

**PowerTech**

**Engine & Equipment  
Model**

**6081**

**Low Comp. Piston**

4802 4806

**8.1L**


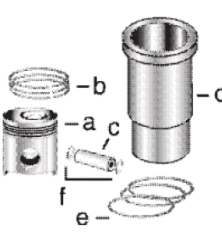



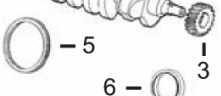


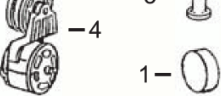
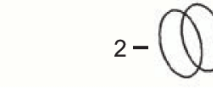
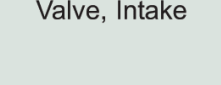


Bore: 4.56 in  
116 mm  
Pin Ø: 1.85 in  
47 mm

**Con Rod (m):**

R116340 (ESN > 86,536)  
R501034 (ESN 86,537 >)

**APPLICATIONS:**

See Index

|  |   |   |  |   |
|--|---|---|--|---|
|    |                     |    |    |   |
| <p><b>1) Engine O/H Kit</b></p>  | <p><b>Piston-Liner Kit</b></p>  | <p><b>Main Bearing</b></p>  | <p><b>Thrust Bearing</b></p>   | <p><b>Con Rod Bearing</b></p>   |
| <p><b>2) Engine I/F Kit</b></p>  | <p><b>TRE508156</b><br/>Consists of:</p>  | <p><b>TRE504195</b> Std.<br/><b>TRE504196</b> .011</p>  | <p><b>TRE504198</b> Std.<br/><b>TRE504199</b> .011</p>   | <p><b>TR116081</b> Std.<br/><b>TRE57167</b> .011</p>                                |
| <p><b>1) TOK504202</b></p>   | <p>a) <b>TRE70689</b></p>   | <p><b>Use 6</b></p>   | <p><b>Use 1</b></p>  | <p><b>Use 6</b></p>   |
| <p><b>2) TIK504202</b></p>   | <p>b) <b>TRE503528</b></p>  |   | <p><b>Thrust Washer</b></p>  |   |
|  | <p>c) <b>TR57771</b></p>  |   | <p><b>TRE61253</b> Std.</p>  |   |
|  | <p>d) <b>TR116236</b></p>   |   | <p><b>Use 3, Order Qty 1</b></p>   |   |
|  | <p>e) <b>TAR98850</b></p>   |   |  |   |
|  | <p>f) <b>TE1343FN</b></p>   |   |  |   |
|   |                    |   |   |  |
| <p><b>1) Front Seal</b><br/><b>2) Rear Seal</b></p>  | <p><b>1) O/H Gasket Set</b></p>   | <p><b>1) Bush, Con Rod</b><br/><b>2) Bolt, Con Rod</b><br/><b>3) Bushing, Cam</b></p>   | <p>1) Plug Camshaft<br/>2) Oil Cooler<br/>3) Tappet<br/>4) Tensioner, Belt</p>   | <p>1) Pump, Water<br/>2) O'ring Mount Kit</p>                                       |
| <p>3) Crankshaft Gear<br/>4) Crankshaft<br/>5) Ring Gear<br/>6) Rear Gear</p>  | <p>2) Head Gasket Set<br/>3) Head Gasket<br/>4) Oil Pan Gasket</p>                                  |   |  |   |
| <p>1) <b>TAR49025</b><br/>2) <b>TRE520036</b><br/>3) <b>TR104587</b><br/>4) <b>TRE535300</b> (1)<br/>or<br/><b>TRE534314</b> (2)<br/>5) <b>TR28811</b><br/>6) <b>TR63326</b></p> | <p>1) <b>TRE506220</b><br/>2) <b>TRE506222</b><br/>3) <b>TRE55475</b><br/>4) <b>TR71918</b> (3)</p> | <p>1) <b>TR74008</b> x6<br/>2) <b>TR66452</b> x12 (4)<br/>3) <b>TR87561</b> x4</p>  | <p>1) <b>TR82007</b><br/>2) <b>TAR55394</b><br/>3) <b>TR110126</b><br/>4) <b>TRE518097</b> (9)<br/><b>TRE68715</b> (9)<br/><b>TRE57498</b> (9)</p> | <p>1) <b>TRE521502</b><br/>2) <b>TRE509463</b></p>                                  |
|   | <p>Valve, Exhaust</p>   | <p>Insert, Valve<br/>1) Intake<br/>2) Exhaust</p>   | <p>1) Cap, Valve<br/>2) Lock, Valve<br/>3) Shield, Valve</p>   | <p>1) Spring, Valve</p>   |
| <p><b>TR84618</b> Std.<br/><b>TR93308</b> .003<br/><b>TR93312</b> .015</p>   | <p><b>TR84619</b> Std.<br/><b>TR93311</b> .003<br/><b>TR93313</b> .015</p>                          | <p>1) <b>TR121193</b><br/>2) <b>TR119132</b></p>  | <p>1) <b>TT20129</b><br/>2) <b>TT20077</b><br/>3) <b>TR102882</b> x6 (5)<br/><b>TR501640</b> x6 (6)</p>  | <p>1) <b>TR91822</b> (7)<br/><b>TR502187</b> (8)</p>                                |
|   |                  | <p>(1) With helical oil pump drive gear. Do not use with HPCR fuel system.<br/>(2) With straight oil pump drive gear.<br/>(3) With Aluminum Oil Pan use <b>TR49377</b> (RE504822).<br/>(4) Use <b>TR66452</b> Rod Bolts with Machine Split Connecting Rods, and use <b>TR501035</b> Rod Bolts with Fractured Split Connecting Rods.<br/>(5) For engine ESN 199,999 and below. For Exhaust Valves only.<br/>(6) For engine ESN 200,000 and above. For Exhaust Valves only.<br/>(7) For engine ESN 199,999 and below.<br/>(8) For engine ESN 200,000 and above.<br/>(9) Check application for proper usage.</p> |  |   |
| <p><b>TAR48675</b> 180° F</p>  | <p><b>TRE60622</b></p>  |   |  |   |