

## Gaskets and Engine Bearings for the Ford 2.0L Engine

### Engine Gaskets for 2.0L Ford Engines

Some of the quality gaskets shown below are manufactured by Ivey Engines.

Description	Part No.	Price
<b>Complete Engine Gasket Set</b> .....	<b>174-01</b> .....	<b>\$182.99</b>
<i>Includes head gasket, wide valve cover gasket, intake manifold gasket, exhaust manifold gasket, water outlet gasket, water pump gasket, oil pan set, front cover gasket, fuel pump block, 3 front seals (for crank, cam, and auxiliary shaft), rear crank seal, and distributor O-Ring. Also includes a set of 8 valve stem seals.</i>		
<b>Bottom End Gasket Set, Manufactured by Federal Mogul</b> .....	<b>174-02</b> .....	<b>\$49.99</b>
<b>Head Gasket Only</b> .....	<b>174-03</b> .....	<b>\$39.99</b>
<b>Valve Cover Gasket, narrow</b> (old style - not common) see note.....	<b>174-04</b> .....	<b>\$13.49</b>
<b>Valve Cover Gasket, wide</b> (.60" side, .72" rear) see note below.....	<b>174-05</b> .....	<b>\$25.99</b>
<b>Note:</b> 174-04 has 3 tabs protruding from sides of valve cover. 174-05 has 4 tabs.		
<b>Water Outlet Gasket</b> .....	<b>174-06</b> .....	<b>\$2.49</b>
<b>Water Pump Gasket</b> .....	<b>174-07</b> .....	<b>\$7.79</b>
<b>Stock Ford Oil Pan Gasket Set</b> .....	<b>174-08</b> .....	<b>\$32.99</b>
<b>Ivey Oil Pan Gasket Set with Cork End Pieces</b> .....	<b>174-13</b> .....	<b>\$12.99</b>
<b>Intake Manifold Gasket</b> .....	<b>174-09</b> .....	<b>\$16.99</b>
<b>Single Piece Exhaust Manifold Gasket (Ivey mfg)</b> .....	<b>174-10</b> .....	<b>\$9.99</b>
<b>Single Piece Graphite Exhaust Header Gasket</b> .....	<b>174-18</b> .....	<b>\$18.49</b>
<b>Front Lower Housing Gasket</b> (front cover).....	<b>174-11</b> .....	<b>\$6.49</b>
<b>Phenolic Carb Spacer Plate with 2 gaskets</b> (same as 1.6L).....	<b>164-14</b> .....	<b>\$21.99</b>
<b>Carb Base Gasket only</b> .....	<b>1586-Gasket</b> .....	<b>\$3.49</b>
<b>Rear Seal for Crankshaft, Cam or Auxiliary Shaft</b> .....	<b>174-20</b> .....	<b>\$18.99</b>
<b>Rear Crankshaft Seal</b> (same as 1.6L engine).....	<b>164-21</b> .....	<b>\$55.99</b>
<b>Standard Ford Valve Stem Seals, 8 pieces</b> .....	<b>174-22</b> .....	<b>\$22.29</b>
<b>Valve Stem Seal with Integral 0.040" Valve Spring Shim, each</b> .....	<b>172-99-001</b> .....	<b>\$1.59</b>
<b>Distributor O-Ring Seal</b> .....	<b>178-07</b> .....	<b>\$2.29</b>

Most of our engine bearings for the Ford 2.0L engine are manufactured by ACL. A few sizes are still stocked in AE or Vandervell (while supplies last). If a specific size is not available from our regular source, we will continue our attempts to find an alternate source.

### Engine Bearings for Ford 2.0L

<b>2.0L Rod Bearings</b>	
<i>Standard Size</i> .....	<i>Part No. 1521-Std</i> ..... \$79.99
<i>.25mm undersize I.D.</i> .....	<i>Part No. 1521-.25mm</i> ..... \$79.99
<i>.50mm undersize I.D.</i> .....	<i>Part No. 1521-.50mm</i> ..... \$79.99
<i>.75mm undersize I.D.</i> .....	<i>Part No. 1521-.75mm</i> ..... \$79.99
<i>1.0mm undersize I.D.</i> .....	<i>Part No. 1521-1.0mm</i> ..... \$79.99
<b>2.0L Main Bearings (standard O.D.)</b>	
<i>Standard Size</i> .....	<i>Part No. 1522-Std</i> ..... \$100.99
<i>.25mm undersize I.D.</i> .....	<i>Part No. 1522-.25mm</i> ..... \$109.99
<i>.50mm undersize I.D.</i> .....	<i>Part No. 1522-.50mm</i> ..... \$109.99
<i>.75mm undersize I.D.</i> .....	<i>Part No. 1522-.75mm</i> ..... \$109.99
<i>1.0mm undersize I.D.</i> .....	<i>Part No. 1522-1.0mm</i> ..... \$109.99
<b>2.0L Thrust Bearing Washers</b>	
<i>Standard Size</i> .....	<i>Part No. 1524-Std</i> ..... \$24.99
<b>2.0L Cam Bearings</b>	
<i>Cam Bearings (all round style)</i> .....	<i>Part No. 1525</i> ..... \$26.99
<b>2.0L Auxiliary Shaft Bearing</b>	
<i>Auxiliary Shaft Front Bearing</i> .....	<i>Part No. 171-31-Frnt</i> ..... \$29.99

## Water and Oil Pump Belts and Pulleys for the Ford 2.0L Engine



44 tooth Water Pump Pulley  
Part No. 166-02-62 (left)  
38 tooth Crankshaft Pulley  
Part No. 176-03 (right)  
190XL050 Drive Belt  
Part No. 166-01-190

30 tooth Pump Pulley for  
Titan Series 2 pump  
Part No. 176-14 (left)

15 tooth Crankshaft Pulley  
for Titan Series 2 pump  
Part No. 176-09 (right)

225L075 Drive Belt  
Part No. 176-10-225



### Water Pump Drive Belts and Pulleys for 2.0L

Our water pump pulleys have a large setback to eliminate the cantilevered load on the water pump. Standard water pump belts are 1/2 inch wide.

Description (pump rpm = 86% of crank rpm)	Part No.	Price
<b>44 tooth pump pulley for .62 inch dia. pump shafts</b> .....	<b>166-02-62</b> .....	<b>\$119.99</b>
<b>38 tooth crankshaft pulley</b> .....	<b>176-03</b> .....	<b>\$96.99</b>
<b>190XL050 belt for above pulleys, 95 teeth, 1/2" wide</b> .....	<b>166-01-190</b> .....	<b>\$12.99</b>

For more toothed belt sizes, see Ford 1.6L water pump drive section on page 67.

### Poly-Vee Belt and Pulleys

The Poly-Vee pulley design has 5 vee-grooves around the circumference that grip matching grooves in the Poly-Vee belt. This provides less slippage than a standard V-belt, without the vibrations inherent with a toothed belt. The pulleys below were specifically designed for Titan crank-driven dry sump pump installations in the Swift chassis.

<b>Poly-Vee Water Pump Pulley (5 grooves)</b> .....	<b>176-07</b> .....	<b>\$104.99</b>
<b>Poly-Vee Crank Pulley for Water Pump Drive</b> .....	<b>176-08</b> .....	<b>\$79.99</b>
<i>The two pulleys above combine to drive the water pump at 64% of crankshaft speed.</i>		
<b>19 inch Poly-Vee Belt for above pulleys (5 vees)</b> .....	<b>176-06-19.0</b> .....	<b>\$44.99</b>

### Oil Pump Pulleys and Belts for 2.0L

Description	Part No.	Price
<b>15 tooth crankshaft drive pulley for Titan Series 2 pump</b> .....	<b>176-09</b> .....	<b>\$106.99</b>
<b>30 tooth Titan Series 2 pump pulley (crankshaft driven)</b> .....	<b>176-14</b> .....	<b>\$106.99</b>
<b>225L075 belt for above pulleys (60 teeth), 3/4" wide</b> .....	<b>176-10-225</b> .....	<b>\$19.99</b>
<b>22 tooth jackshaft drive pulley for Titan Series 2 pump</b> .....	<b>176-12</b> .....	<b>\$99.99</b>
<b>22 tooth Titan Series 2 pump pulley (jackshaft driven)</b> .....	<b>176-13</b> .....	<b>\$119.99</b>
<b>187L050 belt for above pulleys (50 teeth), 1/2" wide</b> .....	<b>176-11-187</b> .....	<b>\$15.49</b>

### Other Oil Pump Belts used on 2.0L Engines:

<b>210L075 oil pump belt (56 teeth), 3/4" wide</b> .....	<b>176-10-210</b> .....	<b>\$20.99</b>
<i>Use with crankshaft-driven Titan Series 1 pump</i>		
<b>187L075 oil pump belt (50 teeth), 3/4" wide</b> .....	<b>176-10-187</b> .....	<b>\$19.99</b>
<b>218L075 oil pump belt (58 teeth), 3/4" wide</b> .....	<b>176-10-218</b> .....	<b>\$22.99</b>

### Oil Pump and Alternator Belts for FE (Formula SCCA)

Description	Part No.	Price
<b>322L075 oil pump belt (86 teeth), 3/4" wide</b> .....	<b>176-10-322</b> .....	<b>\$32.49</b>
<b>195L050 alternator belt (52 teeth), 1/2" wide</b> .....	<b>176-11-195</b> .....	<b>\$26.99</b>

## Technical Data for the Ford 2.0L Engine

### Recommended Race Engine Clearances

Main Bearings.....	0.002"
Con Rod Bearings.....	0.0015" - 0.002"
Camshaft Bearings.....	0.0018" - 0.0026"
Piston to Cylinder Wall.....	0.005"
Top Ring End Gap.....	0.015"
Crankshaft End Float.....	0.0032" - 0.011"
Camshaft End Float.....	0.0016" - 0.0047"
Wrist Pin.....	0.0007" - 0.00153"
Intake Valve Stem.....	0.002"
Exhaust Valve Stem.....	0.0025"
Intake Valve Lash.....	0.010" Cold
Exhaust Valve Lash.....	0.012" Cold

### Recommended Race Engine Torque Specs

Head Bolt.....	85 lbs. ft.
Main Cap Bolt.....	75 lbs. ft.
Rod Cap Nut.....	35 lbs. ft.
Flywheel Bolt.....	50 lbs. ft.
Pressure Plate Bolt.....	15 lbs. ft.
Oil Sump Bolt.....	8 lbs. ft.
Rocker Cover Bolt.....	5 lbs. ft.
Front Cover Bolt.....	13 lbs. ft.
Water Neck Bolt.....	15 lbs. ft.
Camshaft Sprocket Bolt.....	35 lbs. ft.
Crankshaft Pulley Bolt.....	28 lbs. ft.
Intake Manifold Bolt.....	15 lbs. ft.
Exhaust Manifold Bolt.....	15 lbs. ft.
Carb to Manifold Nut.....	15 lbs. ft.
Spark Plug.....	20 lbs. ft.