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“TYPICAL VIEWS ARE SHOWN”

ENGINE ROTATION

Engine Rotation is identified as “RH” or “LH” with the engine model number. Rotation always is determined from the flywheel end looking toward the front of the engine. In some instances, propeller shaft rotation may be opposite to that of the engine.

When ordering a replacement engine, production block or parts for the engine, be certain to check engine rotation. DO NOT rely on propeller rotation in order to determine engine rotation.

LEFT-HAND ROTATION is STANDARD ROTATION.
(Flywheel turns counterclockwise when viewed from flywheel end of the engine.)

RIGHT-HAND ROTATION is OPPOSITE ROTATION.
(Flywheel turns clockwise when viewed from flywheel end of the engine.)
## HOW TO READ THIS PARTS BOOK:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NO.</th>
<th>QTY.</th>
<th>DESCRIPTION</th>
<th>MODEL ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RB001005I</td>
<td>1</td>
<td>Base Engine Assembly, 5.7L</td>
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</tbody>
</table>

1. ITEM NUMBER - This number corresponds with the number in the exploded view on the facing page.

2. PART NUMBER - This is the designated part number for the particular component or assembly.

3. QUANTITY - This refers to the number of pieces used.

4. DESCRIPTION - This identifies what the component or assembly is.

5. MODEL ID - This identifies a component or assembly that is unique to a specific engine model.

---

Symbols shown throughout parts list are defined here or on the bottom of the individual parts list page.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<td>As Required</td>
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<tr>
<td>OPT</td>
<td>Optional</td>
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<tr>
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<td>Not Serviced Separately</td>
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<td>NA</td>
<td>Not Available</td>
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<td>Oversize</td>
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<td>US</td>
<td>Undersize</td>
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<td>NS</td>
<td>Not Shown</td>
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<td>NI</td>
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REPLACEMENT PARTS:

⚠️ WARNING:

Electrical, ignition and fuel system components on PCM Engines are designed and manufactured to comply with U.S. Coast Guard rules and regulations to minimize risks of fire or explosion. Use of replacement electrical, ignition and fuel system components which do not comply with these rules and regulations could result in a fire or explosion hazard and should be avoided.

MAINTENANCE ITEM PART NUMBERS:

<table>
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<tr>
<th>Description</th>
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<tr>
<td>Kit, Transmission Oil Filter (ZF)</td>
<td>RP077011</td>
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<tr>
<td>Fuel Filter, Pre-Filter</td>
<td>RP077014</td>
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<tr>
<td>Fuel Filter (FCC)</td>
<td>RP080026</td>
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<td>Spark Plugs</td>
<td>RP030010</td>
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<td>Spark Plug Wire Set</td>
<td>RK120018</td>
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<tr>
<td>Serpentine Belt</td>
<td>R066028</td>
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<tr>
<td>Impeller Kit (Serpentine Raw Water Pump)</td>
<td>RP061022</td>
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<tr>
<td>Oil Drain Kit</td>
<td>RK024179</td>
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<tr>
<td>Exhaust Service Kit, 5.0/5.7L</td>
<td>RP173091</td>
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MARINE TRANSMISSIONS:

PCM Engines are equipped with PCM or Hurth Transmissions, standard or “V”-drives. If transmission parts are required, contact your dealer or closest PCM Parts Distributor for required parts. Parts manuals and overhaul manuals are available through PCM Distributors.
# CYLINDER BLOCK ASSEMBLY - FIGURE 1

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<td>5.0L Base Engine Assembly</td>
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<td>*</td>
<td>RB001005I</td>
<td>1</td>
<td>5.7L Base Engine Assembly</td>
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<td>8</td>
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<td>Ring Set, piston 5.0L (STD)</td>
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<td>RA013016</td>
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<td>Piston, 5.7L (STD)</td>
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<td>2</td>
<td>RA013017</td>
<td>8</td>
<td>Piston, 5.0L (STD)</td>
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<td>3</td>
<td>TBD</td>
<td>16</td>
<td>Bolt, connecting rod cap</td>
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<td>4</td>
<td>RA011012</td>
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<td>Connecting Rod (STD)</td>
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<td>Bearing Set, connecting rod (STD)</td>
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<td>Nut, connecting rod cap</td>
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<td>Lifter, valve</td>
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<td>Plug, oil gallery</td>
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<td>Pin, flywheel locating</td>
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## CYLINDER HEAD ASSEMBLY - FIGURE 2

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## INTAKE MANIFOLD ASSEMBLY - FIGURE 3

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### INTAKE MANIFOLD COMPONENTS - FIGURE 4

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REMOTE OIL FILTER COMPONENTS V-DRIVE - FIGURE 7
## Remote Oil Filter Components V-Drive - Figure 7

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REMOTE OIL FILTER COMPONENTS DIRECT DRIVE - FIGURE 8

PC57B020b
## Remote Oil Filter Components Direct Drive - Figure 8

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## FUEL CONTROL CELL (FCC) COMPONENTS DIRECT DRIVE - FIGURE 9

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# FUEL CONTROL CELL (FCC) COMPONENTS (V-Drive) - Figure 10

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HEAT EXCHANGER and COMPONENTS (SERPENTINE BELT SYSTEM) - FIGURE 11
## HEAT EXCHANGER and COMPONENTS (SERPENTINE BELT SYSTEM) - FIGURE 11

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### FRESH WATER COOLING SYSTEM COMPONENTS (SERPENTINE RAW WATER PUMP) - FIGURE 12

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Gasket Orientation
Tab on gasket MUST match the tab on the exhaust elbow
### EXHAUST MANIFOLD and COMPONENTS - FIGURE 14

<table>
<thead>
<tr>
<th>ITEM</th>
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<th>MODEL ID</th>
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<tbody>
<tr>
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<td>4</td>
<td>Bolt, exhaust elbow attaching (long)</td>
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<tr>
<td>2</td>
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<td>4</td>
<td>Bolt, exhaust elbow attaching (short)</td>
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<tr>
<td>3</td>
<td>RS2179</td>
<td>8</td>
<td>Lockwasher, exhaust elbow attaching bolt</td>
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<tr>
<td>4</td>
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<td>Exhaust Elbow Assembly</td>
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</tr>
<tr>
<td>5</td>
<td>RM0002</td>
<td>2</td>
<td>Gasket, manifold to exhaust elbow</td>
<td></td>
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<tr>
<td>6</td>
<td>R143002E</td>
<td>2</td>
<td>Decal, exhaust manifold</td>
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<tr>
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<td>Decal, exhaust manifold (MY '05)</td>
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<td>8</td>
<td>RS2425</td>
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<td>Starwasher, manifold attaching bolt</td>
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<td>Exhaust Manifold Assembly</td>
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<td>10</td>
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<td>Fitting, 90 degree</td>
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<td>Ni</td>
<td>RP173091 AR</td>
<td></td>
<td>Kit, Exhaust Service</td>
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*NOTE:* See Fresh Water Cooling section for parts used on Fresh Water Cooled engines.
### RAW WATER COOLING PUMP (SERPENTINE) - FIGURE 15

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<tbody>
<tr>
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<td>TBD</td>
<td>3</td>
<td>Bolt, bearing housing attaching</td>
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</tr>
<tr>
<td>2</td>
<td>TBD</td>
<td>3</td>
<td>Lockwasher, bearing housing attaching bolt</td>
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<td>R047243</td>
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<td>O-ring, bearing housing attaching bolt</td>
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<td>O-ring, bearing housing attaching</td>
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<td>RP061022</td>
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<td>Impeller Kit (includes O-rings and impeller)</td>
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<td>Housing, raw water pump</td>
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<td>7</td>
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<td>Bearing Housing Assembly</td>
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<td>Raw Water Pump Assembly</td>
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<tr>
<td>9</td>
<td>RS2180</td>
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<td>Lockwasher, raw water pump attaching; upper left flange</td>
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</tr>
<tr>
<td>10</td>
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<td>Bolt, raw water pump attaching; upper left flange</td>
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</tr>
<tr>
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<td>13</td>
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<tr>
<td>14</td>
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<td>Bolt, raw water pump attaching; lower left flange</td>
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WIRING HARNESS ASSEMBLIES and SENDERS - FIGURE 16
### WIRING HARNESS ASSEMBLIES and SENDERS - FIGURE 16

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<td>RS1540</td>
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<td>Nut, sender terminal</td>
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<td>2</td>
<td>RS2197</td>
<td>1</td>
<td>Lockwasher, sender terminal</td>
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<tr>
<td>3</td>
<td>RS2746</td>
<td>1</td>
<td>Washer, sender terminal</td>
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<td>4</td>
<td>R020002</td>
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<td>Sender, temperature (RWC)</td>
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<td>4</td>
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<td>Sender, temperature (FWC)</td>
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<td>5</td>
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<td>Sensor, engine coolant temperature (ECT)</td>
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<td>RA121079B</td>
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<td>Engine Wiring Harness Assembly ('06)</td>
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<td>7</td>
<td>R096142</td>
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<td>Washer, main harness attaching</td>
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<td>8</td>
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<td>Screw, main harness attaching</td>
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<td>Switch, oil pressure</td>
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<td>Sender, oil pressure</td>
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<td>15</td>
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<td>Bracket, main harness attaching</td>
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<tr>
<td>16</td>
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<td>Harness, jumper (V-drive applications)</td>
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<td>100 amp Fused Wire, starter to circuit breaker</td>
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<tr>
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<td>Harness, TCP Sensor to TAC Module</td>
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OR
8A AND 9A, 9B
## ECM and RELAYS - FIGURE 17

<table>
<thead>
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<td>Engine Control Module (5.0L - LH) cksum - 22488 (57DB)</td>
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<tr>
<td>1</td>
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<td>AR</td>
<td>Engine Control Module (5.7L - LH) cksum - 7663 (1DEF)</td>
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<td>Relay, fuel pump, ignition, starter (s/n 440612 and above)</td>
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<td>Bolt, circuit breaker mounting</td>
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<td>Fuses, 20 amp</td>
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<td>8</td>
<td>93920000</td>
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<td>Lockwasher, bracket attaching bolt</td>
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<td>8A</td>
<td>TBD</td>
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<td>Stud, bracket attaching</td>
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<td>9</td>
<td>98223016</td>
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<td>97224300</td>
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<td>Nut, nylok, bracket attaching</td>
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<td>9B</td>
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<td>Washer, flat, bracket attaching</td>
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<tr>
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<td>Washer, ECM attaching</td>
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<td>11</td>
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<td>Bolt, ECM attaching</td>
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ACCESSORY DRIVE SYSTEM COMPONENTS (SERPENTINE RAW WATER PUMP) - FIGURE 18

BELT ROUTING

PC57B029a_05
## ACCESSORY DRIVE SYSTEM COMPONENTS (SERPENTINE RAW WATER PUMP) - FIGURE 18

<table>
<thead>
<tr>
<th>ITEM</th>
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<td>Belt, serpentine drive</td>
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</tr>
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<td>RS2307</td>
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<td>Lockwasher, water pump pulley attaching bolt</td>
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<td>4</td>
<td>R096147</td>
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<td>Cover, water pump pulley</td>
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<td>R065053</td>
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<td>Pulley, water pump (5.7L: Red)</td>
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<td>R065053A</td>
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<td>Lockwasher, belt tensioner attaching</td>
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</tr>
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<td>8</td>
<td>RS1028</td>
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<td>TBD</td>
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<td>Lockwasher, cast tensioner bracket attaching</td>
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<td>R090287A</td>
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<td>Bracket, Cast, belt tensioner mounting (replaces R090287)</td>
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<td>Bolt, cast belt tensioner attaching</td>
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<td>22</td>
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<td>Pulley, raw water pump</td>
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<td>23</td>
<td>99335016</td>
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<td>Bolt, RWP pulley attaching</td>
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<td>25</td>
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<td>Flatwasher, RWP pulley attaching</td>
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<td>26</td>
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<td>Alternator Assembly, 70A</td>
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<td>RA097009</td>
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<td>Alternator Assembly, 100A</td>
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<td>RF097009B</td>
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<td>Retrofit Kit, 100A Alternator (5.7L)</td>
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<td>NI</td>
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<td>Harness, Jumper, adapt 70A engine harness to 100A alt.</td>
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<td>NI</td>
<td>R153018A</td>
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<td>Wire, Fused, starter to circuit breaker (5.0/5.7/6.0L)</td>
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<td>Bracket, Alternator, Strap, upper mounting</td>
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<td>28</td>
<td>RS0304</td>
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<td>Bolt, Alternator strap mounting</td>
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<td>29</td>
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<td>30</td>
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<td>Bolt, Alternator mounting, upper, through bolt mount</td>
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<td>RS0311</td>
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<td>38</td>
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<td>42</td>
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<td>Washer, Flat, Alternator Positive Post 70A (only)</td>
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<td>43</td>
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<td>Pulley, Alternator (5.X/6.0), serpentine</td>
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<td>48</td>
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<td>Spacer, tensioner bracket (V-drive)</td>
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</tbody>
</table>
Note: Must use correct size ring terminal on starter B+ terminal. Failure to do so may cause damage to the starter solenoid.
## STARTER ASSEMBLY COMPONENTS - FIGURE 19

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NO.</th>
<th>QTY.</th>
<th>DESCRIPTION</th>
<th>MODEL ID</th>
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<tbody>
<tr>
<td>1</td>
<td>RS7018</td>
<td>1</td>
<td>Nut, solenoid terminal</td>
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</tr>
<tr>
<td>2</td>
<td>RS7080</td>
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<td>Lockwasher, solenoid terminal</td>
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<tr>
<td>3</td>
<td>RU0050B</td>
<td>1</td>
<td>Solenoid, starter</td>
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<tr>
<td>4</td>
<td>R009167</td>
<td>2</td>
<td>Bolt, starter mounting</td>
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<tr>
<td>4A</td>
<td>R009167A</td>
<td>AR</td>
<td>Bolt, starter mounting, special offset</td>
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</tr>
<tr>
<td>5</td>
<td>RA122015</td>
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<td>Starter Motor Assembly (bottom mount)</td>
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<td>5</td>
<td>RA122009</td>
<td>AR</td>
<td>Starter Motor Assembly (top mount)</td>
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<tr>
<td>6</td>
<td>93003000</td>
<td>1</td>
<td>Lockwasher, solenoid terminal</td>
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<td>7</td>
<td>RS7036</td>
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<td>Nut, solenoid terminal</td>
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<td>8</td>
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<td>2</td>
<td>Nut, starter mounting (top mount)</td>
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<tr>
<td>9</td>
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<td>2</td>
<td>Lockwasher, starter mounting (top mount)</td>
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<td>10</td>
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<td>2</td>
<td>Stud, starter mounting (top mount)</td>
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ENGINE and TRANSMISSION MOUNTS - FIGURE 20

Engine Mount Group
Front Mount

Engine Mount Group
Rear Mount
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<thead>
<tr>
<th>ITEM</th>
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<td>R095020</td>
<td>2</td>
<td>Bolt, trunnion clamp</td>
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<tr>
<td>2</td>
<td>RS2180</td>
<td>6</td>
<td>Lockwasher, engine mount attaching bolt</td>
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</tr>
<tr>
<td>3</td>
<td>RS0306</td>
<td>6</td>
<td>Bolt, engine mount attaching (R090071)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>RS0311</td>
<td>4</td>
<td>Bolt, engine mount attaching (R090071A)</td>
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</tr>
<tr>
<td>4</td>
<td>R090071</td>
<td>2</td>
<td>Mount, engine front, short</td>
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</tr>
<tr>
<td>4A</td>
<td>R090071A</td>
<td>AR</td>
<td>Mount, engine front, tall</td>
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<tr>
<td>4B</td>
<td>R090071C</td>
<td>AR</td>
<td>Mount, engine front</td>
<td></td>
</tr>
<tr>
<td>4C</td>
<td>R090317</td>
<td>AR</td>
<td>Mount, engine front, 5.7 to 5.8 footprint (star)</td>
<td></td>
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<tr>
<td>4C</td>
<td>R090316</td>
<td>AR</td>
<td>Mount, engine front</td>
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<td>5</td>
<td>RS2181</td>
<td>2</td>
<td>Lockwasher, trunnion clamp bolt</td>
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<td>6</td>
<td>RS1529</td>
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<td>Nut, trunnion clamp bolt</td>
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<td>7</td>
<td>RS1075</td>
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<td>Nut, adjustment and lock</td>
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<td>RS2186</td>
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<td>Lockwasher, adjusting nut</td>
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<tr>
<td>9</td>
<td>R091001</td>
<td>AR</td>
<td>Trunnion, long</td>
<td></td>
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<tr>
<td>9</td>
<td>R091007</td>
<td>2</td>
<td>Trunnion, short, used with R090071</td>
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<tr>
<td>10</td>
<td>RC091001</td>
<td>2</td>
<td>Trunnion Assembly</td>
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<td>11</td>
<td>RA092016</td>
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<td>Trunnion Assembly</td>
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</tr>
<tr>
<td>12</td>
<td>RA092011</td>
<td>2</td>
<td>Trunnion Assembly, tall (1.23:1 STD / V-drive)</td>
<td>Used with item #17 - R090145 mount</td>
</tr>
<tr>
<td>12</td>
<td>RA092011A</td>
<td>2</td>
<td>Trunnion Assembly, tall (1.23:1 STD / V-drive)</td>
<td>Used with item #16 - R090205 mount</td>
</tr>
<tr>
<td>12</td>
<td>RA091003</td>
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<td>Trunnion Assembly, short (1.0:1 STD)</td>
<td>Used with item #17 - R090145 mount</td>
</tr>
<tr>
<td>12</td>
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<td>Trunnion Assembly, short (1.0:1 STD)</td>
<td>Used with item #16 - R090205 mount</td>
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<td>13</td>
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<td>Trunnion, 2.5” (use with R090145)</td>
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<tr>
<td>13</td>
<td>R091006</td>
<td>2</td>
<td>Trunnion, 2.125” (use with R090205)</td>
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<tr>
<td>14</td>
<td>RS0327</td>
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<td>Bolt, rear mount attaching (R109054, R090318-lower)</td>
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<td>14</td>
<td>RS0328</td>
<td>4</td>
<td>Bolt, rear mount attaching (R090145)</td>
<td></td>
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<td>14</td>
<td>RS0329</td>
<td>4</td>
<td>Bolt, rear mount attaching (R090205)</td>
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<td>14</td>
<td>RS0330</td>
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<td>Bolt, rear mount attaching (R090318, upper)</td>
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<tr>
<td>15</td>
<td>RS2181</td>
<td>4</td>
<td>Lockwasher, rear mount attaching bolt</td>
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</tr>
<tr>
<td>16</td>
<td>R090205</td>
<td>2</td>
<td>Mount, rear</td>
<td></td>
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<tr>
<td>17</td>
<td>R090145</td>
<td>2</td>
<td>Mount, rear</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>R090343</td>
<td>1</td>
<td>Mount, rear, port</td>
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<td>18</td>
<td>R090344</td>
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<td>Mount, rear, starboard</td>
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<tr>
<td>19</td>
<td>R169062</td>
<td>AR</td>
<td>Shim, Mount, rear</td>
<td>03-570-01, 03-570-02, 03-572-01, 15-570V-02, 15-570V-03</td>
</tr>
<tr>
<td>19</td>
<td>R090217A</td>
<td>1</td>
<td>Mount, rear, port (Hurth)</td>
<td>09-570V-01, 09-570V-02</td>
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<tr>
<td>19</td>
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<td>Mount, rear, starboard (Hurth)</td>
<td>09-570V-01, 09-570V-02</td>
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<td>19</td>
<td>R109042</td>
<td>AR</td>
<td>Shim, Mount, rear (2 per side) (Hurth)</td>
<td>09-570V-01, 09-570V-02</td>
</tr>
<tr>
<td>19</td>
<td>R169063</td>
<td>AR</td>
<td>Spacer, Mount, rear, 2”</td>
<td>04-570V-03</td>
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<tr>
<td>19</td>
<td>R169063A</td>
<td>AR</td>
<td>Spacer, Mount, rear, 2” offset</td>
<td>19-570-01, 19-570-02, 19-572-01, 19-572-02</td>
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<td>19</td>
<td>R090318</td>
<td>2</td>
<td>Mount, PCM V-DRV (use with RA092016, item 11)</td>
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<tr>
<td>20</td>
<td>R109054</td>
<td>2</td>
<td>Plate, brace, PCM V-DRV used when there is no mount</td>
<td>15-570V-02, 15-570V-04</td>
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<tr>
<td>21</td>
<td>RS1029</td>
<td>4</td>
<td>Nut, rear mount attaching (R090318)</td>
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<tr>
<td>22</td>
<td>RS2181</td>
<td>4</td>
<td>Lockwasher, rear mount attaching (R090318)</td>
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<tr>
<td>23</td>
<td>90465100</td>
<td>2</td>
<td>Bolt, shim mount attaching (R169062)</td>
<td>03-570-01, 03-570-02, 03-572-01, 15-570V-01, 15-570V-03</td>
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</table>
BELL HOUSING ASSEMBLY - FIGURE 21

MODEL MP5.0/5.7L PARTS MANUAL - 46
<table>
<thead>
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<th>ITEM</th>
<th>PART NO.</th>
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<tbody>
<tr>
<td>1</td>
<td>RA157015</td>
<td>AR</td>
<td>Transmission Assembly, IRM40S, PCM to PCM V-DRV</td>
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<td>2</td>
<td>R031035</td>
<td>8</td>
<td>Stud, PCM V-DRV to transmission attaching</td>
</tr>
<tr>
<td>3</td>
<td>RS2179</td>
<td>8</td>
<td>Lockwasher, PCM V-DRV to transmission attaching</td>
</tr>
<tr>
<td>4</td>
<td>RS7026</td>
<td>8</td>
<td>Nut, PCM V-DRV to transmission attaching</td>
</tr>
<tr>
<td>5</td>
<td>RA156011B</td>
<td>AR</td>
<td>PCM Power-Plus V-Drive Assembly, 1.48:1</td>
</tr>
<tr>
<td>6</td>
<td>R190250</td>
<td>AR</td>
<td>Gear Lube, synthetic SAE 50, PCM V-DRV (1 qt.)</td>
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<tr>
<td>7</td>
<td>TBD</td>
<td>2</td>
<td>Plug, brass, oil fill/drain, PCM V-DRV</td>
</tr>
<tr>
<td>8</td>
<td>97854</td>
<td>2</td>
<td>Fitting, brass elbow 90°, PCM V-DRV</td>
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<td>9</td>
<td>RS3633</td>
<td>1</td>
<td>Plug, brass, raw water drain, 1/2&quot; square socket</td>
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<td>10</td>
<td>RA157017</td>
<td>AR</td>
<td>Transmission Assembly, IRM40A, 1.23:1 PCM</td>
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<td>11</td>
<td>RA156009</td>
<td>AR</td>
<td>Transmission Assembly, 630V, HURTH, 1.29:1</td>
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<td>12</td>
<td>R079056</td>
<td>AR</td>
<td>Adapter, V-Drive, PCM to Walter</td>
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<td>13</td>
<td>RA157001</td>
<td>AR</td>
<td>Transmission Assembly, 1.0:1 Warner (71C)</td>
</tr>
<tr>
<td>14</td>
<td>RA157003</td>
<td>AR</td>
<td>Transmission Assembly, 1.0:1 Warner (72C)</td>
</tr>
<tr>
<td>15</td>
<td>RA157001A</td>
<td>AR</td>
<td>Transmission Assembly, (71C w/v-drive adapter))</td>
</tr>
<tr>
<td>16</td>
<td>R079072</td>
<td>AR</td>
<td>Adapter, V-Drive, Warner to Walter</td>
</tr>
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<td>17</td>
<td>RA156004</td>
<td>AR</td>
<td>V-Drive Assembly, Walters, 1.46:1</td>
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<td>18</td>
<td>RA156010</td>
<td>AR</td>
<td>Transmission Assembly, 90VTS, ZF 2-speed</td>
</tr>
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<td>19</td>
<td>RK104013</td>
<td>AR</td>
<td>Connector Kit, ZF 2-speed</td>
</tr>
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<td>20</td>
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<td>Plate, damper (Warner Transmissions, 5.0/5.7L)</td>
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<td>Plate, damper (PCM Transmissions)</td>
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<td>Plate, damper (Hurth Transmission/2-speed)</td>
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<td>23</td>
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<td>Lockwasher, damper plate attaching bolt</td>
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<td>24</td>
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<td>Bolt, damper plate attaching</td>
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<td>25</td>
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<td>Cover, dust (use w/top mount starter)</td>
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<td>26</td>
<td>R019008A</td>
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<td>Cover, dust (use w/bottom mount starter)</td>
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<td>27</td>
<td>RS1078</td>
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<td>Nut, dust cover attaching</td>
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<td>28</td>
<td>RS2056</td>
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<td>Bolt, dust cover attaching</td>
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<tr>
<td>29</td>
<td>R031033</td>
<td>2</td>
<td>Stud, bellhousing attaches</td>
</tr>
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<td>30</td>
<td>RS2180</td>
<td>2</td>
<td>Lockwasher, bellhousing attaching</td>
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<td>31</td>
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<td>Nut, bellhousing attaching</td>
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<td>32</td>
<td>98443050</td>
<td>3</td>
<td>Bolt, bellhousing attaching</td>
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<td>33</td>
<td>93940000</td>
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<td>Lockwasher, bellhousing attaching</td>
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<td>34</td>
<td>R142014</td>
<td>1</td>
<td>Bellhousing, top or bottom mount starter</td>
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<td>35</td>
<td>R142006B</td>
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<td>Bellhousing, bottom mount starter, only</td>
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<td>36</td>
<td>R019010</td>
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<td>Cover, dust, top mount starter (used w/R019008A)</td>
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<td>37</td>
<td>RS0327</td>
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<td>Bolt, dust cover attaching</td>
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<td>38</td>
<td>RS2181</td>
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<td>Lockwasher, dust cover attaching</td>
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<td>39</td>
<td>RS0329</td>
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<td>RS0329</td>
<td>4</td>
<td>Bolt, transmission attaching</td>
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<td>41</td>
<td>96541</td>
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<td>Stud, transmission mounting (4&quot;)</td>
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<td>42</td>
<td>RS2181</td>
<td>6</td>
<td>Lockwasher, transmission mounting</td>
</tr>
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<td>43</td>
<td>RS1029</td>
<td>2</td>
<td>Nut, transmission mounting stud</td>
</tr>
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<td>44</td>
<td>RS0337</td>
<td>4</td>
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<td>45</td>
<td>R031018</td>
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<td>Stud, transmission mounting (1 5/8&quot;)</td>
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<td>Lockwasher, transmission mounting</td>
</tr>
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<td>47</td>
<td>RS1029</td>
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<td>Nut, transmission mounting stud</td>
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<td>48</td>
<td>RS0329</td>
<td>4</td>
<td>Bolt, transmission mounting</td>
</tr>
</tbody>
</table>
A - FRONT MOUNT SHIFT BRACKET

PCM V-DRV SHIFT BRACKET

15-570V-02
15-570V-04

L510013-06
PRO SPORT / EXCALIBUR

PCB57035
## TRANSMISSION AND RELATED COMPONENTS (1.23:1 FWC) - FIGURE 22

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NO.</th>
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<th>MODEL ID</th>
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<td>Cable Clip, single cable</td>
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<td>2</td>
<td>RS5122</td>
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<td>Bolt, cable clip attaching</td>
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<td>3</td>
<td>R090143</td>
<td>1</td>
<td>Bracket, shift (RWC)</td>
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<td>R090143A</td>
<td>1</td>
<td>Bracket, shift (FWC)</td>
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<td>Nut, cable clip attaching bolt</td>
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<td>5</td>
<td>R090319</td>
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<td>15-570V-02, 15-570V-04</td>
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<td>Bolt, bracket attaching</td>
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<td>RS1078</td>
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<td>Nut, KEPS, bracket attaching bolt</td>
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<td>9</td>
<td>R024010</td>
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<td>Fitting, 90 degree</td>
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<td>R024053</td>
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<td>Fitting, 45 degree</td>
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<td>11</td>
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<td>Transmission, 1.23:1</td>
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<tr>
<td>12</td>
<td>RA045007S</td>
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<td>Hose Assembly, cooler to transmission</td>
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<td>R147014</td>
<td>1</td>
<td>Oil Cooler Assembly, transmission</td>
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<td>Clamp, oil cooler assembly mounting</td>
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<td>RS1078</td>
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<td>Nut, oil cooler attaching</td>
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<td>Bolt, oil cooler clamp attaching</td>
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<td>18</td>
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<td>1</td>
<td>Bracket, oil cooler mounting</td>
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<td>19</td>
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<td>1</td>
<td>Lockwasher, oil cooler clamp attaching bolt</td>
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<td>20</td>
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<td>1</td>
<td>Nut, oil cooler clamp attaching bolt</td>
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<tr>
<td>21</td>
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<td>Fitting, 90 degree</td>
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<tr>
<td>22</td>
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<td>Hose Assembly, transmission to cooler</td>
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</tr>
<tr>
<td>23</td>
<td>R148010</td>
<td>OPT</td>
<td>Coupler, prop shaft (4&quot; X 1&quot; shaft)</td>
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</tr>
<tr>
<td>23</td>
<td>R148011</td>
<td>OPT</td>
<td>Coupler, prop shaft (4&quot; X 1 1/8&quot; shaft)</td>
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<tr>
<td>24</td>
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<td>Screw, set - coupler</td>
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TRANSMISSION AND RELATED COMPONENTS (1.23:1 RWC) - FIGURE 23

A - FRONT MOUNT SHIFT BRACKET
## TRANSMISSION AND RELATED COMPONENTS (1.23:1 RWC) - FIGURE 23

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<th>PART NO.</th>
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</tr>
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<td>7</td>
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<td>13</td>
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<td>Nut, cooler attaching</td>
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</tr>
<tr>
<td>14</td>
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<td>Bolt, cooler clamp attaching</td>
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</tr>
<tr>
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<td>Bracket, cooler mounting</td>
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</tr>
<tr>
<td>16</td>
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<td>Lockwasher, cooler clamp attaching</td>
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<td>17</td>
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<td>Nut, oil cooler clamp attaching</td>
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<td>18</td>
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<td>OPT</td>
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TRANSMISSION AND RELATED COMPONENTS (1.0:1 “V” - DRIVE) - FIGURE 24
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<td>Clamp, cooler assembly mounting</td>
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<td>Bolt, cooler attaching</td>
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<tr>
<td>10</td>
<td>RS1078</td>
<td>1</td>
<td>Nut, cooler attaching</td>
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<tr>
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