

STEERING

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| Adjuster Plug Lock Nut | 68 N-m | 50 lb ft |
| xmember Mounting Nuts | 110 N-m | 81 lb ft |
| Cyl Line End fittings | 27 N-m | 20 lb ft |
| Cyl Line Vlv End fittings | 17 N-m | 13 lb in |
| Inner Tie Rod | 100 N-m | 74 lb ft |
| Outer Tie Rod End Stud Nut to Knuckle | | |
| First Pass | 20 N-m | 15 lb ft |
| Second Pass | 160 degrees | |
| Final Pass | 45 N-m | 33 lb ft |
| Pwr Steering Gear Mounting Bolt Nuts to xmember | 100 N-m | 74 lb ft |
| Pwr Steering Hose fittings | 27 N-m | 20 lb ft |
| Pwr Steering Pump Mounting Bolts | 25 N-m | 18 lb ft |
| Pwr Steering Reservoir Bracket Bolts to Eng | 50 N-m | 37 lb ft |
| Pwr Steering Return Hose Mounting Bolts | 11 N-m | 97 lb in |

FRONT SUSP

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| xmember Mounting Nuts (Use New Nuts) | 110 N-m | 81 lb ft |
| Lower Control Arm Ball Joint Stud Nut | | |
| First Pass | 30 N-m | 20 lb ft |
| Final Pass | 180 degrees | |
| Pwr Steering Gear Mounting Bolts | 100 N-m | 74 lb ft |
| Shock Absorber Lower Mounting Nuts | 28 N-m | 21 lb ft |
| 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 | 72 N-m | 53 lb ft |
| Transverse Spring Retainer Bolts (Use New Bolts) | 62 N-m | 46 lb ft |
| Upper Control Arm Ball Joint Stud Nut | | |
| First Pass | 30 N-m | 22 lb ft |
| Final Pass | 225 degrees | |
| Upper Control Arm Mounting Bolts | 65 N-m | 48 lb ft |
| Wheel Hub/Bearing Mounting Bolts | 130 N-m | 96 lb ft |

REAR SUSP

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| Lower Control Arm Ball Joint Stud Nut | | |
| First Pass | 30 N-m | 22 lb ft |
| Final Pass | 180 degrees | |
| 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 | | |
| First Pass | 20 N-m | 15 lb ft |
| Second Pass | 160 degrees | |
| Final Pass | 60 N-m | 45 lb ft |
| Rear xmember Mounting Nuts | 110 N-m | 81 lb ft |
| Rear Suspension Adjustment Link to xmember Nut | 60 N-m | 44 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 | 65 N-m | 49 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 | | |
| First Pass | 30 N-m | 22 lb ft |
| Final Pass | 195 degrees | |

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| Upper Control Arm Mounting Bolt | 110 N-m | 81 lb ft |
| Wheel Hub Mounting Bolts | 130 N-m | 96 lb ft |

PROP SHAFT

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| Bearing hsnng Asmbly-to-Coupling Bolts - Automatic Trans | 70 N-m | 52 lb ft |
| Bearing hsnng Asmbly-to-Coupling Bolts - Manual Trans | 90 N-m | 66 lb ft |
| Clutch Actuator Cyl Mounting Bolts - Manual Trans | 12 N-m | 106 lb in |
| Coupling-to-Propeller Shaft Bolts - Automatic Trans | 70 N-m | 52 lb ft |
| 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 |
| Flexplate Spindle Nut - Automatic Trans | 90 N-m | 66 lb ft |
| Flexplate-to-Flexplate Spindle Bolts - Automatic Trans | 50 N-m | 37 lb ft |
| Input Shaft Bearing posing Bolts | 35 N-m | 26 lb ft |
| Input Shaft-to-Coupling Bolts - Automatic Trans | 70 N-m | 52 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 Hub Clamp Bolt - Automatic Trans | 125 N-m | 93 lb ft |
| Rear Exh Hanger Mounting Bolts | 50 N-m | 37 lb ft |
| Rear Suspension xmember Mounting Nuts | 110 N-m | 81 lb ft |
| Shift Control Closeout Boot Reg Nuts - Manual Trans | 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 |
| Trans Cooler Rear Front fittings-to-Jnctn at Eng flywh hsnng | 27 N-m | 20 lb ft |
| Trans Cooler Rear Pipe Rear fittings-to-Trans fittings | 40 N-m | 30 lb ft |
| Trans Cooler Rear Pipe Reg Clamp Bolts | 12 N-m | 106 lb in |
| Trans Shift Control Cable Bracket Reg Nuts | 20 N-m | 15 lb ft |
| Trans Shift Rod Clamp Bolt | 30 N-m | 22 lb ft |
| Trans-to-Driveline sprt Asmbly Bolts/Studs | 50 N-m | 37 lb ft |
| Trans Wiring Harness-to-LH Trans Case Reg Bolt | 2.5 N-m | 22 lb in |
| Half Shaft Spindle Nut | 160 N-m | 118 lb ft |

DIFF

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| Carrier Asmbly - 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 Adaptor Nut | 18 N-m | 13 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 Reg Bolt | 10 N-m | 89 lb in |
| Differential Reinforcement Bolt | 30 N-m | 22 lb ft |
| Drain Plug - Quick Connect - Some Models | 35 N-m | 26 lb ft |
| Driveline sprt Asmbly-to-Eng flywh hsnng 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 Cvr Bolts | 30 N-m | 22 lb ft |
| Negative Battery Cable Bolt | 15 N-m | 11 lb ft |
| Pinion hsnng/Cage Bolts | 30 N-m | 22 lb ft |
| Pinion Nut | 500 N-m | 370 lb ft |
| Propeller Input Shaft Bearing posing Bolts | 35 N-m | 26 lb ft |
| Propeller Shaft Hub Clamp Bolt | 130 N-m | 96 lb ft |
| Quick Connect - Left Cvr - Some Models | 18 N-m | 13 lb ft |
| Rear Cvr Bolts - Pump Bolts - Some Models | 10 N-m | 89 lb in |
| Rear Suspension xmember Mounting Nuts | 110 N-m | 81 lb ft |
| Right Side Cvr Bolts | 30 N-m | 22 lb ft |
| Ring Gear Bolts | 195 N-m | 144 lb ft |
| Shift Control Closeout Boot Reg 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 Suspension xmember Nuts | 50 N-m | 37 lb ft |
| Trans Cooler Rear Fitting-to-Jnctn fittings at Eng flywh hsnng | 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 Reg Bolt | 2.5 N-m | 22 lb in |

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| Vehicle Speed Sensor Bolt | 10 N-m | 89 lb in |
| 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 | 45 N-m | 33 lb ft |
| Front Brake Caliper Mounting Bracket Bolt | 175 N-m | 125 lb ft |
| Rear Brake Caliper Mounting Bracket Bolt | 175 N-m | 125 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 Cyl Tube Nut | 24 N-m | 18 lb ft |
| Master Cyl Mounting Nuts | 29 N-m | 21 lb ft |
| Tele Column Motor Mounting Bracket Screw | 7 N-m | 62 lb in |
| Washer Solvent Container Reg Nuts | 7.5 N-m | 66 lb in |
| Actuator Mounting Bolts | 70 N-m | 52 lb ft |
| Park Brake Lever Asmbly Mounting Bolts | 28 N-m | 21 lb ft |
| Park Brake Lever Boot Nuts | 10 N-m | 89 lb in |
| BPMV Brake Pipe fitngs | 16 N-m | 12 lb ft |
| Brake Fluid pres 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 Sequence | First Pass 3 N-m Second Pass 6 N-m | First Pass 27 lb in Second Pass 53 lb in |
| 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 |
| ENGINE | | |
| Cam pos (CMP) Sensor Bolt | 12 N-m | 106 lb in |
| CMP Sensor Wire Harness Bolt | 12 N-m | 106 lb in |
| Cam Retainer Bolts - Hex Head Bolts | 25 N-m | 18 lb ft |
| Cam Retainer Bolts - TORX® Head Bolts | 15 N-m | 11 lb ft |
| Cam Sprocket Bolts | 25 N-m | 18 lb ft |
| Clutch pres Plate Bolts | 70 N-m | 52 lb ft |
| Conn Rod Bolts - First Pass | 20 N-m | 15 lb ft |
| Conn Rod Bolts - Final Pass | 75 degrees | |
| Coolant Air Bleed Pipe and Cvr Bolts | 12 N-m | 106 lb in |
| Coolant Temperature Sensor | 20 N-m | 15 lb ft |
| Crank Bal Bolt - Instal Pass-OLD bolt | 330 N-m | 240 lb ft |
| Crank Bal Bolt - First Pass -NEW Bolt for first&final pass | 50 N-m | 37 lb ft |
| Crank Bal Bolt - Final Pass | 140 degrees | |
| Crank Bearing Cap M10 Bolts - First Pass in Sequence | 20 N-m | 15 lb ft |
| Crank Bearing Cap M10 Bolts - Final Pass in Sequence | 80 degrees | |
| Crank Bearing Cap M10 Studs - First Pass in Sequence | 20 N-m | 15 lb ft |
| Crank Bearing Cap M10 Studs - Final Pass in Sequence | 51 degrees | |
| Crank Bearing Cap M8 Bolts | 25 N-m | 18 lb ft |
| Crank Oil Deflector Nuts | 25 N-m | 18 lb ft |
| Crank pos (CKP) Sensor Bolt | 25 N-m | 18 lb ft |
| Crank Rear Oil Seal hsg Bolts | 25 N-m | 18 lb ft |
| Cyl Head M11 Bolts - First Pass in Sequence | 30 N-m | 22 lb ft |
| Cyl Head M11 Bolts - Second Pass in Sequence | 90 degrees | |
| Cyl Head M11 Bolts - Final Pass in Sequence | 70 degrees | |
| Cyl Head M8 Bolts - in Sequence | 30 N-m | 22 lb ft |
| Cyl Head Coolant Plug | 20 N-m | 15 lb ft |
| Eng Block Coolant Drain Hole Plug | 60 N-m | 44 lb ft |
| Eng Block Coolant Heater | 40 N-m | 30 lb ft |
| Eng Block Oil Gallery Plug | 60 N-m | 44 lb ft |
| Evap Emis (EVAP) Canister Purge Solenoid Vlv Bolt | 50 N-m | 37 lb ft |
| Exh Manifold Bolts - First Pass | 15 N-m | 11 lb ft |
| Exh Manifold Bolts - Final Pass | 20 N-m | 15 lb ft |
| Exh Manifold Heat Shield Bolts | 9 N-m | 80 lb in |
| Exh Manifold Studs | 20 N-m | 15 lb ft |
| flywh Bolts - First Pass | 20 N-m | 15 lb ft |
| flywh Bolts - Second Pass | 50 N-m | 37 lb ft |

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| flywh Bolts - Final Pass | 100 N-m | 74 lb ft |
| Front Cvr Bolts | 25 N-m | 18 lb ft |
| Fuel Injection Fuel Rail Bolts | 10 N-m | 89 lb in |
| Ign Coil Bracket-to-Vlv Rocker Arm Cvr Stud | 12 N-m | 106 lb in |
| Ign Coil-to-Bracket Bolts | 10 N-m | 89 lb in |
| Intake Manifold Bolts - First Pass in Sequence | 5 N-m | 44 lb in |
| Intake Manifold Bolts - Final Pass in Sequence | 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 | 20 N-m | 15 lb ft |
| Motor Mount Bracket Bolts | 50 N-m | 37 lb ft |
| Oil Cooler Bolts | 12 N-m | 106 lb in |
| Oil Filter | 30 N-m | 22 lb ft |
| Oil Filter Fitting | 55 N-m | 40 lb ft |
| Oil Level Indicator Tube Bolt | 25 N-m | 18 lb ft |
| Oil Level Sensor | 20 N-m | 15 lb ft |
| Oil Pan Closeout Cvr Bolt - Left Side | 9 N-m | 80 lb in |
| Oil Pan Closeout Cvr Bolt - Right Side | 9 N-m | 80 lb in |
| Oil Pan Cvr Bolts | 12 N-m | 106 lb in |
| Oil Pan Drain Plug | 25 N-m | 18 lb ft |
| Oil Pan M6 Bolts - pan-rear seal | 12 N-m | 106 lb in |
| Oil Pan M8 Bolts - pan-block & pan-cover | 25 N-m | 18 lb ft |
| Oil pres Sensor | 35 N-m | 26 lb ft |
| Oil Pump Cvr Bolts | 12 N-m | 106 lb in |
| Oil Pump Relief Vlv Plug | 12 N-m | 106 lb in |
| Oil Pump Screen Nuts | 25 N-m | 18 lb ft |
| Oil Pump Screen-to-Oil Pump Bolt | 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 Cvr Bolts | 25 N-m | 18 lb ft |
| Vlv Lifter Guide Bolts | 10 N-m | 89 lb in |
| Vlv Rocker Arm Bolts | 30 N-m | 22 lb ft |
| Vlv Rocker Arm Cvr Bolts | 12 N-m | 106 lb in |
| Water Inlet hsg Bolts | 15 N-m | 11 lb ft |
| Water Pump Bolts - First Pass | 15 N-m | 11 lb ft |
| Water Pump Bolts - Final Pass | 30 N-m | 22 lb ft |

MANUAL TRANS

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| Backup Lamp Switch | 20 N-m | 15 lb ft |
| Differential to Trans Bolts and Nuts | 50 N-m | 37 lb ft |
| Differential to Trans Lower Nut | 50 N-m | 37 lb ft |
| Driveline sprt Asmbly to Eng flywh hsg Bolts | 50 N-m | 37 lb ft |
| EBTCM LH Mounting Bracket Mounting Bolts | 50 N-m | 37 lb ft |
| Gear Select/Skip Shift Solenoid | 40 N-m | 30 lb ft |
| Intermediate Exh Pipe to Muffler Bolts | 50 N-m | 37 lb ft |
| Negative Battery Cable Bolt | 15 N-m | 11 lb ft |
| Rear Shock Absorber Lower Mounting Bolt | 220 N-m | 162 lb ft |
| Rear Suspension xmember Mounting Nuts | 110 N-m | 81 lb ft |
| Reverse Lockout Solenoid | 40 N-m | 30 lb ft |
| Shift Control Closeout Boot Reg 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 |
| Trans to Driveline sprt Asmbly Bolts/Studs | 50 N-m | 37 lb ft |
| Trans Fluid Drain Plug | 27 N-m | 20 lb ft |
| Trans Fluid Fill Plug | 27 N-m | 20 lb ft |
| Trans Fluid Temperature Sensor | 27 N-m | 20 lb ft |
| Trans Shift Rod Clamp Bolt | 30 N-m | 22 lb ft |
| Trans Vent Tube Reg Bolt | 20 N-m | 15 lb ft |