TORQUE SPECIFICATIONS

Components	English	Metric
Thermostat housing retaining bolts		
4.2L engine	103 inch lbs.	12 Nm
4.6L, 5.4L and 6.8L engines	15-22 ft. lbs.	20-30 Nm
5.8L engine	12-18 ft. lbs.	16-24 Nm
7.3L diesel engine	15 ft. lbs.	20 Nm
7.5L engine	22-38 ft. lbs.	32-37 Nm
Timing chain guide retaining bolts		
4.6L, 5.4L and 6.8L engines	71-106 inch lbs.	8-12 Nm
Timing chain tensioner retaining bolts		
4.2L engine	6-10 ft. lbs.	8-14 Nm
4.6L, 5.4L and 6.8L engines	15-22 ft. lbs.	20-30 Nm
7.3L diesel engine	15 ft. lbs.	20 Nm
Timing cover retaining bolts		
4.2L engine	15-22 ft. lbs.	20-30 Nm
4.6L and 5.4L engines	①	①
5.8L engine	12-18 ft. lbs.	16-24 Nm
6.8L engine	①	①
7.3L diesel engine	15 ft. lbs.	20 Nm
7.5L engine	15-20 ft. lbs.	20-27 Nm
Torque converter retaining nuts		
4.6L, 5.4L and 6.8L engines	22-25 ft. lbs.	20-30 Nm
5.8L and 7.5L engines	30 ft. lbs.	41 Nm
7.3L diesel engine	89 ft. lbs.	121 Nm
Turbocharger (7.3L diesel only)		
Turbocharger-to-engine bolts	18 ft. lbs.	25 Nm
Turbocharger exhaust inlet pipe-to-exhaust inlet pipe adapter bolts	36 ft. lbs.	49 Nm
Turbocharger inlet pipe-to-exhaust manifold bolts	28 ft. lbs.	38 Nm
Valve cover retaining bolts		
4.2L engine	6-8 ft. lbs.	8-11 Nm
4.6L, 5.4L and 6.8L engines	71-106 inch lbs.	8-12 Nm
5.8L engine	12-15 ft. lbs.	16-20 Nm
7.3L diesel engine	8 ft. lbs.	11 Nm
7.5L engine	6-9 ft. lbs.	8-12 Nm
Water pump bolts		
4.2L, 4.6L, 5.4L and 6.8L engines	15-22 ft. lbs.	20-30 Nm
5.8L and 7.5L engines	18 ft. lbs.	25 Nm
7.3L diesel engine	15 ft. lbs.	20 Nm
Water pump pulley-to-water pump bolts		
4.2L, 4.6L, 5.4L and 6.8L engines	15-22 ft. lbs.	20-30 Nm
5.8L and 7.5L engines	12-18 ft. lbs.	16-25 Nm
7.3L diesel engine	12-18 ft. lbs.	16-25 Nm

① Refer to procedure for specific directions on tightening torgue/sequence

② Tighten the bolts near the screen to 15-22 ft. lbs.(20-30 Nm), tighten the bolts away from the screen to 71-106 inch lbs (8-12 Nm)

③ Tighten the bolt to 66 ft. lbs. (90 Nm), then back off the bolt 90 degrees, tighten it to 35-39 ft. lbs. (47-53 Nm), then an additional 85-95 degrees