

Gaskets and Engine Bearings for the Ford 2.0L Engine

Engine Gaskets for 2.0L Ford Engines

Some of the gaskets listed below are manufactured by Ivey Engines specifically for racing use.

Description	Part No.	Price
Bottom End Gasket Set <i>Includes oil pan gasket set, front cover gasket, water pump gasket, front and rear crank seals, auxiliary shaft seal, fuel pump block, and distributor O-ring seal.</i>	174-02	\$49.99
Head Gasket Only, Fel-Pro Permatorque	174-03-PT	\$22.99
Valve Cover Gasket, narrow (old style - not very common).....	174-04	\$15.99
<i>The "old style" gasket has 3 locating tabs sticking out of each long side.</i>		
Valve Cover Gasket, wide (.60" side, .72" rear) see note below	174-05	\$29.99
<i>The current "wide" gasket has 4 locating tabs sticking out of each long side.</i>		
Water Outlet Gasket	174-06	\$2.89
Water Pump Gasket	174-07	\$7.99
Stock Ford Oil Pan Gasket Set	174-08	\$32.99
Ivey Oil Pan Gasket Set with Cork End Pieces	174-13	\$12.99
Intake Manifold Gasket	174-09	\$16.99
Single Piece Exhaust Manifold Gasket (Ivey mfg)	174-10	\$9.99
Single Piece Graphite Exhaust Header Gasket	174-18	\$23.49
Phenolic Carb Spacer Plate with 2 gaskets (same as 1.6L).....	164-14	\$21.99
Carb Base Gasket only	1586-Gasket	\$3.49
Front Seal for Crankshaft, Cam or Auxiliary Shaft	174-20	\$18.99
Rear Crankshaft Seal (same as 1.6L engine).....	164-21	\$67.99
Standard Ford Valve Stem Seals, 8 pieces	174-22	\$22.29
Distributor O-Ring Seal	178-07	\$2.29

Engine Bearings for Ford 2.0L

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.

2.0L Rod Bearings

Standard Size	Part No. 1521-Std	\$79.99
.25mm undersize I.D.	Part No. 1521-.25mm	\$79.99
.50mm undersize I.D.	Part No. 1521-.50mm	\$79.99
.75mm undersize I.D.	Part No. 1521-.75mm	\$79.99
1.0mm undersize I.D.	Part No. 1521-1.0mm	\$79.99

2.0L Main Bearings (standard O.D.)

Standard Size	Part No. 1522-Std	\$100.99
.50mm undersize I.D.	Part No. 1522-.50mm	\$109.99
.75mm undersize I.D.	Part No. 1522-.75mm	\$109.99
1.0mm undersize I.D.	Part No. 1522-1.0mm	\$109.99

2.0L Thrust Bearing Washers

Standard Size	Part No. 1524-Std	\$24.99
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2.0L Cam Bearings

Cam Bearings (all round style)	Part No. 1525	\$26.99
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2.0L Auxiliary Shaft Bearing

Auxiliary Shaft Front Bearing	Part No. 171-31-Frnt	\$29.99
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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
44 tooth pump pulley for .62 inch dia. pump shafts	166-02-62	\$134.99
38 tooth crankshaft pulley	176-03	\$135.99
190XL050 belt for above pulleys, 95 teeth, 1/2" wide	166-01-190	\$13.99

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.

Poly-Vee Water Pump Pulley (5 grooves)	176-07	\$104.99
Poly-Vee Crank Pulley for Water Pump Drive	176-08	\$79.99
<i>The two pulleys above combine to drive the water pump at 64% of crankshaft speed.</i>		
19 inch Poly-Vee Belt for above pulleys (5 vees)	176-06-19.0	\$49.99

Oil Pump Pulleys and Belts for 2.0L

Description	Part No.	Price
30 tooth Titan Series 2 pump pulley (crankshaft driven)	176-14	\$179.99
225L075 belt for above pulleys (60 teeth), 3/4" wide	176-10-225	\$21.99
<i>The above 2 parts are used with a 15-tooth crank pulley (no longer available from Titan).</i>		
22 tooth jackshaft drive pulley for Titan Series 2 pump	176-12	\$169.99
22 tooth Titan Series 2 pump pulley (jackshaft driven)	176-13	\$169.99
187L050 belt for above pulleys (50 teeth), 1/2" wide	176-11-187	\$18.99

Other Oil Pump Belts used on 2.0L Engines:

210L075 oil pump belt (56 teeth), 3/4" wide	176-10-210	\$22.99
<i>Use with crankshaft-driven Titan Series 1 pump</i>		
187L075 oil pump belt (50 teeth), 3/4" wide	176-10-187	\$19.99
218L075 oil pump belt (58 teeth), 3/4" wide	176-10-218	\$25.99

Oil Pump and Alternator Belts for FE (Formula SCCA)

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

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.