

STEERING

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		
1st Pass	20 N-m	15 lb ft
2nd 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

xmember 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
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		
1st 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

Lower Control Arm Ball Joint Stud Nut		
1st 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		
1st Pass	20 N-m	15 lb ft
2nd 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		
1st Pass	30 N-m	22 lb ft
Final Pass	195 degrees	

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

PROP SHAFT

Bearing hsng Asmby-to-Coupling Bolts - Automatic Trans	70 N-m	52 lb ft
Bearing hsng Asmby-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 hsng	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 Asmby 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

Carrier Asmby - 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 Asmby-to-Eng flywh hsng 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 hsng/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 hsng	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

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	1st Pass 3 N-m 2nd Pass 6 N-m	1st Pass 27 lb in 2nd 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 - 1st 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 - 1st Pass -NEW Bolt for 1st&final pass	50 N-m	37 lb ft
Crank Bal Bolt - Final Pass	140 degrees	
Crank Bearing Cap M10 Bolts - 1st 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 - 1st 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 - 1st Pass in Sequence	30 N-m	22 lb ft
Cyl Head M11 Bolts - 2nd 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 - 1st 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 - 1st Pass	20 N-m	15 lb ft
flywh Bolts - 2nd Pass	50 N-m	37 lb ft

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 - 1st 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 - 1st Pass	15 N-m	11 lb ft
Water Pump Bolts - Final Pass	30 N-m	22 lb ft

AUTO TRANS		
Accumulator Cvr to Case Bolt	8.0-14.0 N-m	6-10 lb ft
Case Extension to Case Bolt	42.0-48.0 N-m	31-35 lb ft
Case Extension to Case Bolt (4WD Shipping)	11.2-22.6 N-m	8.3-16.7 lb ft
Converter Cvr Bolt	10 N-m	89 lb in
Converter hsg to Case Screw	65.0-75.0 N-m	48-55 lb ft
Cooler Pipe Connector	35.0-41.0 N-m	26-30 lb ft
Detent Spring to Vlv Body Bolt	20.0-27.0 N-m	15-20 lb ft
Differential to Trans Bolts and Nuts	50 N-m	37 lb ft
Driveline sprt Asmbly to Eng flywh hsg Bolts	50 N-m	37 lb ft
Driveline sprt Asmbly Front Plug Bolts	50 N-m	37 lb ft
Floorshift Control Bolt	10 N-m	89 lb in
flywh to Torque Converter Bolt	63 N-m	46 lb ft
Forward Accumulator Cvr to Vlv Body Bolt	8.0-14.0 N-m	6-10 lb ft
Heat Shield to Trans Bolt	17 N-m	13 lb ft
Line pres Plug	8.0-14.0 N-m	6-10 lb ft
Manual Shaft to Inside Detent Lever Nut	27.0-34.0 N-m	20-25 lb ft
Negative Battery Cable Bolt	15 N-m	11 lb ft
Oil Level Indicator Bolt	47 N-m	35 lb ft
Oil Pan to Trans Case Bolt	11 N-m	97 lb in
Oil Passage Cvr to Case Bolt	8-14.0 N-m	6-10 lb ft
Park Brake Bracket to Case Bolt	27.0-34.0 N-m	20-25 lb ft
Park/Neutral pos Switch Mounting Bolts	27 N-m	20 lb ft
Park/Neutral pos Switch Screw	3 N-m	27 lb in
Plate to Case Bolt (Shipping)	27.0-34.0 N-m	20-25 lb ft
Plate to Converter Bolt (Shipping)	27.0-34.0 N-m	20-25 lb ft
Plug Asmbly, Automatic Trans Oil Pan (C/K-truck)	30-40 N-m	22.1-29.5 lb ft
Plug Asmbly, Automatic Trans Oil Pan (Y-car)	28-32 N-m	20.7-23.6 lb ft
pres Control Solenoid Bracket to Vlv Body Bolt	8.0-14.0 N-m	6-10 lb ft

Propeller Input Shaft Front Bearing posing Bolts	35 N-m	26 lb ft
Propeller Shaft Hub Clamp Bolt	130 N-m	96 lb ft
Pump Asmbly to Case Bolt	26.0-32.0 N-m	19-24 lb ft
Pump Cvr to Pump Body Bolt	20.0-27.0 N-m	15-20 lb ft
Rear Shock Absorber Lower Mounting Bolt	220 N-m	162 lb ft
Shift Cable Grommet Screw	1.7 N-m	15 lb in
Shift Control Cable Attachment	20 N-m	15 lb ft
Spacer Plate sprt Reg Bolts	11 N-m	97 lb in
Speed Sensor Retainer Bolt	10.5-13.5 N-m	7.7-10 lb ft
Stud, Automatic Trans Case Extension (Y-car)	18.0-22.0 N-m	13-16 lb ft
TCC Solenoid Asmbly to Case Bolt	8.0-14.0 N-m	6-10 lb ft
Transaxle Mount Bracket to Differential Bolts	50 N-m	37 lb ft
Trans to Driveline sprt Asmbly Bolts/Studs	50 N-m	37 lb ft
Trans to Eng Bolt	47 N-m	35 lb ft
Trans Fluid Check/Fill Plug	30 N-m	22 lb ft
Trans Fluid pres Manual Vlv pos Switch to Vlv Body Bolt	8.0-14.0 N-m	6-10 lb ft
Trans Mount to Trans Bolt	50 N-m	37 lb ft
Trans Mount Reg Nut	40 N-m	30 lb ft
Trans Cooler Pipe Fitting	35.0-41.0 N-m	26-30 lb ft
Trans Cooler Rear Pipes to Jcnctn fitngs at Eng flywh hsng	27 N-m	20 lb ft
Trans Oil Pan to Case Bolt	9.5-13.8 N-m	7-10 lb ft
Trans Range Selector Lever Nut	20 N-m	15 lb ft
Trans Shift Cable Bracket Reg Nuts	20 N-m	15 lb ft
Trans Wiring Harness to LH Side of Trans Case Reg Bolt	2.5 N-m	22 lb in
Vlv Body to Case Bolt	8.0-14.0 N-m	6-10 lb ft