

**Parts Manual**

**Cat.# 90-8M0142638**

**Revised 09-20-2020**

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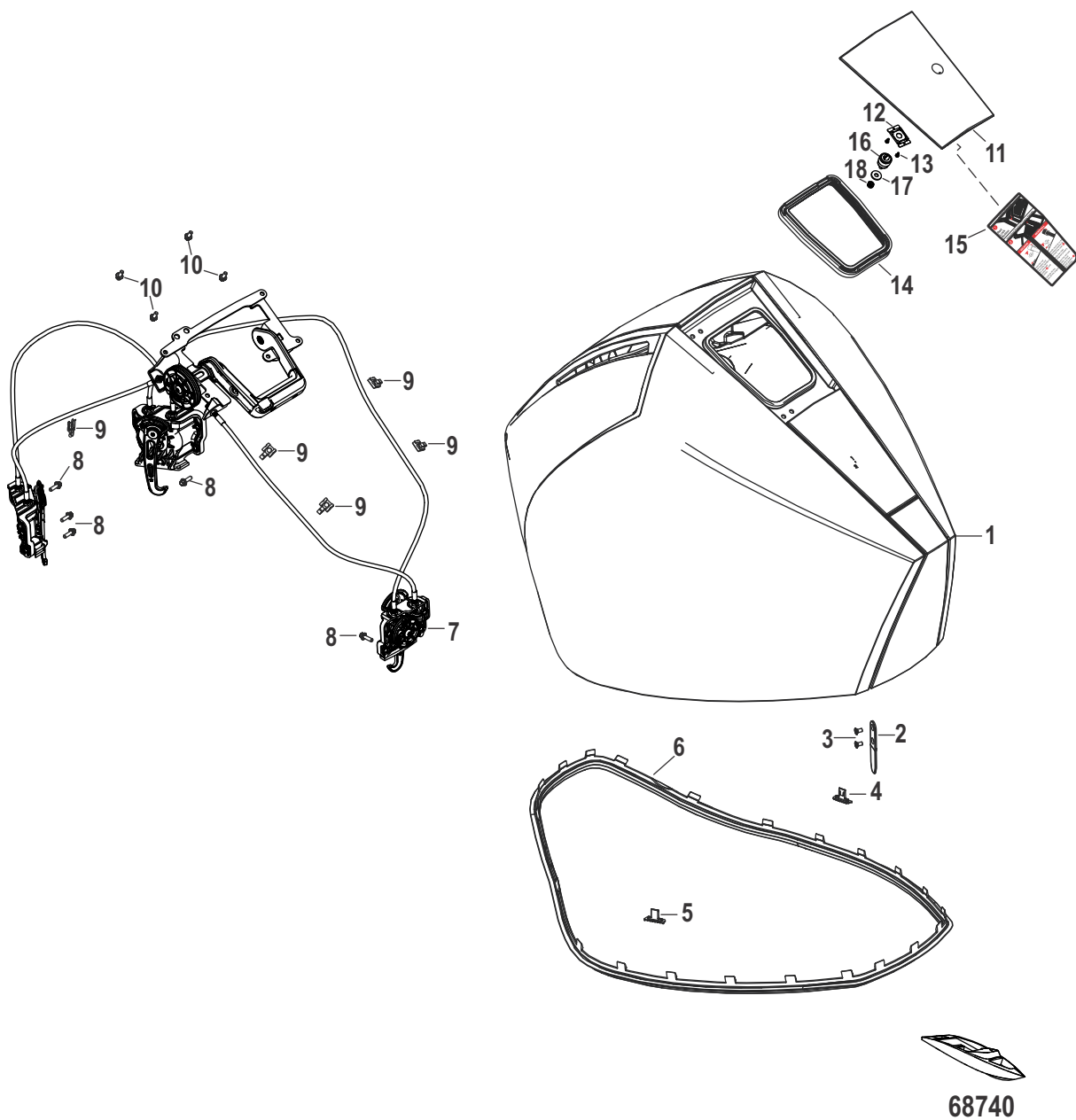
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## Service/Support Material

**Service/Support Material**

| Ref # | Part Class | Part Number | Description                              | Comments                                                                                  | Qty | Note |
|-------|------------|-------------|------------------------------------------|-------------------------------------------------------------------------------------------|-----|------|
| -     | 0090       | 8M0142638   | PARTS MANUAL 175 3.4L V6 4 Stroke Pro XS |                                                                                           | 1   |      |
| -     | 0090       | 8M0124302   | SERVICE MANUAL 175-300 Hp FourStroke     |                                                                                           | 1   |      |
| -     | 0090       | 8M0145934   | INSTALLATION MANUAL V6/V8 CMS            |                                                                                           | 1   |      |
| -     | 0090       | 8M0145541   | OPERATION MANUAL V6/V8 CMS Mechanical    |                                                                                           | 1   |      |
| -     | 0090       | 8M0145542   | OPERATION MANUAL V6/V8 CMS DTS           |                                                                                           | 1   |      |
| -     | 0090       | 8M0146617   | SERVICE MANUAL Diagnostic                |                                                                                           | 1   |      |
| -     |            | NSS         | NOT SOLD SEPARATE DECAL, EPA             | (Contact Mercury Marine Warranty Administration for Replacement-Service Bulletin 2009-18) | 1   |      |

# Top Cowl

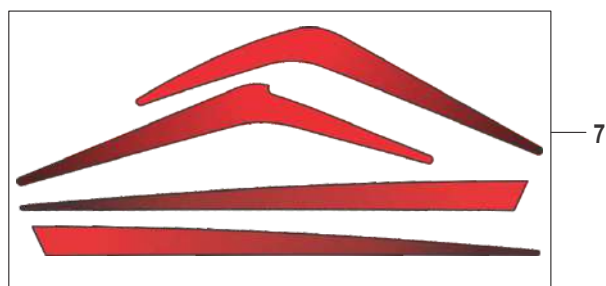
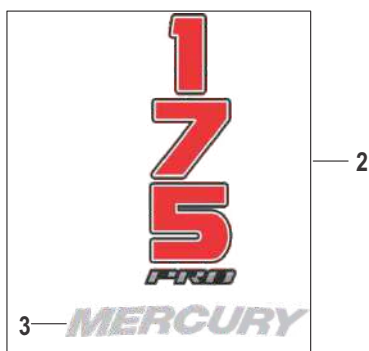


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## Top Cowl

| Ref # | Part Class | Part Number | Description                                             | Comments | Qty | Note |
|-------|------------|-------------|---------------------------------------------------------|----------|-----|------|
| 1     | 0100       | 8M0142179   | TOP COWL ASSEMBLY Pro XS,<br>Decaled without Horsepower |          | 1   |      |
| 2     | 0000       | 8M0142904   | ALIGNMENT LEG                                           |          | 4   |      |
| 3     |            | NSS         | NOT SOLD SEPARATE SCREW                                 |          | 8   |      |
| 4     | 0000       | 8M0142916   | BUMPER Port                                             |          | 1   |      |
| 5     | 0000       | 8M0142915   | BUMPER Starboard                                        |          | 1   |      |
| 6     | 0000       | 8M0173441   | SEAL Top Cowl                                           |          | 1   |      |
| 7     | 0000       | 8M0142243   | COWL LATCH ASSEMBLY                                     |          | 1   |      |
| 8     | 0010       | 8M0103806   | SCREW (M6 x 20 MM) Stainless<br>Steel                   |          | 10  |      |
| 9     | 0054       | 8M0142903   | CLIP                                                    |          | 7   |      |
| 10    | 0010       | 88552514    | SCREW (M6 x 14 MM) Stainless<br>Steel                   |          | 6   |      |
| 11    | 0100       | 8M0142233   | DOOR ASSEMBLY Black                                     |          | 1   |      |
| 12    | 0000       | 8M0142913   | KEEPER ASSEMBLY                                         |          | 1   |      |
| 13    |            | NSS         | NOT SOLD SEPARATE<br>SCREW                              |          | 2   |      |
| 14    | 0025       | 8M0142908   | SEAL Door                                               |          | 1   |      |
| 15    | 0037       | 8M0148533   | DECAL Latch Position                                    |          | 1   |      |
| 16    | 0000       | 8M0142907   | LOCK PUSH                                               |          | 1   |      |
| 17    | 0015       | 8M0142914   | SHIM LATCH                                              |          | 1   |      |
| 18    | 0011       | 401386      | NUT (M6) Stainless Steel                                |          | 1   |      |

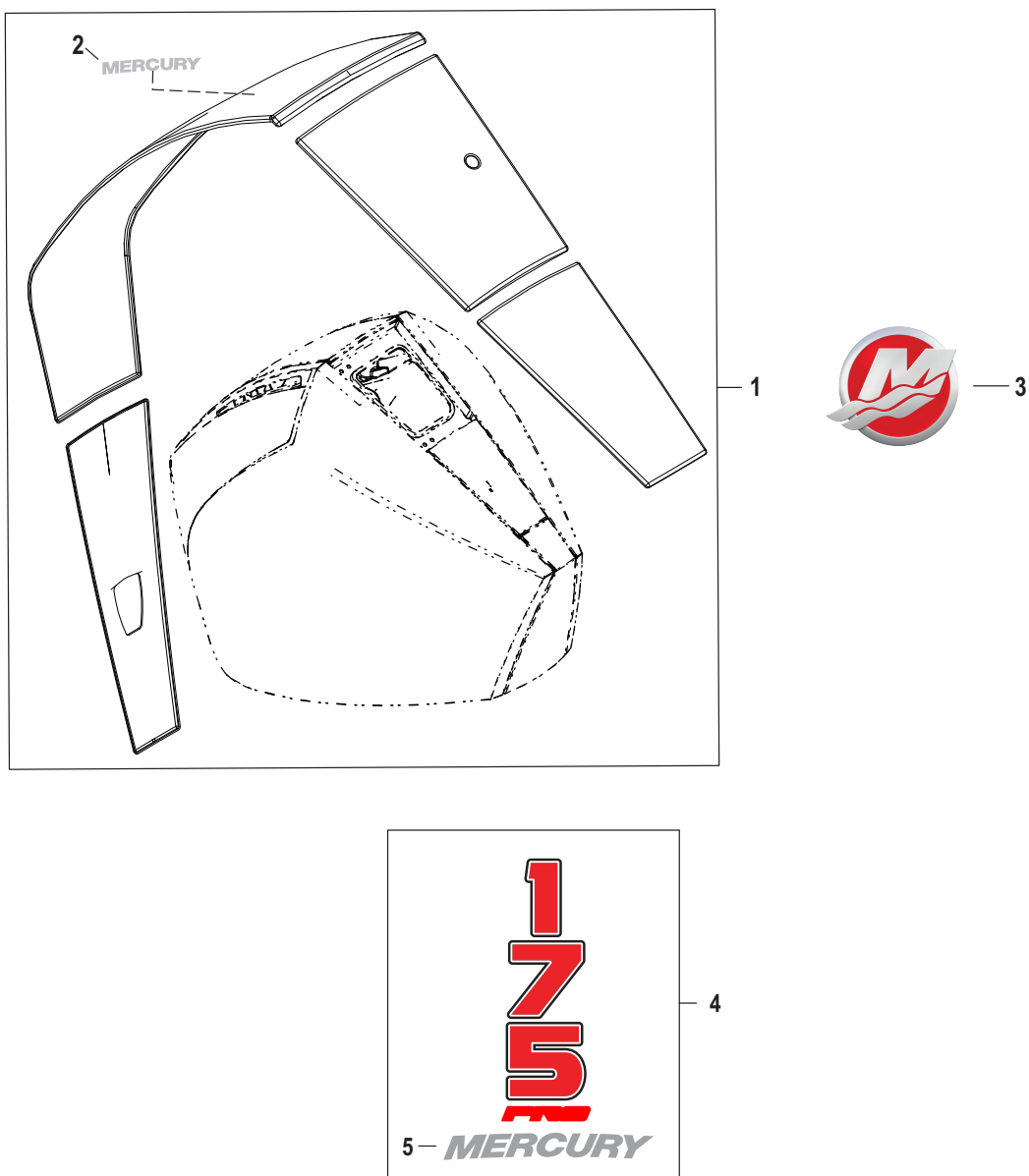
# Decals



**Decals**

| Ref # | Part Class | Part Number | Description             | Comments   | Qty | Note |
|-------|------------|-------------|-------------------------|------------|-----|------|
| 1     | 0037       | 8M0142188   | DECAL SET Pro XS        | Top Cowl   | 1   |      |
| 2     | 0037       | 8M0145995   | DECAL 175 HP            |            | 1   |      |
| 3     | 0037       | 8M0153042   | DECAL Mercury, Silver   |            | 1   |      |
| 4     | 0037       | 8M0142198   | DECAL SET 175 HP        |            | 1   |      |
| 5     | 0037       | 8M0159717   | DECAL M Icon, 53 MM Red | Front      | 1   |      |
| 6     | 0037       | 8M0085373   | DECAL M-Icon, 60mm Red  | Rear       | 1   |      |
| 7     | 0037       | 8M0142187   | DECAL SET Pro XS        | Lower Cowl | 1   |      |

# Accent Panel



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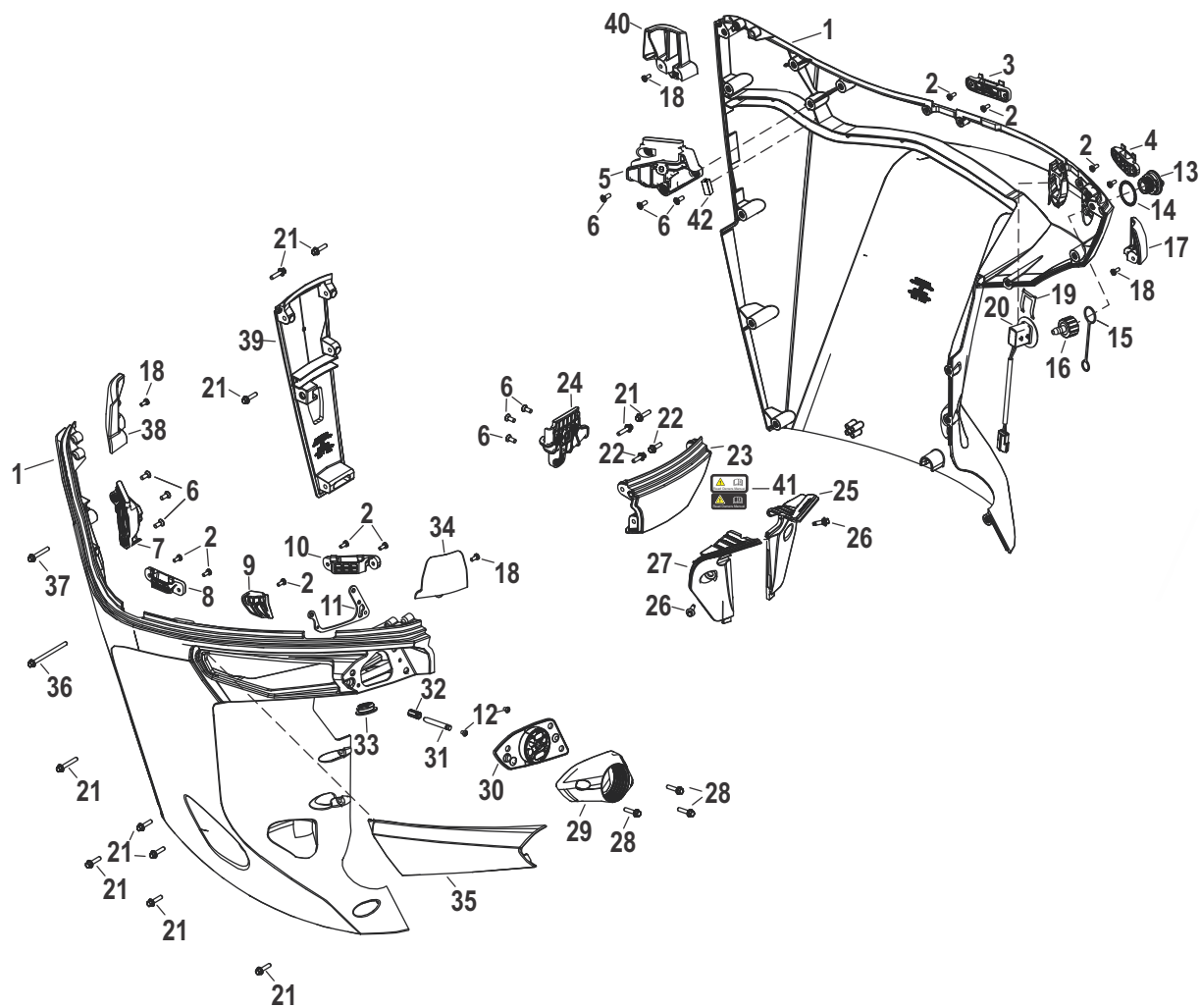
## Accent Panel

| Ref # | Part Class | Part Number | Description                    | Comments | Qty | Note |
|-------|------------|-------------|--------------------------------|----------|-----|------|
| 1     | 0100       | 8M0142215   | ACCENT COWL ASSEMBLY Pro Black |          | 1   |      |
| 2     | 0037       | 8M0147920   | DECAL Mercury, Silver          |          | 1   |      |
| 3     | 0037       | 8M0085373   | DECAL M-Icon, 60mm Red         |          | 1   |      |
| 4     | 0037       | 8M0145995   | DECAL 175 HP                   |          | 1   |      |
| 5     | 0037       | 8M0153042   | DECAL Mercury, Silver          |          | 1   |      |

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Accent Panel

# Lower Cowl



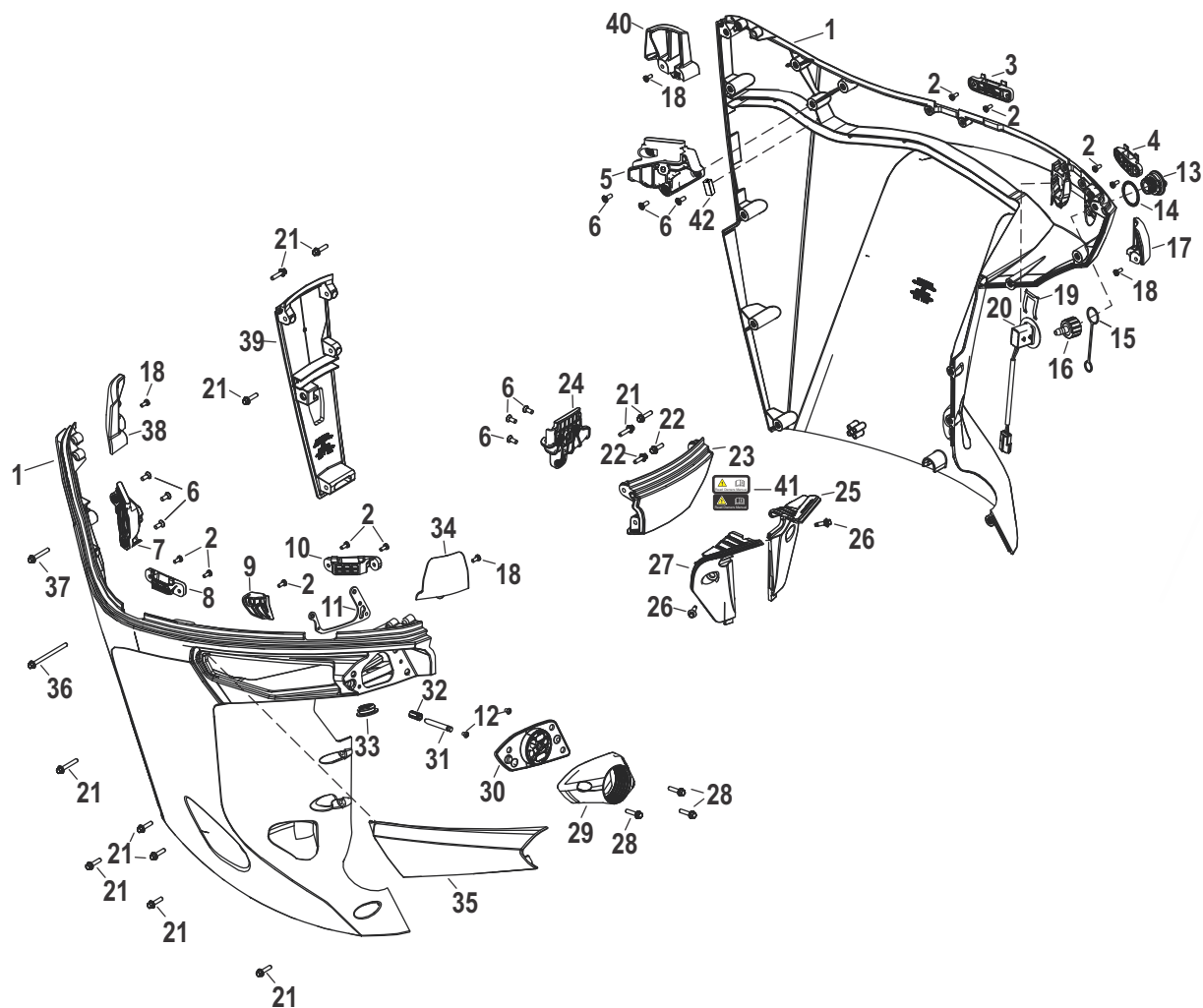
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## Lower Cowl

| Ref # | Part Class | Part Number | Description                            | Comments | Qty | Note |
|-------|------------|-------------|----------------------------------------|----------|-----|------|
| 1     | 0100       | 8M0142219   | LOWER COWL ASSEMBLY Port and Starboard |          | 1   |      |
| 2     | 0010       | 8M0142918   | SCREW (M5 x 12)                        |          | 9   |      |
| 3     | 0000       | 8M0142923   | RETAINER Rear, Port                    |          | 1   |      |
| 4     | 0000       | 8M0142922   | RETAINER Front, Port                   |          | 1   |      |
| 5     | 0000       | 8M0142919   | STRIKER ASSEMBLY Port                  |          | 1   |      |
| 6     | 0010       | 8M0142921   | SCREW (M6 X 16)                        |          | 9   |      |
| 7     | 0000       | 8M0142925   | STRIKER ASSEMBLY Starboard             |          | 1   |      |
| 8     | 0000       | 8M0142930   | RETAINER Rear, Starboard               |          | 1   |      |
| 9     | 0000       | 8M0142928   | BLOCK                                  |          | 1   |      |
| 10    | 0000       | 8M0142929   | RETAINER Front, Starboard              |          | 1   |      |
| 11    | 0000       | 8M0142946   | PLATE                                  |          | 1   |      |
| 12    | 0010       | 8M0047718   | SCREW (M5 X 8MM)                       |          | 2   |      |
| 13    | 0022       | 888958001   | PLUG Flush Port                        |          | 1   |      |
| 14    | 0000       | 8M0047301   | SEAL Flush Plug Pocket                 |          | 1   |      |
| 15    | 0000       | 889823001   | TETHER Flush Plug                      |          | 1   |      |
| 16    | 0022       | 885361A01   | FITTING ASSEMBLY Flush                 |          | 1   |      |
| 17    | 0000       | 8M0142945   | GUIDE Front, Port                      |          | 1   |      |
| 18    | 0010       | 8M0142918   | SCREW (M5 x 12)                        |          | 4   |      |
| 19    | 0000       | 8M0032848   | RETAINER Switch                        |          | 1   |      |
| 20    | 0087       | 8M0037225   | TRIM SWITCH Round Bezel                |          | 1   |      |
| 21    | 0010       | 8M0022324   | SCREW (M6 x 25 MM)                     |          | 11  |      |
| 22    | 0010       | 8M0073002   | SCREW (M6 X 20), Hex Flg               |          | 2   |      |
| 23    | 0100       | 8M0142229   | LOWER FRONT COWL ASSEMBLY Black        |          | 1   |      |
| 24    | 0000       | 8M0142932   | STRIKER ASSEMBLY Front                 |          | 1   |      |
| 25    | 0100       | 8M0142924   | COVER Port                             |          | 1   |      |
| 26    | 0010       | 892073002   | SHOULDER SCREW (M6)                    |          | 2   |      |
| 27    | 0100       | 8M0142931   | COVER Starboard                        |          | 1   |      |
| 28    | 0010       | 8M0075735   | SCREW (M6 X 30) Hex Flg                |          | 3   |      |
| 29    | 0000       | 8M0142949   | ADAPTER                                |          | 1   |      |
| 30    | 0000       | 8M0142948   | GROMMET Mechanical                     |          | 1   |      |
| 30    | 0000       | 8M0142950   | GROMMET DTS                            |          | 1   |      |
| 30    | 0025       | 8M0146953   | GROMMET Large Hole, Mechanical         |          | 1   |      |
| 30    | 0025       | 8M0146954   | GROMMET Large Hole, DTS CMS            |          | 1   |      |
| 31    | 0017       | 8M0146710   | PIN Rigging Door                       |          | 1   |      |
| 32    | 0023       | 8M0142927   | BUSHING                                |          | 1   |      |
| 33    | 0025       | 8M0142947   | GROMMET Trim Sensor                    |          | 1   |      |
| 34    | 0000       | 8M0142944   | GUIDE Front, Starboard                 |          | 1   |      |
| 35    | 0100       | 8M0142582   | RIGGING DOOR Black                     |          | 1   |      |
| 36    | 0010       | 8M0071078   | SCREW (M6 X 85) Hex Flg                |          | 1   |      |
| 37    | 0010       | 8M0142933   | SCREW (M6 x 40)                        |          | 1   |      |
| 38    | 0000       | 8M0142942   | GUIDE Rear, Starboard                  |          | 1   |      |
| 39    | 0100       | 8M0142224   | LOWER REAR COWL ASSEMBLY Black         |          | 1   |      |
| 40    | 0000       | 8M0142943   | GUIDE Rear, Port                       |          | 1   |      |
| 41    | 0037       | 8M0142577   | DECAL Read Manual, Clear               |          | 1   |      |

Lower Cowl

# Lower Cowl



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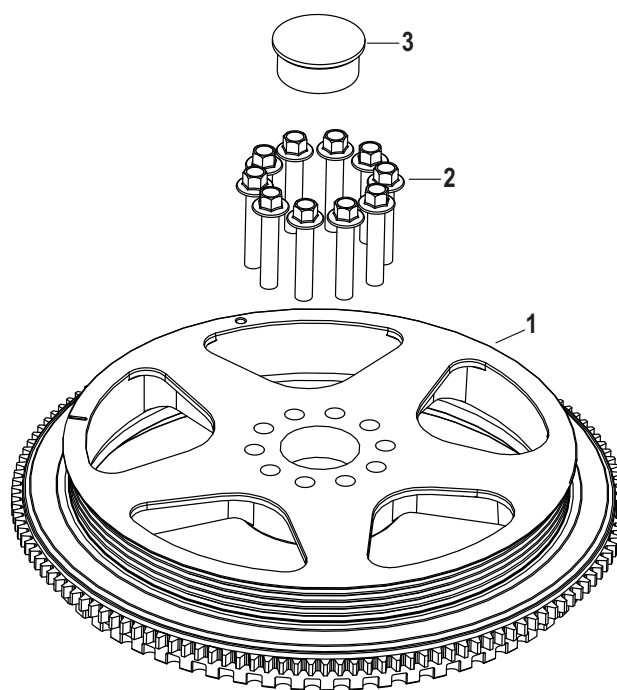
## Lower Cowl

| Ref # | Part Class | Part Number | Description              | Comments    | Qty | Note |
|-------|------------|-------------|--------------------------|-------------|-----|------|
| 41    | 0037       | 8M0142371   | DECAL Read Manual, Black |             | 1   |      |
| 42    | 0023       | 8M0149605   | SLEEVE Edge Protector    |             | 1   |      |
| -     | 0037       | 8M0142187   | DECAL SET Pro XS         | Lower Chaps | 1   |      |

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Lower Cowl

# Flywheel

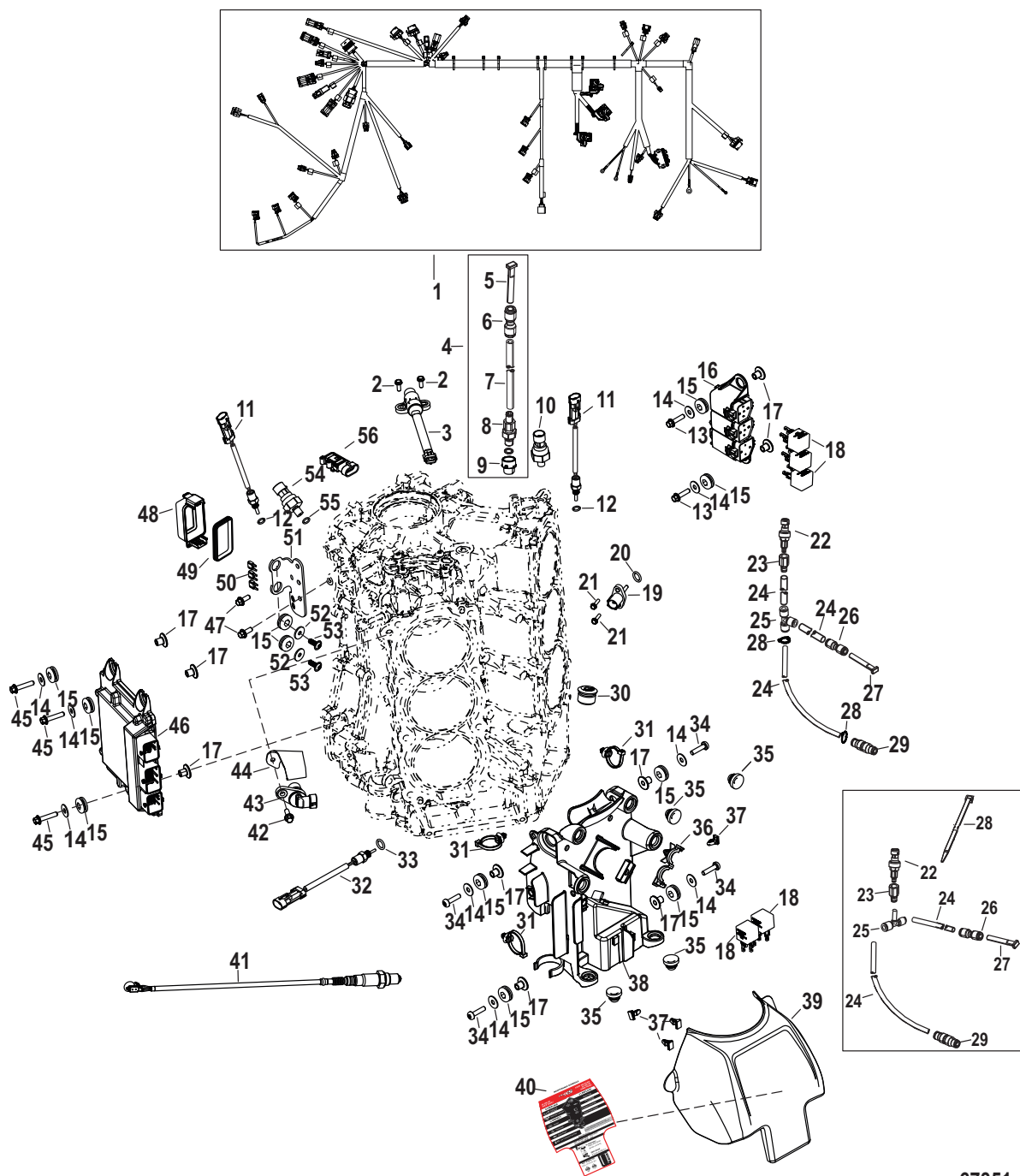


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## Flywheel

| Ref # | Part Class | Part Number | Description                 | Comments | Qty | Note |
|-------|------------|-------------|-----------------------------|----------|-----|------|
| 1     | 0200       | 8M0142244   | FLYWHEEL                    |          | 1   |      |
| 2     | 0010       | 8M0142384   | SCREW (M8 x 42) HX FLG HEAD |          | 10  |      |
| 3     | 0019       | 8M0142389   | PLUG Flywheel               |          | 1   |      |

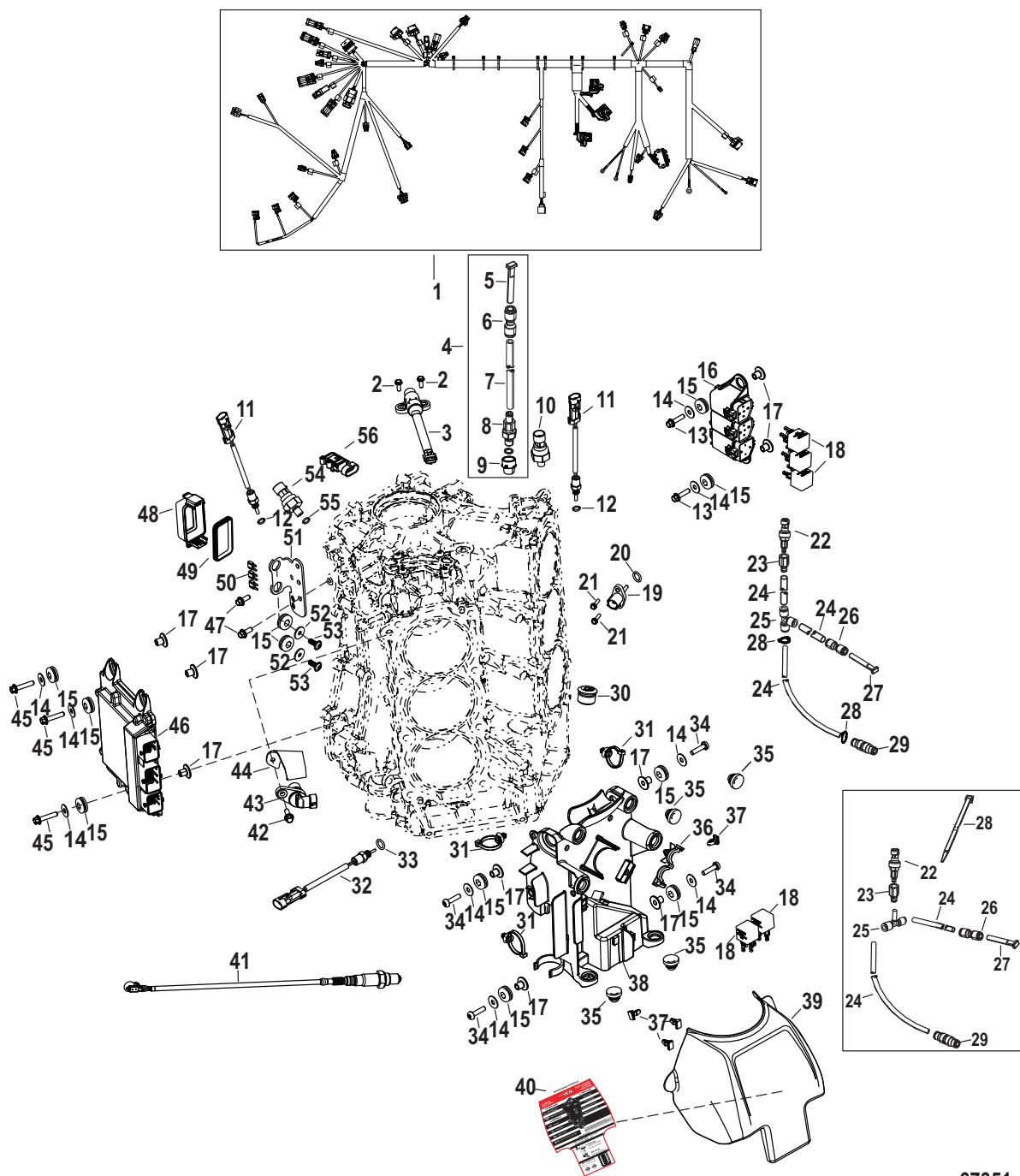


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## Electrical

| Ref # | Part Class | Part Number | Description                                 | Comments            | Qty | Note |
|-------|------------|-------------|---------------------------------------------|---------------------|-----|------|
| 1     | 0084       | 8M0142254   | ENGINE HARNESS Mechanical                   |                     | 1   |      |
| 1     | 0084       | 8M0142262   | ENGINE HARNESS DTS                          |                     | 1   |      |
| 2     | 0010       | 40011106    | SCREW (M5 x 13) Stainless Steel             |                     | 2   |      |
| 3     | 0000       | 8M0082988   | SENSOR Crankshaft Position                  |                     | 1   |      |
| 4     | 0000       | 8M0145165   | BLOCK WATER PRESSURE KIT Analog             | Mechanical          | 1   |      |
| 5     | 0022       | 859732      | PLUG                                        | Mechanical          | 1   |      |
| 6     | 0022       | 859747      | COUPLER                                     | Mechanical          | 1   |      |
| 7     | 0032       | 85978571    | TUBING (52.00 Inches Bulk)                  | Mechanical          | 1   |      |
| 8     | 0022       | 896094A01   | FITTING ASSEMBLY                            | Mechanical          | 1   |      |
| 9     | 0000       | 8M0146147   | CONNECTOR CAP 3 Pin                         | Mechanical          | 1   |      |
| 10    | 0071       | 8M0142696   | SENSOR Pressure                             | Block Pressure, DTS | 1   |      |
| 11    | 0000       | 8M0142542   | SENSOR Temperature                          |                     | 2   |      |
| 12    | 0025       | 896699      | O-RING (1.78 mm x .08 mm)                   |                     | 2   |      |
| 13    | 0010       | 8M0103807   | SCREW (M6 x 25 MM) Stainless Steel          |                     | 2   |      |
| 14    | 0012       | 65567       | WASHER (.265 x .750 x .048) Stainless Steel |                     | 9   |      |
| 15    | 0025       | 834985      | GROMMET                                     |                     | 11  |      |
| 16    | 0000       | 8M0142684   | RELAY HOUSING                               |                     | 1   |      |
| 17    | 0023       | 856954      | BUSHING                                     |                     | 9   |      |
| 18    | 0000       | 8M0057697   | CUBE RELAY                                  |                     | 5   |      |
| 19    | 0000       | 891663001   | SENSOR ASSEMBLY Temperature                 | Intake Air          | 1   |      |
| 20    | 0027       | 8M0142578   | GASKET MAT Sensor                           |                     | 1   |      |
| 21    | 0010       | 895054      | SCREW (M4 x 16 MM)                          |                     | 2   |      |
| 22    | 0000       | 881879T11   | SENSOR Pressure (0 - 100 PSI)               |                     | 1   |      |
| 23    | 0022       | 892403      | FITTING                                     |                     | 1   |      |
| 24    | 0032       | 85944975    | TUBING (72.00 Inches Bulk)                  | Design I            | 3   |      |
| 24    | 0032       | 85944975    | TUBING (72.00 Inches Bulk)                  | Design II           | 2   |      |
| 25    | 0022       | 875207      | TEE Fitting                                 | Design I            | 1   |      |
| 25    | 0022       | 8M0157114   | FITTING TEE 4 MM                            | Design II           | 1   |      |
| 26    | 0022       | 859747      | COUPLER                                     |                     | 1   |      |
| 27    | 0022       | 859732      | PLUG                                        |                     | 1   |      |
| 28    | 0054       | 816311T     | TIE STRAP (8.00 Inches)                     | Design I            | 2   |      |
| 28    | 0054       | 816311T     | TIE STRAP (8.00 Inches)                     | Design II           | 1   |      |
| 29    | 0022       | 859448T     | FITTING                                     |                     | 1   |      |
| 30    | 0019       | 8M0087451   | PLUG (18MM)                                 |                     | 1   |      |
| 31    | 0054       | 899145      | CLIP Tie Strap                              |                     | 3   |      |
| 32    | 0000       | 8M0142689   | SENSOR Temperature                          | Exhaust             | 1   |      |
| 33    | 0025       | 896699      | O-RING (1.78 mm x .08 mm)                   |                     | 1   |      |
| 34    | 0010       | 8M0142686   | SCREW (M6 x 25)                             |                     | 4   |      |
| 35    | 0025       | 8M0096302   | GROMMET                                     |                     | 4   |      |
| 36    | 0054       | 858954      | CLIP (.625)                                 |                     | 1   |      |
| 37    | 0054       | 879962      | CLIP                                        |                     | 4   |      |
| 38    | 0000       | 8M0142685   | PLATE Electrical                            |                     | 1   |      |
| 39    | 0000       | 8M0142608   | COVER Electrical Plate                      |                     | 1   |      |
| 40    | 0037       | 8M0142540   | DECAL Maintenance Schedule                  |                     | 1   |      |

Electrical

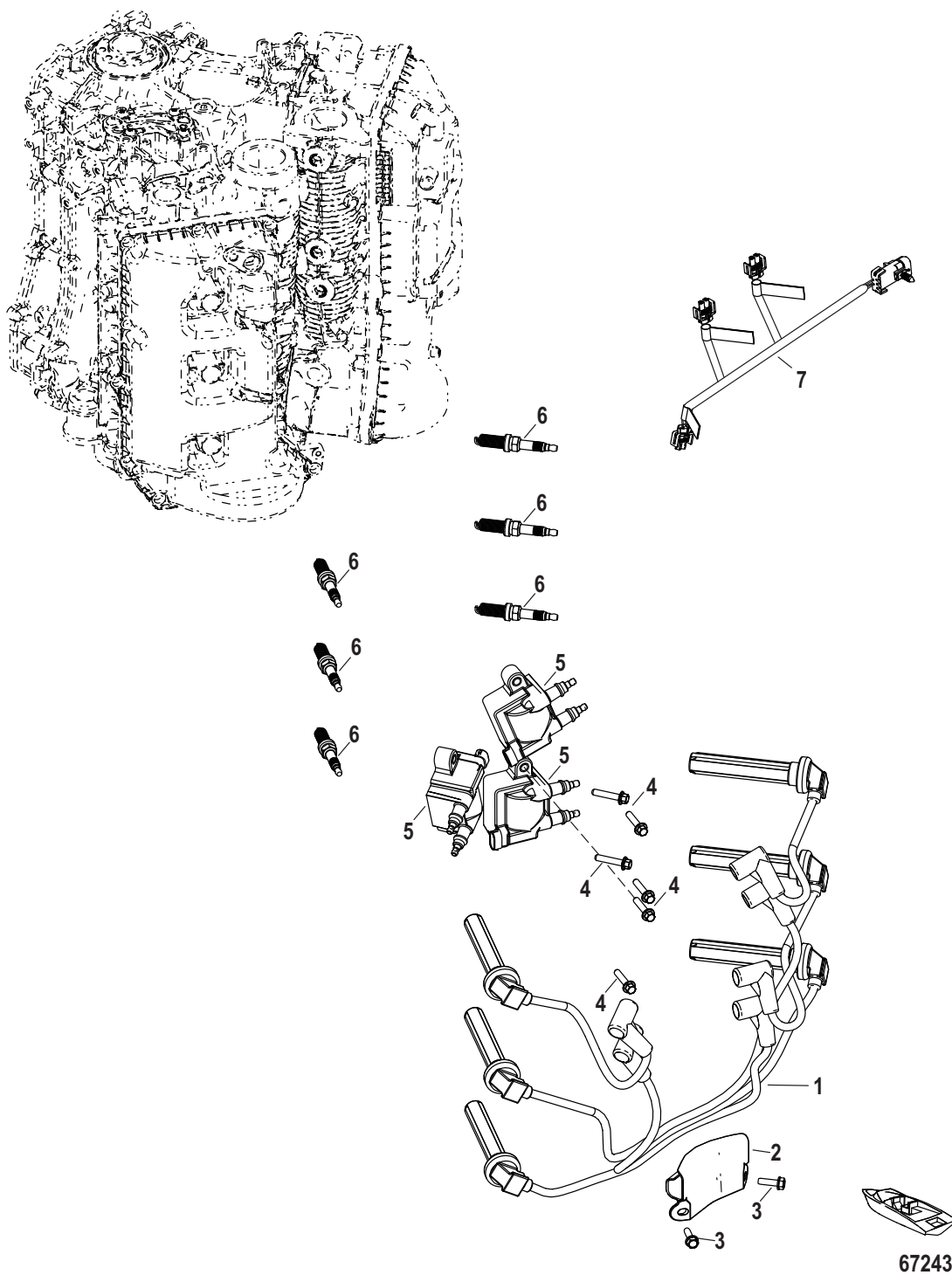


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## Electrical

| Ref # | Part Class | Part Number | Description                        | Comments     | Qty | Note |
|-------|------------|-------------|------------------------------------|--------------|-----|------|
| 41    | 0000       | 8M0142695   | SENSOR Oxygen                      |              | 1   |      |
| 42    | 0010       | 8M0103806   | SCREW (M6 x 20 MM) Stainless Steel |              | 1   |      |
| 43    | 0000       | 8M0011987   | SENSOR                             | Cam Position | 1   |      |
| 44    | 0000       | 8M0142691   | BRACKET Cam Sensor                 |              | 1   |      |
| 45    | 0010       | 8M0103808   | SCREW (M6 x 30 MM) Stainless Steel |              | 3   |      |
| 46    | 0078       | 8M0142965   | PCM 175 V6 PROXS MECH              |              | 1   |      |
| 46    | 0078       | 8M0142643   | PCM 175 V6 PROXS DTS               |              | 1   |      |
| 47    | 0010       | 8M0103805   | SCREW (M6 x 16MM) Stainless Steel  |              | 2   |      |
| 48    | 0000       | 8M0147858   | COVER Fuse Box                     |              | 1   |      |
| 49    | 0000       | 8M0147903   | SEAL Fuse Box                      |              | 1   |      |
| 50    | 0088       | 8329692     | FUSE Mini - Gray - 2 Ampere        |              | 1   |      |
| 50    | 0088       | 83296910    | FUSE Mini - Red - 10 Ampere        |              | 1   |      |
| 50    | 0088       | 832969T20   | FUSE Mini - Yellow - 20 Ampere     |              | 2   |      |
| 51    | 0000       | 8M0142455   | BRACKET Fuse Box                   |              | 1   |      |
| 52    | 0012       | 42118       | WASHER                             |              | 2   |      |
| 53    | 0010       | 8M6003202   | SCREW                              |              | 2   |      |
| 54    | 0071       | 8M0142688   | SENSOR Pressure                    | Oil          | 1   |      |
| 55    | 0025       | 896699      | O-RING (1.78 mm x .08 mm)          |              | 1   |      |
| 56    | 0000       | 8M0142690   | SENSOR MAP                         |              | 1   |      |

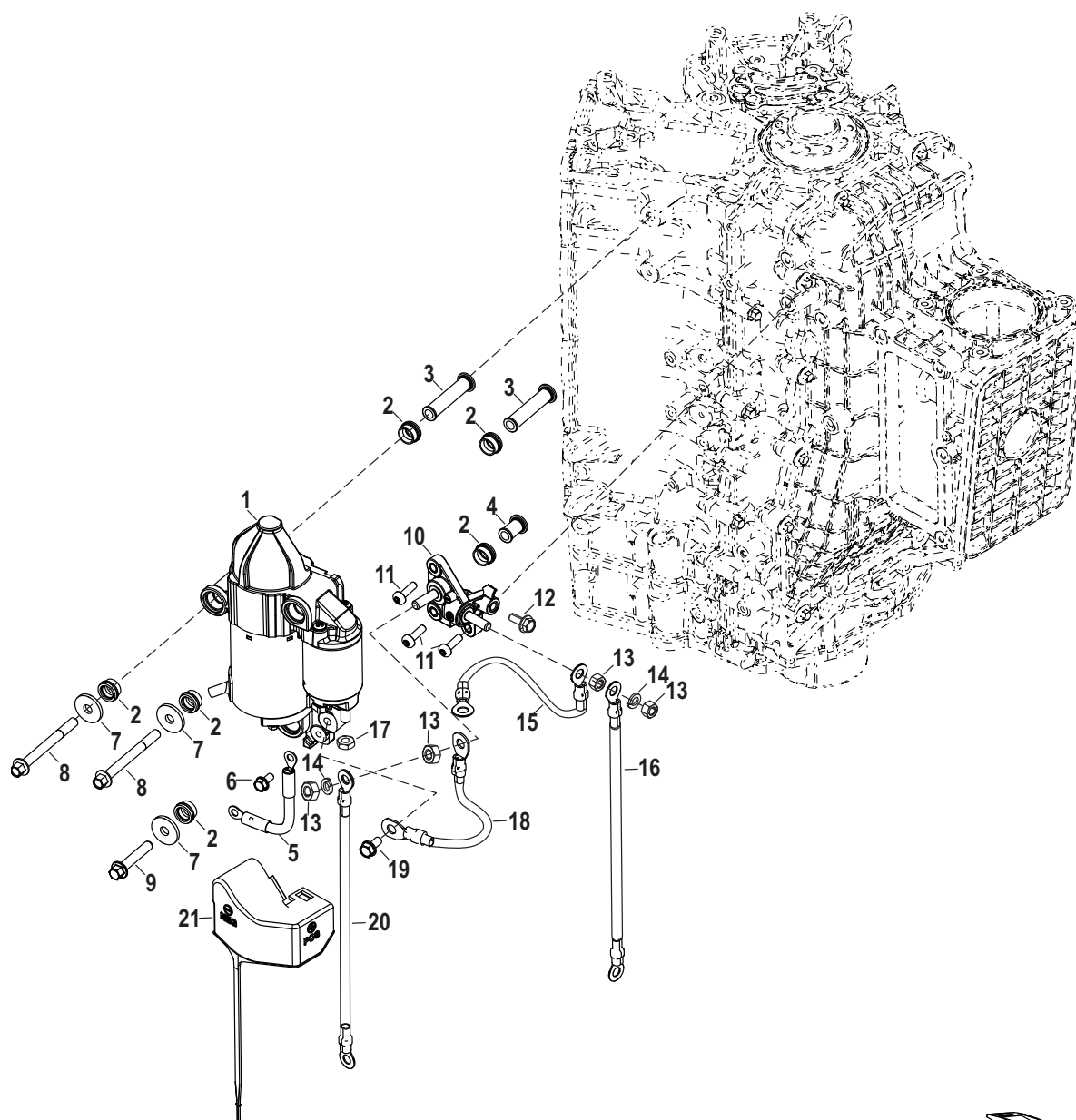
## Ignition



**Ignition**

| Ref # | Part Class | Part Number | Description                        | Comments | Qty | Note |
|-------|------------|-------------|------------------------------------|----------|-----|------|
| 1     | 0084       | 8M0142665   | SPARK PLUG WIRES                   |          | 1   |      |
| 2     | 0000       | 8M0142671   | GUIDE                              |          | 1   |      |
| 3     | 0010       | 897445501   | SCREW (M6 x 20 MM)                 |          | 2   |      |
| 4     | 0010       | 8M0103808   | SCREW (M6 x 30 MM) Stainless Steel |          | 6   |      |
| 5     | 0300       | 8M0044991   | IGNITION COIL Ignition Dual Output |          | 3   |      |
| 6     | 0033       | 8M0135348   | SPARK PLUGS                        |          | 6   |      |
| 7     | 0084       | 8M0142683   | WIRE HARNESS Coil Adapter          |          | 1   |      |

## Starter Motor

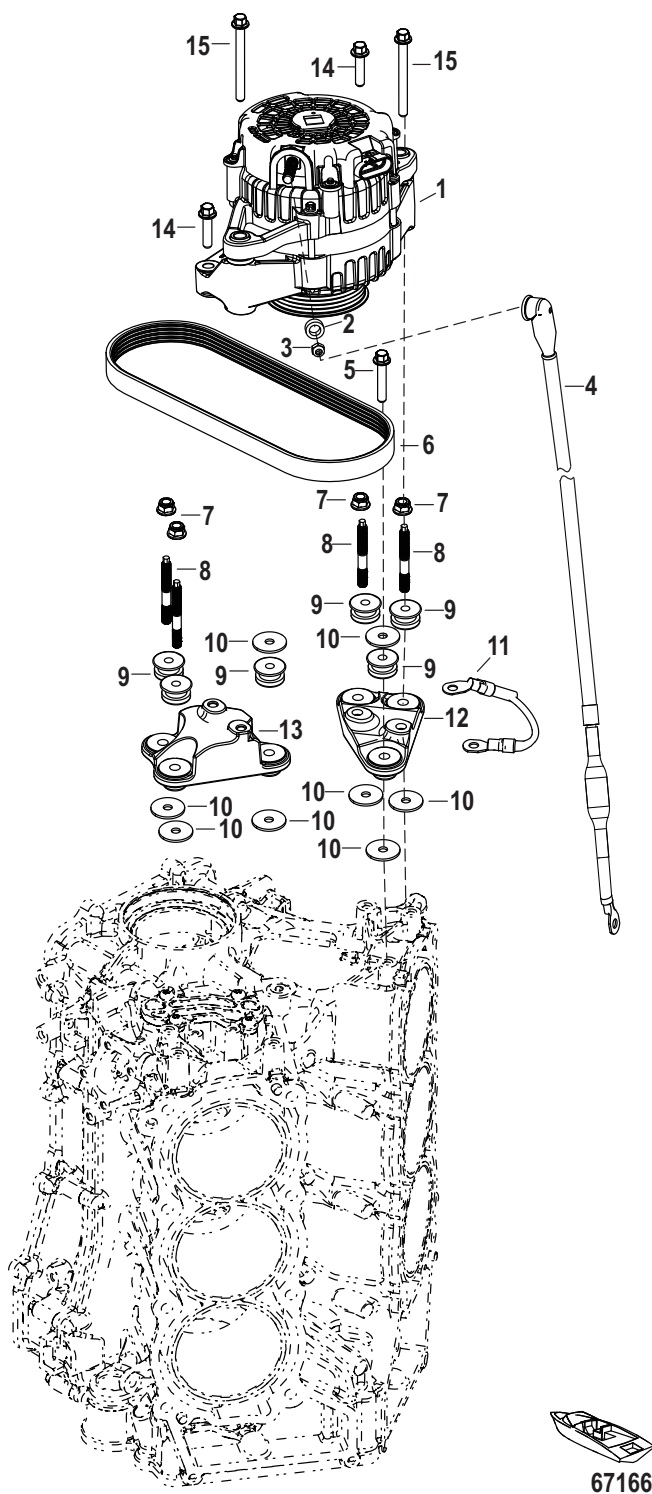


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## Starter Motor

| Ref # | Part Class | Part Number | Description                       | Comments | Qty | Note |
|-------|------------|-------------|-----------------------------------|----------|-----|------|
| 1     | 0050       | 8M0142679   | STARTER                           |          | 1   |      |
| 2     | 0023       | 8M0070367   | MOUNT - TUBULAR 8MM               |          | 6   |      |
| 3     | 0023       | 8M0070369   | SPACER (8.3 I.D. X 11.8 O.D.)     |          | 2   |      |
| 4     | 0023       | 8M0070368   | SPACER (8.3 I.D. X 11.8 O.D.)     |          | 1   |      |
| 5     | 0084       | 8M0056666   | GROUND STRAP Starter              |          | 1   |      |
| 6     | 0010       | 40011126    | SCREW (M6 x 13) Stainless Steel   |          | 1   |      |
| 7     | 0012       | 43430       | WASHER                            |          | 3   |      |
| 8     | 0010       | 8M0142896   | SCREW (M8 x 80)                   |          | 2   |      |
| 9     | 0010       | 88552645    | SCREW (M8X45)                     |          | 1   |      |
| 10    | 0000       | 8M0142680   | BRACKET HOT STUD                  |          | 1   |      |
| 11    | 0010       | 8M0080651   | SCREW (M6 x 20)                   |          | 3   |      |
| 12    | 0010       | 40011145    | SCREW (M8 x 10) Stainless Steel   |          | 1   |      |
| 13    | 0011       | 8M0146003   | NUT M8 x 1.25 Hex                 |          | 4   |      |
| 14    | 0013       | 400257      | LOCKWASHER (M8)                   |          | 2   |      |
| 15    | 0084       | 8M0142681   | CABLE ASSEMBLY Starter-Positive   |          | 1   |      |
| 16    | 0084       | 88439A46    | CABLE ASSEMBLY Battery - Positive |          | 1   |      |
| 17    | 0011       | 401388      | NUT (M8) Stainless Steel          |          | 1   |      |
| 18    | 0084       | 8M0146902   | CABLE ASSEMBLY Starter-Negative   |          | 1   |      |
| 19    | 0010       | 40011148    | SCREW (M8 x 20)                   |          | 1   |      |
| 20    | 0084       | 88439A26    | CABLE ASSEMBLY Battery - Negative |          | 1   |      |
| 21    | 0085       | 8M0142687   | COVER Hot Stud                    |          | 1   |      |

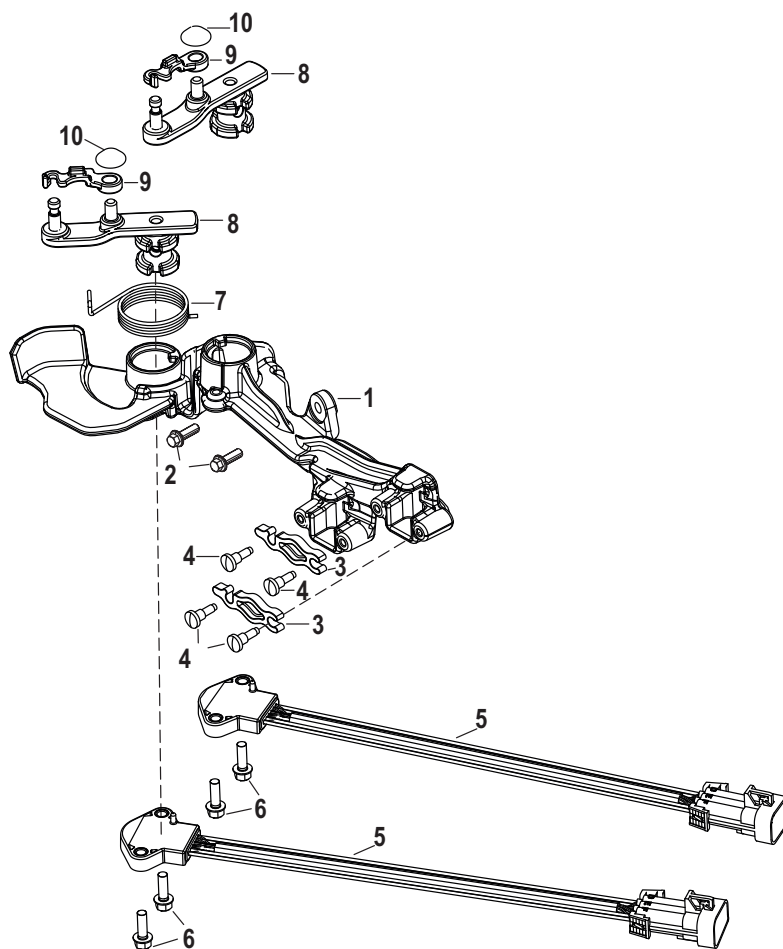
## Alternator Mounting/Belt



## Alternator Mounting/Belt

| Ref # | Part Class | Part Number | Description                 | Comments  | Qty | Note |
|-------|------------|-------------|-----------------------------|-----------|-----|------|
| 1     | 0000       | 8M0142248   | ALTERNATOR 85 AMP           |           | 1   |      |
| 2     | 0023       | 8M0151156   | SPACER                      |           | 1   |      |
| 3     | 0011       | 401388      | NUT (M8) Stainless Steel    |           | 1   |      |
| 4     | 0084       | 8M0142675   | CABLE ASSEMBLY Fusable Link |           | 1   |      |
| 5     | 0010       | 88552645    | SCREW (M8X45)               |           | 2   |      |
| 6     | 0057       | 8M0142251   | BELT                        |           | 1   |      |
| 7     | 0011       | 826365      | NUT (M8)                    |           | 4   |      |
| 8     | 0016       | 8M0022161   | STUD (M8 x 71.5)            |           | 4   |      |
| 9     | 0000       | 8M0142676   | MOUNT                       |           | 6   |      |
| 10    | 0012       | 8M0142674   | WASHER Plain                |           | 8   |      |
| 11    | 0084       | 8M0142678   | CABLE ASSEMBLY Ground       |           | 1   |      |
| 12    | 0000       | 8M0142673   | BRACKET Alternator          | Starboard | 1   |      |
| 13    | 0000       | 8M0142672   | BRACKET Alternator          | Port      | 1   |      |
| 14    | 0010       | 8M0142460   | SCREW (M8 x 45) HEX FLG     |           | 2   |      |
| 15    | 0010       | 8M0142677   | SCREW (M8 x 85)             |           | 2   |      |

## Shift System Mechanical



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## Shift System Mechanical

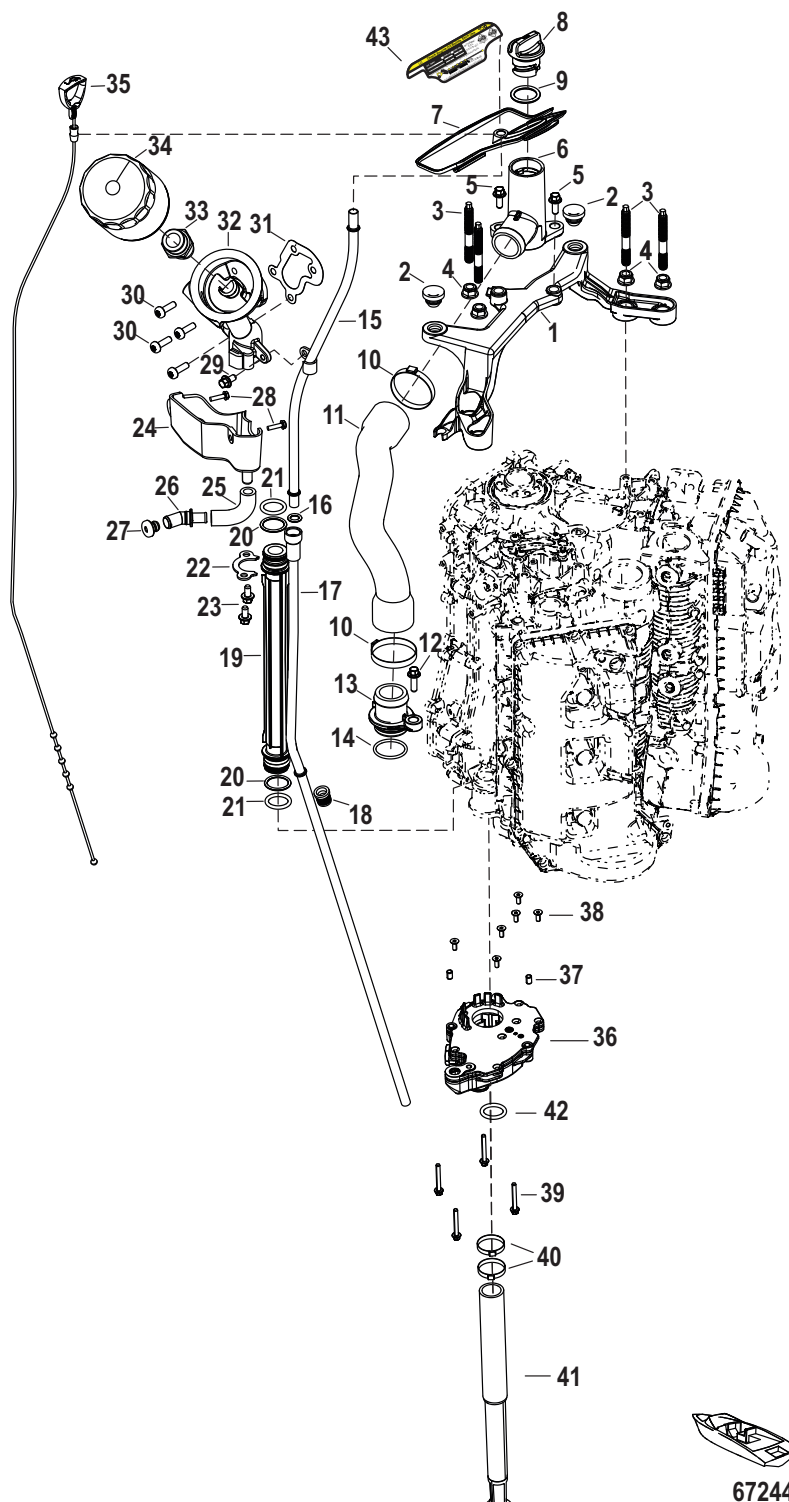
| Ref # | Part Class | Part Number | Description                     | Comments           | Qty | Note |
|-------|------------|-------------|---------------------------------|--------------------|-----|------|
| 1     | 0000       | 8M0142824   | BRACKET Shift Throttle          |                    | 1   |      |
| 2     | 0010       | 4010620     | SCREW (M6 x 20) Stainless Steel |                    | 2   |      |
| 3     | 0000       | 899044      | LATCH                           |                    | 2   |      |
| 4     | 0010       | 42975       | DRIVE SCREW                     |                    | 4   |      |
| 5     | 0084       | 8M0142827   | HARNESS Demand Sensor           |                    | 2   |      |
| 6     | 0010       | 40011107    | SCREW (M5 x 16) Stainless Steel |                    | 4   |      |
| 7     | 0024       | 8M0142826   | SPRING Throttle                 |                    | 1   |      |
| 8     | 0000       | 8M0142828   | ARM ASSEMBLY                    | Throttle and Shift | 2   |      |
| 9     | 0000       | 8M0142825   | RETAINER                        |                    | 2   |      |
| 10    | 0011       | 825677      | PUSH NUT                        |                    | 2   |      |



## Oil System

| Ref # | Part Class | Part Number | Description                        | Comments | Qty | Note |
|-------|------------|-------------|------------------------------------|----------|-----|------|
| 1     | 0000       | 8M0142467   | BRACKET Oil Fill                   |          | 1   |      |
| 2     | 0025       | 8M0096302   | GROMMET                            |          | 2   |      |
| 3     | 0016       | 8M0022161   | STUD (M8 x 71.5)                   |          | 4   |      |
| 4     | 0011       | 826365      | NUT (M8)                           |          | 4   |      |
| 5     | 0010       | 8M0103805   | SCREW (M6 x 16MM) Stainless Steel  |          | 2   |      |
| 6     | 0000       | 8M0142478   | NECK Oil Fill                      |          | 1   |      |
| 7     | 0025       | 8M0142470   | GROMMET                            |          | 1   |      |
| 8     | 0036       | 8M0142290   | CAP Oil                            |          | 1   |      |
| 9     | 0025       | 90196       | O-RING (.921 x .139)               |          | 1   |      |
| 10    | 0054       | 8M6001459   | CLAMP (45.5)                       |          | 2   |      |
| 11    | 0032       | 8M0142469   | HOSE Oil Fill                      |          | 1   |      |
| 12    | 0010       | 8M0103806   | SCREW (M6 x 20 MM) Stainless Steel |          | 1   |      |
| 13    | 0022       | 8M0142468   | TUBE Oil Fill                      |          | 1   |      |
| 14    | 0025       | 8M0044601   | O-RING                             |          | 1   | [1]  |
| 15    | 0000       | 8M0142480   | TUBE Dipstick- Upper               |          | 1   |      |
| 16    | 0025       | 8M0142481   | O-RING (0.362 x 0.103)             |          | 1   |      |
| 17    | 0000       | 8M0142602   | TUBE Dipstick                      |          | 1   |      |
| 18    | 0025       | 8M0142471   | GROMMET (0.375 IN)                 |          | 1   |      |
| 19    | 0000       | 8M0142606   | TUBE                               |          | 1   |      |
| 20    | 0025       | 8M0142452   | O-RING (70 Durometer)              |          | 2   | [1]  |
| 21    | 0025       | 8M0142450   | O-RING (70 Durometer)              |          | 2   | [1]  |
| 22    | 0000       | 8M0142484   | BRACKET Oil Filter                 |          | 1   |      |
| 23    | 0010       | 8M0142485   | SCREW (M6) HX FLG                  |          | 2   |      |
| 24    | 0000       | 8M0142454   | OIL DRIP TRAY                      |          | 1   |      |
| 25    | 0032       | 8M0142457   | HOSE Drip tray                     |          | 1   |      |
| 26    | 0022       | 8M0142456   | FITTING                            |          | 1   |      |
| 27    | 0019       | 8M0143229   | PLUG Drip Tray                     |          | 1   |      |
| 28    | 0010       | 895054      | SCREW (M4 x 16 MM)                 |          | 2   |      |
| 29    | 0010       | 8M0103804   | SCREW (M6 x 12 MM) Stainless Steel |          | 1   |      |
| 30    | 0010       | 8M0080651   | SCREW (M6 x 20)                    |          | 4   |      |
| 31    | 0027       | 8M0142482   | GASKET Adapter                     |          | 1   | [1]  |
| 32    | 0000       | 8M0142483   | ADAPTER Oil Filter                 |          | 1   | [1]  |
| 33    | 0022       | 8M0142453   | FITTING                            |          | 1   |      |
| 34    | 0035       | 8M0123025   | OIL FILTER                         |          | 1   |      |
| 35    | 0000       | 8M0142601   | DIPSTICK                           |          | 1   |      |
| 36    | 0000       | 8M0142403   | OIL PUMP ASSEMBLY                  |          | 1   |      |
| 37    | 0017       | 8M0142408   | DOWEL Pin                          |          | 2   |      |
| 38    | 0010       | 8M0142407   | SCREW (M6) HEX SOCKET FLAT X 16 LG |          | 6   |      |
| 39    | 0010       | 8M0142401   | SCREW (M6) HX FL REDUCED HEAD      |          | 4   |      |
| 40    | 0054       | 8M6000385   | CLAMP (39.6 MM)                    |          | 2   |      |
| 41    | 0000       | 8M0142402   | OIL PICK UP ASSEMBLY               |          | 1   |      |
| 42    | 0025       | 8M6001577   | O-RING M6 X 46                     |          | 1   | [1]  |

## Oil System



**Cat.# 90-8M0142638**

## Oil System

| Ref # | Part Class | Part Number | Description            | Comments | Qty | Note |
|-------|------------|-------------|------------------------|----------|-----|------|
| 43    | 0037       | 8M0142570   | DECAL Check Engine Oil |          | 1   |      |
| -     | 0000       | 8M0142971   | GASKET SET Powerhead   |          | 1   |      |

**PART NOTES:**

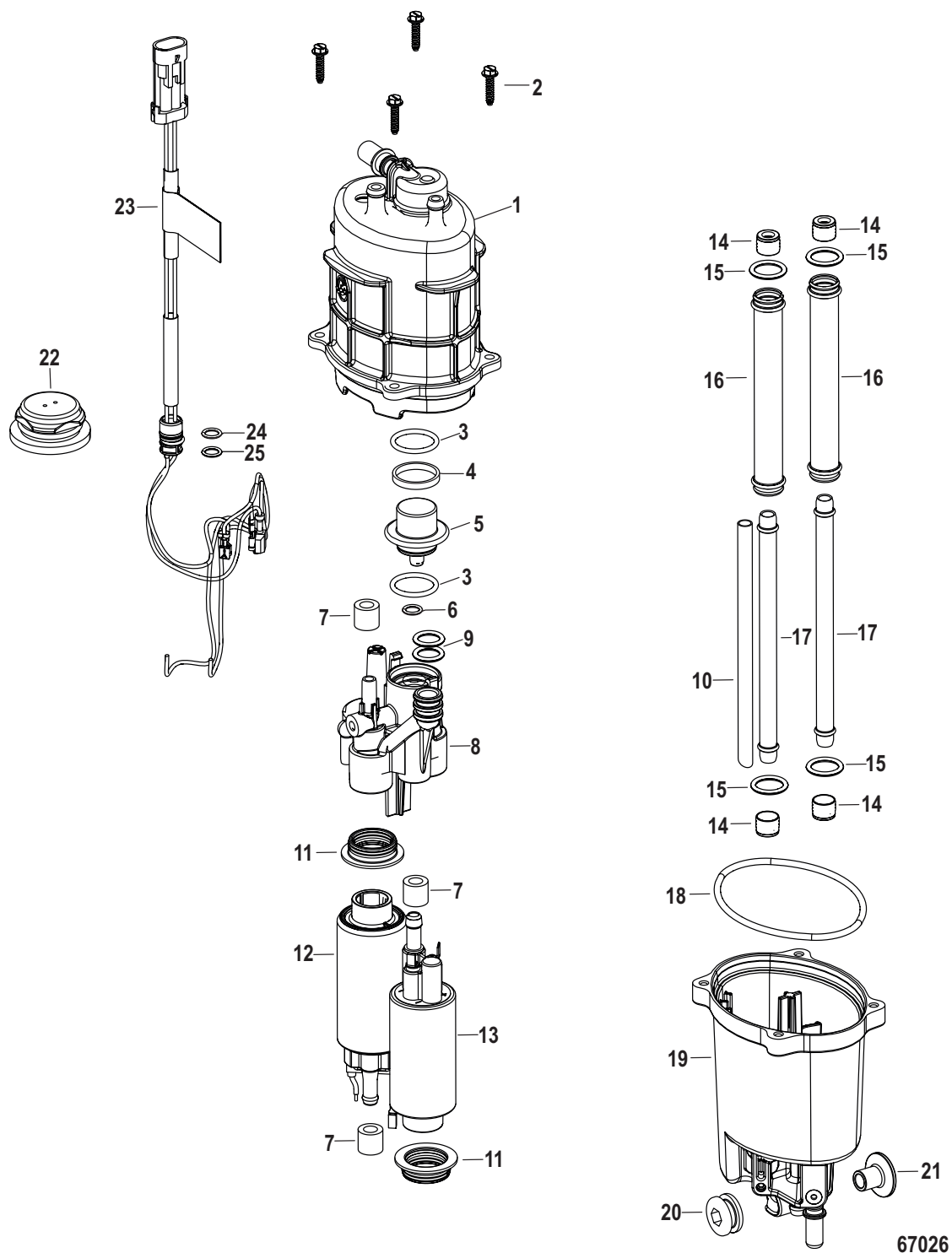
[1] - Component of Powerhead Gasket Set 8M0142971



## Fuel System

| Ref # | Part Class | Part Number | Description                                    | Comments | Qty | Note |
|-------|------------|-------------|------------------------------------------------|----------|-----|------|
| 1     | 0000       | 8M0132732   | FUEL SUPPLY MODULE                             |          | 1   |      |
| 2     | 0012       | 65567       | WASHER (.265 x .750 x .048)<br>Stainless Steel |          | 1   |      |
| 3     | 0010       | 8M0103807   | SCREW (M6 x 25 MM) Stainless<br>Steel          |          | 1   |      |
| 4     | 0032       | 8M0142432   | HOSE Intake to FSM                             |          | 1   |      |
| 5     | 0032       | 8M0142436   | HOSE ASSEMBLY Manifold Ref<br>Upper            |          | 1   |      |
| 6     | 0025       | 884546      | GROMMET                                        |          | 3   |      |
| 7     | 0032       | 8M0093068   | HOSE                                           |          | 1   |      |
| 8     | 0000       | 8M0005773   | SCREW (M6)                                     |          | 4   |      |
| 9     | 0000       | 8M0142604   | COVER Fuel Rail, Port                          |          | 1   |      |
| 10    | 0010       | 8M0103806   | SCREW (M6 x 20 MM) Stainless<br>Steel          |          | 4   |      |
| 11    | 0000       | 8M0142557   | FUEL RAIL ASSEMBLY Port                        |          | 1   |      |
| 11    | 0000       | 8M0142558   | FUEL RAIL ASSEMBLY Starboard                   |          | 1   |      |
| 12    | 0019       | 8M0046566   | CAP                                            |          | 2   |      |
| 13    | 0000       | 8M0142264   | FUEL INJECTOR                                  |          | 6   |      |
| 14    | 0035       | 8M0090809   | FILTER                                         |          | 2   |      |
| 15    | 0054       | 8M0142585   | CLAMP                                          |          | 3   |      |
| 16    | 0032       | 8M0142442   | HOSE ASSEMBLY FSM To Port Rail                 |          | 1   |      |
| 17    | 0032       | 8M0142437   | HOSE ASSEMBLY FSM To Fuel Rail                 |          | 1   |      |
| 18    | 0032       | 8M0142444   | HOSE ASSEMBLY FSM To<br>Starboard Rail         |          | 1   |      |
| 19    | 0000       | 8M0142605   | COVER Fuel Rail, Starboard                     |          | 1   |      |
| 20    | 0054       | 8M0142445   | CLIP                                           |          | 1   |      |
| 21    | 0054       | 899145      | CLIP Tie Strap                                 |          | 2   |      |
| 22    | 0032       | 8M0142446   | HOSE ASSEMBLY Cowl to FSM                      |          | 1   |      |
| 23    | 0035       | 8M0106635   | FUEL FILTER                                    |          | 1   |      |
| 24    | 0032       | 8M0142430   | HOSE Fuel Filter to FSM                        |          | 1   |      |
| 25    | 0000       | 8M0037209   | GROMMET FSM Retainer                           |          | 1   |      |
| 26    | 0000       | 8M0142722   | BRACKET FSM                                    |          | 1   |      |
| 27    | 0025       | 8M0142724   | GROMMET                                        |          | 5   |      |
| 28    | 0010       | 8M0103805   | SCREW (M6 x 16MM) Stainless<br>Steel           |          | 4   |      |

## Fuel Supply Module



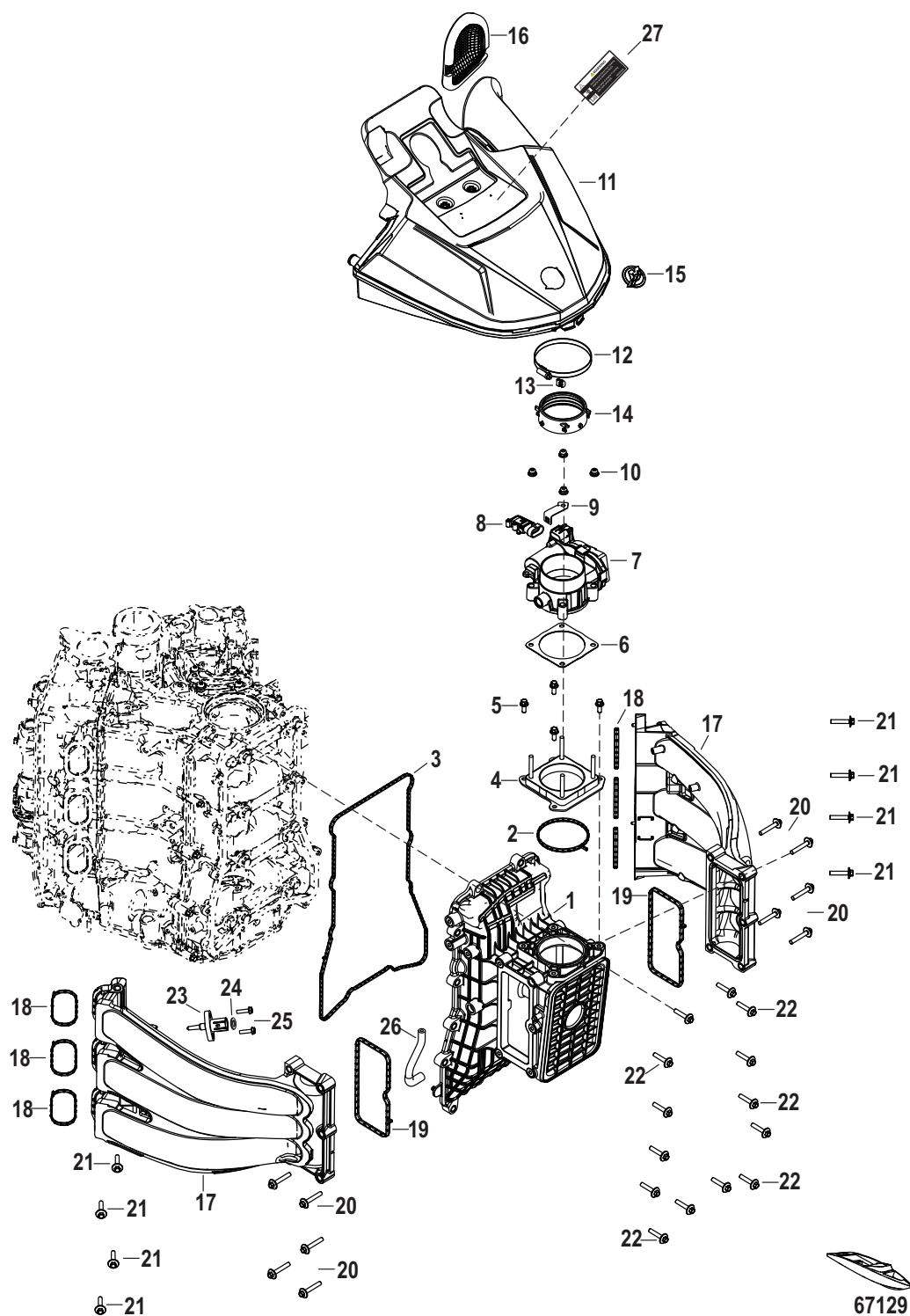
## Fuel Supply Module

| Ref # | Part Class | Part Number | Description                 | Comments | Qty | Note |
|-------|------------|-------------|-----------------------------|----------|-----|------|
| -     | 0000       | 8M0132732   | FUEL SUPPLY MODULE          |          | 1   |      |
| 1     | 0000       | 8M0053726   | FSM TOP HOUSING             |          | 1   |      |
| 2     | 0010       | 8M0053756   | SCREW Plastite W/ HX WSR HD |          | 4   |      |
| 3     |            | NSS         | NOT SOLD SEPARATE O-Ring    |          | 2   | [1]  |
| 4     |            | NSS         | NOT SOLD SEPARATE Spacer    |          | 1   | [1]  |
| 5     | 0000       | 8M0053749   | REGULATOR ASSEMBLY          |          | 1   |      |
| 6     |            | NSS         | NOT SOLD SEPARATE O-Ring    |          | 1   | [1]  |
| 7     |            | NSS         | NOT SOLD SEPARATE Seal      |          | 3   | [1]  |
| 8     | 0036       | 8M0130877   | FSM CAP                     |          | 1   |      |
| 9     |            | NSS         | NOT SOLD SEPARATE O-Ring    |          | 2   | [1]  |
| 10    | 0032       | 8M0053755   | TUBE Suction                |          | 1   |      |
| 11    |            | NSS         | NOT SOLD SEPARATE Seal      |          | 2   | [1]  |
| 12    | 0000       | 8M0103288   | PUMP ASSEMBLY High Pressure |          | 1   |      |
| 13    | 0000       | 8M0103289   | PUMP ASSEMBLY Low Pressure  |          | 1   |      |
| 14    |            | NSS         | NOT SOLD SEPARATE Seal      |          | 4   | [1]  |
| 15    |            | NSS         | NOT SOLD SEPARATE O-Ring    |          | 4   | [1]  |
| 16    | 0032       | 8M0120073   | TUBE Water                  |          | 2   |      |
| 17    | 0032       | 8M0130873   | TUBE Fuel                   |          | 2   |      |
| 18    |            | NSS         | NOT SOLD SEPARATE Seal      |          | 1   |      |
| 19    | 0000       | 8M0130878   | FSM BOTTOM HOUSING          |          | 1   |      |
| 20    | 0025       | 895319      | GROMMET                     |          | 1   |      |
| 21    | 0023       | 856954      | BUSHING                     |          | 1   |      |
| 22    | 0025       | 8M0086888   | GROMMET FSM Harness Spacer  |          | 1   | [1]  |
| 23    | 0084       | 8M6004776   | HARNESS ASSEMBLY            |          | 1   |      |
| 24    |            | NSS         | NOT SOLD SEPARATE O-Ring    |          | 1   | [1]  |
| 25    |            | NSS         | NOT SOLD SEPARATE O-Ring    |          | 1   | [1]  |
| -     | 0000       | 8M0133370   | FSM SEAL KIT                |          | 1   |      |

## PART NOTES:

[1] - Component of FSM Seal Kit 8M0133370

## Intake System

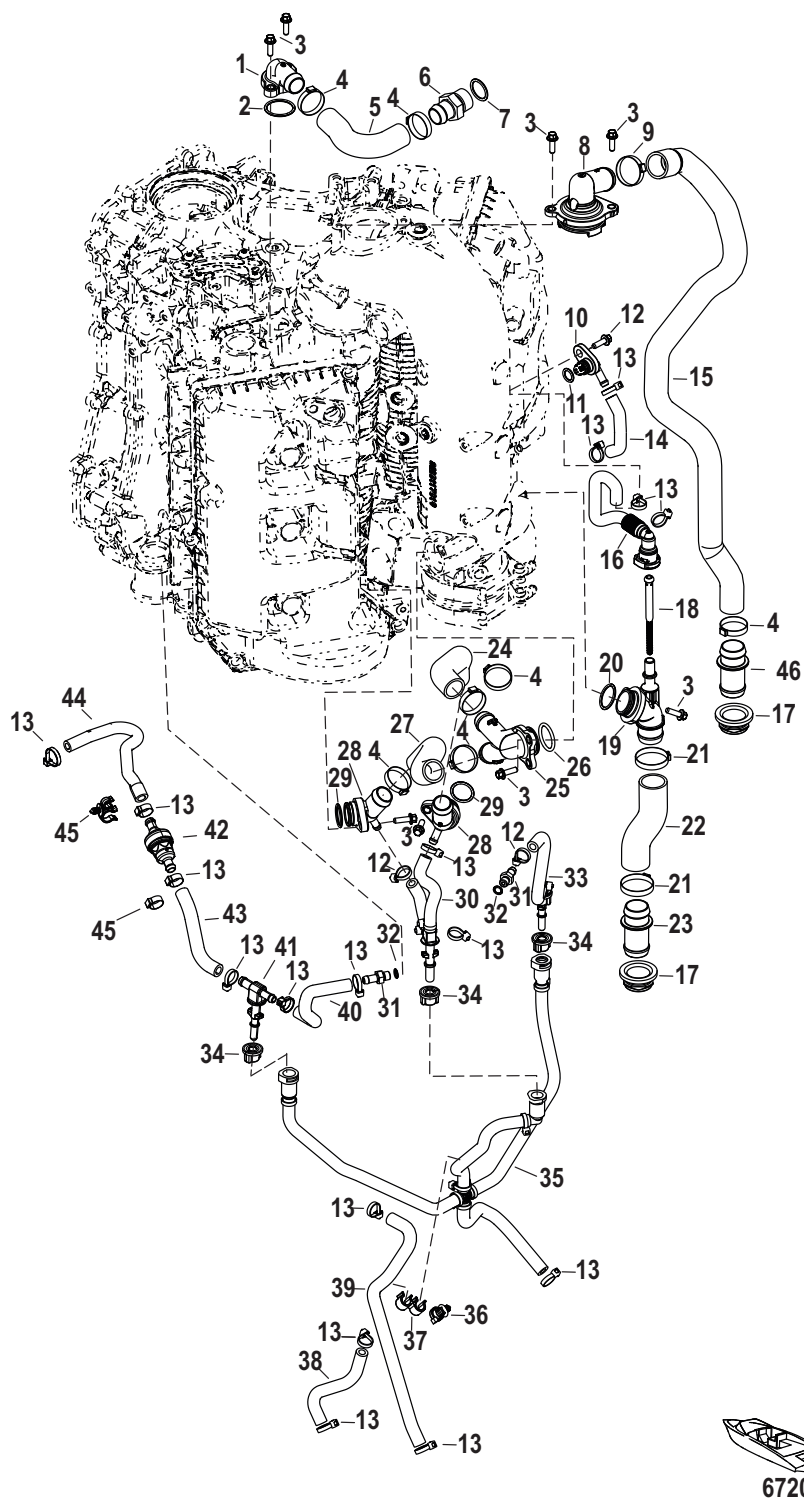


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## Intake System

| Ref # | Part Class | Part Number | Description                       | Comments | Qty | Note |
|-------|------------|-------------|-----------------------------------|----------|-----|------|
| 1     | 0000       | 8M0142562   | COVER Bedplate                    |          | 1   |      |
| 2     | 0027       | 8M0142564   | GASKET Throttle Body              |          | 1   |      |
| 3     | 0027       | 8M0142563   | GASKET Crankcase Cover            |          | 1   |      |
| 4     | 0000       | 8M0142567   | ISOLATOR ASSEMBLY                 |          | 1   |      |
| 5     | 0010       | 8M0103805   | SCREW (M6 x 16MM) Stainless Steel |          | 4   |      |
| 6     | 0027       | 8M0142568   | GASKET Throttle Body              |          | 1   |      |
| 7     | 0000       | 8M0142276   | THROTTLE BODY ASSEMBLY 64 MM      |          | 1   |      |
| 8     | 0000       | 8M0142690   | SENSOR MAP                        |          | 1   |      |
| 9     | 0000       | 8M0142550   | BRACKET MAP Sensor                |          | 1   |      |
| 10    | 0011       | 8M0147750   | NUT (M6)                          |          | 4   |      |
| 11    | 0000       | 8M0142246   | AIR INLET ASSEMBLY                |          | 1   |      |
| 12    | 0054       | 8M0142571   | CLAMP (70-90 MM) 9 MM WIDE        |          | 1   |      |
| 13    | 0019       | 8M0074363   | CAP                               |          | 1   |      |
| 14    | 0000       | 8M0146102   | SEAL Throttle Body                |          | 1   |      |
| 15    | 0037       | 8M0043700   | M-ICON Red, 39mm                  |          | 1   |      |
| 16    | 0035       | 8M0147749   | INTAKE SCREEN                     |          | 1   |      |
| 17    | 0000       | 8M0142565   | MANIFOLD Intake, Port             |          | 1   |      |
| 17    | 0000       | 8M0142560   | MANIFOLD Intake, Starboard        |          | 1   |      |
| 18    | 0027       | 8M0142548   | GASKET Intake Manifold            |          | 6   |      |
| 19    | 0027       | 8M0142561   | GASKET Runner Plenum              |          | 2   |      |
| 20    | 0010       | 8M0142553   | SCREW (M6 x 37)                   |          | 10  |      |
| 21    | 0010       | 8M0142554   | SCREW (M6 x 30)                   |          | 8   |      |
| 22    | 0010       | 8M0142555   | SCREW (M6 x 30)                   |          | 14  |      |
| 23    | 0000       | 891663001   | SENSOR ASSEMBLY Temperature       |          | 1   |      |
| 24    | 0027       | 8M0142578   | GASKET MAT Sensor                 |          | 1   |      |
| 25    | 0010       | 895054      | SCREW (M4 x 16 MM)                |          | 2   |      |
| 26    | 0032       | 8M0142566   | HOSE MAP Sensor                   |          | 1   |      |
| 27    | 0037       | 8M0142569   | DECAL Warning                     |          | 1   |      |

## Cooling System

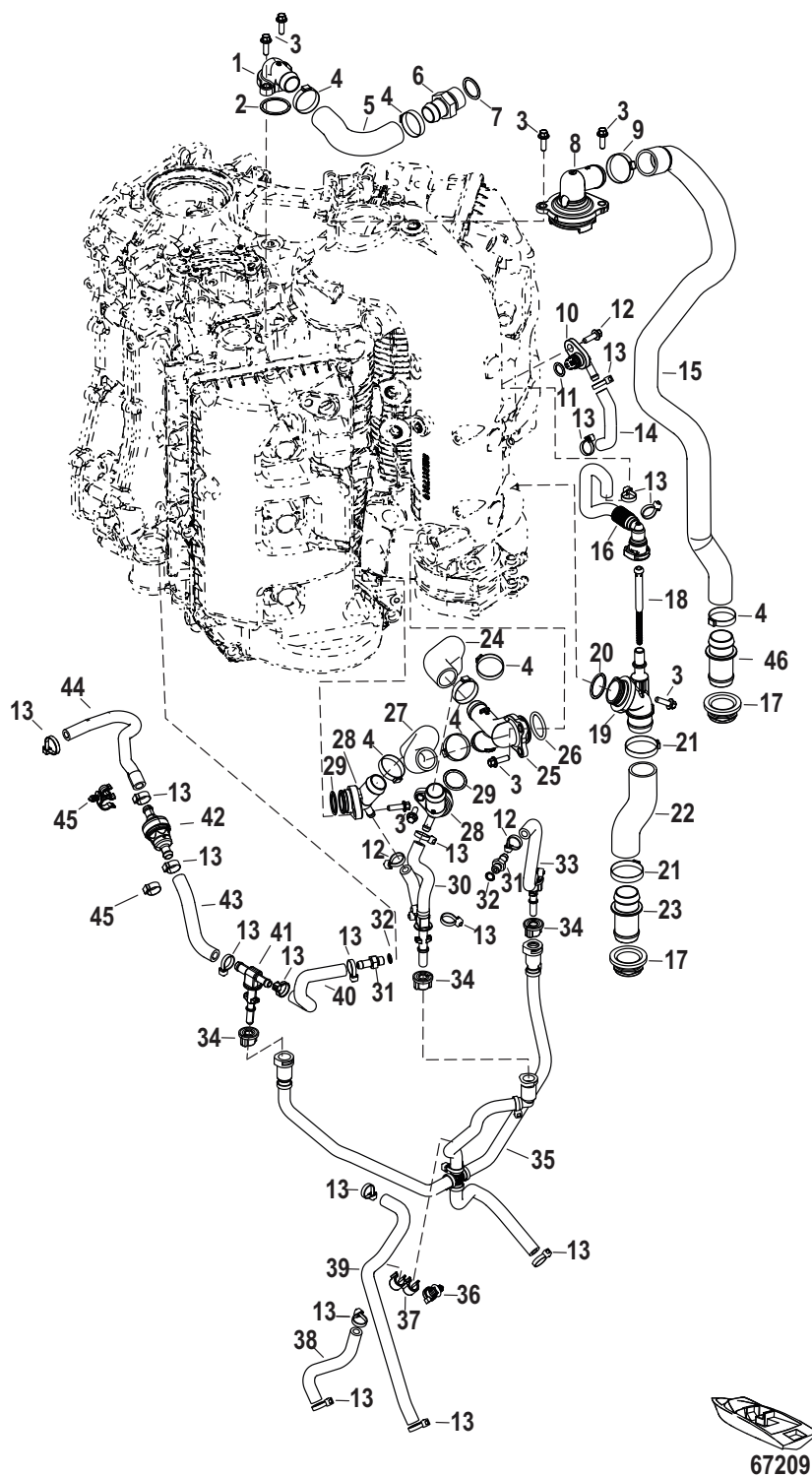


## Cooling System

| Ref # | Part Class | Part Number | Description                           | Comments                             | Qty | Note |
|-------|------------|-------------|---------------------------------------|--------------------------------------|-----|------|
| 1     | 0022       | 8M0142494   | FITTING                               | Water Outlet                         | 1   |      |
| 2     | 0025       | 35480       | O-RING (1.237 x .103)                 |                                      | 1   | [1]  |
| 3     | 0010       | 8M0103806   | SCREW (M6 x 20 MM) Stainless Steel    |                                      | 8   |      |
| 4     | 0054       | 8M0028753   | CLAMP Oetiker (31.6 Diameter)         |                                      | 6   |      |
| 5     | 0032       | 8M0142503   | HOSE Cooling                          | Port Cylinder to Exhaust             | 1   |      |
| 6     | 0022       | 8M0142516   | FITTING Barbed                        |                                      | 1   |      |
| 7     | 0025       | 8M0142517   | O-RING (23.6 MM ID X 2.9 MM)          |                                      | 1   | [1]  |
| 8     | 0000       | 8M0137816   | THERMOSTAT                            |                                      | 1   |      |
| 9     | 0054       | 888988008   | CLAMP (34.6 MM)                       |                                      | 1   |      |
| 10    | 0022       | 8M0142512   | FITTING Strainer                      |                                      | 1   |      |
| 11    | 0025       | 201951      | O-RING (.487 x .103)                  |                                      | 1   | [1]  |
| 12    | 0010       | 8M0103805   | SCREW (M6 x 16MM) Stainless Steel     |                                      | 1   |      |
| 13    | 0054       | 816311T     | TIE STRAP (8.00 Inches)               |                                      | 17  |      |
| 14    | 0032       | 8M0142513   | HOSE                                  | Water Sprayer Exhaust                | 1   |      |
| 15    | 0032       | 8M0142610   | HOSE Thermostat Outlet                |                                      | 1   |      |
| 16    | 0032       | 8M0142511   | HOSE                                  | Water Sprayer Exhaust                | 1   |      |
| 17    | 0025       | 8M0142501   | GROMMET                               | Chap Plate                           | 2   |      |
| 18    | 0000       | 8M0142515   | STRAINER Water                        |                                      | 1   |      |
| 19    | 0022       | 8M0142514   | FITTING Inlet                         |                                      | 1   |      |
| 20    | 0025       | 86614       | O-RING (1.049 x .103)                 |                                      | 1   |      |
| 21    | 0054       | 888988011   | CLAMP (38.1 MM)                       |                                      | 2   |      |
| 22    | 0032       | 8M0142612   | HOSE                                  | Water Inlet                          | 1   |      |
| 23    | 0022       | 8M0142506   | FITTING Connector                     |                                      | 1   |      |
| 24    | 0032       | 8M0142620   | HOSE                                  | Water to Starboard Cylinder Head     | 1   |      |
| 25    | 0022       | 8M0142507   | YFITTING                              | Exhaust to Cylinder Head             | 1   |      |
| 26    | 0025       | 26317       | O-RING                                |                                      | 1   | [1]  |
| 27    | 0032       | 8M0142621   | HOSE                                  | Water to Port Cylinder Head          | 1   |      |
| 28    | 0022       | 8M0142510   | FITTING                               | Water Inlet                          | 2   |      |
| 29    | 0025       | 29845       | O-RING (.924 x .103)                  |                                      | 2   | [1]  |
| 30    | 0032       | 8M0142518   | HOSE ASSEMBLY                         | Cylinder Head Drain                  | 1   |      |
| 31    | 0022       | 8M0142522   | FITTING Barbed                        |                                      | 2   |      |
| 32    | 0025       | 8M0142523   | O-RING (8.1 MM ID X 1.6MM)            |                                      | 2   | [1]  |
| 33    | 0032       | 8M0142498   | HOSE ASSEMBLY Water Outlet, Starboard |                                      | 1   |      |
| 34    | 0025       | 884546      | GROMMET                               |                                      | 3   |      |
| 35    | 0032       | 8M0142486   | HOSE ASSEMBLY                         | Water Drain Assembly                 | 1   |      |
| 36    | 0054       | 899145      | CLIP Tie Strap                        |                                      | 1   |      |
| 37    | 0000       | 888523001   | CLIP                                  |                                      | 1   |      |
| 38    | 0032       | 8M0142524   | HOSE                                  | Strainer to Fuel Supply Module Inlet | 1   |      |
| 39    | 0032       | 8M0142617   | HOSE                                  | Strainer to Mount Cooler             | 1   |      |
| 40    | 0032       | 8M0142496   | HOSE ASSEMBLY Water Outlet, Port      |                                      | 1   |      |
| 41    | 0022       | 8M0142497   | FITTING Flush Drain                   |                                      | 1   |      |

## Cooling System

## Cooling System



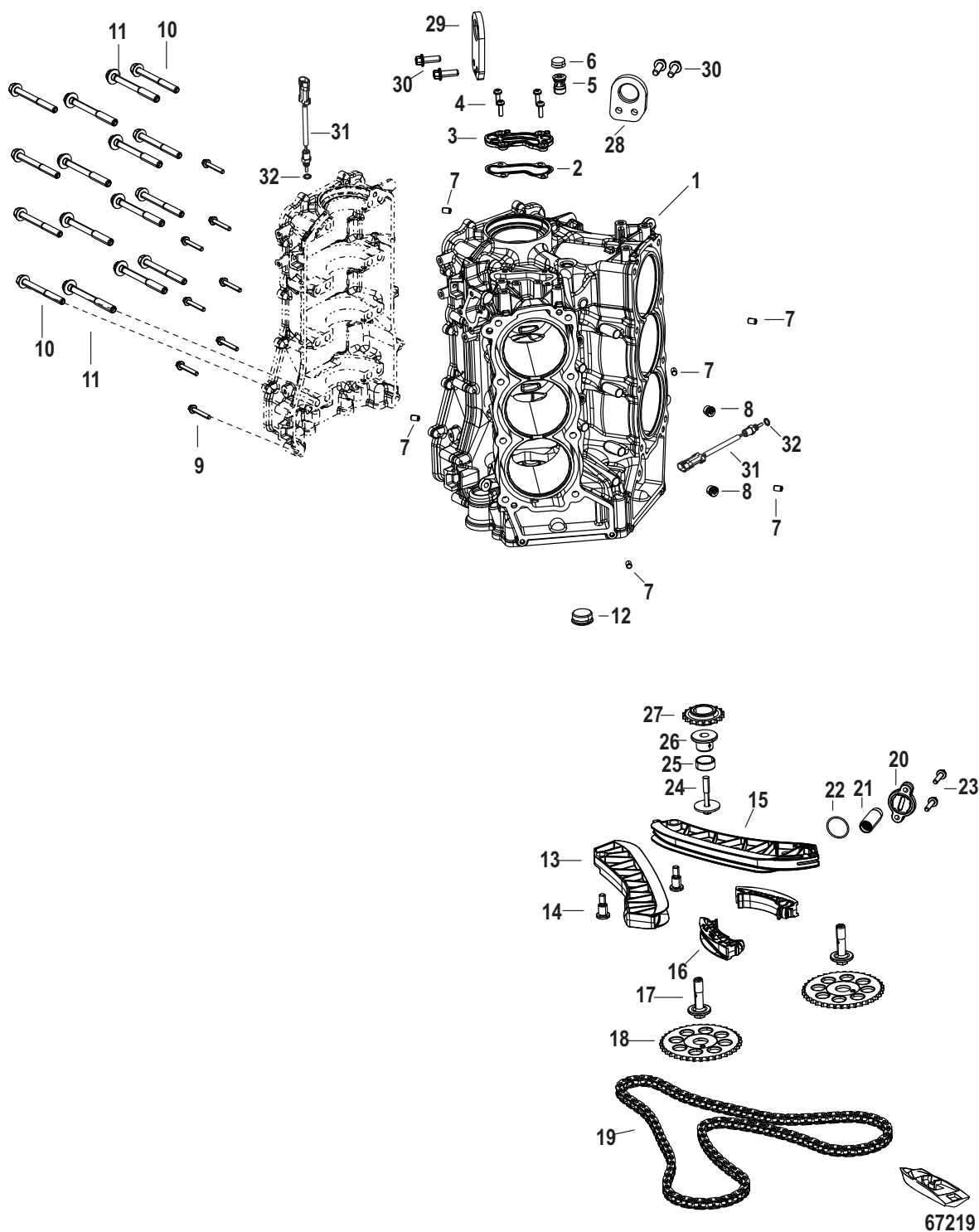
## Cooling System

| Ref # | Part Class | Part Number | Description         | Comments | Qty | Note |
|-------|------------|-------------|---------------------|----------|-----|------|
| 42    | 0032       | 8M0142528   | HOSE ASSEMBLY       | Flush    | 1   |      |
| 43    | 0032       | 8M0142530   | HOSE ASSEMBLY       |          | 1   |      |
| 44    | 0032       | 8M0142529   | HOSE                |          | 1   |      |
| 45    | 0054       | 8M0157397   | CLAMP Oetiker, 17.5 |          | 1   |      |
| 46    | 0054       | 8M0142531   | CLIP                |          | 1   |      |
| 47    | 0022       | 8M0142509   | FITTING Connector   |          | 1   |      |

**PART NOTES:**

[1] - Component of Powerhead Gasket Set 8M0142971

## Cylinder Block

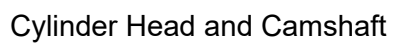


## Cylinder Block

| Ref # | Part Class | Part Number | Description                            | Comments | Qty | Note |
|-------|------------|-------------|----------------------------------------|----------|-----|------|
| 1     | 0800       | 8M0142343   | CYLINDER BLOCK                         |          | 1   |      |
| 2     | 0027       | 8M0142348   | GASKET Cover Plate                     |          | 1   | [1]  |
| 3     | 1000       | 8M0142349   | COVER                                  |          | 1   |      |
| 4     | 0010       | 8M0080651   | SCREW (M6 x 20)                        |          | 4   |      |
| 5     | 0019       | 8M0142352   | PLUG 18 MM                             |          | 1   |      |
| 6     | 0025       | 8M0142353   | O-RING (0.614 x 0.070)                 |          | 1   |      |
| 7     | 0017       | 893540      | PIN Dowel, 8x12 long                   |          | 6   |      |
| 8     | 0019       | 8M0087447   | PLUG (10MM)                            |          | 2   |      |
| 9     | 0010       | 8M0103809   | SCREW (M6 x 40 MM) Stainless Steel     |          | 8   |      |
| 10    | 0010       | 8M0142347   | SCREW (M10 x 96 MM) HEX FLG HD         |          | 8   |      |
| 11    | 0010       | 8M0142346   | SCREW (M11 x 107 MM) 12 POINT HEX HEAD |          | 8   |      |
| 12    | 0019       | 8M0087454   | PLUG (30 MM)                           |          | 1   |      |
| 13    | 0000       | 8M0142393   | GUIDE Cam Drive                        |          | 1   |      |
| 14    | 0010       | 8M0086569   | SCREW Shoulder (M8 x 1.25)             |          | 1   |      |
| 15    | 0000       | 8M0142392   | GUIDE Moveable                         |          | 1   |      |
| 16    | 0010       | 8M0142400   | GUIDE SHORT SPAN                       |          | 2   |      |
| 17    | 0010       | 8M0142395   | CAM BOLT M12 Special Left Hand         |          | 2   |      |
| 18    | 0000       | 8M0142390   | SPROCKET Camshaft                      |          | 2   |      |
| 19    | 0010       | 8M0142399   | CHAIN CAM DRIVE                        |          | 1   |      |
| 20    | 1100       | 8M0064752   | END CAP Cam Tensioner                  |          | 1   |      |
| 21    | 0000       | 8M0142394   | TENSIONER ASSEMBLY Timing Chain        |          | 1   |      |
| 22    | 0025       | 898836      | O-RING Brown                           |          | 1   | [1]  |
| 23    | 0010       | 8M0103807   | SCREW (M6 x 25 MM) Stainless Steel     |          | 2   |      |
| 24    | 0010       | 8M0142398   | SCREW (M8 x 45) HEX FL                 |          | 1   |      |
| 25    | 0023       | 8M0142397   | BUSHING Idler                          |          | 1   |      |
| 26    | 0000       | 8M0142396   | IDLER Journal                          |          | 1   |      |
| 27    | 0000       | 8M0142391   | SPROCKET Idler                         |          | 1   |      |
| 28    | 0000       | 8M0142448   | LIFTING EYE Starboard                  |          | 1   |      |
| 29    | 0000       | 8M0142600   | LIFTING EYE Port                       |          | 1   |      |
| 30    | 0010       | 8M0103821   | SCREW                                  |          | 4   |      |
| 31    | 0000       | 8M0142542   | SENSOR Temperature                     |          | 2   |      |
| 32    | 0025       | 896699      | O-RING (1.78 mm x .08 mm)              |          | 2   | [1]  |
| -     | 0061       | 8M0142278   | LONG BLOCK                             |          | 1   |      |
| -     | 0000       | 8M0142971   | GASKET SET Powerhead                   |          | 1   |      |

## PART NOTES:

[1] - Component of Powerhead Gasket Set 8M0142971

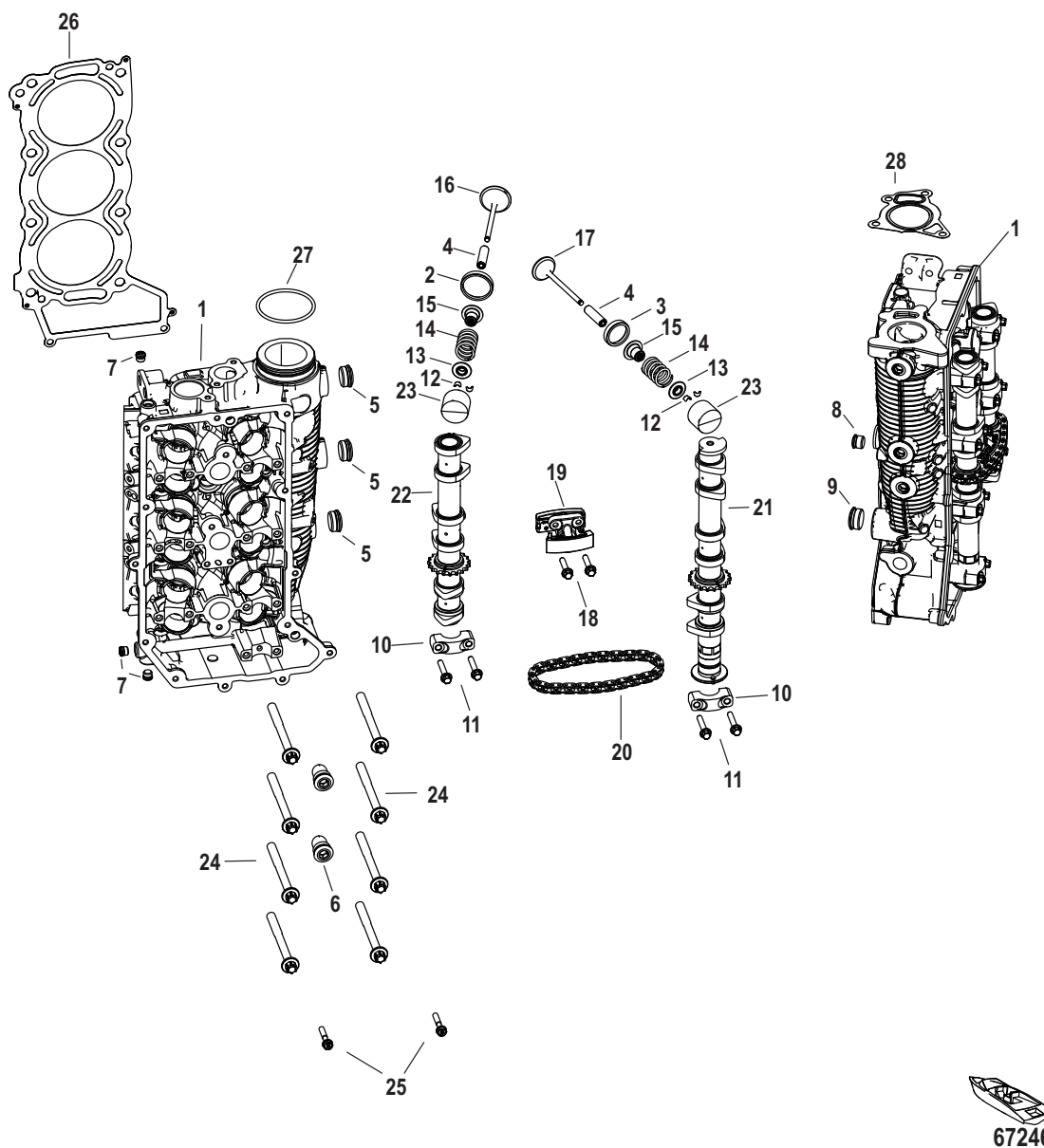


## Cylinder Head and Camshaft

| Ref # | Part Class | Part Number | Description                            | Comments      | Qty   | Note |
|-------|------------|-------------|----------------------------------------|---------------|-------|------|
| -     | 0900       | 8M0150217   | CYLINDER HEAD ASSEMBLY Port            |               | 1     |      |
| -     | 0900       | 8M0150216   | CYLINDER HEAD ASSEMBLY Starboard       |               | 1     |      |
| 1     | 0900       | 8M0148561   | CYLINDER HEAD ASSEMBLY Basic-Port      |               | 1     |      |
| 1     | 0900       | 8M0148560   | CYLINDER HEAD ASSEMBLY Basic-Starboard |               | 1     |      |
| 2     | 0000       | 8M0142354   | VALVE Seat, Intake                     |               | 12    |      |
| 3     | 0000       | 8M0142355   | VALVE Seat, Exhaust                    |               | 12    |      |
| 4     | 0000       | 8M0142358   | VALVE Guide                            |               | 24    |      |
| 5     | 0019       | 8M0087453   | PLUG (24 MM)                           |               | 6     |      |
| 6     | 0019       | 8M0142357   | PLUG 21 MM Special                     |               | 4     |      |
| 7     | 0019       | 8M0087447   | PLUG (10MM)                            |               | 8     |      |
| 8     | 0019       | 8M0087451   | PLUG (18MM)                            |               | 2     |      |
| 9     | 0019       | 8M0087454   | PLUG (30 MM)                           |               | 2     |      |
| 10    |            | NSS         | NOT SOLD SEPARATE                      | Cap- Camshaft | 14    |      |
| 11    | 0010       | 892454035   | BOLT (M6 x 36)                         |               | 28    |      |
| 12    | 0028       | 8M0142364   | VALVE Key                              |               | 24    |      |
| 13    | 0000       | 8M0142363   | RETAINER                               |               | 24    |      |
| 14    | 0024       | 8M0142360   | SPRING                                 |               | 24    |      |
| 15    | 0000       | 8M0142359   | SEAL Valve                             |               | 24    |      |
| 16    | 0000       | 8M0142361   | VALVE Intake                           |               | 12    |      |
| 17    | 0000       | 8M0142362   | VALVE Exhaust                          |               | 12    |      |
| 18    | 0010       | 892454030   | SCREW (M6 x 30)                        |               | 4     |      |
| 19    | 0000       | 8M0142367   | TENSIONER                              |               | 2     |      |
| 20    | 0000       | 8M0142366   | CHAIN Cam to Cam                       |               | 2     |      |
| 21    | 0400       | 8M0142374   | CAMSHAFT Exhaust, Port                 |               | 1     |      |
| 21    | 0400       | 8M0142372   | CAMSHAFT Exhaust, Starboard            |               | 1     |      |
| 22    | 0400       | 8M0142373   | CAMSHAFT Intake, Port                  |               | 1     |      |
| 22    | 0400       | 8M0142370   | CAMSHAFT Intake, Starboard             |               | 1     |      |
| 23    | 0000       | 8M0142365   | TAPPET (3.000)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142431   | TAPPET (3.015)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142439   | TAPPET (3.030)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142440   | TAPPET (3.045)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142441   | TAPPET (3.060)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142438   | TAPPET (3.075)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142495   | TAPPET (3.090)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142492   | TAPPET (3.105)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142443   | TAPPET (3.120)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142447   | TAPPET (3.135)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142464   | TAPPET (3.150)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142465   | TAPPET (3.165)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142466   | TAPPET (3.180)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142487   | TAPPET (3.195)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142488   | TAPPET (3.210)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142489   | TAPPET (3.225)                         |               | 24/AR |      |
| 23    | 0000       | 8M0142490   | TAPPET (3.240)                         |               | 24/AR |      |

## Cylinder Head and Camshaft

## Cylinder Head and Camshaft



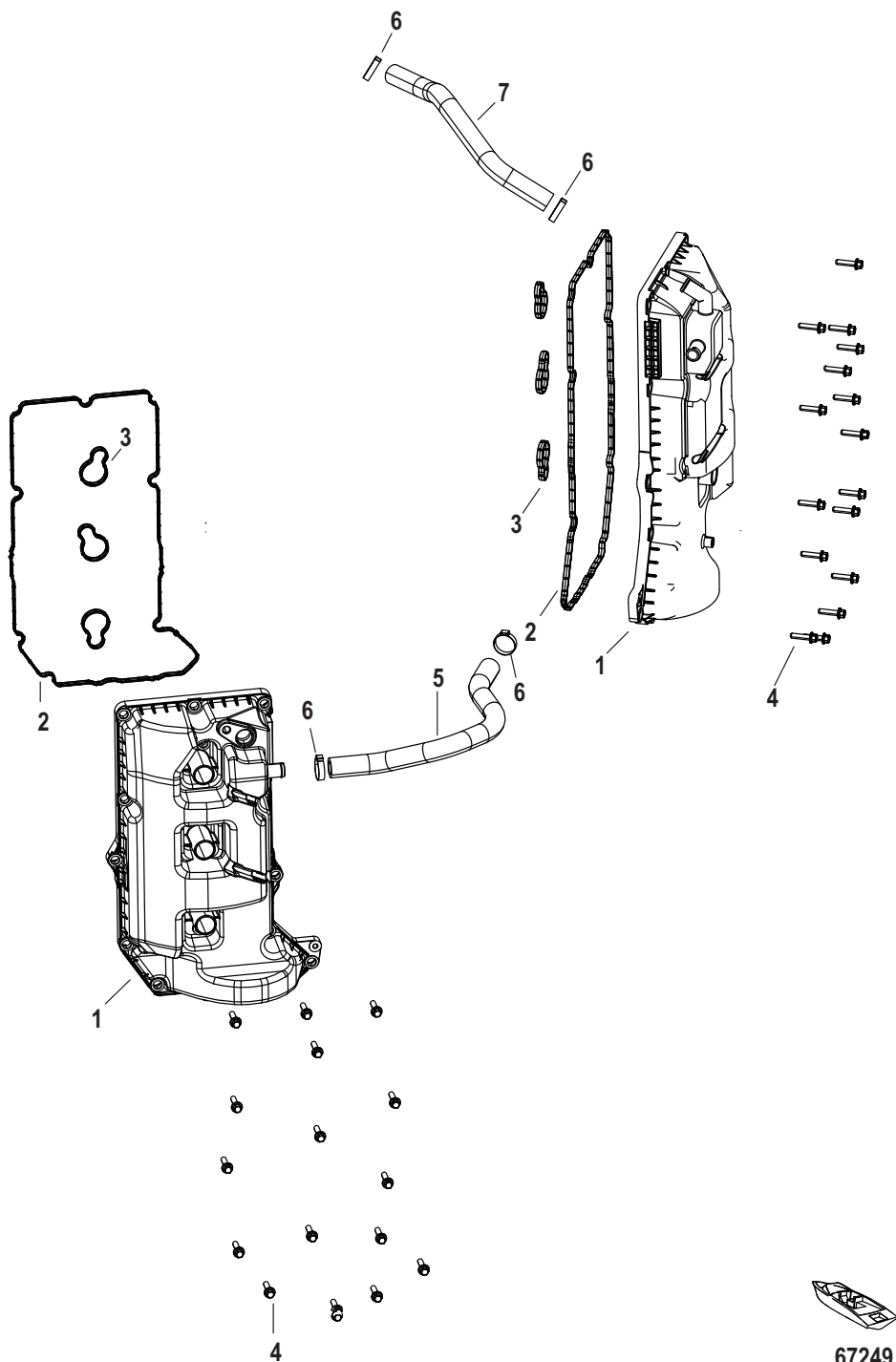
## Cylinder Head and Camshaft

| Ref # | Part Class | Part Number | Description                      | Comments | Qty   | Note |
|-------|------------|-------------|----------------------------------|----------|-------|------|
| 23    | 0000       | 8M0142491   | TAPPET (3.255)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142519   | TAPPET (3.270)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142520   | TAPPET (3.285)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142521   | TAPPET (3.300)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142525   | TAPPET (3.315)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142527   | TAPPET (3.330)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142532   | TAPPET (3.345)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142613   | TAPPET (3.360)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142252   | TAPPET (3.375)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142255   | TAPPET (3.390)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142256   | TAPPET (3.405)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142257   | TAPPET (3.420)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142258   | TAPPET (3.435)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142261   | TAPPET (3.450)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142263   | TAPPET (3.465)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142277   | TAPPET (3.480)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142291   | TAPPET (3.495)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142292   | TAPPET (3.510)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142666   | TAPPET (3.525)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142667   | TAPPET (3.540)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142668   | TAPPET (3.555)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142669   | TAPPET (3.570)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142670   | TAPPET (3.585)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142698   | TAPPET (3.600)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142699   | TAPPET (3.615)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142700   | TAPPET (3.630)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142701   | TAPPET (3.645)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142702   | TAPPET (3.660)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142703   | TAPPET (3.675)                   |          | 24/AR |      |
| 23    | 0000       | 8M0142704   | TAPPET (3.690)                   |          | 24/AR |      |
| 24    | 0010       | 8M0142369   | SCREW (M10 x 107) TORX FLG<br>HD |          | 16    |      |
| 25    | 0010       | 893754035   | SCREW (M6 X 35)                  |          | 4     |      |
| 26    | 0027       | 8M0142270   | GASKET Cylinder Head, Port       |          | 1     | [1]  |
| 26    | 0027       | 8M0142271   | GASKET Cylinder Head, Starboard  |          | 1     | [1]  |
| 27    | 0025       | 8M0142368   | O-RING (230 2.484 x .139)        |          | 1     | [1]  |
| 28    | 0027       | 8M0142537   | GASKET Exhaust Manifold          |          | 1     | [1]  |
| -     | 0061       | 8M0142278   | LONG BLOCK                       |          | 1     |      |
| -     | 0000       | 8M0142971   | GASKET SET Powerhead             |          | 1     |      |

## PART NOTES:

[1] - Component of Powerhead Gasket Set 8M0142971

# Camshaft Cover



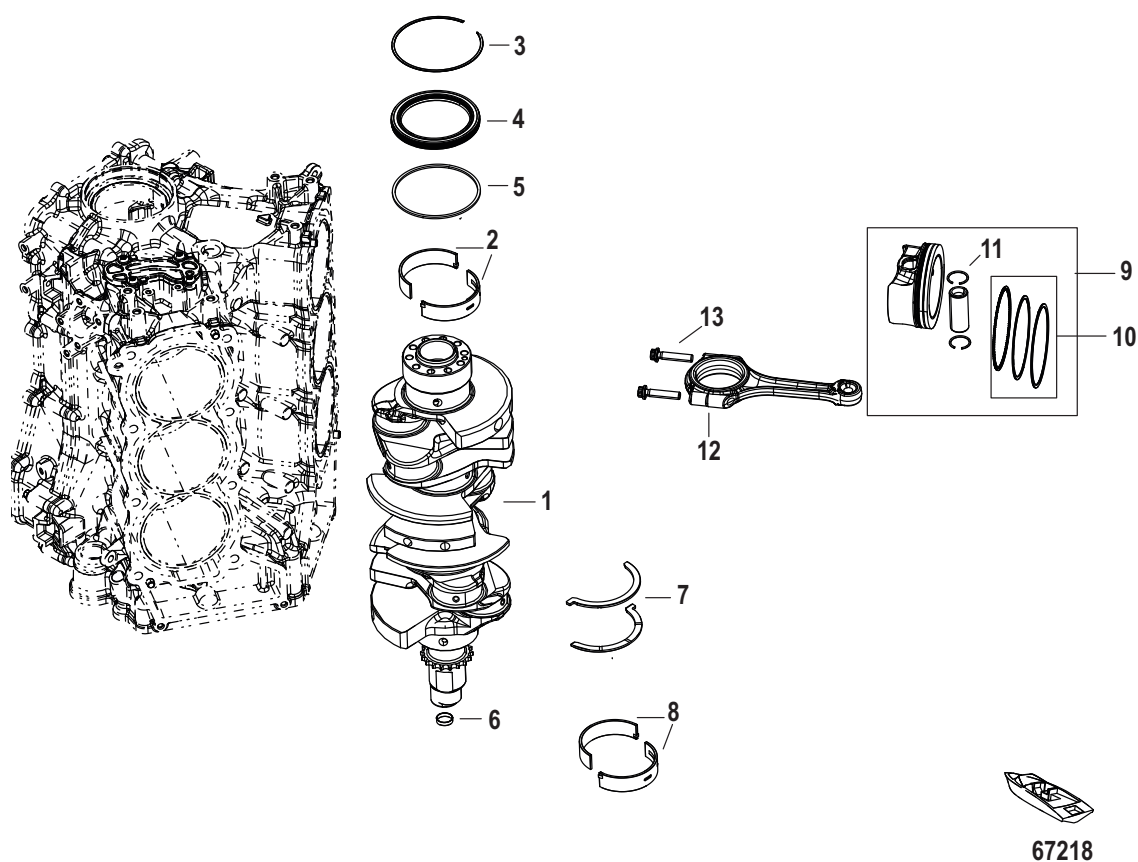
## Camshaft Cover

| Ref # | Part Class | Part Number | Description                          | Comments | Qty | Note |
|-------|------------|-------------|--------------------------------------|----------|-----|------|
| 1     | 0000       | 8M0142287   | CAMSHAFT COVER ASSEMBLY<br>Starboard |          | 1   |      |
| 1     | 0000       | 8M0142286   | CAMSHAFT COVER ASSEMBLY<br>Port      |          | 1   |      |
| 2     | 0025       | 8M0142289   | SEAL Camshaft Cover, Starboard       |          | 1   | [1]  |
| 2     | 0025       | 8M0142288   | SEAL Camshaft Cover, Port            |          | 1   | [1]  |
| 3     | 0025       | 8M0142285   | SEAL Spark Plug                      |          | 6   | [1]  |
| 4     | 0010       | 8M0022324   | SCREW (M6 x 25 MM)                   |          | 32  |      |
| 5     | 0032       | 8M0142472   | HOSE Port to Starboard Breather      |          | 1   |      |
| 6     | 0054       | 855228      | CLAMP                                |          | 4   |      |
| 7     | 0032       | 8M0142473   | HOSE Starboard Breather to Intake    |          | 1   |      |
| -     | 0000       | 8M0142971   | GASKET SET Powerhead                 |          | 1   |      |

**PART NOTES:**

[1] - Component of Powerhead Gasket Set 8M0142971

## Crankshaft, Pistons and Connecting Rods



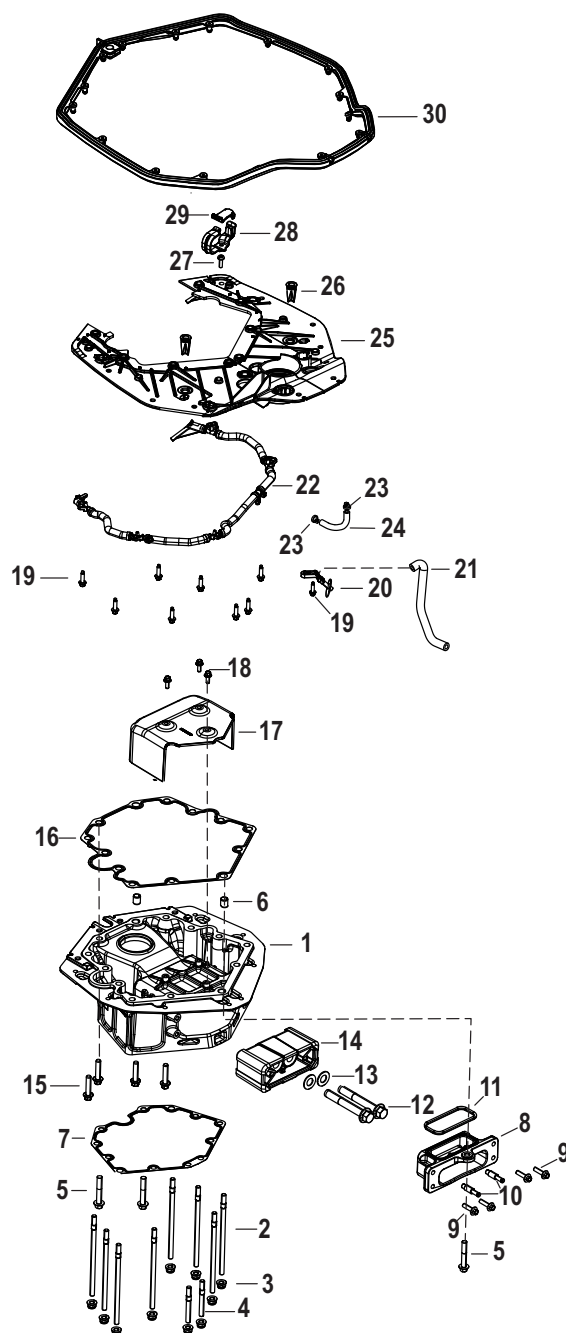
## Crankshaft, Pistons and Connecting Rods

| Ref # | Part Class | Part Number | Description                   | Comments | Qty | Note |
|-------|------------|-------------|-------------------------------|----------|-----|------|
| 1     | 0400       | 8M0142387   | CRANKSHAFT                    |          | 1   |      |
| 2     | 0023       | 8M0147959   | BEARING MAIN Green            |          | AR  |      |
| 2     | 0023       | 8M0147960   | BEARING MAIN Blue             |          | AR  |      |
| 2     | 0023       | 8M0147961   | BEARING MAIN White            |          | AR  |      |
| 2     | 0023       | 8M0147962   | BEARING MAIN Orange           |          | AR  |      |
| 3     | 0053       | 8M0142386   | RING RETAINING                |          | 1   |      |
| 4     | 0026       | 8M0142379   | SEAL Main Bearing             |          | 1   | [1]  |
| 5     | 0023       | 8M0142385   | SPACER                        |          | 1   |      |
| 6     | 0025       | 8M0034912   | O-RING 3.78 X 21.32           |          | 1   | [1]  |
| 7     | 0012       | 8M0142380   | WASHER THRUST                 |          | 2   |      |
| 8     | 0000       | 8M0142539   | BEARING Connecting Rod, Green |          | AR  |      |
| 8     | 0000       | 8M0142351   | BEARING Connecting Rod, Blue  |          | AR  |      |
| 8     | 0000       | 8M0142597   | BEARING Connecting Rod, White |          | AR  |      |
| 9     | 0700       | 8M0142575   | PISTON ASSEMBLY               |          | 6   |      |
| 10    | 0039       | 8M0142381   | PISTON RING ASSEMBLY          |          | 6   |      |
| 11    | 0040       | 8M0142383   | CIRCLIP                       |          | 12  |      |
| 12    | 0600       | 8M0142375   | CONNECTING ROD                |          | 6   |      |
| 13    | 0010       | 8M6002637   | BOLT Connecting Rod           |          | 12  |      |
| -     | 0061       | 8M0142278   | LONG BLOCK                    |          | 1   |      |
| -     | 0000       | 8M0142971   | GASKET SET Powerhead          |          | 1   |      |

## PART NOTES:

[1] - Component of Powerhead Gasket Set 8M0142971

## Adapter Plate

  
67142

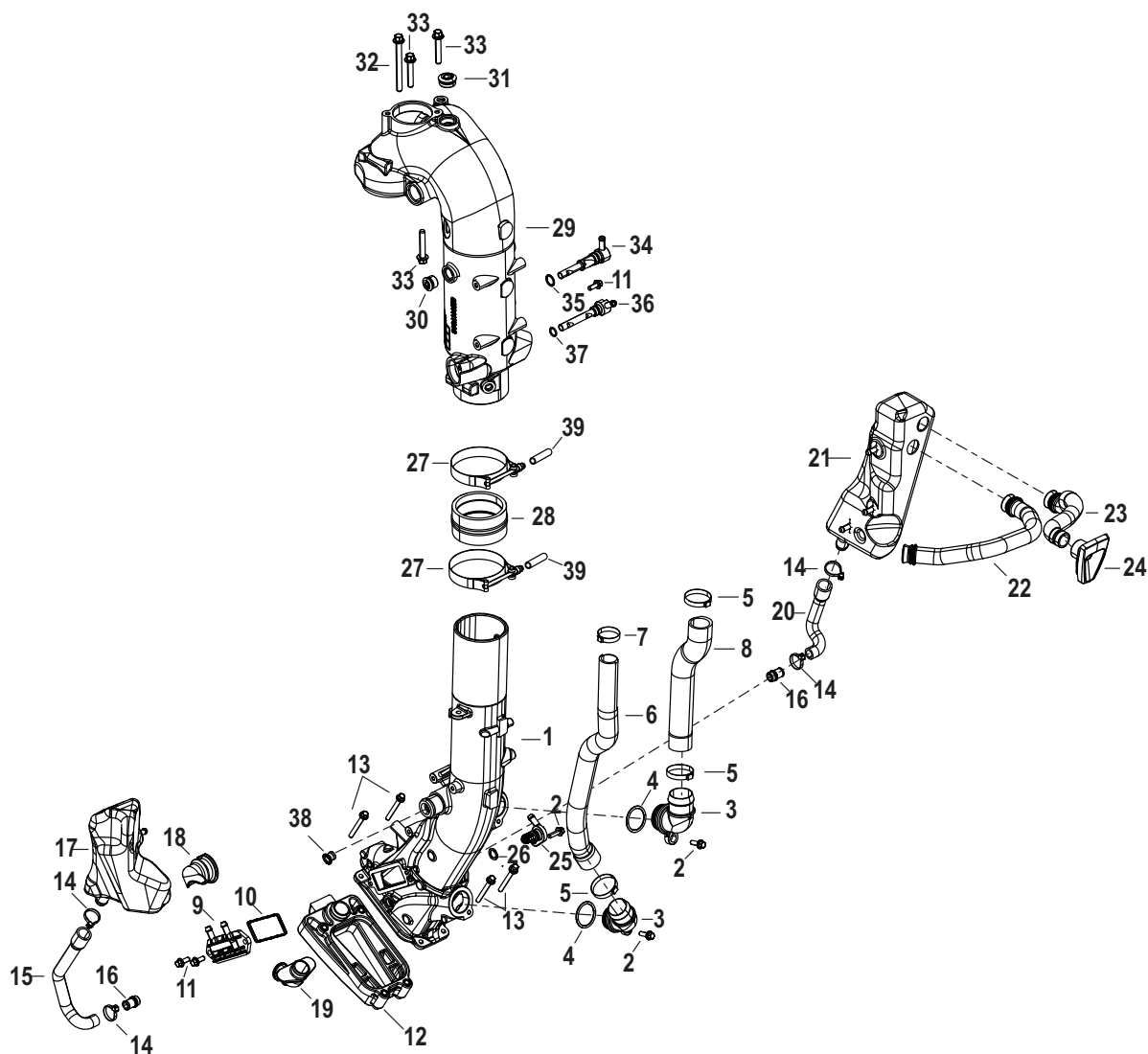
## Adapter Plate

| Ref # | Part Class | Part Number | Description                       | Comments                            | Qty | Note |
|-------|------------|-------------|-----------------------------------|-------------------------------------|-----|------|
| 1     | 0000       | 8M0142705   | ADAPTER PLATE                     |                                     | 1   |      |
| 2     | 0016       | 8M0142744   | STUD (M10 x 185)                  |                                     | 8   |      |
| 3     | 0011       | 8M0142743   | NUT (M10 x 1.5)                   |                                     | 10  |      |
| 4     | 0016       | 8M0142746   | STUD (M10 x 81.5)                 |                                     | 2   |      |
| 5     | 0010       | 8M0069690   | SCREW (M10 X 1.5 X 60)            |                                     | 3   |      |
| 6     | 0017       | 821327      | PIN Dowel                         |                                     | 2   |      |
| 7     | 0027       | 8M0142275   | GASKET                            | Adapter Plate to Driveshaft Housing | 1   | [1]  |
| 8     | 0000       | 8M0142742   | BRACKET Upper Mount               | Steering Arm                        | 1   |      |
| 9     | 0010       | 4010730     | SCREW (M8 x 30)                   |                                     | 4   |      |
| 10    | 0022       | 8M0038205   | FITTING Straight                  |                                     | 2   |      |
| 11    | 0026       | 8M0142745   | SEAL Upper Mount Bracket          |                                     | 1   | [1]  |
| 12    | 0010       | 8M0142981   | SCREW (M14x2.00x100) Hex Flg Hd   |                                     | 2   |      |
| 13    | 0012       | 8M0142711   | WASHER (28.4 MM x 1.6 MM)         |                                     | 2   |      |
| 14    | 0000       | 8M0142706   | MOUNT UPPER                       |                                     | 1   |      |
| 15    | 0010       | 8M0103823   | SCREW                             |                                     | 4   |      |
| 16    | 0027       | 8M0142274   | GASKET                            | Adapter Plate to Cylinder Block     | 1   | [1]  |
| 17    | 0000       | 8M0142982   | SHIELD Oil Deflector              |                                     | 1   |      |
| 18    | 0010       | 8M0103805   | SCREW (M6 x 16MM) Stainless Steel |                                     | 3   |      |
| 19    | 0010       | 8M0142708   | SCREW (M6)                        |                                     | 9   |      |
| 20    | 0000       | 8M0142748   | FITTING                           | Tell Tale                           | 1   |      |
| 21    | 0032       | 8M0142619   | HOSE                              | Tell Tale to FSM                    | 1   |      |
| 22    | 0000       | 8M0146171   | HOSE ASSEMBLY Sprayer             |                                     | 1   |      |
| 23    | 0054       | 816311T     | TIE STRAP (8.00 Inches)           |                                     | 2   |      |
| 24    | 0032       | 8M0142618   | HOSE                              |                                     | 1   |      |
| 25    | 0000       | 8M0142707   | PLATE                             |                                     | 1   |      |
| 26    | 0000       | 8M0142710   | DRAIN Cowl                        |                                     | 2   |      |
| 27    | 0010       | 8M0142830   | SCREW (M6 x 20)                   |                                     | 1   |      |
| 28    | 0000       | 8M0142831   | LATCH Bottom                      |                                     | 1   |      |
| 29    | 0000       | 8M0142832   | LATCH Top                         |                                     | 1   |      |
| 30    | 0000       | 8M0142917   | SEAL Adapter Plate                |                                     | 1   |      |
| -     | 0000       | 8M0142971   | GASKET SET Powerhead              |                                     | 1   |      |

## PART NOTES:

[1] - Component of Powerhead Gasket Set 8M0149551

## Exhaust



67150

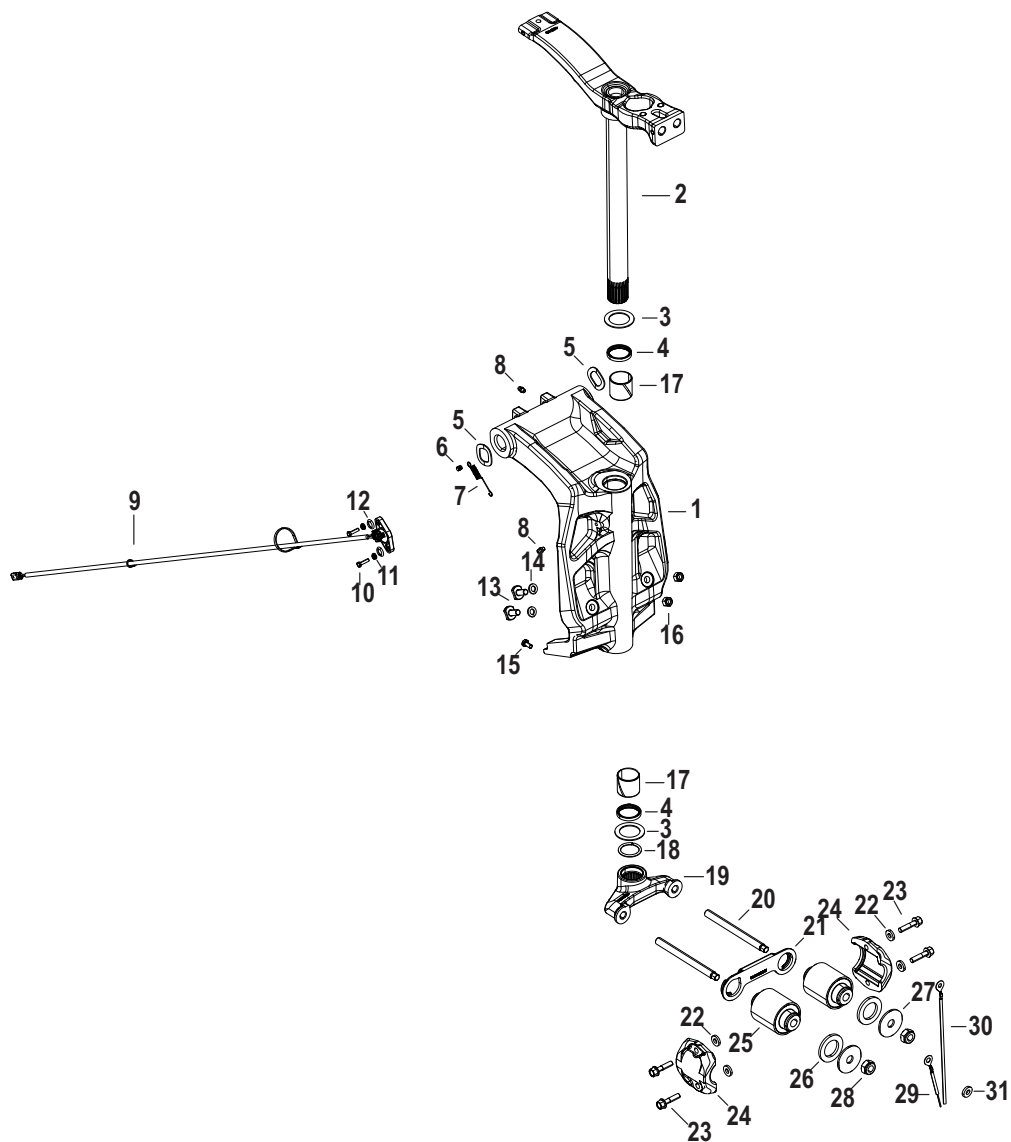
## Exhaust

| Ref # | Part Class | Part Number | Description                        | Comments        | Qty | Note |
|-------|------------|-------------|------------------------------------|-----------------|-----|------|
| 1     | 0000       | 8M0142728   | PIPE Exhaust                       |                 | 1   |      |
| 2     | 0010       | 8M0103806   | SCREW (M6 x 20 MM) Stainless Steel |                 | 3   |      |
| 3     | 0022       | 8M0142731   | FITTING ELBOW                      |                 | 2   |      |
| 4     | 0025       | 86614       | O-RING (1.049 x .103)              |                 | 2   | [1]  |
| 5     | 0054       | 888988011   | CLAMP (38.1 MM)                    |                 | 3   |      |
| 6     | 0032       | 8M0142727   | TUBE Water Outlet                  |                 | 1   |      |
| 7     | 0054       | 8M0028753   | CLAMP Oetiker (31.6 Diameter)      |                 | 1   |      |
| 8     | 0032       | 8M0142725   | TUBE Water Inlet                   |                 | 1   |      |
| 9     | 0035       | 8M0142719   | STRAINER ASSEMBLY                  |                 | 1   |      |
| 10    | 0026       | 8M0142720   | SEAL                               |                 | 1   |      |
| 11    | 0010       | 8M0103805   | SCREW (M6 x 16MM) Stainless Steel  |                 | 3   |      |
| 12    | 0025       | 8M0142721   | GROMMET Exhaust                    |                 | 1   |      |
| 13    | 0010       | 8M0142726   | SCREW (M6)                         |                 | 4   |      |
| 14    | 0054       | 816311T     | TIE STRAP (8.00 Inches)            |                 | 4   |      |
| 15    | 0032       | 8M0142738   | HOSE                               | Drain-Port      | 1   |      |
| 16    | 0022       | 8M0142729   | FITTING                            |                 | 2   |      |
| 17    | 0042       | 8M0142734   | MUFFLER ASSEMBLY Port              |                 | 1   |      |
| 18    | 0000       | 8M0142740   | GROMMET                            |                 | 1   |      |
| 19    | 0022       | 8M0142732   | FITTING ELBOW                      |                 | 1   |      |
| 20    | 0032       | 8M0142739   | HOSE                               | Drain-Starboard | 1   |      |
| 21    | 0042       | 8M0142735   | MUFFLER ASSEMBLY Starboard         |                 | 1   |      |
| 22    | 0032       | 8M0142741   | HOSE Crossover, Idle Relief        |                 | 1   |      |
| 23    | 0032       | 8M0142737   | HOSE Idle Relief                   |                 | 1   |      |
| 24    | 0025       | 8M0142736   | GROMMET                            |                 | 1   |      |
| 25    | 0000       | 8M0142730   | FITTING                            |                 | 1   |      |
| 26    | 0025       | 201951      | O-RING (.487 x .103)               |                 | 1   |      |
| 27    | 0054       | 8M0142541   | CLAMP (93.7 MM DIA)                |                 | 2   |      |
| 28    | 0000       | 8M0142538   | COUPLING                           |                 | 1   |      |
| 29    | 0000       | 8M0142535   | MANIFOLD Exhaust                   |                 | 1   |      |
| 30    | 0019       | 8M0087451   | PLUG (18MM)                        |                 | 1   |      |
| 31    | 0019       | 8M0087453   | PLUG (24 MM)                       |                 | 1   |      |
| 32    | 0010       | 8M0142533   | SCREW (M8 x 85)                    |                 | 1   |      |
| 33    | 0010       | 88552645    | SCREW (M8X45)                      |                 | 3   |      |
| 34    | 0000       | 8M0142534   | FITTING Sprayer                    |                 | 1   |      |
| 35    | 0025       | 892446      | O-RING (14 X 1.78 MM)              |                 | 1   | [1]  |
| 36    | 0022       | 8M0142536   | FITTING Sprayer                    |                 | 1   |      |
| 37    | 0025       | 863006      | O-RING (10.82 x 1.78)              |                 | 1   | [1]  |
| 38    | 0000       | 8M0142499   | REDUCER Lower Relief Muffler       |                 | 1   |      |
| 39    | 0019       | 8M0148727   | CAP Vinyl                          |                 | 2   |      |
| -     | 0000       | 8M0142971   | GASKET SET Powerhead               |                 | 1   |      |

## PART NOTES:

[1] - Component of Powerhead Gasket Set 8M0142971

## Swivel Bracket and Steering Arm

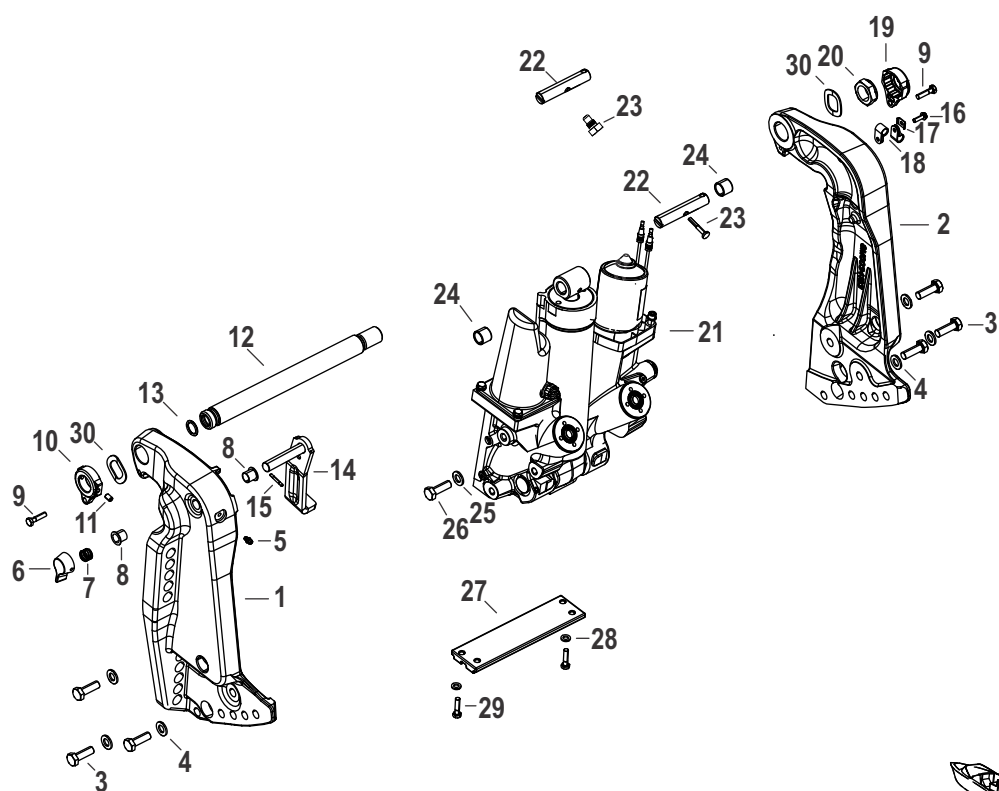
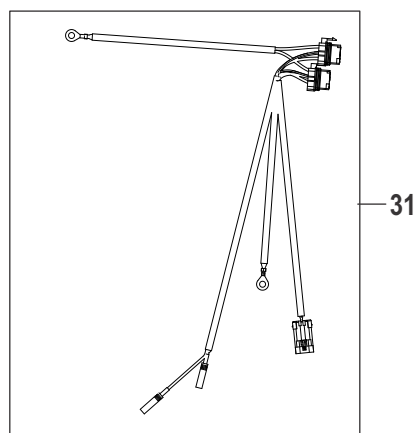


  
67168

## Swivel Bracket and Steering Arm

| Ref # | Part Class | Part Number | Description                            | Comments | Qty | Note |
|-------|------------|-------------|----------------------------------------|----------|-----|------|
| 1     | 0400       | 8M0142794   | SWIVEL BRACKET                         |          | 1   |      |
| 2     | 0000       | 8M0142803   | STEERING ARM Black                     |          | 1   |      |
| 3     | 0012       | 816432      | THRUST WASHER                          |          | 2   |      |
| 4     | 0026       | 8M0034870   | SEAL Swivel Tube                       |          | 2   |      |
| 5     | 0013       | 88750       | WASHER                                 |          | 1   |      |
| 6     | 0017       | 893709      | PIN                                    |          | 1   |      |
| 7     | 0024       | 830899      | SPRING Tension                         |          | 1   |      |
| 8     | 0022       | 74036       | FITTING Grease                         |          | 2   |      |
| 9     | 0000       | 8M0142805   | TRIM POSITION SENSOR                   |          | 1   |      |
| 10    | 0010       | 852368      | SCREW (#10-24 x .750)                  |          | 2   |      |
| 11    | 0013       | 26996       | LOCKWASHER (#10) Stainless Steel       |          | 2   |      |
| 12    | 0012       | 89302       | WASHER (.203 x .406 x .040)            |          | 2   |      |
| 13    | 0000       | 8M0045383   | STRIKER PLATE                          |          | 2   |      |
| 14    | 0013       | 58643       | LOCKWASHER (.375)                      |          | 2   |      |
| 15    | 0010       | 73286       | SCREW (.250-20 x .500) Stainless Steel |          | 1   |      |
| 16    | 0011       | 46335       | NUT (.375-24)                          |          | 2   |      |
| 17    | 0023       | 8M0141339   | BUSHING Swivel Tube Pivot              |          | 1   |      |
| 18    | 0053       | 67684       | RING Retaining                         |          | 1   |      |
| 19    | 0000       | 8M0142797   | YOKE                                   |          | 1   |      |
| 20    | 0016       | 8M0142798   | STUD (M14 x 146)                       |          | 2   |      |
| 21    | 0000       | 8M0142796   | MOUNT Snubber                          |          | 1   |      |
| 22    | 0012       | 847541      | WASHER                                 |          | 2   |      |
| 23    | 0010       | 81893435    | SCREW (M8 x 35)                        |          | 2   |      |
| 24    | 0000       | 8M0142802   | COVER Lower Mount                      |          | 2   |      |
| 25    | 0000       | 813771003   | MOUNT Lower                            |          | 2   |      |
| 26    | 0012       | 8M0142795   | WASHER (1.25 x 19)                     |          | 2   |      |
| 27    | 0012       | 815432      | WASHER (.562 x 2.00 x .125)            |          | 2   |      |
| 28    | 0011       | 896602      | NUT (M14)                              |          | 2   |      |
| 29    | 0000       | 8M0142799   | CABLE ASSEMBLY                         |          | 1   |      |
| 30    | 0000       | 8M0147677   | CABLE ASSEMBLY 10 IN                   |          | 1   |      |
| 31    | 0012       | 825190      | WASHER                                 |          | 1   |      |

## Power Trim/Transom Assembly



66222

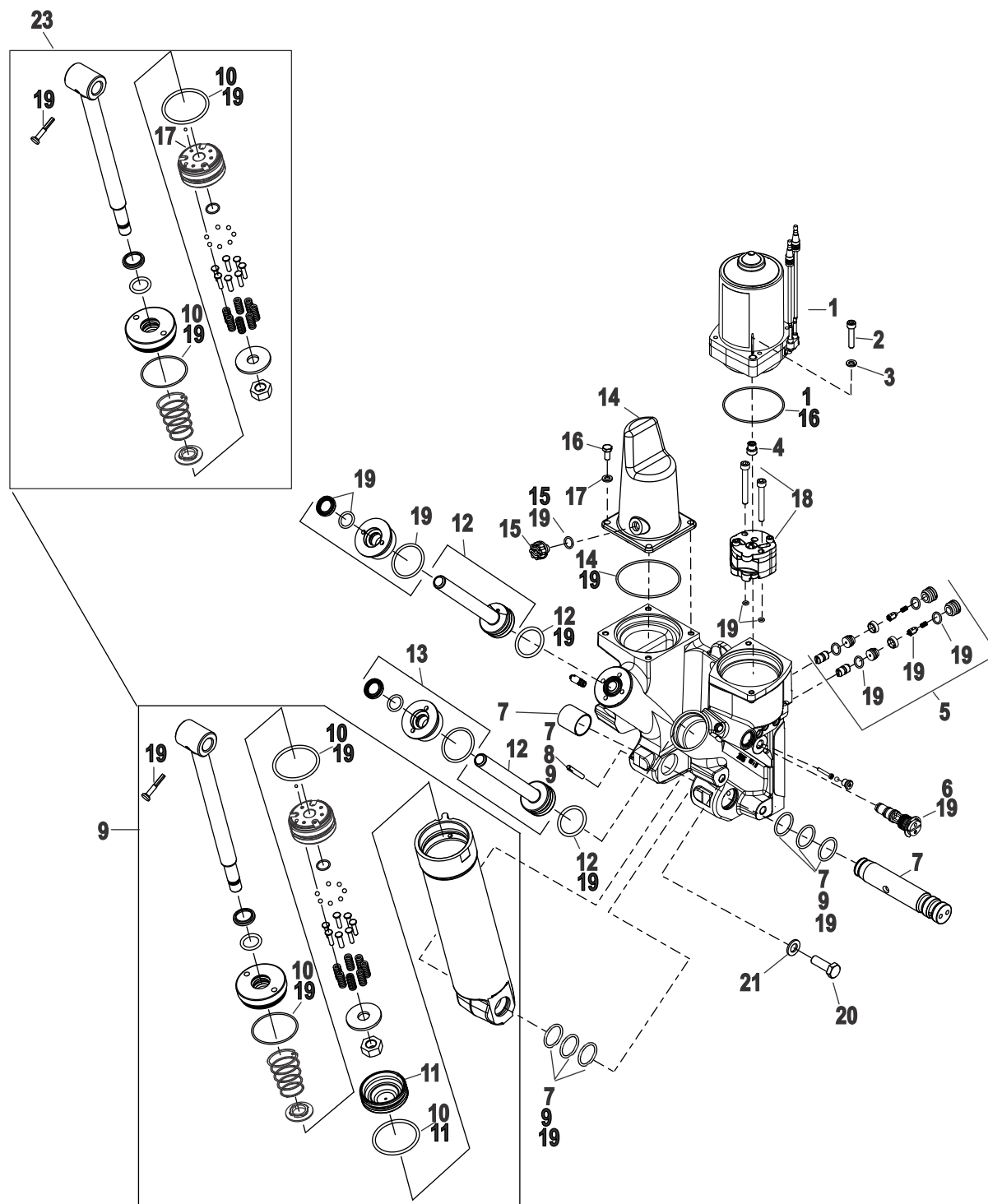
## Power Trim/Transom Assembly

| Ref # | Part Class | Part Number | Description                                    | Comments | Qty | Note |
|-------|------------|-------------|------------------------------------------------|----------|-----|------|
| 1     | 1400       | 8M0142800   | BRACKET Transom, Port                          | Black    | 1   |      |
| 2     | 1400       | 8M0142801   | BRACKET Transom, Starboard                     | Black    | 1   |      |
| 3     | 0010       | 858771      | SCREW (M10 x 30)                               |          | 2   |      |
| 4     | 0012       | 4002319     | WASHER                                         |          | 2   |      |
| 5     | 0022       | 98727       | FITTING Grease                                 |          | 1   |      |
| 6     | 0000       | 99633       | KNOB                                           |          | 1   |      |
| 7     | 0024       | 830900      | SPRING Compression                             |          | 1   |      |
| 8     | 0023       | 65830       | NYLINER                                        |          | 2   |      |
| 9     | 0010       | 4000330     | SCREW (M6 x 25)                                |          | 2   |      |
| 10    | 0011       | 8M0146189   | NUT TILT TUBE LOCK Black                       |          | 1   |      |
| 11    | 0010       | 8M0142811   | SCREW                                          |          | 1   |      |
| 12    | 0000       | 8M0147844   | TILT TUBE                                      |          | 1   |      |
| 13    | 0025       | 8M0142810   | O-RING (0.612 x .0103)                         |          | 1   |      |
| 14    | 0000       | 8M0115104   | LEVER ASSEMBLY Tilt Lock                       |          | 1   |      |
| 15    | 0017       | 99615       | PIN Groove                                     |          | 1   |      |
| 16    | 0010       | 878609      | SCREW (#10-16 x .600)                          |          | 1   |      |
| 17    | 0000       | 8M0084613   | C-WASHER                                       |          | 3   |      |
| 18    | 0054       | 22740       | CLIP                                           |          | 2   |      |
| 19    | 0000       | 8M0142809   | BRACKET Tilt Tube                              |          | 1   |      |
| 20    | 0011       | 826164      | NUT (.875-14)                                  |          | 1   |      |
| 21    | 0000       | 8M0142341   | POWER TRIM ASSEMBLY                            |          | 1   |      |
| 22    | 0017       | 8M0094889   | PIN                                            |          | 1   |      |
| 22    | 0017       | 8M0164978   | PIN ROD EYE ASSEMBLY                           |          | 1   |      |
| 23    | 0017       | 821539      | PIN Trilobe                                    |          | 1   |      |
| 23    | 0010       | 8M0050058   | SCREW 5/16-24 X .5                             |          | 1   |      |
| 24    | 0023       | 821207      | BUSHING                                        |          | 2   |      |
| 25    | 0012       | 4002319     | WASHER                                         |          | 1   |      |
| 26    | 0010       | 858771      | SCREW (M10 x 30)                               |          | 1   |      |
| 27    | 0097       | 818298Q1    | ANODE KIT                                      |          | 1   | [1]  |
| 28    | 0012       | 29245       | WASHER (.281 x .500 x .060)<br>Stainless Steel |          | 2   |      |
| 29    | 0010       | 4000330     | SCREW (M6 x 25)                                |          | 2   |      |
| 30    | 0013       | 88750       | WASHER                                         |          | 2   |      |
| 31    | 0084       | 8M0142682   | WIRE HARNESS Trim                              |          | 1   |      |

## PART NOTES:

- [1] - Alternate part numbers:
- 818298A 1Service Part
  - 818298Q 1QS
  - 818298T 1MPP
  - 818298T 3Magnesium
  - 8M0059343Bulk Pack

## Power Trim Components Plastic Motor Housing

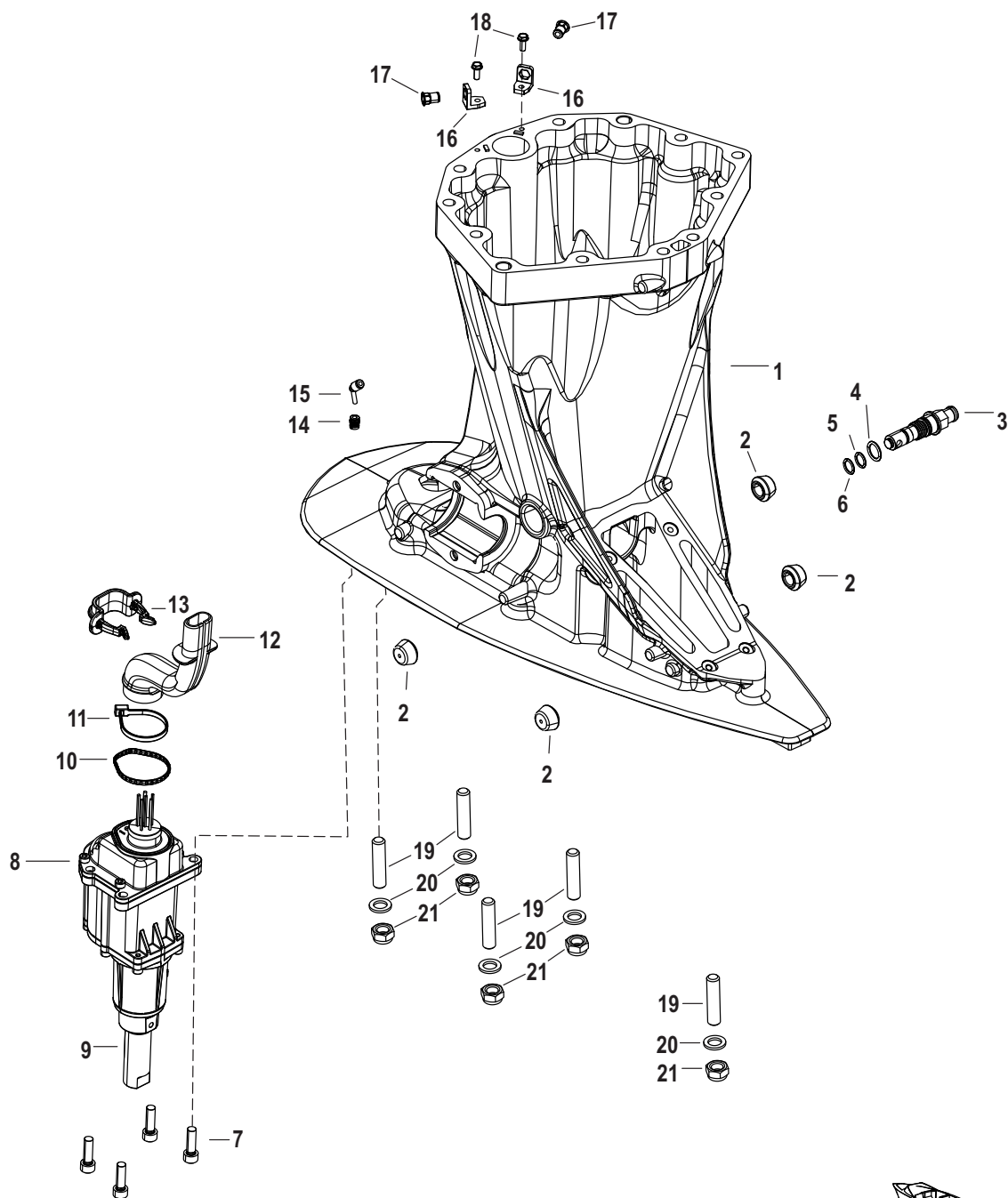


70800

## Power Trim Components Plastic Motor Housing

| Ref # | Part Class | Part Number | Description                        | Comments              | Qty | Note |
|-------|------------|-------------|------------------------------------|-----------------------|-----|------|
| -     | 0000       | 8M0142341   | POWER TRIM ASSEMBLY                | Plastic Motor Housing | 1   |      |
| 1     | 0000       | 8M0142591   | MOTOR KIT                          |                       | 1   |      |
| 2     | 0010       | 82494830    | SCREW (M6 x 30)                    |                       | 2   |      |
| 3     | 0013       | 400256      | LOCKWASHER (M6)                    |                       | 2   |      |
| 4     | 0000       | 8M0090403   | COUPLING Drive                     |                       | 1   |      |
| 5     | 0000       | 8M0142996   | PO CHECK KIT                       |                       | 1   |      |
| 6     | 0000       | 8M0060141   | MANUAL RELEASE KIT                 |                       | 1   |      |
| 7     | 0000       | 8M0142997   | TILT SHAFT KIT                     |                       | 1   |      |
| 8     | 0017       | 878267      | PIN                                |                       | 1   |      |
| 9     | 0000       | 8M0142998   | TILT CYLINDER ASSEMBLY             |                       | 1   |      |
| 10    | 0000       | 8M0142999   | O RING KIT TILT CYLINDER           |                       | 1   |      |
| 11    | 0000       | 8M0143000   | MEMORY PISTON KIT                  |                       | 1   |      |
| 12    | 0000       | 8M0143001   | PISTON ASSEMBLY                    |                       | 1   |      |
| 13    | 0000       | 8M0143003   | END CAP ASSEMBLY                   |                       | 1   |      |
| 14    | 0000       | 878264A1    | RESERVOIR KIT                      |                       | 1   |      |
| 15    | 0019       | 811613      | PLUG ASSEMBLY                      |                       | 1   |      |
| 16    | 0010       | 4000327     | SCREW (M6 x 14)                    |                       | 4   |      |
| 17    | 0012       | 4002315     | WASHER (6.60 X 12.5 X 1.5 mm - SS) |                       | 4   |      |
| 18    | 0000       | 8M0143004   | PUMP KIT                           |                       | 1   |      |
| 19    | 0000       | 878408A1    | REPAIR KIT Power Trim              |                       | 1   |      |
| 20    | 0010       | 858771      | SCREW (M10 x 30)                   |                       | 6   |      |
| 21    | 0012       | 4002319     | WASHER                             |                       | 6   |      |
| 22    | 0017       | 8M0094889   | PIN                                |                       | 1   |      |
| 23    | 0000       | 8M0143005   | SHOCK ROD KIT                      |                       | 1   |      |

## Driveshaft Housing

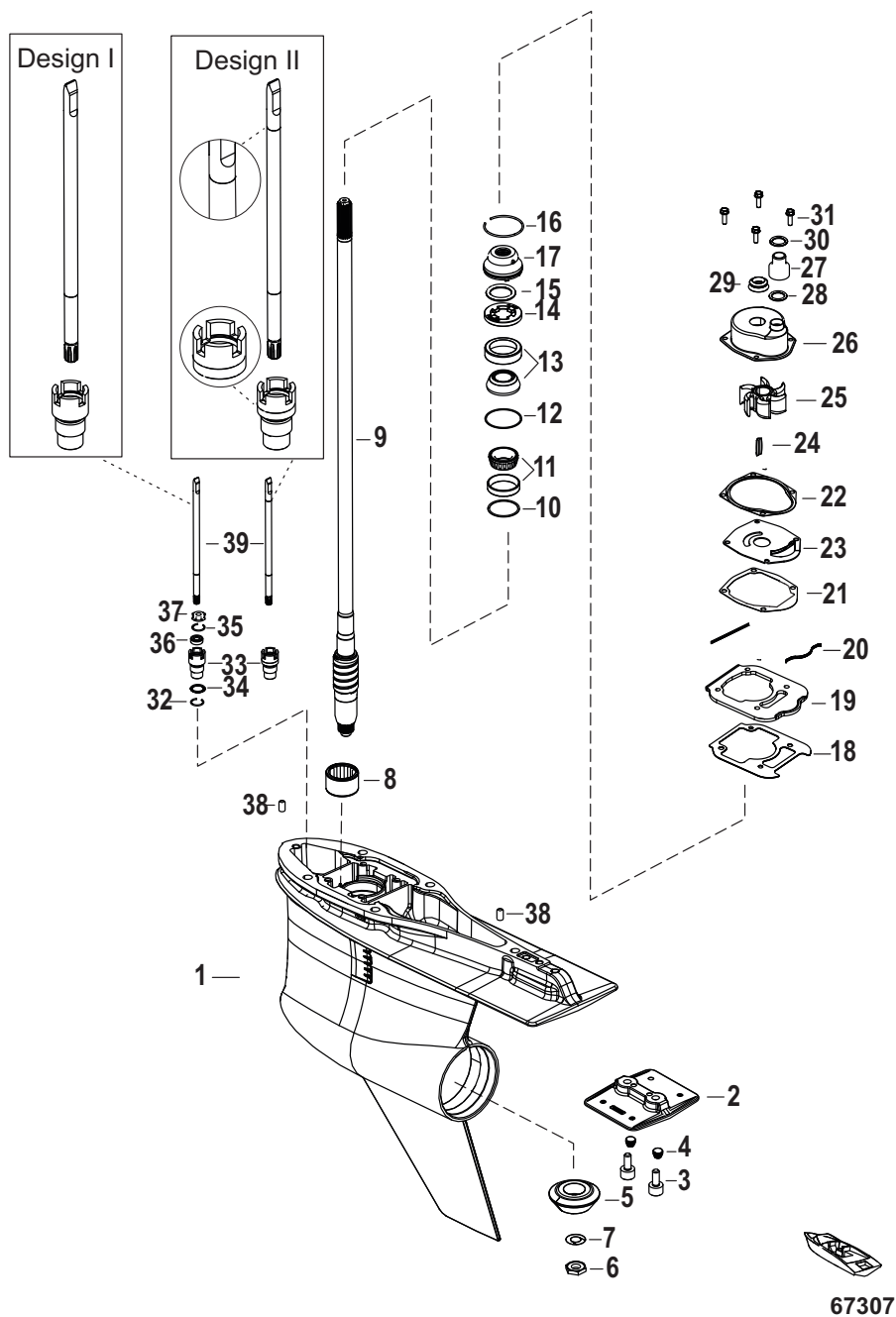


67178

## Driveshaft Housing

| Ref # | Part Class | Part Number | Description                                    | Comments | Qty | Note |
|-------|------------|-------------|------------------------------------------------|----------|-----|------|
| 1     | 1500       | 8M0142775   | HOUSING Driveshaft, Black                      |          | 1   |      |
| 2     | 0000       | 8M0142713   | CAP Chap Support                               |          | 4   |      |
| 3     | 0019       | 8M0112869   | OIL PLUG ASSEMBLY                              |          | 1   |      |
| 4     | 0025       | 85045       | O-RING (.551 x .070)                           |          | 1   |      |
| 5     | 0025       | 863006      | O-RING (10.82 x 1.78)                          |          | 1   |      |
| 6     | 0025       | 8M0036228   | O-RING (8.1 X 1.6)                             |          | 1   |      |
| 7     | 0010       | 8M0142829   | SCREW (M6 x 20)                                |          | 4   |      |
| 8     | 0000       | 8M0142253   | SHIFT ACTUATOR                                 |          | 1   |      |
| 9     | 0000       | 8M0147857   | SHAFT Coupling                                 |          | 1   |      |
| 10    | 0025       | 8M0142978   | SEAL ACTUATOR                                  |          | 1   |      |
| 11    | 0000       | 69355       | TIE STRAP (5.50 Inches)                        |          | 1   |      |
| 12    | 0085       | 8M0147674   | BOOT Shift Actuator Wires                      |          | 1   |      |
| 13    | 0054       | 8M0147675   | CLIP                                           |          | 1   |      |
| 14    | 0022       | 8M0142714   | FITTING                                        |          | 1   |      |
| 15    | 0022       | 8M0155119   | FITTING Legris                                 |          | 1   |      |
| 16    | 0000       | 8M0142715   | BRACKET Bib Mount                              |          | 2   |      |
| 17    | 0011       | 8M0142716   | INSERT                                         |          | 2   |      |
| 18    | 0010       | 40011106    | SCREW (M5 x 13) Stainless Steel                |          | 2   |      |
| 19    | 0016       | 8M0008031   | STUD (M12 x 1.75 x 52)                         | Long     | 5   |      |
| 19    | 0016       | 8M0142781   | STUD (M12 x 179)                               | XLong    | 5   |      |
| 19    | 0016       | 8M0142788   | STUD (M12 x 306)                               | XXLong   | 5   |      |
| 20    | 0012       | 856982      | WASHER (.500 x .810 x .090)<br>Stainless Steel |          | 5   |      |
| 21    | 0011       | 896895      | NUT (M12)                                      |          | 5   |      |

## Gear Housing Driveshaft, 4.80 Torpedo

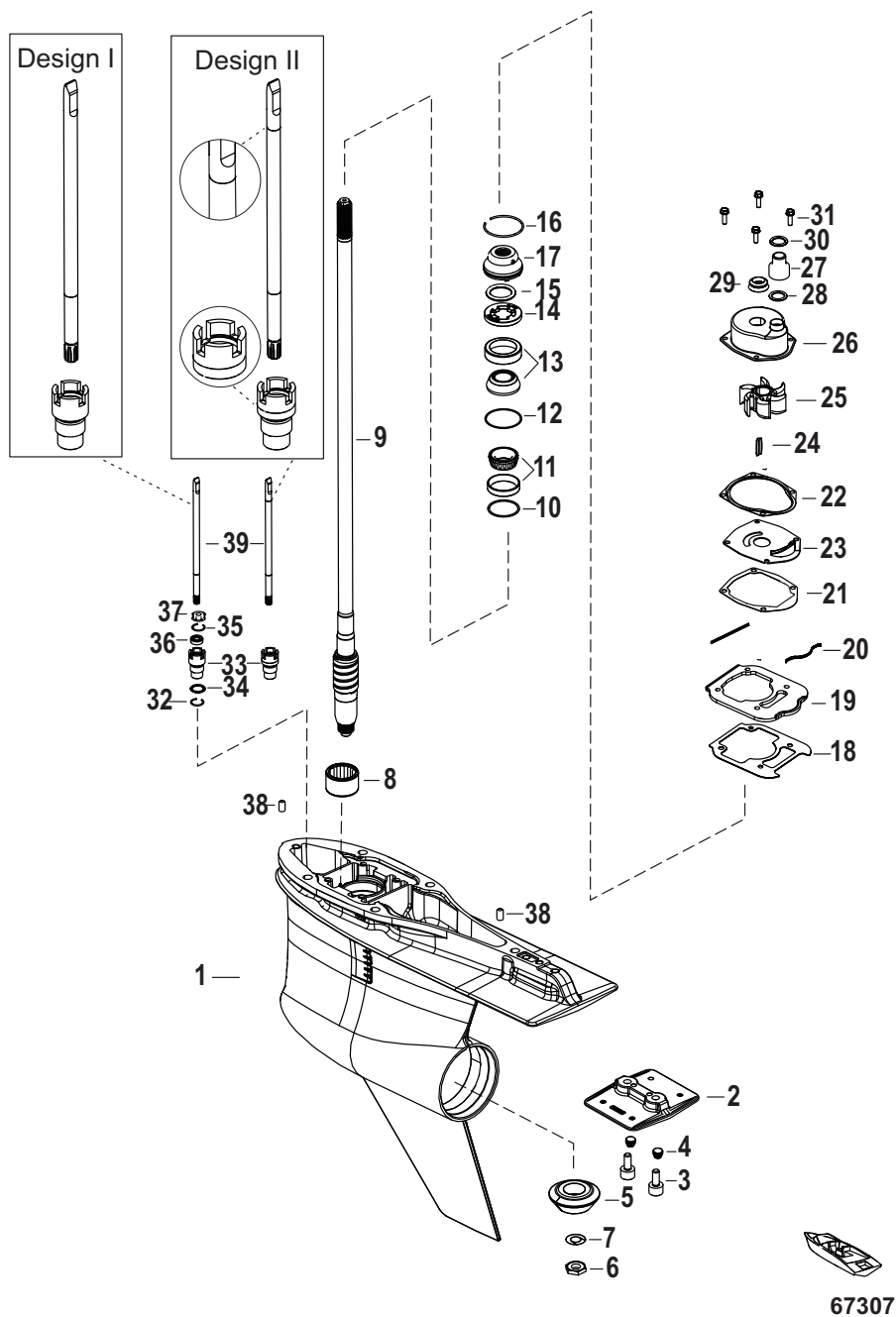


## Gear Housing Driveshaft, 4.80 Torpedo

| Ref # | Part Class | Part Number | Description                                           | Comments  | Qty | Note |
|-------|------------|-------------|-------------------------------------------------------|-----------|-----|------|
| -     | 1600       | 8M0142294   | GEAR HOUSING ASSEMBLY Silver (Standard Long) (1.85)   |           | 1   |      |
| -     | 1600       | 8M0142296   | GEAR HOUSING ASSEMBLY Silver (Standard X-Long) (1.85) |           | 1   |      |
| 1     | 1600       | 8M0145768   | GEAR HOUSING ASSEMBLY Basic, Silver (4.8)             |           | 1   |      |
| 2     | 0097       | 8M0137814   | ANODE ANTIVENT PLATE                                  |           | 1   |      |
| 3     | 0010       | 8M0142850   | SCREW (M10 X 25)                                      |           | 2   |      |
| 4     | 0019       | 8M0142878   | PLUG Screw                                            |           | 2   |      |
| 5     | 0043       | 8M0146697   | GEAR SET Forward Pinion 13/24                         |           | 1   |      |
| 6     | 0011       | 8M0071654   | NUT (.625-18 HX)                                      |           | 1   | [1]  |
| 7     | 0012       | 92721       | WASHER                                                |           | 1   |      |
| 8     | 0031       | 42647A1     | BEARING ASSEMBLY Roller                               |           | 1   |      |
| 9     | 0045       | 8M0146062   | DRIVESHAFT KIT Long                                   |           | 1   | [2]  |
| 9     | 0045       | 8M0146063   | DRIVESHAFT KIT X-Long                                 |           | 1   | [3]  |
| 9     | 0045       | 8M0146064   | DRIVESHAFT KIT XX-Long                                |           | 1   | [4]  |
| 10    | 0015       | 8M0063268   | SHIM SET                                              |           | 1   | [1]  |
| 11    | 0031       | 8M0146553   | BEARING ASSEMBLY Cup/Cone                             |           | 1   | [1]  |
| 12    | 0015       | 8M0063267   | SHIM SET                                              |           | 1   | [1]  |
| 13    | 0031       | 8M0146566   | BEARING ASSEMBLY Cup/Cone                             |           | 1   | [1]  |
| 14    | 0000       | 8245191     | RETAINER                                              |           | 1   |      |
| 15    | 0025       | 8M0142854   | O RING (2.175 x .103)                                 |           | 1   |      |
| 16    | 0053       | 880719      | RING Retaining                                        |           | 1   |      |
| 17    | 0000       | 8M0046297   | OIL SEAL CARRIER ASSEMBLY                             |           | 1   |      |
| 18    | 0027       | 8M0146938   | GASKET Water Pump Base                                |           | 1   |      |
| 19    | 0000       | 8M0142869   | COVER HOUSING Gearcase                                |           | 1   |      |
| 20    | 0025       | 8M0142659   | SEAL                                                  |           | 2   |      |
| 21    | 0027       | 8M0112903   | GASKET Rubber Molded Steel                            |           | 1   |      |
| 22    | 0027       | 8172771     | GASKET                                                |           | 1   | [1]  |
| 23    | 0000       | 8172761     | FACEPLATE                                             |           | 1   |      |
| 24    | 0028       | 8M0032833   | KEY                                                   |           | 1   |      |
| 25    | 0047       | 43026T2     | IMPELLER                                              |           | 1   | [5]  |
| 26    | 0000       | 817275A1    | HOUSING KIT Water Pump                                |           | 1   |      |
| 27    | 0000       | 8M0142435   | COUPLING Water Pump                                   |           | 1   |      |
| 28    | 0025       | 21836       | O-RING (.796 x .139)                                  |           | 1   |      |
| 29    | 0026       | 8M0142851   | VRING Face Seal                                       |           | 1   |      |
| 30    | 0025       | 8M0142712   | O-RING (0.796 x 0.139)                                |           | 1   |      |
| 31    | 0010       | 1993720     | SCREW (M6 x 20)                                       |           | 4   |      |
| 32    | 0053       | 8M0142866   | RING Retaining                                        |           | 1   | [1]  |
| 33    | 0023       | 8M0142859   | BUSHING Shift Shaft                                   | Design I  | 1   |      |
| 33    | 0023       | 8M0164967   | BUSHING Shift Shaft                                   | Design II | 1   | [6]  |
| 34    | 0025       | 8M0142860   | O-RING                                                |           | 1   |      |
| 35    | 0053       | 8M0046563   | RETAINING RING                                        |           | 1   |      |
| 36    | 0026       | 8164641     | SEAL Oil                                              |           | 1   |      |
| 37    | 0012       | 77674       | WASHER                                                |           | 1   |      |
| 38    | 0017       | 8M0084244   | PIN Dowel                                             |           | 2   |      |
| 39    | 0000       | 8M0142858   | SHIFT SHAFT Long                                      | Design I  | 1   | [7]  |

Gear Housing Driveshaft, 4.80 Torpedo

## Gear Housing Driveshaft, 4.80 Torpedo



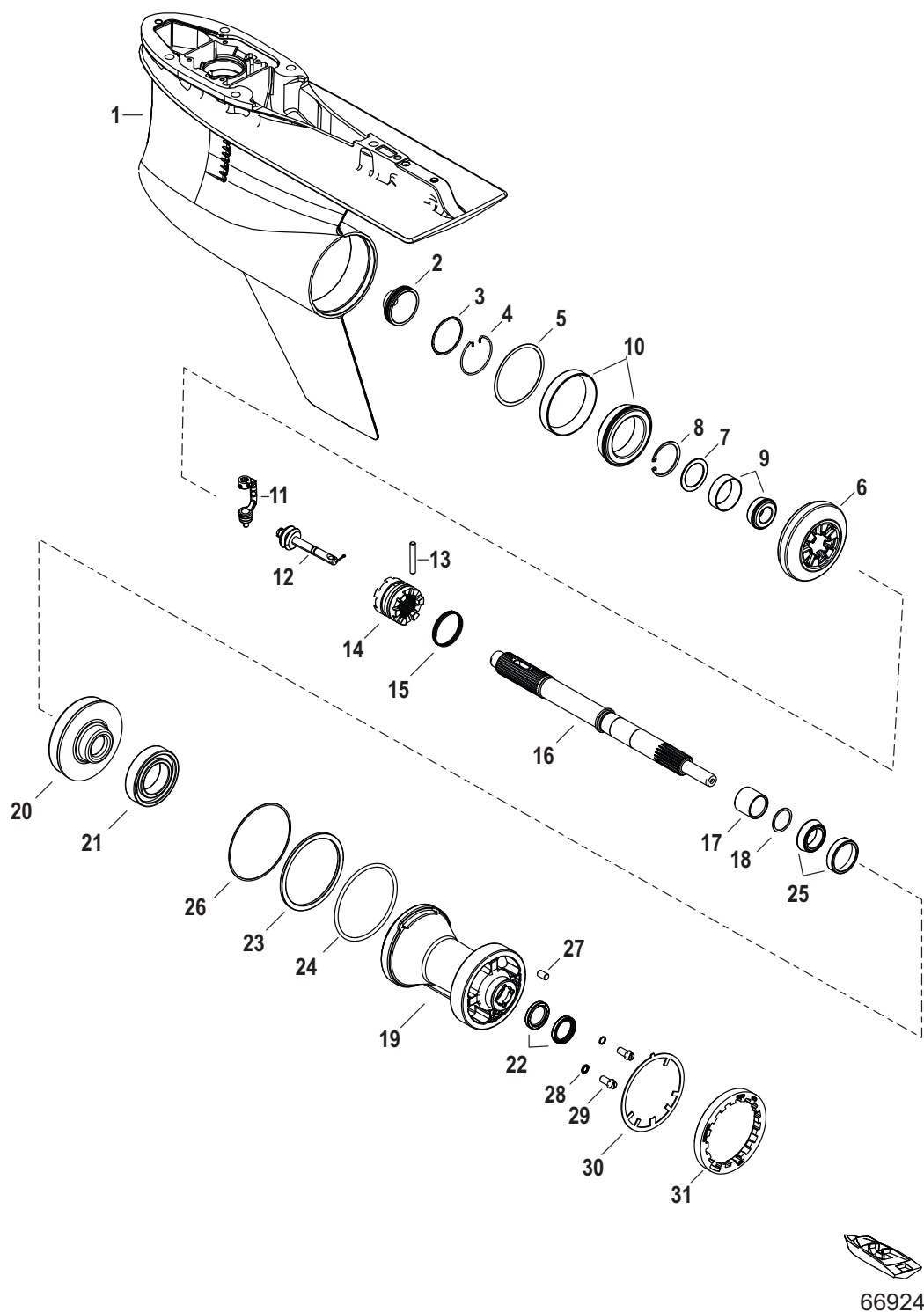
## Gear Housing Driveshaft, 4.80 Torpedo

| Ref # | Part Class | Part Number | Description                                    | Comments  | Qty | Note |
|-------|------------|-------------|------------------------------------------------|-----------|-----|------|
| 39    |            | 8M0164968   | SHIFT SHAFT Long Includes Bushing Design II    | Design II | 1   | [8]  |
| 39    | 0000       | 8M0142865   | SHIFT SHAFT X-Long                             | Design I  | 1   | [9]  |
| 39    | 0000       | 8M0164969   | SHIFT SHAFT X-Long Includes Bushing Design II  | Design II | 1   | [10] |
| 39    | 0000       | 8M0142885   | SHIFT SHAFT XX-Long                            | Design I  | 1   | [11] |
| 39    | 0000       | 8M0164970   | SHIFT SHAFT XX-Long Includes Bushing Design II | Design II | 1   | [12] |
| -     | 0047       | 8M0142980   | IMPELLER REPAIR KIT                            |           | 1   |      |
| -     | 0026       | 8M0142979   | SEAL KIT                                       |           | 1   |      |

## PART NOTES:

- [1] - Component of Driveshaft Kit 4.80 8M0146062  
Component of Driveshaft Kit 4.80 8M0146063  
Component of Driveshaft Kit 4.80 8M0146064  
Component of Driveshaft Kit 4.80 8M0168203  
Component of Driveshaft Kit 4.80 8M0168206  
Component of Driveshaft Kit 4.80 8M0168209
- [2] - Component of Driveshaft Kit 4.80 8M0146062  
Component of Driveshaft Kit 4.80 8M0168203
- [3] - Component of Driveshaft Kit 4.80 8M0146063  
Component of Driveshaft Kit 4.80 8M0168206
- [4] - Component of Driveshaft Kit 4.80 8M0146064  
Component of Driveshaft Kit 4.80 8M0168209
- [5] - Alternate part numbers:  
  
43026Q02QS  
  
43026T 2Service Part
- [6] - Component of Driveshaft Kit 4.80 8M0168203  
Component of Driveshaft Kit 4.80 8M0168206  
Component of Driveshaft Kit 4.80 8M0168209
- [7] - Component of Driveshaft Kit 4.80 8M0146062
- [8] - Component of Driveshaft Kit 4.80 8M0168203
- [9] - Component of Driveshaft Kit 4.80 8M0146063
- [10] - Component of Driveshaft Kit 4.80 8M0168206
- [11] - Component of Driveshaft Kit 4.80 8M0146064
- [12] - Component of Driveshaft Kit 4.80 8M0168209

# Gear Housing Prop Shaft - Standard Rotation, 4.80 Torpedo

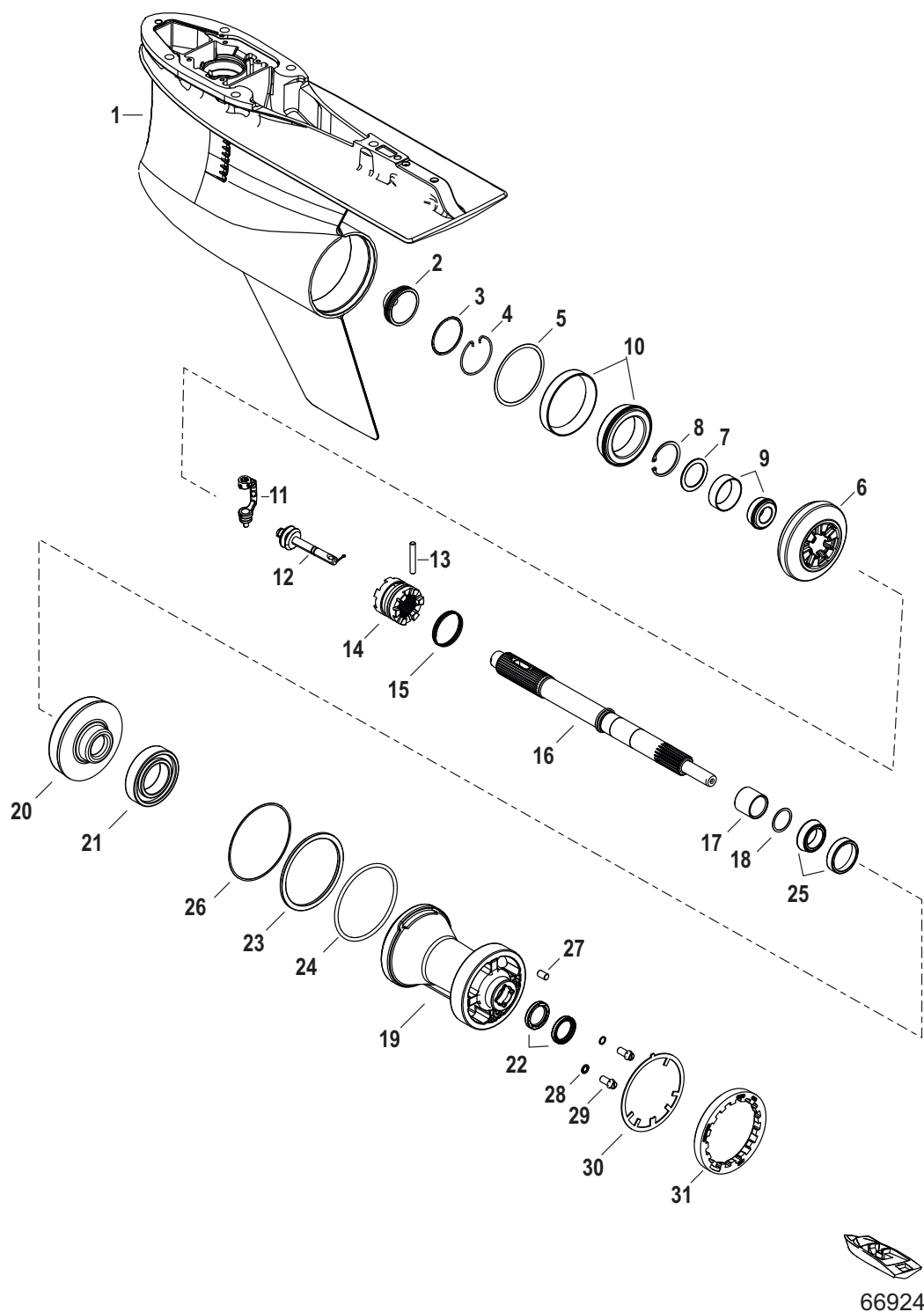


## Gear Housing Prop Shaft - Standard Rotation, 4.80 Torpedo

| Ref # | Part Class | Part Number | Description                                           | Comments | Qty | Note |
|-------|------------|-------------|-------------------------------------------------------|----------|-----|------|
| -     | 1600       | 8M0142294   | GEAR HOUSING ASSEMBLY Silver (Standard Long) (1.85)   |          | 1   |      |
| -     | 1600       | 8M0142296   | GEAR HOUSING ASSEMBLY Silver (Standard X-Long) (1.85) |          | 1   |      |
| 1     | 1600       | 8M0145768   | GEAR HOUSING ASSEMBLY Basic, Silver (4.8)             |          | 1   |      |
| 2     | 0019       | 8M0142853   | PLUG Torpedo                                          |          | 1   |      |
| 3     | 0025       | 8M0142854   | O RING (2.175 x .103)                                 |          | 1   |      |
| 4     | 0053       | 880719      | RING Retaining                                        |          | 1   |      |
| 5     | 0015       | 8M0063270   | SHIM SET                                              |          | 1   |      |
| 6     | 0043       | 8M0146697   | GEAR SET Forward Pinion 13/24                         |          | 1   |      |
| 7     | 0012       | 8M0053823   | THRUST WASHER                                         |          | 1   |      |
| 8     | 0053       | 8M0051043   | RETAINING RING                                        |          | 1   |      |
| 9     | 0031       | 8M0142835   | BEARING Roller Tapered                                |          | 1   |      |
| 10    | 0031       | 8M0142836   | BEARING Roller Tapered                                |          | 1   |      |
| 11    | 0000       | 8M0046215   | CRANK, Shifter 1/4 Pivot Pin                          |          | 1   |      |
| 12    | 0000       | 8M0142857   | SPOOL                                                 |          | 1   |      |
| 13    | 0017       | 8M0045493   | PIN                                                   |          | 1   |      |
| 14    | 0052       | 8M0142849   | CLUTCH Sliding                                        |          | 1   |      |
| 15    | 0024       | 8M0050575   | SPRING                                                |          | 1   |      |
| 16    | 0044       | 8M0142883   | SHAFT Prop                                            |          | 1   |      |
| 17    | 0023       | 8M0064306   | SPACER                                                |          | 1   |      |
| 18    | 0015       | 8M0076745   | SHIM SET                                              |          | 1   |      |
| 18    | 0012       | 8M0050423   | WASHER .020                                           |          | AR  |      |
| 18    | 0012       | 8M0050424   | WASHER .022                                           |          | AR  |      |
| 18    | 0012       | 8M0050425   | WASHER .024                                           |          | AR  |      |
| 18    | 0012       | 8M0050427   | WASHER .026                                           |          | AR  |      |
| 18    | 0012       | 8M0050428   | WASHER .028                                           |          | AR  |      |
| 18    | 0012       | 8M0050429   | WASHER .030                                           |          | AR  |      |
| 18    | 0012       | 8M0050430   | WASHER .032                                           |          | AR  |      |
| 18    | 0012       | 8M0050431   | WASHER .034                                           |          | AR  |      |
| 18    | 0012       | 8M0050432   | WASHER .036                                           |          | AR  |      |
| 18    | 0012       | 8M0050433   | WASHER .038                                           |          | AR  |      |
| 18    | 0012       | 8M0050434   | WASHER .040                                           |          | AR  |      |
| 18    | 0012       | 8M0050435   | WASHER .042                                           |          | AR  |      |
| 18    | 0012       | 8M0050436   | WASHER .044                                           |          | AR  |      |
| 18    | 0012       | 8M0050437   | WASHER .046                                           |          | AR  |      |
| 18    | 0012       | 8M0050438   | WASHER .048                                           |          | AR  |      |
| 18    | 0012       | 8M0050439   | WASHER .050                                           |          | AR  |      |
| 19    | 0000       | 8M0142890   | BEARING CARRIER                                       |          | 1   |      |
| 20    | 0043       | 8M0118363   | GEAR Reverse, 21T                                     |          | 1   |      |
| 21    | 0030       | 8M0142873   | BEARING                                               |          | 1   |      |
| 22    | 0026       | 888483      | SEAL Oil                                              |          | 2   |      |
| 23    | 0000       | 880699      | THRUST RING                                           |          | 1   |      |
| 24    | 0025       | 8M0142840   | O-RING (3.85 x 0.210)                                 |          | 1   |      |
| 25    | 0031       | 8M0148319   | BEARING Cup/Cone                                      |          | 1   |      |
| 26    | 0015       | 8M0063270   | SHIM SET                                              |          | 1   |      |

Gear Housing Prop Shaft - Standard Rotation, 4.80 Torpedo

# Gear Housing Prop Shaft - Standard Rotation, 4.80 Torpedo



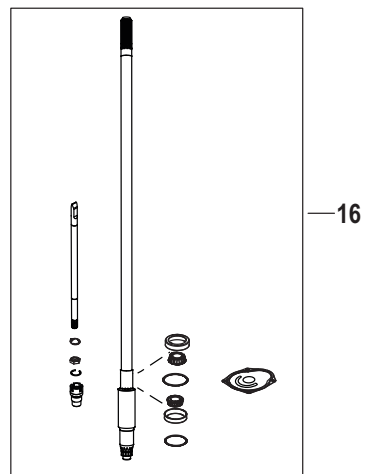
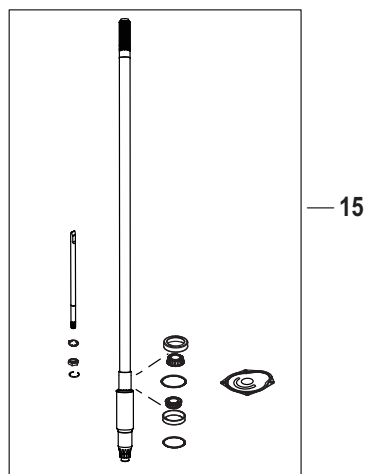
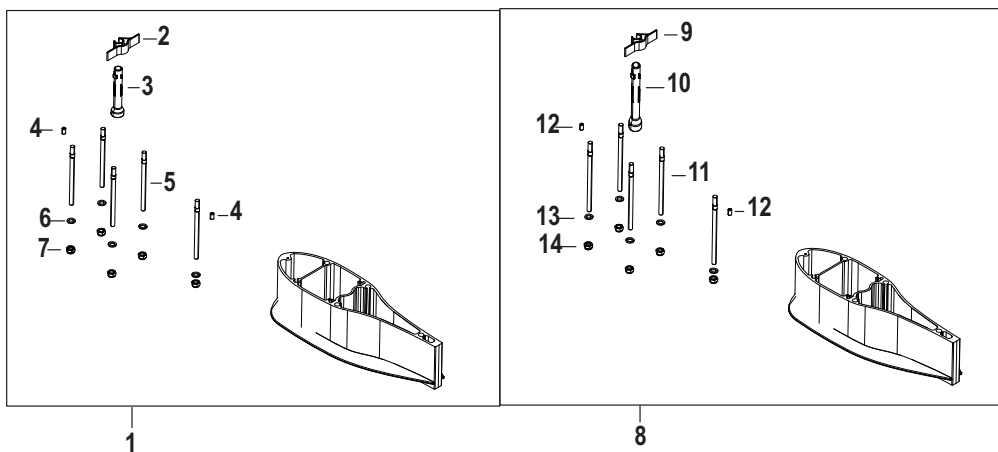
**Gear Housing Prop Shaft - Standard Rotation, 4.80 Torpedo**

| Ref # | Part Class | Part Number | Description   | Comments | Qty | Note |
|-------|------------|-------------|---------------|----------|-----|------|
| 27    | 0017       | 8M0109164   | PIN           |          | 1   |      |
| 28    | 0026       | 830749      | SEAL          |          | 2   | [1]  |
| 29    | 0010       | 8M0071653   | SCREW Special |          | 2   |      |
| 30    | 0014       | 8M0142855   | TAB WASHER    |          | 1   | [1]  |
| 31    | 0000       | 8M2000347   | RETAINER      |          | 1   |      |
| -     | 0026       | 8M0142979   | SEAL KIT      |          | 1   |      |

**PART NOTES:**

- [1] - Component of Driveshaft Kit 4.80 8M0146062  
Component of Driveshaft Kit 4.80 8M0146063  
Component of Driveshaft Kit 4.80 8M0146064  
Component of Driveshaft Kit 4.80 8M0168203  
Component of Driveshaft Kit 4.80 8M0168206  
Component of Driveshaft Kit 4.80 8M0168209

## Driveshaft Extension Kits



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## Driveshaft Extension Kits

| Ref # | Part Class | Part Number | Description                                    | Comments | Qty | Note |
|-------|------------|-------------|------------------------------------------------|----------|-----|------|
| 1     | 0000       | 8M0142779   | SPACER ASSEMBLY 5 IN Black                     |          | 1   |      |
| 1     | 0000       | 8M0147047   | SPACER ASSEMBLY 5 IN Silver                    |          | 1   |      |
| 2     | 0000       | 8M0042271   | GUIDE Water Tube                               |          | 1   |      |
| 3     | 0000       | 8M0142780   | TUBE Water                                     |          | 1   |      |
| 4     | 0017       | 8M0084244   | PIN Dowel                                      |          | 2   |      |
| 5     | 0016       | 8M0142781   | STUD (M12 x 179)                               |          | 5   |      |
| 6     | 0012       | 856982      | WASHER (.500 x .810 x .090)<br>Stainless Steel |          | 5   |      |
| 7     | 0011       | 896895      | NUT (M12)                                      |          | 5   |      |
| 8     | 0000       | 8M0142787   | SPACER ASSEMBLY 10 IN Black                    |          | 1   |      |
| 8     | 0000       | 8M0147046   | SPACER ASSEMBLY 10 IN Silver                   |          | 1   |      |
| 9     | 0000       | 8M0042271   | GUIDE Water Tube                               |          | 1   |      |
| 10    | 0000       | 8M0142789   | WATER TUBE                                     |          | 1   |      |
| 11    | 0016       | 8M0142788   | STUD (M12 x 306)                               |          | 5   |      |
| 12    | 0017       | 8M0084244   | PIN Dowel                                      |          | 2   |      |
| 13    | 0012       | 856982      | WASHER (.500 x .810 x .090)<br>Stainless Steel |          | 5   |      |
| 14    | 0011       | 896895      | NUT (M12)                                      |          | 5   |      |
| 15    | 0045       | 8M0146062   | DRIVESHAFT KIT Long                            | 4.80     | 1   |      |
| 16    | 0045       | 8M0168203   | DRIVESHAFT KIT Long                            | 4.80     | 1   |      |



## Accessories

| Ref # | Part Class | Part Number | Description                                              | Comments                  | Qty | Note |
|-------|------------|-------------|----------------------------------------------------------|---------------------------|-----|------|
| -     | 0000       | 893395A01   | PLATE Flush Mount                                        |                           | 1   |      |
| -     | 0022       | 875207      | TEE Fitting                                              |                           | 1   |      |
| -     | 0000       | 892486K08   | CONVERSION KIT Analog                                    |                           | 1   |      |
| -     | 0084       | 899785K04   | HARNESS ASSEMBLY Accessory Power (30 Feet)               |                           | 1   |      |
| -     | 0010       | 880717A01   | SCREW/SEAL KIT Gearcase                                  |                           | 1   |      |
| -     | 0084       | 88439A50    | CABLE SET Battery                                        |                           | 1   |      |
| -     | 0084       | 8M0133542   | CABLE KIT (12 ft) Battery                                |                           | 1   |      |
| -     | 0000       | 44357Q2     | FLUSHING ATTACHMENT                                      | (Quicksilver)             | 1   | [1]  |
| -     | 0000       | 44357T2     | FLUSHING ATTACHMENT                                      | (Mercury Precision Parts) | 1   | [1]  |
| -     | 0000       | 881150Q1    | FLUSH KIT Dual Water Pick Up                             | (Quicksilver)             | 1   | [2]  |
| -     | 0000       | 881150K1    | SEAL KIT Flush - Dual Water Pickup                       | (Mercury Precision Parts) | 1   | [2]  |
| -     | 0000       | 899712A01   | CABLE KIT Continuity                                     |                           | 1   |      |
| -     | 0000       | 8M0133491   | TILLER HANDLE ASSEMBLY Big Tiller Mechanical/Power Steer |                           | 1   |      |
| -     | 0000       | 8M0133492   | TILLER HANDLE ASSEMBLY Big Tiller - DTS with Power Steer |                           | 1   |      |
| -     | 0000       | 8M0141907   | CABLE KIT - THROTTLE AND SHIFT GEN II                    |                           | 1   |      |
| -     | 0000       | 8M0131810   | MP ALERT COWL KIT (Chrome Bezel)                         |                           | 1   |      |
| -     | 0000       | 8M0072341   | BEZEL MP Alert - Oval (Chrome)                           |                           | 1   |      |
| -     | 0000       | 8M0138978   | BEZEL MP Alert (Warm Fusion White)                       |                           | 1   |      |
| -     | 0000       | 8M0143359   | SOUND CONTROL KIT Advanced                               | AMS Only                  | 1   |      |
| -     | 0000       | 8M0142265   | SENSOR Oil Level                                         |                           | 1   |      |
| -     | 0084       | 8M0145987   | HARNESS KIT Re-power Plan                                |                           | 1   |      |
| -     | 0071       | 8M0142696   | SENSOR Pressure                                          | DTS                       | 1   |      |
| -     | 0000       | 8M0145165   | BLOCK WATER PRESSURE KIT Analog                          | Mechanical                | 1   |      |
| -     | 0025       | 8M0146953   | GROMMET Large Hole, Mechanical                           |                           | 1   |      |
| -     | 0025       | 8M0146954   | GROMMET Large Hole, DTS CMS                              |                           | 1   |      |
| -     | 0025       | 8M0146955   | GROMMET Large Hole, DTS                                  |                           | 1   |      |
| -     | 0032       | 825191A03   | HOSE KIT Rigging                                         |                           | 1   |      |
| -     | 0035       | 8M0135386   | FUEL FILTER KIT Boat Mounted                             |                           | 1   |      |
| -     | 0035       | 8M0126144   | FUEL FILTER                                              |                           | 1   |      |
| -     | 0084       | 8M0113732   | HARNESS ASSEMBLY DTS, Clean Power, 14 Feet               |                           | 1   |      |
| -     | 0084       | 889244T01   | HARNESS ASSEMBLY DTS Clean Power (25 Feet)               |                           | 1   |      |
| -     | 0084       | 8M0127682   | POWER HARNESS ASSEMBLY Helm (15 feet)                    |                           | 1   |      |
| -     | 0084       | 8M0127681   | POWER HARNESS ASSEMBLY Helm (10 feet)                    |                           | 1   |      |
| -     | 0084       | 896333T25   | HARNESS ASSEMBLY (25 Feet)                               |                           | 1   |      |
| -     | 0067       | 896305001   | BRACKET                                                  |                           | 1   |      |
| -     | 0067       | 896392      | WASHER                                                   |                           | 1   |      |
| -     | 0010       | 67755A22    | BOLT KIT Transom (2.50 Inch)                             |                           | 1   |      |
| -     | 0010       | 67755A26    | BOLT KIT Transom (3.50 Inch)                             |                           | 1   |      |



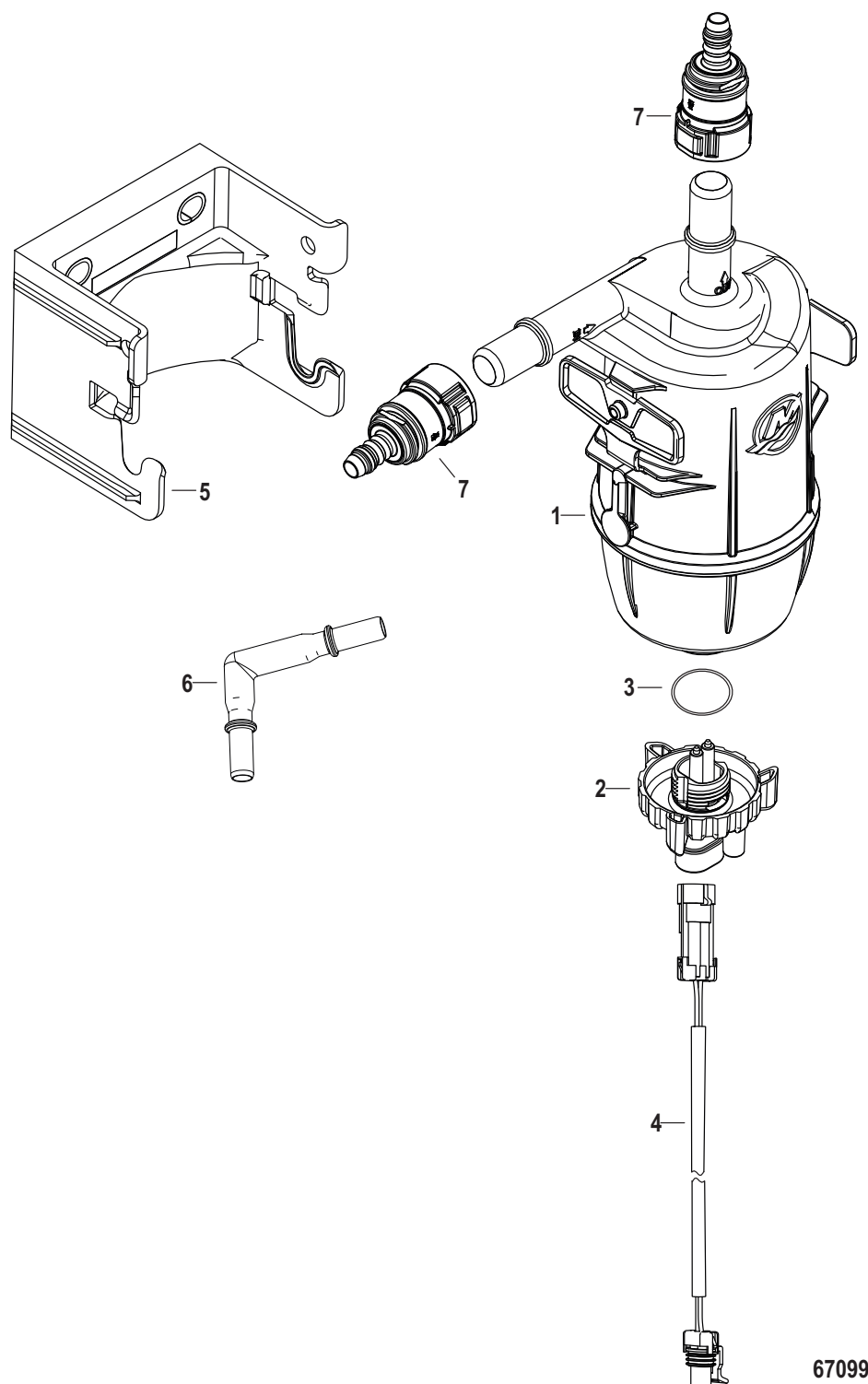
## Accessories

| Ref # | Part Class | Part Number | Description                                   | Comments  | Qty | Note |
|-------|------------|-------------|-----------------------------------------------|-----------|-----|------|
| -     | 0000       | 67755A13    | BOLT KIT Transom (4.50 Inch)                  |           | 1   |      |
| -     | 0010       | 67755A14    | BOLT KIT Transom (5.50 Inch)                  |           | 1   |      |
| -     | 0010       | 67755A15    | BOLT KIT Transom (6.50 Inch)                  |           | 1   |      |
| -     | 0010       | 67755A17    | BOLT KIT Transom (7.50 Inch)                  |           | 1   |      |
| -     | 0010       | 67755A18    | BOLT KIT Transom (8.00 Inches)                |           | 1   |      |
| -     | 0010       | 8M0149614   | BOLT KIT Transom (8.00 Inches)                | Two Bolts | 1   |      |
| -     | 0011       | 8M0109756   | DOUBLE NUT KIT Transom Bolt                   |           | 1   |      |
| -     | 0012       | 28421       | WASHER (1.5 x 3.05 x 0.13)<br>Stainless Steel |           | 1   |      |
| -     | 0012       | 895062      | WASHER                                        |           | 1   |      |
| -     | 0011       | 82671117    | NUT (.500-20)                                 |           | 1   |      |
| -     | 0079       | 8M0097226   | TACHOMETER KIT Helm Mount                     |           | 1   |      |
| -     | 0022       | 8M0150994   | FITTING CONNECTOR KIT                         |           | 1   |      |

**PART NOTES:**

- [1] - Alternate part numbers:  
44357A 2Service Part  
44357Q 2QS  
44357T 2MPP
- [2] - Alternate part numbers:  
881150K 1MPP  
881150Q 1QS

## Fuel Filter with WIF- Boat Mounted

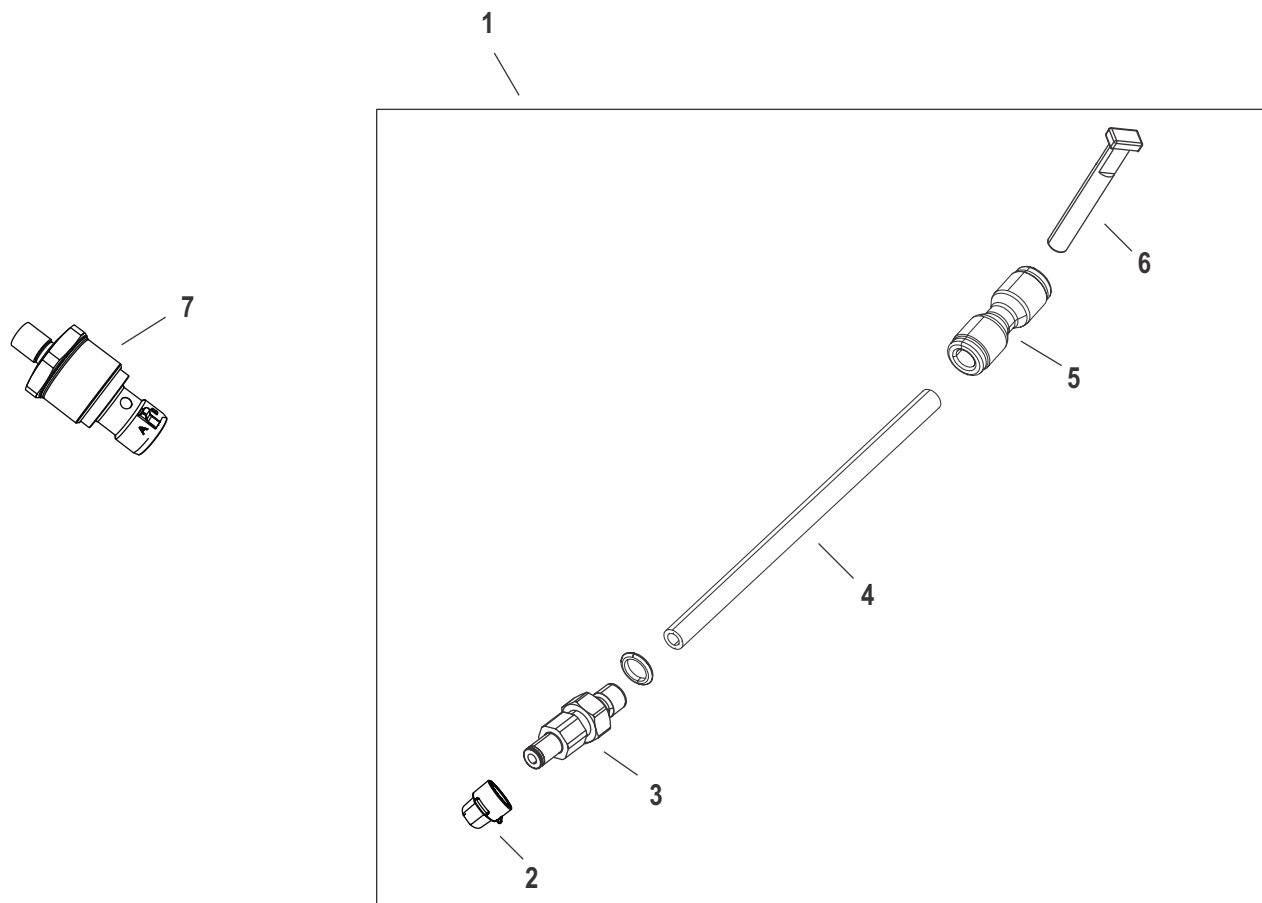


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## Fuel Filter with WIF- Boat Mounted

| Ref # | Part Class | Part Number | Description                                      | Comments                              | Qty | Note |
|-------|------------|-------------|--------------------------------------------------|---------------------------------------|-----|------|
| -     | 0035       | 8M0135386   | FUEL FILTER KIT Boat Mounted                     |                                       | 1   |      |
| 1     | 0035       | 8M0126144   | FUEL FILTER                                      |                                       | 1   |      |
| 2     | 0000       | 8M0142649   | SENSOR WIF                                       |                                       | 1   |      |
| 3     | 0025       | 8M0152436   | ORING                                            |                                       | 1   |      |
| 4     | 0084       | 8M0042697   | HARNESS Fuel Filter Sensor<br>Extension (144 in) |                                       | 1   |      |
| 5     | 0000       | 8M0152423   | BRACKET Plastic Snap                             |                                       | 1   |      |
| 6     | 0022       | 8M0152433   | FITTING ELBOW                                    |                                       | 1   |      |
| 7     | 0022       | 8M0146934   | FITTING Quick Connect                            | (5/8 IN to 3/8 IN HOSE<br>CONNECTION) | 2   |      |

# Block Water Pressure Kits Analog/Digital

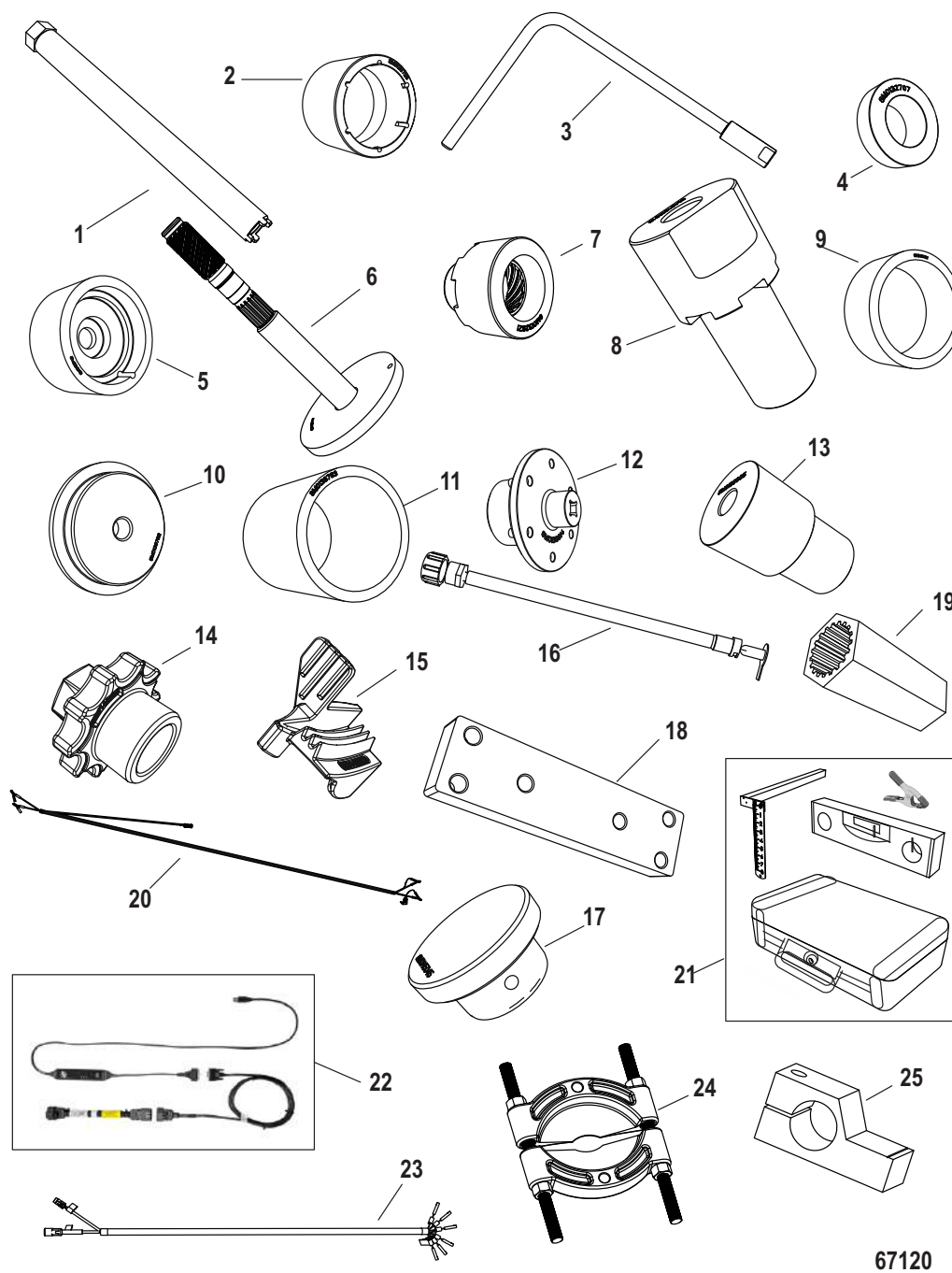


66794

**Block Water Pressure Kits Analog/Digital**

| Ref # | Part Class | Part Number | Description                        | Comments | Qty | Note |
|-------|------------|-------------|------------------------------------|----------|-----|------|
| 1     | 0000       | 8M0145165   | BLOCK WATER PRESSURE KIT<br>Analog |          | 1   |      |
| 2     | 0000       | 8M0146147   | CONNECTOR CAP 3 Pin                |          | 1   |      |
| 3     | 0022       | 896094A01   | FITTING ASSEMBLY                   |          | 1   |      |
| 4     | 0032       | 85978571    | TUBING (52.00 Inches Bulk)         |          | 1   |      |
| 5     | 0022       | 859747      | COUPLER                            |          | 1   |      |
| 6     | 0022       | 859732      | PLUG                               |          | 1   |      |
| 7     | 0071       | 8M0142696   | SENSOR Pressure                    |          | 1   |      |

## Tools



## Tools

| Ref # | Part Class | Part Number | Description                          | Comments | Qty | Note |
|-------|------------|-------------|--------------------------------------|----------|-----|------|
| 1     | 0091       | 8M0142969   | SHIFT SHAFT TOOL                     |          | 1   |      |
| 2     | 0091       | 8M0142970   | ALIGNMENT TOOL Preload Driver        |          | 1   |      |
| 3     | 0091       | 8M0142973   | SHIFT SHAFT HANDLE TOOL              |          | 1   |      |
| 4     | 0091       | 8M0142974   | RETAINER PRESS FIXTURE               |          | 1   |      |
| 5     | 0091       | 8M0142976   | TOOL Press Fixture Base              |          | 1   |      |
| 6     | 0091       | 8M0142983   | SHAFT TOOL Bearing Carrier Assembly  |          | 1   |      |
| 7     | 0091       | 8M0145393   | TOOL Threaded Clutch Assembly        |          | 1   |      |
| 8     | 0091       | 8M0142559   | HOLDING FIXTURE Gear Assembly        |          | 1   |      |
| 9     | 0091       | 8M0142615   | MANDREL Press Spacer                 |          | 1   |      |
| 10    | 0091       | 8M0142624   | GUIDE PLATE Bearing Carrier          |          | 1   |      |
| 11    | 0091       | 8M0142413   | MANDREL Rear Gear Bearing Cone       |          | 1   |      |
| 12    | 0091       | 8M0142414   | TOOL Gear Assembly Driver            |          | 1   |      |
| 13    | 0091       | 8M0142636   | BEARING MANDREL                      |          | 1   |      |
| 14    | 0091       | 8M0146861   | TOOL Flywheel                        |          | 1   |      |
| 15    | 0091       | 8M0146862   | TOOL Stretch Belt                    |          | 1   |      |
| 16    | 0032       | 8M0129230   | HOSE Oil Drain                       |          | 1   |      |
| 17    | 0091       | 8M0146935   | INSTALLATION TOOL Bearing Spool      |          | 1   |      |
| 18    | 0091       | 8M0146936   | BAR MOUNT PULLER Upper               |          | 1   |      |
| 19    | 0091       | 8M0147118   | TOOL Propshaft                       |          | 1   |      |
| 20    | 0091       | 8M0147078   | INSTALLATION TOOL Trim Harness       |          | 1   |      |
| 21    | 0091       | 8M0130705   | GEARCASE HEIGHT TOOL KIT             |          | 1   |      |
| 22    | 0091       | 8M0138392   | DIAGNOSTIC TOOL KIT CDS -G3          |          | 1   |      |
| 23    | 0091       | 8M0150597   | TOOL-SHIFT ACTUATOR Test TEE Harness |          | 1   |      |
| 24    | 0091       | 8M0160428   | PULLER PLATE                         |          | 1   |      |
| NS    | 0091       | 883705T01   | STRAP TOOL Engine Lifting            |          | 1   |      |
| NS    | 0091       | 98234A2     | DRILL FIXTURE KIT Transom            |          | 1   |      |
| NS    | 0091       | 8M0147671   | TOOL ALIGNMENT PIN UPPER MOUNT       |          | 1   |      |
| NS    | 0091       | 8M0145607   | TOOL Bar Puller                      |          | 1   |      |
| NS    | 0091       | 8M0147116   | TOOL GUIDE SEAL DRIVER               |          | 1   |      |
| NS    | 0091       | 8M0149553   | TOOL Upper Mount Rod Installation    |          | 1   |      |
| NS    | 0091       | 8M0148868   | WRENCH AMS Mount                     |          | 1   |      |
| NS    | 0091       | 8M0148865   | TOOL Install Gear                    |          | 1   |      |

Maintenance Kits

## Maintenance Kits

| Ref # | Part Class | Part Number | Description                                    | Comments | Qty | Note |
|-------|------------|-------------|------------------------------------------------|----------|-----|------|
| -     | 0000       | 8M0149929   | 100 HR MAINTENANCE KIT V6 and V8 4 stroke      |          | 1   |      |
| -     | 0035       | 8M0123025   | OIL FILTER                                     |          | 1   |      |
| -     | 0035       | 8M0106635   | FUEL FILTER                                    |          | 1   |      |
| -     | 0026       | 830749      | SEAL                                           |          | 2   |      |
| -     | 0000       | 8M0149930   | MAINTENANCE KIT 200-350 HP V6 4S (300 Hr)      |          | 1   |      |
| -     | 0035       | 8M0123025   | OIL FILTER                                     |          | 1   |      |
| -     | 0035       | 8M0106635   | FUEL FILTER                                    |          | 1   |      |
| -     | 0026       | 830749      | SEAL                                           |          | 2   |      |
| -     | 0033       | 8M0135348   | SPARK PLUGS                                    |          | 6   |      |
| -     | 0000       | 8M0162139   | THERMOSTAT ASSEMBLY                            |          | 1   |      |
| -     | 0054       | 888988008   | CLAMP (34.6 MM)                                |          | 1   |      |
| -     | 0057       | 8M0142251   | BELT                                           |          | 1   |      |
| -     | 0047       | 8M0142980   | IMPELLER REPAIR KIT                            |          | 1   |      |
| -     | 0097       | 8M0137814   | ANODE ANTIVENT PLATE                           |          | 1   |      |
| -     | 0010       | 8M0142850   | SCREW (M10 X 25)                               |          | 2   |      |
| -     | 0019       | 8M0142878   | PLUG Screw                                     |          | 2   |      |
| -     | 0097       | 818298Q1    | ANODE KIT                                      |          | 1   | [1]  |
| -     | 0010       | 4000330     | SCREW (M6 x 25)                                |          | 2   |      |
| -     | 0012       | 29245       | WASHER (.281 x .500 x .060)<br>Stainless Steel |          | 2   |      |

## PART NOTES:

- [1] - Alternate part numbers:
- 818298A 1Service Part
  - 818298Q 1QS
  - 818298T 1MPP
  - 818298T 3Magnesium
  - 8M0059343Bulk Pack

# PARTS INDEX

| Part No.  | Description                                 | Pg. | Ref.no | Part No.  | Description                                 | Pg. | Ref.no |
|-----------|---------------------------------------------|-----|--------|-----------|---------------------------------------------|-----|--------|
| 1993720   | SCREW (M6 x 20)                             | 64  | 31     | 201951    | O-RING (.487 x .103)                        | 38  | 11     |
| 201951    | O-RING (.487 x .103)                        | 54  | 26     | 21836     | O-RING (.796 x .139)                        | 64  | 28     |
| 22740     | CLIP                                        | 58  | 18     | 26317     | O-RING                                      | 38  | 26     |
| 26996     | LOCKWASHER (#10) Stainless Steel            | 56  | 11     | 28421     | WASHER (1.5 x 3.05 x 0.13) Stainless Steel  | 76  | -      |
| 29245     | WASHER (.281 x .500 x .060) Stainless Steel | 58  | 28     | 29245     | WASHER (.281 x .500 x .060) Stainless Steel | 84  | -      |
| 29845     | O-RING (.924 x .103)                        | 38  | 29     | 35480     | O-RING (1.237 x .103)                       | 38  | 2      |
| 4000327   | SCREW (M6 x 14)                             | 60  | 16     | 4000330   | SCREW (M6 x 25)                             | 58  | 9      |
| 4000330   | SCREW (M6 x 25)                             | 58  | 29     | 4000330   | SCREW (M6 x 25)                             | 84  | -      |
| 40011106  | SCREW (M5 x 13) Stainless Steel             | 16  | 2      | 40011106  | SCREW (M5 x 13) Stainless Steel             | 62  | 18     |
| 40011107  | SCREW (M5 x 16) Stainless Steel             | 26  | 6      | 40011126  | SCREW (M6 x 13) Stainless Steel             | 22  | 6      |
| 40011145  | SCREW (M8 x 10) Stainless Steel             | 22  | 12     | 40011148  | SCREW (M8 x 20)                             | 22  | 19     |
| 4002315   | WASHER (6.60 X 12.5 X 1.5 mm -SS)           | 60  | 17     | 4002319   | WASHER                                      | 58  | 4      |
| 4002319   | WASHER                                      | 58  | 25     | 4002319   | WASHER                                      | 60  | 21     |
| 400256    | LOCKWASHER (M6)                             | 60  | 3      | 400257    | LOCKWASHER (M8)                             | 22  | 14     |
| 4010620   | SCREW (M6 x 20) Stainless Steel             | 26  | 2      | 4010730   | SCREW (M8 x 30)                             | 52  | 9      |
| 401386    | NUT (M6) Stainless Steel                    | 4   | 18     | 401388    | NUT (M8) Stainless Steel                    | 22  | 17     |
| 401388    | NUT (M8) Stainless Steel                    | 24  | 3      | 42118     | WASHER                                      | 18  | 52     |
| 42647A1   | BEARING ASSEMBLY Roller                     | 64  | 8      | 42975     | DRIVE SCREW                                 | 26  | 4      |
| 43026T2   | IMPELLER                                    | 64  | 25     | 43430     | WASHER                                      | 22  | 7      |
| 44357Q2   | FLUSHING ATTACHMENT                         | 74  | -      | 44357T2   | FLUSHING ATTACHMENT                         | 74  | -      |
| 46335     | NUT (.375-24)                               | 56  | 16     | 58643     | LOCKWASHER (.375)                           | 56  | 14     |
| 65567     | WASHER (.265 x .750 x .048) Stainless Steel | 16  | 14     | 65567     | WASHER (.265 x .750 x .048) Stainless Steel | 32  | 2      |
| 65830     | NYLINER                                     | 58  | 8      | 67684     | RING Retaining                              | 56  | 18     |
| 67755A13  | BOLT KIT Transom (4.50 Inch)                | 76  | -      | 67755A14  | BOLT KIT Transom (5.50 Inch)                | 76  | -      |
| 67755A15  | BOLT KIT Transom (6.50 Inch)                | 76  | -      | 67755A17  | BOLT KIT Transom (7.50 Inch)                | 76  | -      |
| 67755A18  | BOLT KIT Transom (8.00 Inches)              | 76  | -      | 67755A22  | BOLT KIT Transom (2.50 Inch)                | 74  | -      |
| 67755A26  | BOLT KIT Transom (3.50 Inch)                | 74  | -      | 69355     | TIE STRAP (5.50 Inches)                     | 62  | 11     |
| 73286     | SCREW (.250-20 x .500) Stainless Steel      | 56  | 15     | 74036     | FITTING Grease                              | 56  | 8      |
| 77674     | WASHER                                      | 64  | 37     | 811613    | PLUG ASSEMBLY                               | 60  | 15     |
| 813771003 | MOUNT Lower                                 | 56  | 25     | 815432    | WASHER (.562 x 2.00 x .125)                 | 56  | 27     |
| 816311T   | TIE STRAP (8.00 Inches)                     | 16  | 28     | 816311T   | TIE STRAP (8.00 Inches)                     | 16  | 28     |
| 816311T   | TIE STRAP (8.00 Inches)                     | 38  | 13     | 816311T   | TIE STRAP (8.00 Inches)                     | 52  | 23     |
| 816311T   | TIE STRAP (8.00 Inches)                     | 54  | 14     | 816432    | THRUST WASHER                               | 56  | 3      |
| 8164641   | SEAL Oil                                    | 64  | 36     | 817275A1  | HOUSING KIT Water Pump                      | 64  | 26     |
| 8172761   | FACEPLATE                                   | 64  | 23     | 8172771   | GASKET                                      | 64  | 22     |
| 818298Q1  | ANODE KIT                                   | 58  | 27     | 818298Q1  | ANODE KIT                                   | 84  | -      |
| 81893435  | SCREW (M8 x 35)                             | 56  | 23     | 821207    | BUSHING                                     | 58  | 24     |
| 821327    | PIN Dowel                                   | 52  | 6      | 821539    | PIN Trilobe                                 | 58  | 23     |
| 8245191   | RETAINER                                    | 64  | 14     | 82494830  | SCREW (M6 x 30)                             | 60  | 2      |
| 825190    | WASHER                                      | 56  | 31     | 825191A03 | HOSE KIT Rigging                            | 74  | -      |
| 825677    | PUSH NUT                                    | 26  | 10     | 826164    | NUT (.875-14)                               | 58  | 20     |
| 826365    | NUT (M8)                                    | 24  | 7      | 826365    | NUT (M8)                                    | 28  | 4      |
| 82671117  | NUT (.500-20)                               | 76  | -      | 830749    | SEAL                                        | 70  | 28     |
| 830749    | SEAL                                        | 84  | -      | 830749    | SEAL                                        | 84  | -      |
| 830899    | SPRING Tension                              | 56  | 7      | 830900    | SPRING Compression                          | 58  | 7      |
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| 832969T20 | FUSE Mini - Yellow - 20 Ampere              | 18  | 50     | 834985    | GROMMET                                     | 16  | 15     |
| 847541    | WASHER                                      | 56  | 22     | 85045     | O-RING (.551 x .070)                        | 62  | 4      |
| 852368    | SCREW (#10-24 x .750)                       | 56  | 10     | 855228    | CLAMP                                       | 48  | 6      |
| 856954    | BUSHING                                     | 16  | 17     | 856954    | BUSHING                                     | 34  | 21     |
| 856982    | WASHER (.500 x .810 x .090) Stainless Steel | 62  | 20     | 856982    | WASHER (.500 x .810 x .090) Stainless Steel | 72  | 6      |
| 856982    | WASHER (.500 x .810 x .090) Stainless Steel | 72  | 13     | 858771    | SCREW (M10 x 30)                            | 58  | 3      |
| 858771    | SCREW (M10 x 30)                            | 58  | 26     | 858771    | SCREW (M10 x 30)                            | 60  | 20     |
| 858954    | CLIP (.625)                                 | 16  | 36     | 859448T   | FITTING                                     | 16  | 29     |
| 85944975  | TUBING (72.00 Inches Bulk)                  | 16  | 24     | 85944975  | TUBING (72.00 Inches Bulk)                  | 16  | 24     |
| 859732    | PLUG                                        | 16  | 5      | 859732    | PLUG                                        | 16  | 27     |
| 859732    | PLUG                                        | 80  | 6      | 859747    | COUPLER                                     | 16  | 6      |
| 859747    | COUPLER                                     | 16  | 26     | 859747    | COUPLER                                     | 80  | 5      |
| 85978571  | TUBING (52.00 Inches Bulk)                  | 16  | 7      | 85978571  | TUBING (52.00 Inches Bulk)                  | 80  | 4      |
| 863006    | O-RING (10.82 x 1.78)                       | 54  | 37     | 863006    | O-RING (10.82 x 1.78)                       | 62  | 5      |
| 86614     | O-RING (1.049 x .103)                       | 38  | 20     | 86614     | O-RING (1.049 x .103)                       | 54  | 4      |

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| 88552645  | SCREW (M8X45)                                 | 22  | 9      | 88552645  | SCREW (M8X45)                      | 24  | 5      |
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| 896699    | O-RING (1.78 mm x .08 mm)                     | 18  | 55     | 896699    | O-RING (1.78 mm x .08 mm)          | 42  | 32     |
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| 8M0142918 | SCREW (M5 x 12)                           | 10  | 18     | 8M0142919 | STRIKER ASSEMBLY Port                     | 10  | 5      |
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