

Fr Susp

Xmber Mounting Nuts (Use New Nuts)	110 N-m	81 lb ft
Lower Control Arm Ball Joint Stud Nut (1st Pass)	20 N-m	15 lb ft
Lower Control Arm Ball Joint Stud Nut (2nd Pass)	210 deg	
Lower Control Arm Ball Joint Stud Nut (Final Pass)	70 N-m	52 lb ft
Lower Control Arm Mounting Bolt Nuts	170 N-m	125 lb ft
Shock Absorber Lower Mounting Nuts	28 N-m	21 lb ft
Shock Absorber Upr Mounting Nut	26 N-m	19 lb ft
Stabilizer Shaft Insulator Clamp Bolts	58 N-m	43 lb ft
Stabilizer Shaft Link Nuts	72 N-m	53 lb ft
Steering Linkage Outer Tie Rod End Stud Nut (1st Pass)	20 N-m	15 lb ft
Steering Linkage Outer Tie Rod End Stud Nut (2nd Pass)	160 deg	
Steering Linkage Outer Tie Rod End Stud Nut (Final Pass)	45 N-m	33 lb ft
Steering Linkage Tie Rod End Jam Nut	60 N-m	44 lb ft
Transverse Spring Retainer Bolts (Use New Bolts)	62 N-m	46 lb ft
Upr Control Arm Ball Joint Stud Nut (1st Pass)	20 N-m	15 lb ft
Upr Control Arm Ball Joint Stud Nut (2nd Pass)	250 deg	
Upr Control Arm Ball Joint Stud Nut (Final Pass)	55 N-m	41 lb ft
Upr Control Arm Mounting Bolts	65 N-m	48 lb ft
Wheel Hub/Bearing Mounting Bolts	130 N-m	96 lb ft

Rr Susp

Lower Control Arm (Fr) Cam Bolt Nut	145 N-m	107 lb ft
Lower Control Arm (Rr) Cam Bolt Nut	95 N-m	70 lb ft
Lower Control Arm Ball Joint Stud Nut (1st Pass)	20 N-m	15 lb ft
Lower Control Arm Ball Joint Stud Nut (2nd Pass)	3 ½ flats	
Lower Control Arm Ball Joint Stud Nut (Final Pass)	70 N-m	52 lb ft
Outer Tie Rod End Stud Nut (1st Pass)	20 N-m	15 lb ft
Outer Tie Rod End Stud Nut (2nd Pass)	160 deg	
Outer Tie Rod End Stud Nut (Final Pass)	45 N-m	33 lb ft
Rr Xmber Mounting Nuts (Use New Nuts)	110 N-m	81 lb ft
Rr Drive Axle Spindle Nut	160 N-m	118 lb ft
Rr Susp Adjustment Link to Xmber Nut	60 N-m	44 lb ft
Shock Absorber Lower Mounting Bolt	220 N-m	162 lb ft
Shock Absorber Upr Mounting Bolts	29.5 N-m	22 lb ft
Stabilizer Shaft Insulator (Lower) Clamp Nut	95 N-m	70 lb ft
Stabilizer Shaft Insulator (Upr) Clamp Bolt	65 N-m	49 lb ft
Stabilizer Shaft Link Nuts	72 N-m	53 lb ft
Tie Rod End Jam Nut	60 N-m	44 lb ft
Transverse Spring Mounting Bracket Bolts	62 N-m	46 lb ft
Upr Control Arm Ball Joint Stud Nut (1st Pass)	20 N-m	15 lb ft
Upr Control Arm Ball Joint Stud Nut (2nd Pass)	250 deg	
Upr Control Arm Ball Joint Stud Nut (Final Pass)	55 N-m	41 lb ft
Upr Control Arm Mounting Bolt	110 N-m	81 lb ft
Wheel Hub Mounting Bolts	130 N-m	96 lb ft

Trans

Bearing Hsng Assm to Coupling Bolts	70 N-m	52 lb ft
Bearing Hsng Assm to Driveline sup Tube Bolts	65 N-m	48 lb ft
Clutch Actuator Cylinder Mounting Bolts	12 N-m	106 lb in
Coupling to Propeller Shaft Bolts	70 N-m	52 lb ft
Driveline Tunnel Closeout Panel Bolts	10 N-m	89 lb in
Driveline sup Assm to Engine Flywheel Hsng Bolts	50 N-m	37 lb ft
EBTCM LH Mounting Bracket Mounting Bolts	50 N-m	37 lb ft
Flexplate to Flexplate Spindle Bolts	50 N-m	37 lb ft
Hub to Flexplate Spindle Bolt (Automatic trans)	50 N-m	37 lb ft
Input Shaft Bearing Positioning Bolts	35 N-m	26 lb ft

Brakes

Brake Caliper Bleed Screw	12 N-m	106 lb in
Brake Caliper Guide Pin Bolt	31 N-m	23 lb ft
Brake Caliper Inlet Fitting Bolt	40 N-m	30 lb ft
Fr Brake Caliper Mounting Bracket Bolt	175 N-m	125 lb ft
Rr Brake Caliper Mounting Bracket Bolt	175 N-m	125 lb ft

Engine

	Nm	Ft Lb	in-lb
AIR Pipe-to-Exh Man Bolts	20	15	--
AIR Rt Side Pipe Bracket-to-head Bolt	50	37	--
Camshaft Retainer Bolts	25	18	--
Camshaft Sensor Bolt	25	18	--
Camshaft Sprocket Bolts	35	26	--
Connecting Rod Bolts (1st Pass)	20	15	--
Connecting Rod Bolts (fin Pass)	60 deg 97'-00'		
Connecting Rod Bolts (fin Pass)	75 deg 01'-		
Coolant Temperature Gauge Sensor	20	15	--
Crank Balancer Bolt (Installation Pass-to Ensui	330	240	--
Crank Balancer Bolt (1st Pass-Loosen the Bolt	50	37	--
Crank Balancer Bolt (fin Pass)	140 deg		
Crank Bearing Cap Bolts (Inner Bolts-1st Pass	20	15	--
Crank Bearing Cap Bolts (Inner Bolts-fin Pass i	80 deg		
Crank Bearing Cap Side Bolts	25	18	--
Crank Bearing Cap Studs (Outer Studs-1st Pa	20	15	--
Crank Bearing Cap Studs (Outer Studs-fin Pas	53 deg		
Crank Oil Deflector Nuts	25	18	--
Crank Position Sensor Bolt	25	18	--
head Bolts (1st Pass all M11 Bolts in Sequenc	30	22	--
head Bolts (2nd Pass all M11 Bolts in Sequenc	90 deg		
head Bolts (fin Pass all M11 Bolts in Sequence	90 deg		
head Bolts (fin Pass M11 Medium Length Bolts	50 deg		
head Bolts (M8 Inner Bolts in Sequence)	30	22	--
head Coolant Plug	20	15	--
head Core Hole Plug	20	15	--
Drive Belt Idler Pulley Bolt	50	37	--
Drive Belt Tensioner Bolts	50	37	--
Engine Block Coolant Drain Plugs	60	44	--
Engine Block Heater	40	30	--
Engine Block Oil Gallery Plugs	60	44	--
Engine Coolant Air Bleed Pipe Bolts	12	--	106
Engine Flywheel Bolts (1st Pass)	20	15	--
Engine Flywheel Bolts (2nd Pass)	50	37	--
Engine Flywheel Bolts (fin Pass)	100	74	--
Engine Flywheel Hub Collar Bolt (auto trans)	130	96	--
Engine Fr Cover Bolts	25	18	--
Engine Mount Bracket-to-Engine Block Bolts	50	37	--
Engine Rr Cover Bolts	25	18	--
Engine Service Lift Bracket M10 Bolts	50	37	--
Engine Service Lift Bracket M8 Bolt	25	18	--
Engine Valley Cover Bolts	25	18	--
Exh Man Bolts (1st Pass)	15	11	--
Exh Man Bolts (fin Pass)	25	18	--
Fuel Injection Fuel Rail Bolts	10	--	89
Generator and Power Steering Pump Bracket f	50	37	--
Generator Rr Bracket Bolts	50	37	--
Ground Strap-to-LH head Bolt	32	23	--
Ground Strap-to-LH Frame Rail Bolt	10	--	89

Input Shaft to Coupling Bolts	70 N-m	52 lb ft	Ignition Coil Bolts	12	--	106
Negative Battery Cable Bolt	15 N-m	11 lb ft	Ignition Coil Wire Harness Connector Bolts	12	--	106
Output Flange Bolt	50 N-m	37 lb ft	Int Man Bolts (1st Pass in Sequence)	5	--	44
Propeller Shaft Hub Clamp Bolt	130 N-m	96 lb ft	Int Man Bolts (fin Pass in Sequence)	10	--	89
Rr Exhaust Hanger Mounting Bolts	50 N-m	37 lb ft	Knock Sensors	20	15	--
Rr Shock Absorber Lower Mounting Bolt	220 N-m	162 lb ft	Oil Filter	30	22	--
Rr Susp Xmember Mounting Nuts	110 N-m	81 lb ft	Oil Filter Fitting	55	40	--
Shift Control Mounting Bolts	30 N-m	22 lb ft	Oil Level Indicator Tube Bolt	16	12	--
Shift Control Closeout Boot Retaining Nuts	12 N-m	106 lb in	Oil Level Sensor	13	--	115
Transaxle Mount Bracket to Differential Bolts	50 N-m	37 lb ft	Oil Pan Baffle Bolts	12	--	106
Transaxle Mount to Rr Susp Xmember Nuts	50 N-m	37 lb ft	Oil Pan Cover Bolt (Left Side)	12	--	106
trans to Driveline sup Assm Bolts/Studs	50 N-m	37 lb ft	Oil Pan Cover Bolt (Rt Side)	12	--	106
trans Oil Cooler Rr Pipe Fr Fittings to Junction Fittings at	27 N-m	20 lb ft	Oil Pan Cover Bolts	12	--	106
trans Oil Cooler Rr Pipe Rr Fittings to trans Fittings	40 N-m	30 lb ft	Oil Pan Drain Plug	25	18	--
trans Oil Cooler Rr Pipe Fr and Rr Retaining Clamp Bolt:	12 N-m	106 lb in	Oil Pan M8 Bolts (Oil Pan-to-Engine Block and	25	18	--
trans Shift Control Cable Bracket Retaining Nuts	20 N-m	15 lb ft	Oil Pan M6 Bolts (Oil Pan-to-Rr Cover)	12	--	106
trans Shift Rod Clamp Bolt	30 N-m	22 lb ft	Oil Pressure Sensor	20	15	--
trans Wiring Harness to LH trans Case Retaining Bolt	2.5 N-m	22 lb in	Oil Pump-to-Engine Block Bolts	25	18	--
Rr Drive Shaft Spindle Nut	160 N-m	118 lb ft	Oil Pump Cover Bolts	12	--	106
<u>Diff</u>			Oil Pump Relief Valve Plug	12	--	106
Differential Case Bolts	55 N-m	41 lb ft	Oil Pump Screen Nuts	25	18	--
Differential-to-trans Bolts and Nuts	50 N-m	37 lb ft	Oil Pump Screen-to-Oil Pump Bolt	12	--	106
Drain Plug	35 N-m	26 lb ft	Oil Temperature Sensor	20	15	--
Driveline sup Assm-to-Engine Flywheel Hsng Bolts	50 N-m	37 lb ft	Oxygen Sensor	42	31	--
Electronic Brake and Traction Control Module (EBTCM)	50 N-m	37 lb ft	Power Steering Pump Bolts	25	18	--
Fill Plug	35 N-m	26 lb ft	Power Steering Reservoir Bracket Bolt	50	37	--
Left Side Cover Bolts	25 N-m	18 lb ft	Spark Plugs (head-New)	20	15	--
Negative Battery Cable Bolt	15 N-m	11 lb ft	Spark Plugs (head-all Subsequent Installations)	15	11	--
Pinion Hsng/Cage Bolts	25 N-m	18 lb ft	Starter Motor Bolts	50	37	--
Pinion Nut	500 N-m	370 lb ft	Throttle Body Bolt	12	--	106
Propeller Input Shaft Bearing Positioning Bolts	35 N-m	26 lb ft	Valve Lifter Guide Bolt	12	--	106
Propeller Shaft Hub Clamp Bolt	130 N-m	96 lb ft	Valve Rocker Arm Bolts	30	22	--
Rr Cover Bolts and Stud	10 N-m	89 lb in	Valve Rocker Arm Cover Bolts	12	--	106
Rr Shock Absorber Lower Mounting Bolt	220 N-m	162 lb ft	Water Inlet Housing Bolts	15	11	--
Rr Susp Xmember Mounting Nuts	110 N-m	81 lb ft	Water Pump Bolts (1st Pass)	15	11	--
Right Side Cover Bolts	25 N-m	18 lb ft	Water Pump Bolts (fin Pass)	30	22	--
Ring Gear Bolts	195 N-m	144 lb ft	Water Pump Cover Bolts	15	11	--
Shift Control Closeout Boot Retaining Nuts	12 N-m	106 lb in	Water Pump Pulley Bolts (1st Pass)	10	--	89
Shift Control Mounting Bolts	30 N-m	22 lb ft	Water Pump Pulley Bolts (fin Pass)	25	18	--
Transaxle Mount Bracket-to-Differential Bolts	50 N-m	37 lb ft	<u>Exhaust</u>			
Transaxle Mount-to-Bracket Nuts	59 N-m	43 lb ft	Exhaust Manifold to Takedown Pipe Bolts	20 N-m	15 lb ft	
Transaxle Mount-to-Rr Susp Xmember Nuts	50 N-m	37 lb ft	Exhaust Muffler Hanger Frame Nut	16 N-m	12 lb ft	
trans Oil Cooler Rr Pipe Fitting-to-Junction Fittings at En	27 N-m	20 lb ft	Front Exhaust Hanger Bolt	50 N-m	37 lb ft	
trans Shift Rod Clamp Bolt	30 N-m	22 lb ft	Fuel Tank Shield Bolt	25 N-m	18 lb ft	
trans Stud Mount Bolts	10 N-m	89 lb in	Fuel Tank Shield Nut	12 N-m	106 lb in	
trans Stud-to-Mount	42 N-m	31 lb ft	Heated Oxygen Sensor	41 N-m	30 lb ft	
trans Wiring Harness-to-LH trans Case Retaining Bolt	2.5 N-m	22 lb in	H-Pipe to Rear Pipe bolts	50 N-m	37 lb ft	
Vehicle Speed Sensor Bolt	10 N-m	89 lb in	Rear Exhaust Hanger Bolt	50 N-m	37 lb ft	
<u>Clutch</u>			Rear Stabilizer Shaft Bolt	54 N-m	40 lb ft	
Clutch Actuator Cylinder Mounting Bolts	12 N-m	106 lb in	H-pipe hanger to bellhousing bolts	50 N-m	37 lb ft	
Clutch Pedal Nut	50 N-m	37 lb ft				
Clutch Pressure Plate Bolts ¹	63 N-m	47 lb ft				
Cruise Release Switch Bracket Retaining Bolts	12 N-m	106 lb in				
Engine Flywheel Inspection Cover Retaining Bolts	25 N-m	18 lb ft				
Negative Battery Cable Bolt	15 N-m	11 lb ft				