

Engine Set No. Sizes Available	Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.
8 ENGINE			VIN	CYL	Bore x Stroke	TORQUE SETTINGS			
1855cc (1.9) 4G51/G51B			L4		81mm x 90mm	Connecting Rod 32-35 ft.lbs/44-47 Nm			
143 2346cc (2.3) 4D55 (SOHC)						Main Bearing 55-61 ft.lbs/74-83 Nm			
Turbo Diesel			9	L4	91.1mm x 90mm				
143 2346cc (2.3) 4D55 (SOHC)									
Turbo Diesel			J	L4	91.1mm x 90mm				
2476cc (2.5) 4D56 (SOHC) Diesel			L4		91.1mm x 95mm				

4B1136 Std. .25 .50 .75 1.0	Rod								
		52.973/2.0855 53.000/2.0866	56.007/2.2050 56.021/2.2055	1.493/0.0588	.021/.0008 .076/.0030	25.13/0.989	F820	8	1136AL IH
5M1137 Std. .25 .50 .75 1.0	Main - for engines with 66mm/2.5984" main journal diameter only.								
	1,2,4,5	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	25.13/0.989	F780	8	1137 U/L
	3 (FI)	65.979/2.5976 66.000/2.5984	70.000/2.7559 70.021/2.7567	1.990/0.0783	.012/.0005 .078/.0031	30.95/1.219	F780	2	1138 IH
<i>Overflange length remains constant for standard and undersizes.</i>									
3BS8288 Std. .25	Balance Shaft								
	2,3	43.009/1.6933 43.025/1.6939	46.030/1.8122 46.050/1.8130	1.478/0.0582		20.24/0.797	F818	2	8288
	1	22.959/0.9039 22.980/0.9047	26.000/1.0236 26.021/1.0244	1.505/0.0593		18.00/0.709	F818	1	8289
RB4091 Semi	Small End - Not bored, 4D55/4D56 engines only.								
		29.000/1.1417	32.000/1.2598			31.90/1.256	F100	1	RB4091

9 ENGINE			VIN	CYL	Bore x Stroke	TORQUE SETTINGS			
122 1997cc (2.0) SOHC (G63B)			5	L4	85mm x 88mm	Connecting Rod 14 ft.lbs + 90 deg. (1993-99 only)			
122 1997cc (2.0) DOHC (4G63)			D	L4	85mm x 88mm	Connecting Rod 23-25 ft.lbs/31-34 Nm (1983-88 only)			
122 1997cc (2.0) SOHC (G63B)			D	L4	85mm x 88mm	Connecting Rod 36-39 ft.lbs/49-53 Nm (1989-92 only)			
122 1997cc (2.0) DOHC (4G63)			E	L4	85mm x 88mm	Main Bearing 37-39 ft.lbs/50-53 Nm (SOHC engines)			
122 1997cc (2.0) DOHC (4G63)						Main Bearing 47-51 ft.lbs/64-69 Nm (DOHC engines)			
Turbo			F	L4	85mm x 88mm				
122 1997cc (2.0) DOHC (4G63)			R	L4	85mm x 88mm				
122 1997cc (2.0) DOHC (4G63)									
Turbo			U	L4	85mm x 88mm				
122 1997cc (2.0) SOHC (4G63)			V	L4	85mm x 88mm				
122 1997cc (2.0) DOHC (4G63)									
Turbo			F	L4	85mm x 88mm				
122 1997cc (2.0) DOHC (4G63T)									
Turbo			L4		85mm x 88mm				

4B1146 Std. .25 .50 .75 1.0	Rod - For engines to 1983-5/92 only.								
		44.991/1.7713 45.000/1.7717	48.000/1.8898 48.020/1.8905	1.494/0.0588	.012/.0005 .067/.0026	23.50/0.925	F810	8	1146A IH
4B1185 Std. .25 .50 .75 1.0	Rod - For engines from 6/92-on.								
		44.981/1.7709 44.996/1.7715	47.998/1.8897 48.019/1.8905	1.493/0.0588	.016/.0006 .078/.0031	21.10/0.831	F810	8	1185A IH
5M1144 Std. .25 .50 .75 1.0	Main - for engines 1983-5/92 only - half groove.								
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1147A U
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.01/0.906	F810	4	1144A L
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
<i>Overflange length remains constant for standard and undersizes.</i>									
5M1147 Std. .25 .50 .75 1.0	Main - for engines 1983-5/92 only - full groove.								
	1,2,4,5	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	23.00/0.906	F810	8	1147A IH
	3 (FI)	56.980/2.2433 57.000/2.2441	61.000/2.4016 61.020/2.4024	1.990/0.0783	.020/.0008 .086/.0034	28.95/1.140	F810	2	1148A IH
<i>Overflange length remains constant for standard and undersizes.</i>									

Type and Location	Standard Shaft Size	Housing Bore	Max. Bearing Thickness	Vertical Oil Clearance	Max. Overall Length	Material Code	Qty. Set	Bearing Shell No.	Engine Set No. Sizes Available
-------------------	---------------------	--------------	------------------------	------------------------	---------------------	---------------	----------	-------------------	--------------------------------

(Cont'd.) 9
Main - for engines from 6/92-97.

1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	25.40/1.000	F810	2	1187A IH

Overflange length remains constant for standard and undersizes.
Main - Alt set to 5M1186 with +0.010" overflange length increase. * See below for dimensional information.

1,2,4,5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	21.00/0.827	F810	8	1186A U/L
3 (FI)	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	2.115/0.0833 (@ 0.25 mm u/s)	.020/.0008 .082/.0032	25.65/1.010	F810	2	1213A IH

Stock not available from fee warehouses.
*** DIMENSIONAL INFORMATION FOR 5M1213**

	Overall Width (Nominal)	Increase in Width
0.25 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.50 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
0.75 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm
1.00 mm u/s shaft	1.010"/25.65mm	+0.010"/0.25mm

Main - for use with engines 1997 on equipped with thrustwashers.

1-5	56.985/2.2435 57.000/2.2441	61.000/2.4016 61.021/2.4024	1.990/0.0783	.020/.0008 .082/.0032	21.00/0.827	F810	10	1186A U/L
-----	--------------------------------	--------------------------------	--------------	--------------------------	-------------	------	----	--------------

Thrust

63.100/2.4842 63.350/2.4941 (I.D.)	80.500/3.1693 80.750/3.1791 (O.D.)				2.11/0.083	F250	2	1219T IH
--	--	--	--	--	------------	------	---	-------------

Set includes 2 pieces to be used with 5M1219.
Balance Shaft - for engines from 1983-7/85.

RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
RHR, LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	2	8388

Balance Shaft - for engines from 8/85-99.

RHF	41.976/1.6526 (Max.)	45.024/1.7726 (Max.)	1.505/0.0593	.025/.0010 .079/.0031	19.00/0.748	F818	1	8387
LHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8388
RHR	40.967/1.6129 (Max.)	44.025/1.7333 (Max.)	1.495/0.0589	.025/.0010 .079/.0031	21.00/0.827	F818	1	8389

5M1186
Std. .25 .50 .75 1.0

5M1213
.25 .50 .75 1.0

5M1219
Std. .25 .50 .75 1.0

1T1219
Std.

3BS8387
Std.

3BS8389
Std. .25 .50