

TORQUE WRENCH SETTINGS

Engine V8

TORQUE DESCRIPTION	METRIC	IMPERIAL
Engine mounting bolts (rear, LH & RH) to gearbox bolts	85 Nm	(63 lbf.ft)
Engine mounting (rear, LH & RH) nuts	45 Nm	(33 lbf.ft)
Cylinder head bolts tighten, then 90°, then a further 90° *	20 Nm	(15 lbf.ft)
Rocker shaft bolts	40 Nm	(30 lbf.ft)
Alternator mounting bracket	40 Nm	(30 lbf.ft)
Auxiliary drive belt tensioner	45 Nm	(33 lbf.ft)
Engine earth lead	22 Nm	(16 lbf.ft)
Rocker cover screws/bolts *	8 Nm	(6 lbf.ft)
Torque converter to drive plate	50 Nm	(37 lbf.ft)
A/C compressor	22 Nm	(16 lbf.ft)
ACE pump	22 Nm	(16 lbf.ft)
Flywheel to crankshaft	78 Nm	(58 lbf.ft)
Crankshaft sensor	6 Nm	(5 lbf.ft)
Crankshaft sensor cover	6 Nm	(5 lbf.ft)
Spacer and hub to crankshaft - Early engines	85 Nm	(63 lbf.ft)
Drive plate and clamp ring - Early engines	45 Nm	(33 lbf.ft)
Drive plate to crankshaft Allen bolts - Later engines	85 Nm	63 lbf.ft)
Oil pick up strainer	10 Nm	(7 lbf.ft)
Filter head adaptor	13 Nm	(10 lbf.ft)
Filter head	8 Nm	(6 lbf.ft)
Sump bolts	22 Nm	(16 lbf.ft)
Oil pressure switch	15 Nm	(11 lbf.ft)
Timing gear cover to cylinder block +	22 Nm	(16 lbf.ft)
Oil cooler pipe to timing gear cover	15 Nm	(11 lbf.ft)
Crankshaft pulley bolt	270 Nm	(200 lbf.ft)
Coolant outlet elbow	22 Nm	(16 lbf.ft)
Auxiliary housing	40 Nm	(30 lbf.ft)
Jockey pulley	50 Nm	(37 lbf.ft)
Camshaft gear	50 Nm	(37 lbf.ft)
Rocker shaft bolts	40 Nm	(30 lbf.ft)
Connecting rod bolts	20 Nm	(15 lbf.ft)
Final torque - turn through 80°°	80°	80°
Initial torque - all main bearing cap bolts and side bolts	13.5 Nm	(10 lbf.ft)
Final torque - main bearing cap side bolts 11 to 15	45 Nm	(33 lbf.ft)
Final torque - main bearing cap bolts 1 to 8	72 Nm	(53 lbf.ft)
Final torque - main bearing cap bolts 9 and 10	92 Nm	(68 lbf.ft)
Final torque - main bearing cap side bolts 16 to 20	45 Nm	(33 lbf.ft)
Viscous fan nut	45 Nm	(33 lbf.ft)
Camshaft thrust plate bolts	22 Nm	(16 lbf.ft)
Secondary Air Injection adapters	33 Nm	(24 lbf.ft)

* New bolts must be fitted

+ Apply sealant, Part Number STC 50552 to threads