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BRAKES

BPMV Brake Pipe Fittings	16 N·m	12 lb ft
Brake Fluid Pressure Sensor	22 N·m	16 lb ft
EBCM/BPMV Bracket Bolts	27 N·m	20 lb ft
EBCM/BPMV Insulator Nuts	12 N·m	106 lb in
EBCM/ BPMV Insulator Bolt	14 N·m	10 lb ft
EBCM to BPMV Bolts in Order 1st pass	3 Nm	27 lbin
2nd pass	6 Nm	53 lbin
Lateral Accelerometer Nuts	3 N·m	24 lb in
Steering Gear Nut	100 N·m	74 lb ft
Yaw Rate Sensor Nuts	7 N·m	62 lb in
Brake Caliper Bleed Screw	12 N·m	106 lb in
Brake Caliper Guide Pin Bolt (JL9, J55)	31 N·m	23 lb ft
Brake Caliper Inlet Fitting Bolt	45 N·m	33 lb ft
Disc Brake Pad Pin (J56)	40 N·m	30 lb ft
Front Brake Caliper Bolt (J56)	175 N·m	129 lb ft
Front Brake Caliper Bracket Bolt (JL9, J55)	175 N·m	129 lb ft
Rear Brake Caliper Bolt (J56)	175 N·m	129 lb ft
Rear Brake Caliper Bracket Bolt (JL9, J55)	175 N·m	129 lb ft
Brake Booster Mounting Nuts	27 N·m	20 lb ft
Brake Caliper Inlet Fitting Bolt	45 N·m	33 lb ft
Brake Pedal Pivot Nut	29 N·m	21 lb ft
Brake Pipe to Flexible Brake Hose Tube Nut	18 N·m	13 lb ft
Brake Pipe to Master Cylinder Tube Nut	24 N·m	18 lb ft
Master Cylinder Mounting Nuts	29 N·m	21 lb ft
Teles Column Motor Mounting Bracket Screw	7 N·m	62 lb in
Washer Solvent Container Retaining Nuts	7.5 N·m	66 lb in

ENGINE

Camshaft Position (CMP) Sensor Bolt	12 N·m	106 lb in
Camshaft Retainer Bolts - Hex Head Bolts	25 N·m	18 lb ft
Camshaft Retainer Bolts - TORX® Head Bolts	15 N·m	11 lb ft
Camshaft Sprocket Bolts	25 N·m	18 lb ft
Clutch Pressure Plate Bolts	70 N·m	52 lb ft
Connecting Rod Bolts - 1st Pass	20 N·m	15 lb ft
Connecting Rod Bolts - Fin Pass	110 deg	
Coolant Air Bleed Pipe and Cover Bolts	12 N·m	106 lb in
Coolant Temperature Sensor	20 N·m	15 lb ft
Crank blncr Bolt - Installation Pass with old bolt	330 N·m	240 lb ft
Crank blncr Bolt - 1st Pass - Install a NEW Bolt	50 N·m	37 lb ft
Crank blncr Bolt - Fin Pass	140 deg	
Crank Bearing Cap M8 Bolts	25 N·m	18 lb ft
Crank Bearing Cap M10 Bolts - 1st Pass in Order	20 N·m	15 lb ft
Crank Bearing Cap M10 Bolts - Fin Pass in Order	80 deg	
Crank Bearing Cap M10 Studs - 1st Pass in Order	20 N·m	15 lb ft
Crank Bearing Cap M10 Studs - Fin Pass in Order	51 deg	
Crank Oil Deflector Nuts	25 N·m	18 lb ft
Crank Position (CKP) Sensor Bolt	25 N·m	18 lb ft
Crank Rear Oil Seal Housing Bolts	30 N·m	22 lb ft
Cylinder Head Coolant Plug	20 N·m	15 lb ft
Cylinder Head M8 Bolts - in Order	30 N·m	22 lb ft
Cylinder Head M11 Bolts - 1st Pass in Order	30 N·m	22 lb ft
Cylinder Head M11 Bolts - Second Pass in Order	90 deg	
Cylinder Head M11 Bolts - Fin Pass in Order	70 deg	
Eng Block Coolant Drain Hole Plug	60 N·m	44 lb ft
Eng Block Coolant Heater	50 N·m	37 lb ft
Eng Block Oil Gallery Plugs	60 N·m	44 lb ft
Eng Mount Bracket Bolts	50 N·m	37 lb ft
Eng Oil Tank Baffle Bolts	10 N·m	89 lb in
Eng Oil Tank Bolts	25 N·m	18 lb ft
EVAP Emiss Can Purge Sol Valve Bracket Bolt	50 N·m	37 lb ft
Exhaust Manifold Bolts - 1st Pass	15 N·m	11 lb ft
Exhaust Manifold Bolts - Fin Pass	20 N·m	15 lb ft
Exhaust Manifold Heat Shield Bolts	9 N·m	80 lb in
Exhaust Manifold Studs	20 N·m	15 lb ft
Flywh Bolts - 1st Pass	30 N·m	22 lb ft
Flywh Bolts - Fin Pass	40 deg	
Front Cover Bolts	25 N·m	18 lb ft
Fuel Injection Fuel Rail Bolts	10 N·m	89 lb in
Ignition Coil Bracket-to-Valve Cover Studs	12 N·m	106 lb in
Ignition Coil-to-Bracket Bolts	10 N·m	89 lb in
Intake Manifold Bolts - 1st Pass in Order	5 N·m	44 lb in
Intake Manifold Bolts - Fin Pass in Order	10 N·m	89 lb in
J 41798 M8 Bolt	25 N·m	18 lb ft
J 41798 M10 Bolts	50 N·m	37 lb ft
Knock Sensor Bolts	25 N·m	18 lb ft
Oil Filter	30 N·m	22 lb ft
Oil Filter Fitting	55 N·m	40 lb ft
Oil Pan Closeout Cover Bolt - Left Side	9 N·m	80 lb in
Oil Pan Closeout Cover Bolt - Right Side	9 N·m	80 lb in
Oil Pan Drain Plugs	25 N·m	18 lb ft
Oil Pan M6 Bolts Oil Pan-to-Rear Oil Seal Hous	12 N·m	106 lb in
Oil Pan M8 Bolts -to pan & front cover	25 N·m	18 lb ft
Oil Pressure Sensor	35 N·m	26 lb ft
Oil Pump Cover Bolts	12 N·m	106 lb in
Oil Pump Relief Valve Plug	12 N·m	106 lb in
Oil Pump Suction Pipe Bolts	12 N·m	106 lb in
Oil Pump-to-Eng Block Bolts	25 N·m	18 lb ft
Spark Plugs	15 N·m	11 lb ft
Throttle Body Bolts	10 N·m	89 lb in
Timing Chain Dampener Bolts	25 N·m	18 lb ft
Valley Cover Bolts	25 N·m	18 lb ft
Valve Lifter Guide Bolts	12 N·m	106 lb in
Valve Rocker Arm Bolts	30 N·m	22 lb ft
Valve Rocker Arm Cover Bolts	12 N·m	106 lb in
Water Inlet Housing Bolts	15 N·m	11 lb ft
Water Pump Bolts - 1st Pass	15 N·m	11 lb ft
Water Pump Bolts - Fin Pass	30 N·m	22 lb ft

SUSPENSION-REAR

Lower Control Arm Ball Joint Stud Nut		
1st Pass	30 N·m	22 lb ft
Fin Pass	180 deg	
Lower Control Arm Cam Bolt Nut - Front	145 N·m	107 lb ft
Lower Control Arm Cam Bolt Nut - Rear	95 N·m	70 lb ft
Outer Tie Rod End Stud Nut		
1st Pass	20 N·m	15 lb ft
Second Pass	160 deg	
Fin Pass	60 N·m	45 lb ft
Rear Crossmember Mounting Nuts	110 N·m	81 lb ft
Rear Susp Adjust Link to Xmember Nut	60 N·m	44 lb ft
Rear Tie Rod Jam Nut	65 N·m	48 lb ft
Shock Absorber Lower Mounting Nut	145 N·m	107 lb ft
Shock Absorber Upper Mounting Bolts	30 N·m	22 lb ft
Stabilizer Shaft Insulator Clamp Bolt	100 N·m	74 lb ft
Stabilizer Shaft Insulator Clamp Nut	95 N·m	70 lb ft
Stabilizer Shaft Link Nuts	72 N·m	53 lb ft
Transverse Spring Mounting Bracket Bolts	62 N·m	46 lb ft
Upper Control Arm Ball Joint Stud Nut		
1st Pass	20 N·m	15 lb ft
Fin Pass	195 deg	
Upper Control Arm Mounting Bolts	65 N·m	48 lb ft
Wheel Hub Mounting Bolts	130 N·m	96 lb ft

SUSPENSION-FRONT

Crossmember Mounting Nuts (Use New Nuts)	110 N·m	81 lb ft
Lower Control Arm Ball Joint Stud Nut		
1st Pass	30 N·m	20 lb ft
Fin Pass	180 deg	
Lower Contr Arm cam-use new nut 11516382	170 N·m	125 lb ft
Power Steering Gear Mounting Bolts	100 N·m	74 lb ft
Shock Absorber Lower Mounting Nuts	28 N·m	21 lb ft

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Shock Absorber Upper Mounting Nut	26 N·m	19 lb ft
Stabilizer Shaft Insulator Clamp Bolts	58 N·m	43 lb ft
Stabilizer Shaft Link Nuts	76 N·m	56 lb ft
Transverse Spring Retainer Bolts (Use New Bolts)	62 N·m	46 lb ft
Upper Control Arm Ball Joint Stud Nut		
1st Pass	30 N·m	22 lb ft
Fin Pass	225 deg	
Upper Control Arm Mounting Bolts	65 N·m	48 lb ft
Wheel Hub/Bearing Mounting Bolts	130 N·m	96 lb ft
STEERING		
Adjuster Plug Lock Nut	68 N·m	50 lb ft
Crossmember Mounting Nuts	110 N·m	81 lb ft
Cylinder Line End Fittings	27 N·m	20 lb ft
Cylinder Line Valve End Fittings	17 N·m	13 lb in
Inner Tie Rod	100 N·m	74 lb ft
Intermediate Shaft to Steering Gear Pinch Bolt	27 N·m	20 lb ft
Outer Tie Rod End Stud Nut to Knuckle		
1st Pass	20 N·m	15 lb ft
Second Pass	160 deg	
Fin Pass	45 N·m	33 lb ft
Power Steering Gear Mounting Bolt Nuts to Xmember	100 N·m	74 lb ft
Power Steering Hose Fittings	27 N·m	20 lb ft
Power Steering Pump Mounting Bolts	25 N·m	18 lb ft
Power Steering Reservoir Bracket Bolts to Eng	50 N·m	37 lb ft
Power Steering Return Hose Mounting Bolts	11 N·m	97 lb in
Actuator Retaining Screws	9 N·m	80 lb in
ColumnBracket Bolts Lower (Tighten in Order)	24 N·m	18 lb ft
ColumnBracket Bolts Upper (Tighten in Order)	24 N·m	18 lb ft
Intermediate Shaft to the Steering Column Pinch Bolt	48 N·m	35 lb ft
Intermed Shaft to the Steering Gear Pinch Bolt	27 N·m	20 lb ft
Intermed Shaft-Steer Gear Pinch Bolt Shield Screw	3.5 N·m	31 lb in
Steering Column Support Screws	18 N·m	13 lb ft
Steering Wheel Nut	41 N·m	30 lb ft
Telescope Drive Screw	7 N·m	62 lb in
Telescope Drive Bracket Screw	7 N·m	62 lb in
Turn Signal Multifunction Sw Screws ECL Columns	7 N·m	62 lb in
Turn Signal Multi Sw Screws Non ECL Columns	1 N·m	9 lb in
DRIVETRAIN		
Bearing Housing Assembly-to-Coupling Bolts	90 N·m	66 lb ft
Clutch Actuator Cylinder Mounting Bolts	12 N·m	106 lb in
Coupling-to-Propeller Shaft Bolts - Manual Trans	90 N·m	66 lb ft
Driveline Tunnel Closeout Panel Bolts	10 N·m	89 lb in
EBTCM LH Mounting Bracket Mounting Bolts	50 N·m	37 lb ft
Input Shaft Bearing Positioning Bolts	35 N·m	26 lb ft
Input Shaft-to-Coupling Bolts - Manual Trans	90 N·m	66 lb ft
Negative Battery Cable Bolt	15 N·m	11 lb ft
Propeller Shaft Balance Specification @ 3,500 RPM	6.0 G-CM	--
Propeller Shaft Hub Clamp Bolt - Automatic Trans	125 N·m	93 lb ft
Rear Exhaust Hanger Mounting Bolts	50 N·m	37 lb ft
Rear Suspension Crossmember Mounting Nuts	110 N·m	81 lb ft
Shift Control Closeout Boot Retaining Nuts	12 N·m	106 lb in
Shift Control Mounting Bolts	30 N·m	22 lb ft
Transaxle Mount Bracket-to-Differential Bolts	50 N·m	37 lb ft
Transaxle Mount-to-Rear Suspension Xmember Nuts	50 N·m	37 lb ft
TransCool Rear Pipe Front Fittings-Junct Fittings-Flywh	27 N·m	20 lb ft
TransCooler Rear Pipe Rear Fittings-to-Trans Fittings	40 N·m	30 lb ft
Trans Oil Cooler Rear Pipe Retaining Clamp Bolts	12 N·m	106 lb in
Trans Shift Control Cable Bracket Retaining Nuts	20 N·m	15 lb ft
Trans Shift Rod Clamp Bolt	30 N·m	22 lb ft
Trans-to-Driveline Support Assembly Bolts/Studs	50 N·m	37 lb ft
Trans Wiring Harness-to-LH Trans Case Retaining Bolt	2.5 N·m	22 lb in
Carrier Assembly - Differential-to-Trans Bolts and Nuts	50 N·m	37 lb ft
Cooler Bolts - Some Models	10 N·m	89 lb in
Differential Case Bolts	55 N·m	41 lb ft
Differential Cooler Lower Adapter Nut	25 N·m	19 lb ft
Differential Cooler Fitting 1/2 Inch	28 N·m	21 lb ft
Differential Cooler Fitting 3/8 Inch	18 N·m	13 lb ft
Differential Cooler Mounting Bolts	10 N·m	89 lb in
Differential Cooler Pump Inlet Hose Retaining Bolt	10 N·m	89 lb in
Drain Plug	35 N·m	26 lb ft
Driveline Support Assembly-to-Eng Flywh Housing Bolts	50 N·m	37 lb ft
EBTCM LH Mounting Bracket Bolts	50 N·m	37 lb ft
Fill Plug	35 N·m	26 lb ft
Left Side Cover Bolts	30 N·m	22 lb ft
Negative Battery Cable Bolt	15 N·m	11 lb ft
Pinion Housing/Cage Bolts	30 N·m	22 lb ft
Pinion Nut	500 N·m	370 lb ft
Propeller Input Shaft Bearing Positioning Bolts	35 N·m	26 lb ft
Propeller Shaft Hub Clamp Bolt	130 N·m	96 lb ft
Quick Connect - Left Cover - Some Models	18 N·m	13 lb ft
Rear Cover Bolts - Pump Bolts - Some Models	10 N·m	89 lb in
Rear Suspension Crossmember Mounting Nuts	110 N·m	81 lb ft
Right Side Cover Bolts	30 N·m	22 lb ft
Ring Gear Bolts - 1st Design - No Serrations	145 N·m	107 lb ft
Ring Gear Bolts - 2nd Design - Serrations	195 N·m	144 lb ft
Shift Control Closeout Boot Retaining Nuts	12 N·m	106 lb in
Shift Control Mounting Bolts	30 N·m	22 lb ft
Transaxle Mount Bracket-to-Differential Bolts	50 N·m	37 lb ft
Transaxle Mount-to-Bracket Nuts	59 N·m	43 lb ft
Transaxle Mount-to-Rear Susp Crossmember Nuts	50 N·m	37 lb ft
Trans Cooler Rear Pipe Fitting-to-Junct Fittings at Flywh	27 N·m	20 lb ft
Trans Shift Rod Clamp Bolt	30 N·m	22 lb ft
Trans Stud Mount Bolts	10 N·m	89 lb in
Trans Stud-to-Mount	42 N·m	31 lb ft
Trans Wiring Harness-to-LH Trans Case Retaining Bolt	2.5 N·m	22 lb in
Vehicle Speed Sensor Bolt	10 N·m	89 lb in
Rear Drive Shaft Spindle Nut	160 N·m	118 lb ft
TRANSMISSION		
Adapter Plate Plug	27 N·m	20 lb ft
Adapter Plate to Trans Case Bolts	48 N·m	36 lb ft
Backup Lamp Switch	27 N·m	20 lb ft
Computer Aided Gear Select Sol	40 N·m	30 lb ft
Cover Plate Bolts	20 N·m	15 lb ft
Extension Housing Plug	27 N·m	20 lb ft
Extension Housing to Trans Case Bolts	48 N·m	36 lb ft
Neutral Return Cam Spring Retaining Bolt	25 N·m	18 lb ft
Reverse Idler Shaft Bracket Bolts	25 N·m	18 lb ft
Reverse Lockout Assembly Bolt	18 N·m	13 lb ft
Reverse Lockout Sol	40 N·m	30 lb ft
Shift Detent Assembly	40 N·m	30 lb ft
Shift Guide Plate Bolts	22 N·m	16 lb ft
Shift Lever Guide Bolts	27 N·m	20 lb ft
Temperature Switch (MZ6/MM6 Z06)	41 N·m	30 lb ft
Trans Case Drain Plug	18 N·m	13 lb ft
Trans Case Fill Plug	18 N·m	13 lb ft
Trans Pump to Front Adapter Bolt	18 N·m	13 lb ft

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