TORQUE SPECIFICATIONS

Components	English	Metric
Balance shaft		
4.2L engine		
Thrust plate bolts	70-124 inch lbs.	8-14 Nm
6.8L engine		
Bearing caps	①	①
Camshaft		
4.2L engine		
Thrust plate bolts	6-10 ft. lbs.	8-14 Nm
4.6L, 5.4L and 6.8L engines		
Timing gear retaining bolt	81-95 ft. lbs.	110-130 Nm
Bearing caps	①	①
5.8L and 7.5L engines		
Thrust plate bolts	9-12 ft. lbs.	12-16 Nm
7.3L diesel engine		
Thrust plate bolts	9-12 ft. lbs.	12-16 Nm
Crankshaft damper retaining bolt		
4.2L engine	103-117 ft. lbs.	140-160 Nm
4.6L, 5.4L and 6.8L engines	③	③
5.8L and 7.5L engines	70-90 ft. lbs.	95-122 Nm
7.3L diesel engine	212 ft. lbs.	287 Nm
Crankshaft main bearing caps		
7.5L engine	95-105 ft. lbs.	129-142 Nm
Cylinder head bolts		
All engines	①	①
EGR tube-to-valve/manifold nut		
4.2L engine	25-34 ft. lbs.	34-46 Nm
4.6L, 5.4L and 6.8L engines	26-33 ft. lbs.	35-45 Nm
Engine fan clutch-to-water pump nut/bolts		
4.2L, 4.6L, 5.4L and 6.8L engines	45 ft. lbs.	61 Nm
5.8L and 7.5L engines	12-18 ft. lbs.	16-25 Nm
7.3L diesel engine	84-112 ft. lbs.	113-153 Nm
Engine mounts		
4.2L engine	51-67 ft. lbs.	68-92 Nm
4.6L, 5.4L and 6.8L engines	15-22 ft. lbs.	20-30 Nm
5.8L and 7.5L engines		
Through-bolts	80 ft. lbs.	108 Nm
Nuts	70 ft. lbs.	95 Nm
7.3L diesel engine	71-94 ft. lbs.	96-127 Nm
Engine-to-transmission retaining bolts		
4.6L, 5.4L and 6.8L engines	30-44 ft. lbs.	40-60 Nm
5.8L and 7.5L engines	50 ft. lbs.	68 Nm
7.3L diesel engine	65 ft. lbs.	88 Nm
Exhaust manifold retaining bolts		
4.2L engine	15-22 ft. lbs.	20-30 Nm
4.6L and 5.4L engines	13-16 ft. lbs.	18-22 Nm
5.8L and 7.5L engines	25-35 ft. lbs.	34-47 Nm
6.8L engine	17-20 ft. lbs.	23-27 Nm
7.3L diesel engine	45 ft. lbs.	61 Nm
Exhaust manifold-to-exhaust pipe/catalytic converter bolts		
4.2L, 4.6L, 5.4L and 6.8L engines	25-34 ft. lbs.	34-46 Nm
5.8L and 7.5L engines	25-35 ft. lbs.	34-47 Nm