

Vortec 8100 / 496 Mag Fastener Tightening Specifications

Application	Metric	English
Accessory Drive Belt Tensioner Bolt	50 Nm	37 lb ft
Air Cleaner Outlet Duct Clamp	4 Nm	35 lb ft
Air Conditioning Belt Tensioner Bolt	50 Nm	37 lb ft
Battery Cable Channel Bolt	9 Nm	80 lb in
Camshaft Position Sensor (6mm)	12 Nm	106 lb in
Camshaft Retainer Bolt (10mm)	12 Nm	106 lb in
Camshaft Sprocket Bolt (8mm)	30 Nm	22 lb ft
Crankshaft Balancer Bolt	255 Nm	189 lb ft
Crankshaft Oil Deflector Nut (10mm)	50 Nm	37 lb ft
Crossbar / Maincap	125 Nm	95 lb ft
Cylinder Head Bolt (Raylar Aluminum Head w/ 100mm Length Bolt)	75 Nm	55 lb ft
Cylinder Head Bolt (Raylar Aluminum Head w/ 60mm Length Bolt and MLS Gaskets)	68 Nm	50 lb ft
Cylinder Head Bolt (Iron Head)	81 Nm	60 lb ft
Drive Belt Idler Pulley Bolt	50 Nm	37 lb ft
Engine Coolant Temp Sensor Bracket Bolt	50 Nm	37 lb ft
Engine Coolant Temp Sensor	20 Nm	15 lb ft
Engine Front Cover Bolt (6mm)	12 Nm	106 lb in
Engine Harness Bolt	5 Nm	44 lb in
Engine Harness Ground Bolt	16 Nm	12 lb ft
Engine Harness Stud	10 Nm	89 lb in
Engine Mount Bracket Through Bolt	75 Nm	55 lb ft
Engine Mount To Engine Bolt	50 Nm	37 lb ft
Engine Mount To Engine Mount Bracket Bolt	65 Nm	48 lb ft

Application	Metric	English
Engine Shield Bolt	65 Nm	48 lb ft
Engine Wiring Harness Bolt	16 Nm	12 lb ft
Exhaust Gas Recirculation Pipe Bolt	30 Nm	22 lb ft
Fuel Rail Stud	12 Nm	106 lb in
Flywheel Bolt	100 Nm	74 lb ft
Heater Hose Bracket Bolt	50 Nm	37 lb ft
Hood Hinge Bolt	25 Nm	18 lb ft
Ignition Coil Harness Bolt	12 Nm	106 lb in
Intake Manifold Bolt	12 Nm	106 lb in
Intake Manifold Sight Shield Bolt	10 Nm	89 lb in
Intake Manifold Sight Shield Bracket Nut	5 Nm	44 lb in
J42847 Flywheel Holding Tool Bolt	50 Nm	37 lb ft
Lift Bracket Bolt	40 Nm	30 lb ft
Oil Filter Fitting	66 Nm	49 lb ft
Oil Level Indicator Tube Nut	18 Nm	13 lb ft
Oil Level Sensor	20 Nm	15 lb ft
Oil Pan Bolt	25 Nm	18 lb ft
Oil Pan Drain Plug	28 Nm	21 lb ft
Oil Pan Skid Plate Bolt	20 Nm	15 lb ft
Oil Pump Bolt	75 Nm	56 lb ft
Oil Pump Drive Bolt	25 Nm	18 lb ft
Power Steering Pump Bracket Bolt / Nut	50 Nm	37 lb ft
Secondary Air Injection Pipe Bolt	25 Nm	18 lb ft
Secondary Air Injection Pump Pipe Bolt	50 Nm	37 lb ft

Application	Metric	English
Secondary Air Injection Pipe Nut	12 Nm	106 lb in
Valve Lifter Guide Retainer Bolt	25 Nm	18 lb ft