

TORQUE SPECIFICATIONS

All readings in ft. lbs.

Year	Engine		Cylinder	Main ①	Rod	Crankshaft	Flywheel Bolts	Manifold		Spark Plugs	Lug Nut
	Displacement	Engine	Head	Bearing	Bearing	Damper		Intake	Exhaust		
	Liters (cc)	ID/VIN	Bolts	Bolts	Bolts	Bolts					
1995	1.8 (1820)	1	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	1.8 (1820)	2	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	2.2 (2212)	3	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	3.3 (3318)	3	④	22	31-44	108-123	51-55	17-20	19-26	13-17	58-72
	2.2 (2212)	4	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
1996	1.8 (1820)	1	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	1.8 (1820)	2	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	2.2 (2212)	3	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	3.3 (3318)	3	④	22	31-44	108-123	51-55	17-20	19-26	13-17	58-72
	2.2 (2212)	4	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	2.5 (2457)	6	②	③	31-44	123-137	51-55	17-20	19-26	13-17	58-72
1997	1.8 (1820)	2	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	3.3 (3318)	3	④	22	31-44	108-123	51-55	17-20	19-26	13-17	58-72
	2.2 (2212)	4	②	③	31-44	87-104	51-55	17-20	19-26	13-17	58-72
	2.5 (2457)	6	②	③	31-44	123-127	51-55	17-20	19-26	13-17	58-72
1998	2.2 (2212)	4	②	③	31-44	87-101	51-55	17-20	19-26	13-17	58-72
	2.5 (2457)	6	②	③	31-44	123-137	51-55	17-20	19-26	13-17	58-72
1999-00	2.2 (2212)	4	②	③	31-44	87-101	51-55	17-20	19-26	13-17	58-72
	2.5 (2457)	6	②	③	31-44	123-137	51-55	17-20	19-26	13-17	58-72

① Engine block connecting bolts.

② Step 1: Tighten all bolts to 22 ft. lbs.

Step 2: Tighten all bolts to 51 ft. lbs.

Step 3: Loosen all bolts 180 degrees.

Step 4: Repeat Step 3.

Step 5: Tighten bolts 1 and 2 to 25 ft. lbs.

Step 6: Tighten bolts 3, 4, 5 and 6 to 11 ft. lbs.

Step 7: Tighten all bolts 80 to 90 degrees.

Step 8: Repeat Step 7. Do not exceed 180 degrees total tightening.

③ Split engine case connecting bolts:

Short bolts: 17 - 20 ft. lbs.

Long bolts: 33 - 37 ft. lbs.

Smaller short bolts (if used) 5 ft. lbs.

④ Step 1: Tighten all bolts to 22 ft. lbs.

Step 2: Tighten all bolts to 51 ft. lbs.

Step 3: Loosen all bolts 180 degrees.

Step 4: Repeat Step 3.

Step 5: Tighten all bolts to 20 ft. lbs.

Step 6: Tighten bolts 1, 2, 3 and 4 an additional 90 degrees.

Step 7: Tighten bolts 5, 6, 7 and 8 to 33 ft. lbs.