
| F70 (05~) |
| F90 (05~) |
| F150 (05~) |
| F200 / F225 V6 (05~) |

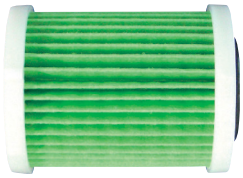


| 69J-24501-10-00 |
|---|
| F150 (04/2005~) |
| F200 / F225 V6 (04/2005~) |
| F250 / F250B |

## Primary Fuel Filters



| 61N-24563-10-00 |
|---|
| 9.9 / 15 / 20 / 25 / C25 (94~) |
| F9.9 / T9.9 (05~04/2006) |
| F15 / F20 / F25 / T25 (05~) |
| 30 / 40 / 50 / 70 / 90 (94~) |
| C30 / C40 / C50 / C55 / C70 (94~) |
| P40 / P50 / P60 / P75 (94~) |
| F40 (99) |
| E48 / E60 / E75 |
| F50 / T50 (95~04) |
| F60 / T60 (04~04/2005) |
| C75 / C80 / C85 / C90 (94~) |
| F75 (03~04) / F90 (03~04) |
| F80, / F100 / B90 / B115 |
| 115 / 130 / 150 / 175 (94~) |
| C115 (94~96) |
| P115 / P150 / P175 / P200 (94~) |
| S115 / S130 / S150 / S175 / S200 |
| D150 / V150 / V175 |

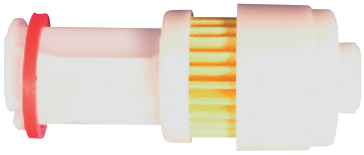


| 6P3-WS24A-02-00 |
|---|
| VZ150 / VZ175 (04/2006~) |
| Z200 / Z300 (04/2006~) |
| VZ200 / VZ225 (04/2006~) |
| VZ250 / VZ300 (04/2006~) |
| F150 / F200 / F225 (04/2006~) |
| F250 / F250B (04/2006~) |
| VF200 / VF225 / VF250 (4.2L) |
| F225C / F250C / F300C (4.2L) |
| F300 / F350 (V8) |
| XTO® 425 / 450 |



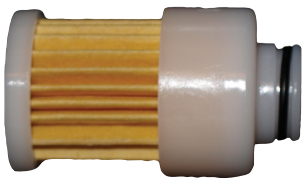
| 6F5-24563-00-00 |
|---|
| 9.9 / 15 (~93) |
| 25 / 30 / 40 / 50 / 70 / 90 (~93) |
| C25 / C30 / C40 / C55 / C85 (~93) |
| CV25 / CV30 |
| CV40 / CV50 /CV85 |
| P50 / P60 (~93) |
| PRO50 |
| 115 / 130 / 150 / 175 (~93) |
| 200 / 225 (~93) |
| C115 (~93) |
| P115 / P150 / P200 (~93) |
| ProV150 |
| V6 Special / V6 Excel |

## In Line Fuel Filters



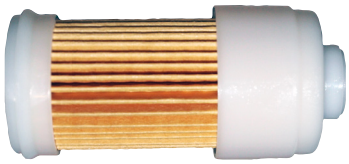
**65L-24563-00-00**

SX150 / SX200 / SX225, SX250
VX150 / DX150 / PX150
F150 / F200 / F225 (~04/2005)
V200 / V225
VX200 / VX225 / VX250
S225 / S250 (97~99)



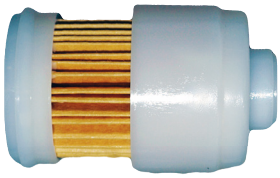
**68V-24563-00-00**

F50 / T50 (05~04/2006)
F60 / T60 (04/2005~)
F75 / F90 (05~04/2006)
F115 (~04/2006)



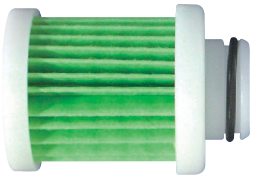
**68F-24563-10-00**

VZ150 / VZ175 (05~04/2005)
VZ200 (05~04/2005)
Z150 / Z175 (05~04/2005)
Z200 / Z250 (05~04/2005)
VZ225 / VZ250 (05~04/2005)
VZ300 / Z300 (04~04/2005)



**68F-24563-01-00**

VZ150 / VZ175 / VZ200 (~04)
Z150 / Z175 / Z200 / Z250 (~04)
VZ225 / VZ250 (~04)



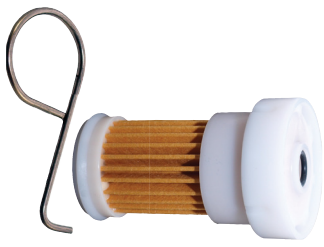
**6D8-WS24A-00-00**

F40A
F50/T50 / F60/T60 (04/2006~)
F70
F75 / F90 / F115 (04/2006~)
F90B
VF90



**61A-24563-02-00**

S225 / S250 (96)
C115 / C150 (97~)



**6P2-WS245-00-00**

F250 (2005~04/05)

## Remote Mounted Fuel Filters




**10-Micron Fuel/Water Separating Filter**
They are a primary line of defense against ethanol-related fuel system issues. Highly recommended for all two stroke and four stroke EFI outboards and two stroke HPDIs. Also excellent for carbureted engines. New, improved 10-micron filter provides superior filtration ahead of the engine's onboard filters and injectors. Large filtering and water capture areas maximize filtration while maintaining adequate flow rate for larger engines.

**Assemblies**

Assembly Stainless Steel Head ***MAR-10MAS-10-00***
Assembly Stainless Steel Head 3/8" Fittings ***MAR-10MAS-20-00***
Assembly Aluminum Head ***MAR-10MAS-00-00***

**Elements**

Spin-On Filter Only ***MAR-10MEL-00-00***
Bulk pack of 12 ***MAR-10MEL-00-BK***

**Filter Heads**

Aluminum Filter Head 12 Pack ***MAR-FLTHD-00-BK***
Stainless Steel Filter Head 12 Pack ***MAR-FLTHD-10-BK***
Stainless Steel Filter Head 3/8" Fittings 12 Pack ***MAR-FLTHD-20-BK***

**Mini-10™**

Assembly Aluminum Head ***MAR-M10AS-00-00***
Spin-On Filter only ***MAR-M10EL-00-00***

**Brass Plugs**

1/4" Brass Plug (fits all except 3/8") ***MAR-BRASP-LG-14***
3/8" Brass Plug ***MAR-BRASP-LG-38***




**Yamaha Remote Filter Elements and Bowls**
Replacement filter elements and filter bowls for boats rigged with a water sensor probe. Requires Yamaha Multifunction Fuel Management Gauge for water detection indication. Complete assembly not available.

**Elements**

60 GPH ***MAR-24563-00-00***
90 GPH ***MAR-10171-20-00***

**Filter Bowls**

Clear Bowl without water probe ***MAR-REPLB-OW-L1****
Clear bowl with water probe ***MAR-REPLB-OW-L2****
Replacement Water Probe ***MAR-10171-30-00***

*For above deck use only

## Vapor Separator Tank (VST) Fuel Filters



**66K-13915-00-00**

SX150 / SX200 / SX225 / SX250

DX150 / PX150

VX150 / VX200 / VX225 / VX250

S225 / S250 / V200 / V225 (99~)



**6CB-24501-00-00**

VF200 / VF225 / VF250 (4.2L)

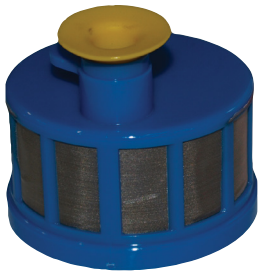
F200 (2.8L)

F225 / F250 / F300 (4.2L)



**6BG-13915-01-00**

F40 EFI



**65L-13915-00-00**

S225 / S250 (97~98)

V200 / V225 (97~98)



**68F-13915-00-00**

Z150 / Z175 / Z200

VZ150 / VZ175 / VZ200

VZ225 / VZ250 / VZ300

Z250 / Z300



**68V-13915-00-00**

F115

F200 / F225 (V6)



**6C5-13915-00-00**

F50/T50 / F60/T60

F70 / F75 / F90



**6FP-13915-00-00**

F75B (17)

F90B

VF90



**6CB-13915-00-00**

VF200 / VF225 / VF250 (4.2L)

F225 / F250 / F300 (4.2L)



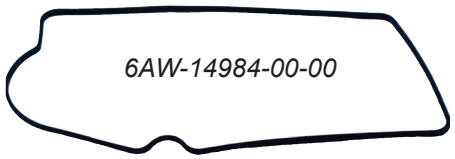
**63P-13915-00-00**

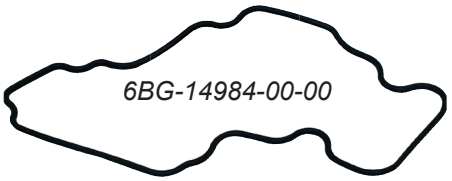
F150 / F200 (2.8L)

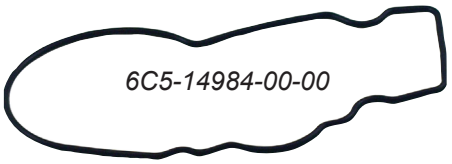
F225 Sport / F250 / F250B

F300 / F350 (V8)

## VST Gaskets

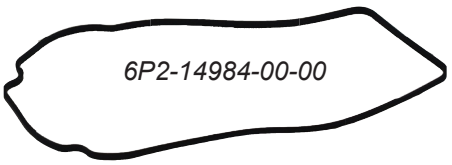


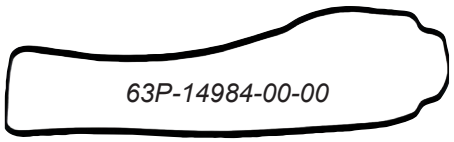



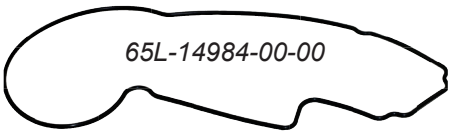



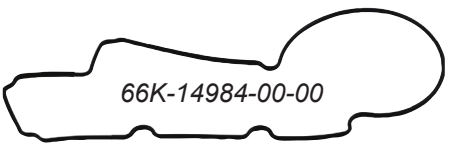


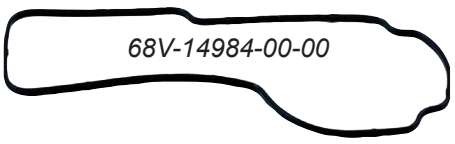




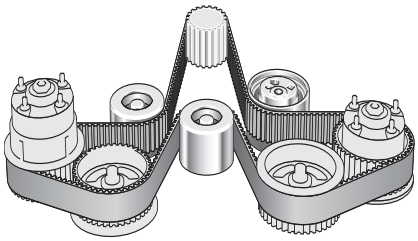




| Application | Part Number |
|---|---|
| F40 EFI | 6BG-14984-00-00 |
| F50/T50 / F60/T60 | 6C5-14984-00-00 |
| F70 | 6C5-14984-00-00 |
| F75 / F90 | 6C5-14984-00-00 |
| F115 | 68V-14984-00-00 |
| F90B | 6FP-14984-00-00 |
| VF90 | 6FP-14984-00-00 |
| F150 | 63P-14984-00-00 |
| SX150 /SX200 / SX225 / SX250 | 66K-14984-00-00 |
| DX150 / PX150 | 66K-14984-00-00 |
| VX150 / VX200 / VX225 / VX250 | 66K-14984-00-00 |
| Z150 / Z175 / Z200 / Z250 /Z300 | 66K-14984-00-00 |
| VZ150, VZ175, VZ200 | 66K-14984-00-00 |
| F175 | 6CB-14984-00-00 |
| V200 / V225 (97~98) | 65L-14984-00-00 |
| V200 / V25 (99~) | 66K-14984-00-00 |
| F200 / F225 (V6) | 68V-14984-00-00 |
| VZ225 / VZ250 / VZ300 | 66K-14984-00-00 |
| VF200 / VF225 / VF250 (4.2L) | 6CB-14984-00-00 |
| F225 / F250 / F300 (4.2L) | 6CB-14984-00-00 |
| S225 / S250 (97~98) | 65L-14984-00-00 |
| S225 / S250 (99~) | 66K-14984-00-00 |
| F225 Sport | 6P2-14984-00-00 |
| F250 / F250B | 6P2-14984-00-00 |
| F300 / F350 (V8) | 6AW-14984-00-00 |
| XTO® 425 / 450 | 6GR-24218-00-00 |

## Engine Timing Belts



| Application | Part Number |
|---|---|
| F6 (05~06/2008) | 68T-46241-00-00 |
| F6 / F8 / T8 (01~04) | 68T-46241-00-00 |
| F8 / T8 (05~) | 68T-46241-00-00 |
| F9.9 / FT9.9 (85~04/2005) | 6G8-46241-00-00 |
| T9.9 (91~04/2005) | 6G8-46241-00-00 |
| F9.9-2 / T9.9-2 (05~04/2006) | 66M-46241-00-00 |
| F9.9F / T9.9F (04/2007~) | 68T-46241-00-00 |
| F15 (98~04/2005) | 66M-46241-00-00 |
| F15C / F20 | 6AH-46241-00-00 |
| F25 / T25 (98~04/2006) | 65W-46241-00-00 |
| F25 / T25 (04/2009~) | 6C5-46241-00-00 |
| F30 | 65W-46241-00-00 |
| F40 (99) | 62Y-46241-00-00 |
| F40 (00~04/2008) | 65W-46241-00-00 |
| F40LA | 6C5-46241-00-00 |
| F50 / T60 (96~04) | 62Y-46241-00-00 |
| F60 / T60 (02~04) | 62Y-46241-00-00 |
| F50 / T50 / F60 / T60 / F70 (05~) | 6C5-46241-00-00 |
| F75 / F90 | 67F-46241-00-00 |
| F90B | 6FP-W4624-00-00 |
| VF90 | 6FP-W4624-00-00 |
| F80 / F100 | 67F-46241-00-00 |
| F115 | 67F-46241-00-00 |
| F115 | 6EK-W4624-00-00 |
| F150 | 63P-46241-00-00 |
| F200 / F225 | 69J-46241-00-00 |
| VF200 / VF225 / VF250 (4.2L) | 6CB-W4624-00-00 |
| F225 / F250 / F300 (4.2L) | 6CB-W4624-00-00 |
| F225 Sport / F250 / F250B | 6P2-46241-02-00 |
| F300 / F350 (V8) | 6AW-W4624-00-00 |
| 2.6L HPDI (04~) | 68F-46241-10-00 |
| 2.6L HPDI (~03) | 68F-46241-00-00 |
| 3.3L HPDI | 60V-46241-00-00 |
| XTO® 425 / 450 | 6GR-W4624-00-00 |

## Trim Tabs

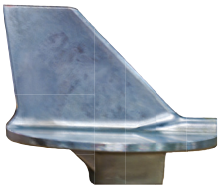
| 2-Stroke Application | Part Number |
|---|---|
| 20 / 25 / C25 / 30 / 40 / 50 | 664-45371-01-00 |
| CV25 / CV30 / C40 (97~) / C50 | 664-45371-01-00 |
| C40 (~96) / CV40 / E48 / C55 / CV55 | 679-45371-00-00 |
| P40 / P50 / PRO 50 | 664-45371-01-00 |
| 60 / 70 / 90 / E60 / P60 / E75 / P75 / B90 | 67F-45371-00-00 |
| C60 / C70 / C75 / C80 / C85 / CV85 / C90 | 67F-45371-00-00 |
| 60~130 High Performance Propeller | 6E5-45371-01-00 |
| C150 (96~99) / 150 / 175 / S175 / V175 | 6J9-45371-01-00 |
| P150 / PX150 / ProV150 / P175 | 6J9-45371-01-00 |
| S150 / SX150 / V150 / VX150 | 6J9-45371-01-00 |
| Z150 / Z175 / Z200 (2.6L) | 6J9-45371-01-00 |
| 200 / P200 / S200 / SX200 | 6J9-45371-01-00 |
| VZ200 / VZ225 / VZ250 / VZ300 (3.3L) | 69L-45371-00-00 |
| 225, / S225 / SX225 / 250 / S250v SX250 | 6CE-45373-00-00 |
| V200 / VX200 / V225 / VX225 | 6CE-45373-00-00 |
| Z250 / Z300 | 69L-45371-00-00 |
| L130 (~01) | 6L6-45371-00-00 |
| L225 / LX225 / L250 / LX250 (92~03) | 6CE-45373-00-00 |
| L150 / LX150, / L200 / LX200 (~01) | 6K1-45371-02-00 |
| LZ150 / LZ200 | 6K1-45371-02-00 |

| 4-Stroke Application | Part Number |
|---|---|
| F9.9G / F15 | 66M-45371-00-00 |
| F15C / F20 | 6AH-45371-A0-8D |
| F25 (98~) | 61N-45371-00-00 |
| T25 / F30 / F40 (00~) | 67C-45371-00-00 |
| F40 / F50 (95~00) | 664-45371-01-00 |
| F50 / F60 (01~) | 67C-45371-00-00 |
| T50 (96~00) | 67F-45371-00-00 |
| T50 (96~97) | 664-45371-01-00 |
| T50 / T60 (01~) | 67F-45371-00-00 |
| F70 / F75 / F80 / F90 / F100 | 67F-45371-00-00 |
| F90B / VF90 / F115 | 6E5-45371-01-00 |
| F150 | 6J9-45371-01-00 |
| F200 / F225 / F225 Sport / F250 / F250B | 6CE-45373-00-00 |
| VF200 / VF225 / VF250 | 6AW-45619-00-00 |
| F225 / F250 / F300 (4.2L) | 6CE-45373-00-00 |
| F300 / F350 (V8) | 6AW-45619-00-00 |
| LF115 | 6L6-45371-00-00 |
| LF150 | 6K1-45371-00-00 |
| Sterndrives | 6T5-45371-00-00 |


6AH-45371-A0-8D


66M-45371-00-00


61N-45371-00-00

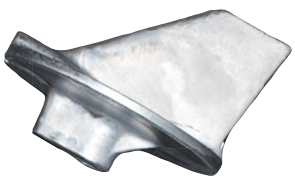

6L6-45371-00-00


679-45371-00-00


67C-45371-00-00


67F-45371-00-00


6K1-45371-02-00


6E5-45371-01-00


6AW-45619-00-00


69L-45371-00-00


6E5-45371-10-00


664-45371-01-00

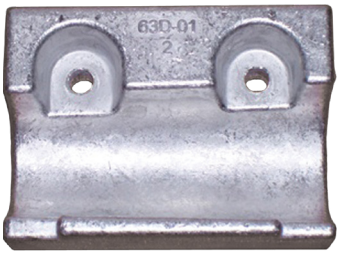

6CE-45373-00-00


67F-45371-00-00


6J9-45371-01-00













## Anodes

| 2-Stroke Application | Part Number |
|---|---|
| 6 (90~93) | 6GH-45251-00-00 |
| 9.9 / 15 (95~02) | 61N-45251-01-00 |
| C30 (93~97) | 61N-45251-01-00 |
| 40 / C40 / 50 | 63D-45251-01-00 |
| 40 / C40 / 50 (01~) | 65W-45251-00-00 |
| C55 (91~95) | 663-45251-00-00 |
| CV55 (88~89) | 663-45251-00-00 |
| 50 (00) | 663-45251-00-00 |
| C55 / C60 / C70 / C75 / C80 / C85 / C90 | 6H1-45251-03-00 |
| 60 / 70 / 90 (00~) | 6H1-45251-03-00 |
| E60 / E75 | 6H1-45251-03-00 |
| 2 Stroke V4 & V6 ALL | 6G5-45251-02-00 |

| 4-Stroke Application | Part Number |
|---|---|
| F6 (04/05~06/08) | 68T-45251-00-00 |
| T8 (01~) | 65W-45251-00-00 |
| F9.9 (98~) | 6E8-45251-02-00 |
| T9.9G | 65W-45251-00-00 |
| F15 (01~) | 65W-45251-00-00 |
| F15C / F20 | 65W-45251-00-00 |
| F25 / T25 (99~) | 65W-45251-00-00 |
| F30 / F40 (00~) | 65W-45251-00-00 |
| F50 / T50 / F60 / T60 (01~) | 65W-45251-00-00 |
| F70 | 65W-45251-00-00 |
| F75 / F80 / F90 / VF90 / F100 | 6H1-45251-03-00 |
| F115 / F150 / F200 / F225 | 6G5-45251-02-00 |
| VF200 / VF225 / VF250 | 65W-45251-00-00 |
| F225 Sport / F250 / F250B | 6G5-45251-02-00 |
| F225 / F250 / F300 (4.2L) | 6G5-45251-02-00 |
| F300 / F350 (V8) | 6AW-45251-00-00 |
| XTO® 425 / 450 | 6AW-45373-00-00 |

## Anode Kits

| Part Number | Part Description | Compatible Models |
|---|---|---|
| 90798-1M680-00 | ANODE KIT F300 | 4.2L Offshore Models (No Bracket Anode) |
| 90798-1M681-00 | ANODE KIT F200 | 2.8L F150, F175, F200 Models |
| 90798-1M682-00 | ANODE KIT F150 | 2.7L F150 Models |
| 90798-1M683-00 | ANODE KIT F115 | All F115 / VF115 VF115 Models |

## Thermostats





| 2-Stroke Application | Part Number |
|---|---|
| 3 / 4 / 5 / 6 / 8 | 6E5-12411-02-00 |
| 9.9 / 15 (~95) | 6F5-12411-03-00 |
| 9.9 / 15 (96~) | 6E5-12411-30-00 |
| 20 / 40 / 50, / C50 / P50 | 6E5-12411-30-00 |
| 25 Three Cylinder | 6E5-12411-30-00 |
| 25 Two Cylinder | 6E5-12411-30-00 |
| C25 | 6F5-12411-03-00 |
| 30 (~91) | 6E5-12411-30-00 |
| 30 (92~) | 6E5-12411-30-00 |
| C30 (~92) | 6F5-12411-03-00 |
| C30 (93~) | 6E5-12411-02-00 |
| 40 / 50 | 6E5-12411-30-00 |
| C40 / C55 (~97) | 6F5-12411-03-00 |
| C40 (98~) | 6E5-12411-30-00 |
| 60 / C60 / E60 / P60 / 70 / C70 | 6H3-12411-11-00 |
| C75 / P75 / E75 / C80 / C85 / 90 / C90 | 6E5-12411-30-00 |
| 115 /130 / 150 / 175 / 200 / 225 / 250 | 6E5-12411-30-00 |
| B115 / C115 / C150v D150 / DX150 | 6E5-12411-30-00 |
| P115 / P150 / PX150 / P200 | 6E5-12411-30-00 |
| S115 / S130 / SX150 / SX200 | 6E5-12411-30-00 |
| S225 / SX225v S250v SX250 | 6E5-12411-30-00 |
| V150 / VX150v V200v VX200 | 6E5-12411-30-00 |
| VX225 / VX250 | 6E5-12411-30-00 |
| VZ150 / VZ175 / VZ200 (2.6L) | 6E5-12411-30-00 |
| Z150 / Z175 / Z200 (2.6L) | 6E5-12411-30-00 |
| VZ200 / VZ225 / VZ250v VZ300 (3.3L) | 60V-12411-00-00 |
| Z250, Z300 (3.3L) | 60V-12411-00-00 |









| 4-Stroke Application | Part Number |
|---|---|
| F2.5 / F4 / F4A / F6 / F6A / F8 / T8 | 66M-12411-01-00 |
| F9.9 / T9.9 / F15 / F25 / T25 | 66M-12411-01-00 |
| F15C-F20 | 6AH-12411-00-00 |
| F30 / F40 / F40A / F50 / T50 | 66M-12411-01-00 |
| F60 / T60 / F70 | 66M-12411-01-00 |
| F75 / F90 | 67F-12411-01-00 |
| F90B | 6FP-12411-00-00 |
| VF90 | 6FP-12411-00-00 |
| F80 / F100 (~00) | 66M-12411-01-00 |
| F80 / F100 (01~) | 67F-12411-01-00 |
| F115 | 60V-12411-00-00 |
| F115B | 6EK-12411-00-00 |
| F150 / F200 / F225 / F250 / F250B | 67f-12411-01-00 |
| ~2010 VF200 / VF225 / VF250 (4.2L) | 67F-12411-01-00 |
| 2011~ VF200 / VF225 / VF250 | 6CB-12411-10-00 |
| F225 / F250 / F300 (4.2L) | 6CE-12411-00-00 |
| F300 / F350 (V8) | 6AW-12411-00-00 |
| XTO® 425 / 450 | 6GR-12411-00-00 |

## Thermostat Gaskets



| Application | Part Number |
|---|---|
| F2.5 (03~) | 67D-12414-A0-00 |
| F4 (99~) | 67D-12414-A0-00 |
| F4A, F6A | 67D-12414-A0-00 |
| F6 / F8 / T8 / F9.9 / FT9.9 / T9.9 | 6G8-12414-A0-00 |
| 9.9 / 15 | 682-12414-A1-00 |
| F9.9-2 / T9.9-2 | 62Y-12414-00-00 |
| F15 / F25 / T25 / F30 | 62Y-12414-00-00 |
| F15C / F20 | 6AH-12414-00-00 |
| 20 | 61A-12414-A0-00 |
| 25 / 30 / 40 | 61A-12414-A0-00 |
| C25 / CV25 / C30 / CV30 | 655-12414-A1-00 |
| C40 / CV40 (~97) | 6E9-12414-A1-00 |
| C40 / C50 (98~) | 61A-12414-A0-00 |
| P40 | 61A-12414-A0-00 |
| F40 / F50, / T50 / F60 / T60 / F70 | 62Y-12414-00-00 |
| C55 / E48 | 663-12414-A0-00 |
| C75 / E75 / P75 / C80 / C80 | 688-12414-A1-00 |
| C85 / CV85 / C90 | 688-12414-A1-00 |
| 90 / B90 / B115 | 688-12414-A1-00 |
| 115 / 130 / 150 / 175 / 200 | 688-12414-A1-00 |
| P115 / P150 / PX150v P175 / P200 | 688-12414-A1-00 |
| S115 / S130 / S150 / S175 / S200 | 688-12414-A1-00 |
| D150 / DX150 | 688-12414-A1-00 |
| F150 | 63P-12414-00-00 |
| SX150, SX200, V150, VX150, V175 | 688-12414-A1-00 |
| ProV150 | 688-12414-A1-00 |
| VZ150 / VZ175 / VZ200 (2.6L) | 688-12414-A1-00 |
| Z150 / Z175 / Z200 (2.6L) | 688-12414-A1-00 |
| V200 / V225 | 61A-12414-A0-00 |
| VX200 / VX225 / VX250 | 61A-12414-A0-00 |
| VZ200 / VZ225 / VZ250 / VZ300 (3.3L) | 60V-12414-A0-00 |
| Z250 / Z300 | 60V-12414-A0-00 |
| 225 (2.6L) | 688-12414-A1-00 |
| 225 / 250 / S225 / S250 / SX225 / SX250 | 61A-12414-A0-00 |

## 4-Stroke Carburetor Repair Kits

### F2.5
***69M-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 69M-14984-00-00 |
| 1 | Float | 69M-14385-00-00 |
| 1 | Pin, Float | 6A1-14386-00-00 |
| 1 | Screw, Pan Head | 98580-03006-00 |
| 1 | Valve, Needle | 62Y-14392-00-00 |
| 1 | Screw | 69M-14991-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 2 | Screw, Pan Head | 98580-04010-00 |
| 1 | O-Ring | 2T4-14397-01-00 |
| 1 | Gasket | 69M-14536-00-00 |
| 1 | Valve | 69M-24523-00-00 |
| 1 | O-Ring | 69M-24533-00-00 |
| 1 | Screw, Lever Fitting | 69M-24535-00-00 |

### F4 / F6 (09/2009~)
***6BX-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Float | 6BX-14985-00-00 |
| 1 | Gasket, Float Chamber | 6BX-14984-00-00 |
| 2 | Screw | 6BX-14592-00-00 |
| 2 | O-Ring | 67F-14398-10-000 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Valve, Needle | 6BX-14546-00-00 |
| 1 | Pin, Float Arm | 6BX-14548-00-00 |
| 1 | Clip | 6BX-14937-00-00 |

### F4 (03~06/2008)
***67D-W0093-01-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Float | 68T-14385-00-00 |
| 1 | Pin, Float | 67D-14386-00-00 |
| 1 | Valve, Needle | 67D-14546-00-00 |
| 1 | Gasket, Float Chamber | 67D-14984-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6J8-14995-00-00 |
| 2 | Screw, With Washer | 97980-04112-00 |
| 1 | Gasket | 67D-14536-00-00 |

### F4 (~-02)
***67D-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Float | 67D-14385-00-00 |
| 1 | Pin, Float | 67D-14386-00-00 |
| 1 | Valve, Needle | 67D-14546-00-00 |
| 1 | Gasket, Float | 67D-14984-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6J8-14995-00-00 |
| 2 | Screw, With Washer | 97980-04112-00 |
| 1 | Gasket | 67D-14536-00-00 |

### F6 (04/2007~06/2008)
### F8 / T8 / F9.9 / T9.9 (04/2007~)
***6AU-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 2 | Screw, With Washer | 97980-04112-00 |
| 1 | Float | 6AU-14385-00-00 |
| 1 | Pin, Float | 67D-14386-00-00 |
| 1 | Valve, Needle | 68T-14546-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 6AU-14984-00-00 |
| 1 | Gasket | 6J8-14995-00-00 |
| 1 | Gasket | 67D-14536-00-00 |

### F6 / F8 / T8 (~04/2006)
***68T-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Float | 68T-14385-00-00 |
| 1 | Pin, Float | 67D-14386-00-00 |
| 1 | Valve, Needle | 68T-14546-00-00 |
| 1 | Gasket, Float Chamber | 67D-14984-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6J8-14995-00-00 |
| 2 | Screw, With Washer | 97980-04112-00 |
| 1 | Gasket | 67D-14536-00-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 4-Stroke Carburetor Repair Kits

### FT9.9
***6G8-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6G8-14198-A0-00 |
| 1 | Gasket, Float Chamber | 6G8-14384-00-00 |
| 1 | Pin, Float | 647-14386-10-00 |
| 1 | Gasket | 654-14198-00-00 |
| 1 | Screw, Air Adjusting | 6G8-14323-00-00 |
| 1 | Valve, Needle | 6G8-14392-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Float | 6G8-14385-00-00 |
| 1 | Screw, Panhead | 98580-04016-00 |
| 1 | Washer, Spring | 92990-04100-00 |
| 2 | O-Ring | 1J2-14397-00-00 |
| 1 | O-Ring | 5H0-14397-00-00 |
| 1 | O-Ring | 5Y1-14397-00-00 |

### F9.9 / T9.9 (~04/2005)
***6G8-W0093-03-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6G8-14198-A0-00 |
| 1 | Gasket, Float Chamber | 6G8-14384-01-00 |
| 1 | Pin, Float | 647-14386-10-00 |
| 1 | Gasket | 654-14198-00-00 |
| 1 | Screw, Air Adjusting | 6G8-14323-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Valve, Needle | 6G8-14392-00-00 |
| 1 | Float | 6G8-14385-00-00 |
| 1 | Screw, Panhead (+) | 98580-04016-00 |
| 1 | Washer, Spring | 92990-04100-00 |
| 1 | O-Ring | 5Y1-14397-00-00 |

### F9.9-2 / T9.9-2<br>F15 (~04/2005)
***66M-W0093-01-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 66M-14398-00-00 |
| 1 | Gasket | 6L2-14398-00-00 |
| 1 | Stopper | 66M-14377-00-00 |
| 1 | Gasket, Float Chamber | 66M-14384-00-00 |
| 1 | Float | 6L2-14385-00-00 |
| 1 | Pin, Float | 6E5-14386-01-00 |
| 1 | Valve, Needle | 6L2-14392-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 62Y-14399-00-00 |
| 1 | Screw, Air Adjusting | 12V-14105-00-00 |
| 4 | Screw, With Washer | 97980-04112-00 |
| 1 | O-Ring | 5H0-14397-00-00 |
| 1 | O-Ring | 6F5-14397-00-00 |
| 1 | Filter | 66M-14827-00-00 |

### F15C / F20<br>(04/2006~04/2009)
**6AH-W0093-00-00**

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 65W-14126-10-00 |
| 1 | Valve, Needle | 6AH-14546-00-00 |
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |
| 1 | Cover, Plunger Cap | 65W-14373-01-00 |
| 1 | O-Ring | 67F-14398-10-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 6AH-14384-00-00 |
| 1 | Gasket | 6G1-14398-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | Float | 6AH-14985-00-00 |
| 1 | Clip | 633-14159-00-00 |

### F15C / F20 (04/2010~)
***6AH-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 65W-14126-10-00 |
| 1 | Valve, Needle | 6AH-14546-00-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |
| 1 | Cover, Plunger Cap | 65W-14373-02-00 |
| 1 | O-Ring | 67F-14398-10-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 6AH-14384-00-00 |
| 1 | Gasket | 6G1-14398-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | Float | 6AH-14985-00-00 |
| 1 | Clip | 633-14159-00-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 4-Stroke Carburetor Repair Kits

### F25 / T25 (~03)
***65W-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 65W-14126-00-00 |
| 1 | Valve, Needle | 6AH-14546-00-00 |
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |
| 1 | Cover, Plunger Cap | 65W-14373-01-00 |
| 1 | O-Ring | 65W-14147-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Spring, Plunger | 65W-14335-00-00 |
| 1 | Gasket, Float Chamber | 65W-14384-00-00 |
| 1 | Gasket | 6G1-14398-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | Float | 63V-14985-00-00 |
| 1 | Clip | 633-14159-00-00 |

### F25 / T25 (04/2009~)
***6BL-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 65W-14126-10-00 |
| 1 | Valve, Needle | 6AH-14546-00-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |
| 1 | Cover, Plunger Cap | 65W-14373-02-00 |
| 1 | O-Ring | 67F-14398-10-00 |
| 1 | Spring, Plunger | 65W-14335-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 65W-14384-00-00 |
| 1 | Gasket | 6G1-14398-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | Float | 63V-14985-00-00 |
| 1 | Clip | 633-14159-00-00 |

### F25 / T25(04~04/2006)<br>F30 / F40 / F40B (00~)
***65W-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 65W-14126-10-00 |
| 1 | Valve, Needle | 6AH-14546-00-00 |
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |
| 1 | Cover, Plunger Cap | 65W-14373-02-00 |
| 1 | O-Ring | 67F-14398-10-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Spring, Plunger | 65W-14335-00-00 |
| 1 | Gasket, Float Chamber | 65W-14384-00-00 |
| 1 | Gasket | 6G1-14398-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | Float | 63V-14985-00-00 |
| 1 | Clip | 633-14159-00-00 |

### F40 (99) / F50 (~00)
***62Y-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 6L2-14384-01-00 |
| 1 | Float | 6L2-14385-00-00 |
| 1 | Pin, Float | 6E5-14386-01-00 |
| 1 | Valve, Needle | 6L2-14392-00-00 |
| 1 | Gasket | 62Y-14399-00-00 |
| 1 | Plug | 62Y-14355-00-00 |
| 1 | Screw, Air Adjusting | 12V-14105-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 4 | Screw, With Washer | 97980-04112-00 |
| 1 | O-Ring | 5H0-14397-00-00 |
| 1 | Gasket | 62Y-14398-30-00 |
| 1 | O-Ring | 6F5-14397-00-00 |
| 4 | O-Ring | 93210-35M86-00 |
| 4 | O-Ring | 93210-35M86-00 |

### F50 (01~)
***62Y-W0093-11-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 62Y-14384-31-00 |
| 1 | Float | 6L2-14385-00-00 |
| 1 | Pin, Float | 6E5-14386-01-00 |
| 1 | Valve, Needle | 6L2-14392-00-00 |
| 8 | Screw, Throttle | 62Y-14321-00-00 |
| 1 | Gasket | 62Y-14399-31-00 |
| 1 | Plug | 62Y-14355-30-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Screw, Air Adjusting | 62Y-14323-30-00 |
| 1 | O-Ring | 2T4-14397-01-00 |
| 1 | O-Ring | 652-14397-00-00 |
| 1 | Gasket | 62Y-14398-30-00 |
| 4 | O-Ring | 93210-30MH4-00 |
| 4 | O-Ring | 93210-35M86-00 |
| 1 | Washer | 62Y-14227-01-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 4-Stroke Carburetor Repair Kits

### F60
***69W-W0093-10-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 69W-14384-00-00 |
| 1 | Float | 6L2-14385-00-00 |
| 1 | Pin, Float | 6E5-14386-01-00 |
| 1 | Valve, Needle | 6L2-14392-00-00 |
| 8 | Screw, Throttle | 62Y-14321-00-00 |
| 1 | Gasket | 69W-14399-00-00 |
| 1 | Screw, Air Adjusting | 69W-14323-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | O-Ring | 2T4-14397-01-00 |
| 1 | O-Ring | 652-14397-00-00 |
| 1 | Gasket | 62Y-14398-30-00 |
| 4 | O-Ring | 69W-14561-00-00 |
| 4 | O-Ring | 93210-35M86-00 |
| 4 | O-Ring | 93210-38MH3-00 |
| 4 | Washer | 62Y-14227-01-00 |

### F75 / F90
### F80/F100 (03~)
***67F-W0093-03-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | O-Ring | 67F-14147-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | O-Ring | 67F-14397-00-00 |
| 1 | Gasket, Float Chamber | 67F-14984-00-00 |
| 1 | O-Ring | 93210-04230-00 |
| 1 | Float | 6H4-14985-01-00 |
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Clip | 67F-14159-00-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Needle Valve Assy | 60C-14590-03-00 |
| 1 | O-Ring | 93210-04228-00 |
| 1 | O-Ring | 67F-14398-00-00 |
| 1 | O-Ring | 67F-14398-10-00 |
| 1 | O-Ring | 67F-14398-20-00 |
| 1 | Seal | 67F-14239-00-00 |
| 1 | Element, Filter | 67F-14371-01-00 |
| 2 | O-Ring | 93210-40M10-00 |
| 1 | O-Ring | 67F-14398-30-00 |

### F80 / F100 (~02)
***67F-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | O-Ring | 67F-14147-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | O-Ring | 67F-14397-00-00 |
| 1 | Gasket, Float Chamber | 67F-14984-00-00 |
| 1 | O-Ring | 93210-04230-00 |
| 1 | Float | 6H4-14985-01-00 |
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Clip | 633-14159-00-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Needle Valve Assy | 6H3-14590-02-00 |
| 1 | O-Ring | 93210-04228-00 |
| 1 | O-Ring | 67F-14398-00-00 |
| 2 | O-Ring | 67F-14398-10-00 |
| 1 | O-Ring | 67F-14398-20-00 |
| 1 | Seal | 67F-14239-00-00 |
| 1 | Element, Filter | 67F-14371-01-00 |
| 2 | O-Ring | 93210-40M10-00 |
| 1 | O-Ring | 67F-14398-30-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 2-Stroke Carburetor Repair Kits

### 2 (90~93)

Part List (not sold as a kit):

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 6A1-14384-00-00 |
| 1 | Float | 6A1-14385-00-00 |
| 1 | Pin, Float | 6A1-14386-00-00 |
| 2 | Screw, Panhead | 98580-04010-00 |
| 1 | Valve, Needle | 6A1-14392-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Screw, Pilot Adjusting | 646-14211-02-00 |
| 1 | Needle | 6A1-14116-10-00 |
| 1 | Clip | 646-14137-00-00 |
| 1 | O-Ring | 646-14229-01-00 |
| 1 | Gasket | 6A1-14398-00-00 |

### 2 (94~)

***6A1-W0093-03-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 6A1-14384-00-00 |
| 1 | Float | 6A1-14385-00-00 |
| 1 | Pin, Float | 6A1-14386-00-00 |
| 2 | Screw, With Washer | 97980-04110-00 |
| 1 | Valve, Needle | 6A1-14392-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Screw, Pilot Adjusting | 646-14211-02-00 |
| 1 | Needle | 6A1-14116-10-00 |
| 1 | Clip | 646-14137-00-00 |
| 1 | O-Ring | 646-14229-01-00 |
| 1 | Gasket | 646-14198-01-00 |

### 3 / 6 / 8 (90~96)

**6G1-W0093-00-00**

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Screw, Pilot | 679-14923-01-00 |
| 1 | Cap | 6G1-14966-00-00 |
| 1 | Gasket | 6G1-14126-00-00 |
| 1 | Cap | 679-14966-00-00 |
| 1 | O-Ring | 6G1-14984-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | Float | 6G1-14985-00-00 |
| 1 | Valve, Needle | 6G1-14546-00-00 |
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Pin, Float Arm | 688-14548-00-00 |

### 4 (90~94)

***6E0-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6E0-14198-A0-00 |
| 1 | Gasket, Float Chamber | 6E0-14384-00-00 |
| 1 | Screw, Panhead | 98580-04016-00 |
| 1 | Gasket | 6A1-14398-00-00 |
| 1 | Float | 6E7-14385-00-00 |
| 1 | Pin, Float | 647-14386-10-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Valve, Needle | 6G8-14392-10-00 |
| 1 | Gasket | 6E0-14227-00-00 |
| 1 | Screw, Air Adjusting | 647-14323-00-00 |
| 1 | Diaphragm | 6E0-24471-00-00 |
| 1 | Diaphragm | 6E0-24411-00-00 |

### 4 / 5 (95~96)

***6E0-W0093-03-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6E0-14198-A0-00 |
| 1 | Gasket, Float Chamber | 6E0-14384-00-00 |
| 1 | Screw, Panhead | 98580-04016-00 |
| 1 | Gasket | 6A1-14398-00-00 |
| 1 | Float | 6E7-14385-01-00 |
| 1 | Pin, Float | 647-14386-10-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Valve, Needle | 6F5-14392-00-00 |
| 1 | Gasket | 6E0-14227-00-00 |
| 1 | Screw, Air Adjusting | 647-14323-00-00 |
| 1 | Diaphragm | 6E0-24471-00-00 |
| 1 | Diaphragm | 6E0-24411-00-00 |

### 4 (97~)

***6E0-W0093-04-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6E0-14198-A0-00 |
| 1 | Gasket, Float Chamber | 6E0-14384-00-00 |
| 4 | Screw, With Washer | 98580-04016-00 |
| 1 | Gasket | 646-14198-01-00 |
| 1 | Float | 6E7-14385-01-00 |
| 1 | Pin, Float | 647-14386-10-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Valve, Needle | 6F5-14392-00-00 |
| 1 | Gasket | 6E0-14227-00-00 |
| 1 | Screw, Air Adjusting | 647-14323-00-00 |
| 1 | Diaphragm | 6E0-24471-00-00 |
| 1 | Diaphragm | 6E0-24411-00-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 2-Stroke Carburetor Repair Kits

### 6 / 8 (97~)
***6G1-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Screw, Pilot | 679-14923-01-00 |
| 1 | Cap | 6G1-14966-00-00 |
| 1 | Gasket | 6G1-14126-00-00 |
| 1 | Cap | 679-14966-00-00 |
| 1 | O-Ring | 6G1-14984-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | Float | 6G1-14985-00-00 |
| 1 | Valve, Needle | 6G1-14546-01-00 |
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Pin, Float Arm | 688-14548-00-00 |

### 9.9 (90~95)
### 15 (90~92)
***6E7-W0093-04-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 677-14198-A1-00 |
| 1 | Needle Valve Assy | 6E8-14390-12-00 |
| 1 | Gasket | 367-14195-00-00 |
| 1 | Float | 6E7-14385-00-00 |
| 1 | Pin, Float | 647-14386-10-00 |
| 1 | Gasket, Float Chamber | 677-14384-01-00 |
| 1 | Gasket | 1J2-14398-00-00 |
| 1 | Gasket | 655-14398-00-00 |
| 1 | Screw, Air Adjusting | 647-14323-00-00 |
| 1 | Gasket | 6E7-14227-00-00 |

### 9.9 / 15 (96~)
***63V-W0093-01-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Screw, Pilot | 679-14923-01-00 |
| 1 | Gasket | 63V-14126-00-00 |
| 1 | Gasket, Float Chamber | 63V-14984-00-00 |
| 4 | Screw, With Washer | 97980-04114-00 |
| 1 | Gasket | 6G1-14398-00-00 |
| 1 | Float | 63V-14985-00-00 |
| 1 | Valve, Needle | 6AH-14546-00-00 |
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Clip | 633-14159-00-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |

### 15 (93~95)

Part List (not sold as a kit):

| Qty | Description | Part # |
|---|---|---|
| 1 | Needle Valve Assy | 61J-14390-00-00 |
| 1 | Gasket | 367-14195-00-00 |
| 1 | Float | 6E7-14385-00-00 |
| 1 | Pin, Float | 647-14386-10-00 |
| 1 | Gasket, Float Chamber | 677-14384-01-00 |
| 1 | Gasket | 1J2-14398-00-00 |
| 1 | Gasket | 655-14398-00-00 |
| 1 | Screw, Air Adjusting | 647-14323-00-00 |
| 1 | Gasket | 6E7-14227-00-00 |

### 20 / 25 Two Cyl
***6L2-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 2 | Gasket | 6L2-14198-00-00 |
| 2 | Gasket, Float Chamber | 6L2-14384-01-00 |
| 2 | Float | 6L2-14385-00-00 |
| 2 | Pin, Float | 6E5-14386-01-00 |
| 2 | Valve, Needle | 6L2-14392-00-00 |
| 2 | Gasket | 6L2-14399-01-00 |
| 2 | Screw, With Washer | 97980-04112-00 |
| 2 | Gasket | 6L2-14398-00-00 |

### 25 (84~87)
### C25 (91~97) / CV25 (90)
### 30 (84~86) / C30 (91~92)
### CV30 (89~90)
***689-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 648-14198-A0-00 |
| 1 | Gasket, Float Chamber | 648-14384-01-00 |
| 1 | Float | 648-14385-00-00 |
| 4 | Screw, With Washer | 98517-04012-00 |
| 1 | Washer,Spring | 92990-04100-00 |
| 1 | Needle Valve Assy | 61K-14390-00-00 |
| 1 | Screw, Air Adjusting | 647-14323-00-00 |
| 2 | Bush | 90386-05002-00 |
| 1 | O-Ring | 646-14397-00-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 2-Stroke Carburetor Repair Kits

### 25 Three cyl (97~02)
### 30 / C30 Three cyl (95)
***6J8-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 3 | Gasket | 6J8-14198-00-00 |
| 3 | Gasket, Float Chamber | 6J8-14984-00-00 |
| 3 | Gasket | 6J8-14995-00-00 |
| 3 | Float | 6J8-14985-00-00 |
| 3 | Valve, Needle | 6E5-14546-00-00 |
| 3 | Clip | 6J8-14159-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 3 | Pin, Float Arm | 6J8-14548-00-00 |
| 3 | Plug | 6J8-14966-00-00 |
| 3 | Plug | 6J8-14126-00-00 |
| 3 | Plug | 6J8-14118-00-00 |
| 3 | Screw, With Washer | 97980-04112-00 |

### C30 two cyl (94~96)
***61N-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Valve, Needle | 62Y-14392-00-00 |
| 1 | Pin, Float | 6E5-14386-01-00 |
| 1 | Float | 6L2-14385-00-00 |
| 1 | Gasket | 6L2-14399-01-00 |
| 1 | Plug | 50M-14355-01-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6L2-14398-00-00 |
| 1 | Gasket, Float Chamber | 6L2-14384-01-00 |
| 1 | Gasket | 61N-14198-01-00 |
| 1 | O-Ring | 93210-40659-00 |

### CV40 / CV40
### Two Cyl (91~93)
***6E9-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6E9-14198-A0-00 |
| 2 | Screw, With Washer | 97980-04114-00 |
| 2 | Needle Valve Assy | 6H3-14590-02-00 |
| 2 | Gasket, Float Chamber | 676-14984-00-00 |
| 2 | Pin, Float Arm | 688-14548-00-00 |
| 2 | Pin, Float | 676-14186-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 2 | Clip | 633-14159-00-00 |
| 2 | Float | 676-14985-01-00 |
| 2 | Screw, Pilot | 692-14923-00-00 |
| 2 | O-Ring | 93210-04228-00 |
| 2 | O-Ring | 93210-04230-00 |
| 4 | Gasket | 688-14126-00-00 |

### C40 two Cyl (94~97)
***6E9-W0093-03-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6E9-14198-A0-00 |
| 2 | Screw, With Washer | 97980-04114-00 |
| 2 | Needle Valve Assy | 6H3-14590-02-00 |
| 2 | Gasket, Float Chamber | 676-14984-00-00 |
| 2 | Pin, Float Arm | 688-14548-00-00 |
| 2 | Pin, Float | 676-14186-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 2 | Clip | 633-14159-00-00 |
| 2 | Float | 676-14985-01-00 |
| 2 | Screw, Pilot | 692-14923-00-00 |
| 2 | O-Ring | 93210-04228-00 |
| 2 | O-Ring | 93210-04230-00 |
| 4 | Gasket | 688-14126-00-00 |

### 40 / 50 / PRO50 (~88)
***6H4-W0093-01-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6H4-14198-09-00 |
| 3 | Cap | 679-14966-00-00 |
| 3 | Needle Valve Assy | 6H3-14590-02-00 |
| 3 | Clip | 633-14159-00-00 |
| 3 | Pin, Float | 676-14186-00-00 |
| 3 | Float | 6G1-14985-00-00 |
| 3 | Pin, Float Arm | 688-14548-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 3 | O-Ring | 6G1-14984-00-00 |
| 3 | Screw, With Washer | 97980-04114-00 |
| 3 | O-Ring | 93210-04230-00 |
| 3 | Gasket | 663-14126-00-00 |
| 3 | Gasket | 688-14126-00-00 |
| 3 | Screw, Pilot | 692-14923-00-00 |
| 3 | O-Ring | 93210-15M52-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 2-Stroke Carburetor Repair Kits

### 40 / 50 / C50<br>Pro50 (89~)<br>P40 / P50 / PR50<br>C40 Three Cyl

***6H4-W0093-04-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 3 | Gasket | 6H4-14198-01-00 |
| 3 | Cap | 679-14966-00-00 |
| 3 | Needle Valve Assy | 6H4-14590-02-00 |
| 3 | Clip | 633-14159-00-00 |
| 3 | Pin, Float | 676-14186-00-00 |
| 3 | Float | 6H4-14985-01-00 |

| Qty | Description | Part # |
|---|---|---|
| 3 | Pin, Float Arm | 6H4-14548-00-00 |
| 3 | Gasket, Float Chamber | 6H4-14984-00-00 |
| 3 | Screw, With Washer | 97980-04114-00 |
| 3 | O-Ring | 93210-04230-00 |
| 3 | O-Ring | 6H4-14147-00-00 |
| 3 | Screw, Pilot | 692-14923-00-00 |

### E48 / C55 / CV55

***696-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 663-14483-A0-00 |
| 2 | Gasket | 663-14198-A0-00 |
| 2 | Washer | 679-14557-00-00 |
| 2 | Screw, Pilot | 663-14923-00-00 |
| 2 | Needle Valve Assy | 696-14590-01-00 |
| 2 | O-Ring | 93210-07229-00 |

| Qty | Description | Part # |
|---|---|---|
| 2 | Pin, Float | 676-14186-00-00 |
| 2 | Float | 6F0-14985-00-00 |
| 2 | Pin, Float Arm | 663-14548-00-00 |
| 2 | O-Ring | 93210-64272-00 |
| 2 | O-Ring | 93210-04230-00 |
| 2 | Screw w/ Washer | 97980-04112-00 |

### 60 (01~04/2005)<br>P60 (92~99)<br>70 (92~04/2009)<br>C70 (00~01)

***6H2-W0093-11-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | O-Ring | 6H4-14147-00-00 |
| 1 | O-Ring | 93210-04228-00 |
| 1 | Needle Valve Assy | 6H3-14590-02-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |
| 1 | Clip | 633-14159-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Cap | 679-14966-00-00 |
| 1 | Gasket, Float Chamber | 6H4-14984-00-00 |
| 1 | O-Ring | 93210-04230-00 |
| 1 | O-Ring | 93210-39ME4-00 |

### P60 (91) / C60 / E60<br>70 (90~91)

***6H3-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6H3-14198-A1-00 |
| 3 | Cap | 679-14966-00-00 |
| 3 | Needle Valve Assy | 6H3-14590-02-00 |
| 3 | Clip | 633-14159-00-00 |
| 3 | Pin, Float | 676-14186-00-00 |
| 3 | Float | 6G1-14985-00-00 |
| 3 | Pin, Float Arm | 688-14548-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 3 | O-Ring | 6G1-14984-00-00 |
| 3 | Screw, With Washer | 97980-04114-00 |
| 3 | O-Ring | 93210-04230-00 |
| 3 | Gasket | 663-14126-00-00 |
| 3 | Gasket | 688-14126-00-00 |
| 3 | Screw, Pilot | 692-14923-00-00 |
| 3 | O-Ring | 93210-15M52-00 |

### P75 / 90 / C90 (92~)

***6H1-W0093-11-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | O-Ring | 6H4-14147-00-00 |
| 1 | O-Ring | 93210-04228-00 |
| 1 | Needle Valve Assy | 692-14590-02-00 |
| 1 | Pin, Float Arm | 6H4-14548-00-00 |
| 1 | Clip | 633-14159-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Pin, Float | 676-14186-00-00 |
| 1 | Cap | 679-14966-00-00 |
| 1 | Gasket, Float Chamber | 6H4-14984-00-00 |
| 1 | O-Ring | 93210-04230-00 |
| 1 | O-Ring | 93210-39ME4-00 |

### C75 / C80 (98~99)

***6H0-W0093-01-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | O-Ring | 93210-04228-00 |
| 1 | Needle Valve Assy | 692-14590-02-00 |
| 1 | Clip | 633-14159-00-00 |
| 1 | Pin, Float | 676-14186-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Pin, Float Arm | 688-14548-00-00 |
| 1 | Gasket, Float Chamber | 676-14984-00-00 |
| 1 | Cap | 679-14966-00-00 |
| 1 | O-Ring | 93210-04230-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 2-Stroke Carburetor Repair Kits

**C75 / C85 / CV85**
**E75 (94~96)**
**90 (90~91) / B90**

***6H1-W0093-01-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 3 | Gasket | 688-14198-A2-00 |
| 3 | O-Ring | 93210-04228-00 |
| 3 | Needle Valve Assy | 692-14590-02-00 |
| 3 | Pin, Float | 676-14186-00-00 |
| 3 | Float | 676-14985-01-00 |
| 3 | Pin, Float Arm | 688-14548-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 3 | Gasket, Float Chamber | 676-14984-00-00 |
| 3 | Screw, With Washer | 97980-04114-00 |
| 3 | O-Ring | 93210-04230-00 |
| 3 | Gasket | 663-14126-00-00 |
| 3 | Screw, Pilot | 692-14923-00-00 |

**115 / B115 / C115**
**130 (96~) / S115**
**S130**

***6E5-W0093-09-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 2 | Clip | 6E5-14159-00-00 |
| 1 | Gasket | 6E5-14198-A2-00 |
| 2 | Valve, Needle | 6E5-14546-00-00 |
| 2 | Pin, Float | 6E5-14386-02-00 |
| 2 | Valve, Drain | 64D-14394-00-00 |
| 1 | Gasket, Float Chamber | 64D-14384-01-00 |

| Qty | Description | Part # |
|---|---|---|
| 2 | Gasket | 6E5-14398-01-00 |
| 2 | Plug | 6E5-14328-01-00 |
| 2 | Gasket | 6E5-14979-00-00 |
| 1 | Gasket | 6J8-14995-00-00 |
| 2 | Gasket | 61U-14959-00-00 |

**115 / 130 (90~91)**

***6N6-W0093-02-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6K7-14483-00-00 |
| 2 | Gasket | 6E5-14198-A2-00 |
| 4 | Valve, Needle | 6E5-14546-00-00 |
| 4 | Pin, Float | 6E5-14386-02-00 |
| 4 | Float | 6E5-14385-02-00 |
| 2 | Gasket, Float Chamber | 6E5-14384-03-00 |
| 4 | O-Ring | 6E5-14997-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 4 | Gasket | 6E5-14398-01-00 |
| 2 | Screw, Panhead | 97885-05016-00 |
| 2 | Washer, Spring | 92990-05100-00 |
| 4 | Screw, Air Adjusting | 6E5-14323-03-00 |
| 4 | Gasket | 6E5-14979-00-00 |
| 4 | Gasket | 6J8-14995-00-00 |
| 2 | Gasket | 6E5-14959-01-00 |

**115 (86~95) / C115 (92~95)**
**130 (92~95) / 150 (86~95)**
**175 (86~95) / 200 (86~95)**
**225 2.6L (92~95)**
**P115 (93~96)**
**P150 (92~95) / P175**
**P200 (92~95)**
**PROV150 (87)**
**V6 Special (86)**

***6E5-W0093-06-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6E5-14198-A2-00 |
| 2 | Valve, Needle | 6E5-14546-00-00 |
| 2 | Pin, Float | 6E5-14386-02-00 |
| 1 | Gasket, Float Chamber | 6E5-14384-03-00 |
| 2 | Gasket | 6E5-14398-01-00 |
| 2 | Gasket | 6E5-14979-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 2 | Gasket | 6J8-14995-00-00 |
| 1 | Gasket | 6E5-14959-01-00 |
| 2 | Clip | 6E5-14159-00-00 |
| 2 | O-Ring | 6E5-14997-00-00 |
| 2 | Plug | 6E5-14328-01-00 |

**150 (88~89)**
**L150 (86~87)**
**175 (88~89)**
**200 (88~89)**
**L200 (86~87, 89)**
**PROV150 (88~89)**

***6E5-W0093-06-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6G5-14483-A1-00 |
| 1 | Gasket | 6E5-14198-A2-00 |
| 6 | Valve, Needle | 6E5-14546-00-00 |
| 6 | Pin, Float | 6E5-14386-02-00 |
| 6 | Float | 6E5-14385-02-00 |
| 3 | Gasket, Float Chamber | 6E5-14384-03-00 |
| 6 | O-Ring | 6E5-14997-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 6 | Gasket | 6E5-14398-01-0 |
| 3 | Screw, Panhead | 97885-05016-00 |
| 3 | Washer, Spring | 92990-05100-00 |
| 6 | Screw, Air Adjusting | 6E5-14323-03-00 |
| 6 | Gasket | 6E5-14979-00-00 |
| 6 | Gasket | 6J8-14995-00-00 |
| 3 | Gasket | 6E5-14959-01-00 |

*Each carburetor kit will rebuild all carburetors on one motor.

## 2-Stroke Carburetor Repair Kits

**150 / 175 / 200**
**225 (90~91) / P150**
**P175 (90~91)**
**P200 (90~91)**
**ProV150**

***6K7-W0093-08-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket | 6K7-14483-00-00 |
| 1 | Gasket | 6E5-14198-A2-00 |
| 6 | Valve, Needle | 6E5-14546-00-00 |
| 6 | Pin, Float | 6E5-14386-02-00 |
| 6 | Float | 6E5-14385-02-00 |
| 3 | Gasket, Float Chamber | 6E5-14384-03-00 |
| 6 | O-Ring | 6E5-14997-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 6 | Gasket | 6E5-14398-01-00 |
| 3 | Screw, With Washer | 97885-05016-00 |
| 3 | Washer, Spring | 92990-05100-00 |
| 6 | Screw, Air Adjusting | 6E5-14323-03-00 |
| 6 | Gasket | 6E5-14979-00-00 |
| 6 | Gasket | 6J8-14995-00-00 |
| 3 | Gasket | 6E5-14959-01-00 |

**150 / V150 / 175**
**200 (96~01)**
**225 2.6L (96~)**
**P150 / P175**
**P200 (96~99) / S150**
**C150 / S175 / S200**

***64D-W0093-00-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 64D-14384-01-00 |
| 2 | Valve, Needle | 6E5-14546-00-00 |
| 2 | Clip | 6E5-14159-00-00 |
| 2 | Pin, Float | 6E5-14386-02-00 |
| 2 | Gasket | 61U-14959-00-00 |
| 2 | Valve, Drain | 64D-14394-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 2 | Gasket | 6E5-14398-01-00 |
| 2 | Plug | 6E5-14328-01-00 |
| 2 | Gasket | 6E5-14979-00-00 |
| 1 | Gasket | 6J8-14995-00-00 |
| 1 | Gasket | 6E5-14198-A2-00 |

**150 / V150 (02~)**

***64D-W0093-01-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 64D-14384-01-00 |
| 2 | Valve, Needle | 6E5-14546-00-00 |
| 2 | Clip | 6E5-14159-00-00 |
| 2 | Pin, Float | 6E5-14386-02-00 |
| 2 | Gasket | 61U-14959-00-00 |
| 2 | Valve, Drain | 64D-14394-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 2 | Gasket | 6E5-14398-01-00 |
| 2 | Plug | 6E5-14328-01-00 |
| 2 | Gasket | 6E5-14979-00-00 |
| 1 | Gasket | 6J8-14995-00-00 |
| 1 | Gasket | 6E5-14198-A2-00 |

**225 / 250 3.1L (90~96)**
**S225 / S250**

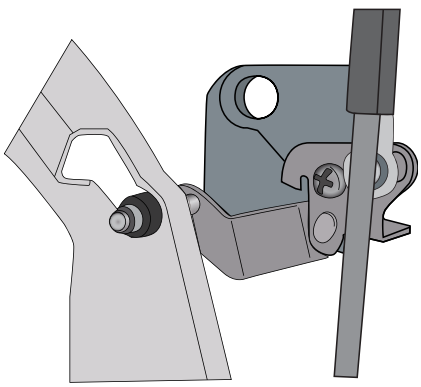
***61A-W0093-01-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Clip | 6E5-14159-01-00 |
| 1 | O-Ring | 93210-50MA8-00 |
| 1 | Gasket | 61A-14198-00-00 |
| 1 | Valve, Needle | 6E5-14546-00-00 |
| 1 | Pin, Float | 61A-14386-00-00 |
| 1 | Valve, Drain | 61A-14394-00-00 |

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Float Chamber | 61A-14384-00-00 |
| 1 | Screw, Air Adjusting | 6E5-14323-03-00 |
| 1 | Gasket | 61A-14995-00-00 |
| 1 | Gasket | 61A-14959-00-00 |
| 1 | O-Ring | 61A-14561-00-00 |

*Each carburetor kit will rebuild all carburetors on one motor.



**Cam Roller**
Cam rollers can wear over time. Stocking a few will help ensure your customers get the quick service they need. Used on most two strokes from 9.9 HP up.

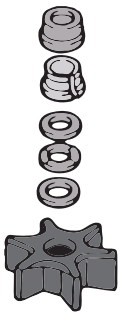
***682-41291-00-00***

## Water Pump Housings

| 4 Stroke Application | Part Number |
|---|---|
| F2.5 | 69M-G4311-00-00 |
| F4 (~06/2008) | 68D-G4311-01-00 |
| F4 (09/2009~) | 6BX-44311-00-00 |
| F8 / T8 (01~) F6 (~06/2008) | 63V-44301-00-00 |
| F9.9 / T9.9 (~04) | 682-44300-02-00 |
| F9.9 / T9.9 (05~) | 63V-44301-00-00 |
| F15 (98~) | 63V-44301-00-00 |
| F15C / F20 | 6AH-44311-00-00 |
| F25 | 61N-44311-01-00 |
| T25 / F30 / F40 (00~) | 66T-44311-00-00 |
| F40 (99) | 63D-44311-00-00 |
| F50 / F60 | 63D-44311-00-00 |
| T50 / T60 | 6H3-44311-00-00 |
| F70 | 6CJ-44311-00-00 |
| F75 / F80 / F90 / F100 | 67F-44311-01-00 |
| F90B / VF90 / F115 / F115B / F150 / F200 / F225 | 61A-44311-01-00 |
| VF200 / VF225 / VF250 | 61A-44311-01-00 |
| F225 / F250 / F300 (4.2L) | 6CE-44311-01-00 |
| F250 / F250B | 61A-44311-01-00 |
| F300 / F350 (V8) | 6AW-44311-01-00 |
| XTO® 425/ 450 | 6GR-44311-00-00 |

| Jet Drive Application | Part Number |
|---|---|
| F40 | 67C-44311-10-00 |
| F50/F60 | 62Y-44311-10-00 |
| F75 / F80 / F90 / F100 | 67F-44311-11-00 |
| F115 (Requires both part numbers) | 61A-44311-01-00<br>6E5-44322-00-00 |

| 2 Stroke Application | Part Number |
|---|---|
| 2 | 99999-02129-00 |
| 3 | 6L5-44311-00-00 |
| 4 / 5 | 6E0-44311-00-00 |
| 6 / 8 | 6GH-44311-00-00 |
| 9.9 / 15 (96) | 63V-44301-00-00 |
| 9.9 / 15 (~95) | 682-44300-01-00 |
| 20 / 25 Two Cyl | 6L2-44311-01-00 |
| 25 / 30 Three Cyl | 6J8-44311-00-00 |
| C25 | 689-44311-03-00 |
| C30 (93~97) | 61N-44311-01-00 |
| C30 (~92) | 689-44311-03-00 |
| 40 / 50 / P50 (~94) | 6J8-44311-00-00 |
| 40 / C40 / P40 / 50 / C50 / P50 (95~) | 63D-44311-00-00 |
| E48 / C55 | 663-44311-02-00 |
| 60 / C60 / P60 / E60 (~03) | 6H3-44311-00-00 |
| 60 / 70 (04~) / C75 / E75 / P75 / 90 | 688-44311-01-00 |
| C85 (92~95) | 688-44311-01-00 |
| C85 (89~91, 96~97) | 67F-44311-01-00 |
| 115 / C115 / 130 (~92) | 61A-44311-01-00 |
| 115 / B115 / C115 / P115 / S115 (93~) | 61A-44311-01-00 |
| 130 / S130 (93~) | 61A-44311-01-00 |
| 150 / P150 / 175 / 200 / 225 (~91) | 61A-44311-01-00 |
| V150 / VX150 (92~) | 61A-44311-01-00 |
| 150 / C150 / D150 / DX150 (92~) | 61A-44311-01-00 |
| P150 / PX150 / P175 / P200 (92~) | 61A-44311-01-00 |
| S150 / SX150 / S200 / SX200 | 61A-44311-01-00 |
| S225v SX225 / S250 / SX250 | 61A-44311-01-00 |
| 175v 200 / 225 / 250 | 61A-44311-01-00 |
| V200 / VX200 / V225 | 61A-44311-01-00 |
| VX225 / V250 / VX250 | 61A-44311-01-00 |
| VZ150 / VZ175 / VZ200 | 61A-44311-01-00 |
| VZ225 / VZ250 / VZ300 | 61A-44311-01-00 |
| Z150 / Z175 / Z200 / Z250 / Z300 | 61A-44311-01-00 |



**Anti-Knock Washers**
Required when changing a water pump on engines utilizing anti-knock washers.

| | |
|---|---|
| Collar | 61A-45527-00-00 |
| Spacer | 61A-45538-00-00 |
| Plate Washer | 90201-22M01-00 |
| Wave Washer | 90206-22M19-00 |

## 4-Stroke Water Pump Repair Kits

### T8 / T9.9 (04/2007~) - *69G-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 63V-44322-00-00 |
| 1 | Damper, Water Seal 2 | 68T-44366-01-00 |
| 1 | Impeller | 63V-44352-01-00 |
| 1 | Key, Woodruff | 664-44338-00-00 |
| 1 | O-Ring | 93210-44704-00 |
| 1 | Outer Plate, Cartridge | 68T-44323-00-00 |
| 4 | Bolt | 97095-08045-00 |

### F9.9, / T9.9 / FT9.9 (~96) - *682-W0078-A1-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 2 | Gasket, Water Pump | 682-44315-A0-00 |
| 1 | Insert, Cartridge | 682-44322-00-00 |
| 1 | Outer Plate, Cartridge | 682-44323-00-00 |
| 1 | Damper, Water Seal 1 | 682-44365-00-00 |
| 1 | Key, Woodruff | 90280-03024-00 |
| 4 | Bolt | 97095-06040-00 |
| 1 | Impeller | 682-44352-03-00 |

### F9.9 / T9.9 / FT9.9 (~96) / F9.9 / T9.9 (04~04/2005) / FT9.9 (04~04/2005) - *682-W0078-A3-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Damper, Water Seal 1 | 682-44365-00-00 |
| 4 | Bolt | 97080-06045-00 |
| 1 | Insert, Cartridge | 682-44322-00-00 |
| 1 | Impeller | 682-44352-03-00 |
| 2 | Gasket, Water Pump | 682-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 682-44323-00-00 |
| 1 | Key, Woodruff | 90280-03024-00 |

### F9.9-2 / T9.9-2 / F15 - *63V-W0078-04-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Damper, Water Seal 2 | 647-44366-01-00 |
| 4 | Bolt | 97095-08045-00 |
| 1 | Insert, Cartridge | 63V-44322-00-00 |
| 1 | Impeller | 63V-44352-01-00 |
| 1 | Outer Plate, Cartridge | 63V-44323-00-00 |
| 1 | Key, Woodruff | 664-44338-00-00 |

### F2.5

Parts List (not sold as a kit):

| Qty | Description | Part # |
|---|---|---|
| 1 | O-Ring | 93210-33M85-00 |
| 1 | Insert Cartridge | 6L5-44322-00-00 |
| 1 | Outer Plate Cartridge | 69M-G4323-00-00 |
| 1 | Damper, Water Seal 2 | 6E0-44366-01-00 |
| 1 | Impeller | 6L5-44352-00-00 |
| 4 | Bolt | 97095-06040-00 |
| 2 | Pin, Dowel | 93604-18080-00 |
| 2 | Plate | 69M-G4328-00-00 |

### F4 / F6 (09/2009~ ) - *6EE-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Housing, Water Pump | 6EE-G4311-00-00 |
| 1 | Gasket, Water Pump | 6EE-G4315-00-00 |
| 1 | Insert, Cartridge | 6BX-44322-00-00 |
| 1 | Outer Plate, Cartridge | 6BX-44323-00-00 |
| 1 | Damper, Water Seal 2 | 67D-44366-00-00 |
| 1 | Impeller | 6E0-44352-00-00 |
| 4 | Bolt | 97080-06045-00 |
| 2 | Pin, Dowel | 93604-18080-00 |

### F6 / F8 (~06/2008) - *68T-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 63V-44322-00-00 |
| 1 | Damper, Water Seal 2 | 68T-44366-01-00 |
| 1 | Impeller | 68T-44352-00-00 |
| 1 | Key, Woodruff | 664-44338-00-00 |
| 1 | O-Ring | 93210-44704-00 |
| 1 | Outer Plate, Cartridge | 68T-44323-00-00 |
| 4 | Bolt | 97095-08045-00 |

# 4-Stroke Water Pump Repair Kits

### F15C / F20 - *6AH-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Housing, Water Pump | 6AH-44311-00-00 |
| 1 | Insert, Cartridge | 63V-44322-00-00 |
| 1 | Damper, Water Seal | 6L2-44367-01-00 |
| 1 | Impeller | 63V-44352-01-00 |
| 1 | Key, Woodruff | 664-44338-00-00 |
| 1 | O-Ring | 93210-49046-00 |
| 1 | Outer Plate, Cartridge | 68T-44323-00-00 |
| 2 | Pin, Dowel | 93604-10M03-00 |
| 4 | Bolt | 97095-08045-00 |
| 2 | Plate | 63V-44328-01-00 |

### F40 (99) / F50 (97~) / F60 (02~)

### *63D-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 63D-44322-00-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Cover, Water Pump Housing | 63D-44312-00-00 |
| 1 | Outer Plate, Cartridge | 63D-44323-00-00 |
| 1 | O-Ring | 93210-59MG7-00 |
| 1 | Gasket, Water Pump | 63D-44316-00-00 |
| 4 | Bolt, With Washer | 90119-08M15-00 |
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Key, Woodruff | 90280-03024-00 |

### F25 - *61N-W0078-14-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 63V-44322-00-00 |
| 1 | Damper, Water Seal 3 | 6L2-44367-01-00 |
| 1 | Impeller | 63V-44352-01-00 |
| 1 | Key, Woodruff | 664-44338-00-00 |
| 1 | O-Ring | 93210-49046-00 |
| 1 | Outer Plate, Cartridge | 68T-44323-00-00 |
| 2 | Pin, Dowel | 93604-10M03-00 |
| 4 | Bolt | 97095-08045-00 |
| 2 | Plate | 63V-44328-01-00 |

### F40 (2010~) - *6BG-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Pump Housing Cover | 63D-44312-00-00 |
| 1 | Gasket, Water Pump | 63D-44316-00-00 |
| 1 | Insert Cartridge | 63D-44322-00-00 |
| 1 | Outer Plate , Cartridge | 63D-44323-00-00 |
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Impeller | 6H4-44352-02-00 |
| 4 | Bolt, With Washer | 90119-08M15-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |
| 1 | O-Ring | 93210-59MG7-00 |

### T25 / F30 / F40 (00~2009) - *66T-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 63D-44322-00-00 |
| 1 | Outer Plate, Cartridge | 66T-44323-00-00 |
| 1 | O-Ring | 93210-59MG7-00 |
| 1 | Gasket, Water Pump | 63D-44316-00-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |
| 1 | Impeller | 6H4-44352-02-00 |
| 4 | Bolt, With Washer | 90119-08M15-00 |
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Pump Housing Cover | 63D-44312-00-00 |

## 4-Stroke Water Pump Repair Kits

### F75, F80, F90, F100 - *67F-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 67F-44322-00-00 |
| 1 | Impeller | 67F-44352-00-00 |
| 1 | Gasket, Water Pump | 688-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 67F-44323-00-00 |
| 1 | Gasket, Cartridge | 688-44324-A0-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | O-Ring | 93210-46044-00 |
| 2 | Bolt, With Washer | 90119-08M87-00 |
| 2 | Bolt, With Washer | 90119-08M13-00 |
| 1 | Key, Woodruff | 90280-04M04-00 |

### F115 (00~01) - *6N6-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6E5-44323-00-00 |
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |
| 1 | Key, Woodruff | 90280-04M04-00 |

### F115 (02~ ) - *68V-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6EK-44323-00-00 |
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |

### F50, T50 (96) - *6H3-W0078-A0-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Water Pump | 6H3-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 6H3-44323-00-00 |
| 1 | Gasket, Cartridge | 6H3-44324-A0-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Insert, Cartridge | 663-44322-00-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |
| 1 | O-Ring | 93210-46044-00 |
| 4 | Bolt | 97095-08055-00 |
| 4 | Bolt | 97095-08045-00 |

### T50 / T60 (97~) - *6H3-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 663-44322-00-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Gasket, Water Pump | 6H3-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 6H3-44323-00-00 |
| 1 | Gasket, Cartridge | 6H3-44324-A0-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | O-Ring | 93210-46044-00 |
| 2 | Bolt, With Washer | 90119-08M14-00 |
| 2 | Bolt, With Washer | 90119-08M33-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |

### F70 - *6CJ-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert,Cartridge | 63D-44322-00-00 |
| 1 | Gasket, Water Pump | 6CJ-44315-00-00 |
| 1 | Cover, Pump Housing | 63D-44312-00-00 |
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |
| 2 | Oil Seal | 93101-23070-00 |
| 1 | O-Ring | 93210-46044-00 |
| 1 | Gasket, Water Pump | 6CJ-44316-00-00 |
| 1 | Outer Plate, Cartridge | 6CJ-44323-00-00 |
| 1 | Gasket, Cartridge | 6CJ-44324-00-00 |
| 2 | Pin, Dowel | 93604-10M03-00 |
| 2 | Bolt, With Washer | 90119-08M33-00 |
| 2 | Bolt, With Washer | 90119-08M14-00 |

## 4-Stroke Water Pump Repair Kits

### F150 / F200 / F225 - *61A-W0078-A4-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6G5-44323-01-00 |
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |

### F300 / F350 (V8) - *6AW-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 6AW-44322-00-00 |
| 1 | O-Ring | 93210-94003-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6AW-44352-00-00 |
| 1 | Key | 6AW-44336-00-00 |
| 1 | Outer Plate, Cartridge | 6AW-44323-00-00 |
| 1 | Gasket, Water Pump | 6AW-44315-00-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |

### VF200 / VF225 / VF250 - *6CB-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Key, Woodruff | 90280-04002-00 |
| 1 | Outer Plate, Cartridge | 6CB-44323-00-00 |
| 1 | Gasket, Water Pump | 6CB-44315-00-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |

### F250 / F250B - *6P2-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6P2-44323-00-00 |
| 1 | Gasket, Water Pump | 60X-44315-A0-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |

### F225 / F250 / F300 (4.2L) - *6CE-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 2 | Oil Seal | 93104-22M07-00 |
| 1 | Insert, Cartridge | 6AW-44322-00-00 |
| 1 | O-Ring | 93210-94003-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6CE-44352-00-00 |
| 1 | Key, Woodruff | 90280-04002-00 |
| 1 | Outer Plate, Cartridge | 6CE-44323-01-00 |
| 1 | Gasket, Water Pump | 6CE-44315-00-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |

### XTO® 425 (2018~) / XTO® 450 (2023~) - 6GR-W0078-01-00

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 6GR-44322-00-00 |
| 1 | O-Ring | 93210-97690-00 |
| 1 | O-Ring | 93211-08001-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6GR-44352-00-00 |
| 1 | Outer Plate, Cartridge | 6GR-44323-00-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M16-00 |
| 1 | Key | 6AW-44336-00-0 |

# 2-Stroke Water Pump Repair Kits

### 4 / 5 (97~) - *6E0-W0078-A5-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Housing, Water Pump | 6E0-44311-00-00 |
| 1 | Gasket, Water Pump | 6E0-44315-A0-00 |
| 1 | Insert, Cartridge | 6E0-44322-02-00 |
| 1 | Outer Plate, Cartridge | 6E0-44323-00-00 |
| 1 | Damper, Water Seal 2 | 6E0-44366-01-00 |
| 1 | Impeller | 6E0-44352-00-00 |
| 4 | Bolt | 97080-06045-00 |
| 2 | Pin Dowel | 93604-18080-00 |

### 6 / 8 (96~) - *6N0-W0078-A0-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Water Pump | 6G1-44315-A0-00 |
| 1 | Insert, Cartridge | 6G1-44322-00-00 |
| 1 | Outer Plate, Cartridge | 6G1-44323-00-00 |
| 1 | Damper, Water Seal 2 | 647-44366-00-00 |
| 1 | Impeller | 6G1-44352-00-00 |
| 2 | Plate | 6G1-44328-00-00 |
| 4 | Bolt | 97080-06045-00 |

### 9.9 / 15 (~95) - *682-W0078-A1-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 2 | Gasket, Water Pump | 682-44315-A0-00 |
| 1 | Insert, Cartridge | 682-44322-00-00 |
| 1 | Outer Plate, Cartridge | 682-44323-00-00 |
| 1 | Damper, Water Seal 1 | 682-44365-01-00 |
| 1 | Key, Woodruff | 90280-03024-00 |
| 4 | Bolt | 97095-06040-00 |
| 1 | Impeller | 682-44352-03-00 |

### 9.9 / 15 (96~) - *63V-W0078-04-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Damper, Water Seal 2 | 647-44366-01-00 |
| 4 | Bolt | 97095-08045-00 |
| 1 | Insert, Cartridge | 63V-44322-00-00 |
| 1 | Impeller | 63V-44352-01-00 |
| 1 | Outer Plate, Cartridge | 63V-44323-00-00 |
| 1 | Key, Woodruff | 664-44338-00-00 |

### 2 (89~02) - *6GD-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 2 | Pin, Dowel | 93604-09068-00 |
| 1 | O-Ring | 93210-19123-00 |
| 2 | Oil Seal | 93101-11M44-00 |
| 1 | Outer Plate, Cartridge | 646-44323-00-00 |
| 1 | Impeller | 646-44352-01-00 |
| 1 | Insert, Cartridge | 6GD-G4322-00-00 |
| 1 | Protector, Oil Seal | 6GD-44325-00-00 |
| 2 | Bolt | 97095-05016-00 |

### 3 (88~02) - *6L5-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | O-Ring | 93210-33M85-00 |
| 1 | Insert, Cartridge | 6L5-44322-00-00 |
| 1 | Outer Plate, Cartridge | 6L5-44323-00-00 |
| 1 | Damper, Water Seal 2 | 6E0-44366-01-00 |
| 1 | Impeller | 6L5-44352-00-00 |
| 4 | Bolt | 97095-06040-00 |
| 2 | Pin, Dowel | 93604-18080-00 |
| 2 | Plate | 6L5-44328-00-00 |

### 4 / 5 (~96) - *6E0-W0078-A2-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Housing, Water Pump | 6E0-44311-00-00 |
| 1 | Gasket, Water Pump | 6E0-44315-A0-00 |
| 1 | Insert, Cartridge | 6E0-44322-02-00 |
| 1 | Outer Plate, Cartridge | 6E0-44323-00-00 |
| 1 | Impeller | 6E0-44352-00-00 |
| 1 | Damper, Water Seal 2 | 6E0-44366-01-00 |
| 1 | Pin, Dowel | 93604-09066-00 |
| 4 | Bolt | 97080-06045-00 |

## 2-Stroke Water Pump Repair Kits

### 20 / 25 Two Cylinder - *6L2-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Outer Plate, Cartridge | 6L2-44323-00-00 |
| 1 | O-Ring | 93210-45161-00 |
| 1 | Impeller | 6L2-44352-00-00 |
| 1 | Insert, Cartridge | 6L2-44322-00-00 |
| 4 | Bolt | 97095-06040-00 |
| 1 | Key, Woodruff | 90280-03024-00 |

### 25 / 30 Three Cylinder (96~02) *6J8-W0078-A2-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 663-44322-00-00 |
| 1 | Impeller | 6H4-44352-02-00 |
| 1 | Gasket, Water Pump | 663-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 663-44323-00-00 |
| 1 | Gasket, Cartridge | 663-44324-A0-00 |
| 1 | Gasket, Water Pump | 663-44316-A0-00 |
| 2 | Bolt, With Washer | 90119-08M13-00 |
| 2 | Bolt, With Washer | 90119-08M34-00 |

### C25 (90~97), C30 (90~92) - *689-W0078-A6-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Damper, Water Seal 1 | 626-44365-02-00 |
| 1 | Housing, Water Pump | 689-44311-03-00 |
| 3 | Bolt, With Washer | 90119-06M07-00 |
| 1 | Insert, Cartridge | 689-W4432-02-00 |
| 1 | Outer Plate, Cartridge | 689-44323-03-00 |
| 1 | Gasket, Cartridge | 689-44324-A0-00 |
| 1 | Impeller | 689-44352-02-00 |
| 1 | Gasket, Water Pump | 689-44316-A0-00 |
| 1 | Key, Woodruff | 664-44338-00-00 |

### 30 ( ~95) - *6J8-W0078-A1-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Impeller | 6H4-44352-02-00 |
| 1 | Gasket, Water Pump | 663-44315-A0-00 |
| 1 | Gasket, Water Pump | 663-44316-A0-00 |
| 1 | Insert, Cartridge | 663-44322-00-00 |
| 1 | Outer Plate, Cartridge | 663-44323-00-00 |
| 1 | Gasket, Cartridge | 663-44324-A0-00 |
| 2 | Bolt | 97095-08040-00 |
| 2 | Bolt | 97095-08050-00 |

### C30 (93~97) - *61N-W0078-14-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Housing, Water Pump | 61N-44311-01-00 |
| 1 | Damper, Water Seal 3 | 6L2-44367-01-00 |
| 1 | Insert, Cartridge | 61N-44322-01-00 |
| 1 | Impeller | 6H4-44352-02-00 |
| 1 | O-Ring | 93210-45161-00 |
| 1 | Outer Plate, Cartridge | 61N-44323-00-00 |
| 4 | Bolt | 97095-06040-00 |
| 4 | Washer | 92990-06600-00 |
| 1 | Key, Woodruff | 90280-03024-00 |

### 40 / 50 P50 / (~96) - *63D-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Water Pump | 63D-44316-00-00 |
| 1 | Outer Plate, Cartridge | 63D-44323-00-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Insert, Cartridge | 63D-44322-00-00 |
| 1 | Gasket, Water Pump | 63D-44316-00-00 |
| 1 | Key, Woodruff | 90280-03024-00 |
| 1 | O-Ring | 93210-59MG7-00 |
| 4 | Bolt | 97080-08030-00 |
| 4 | Washer, Special Shape | 90209-08M02-00 |

### 40 / C40 (98~03) / P40 / 50 / C50 / P50 (97~) - *63D-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 63D-44322-00-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Cover, Pump Housing | 63D-44312-00-00 |
| 1 | Outer Plate, Cartridge | 63D-44323-00-00 |
| 1 | O-Ring | 93210-59MG7-00 |
| 1 | Gasket, Water Pump | 63D-44316-00-00 |
| 4 | Bolt, With Washer | 90119-08M15-00 |
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Key, Woodruff | 90280-03024-00 |

# 2-Stroke Water Pump Repair Kits

### C55 (90~91) - *663-W0078-A0-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Water Pump | 663-44315-A0-00 |
| 1 | Insert, Cartridge | 663-44322-00-00 |
| 1 | Outer Plate, Cartridge | 663-44323-00-00 |
| 1 | Gasket, Cartridge | 663-44324-A0-00 |
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Key, Woodruff | 90290-03M03-00 |
| 2 | Bolt | 97095-08045-00 |
| 2 | Bolt | 97095-08055-00 |

### C55 (92~94) - *663-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 663-44322-00-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Gasket, Water Pump | 663-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 663-44323-00-00 |
| 1 | Gasket, Cartridge | 663-44324-A0-00 |
| 2 | Bolt | 97095-08055-00 |
| 2 | Bolt | 97095-08045-00 |
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |

### 60 / 70 (04~) / C75 / P75 / C80 / 90 / B90 / C90 (97~) / E75 - *692-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 688-44322-00-00 |
| 1 | Impeller | 688-44352-03-00 |
| 1 | Gasket, Water Pump | 688-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 688-44323-00-00 |
| 1 | Gasket, Cartridge | 688-44324-A0-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | O-Ring | 93210-46044-00 |
| 2 | Bolt, With Washer | 90119-08M13-00 |
| 2 | Bolt, With Washer | 90119-08M16-00 |
| 1 | Key, Woodruff | 90280-04M04-00 |

### CV40 (90) - *6F5-W0078-A0-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Insert, Cartridge | 676-44322-00-00 |
| 1 | Impeller | 6F5-44352-00-00 |
| 1 | Gasket, Water Pump | 676-44315-A1-00 |
| 1 | Outer Plate, Cartridge | 676-44323-00-00 |
| 1 | Gasket, Cartridge | 676-44324-A1-00 |
| 1 | Gasket, Water Pump | 679-44316-A0-00 |
| 2 | Bolt | 97095-08055-00 |
| 2 | Bolt | 97095-08045-00 |
| 4 | Washer | 92990-08600-00 |
| 1 | Key, Woodruff | 90280-04M00-00 |

### C40 (91~97) - *679-W0078-A1-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Insert, Cartridge | 676-44322-00-00 |
| 1 | Impeller | 6F5-44352-00-00 |
| 1 | Gasket, Water Pump | 676-44315-A1-00 |
| 1 | Outer Plate,Cartridge | 676-44323-00-00 |
| 1 | Gasket, Cartridge | 676-44324-A1-00 |
| 1 | Gasket, Water Pump | 679-44316-A0-00 |
| 2 | Bolt | 97095-08055-00 |
| 2 | Bolt | 97095-08045-00 |
| 1 | Key, Woodruff | 90280-04M00-00 |

### E48 (95~00) - *696-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 663-44322-40-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Gasket, Water Pump | 663-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 670-44323-00-00 |
| 1 | Gasket, Cartridge | 663-44324-A0-00 |
| 2 | Bolt | 97095-08055-00 |
| 2 | Bolt | 97095-08045-00 |
| 1 | Damper, Water Seal 2 | 663-44366-01-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |

## 2-Stroke Water Pump Repair Kits

### E60 (97~00) - *6K5-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 663-44322-40-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Gasket, Water Pump | 6H3-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 6H3-44323-40-00 |
| 1 | Gasket, Cartridge | 6H3-44324-A0-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | O-Ring | 93210-46044-00 |
| 2 | Bolt, With Washer | 90119-08M33-00 |
| 2 | Bolt, With Washer | 90119-08M14-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |

### C85 (91) / CV85 (89~90), 90 (84~91) - *692-W0078-A0-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Water Pump | 688-44315-A0-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | Insert, Cartridge | 688-44322-00-00 |
| 1 | Outer Plate, Cartridge | 688-44323-00-00 |
| 1 | Gasket, Cartridge | 688-44324-A0-00 |
| 1 | Impeller | 688-44352-03-00 |
| 1 | Key, Woodruff | 90280-04M04-00 |
| 1 | O-Ring | 93210-46044-00 |
| 2 | Bolt | 97095-08050-00 |
| 2 | Bolt | 97095-08070-00 |

### 60 / C60 / P60 / 70 / C70 (97~03) *6H3-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert Cartridge | 663-44322-00-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Gasket, Water Pump | 6H3-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 6H3-44323-00-00 |
| 1 | Gasket, Cartridge | 6H3-44324-A0-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | O-Ring | 93210-46044-00 |
| 2 | Bolt, With Washer | 90119-08M14-00 |
| 2 | Bolt, With Washer | 90119-08M33-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |

### E75 (95~96) / P75 (96) / C75 (94~96) / C85 / 90 (92~96) - *692-W0078-A0-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 688-44322-00-00 |
| 1 | Impeller | 688-44352-03-00 |
| 1 | Gasket, Water Pump | 688-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 688-44323-00-00 |
| 1 | Gasket, Cartridge | 688-44324-A0-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | O-Ring | 93210-46044-00 |
| 2 | Bolt | 97095-08050-00 |
| 2 | Bolt | 97095-08070-00 |
| 1 | Key, Woodruff | 90280-04M04-00 |

### C60 / E60 / P60 / 70 (92~96) - *6H3-W0078-01-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 663-44322-00-00 |
| 1 | Impeller | 6H3-44352-00-00 |
| 1 | Gasket, Water Pump | 6H3-44315-A0-00 |
| 1 | Outer Plate, Cartridge | 6H3-44323-00-00 |
| 1 | Gasket, Cartridge | 6H3-44324-A0-00 |
| 1 | Gasket, Water Pump | 688-44316-A0-00 |
| 1 | O-Ring | 93210-46044-00 |
| 2 | Bolt | 97095-08045-00 |
| 2 | Bolt | 97095-08055-00 |
| 1 | Key, Woodruff | 90280-03M03-00 |

### 115 / C115 / 130 (~92) - *6E5-W0078-A1-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 1 | Insert, Cartridge | 6E5-44322-00-00 |
| 1 | Outer Plate, Cartridge | 6E5-44323-00-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 4 | Washer | 90209-08M02-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt | 97080-08045-00 |

# 2-Stroke Water Pump Repair Kits

### 115 / C115 / P115 / S115 (96~99) / 130 (93~96) - *6N6-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-00-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6E5-44323-00-00 |
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 1 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt | 97095-08045-00 |
| 4 | Washer | 90209-08M02-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |

### 115 / C115 (97~) - *6N6-W0078-02-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6E5-44323-00-00 |
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |

### 150 / P150 / 175 / 200 / 225 (~91) - *6G5-W0078-A1-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 1 | Insert, Cartridge | 6E5-44322-00-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6G5-44323-01-00 |
| 4 | Washer | 90209-08M02-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt | 97095-08045-00 |

### D150 / DX150 / B115 (97~99) - *65N-W0078-A1-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 65N-44323-00-00 |
| 1 | Gasket, Water Pump | 65N-44315-A0-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |

### P150 (92~96) / P175 (94~96) / P200 (91~96) / C150 (96) / 150~225 (96) / L150~L250 (96) / S150~S250 (96) - *61A-W0078-A1-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-00-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6G5-44323-01-00 |
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 2 | Pin, Dowell | 93606-12019-00 |
| 4 | Bolt | 97095-08045-00 |
| 4 | Washer | 90209-08M02-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |

### VZ200 (3.1L) / VZ225~VZ300 (03~ ) - *60X-W0078-00-00*

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 60X-44323-00-00 |
| 1 | Gasket, Water Pump | 60X-44315-A0-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |

## 2-Stroke Water Pump Repair Kits

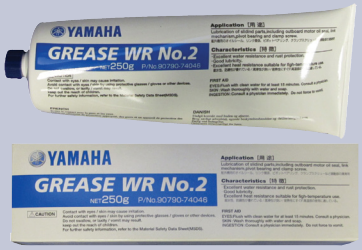
**225 / 250 (92~) / S150 / SX150 / S200 / SX200 / S250 / SX250 / V150~V250 / VX150~VX250 / VZ150~VZ200 (2.6L) / Z150~Z300 / P150~P200 / C150 (97~99) / PX150 (99) - *61A-W0078-A4-00***

Kit Includes:

| Qty | Description | Part # |
|---|---|---|
| 1 | Insert, Cartridge | 61A-44322-02-00 |
| 1 | O-Ring | 93210-86M38-00 |
| 1 | O-Ring | 93210-37M67-00 |
| 1 | Impeller | 6E5-44352-01-00 |
| 1 | Outer Plate, Cartridge | 6G5-44323-01-00 |
| 1 | Gasket, Water Pump | 6E5-44315-A0-00 |
| 2 | Pin, Dowel | 93606-12019-00 |
| 4 | Bolt, With Washer | 90119-08M14-00 |
| 1 | Key, Woodruff | 90280-04M05-00 |

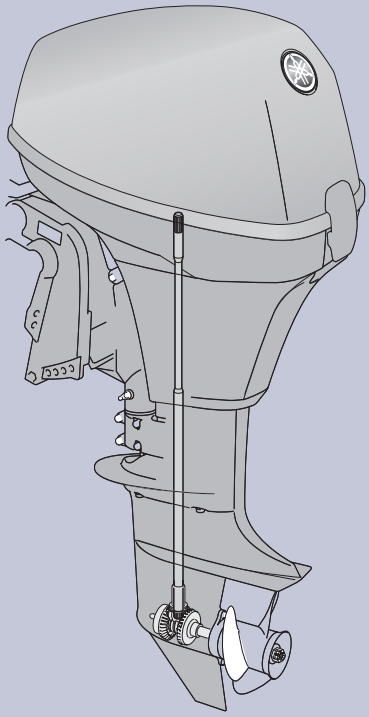
# REMINDER

Don't forget the WR No. 2 grease for the driveshaft splines when reinstalling the lower unit after water services.




WR No. 2 Grease
Provides water resistance, rust protection, lubrication and heat resistance. Specially designed for four stroke oil pump seals, drive shaft splines and drive shaft bushing area. For four stroke and two stroke applications.

90790-74068-00



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## Oil and Lubes POP Material

**YAMALUBE® Marine Performance**
There are many reasons you chose a Yamaha Outboard. Performance, Technology, Durability, and an enjoyable boating experience you can look forward to thanks to Yamaha's legendary reliability. Using Genuine Yamaha oils and maintenance parts along with a regular maintenance schedule can help your customers get the most out of their engines and their boating experience.

Yamaha offers a variety of material to help you convey the importance of proper maintenance and the advantage of Genuine Yamaha parts, most at little or no cost to you.

**Point of Purchase Items:**

YAMALUBE® Counter Mats: ***LIT-CNTRM-AT-21***

Ethanol Defense Brochures: ***LIT-YAMAL-BR-OC***

Maintenance Matters® Brochures: ***LIT-MNTMT-RS-22***

Trailer Tongue Guards (5 pack): ***LIT-TRTNG-GR-D0***

Display Bottle: ***LUB-BOTTL-DS-03***

Roller Cart: ***LUB-BOTTL-DS-04***







**Introduction to Outboards Training Material:**

Instructors Guide: ***MAR-TTRNG-01-00***

Student Guide: ***MAR-TTRNG-00-00***




**Helm Master® EX:**

Helm Master Rigging Procedures Guide: ***MAR-HMRPM-EX-00***




**Rigging Procedures:**

Rigging Procedures for the Outboard Technician: ***MAR-RIGGD-20-19***




**Specification Guides:**

***MAR-TSPEC-10-00 (1984-2010)***

***MAR-TSPEC-11-00 (2010~)***

## Outboard Engine Oil

**YAMALUBE® 4M FC-W® Full Synthetic SAE 5W-30**
Group IV fully synthetic oil offers our best outboard lubrication and performance, and it's FC-W® rated by the National Marine Manufacturers Association (NMMA®). Contains all of the benefits of mineral oil based Yamalube 4M, with increased lubricity for lower friction levels and potentially improved fuel economy. Specific marine additives help combat rust, corrosion, varnish, and wear; all while providing high levels of bearing protection, resistance to foaming, and lubrication.




**YAMALUBE® 4M FC-W® for Four Stroke Outboards**
In order for an oil to be approved by the NMMA® to hold its highest rating for marine engine oils, FC-W® (Four Cycle – Water cooled) it must pass a multitude of tests. Passenger car oils don't pass these tests, which is why it's important to use NMMA®-Certified YAMALUBE 4M FC-W®. Automotive oils do not usually run at 6000 rpm. Yamaha Outboard engines were designed to run at full throttle (5500 to 6000 rpm) all day long. At this speed it is critical that engine oil not foam. Foaming reduces lubricity which can lead to wear and over time this can lead to failure. Yamalube 4M FC-W® has the best blend of anti-foam technology available.




**YAMALUBE® 2M Two Stroke for Outboards**
NMMA® TC-W3®-Certified, 2M premium two stroke blend delivers superior lubrication and anti-wear/anti-rust protection for outboard engines operating in demanding marine environments. YAMALUBE 2M is made up of a Semi-synthetic oil with an exclusive additive blend works to guard against ring stick and carbon build up, while special additives minimize wear. This oil is designed for the most grueling conditions two stroke outboards face. Whether it's extended full-throttle operation, engine- punishing "out of the hole" acceleration, or hour after hour of trolling, this oil can take it. *Not recommended for WaveRunner® Personal Watercraft or Sport Boats.*




| YAMALUBE® Oil | Quart Bottles *(Minimum Order Qty 12)* | One Gallon Bottles *(Minimum Order Qty 4)* | 55 Gallon Drum *(Minimum Order Qty 1)* | 330 Gallons |
|---|---|---|---|---|
| 4M FC-W® 05W-30 | LUB-05W30-FC-12 | LUB-05W30-FC-04 | | |
| 4M FC-W® 10W-30 | LUB-10W30-FC-12 | LUB-10W30-FC-04 | LUB-10W30-FC-55 | LUB-10W30-FC-BK |
| 4M FC-W® 20W-40 | LUB-20W40-FC-12 | LUB-20W40-FC-04 | LUB-20W40-FC-55 | |
| 2M Two Stroke Oil | LUB-2STRK-M1-12 | LUB-2STRK-M1-04 | LUB-2STRK-M1-55 | |

## Outboard Oil Change Kits

Yamaha's oil change kits are designed for the mobile service dealers to provide an easy, all in one oil change package. They're also perfect for the do-it-yourself customer. One stop, one box, and your customer is back on the water. Large, Mid-Range, and Medium Kits have a minimum order quantity of 4. Small oil change kits have a minimum order quantity of 6.




| Production Years | Model | Oil Change Capacity | 05W-30 Kit | 10W-30 Kit | 20W-40 Kit | Min. Order Qty. | Kit Contents |
|---|---|---|---|---|---|---|---|
| '10~ | VF250, VF225, VF200 | 7.1 Qts. | LUB-MRNSH-KT-05 | | | 2 | VMAX SHO Kit: 8 quarts of oil, oil filter, and drain screw gasket. |
| '10~ | 4.2L V6 Offshore Outboards | 6.7 Qts. | | LUB-MRNXL-KT-10 | LUB-MRNXL-KT-20 | 2 | Extra Large Kit: 7 quarts of oil, oil filter, and drain screw gasket. |
| '11~ | 4.2L (B &C) F225 ~ F350 | 6.7 Qts. | | LUB-MRNXL-KT-10 | LUB-MRNXL-KT-20 | | |
| '05-'10 | 3.3L F250A&B | 5.1 Qts. | | LUB-MRNLG-KT-10 | LUB-MRNLG-KT-20 | 4 | Large Kit: 6 quarts of oil, oil filter, and drain screw gasket |
| '08-'10 | 3.3L F225 Sport | 5.1 Qts. | | LUB-MRNLG-KT-10 | LUB-MRNLG-KT-20 | | |
| '02-'10 | 3.3L F225 | 5.1 Qts. | | LUB-MRNLG-KT-10 | LUB-MRNLG-KT-20 | | |
| '02-'10 | 3.3L F200 | 5.1 Qts. | | LUB-MRNLG-KT-10 | LUB-MRNLG-KT-20 | | |
| 13~ | F200 (In Line) | 4.8 Qts. | | LUB-MRNMR-KT-10 | LUB-MRNMR-KT-20 | 4 | Mid Range Kit: 5 quarts of oil, oil filter, and drain screw gasket. |
| 14~ | F175 | 4.8 Qts. | | LUB-MRNMR-KT-10 | LUB-MRNMR-KT-20 | | |
| 14~ | VF175 | 4.8 Qts. | | LUB-MRNMR-KT-10 | LUB-MRNMR-KT-20 | | |
| 13~ | VF150 | 4.8 Qts. | | LUB-MRNMR-KT-10 | LUB-MRNMR-KT-20 | | |
| '04~ | F150 | 4.8 Qts. | | LUB-MRNMR-KT-10 | LUB-MRNMR-KT-20 | | |
| '15~ | F115 / VF115 | 3.4 Qts. | | LUB-MRNMD-KT-11 | LUB-MRNMD-KT-21 | 4 | Medium Kit: 4 quarts of oil, oil filter, and drain screw gasket |
| '00~'14 | F115A | 3.9 Qts. | | LUB-MRNMD-KT-11 | LUB-MRNMD-KT-21 | | |
| '00~'14 | F115B | 3.9 Qts. | | LUB-MRNMD-KT-11 | LUB-MRNMD-KT-21 | | |
| '99-'02 | F100 | 5.0 Qts. | | LUB-MRNMD-KT-11 | LUB-MRNMD-KT-21 | | |
| '03~ | F90 / VF90 | 3.4 Qts. | | LUB-MRNMD-KT-11 | LUB-MRNMD-KT-21 | | |
| '99-'02 | F80 | 5.0 Qts. | | LUB-MRNMD-KT-11 | LUB-MRNMD-KT-21 | | |
| '03~ | F75 | 3.4 Qts. | | LUB-MRNMD-KT-11 | LUB-MRNMD-KT-21 | | |
| '10~ | F70 | 2.3 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | 6 | Small Kit: 3 quarts of oil, oil filter, and drain screw Gasket |
| '03~ | T60 | 2.3 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | | |
| '02~ | F60 | 2.3 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | | |
| '96~ | T50 | 2.3 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | | |
| '95~ | F50 | 2.3 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | | |
| '09~ | F40A | 2.1 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | | |
| '99-'08 | F40 | 2.3 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | | |
| '01-'06 | F30 | 2.3 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | | |
| '13~ | F30 | 2.3 Qts. | | LUB-MRNSM-KT-10 | LUB-MRNSM-KT-20 | | |

## Pumps and Spouts

**Multi-Purpose Gallon Pump**
Universal style gallon-size container pump. Fits standard oil containers with a 1-1/2"neck. A marine lower unit fitting and all-purpose fitting are also included.

***ACC-PUMP0-02-GL***



**Multi-Purpose Quart Pump**
Universal style quart-size container pump. Fits standard oil containers with a 1-1/8"neck. A marine lower unit fitting and all-purpose fitting are also included.

***ACC-PUMP0-00-QT***



**5-Gallon Pail Pump**
Use with 5-gallon pails of lube. Comes with special marine lower unit fitting and an all-purpose fitting for filling gearcases.

***LUB-PUMP0-05-GL***



**Manual 55-Gallon Drum Pump**
Use with 55-gallon drums of Yamalube.

***ACC-11000-39-99***



**Oil Extractor Pump**
Make changing the oil on your four stroke personal watercraft, snowmobile, ATV, boat, lawn mower, etc. clean and hassle free. Holds up to 6 liters (1.5 gal) in this sturdy portable container. Pump included.

***SBT-OILEX-TR-CT***



## Pumps and Spouts



**Ratio Rite®**
Provides measures for 16:1- 50:1 mixtures, and cc./oz./pt. for fills.

***ABA-RATIO-RI-TE***




**Disposable Funnel**
This paper funnel is great as either a shop tool or as an accessory to an oil change kit.

***ACC-FLDFU-NN-EL***

## Fuel Additives




### What's Good for the Environment Can Be Bad for Your Engine.

Gasoline's formulated with ethanol (E10) help to improve air quality, which is why the federal government has mandated their increased use. However, unlike fuels of the past, E-10 fuels are known to absorb moisture, either from the air or from standing water in the bottoms of fuel tanks. They also generate corrosive sulfate salts that can attack metal components in a fuel system, clogging filters and resulting in other performance issues. Because of these known weaknesses, E-10 fuels require special care and treatment, whether your engine is in constant use or in storage. The Yamalube Care Products line includes formulations that help combat the potential harmful side-effects of E-10 fuels, ensuring high performance, lower ownership costs and a long life for your Yamaha. Whether additives with Ethanol or not all gasolines need special care to protect/maintain quality and performance. Today's gasolines are engineered fluids designed to maintain the fresh gasoline potency and power for 2 weeks after manufacturing; after that the gasolines can start the degradation process. Yamalube fuel additives are designed to help maintain the like new performance of the gasoline.

### Why should you use Ring Free Plus?

Gasoline whether fresh, degraded or formulated with ethanol, when burned in the combustion process of a 4-Stroke and/or 2-Stroke engine creates carbon deposits. These carbon deposits create performance robbing formations on fuel injectors, carburetors, intake and exhaust valves, intake ports, combustion chamber, piston rings, ring lands, piston crowns and skirts, which could lead to an engine failure if not properly maintained. Ring Free's exclusive synthetic formulation provides superior carbon deposit control to keep your internal engine components clean from deposit formations, delivering consistent peak performance. The PLUS is a unique blend of metal filmers to help protect fuel system components like silver solder, copper, aluminum and steel from the corrosive effects of ethanol sulfate salts and salt water if present in the fuel system.




**32 oz. Bottle (Qty. 6*) *ACC-RNGFR-PL-32***

**12 oz. Bottle (Qty. 12*) *ACC-RNGFR-PL-12***

### Fuel Stabilizer & Conditioner PLUS

Fuel Stabilizer & Conditioner is an exclusive formulation that provides superior Fuel Stabilization performance for Off-Season and In-Season use. Stabilizes ALL gasolines, helps maintain current gasoline potency when added for up to 1 year. Don't wait to stabilize gasoline; it's best to do so at the time of purchase to maintain that fresh gasoline potency. The PLUS is a unique blend of metal filmers to help protect fuel system components like aluminum and steel from the corrosive effects of ethanol sulfate salts and salt water if present in the fuel system.




**32 oz. Bottle (Qty. 6*) ACC-FSTAB-PL-32**

**12 oz. Bottle (Qty. 12*) ACC-FSTAB-PL-12**

** Ordered individually with a minimum order quantity*

## Grease




**Molybdenum Disulfide**
This extreme-pressure grease lubricates high loads at various speeds. Non-corrosive, it's water-resistant, exhibiting low-friction properties that protect against wear and galling in difficult operating conditions.

**4.5 oz. Tube (Qty. 12*)** ***ACC-MOLDM-GS-05***




**Marine Grease**
Especially formulated to resist wash off, extreme heat, pressure, corrosion, and rust. (NLGI® 2) Lithium soap based. Recommended for use in jet lower units.

**10 oz. Tube (Qty. 12*)** ***ACC-GREAS-10-CT***

**14 oz. Cartridge (Qty. 10*)** ***ACC-GREAS-14-CT***




**Multi-Purpose Grease**
Specially formulated to resist extreme pressure, water and corrosion. (NLGI® 2).

***ACC-MLTPR-GR-05***




**WR No. 2 Grease**
Provides water resistance, rust protection, lubrication and heat resistance. Specially designed for four stroke oil pump seals, drive shaft splines and drive shaft bushing area. For four stroke and two stroke applications.

***90790-74068-00***

** Ordered individually with a minimum order quantity*

## Grease




**Power Trim & Tilt**
Premium non-foaming Marine hydraulic fluid formulation that resists heat and pressure found in power trim, tilt and power steering systems for smooth operation. Meets Yamaha factory requirements.

**Quart Bottle (Qty. 12*)** ***ACC-PWRTR-MF-32***
**10 oz. Tube (Qty. 12*)** ***ACC-PWRTR-MF-10***




**Marine Gearcase Lube HD**
Specially formulated performance Marine GL-5 gearcase lube loaded with anti-rust and anti-corrosion inhibitors required…." For use in 200-250, 4.2L Offshore and XTO. (Not recommended for use in any other Yamaha outboard.)

**Quart Bottle (Qty. 12*)** ***ACC-GLUBE-HD-QT***
**Gallon Bottles ( Qty 4*)** ***ACC-GLUBE-HD-GL***
**5 Gallon Pail** ***ACC-GLUBE-HD-05***




**Marine Gearcase Lube**
Specially formulated performance Marine GL-4 gearcase lube loaded with anti-rust and anti-corrosion inhibitors for use in all Outboard lower units. (EXCEPT V8 F300-F350, V6 VMAX SHO 200-250, 4.2L Offshore and XTO)

**10 oz. Tube (Qty. 12*)**
**ACC-GEARL-UB-10**
**Quart Bottle (Qty. 12*)**
**ACC-GEARL-UB-QT**
**Gallon Bottle (Qty. 4*)**
**ACC-GEARL-UB-GL**
**5 Gallon Pail**
***ACC-GEARL-UB-05***

** Ordered individually with a minimum order quantity*

## Yamabond® Adhesives




**Yamabond® 4 Marine**
This silicone-based liquid gasket fills gaps to prevent leaks. Pressure and oil resistant.

3 oz. Tube ***ACC-BOND4-MA-00***




**Yamabond® 5**
Coat mechanical joints with this liquid gasket before assembly to prevent leaks.

2.5 oz. Tube ***ACC-YAMAB-ON-D5***




**Yamabond® 6B**
Has high viscosity and excellent swelling, and works effectively for joint surfaces that have a larger clearance.

3.5 oz. Tube ***ACC-YAMAB-ND-6B***




**Yamabond® 7**
High-strength, synthetic rubber adhesive formulated for grips, throttle pipes and lever handles, without damaging rubber.

10 gram Tube ***ACC-YAMTB-15-01***




**Yamabond® 1386**
Used for camshaft caps on four stroke outboard engines.

15 ml Bottle ***ACC-YAMBD-13-86***

## Shop Supplies




**Yamaha Internal Engine Cleaner**
For dealer purchase only. The best product offered by Yamaha for shock treatment carbon removal. Ordered by case, 1 on order equals 6 bottles.

Quart bottle (Qty. 6*)
***ACC-CLEAN-D1-00***




**EFI Engine Storage Fogging Oil**
Equally distributes fogging oil to cylinders in EFI engines with single-throttle bodies, protecting pistons, cylinder walls and valves from moisture, salt water and combustion acids for up to 1 year of storage.

Quart Bottle (Qty. 6*)
***ACC-STORR-IT-32***




**Combustion Chamber Cleaner**
Use to remove carbon and other contaminants from cylinders, pistons, rings and valves. A great inclusion into your seasonal maintenance. Clean engines last longer.

13 oz. Can (Qty. 12*)
***ACC-CMBSN-CL-NR***




**Stor-Rite Engine Fogging Oil**
Lubricates and protects internal engine components. Critical for proper winterization and during extended storage periods.

12 oz. Can (Qty. 12*)
***ACC-STORE-RI-TE***




**Brake & Contact Cleaner**
Use this product to clean off brake dust from critical brake components and quickly clean parts leaving them residue free.

13 oz. Can (Qty. 12*)
***ACC-BRKCT-12-00***




**LubezAll**
This popular lube is back and completely reformulated. Now an aerosol synthetic grease with PTBE, it's a high quality multipurpose lubricant.

11 oz. Can (Qty. 12*)
***ACC-LUBZA-LL-00***

** Ordered individually with a minimum order quantity*

## Shop Supplies




**External Engine Cleaner**
Powerful engine degreaser and engine cleaner powers off grease, mud and grime. Safe on most rubber, plastic and painted metal surfaces.

15 oz. Can (Qty. 12*)
***ACC-ENGCL-NR-00***




**Yamashield™**
Designed to create a non-conductive shield on surfaces that are exposed to the elements. This shield will reduce the effects of moisture on metal components and electrical connections. This is a building anti-corrosion agent designed for those hard to reach areas. It can only be removed by the use of a solvent like Mineral spirits if a new application is required.

13 oz. Can (Qty. 12*)
***ACC-YAMSH-LD-00***




**Precision Parts Cleaner**
Designed to meet all the demands of a fast-drying, powerful cleaner. Formulated to remove oil, grease, and other contaminants. Quickly and easily cleans engine parts, internal and external components, ignitions, electrical components, spark plugs, or any use where a fast-drying cleaner that leaves no residue is needed.

12.5 oz. Can (Qty. 12*)
***ACC-PPCPT-CL-NR***




**Silicone Spray Protectant & Lubricant**
General-purpose lubricant that helps to protect metals against rust and corrosion. Conditions and protects neoprene, rubber and other surfaces from environmental effects. It's a non-building anti-corrosion agent that can dissipate over time requiring re-application.

11 oz. Can (Qty. 12*)
***ACC-SLCNS-PR-AY***

**Marine Spray Paint by Yamalube**
A high-quality, factory-matched spray paint for touch-ups or full overcoat application. This durable enamel coating will provide good performance in the rigors of the marine environment.




8D Dark Bluish Gray 1 ( Qty 6*) ***ACC-MRNPA-IT-8D***
4D Dark Bluish Gray Metallic 2 ( Qty 6*) ***ACC-MRNPA-IT-4D***
NA Shiny Black ( Qty 6*) ***ACC-MRNPA-IT-NA***

CE White Pearl Base Coat ( Qty 6*) ***ACC-MRNPT-0C-EA***
CE Pearlescent Clear Coat ( Qty 6*) ***ACC-MRNPT-0C-EB***

** Ordered individually with a minimum order quantity*

## For the Technician

**Nitrile Disposable Mechanics Gloves**
These black nitrile gloves are textured to enhance grip action and are up to three to four times the puncture and chemical resistance of latex. Powder free Latex-free 100 gloves per box

Medium - ***ACC-MECHG-LV-MD***
Large - ***ACC-MECHG-LV-LG***
X Large - ***ACC-MECHG-LV-XL***




**Metric Tool Kit**
This handy metric tool kit contains the following: combo wrenches (8, 10, 12 and 14mm), 8" adjustable wrench, locking wrench, 4-way Phillips/standard screwdriver, Allen wrenches (#3, #4, #5 and #6), spark plug wrench, spark plug gap gauge, black electrical tape, WD-40®, tire pressure gauge, zip ties, wire, rag and a handy zippered storage case.

***ABA-METRC-00-00***




**PowerDrive™ Sliding T-Driver with 8-Piece Socket Set by CruzTOOLS®**
The PowerDrive™ Sliding T-handle set Includes a 3/8” tip driver, 8, 10, 12, 14, and 17mm sockets, 5 and 6mm hex bits and a #2 Phillips screwdriver bit. A socket clip that attaches to the driver keeps the sockets in order and a rugged vinyl pouch keeps the tools protected.

***ACC-0SS58-40-67***



**Oil Filter Wrench**
This stamped steel, chrome plated filter wrench makes removing oil filters a breeze. Simply place the wrench over the end of the filter and turn it using either a 3/8" ratchet or 17mm wrench. Two sizes will cover all of your Yamaha spin-on style filters. For 3FV and 5GH Yamaha Oil Filters.

***MTS-TLSKT-02-09***



## YDIS (Yamaha Diagnostic System)



| Part Number | Description | Qty. |
|---|---|---|
| 90890-06980-00 | YDIS 2 Hardware Kit III | 1 |
| **Individual Replacement Kit Components** | | |
| 6DE-85335-00-99 | Adapter, Interface | 1 |
| 6DE-82582-00-99 | Adapter Cap | 1 |
| See Note 1 | USB Cable | 1 |
| 90890-06978-00 | YDIS K and CAN Harness | 1 |
| 90890-06979-00 | YDIS CAN Conversion Harness | 1 |
| 6DE-82582-00-99 | AD Harness | 1 |
| 6DE-8533A-60-99 | Power Supply Harness | 1 |
| 6DE-8533A-40-99 | Trigger Switch Harness | 1 |
| 6DE-8533A-50-99 | Trigger Switch Extension Harness | 1 |
| **Optional Equipment** | | |
| 90890-06906-00 | K-Line Extension Harness 16' (5m) | 1 |
| 90890-06900-00 | Command Link/Command Link Plus DEC Checker Harness Kit | 1 |
| 90890-06886-00 | Signal Tester Kit | 1 |
| 90890-06979-00 | CAN Line Conversion Harness (Required for BPS Scan) | 1 |

Note1: One A/B type USB cable, to connect the adapter module to a USB port on a laptop computer, is supplied with the hardware kit. Replacement A/B (printer) type USB cable, in various lengths, can be purchased from local sources.




**YDIS Smart**

The YDIS Smart adapter uses Bluetooth® technology to establish wireless communication between compatible Yamaha outboards and your smartphone, via the K-Line on the engine. The new mobile application provides quick access to essential menus necessary for accurate troubleshooting. The YDIS Smart application is available on the App Store for Apple® iOS and Google Play Store™ for Android® operating systems. A previously purchased YDIS 2.2 PC version installation key is required to install the app.

***LIT-YDISM-AR-T0***

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## Cleaning Chemicals




**Spray Polish**
This quick detailer will restore a lustrous shine to paint, chrome, glass and smooth plastics like visors, windshields, and gauges. Gives textured plastics, rubber and vinyl a beautiful satin finish. Anti-static properties repel dust and dirt to keep that shine.

14 oz. Can (Qty. 12*) ***ACC-SPRAY-PL-SH***




**Yamacoat™**
A high-quality plastic coating. Helps maintain the color and surface finish of plastic for that "factory" look. Use an even spray on components to be treated. Once spray is applied, wipe off with a clean, dry cloth. Can also be left wet to help inhibit adhesion of mud and dirt to make cleanup easier.

10 oz. Can (Qty. 12*) ***ACC-YAMAC-OA-TC***




**Yamaclean® Pro-Wash Spray**
Yamaclean® Pro-Wash Spray is a biodegradable vehicle spray wash that removes grime and soil. Rinses clean and helps keep your boat looking new.

32 oz. Bottle (Qty. 12*) ***ACC-YAMAC-PW-SP***




**Yamaclean® Pro-Wash Spray Concentrate**
Special concentrated formula for use in pressure washer soap tanks. A biodegradable vehicle wash that removes grime and soil. Rinses clean and helps keep your vehicle looking new. Safe for use on most surfaces when used as directed.

1 Gallon Bottle (Qty. 4*) ***ACC-YAMAC-PW-GL***

** Ordered individually with a minimum order quantity*

## Tire Repair and Supplies

**TirePro™ Dial Tire Gauge by CruzTOOLS®**
The TirePro™ gauge has a 12” flexible hose that makes even hard-to-get-to valves less of a task. Readings are held until released, and a built-in valve lets you bleed air to the desired pressure. The dial is protected by a rubber boot and readings are in both psi and kPa.

***ACC-0SS58-40-69***



**Tire Mount Lube**
Specially formulated lubricant that allows you to change tires on the rim quickly with less chance of damage. Use on any rim-mounted tire to provide a lubricated surface that eases tire installation while helping to protect the tire bead from damage. Preventing damage to the tire bead improves its sealing ability.

16 oz. Can (Qty. 12*) ***ACC-TIREM-TL-UB***




## Locks and Security

**McGard® Wheel Locks**
McGard®’s easy to use, one-piece wheel lock functions like a regular lug nut, but requires a special key tool for installation and removal. Its design allows for an unlimited number of different computer generated lock and key patterns. This unique wheel lock system is continually being refined and improved upon. McGard® Locks are made right here in the United States to meet or exceed O.E.M. standards for safety and durability

Single Axle Trailer (2 locking nuts): ***MAR-TRLK7-40-42***

Dual Axle Trailer (4 locking nuts): ***MAR-TRLK7-40-41***



** Ordered individually with a minimum order quantity*

## Trailer Repair Supplies



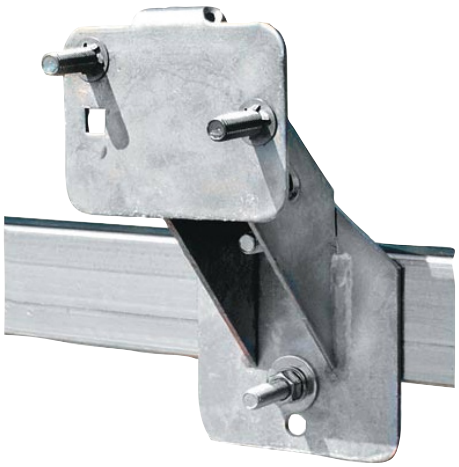

**Brake Fluid**
This high-quality hydraulic brake fluid meets DOT 4 specifications and is the only brake fluid currently recommended for use in Yamaha products.
8 oz. Bottle

(Qty. 12*) ***ACC-BRAKE-FL-UD***



**3300 Lb. Hand Winch Strap**
Marine winch strap with forged snap closure hook . Sewn loop for bolt placement in winching system. Strong 2"-wide black polyester webbing.

2” x 25’ ***SBT-BOWST-RP-11***



**Spare Tire Carrier**
Zinc plated. Clamps to the trailer frame with no drilling. Uses same size lug nuts as stock trailer lug nuts. All necessary mounting hardware included. Fits all standard boat trailers.

***SBT-SPARE-TC-08***

** Ordered individually with a minimum order quantity*

## Tie Downs and Straps

**Yamaha Deluxe 2-Foot Transom Ties**
Quality transom tie downs with an attractive price. Similar to what is supplied from the factory on Yamaha boats, these transom ties are made of 2" wide, weather-resistant polypropylene webbing with heavy-gauge, zinc-plated hardware and rubber coated “J” hooks to protect the transom of your boat. Oversized handle makes for easy locking and unlocking. Sewn-on hook-and-loop fasteners help secure the loose end of the strapping. Excellent for securing your Boat to the trailer at an affordable price. Sold in pairs.

***SBT-TRNSM-TD-08***




**Yamaha Cam Buckle Tie Downs**
1" x 6' tie downs with 1" cam lock buckle. Straps are rated for 400 lb. working and 1200 lb. break strength. (Sold in pairs.)

Black ***ACC-0SS58-40-27***

Blue ***ACC-0SS58-40-28***




**Yamaha Ratcheting Tie Downs**
1" x 6' tie downs with 1" rubber handle ratchet. Straps are rated for 400 lb. working and 1200 lb. break strength. (Sold in pairs.)

Black ***ACC-0SS58-40-29***

Blue ***ACC-0SS58-40-30***




**Heavy-Duty Re-Tractable Ratcheting Tie Downs**
1”-wide tie down is rated at 1500 lb. with a WLL (Work Load Limit) of 500 lb. and the 2”-wide model is rated at 4000 lb. with a WLL of 1333 lb. (Sold in pairs.)

1” Wide ***ACC-0SS58-40-17***



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## Anchors




**Boat Sand Stake Kit**
If you would like to anchor your Yamaha boat on a sandy beach, simply screw the stake into the sand, remove the handle, and attach the 25 feet of heavy-duty rope. A storage bag is also provided.

***MAR-SANDS-TK-KT***




**Yamaha Heavy-Duty Boat Anchor Kit**
This anchor kit is specifically designed with the larger boats in mind. This kit includes an 11 lb., vinyl-coated anchor and chain which helps prevent corrosion as well as scratched hulls. A 100-foot rope with a snap hook is included along with a convenient storage bag.

***MAR-ANCHR-KT-00***



**Complete Folding Grapnel Anchor Kit**
This complete anchor system is in a class by itself. The 3-1/3 pound 4-fluke folding anchor will hold in mud, sand, gravel, and rock. It's designed for temporary mooring of small boats, sailboats, personal watercraft, inflatable boats, canoes, and float tubes. The anchor is coated to protect finishes. The durable nylon storage case is padded for added protection and to dampen noise while the anchor is stowed. Fits under most boat seats. The 25 ft. long marine-grade rope, with an in-line buoy, is spliced to the anchor and a heavy-duty stainless steel snap hook.

5.5lb - ***VDF-A7452-63-17***
3.5lb - ***VDF-A2000-00-17***



**Mushroom Anchor**
This 8 lb. mushroom anchor comes with 15 feet of nylon rope, a high visibility plastic float, and a plastic clip. This setup is perfect for anchoring in shallow water.

***MAR-ANCHR-MR-08***

## Anchors



**14-LB. Yamaha Boat Anchor Kit**
This S920 Danforth® Yamaha kit features a 1/2”x 200’ rope and 8’ stainless steel chain and shackles.

***SBT-YS920-00-19***



**Boat Anchor Kit**
This Yamaha Boat Anchor designed specifically to fit the anchor storage of your boat. Kit includes a galvanized 10-Danforth® style anchor a 6-foot chain shackled 100 feet of standard nylon rope that‘s sinkable for convenient setting.

***SBT-ANCHR-KT-08***



Black Colored Chain ***SBT-ANCHR-BK-12***

**Tri-Fluke Anchor**
The tri-fluke design of this river anchor allows the flukes to penetrate the river bottom in soft and moderate conditions, to engage rocks and structure in rivers and current. The river anchor is a great all-purpose anchor for lighter craft, or a great second anchor. Weight: 20 lb.

(Not Shown) Black ***SBT-520BK-20-12***
(Not Shown) Red ***SBT-520RD-20-12***



(Shown) Blue ***SBT-520BL-20-12***

**Richter™ Self Releasing Anchor**
Performance in rocks mud, weeds, and sand is superior to traditional anchors and requires less anchor line. Weight: 18 lb.

***SBT-618B2-18-12***



## Fenders




**Yamaha 24-Inch Boat Contour Fender**
These contour fenders stay put and stow conveniently under boat seats. They hinge to wrap around the gunwale and hull, following the contours of the boat. Constructed of a durable marine grade tri-laminate cover, with closed cell foam inside. There's a tough polycarbonate grommet at each end for hanging from cleats. (Sold Individually. 24" long x 6" wide x 2-1/2" thick)

Blue ***MAR-HHFND-ER-BL***

Black ***MAR-HHFND-ER-BK***



**No-Slip™ Fender Straps**
No more tying and untying knots! Attach boat fenders to rails and cleats quickly and securely with these fender straps. The No-Slip™ pads sewn to the underside of the straps minimize sliding along rails. Easily adjust the length in seconds from 6 inches to 40 inches to fit most boats and docking situations.

(Set of 2) ***MAR-FNDRS-TR-AP***



**Suction Cup Fender Straps**
Great for Boats and Personal Watercraft. Attach your boat fenders exactly where you need the protection. Giant 3-1/4" suction cups attach to gelcoat or windshields quickly and easily. Perfect for most boats and personal watercraft where cleats never seem to be where you need them. Durable 1" wide straps adjust up to 24" long. Fenders not included.

(Set of 2) ***SBT-SF1C0-00-10***

## Fenders

**Yamaha Fenders**
These high-quality fenders help to protect the boat when secured to the dock or another boat. These come equipped with four feet of rope. (Sold individually.)

16" White ***MAR-FENDR-WH-16***
16" Blue ***MAR-FENDR-00-16***
20" White ***MAR-FENDR-WH-20***
20" Blue ***MAR-FENDR-00-20***
23" White ***MAR-FENDR-WH-23***




**Yamaha XL Boat Fenders**
Designed specifically for Yamaha Boats these fenders help protect your boat while secured to other boats or docks. 24”x10”, includes dock lines.

Black ***SBT-FENDR-BK-23***
White ***SBT-FENDR-WH-23***




**Marina Bumper By Hull Hugr™**
These heavy-duty commercial grade bumpers are great for commercial marinas and personal docks. They’re manufactured from UV and tear resistant vinyl/polyester tri-laminate and are filled with high-density closed- cell foam. The Stainless Steel grommets are spaced along the full length of each bumper for secure mounting to docks. Measures 8” wide x 6” deep.

60” ***VDF-HHA60-67-17***



**Roll Up Fenders by Hull Hugr™**
The patented design allows you to fold up the fender compactly, making it easy to stow or use as a seat cushion. Six blocks for durable closed cell foam are sealed inside. For use with higher profile boats, including cruisers, performance boats, pontoons, deck boats, sailing yachts and households.

HH-L & LW 9’ long x 26” tall, 6-24” x 6” x 2-1/2” foam bumpers, folds to 26” x 18” x 6”
Blue - ***VDF-HHL60-72-17***

HH-S & SW 7 1/2’ long x 15” tall, 6- 12” x 6” x 2” foam bumpers, folds to 15” x 15” x 4”
Blue - ***VDF-HHS60-58-17***



## Fenders



### Hull Hugr™ Contour Fender

Traditional round fenders can roll up, leaving your boat unprotected, and are bulky to stow. Boats with step-down gunwales are especially vulnerable to dock damage. The contour fender stays out, stows conveniently under boat seats and wraps around the gunwale and hull, following the contours of the boat.

White ***VDF-0010H-H1-17***

Blue ***VDF-HH1C0-00-17***

Black ***VDF-HH1CB-00-17***



### Hull Hugr™ XL Contour Fenders

Traditional round fenders tend to roll up from contact with docks, leaving your boat unprotected. They're also bulky to stow. Boats with step down gunwales are especially vulnerable to damage from docks. Hull Hugr™ Contour Fenders stay put and stow conveniently under boat seats. They hinge to wrap around the gunwale and hull, following the contours of the boat. All Hull Hugr™s are constructed with a tough marine grade rip proof trilaminate cover, with closed cell foam inside. Durable polycarbonate grommets at each end allow you to hang them from cleats. (Sold Individually.) (30" long x 6" wide x 4" thick)

Blue ***VDF-HH30C-00-17***

Black ***VDF-HH30C-B0-17***

## Ropes and Dock Lines

### Dock Lines

These dock lines are made of multi-filament, solid braid polypropylene. Floats if accidentally dropped in water and resists salt water, oil, gas, UV rays, and mildew. (Sold individually.)




| | 12 Foot 3/8 in. Diameter | 15 Foot 3/8 in. Diameter | 20 Foot 1/2 in. Diameter |
|---|---|---|---|
| **Yamaha Branded** | | | |
| White | MWV-DLDE3-12-WH | MWV-DLDE3-15-WH | SBT-DLDE1-20-WH |
| Silver | MWV-DLDE3-12-SL | MWV-DLDE3-15-SL | SBT-DLDE1-20-SL |
| Black | MWV-DLDE3-12-BK | MWV-DLDE3-15-BK | SBT-DLDE1-20-BK |
| Red | MWV-DLDE3-12-RD | MWV-DLDE3-15-RD | SBT-DLDE1-20-RD |
| Blue | MWV-DLDE3-12-BL | MWV-DLDE3-15-BL | SBT-DLDE1-20-BL |
| **Non-Branded** | | | |
| White | | MWV-DLDG3-15-WH | SBT-DLDG1-20-WH |
| Silver | | MWV-DLDG3-15-SL | SBT-DLDG1-20-SL |
| Black | | MWV-DLDG3-15-BK | SBT-DLDG1-20-BK |
| Red | | MWV-DLDG3-15-RD | SBT-DLDG1-20-RD |
| Blue | | MWV-DLDG3-15-BL | SBT-DLDG1-20-BL |

### Greenfield Stretch N' Slide® Multi-Loop Versatile Dock Line

Without question, Stretch N' Slide® is the world's most versatile and easy to use dock line. Innovative multi-loop bungee allows a perfect fit for any span to 7'. Simply place the end loop over a cleat, then stretch and tighten down the slider, and, finally, select the appropriate loop to place over the second cleat. Stretch N' Slide® makes docking quick and easy for any craft from PWC to large boats. Stretch N' Slide® is also the ultimate solution for rafting boats together for a party chain. Shock-absorbing bungee allows an entire chain of boats to move and flex together with ease. Temporary docking only.

***SBT-SNSLN-00-12***



### Airhead® Bungee Dock Lines

Airhead® Bungee Dock Lines absorb shock to boats, cleats, docks, pylons and other hardware. The bungee cord is hidden inside the rope and acts as a built in snubber. Two foam floats help protect the boat from chafing. There's a sliding adjustment at both ends for quick docking. Recommended for docking boats up to 4000 pounds. Tensile strength is 2150 pounds. Black/Blue/Red color scheme. (Sold Individually.)

4 ft., stretches to 5 1/2 ft. ***VDF-AHDL4-00-17***
5 ft., stretches to 7 ft. ***VDF-AHDL5-82-17***
6 ft., stretches to 9 ft. ***VDF-AHDL6-00-17***



## Ropes and Dock Line




**Yamaha Fender Line**
This 5', 3/8" diameter dock line is made of multi-filament, solid braid polypropylene. floats if accidentally dropped in water and resists saltwater, oil, gas, UV rays and mildew. Sold Individually

***MAR-FENDR-LN-BL***




**1~2 Rider Tube Tow Rope**
This tube tow rope has two sections, giving you the option to be either 50 or 60 feet behind the boat depending on wake and water conditions. The pre-stretched, UV-resistant 7/16" diameter 16-strand rope exceeds the 2375 lb. break strength required by the WSIA for 2-rider tubes. A rope keeper is included for convenient storage.

Blue ***MAR-TUBER-OP-06***

Red ***SBT-TUBER-OP-10***




**3~4 Rider Tube Tow Rope**
This 4-rider tube tow rope has 2 sections, giving you the option to tow either 50 or 60 feet behind the boat depending on wake and water conditions. The pre-stretched UV-resistant 5/8" diameter 16-strand rope exceeds the 4150 pound break strength required by the WSIA for 4-rider tubes. A 6" foam float is provided for extra buoyancy. A rope keeper is included for convenient storage.

***SBT-TUBER-P0-07***



**Yamaha 4-Section Performance Water Ski Rope**
This 75-foot long rope has four sections (40', 10', 10', 15') to meet the needs of skiers and riders of all skill levels. The 13" aluminum core handle has a performance EVA "amoeba" grip and full-length molded finger protectors. Top quality UV-treated 16-strand 1600 lb. tensile strength rope. A Rope Keeper is included for tangle-free storage.

***SBT-SKRP0-00-07***



**Airhead® Kwik-Connect™ Tow Rope Connector**
Conveniently attach and detach tube tow ropes to towables with Airhead's® Kwik-Connect™. There's no need to thread 60 feet of rope through the tow strap each time you connect or disconnect a tow rope. The high-impact Kwik-Connect™ has a 1-inch diameter hole to accept up to 6000 lb. break strength tube ropes. Recommended for 1- to 4-rider towables that are not equipped with Kwik-Connect™.

***VDF-AHKC1-00-17***

## Tow Line, Floats and Tow Harness



**Emergency Tow Line**
Tow line consists of a 15-foot long tow line with a nylon quick connect at each end that allows fast, easy hook-ups. For slow-speed emergency towing only.

***MWV-TOWLI-NE-15***



**Yamaha Rope Float**
This rope float can be used to create a custom rope to suit your own personal needs.

(Sold Individually) ***MAR-ROPEF-LO-AT***

**Ski Rope Floats**
Developed to help keep ski ropes away from the propeller on your boat or to help prevent them from being ingested by the pump. Run your ski rope through the middle of the nylon-covered, closed-cell foam tube before attaching to the tow eye. Yamaha logo silk-screened on one side.




48” Black ***MAR-RPFLT-BK-48***
48” Blue ***MAR-RPFLT-BL-48***
24" Black ***MAR-RPFLT-BK-24***
24” Blue ***MAR-RPFLT-BL-24***

**Centering Tow Harness**
This 3000-pound-tensile-strength tow harness is perfect for pulling skiers and wakeboarders, as well as 1- or 2-rider towables. A stainless steel pulley glides along the length of the rope to provide the optimum pull at all times. Simply clip it onto your boat with the 5000-pound-tensile-strength hooks provided, and attach your ski or tube rope to the heavy duty Kwik-Connect™. The 6" float keeps the Kwik-Connect™ floating. It‘s 12' long to fit pontoon and larger boats.

***VDF-AHTH3-00-17***



## Tubes and Inflatables







**Yamaha Single Rider Tube Kit**
This kit features a 54” diameter deck tube with four deluxe handles and neoprene knuckle guards and is equipped with a Boston valve for convenient inflating and deflating. Package includes a portable 12-volt pump to inflate quickly and effectively, a color matched 16 strand tube tow rope and reinforced tow harness, drain vents, and boarding straps.

Gray ***SBT-GYSRK-GY-22***
Yellow (New) ***SBT-GYSRK-YW-21***




**Yamaha 3- Rider Deck Tube**
This high performance three-rider towable has fins on the top to help riders stay on the tube and out of the water. Features six deluxe nylon-wrapped handles with neoprene knuckle guards to provide a sure and comfortable grip and a 30 gauge virgin PVC bladder fully covered with an 840D double stitched nylon cover. The heavy-duty Kwik connect provides easy and secure hook-ups while the Boston valve provides convenient inflation and deflation. Measures 78” x 75” (deflated); Weight limit: 340 pounds.

***SBT-GY3TB-GR-21***




**Yamaha 2- Rider Deck Tube**
This deck tube is a wild ride for up to two thrill seekers. Features topside stabilizer fins, four deluxe nylon-wrapped handles with neoprene knuckle guards to provide a sure and comfortable grip, tough heavy- gauge virgin PVC bladder and fully covered with a durable double-stitched nylon cover. Equipped with a heavy-duty Kwik-Connect™ for easy and secure tow-rope hook-ups and speed safety valve provides convenient inflation and deflation. measures: 64” x 60” (deflated): Weight limit: 340 pounds.

***SBT-YHGF2-00-17***

## Tubes and Inflatables




**Yamaha Single Sport Tube**
You are sure to love the eye-catching graphics on this 54” round towable. The four neoprene knuckle guards and deluxe nylon covered handles provide a sure and comfortable grip. Self-draining floor vent. Features a reinforced internal tow harness, and Boston valve for quick inflation/deflation.

***SBT-YHBL1-RD-18***




**Yamaha 2-Rider Winged Deck Tube**
Get way up on edge with this U-shaped winged towable when riders shift their weight. Thicker at the front to prevent submarining and thin at the back to make it easier to climb on from the water, Deluxe handles with neoprene knuckle guards to provide a sure and comfortable grip, Two oversized neoprene pads are strategically located to protect knees and elbows, Durable 30 gauge reinforced welded PVC bladder completely wrapped in double-stitched 840 denier nylon, Heavy-duty Kwik-Connect™ provides easy and secure tow-rope hook-ups, Boston valve makes it easy and fast to deflate and inflate, Measures 73” x 61” deflated, 340 lb. weight limit.

***SBT-YHMX2-00-17***




**Yamaha Floating Island**
1-6 person linkable, floating island with a patented speed safety valve for easy inflating & deflating. Also Features heavy-duty radio frequency welded seams and a dual color reversible design. 6’ x 10’ (deflated size).

***SBT-AIRIL-00-23***

## Inflatable Pumps and Valves




**12-Volt Air Pump**
This high-volume (290 liters/minute) 12-volt portable air pump inflates and deflates towables, boats, pools, mattresses, and beach toys quickly and effectively. Most pumps on the market don't put out this kind of air pressure and volume (9.6 cu. f t./ min. 0.8 psi). The universal valve fittings fit all popular valves. For added convenience, the cigarette lighter/12-volt power port plug is equipped with a 10' long power cord.

***MAR-12VPU-MP-06***




**Airhead® 120 Volt Hi-Pressure Air Pump**
A Pressure Release Valve is included to limit pressure to 1.4 psi for preventing over-inflating towables, pool toys and other vinyl and nylon covered inflatable items. Four universal valve fittings fit all popular valves and lock onto the hose. For added convenience, there's a carry handle and a 10' long power cord. Draws 6.1 amps /730 watts. Volume is 460 liters/minute.

***VDF-AHP12-0H-17***

## Battery Chargers and Battery Switches

**Emergency On-Demand Jump Starter By VOXX™**
An Emergency on-demand jump starter that gives you peace of mind all the time. The VPS is wired directly to the main battery. As the Boat is on, the VPS pulls a trickle charge to its Lithium Iron Phosphate battery, ensuring it's always fully charged.

***MAR-JUMPB-OX-22***




**Ecojump By Ecoxgear®**
Safe and powerful jump starter. Includes high quality jump start cables for easy and reliable attachment to your vehicles 12 battery terminals.

Features:

- 12 volt / 55,500 mWh / 500A Jump Starter
- 100% waterproof and shockproof
- USB Charge ports for device charging
- Built-in 200 lumen LED light with 3 different modes
- Integrated hazard strobe light for emergency situations
- Free Downloadable App to monitor battery charge status via Bluetooth® on your smartphone or tablet.

***SBT-ECXJU-00-21***




**Marine Dual Battery Kit**
This kit is a must-have when adding additional electronics to your boat (stereo upgrades, bars, etc.). This kit comes complete with a BEP Marine Battery 701S™ Battery Switch, a BEP Marine Voltage Sensitive Relay (VSR), and a GIL Marine® Composite Battery Box plus all necessary wiring and hardware. This kit will allow you to keep one battery isolated at all times for reserve purposes. The VSR will allow the engines to charge battery #1 until it is topped off at 13.7 VDC, then automatically switch over to battery #2 to charge it. Turn the knob on the battery switch to select using battery #1 by itself, battery #2 by itself, or both batteries together in parallel. You can also switch off battery current altogether. Professional installation recommended. Marine batteries not included. Fits any single battery boat with room for another group 24 battery.

***SBT-DUALB-AT-08***



## Magma® Grills and Accessories




**Catalina II Classic Gas Grill**
The new Catalina II Gas Grill is versatile, portable, and perfect for feeding a large crew. New features include: a completely redesigned combustion system that keeps the grill lit even in heavy winds, a hermetically sealed thermometer and a dependable electronic ignition system, powered by a single "AAA" battery (included). Constructed entirely of 18-8 mirror-polished stainless steel. The primary and secondary grilling surfaces give you the option of searing, slow cooking, or warming. Equipped with fold-away tabletop legs for go-anywhere use. The swiveling control valve/regulator, designed to use 1lb. disposable propane fuel canisters, allows for quick, safe fuel canister exchanges or easily adapt the grill to existing on-board low pressure propane (LPG) or natural gas (CNG) fuel systems. Serves 6-8 people.

***SBT-A1012-18-20***



**8x17 Stainless Grill Tray**
This 8" x 17" grill tray is made entirely of 18-9 marine grade stainless steel and comes with a convenient, insulated, removable handle. The removable handle simplifies grilling, serving, storage, and allows the tray to be used as an oven pizza tray or cooking sheet. Oven safe and dishwasher friendly. Serves 4-6 people.

***SBT-A1029-70-00***




**Catalina Grill Cover**
This grill cover is designed specifically to fit any Magma® rectangular grill with a 12" X 18" grilling surface. Constructed from a breathable solution dyed acrylic fabric that is water and fade resistant. Cover features a convenient draw string and cam lock assembly keep it secured while underway or in windy conditions.

***SBT-A1012-9B-K0***




**Magma® Padded Grill & Accessory Carrying / Storage Case**
Designed to store all of your grilling gear in one space-saving location, this bag is outfitted with a large storage compartment for a grill and pockets for storing a serving shelf, griddle or a fish/veggie tray. It also includes an additional side pocket for storing up to (2) 1-pound propane canisters and (2) control valve/regulators. Additional features include thick padding for maximum protection and heavy-duty carrying handles and a padded strap.

***SBT-GRILL-BG-11***

## Magma® Grills and Accessories

**Magma® Newport™ Gourmet Gas Grill**
Just the right size for grilling up to eight large hamburgers, the Newport™ Gourmet Gas Grill is a finely crafted appliance. Fold-away legs make this the go-anywhere grill to enhance all of your outdoor activities. Its performance and safety features will certainly exceed expectations as it grills quickly and evenly and disassembles easily for cleaning. Uses inexpensive, disposable one-pound propane cylinders or adapts to onboard LPG (propane). Mount not included and sold separately. NOTE: Mount fits 2013 and newer boat models only.

Grill ***SBT-NEWPO-RT-11***
Mount ***SBT-NPGRL-MT-14***




**Newport Storage Case**
Storage case designed specifically to fit any Magma® rectangular grill with a 9” X 12” grilling surface and is able to store all of your grilling gear in one space saving location. Includes a removable internal section in the main compartment for carrying up to (2) 1lb. propane canisters. Designed to fit a grill with 9x18 grilling surface.

***SBT-C1098-8B-00***




**Newport Grill Cover**
This grill cover is designed specifically to fit any Magma® rectangular grill with a 9” X 18” grilling surface. Constructed from a breathable solution dyed acrylic fabric that is water and fade resistant. Cover features a convenient draw string and cam lock assembly keep it secured while underway or in windy conditions.

***SBT-A1099-BK-00***



## Magma® Grills and Accessories



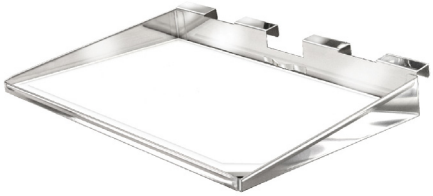

**Magma® Trailmate™ Gas Grill**
Enhance your outdoor activities with this compact, go-anywhere TrailMate™ Gas Grill. This is perfect grill for any small crew or gathering and features fold-away legs and 108 sq. in. grilling area. The TrailMate™ is made of mirror-polished, marine-grade 18-9 stainless steel for dependability and is wind-tested for even heat distribution. Its fuel-efficient design uses standard, disposable one-pound propane canisters. The TrailMate™ uses single-mount mounting hardware only. Mount sold separately. Measures: 9" x 12". Note: Mount fits 2013 and newer boat models only.

Grill ***SBT-TRAIL-GL-12***
Mount ***SBT-TMGRL-MT-14***




**Trailmate™ Storage Case**
Conveniently store and transport your grill and accessories in Magma's® luggage quality Padded Storage and Carrying Case. Case is outfitted with a large storage compartment, to fit Magma® and most rectangular grills with a 9"x12" grilling surface, and a separate internal pocket for storing a serving shelf and/or grilling utensils. Includes a removable internal section in the main compartment for carrying up to (3) 1 lb. propane canisters.

***SBT-C1098-8A-00***



**Serving Shelf**

This 18-8 mirror polished marine grade Stainless Steel serving shelf includes a removable cutting board. The shelf installs instantly making clean up and storage a breeze. Conveniently stores inside of your grill when not in use.

***1***8" Wide ***SBT-A1090-20-00***
fits 9" x 18" or Larger Rectangular Grills.

12" Wide ***SBT-A1099-10-00***
fits 9" X 12" or Larger Rectangular Grills.




**Trailmate™ Grill Cover**

This grill cover is designed specifically to fit any Magma® rectangular grill with a 9" X 12" grilling surface.

Constructed from a breathable solution dyed acrylic fabric that is water and fade resistant. Cover features a convenient draw string and cam lock assembly keep it secured while underway or in windy conditions.

***SBT-A1089-BK-00***

## Magma® Grills and Accessories



**Party Size Marine Kettle® Gas Grill**
This grill was designed for economy without sacrificing. functionality and quickly disassembles without tools for easy clean-up. Compatible with the Marine Kettle® Pow'r GripFish Rod Holder Mount.

***SBT-A1021-50-00***




**Marine Kettle® Storage Case**
The Marine Kettle® Storage Case is outfitted with a large storage compartment and a separate internal pocket for storing a serving shelf and or grilling utensils. Includes removable internal section in the main compartment for carrying up to (4) 1 lb. propane canisters.

***SBT-1099-10-00***



**Marine Kettle® Grill Cover**
This grill cover is designed specifically to fit any original size Magma® Marine Kettle® grill. Constructed from a breathable solution dyed acrylic fabric that is water and fade resistant. Cover features a convenient draw string and cam lock assembly keep it secured while underway or in windy conditions.

***SBT-A1049-2B-K0***

## Magma® Grills and Accessories




**Double Locking Stowable Pedestal Mount**

Magma'®s 28" locking pedestal mount for rectangular grills and single mount filet tables has a double locking mechanism that insures a secure fit for your boat or home application. The Pedestal post locks into the surface mounting base and grill mounting bracket with (2) single pushbuttons; allowing the entire assembly to be instantly installed or removed.

Requires the Magma® LeveLock® Adjustable All-Angle Accessory for Magma® Pedestal Mount to work with the following grills: Trailmate, Newport & Catalina II.

***SBT-T1018-50-00***



**Magma® Single Levelock® Flush Deck Socket Mount**

This mirror-polished 18-8 stainless steel and hard-anodized aluminum mount features Magma®'s Levelock® all-angle, adjustable locking mount, a pushbutton locking pin and a flange gasket with integral flip-up water seal cap. Fasteners required for installation (not included).

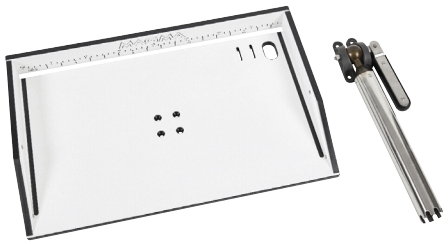
***SBT-FLDEK-MT-12***




**Magma® 5-Piece Professional Grill Tool Set**

The Magma® 5-Piece Professional Grill Tool Set features four telescoping professional quality grilling tools made of mirror polished, marine-grade 18-9 stainless steel and a carrying case with a rubberized, soft-touch handle for an easy, secure grip. Tools adjust to three different operating lengths to meet any griller's needs and collapse for compact storage in the carrying case (included).

***SBT-UTENS-5P-12***



**Bait/Filet Mate™ Table With Levelock® Mount By Magma®**

This 20" x 12-¾" table and mount features an engraved Magma® logo and handy ruler, increasing visibility when measuring the day's catch. Grooved sides and a slotted table back provide onboard drainage during cleaning or prep. The Levelock® all-angle fishing rod holder mount with quick-release cam action also folds flat for storage, and the 1-1/2" (38mm) 304 stainless steel tube has eight rotational positions and fits most cross-pin type rod holders. Made of 100% UV-stabilized compression molded high-density color core polyethylene and FDA approved for food preparation and service. Also features plier storage and two redesigned knife holsters. Will not crack, peel, mildew, or absorb bacteria or fish odors.

***SBT-T1031-B0-17***

## Magma® Grills and Accessories



**Levelock® Adjustable All-Angle Accessory For Magma® Pedestal Mount**
This mounting bracket allows you to conveniently level and support your Newport, Trail Mate or Catalina Classic II grill when connected to Magma'®s Double Locking Stowable Pedestal Mount.

***®SBT-T1019-20-00***



**Pow'r Grip/LeveLock® Rod Holder Mount**
This rugged stainless steel mount adjusts and locks in place at both ends ensuring that your Magma® rectangular grill or filet table will stay securely in place. Fits most cylindrical type rod holders and its unique quick disconnect system allows instant installation or storage after use without tools.

***SBT-T1037-50-00***



**Marine Kettle® Pow'r Gripfish Rod Holder Mount**
The Marine Kettle® rod holder grill mount fits most cylindrical type rod holders and allows grills to mount in any direction from the rod holder. Unique quick disconnect system allows instant installation or storage after use without tools. Rod holder not included.

***SBT-A1017-50-00***

## Coolers




**Engel® Coolers**
Engel® 25/35/45 High-Performance Coolers are roto-molded for toughness and durability. They are filled with 2 inches of insulation in the lid and on the sides and the bottom, helping to retain cold and ice for up to 8 days. The all-silicone gaskets create a near airtight seal that is durable and will never lose its shape.

25 ***SBT-ENG25-WH-20***
35 ***SBT-ENG35-WH-20***
45 ***SBT-ENG45-WH-20***




**Yamaha Inflatable Floating Cooler**
The Yamaha Inflatable Floating Cooler is an insulated leak-proof nylon cooler that is removable from the inflatable base by simply lifting on the adjustable shoulder strap. It keeps 12 cans or bottles and ice cold for hours. The 6 drink holders in the floating base are marked with numbers to help you and your friends keep track of your drinks. A molded plastic rope connector is sewn to the durable nylon cover for tying up to your WaveRunner®, boat, dock, etc.

***MAR-FLTCL-ER-06***



**Yamaha Soft Side Cooler**
This cooler is ideal for keeping your beverages and snacks cool. Features include zippered storage compartment easily holds 24 cans plus ice, waterproof liner and high-density insulation keeps ice longer and contents cooler. Unique adjustable securing panel helps hold contents in place while in motion. Includes a shoulder strap and a Yamaha logo bottle opener. Approximate dimensions: 18” L x 7” W x 12” D.

***B8K-F847U-V0-00***

## Boat Starter Kits




**Yamaha Boat Starter Kit**
Here's a convenient way to get started with supplies you need for your Yamaha Boat. Kit provides four U.S. Coast Guard Approved/UL Listed PFDs that are adjustable to fit most adults (sizes small to large), plus an approved Type IV throwable flotation device, and a generously sized nylon case to store them in when you aren't boating. Kit also includes a 3.5-oz. air horn and an easy-to-pack first aid kit. For your docking needs, the kit has two black Yamaha 24" Boat Contour Fenders, two No-Slip Fender Straps (shown attached to cleats, not included), and four white 15-foot dock lines. Accented with the Yamaha logo.

Yamaha ***SBT-BOATK-IT-08***




**Yamaha Boating Starter Kit**
Refreshed and Re-branded for 2021, the Yamaha Boating Starter Kit has all of your on the water essentials in one bag. Boating Starter Kit includes: (1) Yamaha Branded Wet/Dry storage bag, (4) Yamaha Branded PFD's, (1) Yamaha Throwable Cushion, (4) Yamaha Double Braided Dock Lines, (1) First Aid Kit and (1) Air Horn with Top, 3.5 oz can.

***SBT-SBKIT-RD-21***

## General Boating Accessories and Upgrades



**Outboard Kill Switch Keys by Airhead**
Without a kill switch key, you'll be unable to start your engine. Most marinas don't stock replacement's, so be prepared and carry a spare. The lanyard has seven keys to fit multiple kill switches. It's equipped with a swivel snap hook to prevent tangles and rust free stainless-steel crimps.

***VDF-BKS62-84-17***



**Yamaha Kidney Shape Table**
Want to upgrade your stock table to a larger size? This big table offers more functionality, with a kidney shape so it is easy to maneuver around it, yet it still fits in the stock storage location on your Yamaha Boat. It also has three cup holders instead of two as on the stock table. Designed as a direct replacement, this table is made of the same acrylic capped ABS material as the stock table, and uses the same hardware. Requires transfer of the pedestal base from the stock table.

***SBT-KDNYT-BL-08***




**Yamaha Emblem**
Show your Yamaha pride on your vehicle with these new high quality 3D metal logo decals. 16" x 3.2". (Sold as a set of 2.)

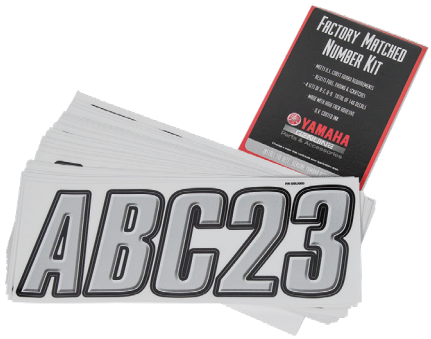
***SBT-DECAL-3D-08***



**Tuning Fork Emblem**
Factory Yamaha emblem.

***F0C-U411H-00-00***

## General Boating Accessories




### Series 800 Registration Kits

3” Block style, solid body with bevel effect, contrasting outline, Kits include four sets of A-Z and 0-9, Choose from four color combinations. Meets USCG requirements.

Blue/Black ***SBT-BLBLK-80-13***

White/Black ***SBT-LTBLK-80-13***

Red/Black ***SBT-REBLK-80-13***

(Shown) Silver/Black ***SBT-SIBLK-80-13***




### Premium Registration Kits

3" Block style, solid body contrasting outline. All kits include four sets of A-Z and 0-9. Choose from color combinations or solid options below. Meets USCG requirements.

Black/Beige ***SBT-BLBKE-70-11***

Blue/Black (shown) ***SBT-BLBLK-70-11***

Chrome/Black ***SBT-CHBLK-70-11***

Silver/Black ***SBT-SIBLK-70-11***

Red/Black ***SBT-REBLK-70-11***

Solid Black ***SBT-BLK70-00-11***




### Multi Color Registration Kits

Contains four fuel-resistant stickers of each letter (A~Z) and number (0~9). Meets U.S. Coast Guard regulations.

Brown/Black ***MAR-BRBKG -20-89***

White/Black ***MAR-WHBKG -20-19***

Silver/Black ***MAR-SIBKG-20-16***

Blue/Black (shown) ***MAR-BLBKG-20-65***

Yellow/Black ***MAR-YEBKG-20-13***

Red/Black ***MAR-REBKG-20-28***

Chrome/Black ***MAR-CHBKG-20-43***




### Solid Color Registration Kits

Contains four fuel-resistant stickers of each letter (A~Z) and number (0~9). Meets U.S. Coast Guard regulations.

Black ***MAR-BLK35-00-14***

Blue ***MAR-BLU35-00-15***

White ***MAR-WHI35-00-21***

Red (shown) ***MAR-RED35-00-00***

## General Boating Accessories and Upgrades



**Life Line™ Boat Safety Kit**
This boat safety kit contains 4 items. Recommended for all boats. Contents: 15 meter (50 ft.) buoyant heaving line, bailer (watertight container), sound signaling device (pea-less whistle), and watertight flashlight.

***VDF-LL200-00-17***

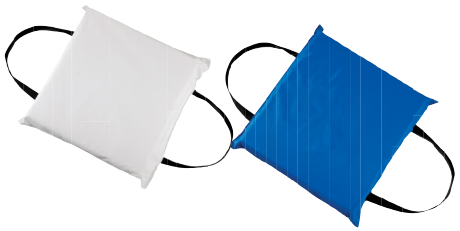



**Telescoping Paddles**
This lightweight paddle adjusts easily to variable lengths with a simple twist. A section of the aluminum shaft disappears inside the blade to allow for ultra-compact storage under boat seats. The corrosion resistant aluminum shaft, hassle free locking device and high-impact molded blade and boat hook handle provide years of service.

(Shown) Yamaha Branded Blue Paddle (20”~45”) ***MAR-DLXPA-DL-42***

Bright Orange Paddle (20”~45”) ***VDF-P1PDL-00-17***

Bright Orange Paddle (25.5”~72”) ***VDF-P3PDL-00-17***



**Yamaha Type IV Throwable Flotation Device**
U.S. Coast Guard regulations require your Yamaha Boat to have a Type IV throwable flotation device aboard. This USCG-approved cushion is constructed of high-buoyancy polyethylene foam with durable nylon fabric.

Non-Branded Blue ***VDF-LIFEP-BL-17***

Non-Branded White ***VDF-LIFEP-WH-17***

## General Boating Accessories and Upgrades

**CIPA® Comp Universal Boat Mirror**
A truly universal 7" x 14" mirror. Features a ball and socket tension adjustment knob that will keep the mirror where you position it. Bracket will mount to rectangular or round-top windshield frames from 3/8" to 1-1/4". Meets Alabama's 78-square-inch law.

***SBT-20000-00-10***



**CIPA® Suction Cup Mirror**
No holes to drill, no tools required, no scratching! Attaches to any clean, smooth, non-porous surface. Dash, console or windshield mount. Fully adjustable 4" x 8" mirror.

***SBT-11050-00-10***



**CIPA® Ellipse Mirror**
4" x 11" multi-lens mirror features one stationary and two adjustable lenses. Also has a ball and socket tension adjustment knob that will keep the mirror where you position it. CIPA®'s windshield frame bracket will mount to rectangular or round-top windshield frames from 3/8" to 1-1/4".

***SBT-20020-00-10***



## Personal Flotation Devices



**Yamaha Value Neoprene 2-Buckle PFD**
U.S. Coast Guard approved PFD includes a two-buckle front-zip closure for additional support and security. Soft, lightweight and durable PE foam flotation closure. Mesh drain panels reduce water retention.

Colors: Navy, Gray and Black. Sizes: XS-3X.

***MAR-22VVN-NV-(XS-3X)***
***MAR-22VVN-GY-(XS-3X)***
***MAR-22VVN-BK-(XS-3X)***



**Yamaha Men's Neoprene 2-Buckle PFD**
U.S. Coast Guard approved. High-quality neoprene construction. Fully segmented foam panels. Durable front-zip entry. Two adjustable straps with side-release buckles for additional support and security.

Colors: Blue, Black and Red. Sizes: SM-2X.

***MAR-22VNE-BK-(SM-2X)***
***MAR-22VNE-RD-(SM-2X)***
***MAR-22VNE-BL-(SM-2X)***



**Yamaha Women's Neoprene 2-Buckle PFD**
U.S. Coast Guard approved. High-quality neoprene construction. Fully segmented foam panels. Durable front-zip entry. Two adjustable straps with side-release buckles for additional support and security.

Colors: Teal, Pink, and Black. Sizes: SM-2X.

***MAW-22VNE-TL-(SM-2X)***
***MAW-22VNE-PK-(SM-2X)***
***MAW-22VNE-BK-(SM-2X)***



**Neoprene PFD with Side Handles**
U.S. Coast Guard approved. Heavy-duty, coated nylon with a convenient side entry. Features front, side and back foam for a comfortable fit. Adjustable straps and three side release buckles for added protection. Dual sizing design. Colors: Grey and Navy.

Sizes: SX- XS/SM, ML- MD/LG, 2L- XL/2X.

***MAR-23HAN-GY-(SX-2L)***
***MAR-23HAN-BL-(SX-2L)***
***MAR-23HAN-GN-(SX-2L)***

## Personal Flotation Devices



**Men's Nylon 3-Buckle PFD**

U.S. Coast Guard approved, nylon, 3-buckle PFD.
Colors: Black, Blue or Red. Sizes: XS-4X.

***MAR-23V3B-BK-(XS-4X)***
***MAR-23V3B-BL-(XS-4X)***
***MAR-23V3B-RD-(XS-4X)***



**Woman's Nylon 3-Buckle PFD**

U.S. Coast Guard approved, nylon, 3-buckle PFD.
Colors: Blue, Pink or Orange. Sizes: XS-3X.

***MAW-23V3B-BL-(XS-3X)***
***MAW-23V3B-PK-(XS-3X)***
***MAW-23V3B-OR-(XS-3X)***



**Men's Neoprene/Nylon Combo PFD**

U.S. Coast Guard approved, neoprene/nylon combo PFD.
Colors: Grey or Blue. Sizers: SM-2X.

***MAR-23NNC-GY-(SM-2X)***
***MAR-23NNC-BL-(SM-2X)***



**Woman's Neoprene/Nylon Combo PFD**

U.S. Coast Guard approved, neoprene/nylon combo PFD.
Colors: Yellow or Pink. Sizes: SM-2X.

***MAW-23NNC-YL-(SM-2X)***
***MAW-23NNC-PL-(SM-2X)***

## Hats and Visors




**Yamaha Pure Contrast Cap**
***CRP-13HMS-NV-NS***




**Yamaha Women's Performance Hat**
***Blue: CRW-17YAM-BL-UE***
***Coral: CRW-18YAM-CR-AL***




**Yamaha Pro Fishing Hat**
***Blue and White - CRP-14HPR-WH-NS***




**Yamaha Visor**
***CRP-14HVI-BL-NS***




**Retro Sunset Flatbill Cap**
***WTC-21HSN-BK-NS***



**Compass Dial Flatbill Cap**
***WTC-21HCS-BK-NS***



**Sunset Wave Cap**
***WTC-22HSV-RD-NS***



**Shark Fin Cap**
***WTC-21HLS-GY-NS***




**Diamond Sun Cap**
***WTC-22HDM-BK-NS***

## Apparel & Gifts




**Yamaha Pro Fishing Jersey**
***CRP-14JPF-WH-(SM~3X)***




**Yamaha Pro Fishing**
**Short Sleeve Tee**
***CRP-14SPF-BL-(SM~3X)***



**Yamaha Pro Fishing**
**VMAX Tee**
***CRP-18TVM-BK-(SM~3X)***



**Yamaha Pro Fishing**
**Saltwater Tee**
***CRP-18TDF-BK-(SM~3X)***




**Yamaha Pro Fishing Neck Gaiter**
***CRP-17GTR-BL-NS***

## Apparel & Gifts






**Yamaha Pro Fishing Off-Shore Short Sleeve Tee**
***CRP-18TDF-BL-(SM-3X)***






**Yamaha Pro Fishing Fresh Water Short Sleeve Tee**
***CRP-18TPF-BL- (SM-3X)***






**Run The Water Yamaha Boats Tee**
***WTC-20TYB-BL- (SM-3X)***






**Run The Water Yamaha Boats spf 60 Long Sleeve Tee**
***WTC-20LYB-BL- (SM-3X)***

## Apparel & Gifts



**Yamaha Pro Fishing**
**Saltwater Gray L/S**
***CRP-18LML-GY-(SM~3X)***

**Yamaha Pro Fishing**
**Freshwater Gray L/S**
***CRP-18LBS-GY-(SM~3X)***



**Yamaha Pro Fishing**
**Saltwater Blue L/S**
***CRP-18LDF-BL-(SM~3X)***

**Yamaha Pro Fishing**
**Freshwater Blue L/S**
***CRP-18LPF-BL-(SM~3X)***

## Apparel & Gifts




**Yamaha Marine Key Chain**
***MAR-KEYCH-AI-NB***




**Yamaha Marine Floating Key Chain**
***MAR-KEYCH-AI-NC (Blue)***
***MAR-KEYCH-AI-ND (Red)***




Versatile and durable, your gear will stay dry inside this round bottom dry bag, Features durable, waterproof, 19 oz. vinyl construction with reinforced welded seams and Yamaha logo graphic.

**Yamaha Roll Top Bag**
***MWV-DRYBG-00-16***










Reliability. It may start with a Yamaha, but it's sustained with proper care and maintenance. Yamaha offers everything customers need to keep their outboard and boat ready to run.

Regular maintenance is critical for the continued proper operation of any engine. Add in the fact that an outboard operates under some of the harshest environmental conditions imaginable, and maintenance becomes even more critical. High load, high-RPM operation, extreme temperatures, high moisture and periods of non-use all take a toll on an outboard. For these reasons, regular maintenance is vital for care free days on the water.

Remember, MAINTENANCE MATTERS®

The *MyYamahaOutboards* App—
Get maintenance reminders for your outboards sent right to your phone or desktop. If you're a current Yamaha owner, download the app and create an account today.




REMEMBER to always observe all applicable boating laws. Never drink and drive. Dress properly with a USCG-approved personal flotation device and protective gear.

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YAMAHA
Revs Your Heart

LIT-MRPDC-AT-23