

BODY

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
A-Pillar Grab Handle Bolt	9	—	80	
B-Pillar Grab Handle Bolt	9	—	80	
Brace, Box Side Fasteners	8	—	71	
Cab Mounting A-Pillar to Body Bolt	108	80	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Cab Mounting B-Pillar to Body Bolt	132	97	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Cab Mounting C-Pillar to Body Bolt - TRX	132	97	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Cab Mounting C-Pillar to Body Bolt	100	74	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Cab Mounting C-Pillar to Body Bolt - TRX	69	51	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Cab Mounting C-Pillar to Body Nuts	63	46	—	
Cab Mounting Front Body Nut	70	52	—	
Cab Mounting Front Frame Bolt	108	80	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Cargo Box Hold Down Bolts	80	59	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Cargo Box Reinforcement Plate Bolts	9	—	80	
Rear Wiring to Body Ground	12	9	—	
Electrical Ground to Body	20	18	—	
Exterior Mirror Bolts	7	—	62	
Exterior Mirror Nuts	7	—	62	
Fender to Body Bolts	6	—	53	
Fender to Hood Hinge Bolts	7	—	62	
Fender to Hydroform Bolts	7	—	62	
Fender to Lower Dog Leg Bolts	8	—	71	
Floor Console Floor Bracket Screws	5	—	44	
Floor Console Floor Mounting Bracket Bolts	63	46	—	

Front End Module to Frame Bolt	108	80	—	
Front Door Carrier Plate Bolts	8	—	71	
Front Door Check Strap to Pillar Bolts	27	20	—	
Front Door Check Straps to Door Nuts	11	8	—	
Front Door Glass Fasteners	14	10	—	
Front Door Hinge to Door Nuts	25	18	—	
Front Door Hinge to Pillar Bolts	40	30	—	
Front Door Latch Bolts	7	—	62	
Front Door Striker Bolts	25	18	—	
Front Door Trim Bolts	8	—	71	
Front Seat Back Bolts	45	33	—	
Front Seat Bolts	48	35	—	Six lobe external drive bolts
Front Seat Bolts	70	52	—	Center Seat
Front Seat Bracket Bolts	70	52	—	Center Seat Bracket to Floor
Front Seat Lumbar Bolt	10	7	—	
Grille Bolts	5	—	44	
Hood Ball Stud	23	17	—	
Hood Gas Prop to Body Fasteners	25	18	—	
Hood Hinge to Front Aperture Extension Fasteners	20	15	—	
Hood Hinge to Hood Nuts	15	11	—	
Hood Latch Bolts	11	8	—	
Hood Striker Bolts	16	12	—	
Instrument Panel Center Mounting Bolts	12	9	—	
Instrument Panel Ground Eyelet to Crossmember	5	—	44	
Instrument Panel Fence Line Bolts	12	9	—	
Instrument Panel to Bulkhead Bolts	23	17	—	
Instrument Panel Side Mounting Bolts	24	18	—	
Instrument Panel to Transmission Tunnel	12	9	—	

Radiator Crossmember Bolts	5	—	44	
RamBox Bolts	7	—	62	
RamBox Lid Hinge Bolts	7	—	62	
Rear Door Carrier Plate Bolts	8	—	71	
Rear Door Check Strap to Pillar Bolts	27	20	—	
Rear Door Check Straps to Door Nuts	11	8	—	
Rear Door Glass Fasteners	14	10	—	
Rear Door Hinge to Door Nuts	25	18	—	
Rear Door Hinge to Pillar Bolts	40	30	—	
Rear Door Interior Door Handle Screws	8	—	71	
Rear Door Latch Bolts	7	—	62	
Rear Door Striker Bolts	25	18	—	
Rear Door Trim Bolts	8	—	71	
Rear Seat Armrest Bolts and Nuts	28	21	—	Non-Recliner Seat only
Rear Seat Armrest Pivot Bolts	28	21	—	
Rear Seat Back Pivot Bolts	55	41	—	
Rear Seat Bolts - Rear	55	41	—	
Rear Seat Bolts - Front (Six lobe external drive bolts)	48	35	—	
Rear Seat Cushion Frame Bolts	45	33	—	
Rear Seat Iso-Fix Bar Nuts	28	21	—	Recliner Seat only
Rear Seat Latch Bolts	8	—	71	
Rear Seat Striker Bolts	20	15	—	Recliner Seat only
Side Step Fasteners	18	13	—	
Storage Bin Lid Screw	5	—	44	
Storage Bin to Body Bolt	6	—	53	
Storage Bin Cargo Loop	8	—	71	
Sunroof Bolts	7	—	62	
Sunroof Glass Screws	4	—	35	
Tailgate Cable to Box Anchor Bolts	18	13	—	
Tailgate Cable to Tailgate Bolt	20	15	—	

Tailgate Cover Screws	9	—	80	
Tailgate Handle Nuts	7	—	62	
Tailgate Latch Bolts	18	13	—	
Tailgate Cover Bolts	7	—	62	
Tailgate Striker	49	36	—	
Tailgate Pivot Bracket to Box	25	18	—	
Tailgate Pivot Bracket to Gate	23	17	—	

FRAME

DESCRIPTION	N·m	Ft Lbs	In Lbs	COMMENT
Crossmember, Lower Control Arm Bolts/Nuts	90	66	—	
Crossmember, Lower Control Arm Bolts/Nuts — TRX	135	100	—	
Crossmember, Transmission Bolts/Nuts	97	72	—	
Front Bumper to Frame Nuts	90	66	—	
Front Bumper Bracket Bolts	25	18	—	
Front Tow Hook to Frame Bolts	170	125	—	
Fuel Tank Reinforcement Tube to Fuel Tank Crossmember Bolts	17	13	—	
Hitch to Frame Bolts/Nuts	140	103	—	
Hitch to Frame Front Bolts	140	103	—	
Hitch to Frame Lower Bolts	140	103	—	
Plate, Skid, Front Bolts	55	41	—	
Plate, Skid, Front Suspension Bolts	55	41	—	
Plate, Skid, Fuel Tank Bolts	20	15	—	
Plate, Skid, Fuel Tank Nuts	18	13	—	
Plate, Skid, Fuel Tank Nuts	20	15	—	
Plate, Skid, Transfer Case Bolts	55	41	—	
Rear Bumper to Hitch Bolts	33	24	—	
Rear Bumper to Hitch Nuts	38	28	—	
Rear Tow Hook Bolts	150	111	—	
Rear Wiring Harness Bracket to Frame	55	41	—	
Transmission Mount to Crossmember Nuts	25	18	—	

RESTRAINTS

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
B-Pillar Impact Sensor Bolt	8	—	71	
C-Pillar Impact Sensor Bolt	8	—	71	
Child Seat Tether to Body	20	15	—	
Door Impact Sensor	9	—	80	
Front Center Seat Belt Anchor Bolt	48	35	—	
Front Center Seat Belt Buckle Bolt	48	35	—	
Front Center Seat Belt Retractor Bolt	48	35	—	
Front Impact Sensor Nut	12	9	—	
Front Seat Belt Height Adjuster Bolt (Upper and Lower)	45	33	—	
Front Seat Belt Buckle Bolt	40	30	—	
Front Seat Belt Retractor and Anchor Tensioner Bolt	48	35	—	
Front Seat Belt Turning Loop Nut	48	35	—	
Passenger Airbag Bolt	6	—	53	
Rear Center and Left Outboard Seat Belt Buckle Bolt	55	41	—	
Rear Center Seat Belt Retractor/Anchor Bolt	55	41	—	
Rear Center Seat Belt Retractor/Right Outboard Buckle Assembly and Seat Bolt	48	35	—	
Rear Outboard Seat Belt Anchor Bolt	48	35	—	
Rear Outboard Seat Belt Retractor Bolt	45	33	—	
Rear Seat Belt Turning Loop Bolt	40	30	—	
Seat Airbag (SAB) Nut	6	—	53	
Side Curtain Airbag Screw	6	—	53	
Upper Child Seat Anchor Bolt	20	15	—	

STEERING COLUMN

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Intermediate Shaft to Steering Gear Pinch Bolt	55	41	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Intermediate Shaft Upper Pinch Bolt	50	37	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Intermediate Shaft Upper to Lower Pinch Bolt	50	37	—	
Intermediate Shaft Bearing to Bulkhead	8	—	71	
Steering Wheel Nut	61	45	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Steering Column Nuts	28	21	—	
Steering Column Tilt Pivot Bolts	21	15	—	

BRAKES

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Antilock Brake System (ABS) Module Bolts	6	—	53	
Front Wheel Speed Sensor Bolt	7	—	62	
Front Wheel Speed Sensor Routing Bracket Bolt	23	17	—	
Hydraulic Control Unit (HCU) Bracket Bolts	13	10	—	
Hydraulic Control Unit (HCU) Bracket Nuts	9	—	80	
Hydraulic Control Unit (HCU) Bolts	8	6	71	
Rear Wheel Speed Sensor Routing Bracket Bolt	23	17	—	
Rear Wheel Speed Sensor Bolt	12	9	—	

Brake Booster Nuts	22	16	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Brake Line Front Hose Flare Nut	18	13	—	
Brake Vacuum Pump Bracket	23	17	—	
Brake Vacuum Pump	7	—	62	
Brake Vacuum Line Fasteners	8	—	71	
Caliper Bleed Screws	19	14	—	

Electric Park Brake (EPB) Actuator Bolts	12	9	—	
Front Brake Rotor Bolt	10	7	—	
Front Brake Hose Banjo Bolt	35	26	—	
Front Brake Hose Bolt	12	9	—	
Front Caliper Adapter Bolts	80 + 55°	59 + 55°	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Front Caliper Bolts	75	55	—	
Front Junction Block Brake Line Flare Nut	22	16	—	
Front and Rear Brake Hose to Bracket Bolt	20	16	—	
Hydraulic Control Unit (HCU) Inlet Brake Line Flare Nuts	25	18	—	
Hydraulic Control Unit (HCU) Outlet Brake Line Flare Nuts	22	16	—	
Master Cylinder Brake Line Flare Nuts	23	17	—	
Master Cylinder Nuts	23	17	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Pedal Sled Nuts	22	16	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Rear Brake Hose Banjo Bolt	35	26	—	
Rear Brake Hose Junction Block	21	15	—	
Rear Brake Rotor Bolt	20	15	—	
Rear Brake Rotor Splash Shield Bolts	11	8	—	
Rear Caliper Bolts	35	25	—	
Rear Caliper Adapter Bolts	100	74	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Rear Junction Block Bolt	18	13	—	
Rear Junction Block Brake Line Flare Nut	21	15	—	

EXHAUST

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENTS
Catalytic Convertor to Exhaust Manifold Bolts	30	22	—	
Exhaust Clamp Nut	55	41	—	
Exhaust Y-Pipe to Catalytic Converter Bolts	50	37	—	
Exhaust Isolator to Frame Bolts	15	11	—	
Exhaust Muffler Isolator to Frame Nuts	16	12	—	
Exhaust Pipe Heat Shield Bolts	6	—	53	
Exhaust Heat Shield Bolts	8	—	71	
Front Heat Shield Nuts	5	—	44	

COOLING

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Auxiliary Low Temperature Cooler Bolt	9	—	80	
Charge Air Cooler Isolator Bar Screws	6	—	53	
Coolant Line Bracket to Engine	25	18	—	
Engine Block Heater Bolt	12	9	—	
Electric Cooling Fan to Radiator Bolts	11	8	—	
Pressurized Coolant Bottle Bolt (HP)	11	8	—	
Pressurized Coolant Bottle Bolts (LT)	11	8	—	
Radiator to Support Bolts	9	—	80	
Supercharger Coolant Crossover Manifold Bolts	10	—	89	
Supercharger Coolant Pump Nuts	25	18	—	
Supercharger Coolant Pump Bracket Bolts	12	9	—	
Supercharger Coolant Temperature Sensor	27	20	—	

HVAC

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
A/C Clutch to Compressor Shaft Bolt	14	10	-	
A/C Compressor to Engine Bolts		-	-	Refer to the procedure for special tightening instructions.
A/C Compressor to Engine Mounting Studs	11	-	97	
A/C Pressure Transducer to A/C Liquid Line	5	-	45	
A/C Suction Liquid Line Assembly to Body Bolts	7	-	62	
HVAC Housing to Bulkhead	8	-	71	
HVAC Housing to Instrument Panel Support	5	-	44	
Refrigerant Lines to A/C Compressor	20	15	-	
Refrigerant Lines to A/C Condenser	20	15	-	
Refrigerant Lines to A/C Expansion Valve Nut	20	15	-	

REAR AXLE (DANA M250)

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Axle Bearing to Housing Bolt	50 + 75°	37 + 75°	—	
Bearing Cap Bolts	108	80	—	
Differential Cover Studs	35	26	—	
Differential Cover Bolts	35	26	—	
Differential Drain Plug	27	20	—	
Differential Fill Plug	27	20	—	
Differential Locker Connector Bolt	10	—	88	
Pinion Nut	298–678	219–500	—	Do not reuse these fasteners. If removed, a NEW fastener must be installed and tightened to specifications.
Ring Gear Bolts	215	158	—	Do not reuse these fasteners. If removed, a NEW fastener must be installed and tightened to specifications.

FRONT AXLE

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Front Axle Mounting Bolts (Pinion End)	110	81	—	Apply Thread Lock to Bolts
Front Axle Mounting Bolts (Output Shaft Tube To Right Hand Isolator)	110	81	—	Apply Thread Lock to Bolts
Front Axle Mounting Bolts (Upper Differential Case To Left Hand Isolator)	110	81	—	Apply Thread Lock to Bolts
Front Axle Tube To Axle Housing Bolts	80	59	—	
Front Axle Disconnect (FAD) Actuator	28	21	—	

DRIVESHAFTS

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Front Driveshaft to Front Axle Bolts	115	85	—	Do not reuse these fasteners. If removed, NEW fasteners must be installed and tightened to specifications.
Rear Driveshaft Center Bearing Yoke Nut	149	110	—	
Rear Driveshaft Center Support Bearing Bolts	55	41	—	
Rear Driveshaft to Rear Axle Bolts M10	75	55	—	Do not reuse these fasteners. If Removed, a NEW fastener must be installed and tightened to specifications.
Rear Driveshaft to Rear Axle Bolts M12	115	85	—	Do not reuse these fasteners. If removed, NEW fasteners must be installed and tightened to specifications.
Rear Driveshaft to Transfer Case	75	55	—	Do not reuse these fasteners. If removed, NEW fasteners must be installed and tightened to specifications.

TRANSFER CASE (BW48-13)

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Bearing Plate	10	—	89	
Case Bolts	31	23	—	
Drain/Fill Plug	25	18	—	
Dual Drive Gear Retainer Bolt	9	—	80	
Filter Plate Nut	8	—	71	
Gear Housing Cover Bolts	10	—	89	
Oil Pump Pickup Tube Baffle Bolts	8	—	71	
Output Flange Nut	241	178	—	
Shift Motor Mounting Bolts	10	—	89	
Transfer Case Position Sensor Bolts	33	25	—	
Transfer Case to Transmission Nuts	41	30	—	

TRANSMISSION (8HP95)

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENTS
Driveshaft Flange Nut	60	44	—	If removed, NEW fasteners must be installed and tightened to specifications
Engine to Transmission Bolt	60	44	—	—
Extension Housing to Transmission Bolt	27	20	—	—
Fuel Line Bundle to Transmission	65	48	—	—
Engine Fuel Line Bundle to Transmission	12	9	—	—
Manual Park Release Cable Bracket Bolts	23	17	—	—
Manual Park Release Cable Bracket Nut	20	15	—	—
Manual Park Release Cable Support Nut	7	—	62	—
Manual Park Release Lever Shaft Nut	12	9	—	—
Oil Pump Housing To Cover Bolt	5 + 45°	—	44 + 45°	If removed, NEW fasteners must be installed and tightened to specifications
Oil Pump Assembly To Case Bolts	10 + 90°	—	89 + 90°	If removed, NEW fasteners must be installed and tightened to specifications Torque sequence must be followed (Refer to 21 - Transmission and Transfer Case/Automatic/PUMP, Transmission Oil/Removal and Installation) .
Output Speed Sensor Bolt	8	—	71	—
Park Pawl Lock Rod Guide Plate Bolt	10	—	89	—
Park Pawl Shaft Plug	35	26	—	—
Shifter Control Support Nuts	11	8	—	—
Shifter Control Support Bolts	6	—	53	—
Structural Cover Bolts	48	35	—	—
Torque Converter Bolt	42	31	—	—
Transmission Oil Pan Drain Plug	9	—	80	—
Transmission Oil fill Plug	35	26	—	—
Transmission Oil Pan Bolt	4 + 45°	—	35 + 45°	—
Transmission Oil Cooler Line Bolt	10	—	89	—
Transmission Control Module Mounting Bolts	8	—	63	—

Transmission Oil Heater to Transmission Housing Stud	5.4	—	48	—
Transmission Oil Cooler Lines to Engine	7	5	—	—
Valve Body Bolt	8	—	71	Torque sequence must be followed (Refer to 21 - Transmission and Transfer Case/Automatic/VALVE BODY/ Removal and Installation) .

FRONT SUSPENSION

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Active Damping Sensor Nut	9	—	80	
Halfshaft Nut	250	184	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Hub And Bearing Bolts	50 + 165°	37 + 165°	—	
Lower Ball Joint Nut	51 + 195°	38 + 195°	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Lower Control Arm Nuts (Old Style With Silver Coating)	100 + 145°	74 + 145°	—	
Lower Control Arm Nuts (New Style With Pink Coating)	100 + 145°	74 + 145°	—	
Lower Control Arm Nuts (TRX) (Old Style With Silver Coating)	100 + 145°	74 + 145°	—	
Lower Control Arm Nuts (TRX) (New Style With Pink Coating)	100 + 148°	74 + 148°	—	
Reservoir Bracket Bolt	21	15	—	
Reservoir Bracket Clamp Bolt	18	13	—	
Reservoir Hose Bolt	30	22	—	
Ride Height Sensor Stud (TRX)	11	—	97	
Strut Rod Nut	35	26	—	
Strut Rod Nut (TRX)	119	88	—	
Shock Absorber Lower Nut	168	124	—	
Shock Absorber Lower Nut (TRX)	138 + 305°	102 + 305°	—	
Upper Shock Mount to Frame	63	46	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Shock to Mount Assembly	35	26	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Shock Absorber Upper Nut	70	52	—	
Stabilizer Bar Bolts	45	33	—	
Stabilizer Bar Bolts (TRX)	30 + 97°	22 + 97°	—	
Stabilizer Bar Link Lower Nut (TRX)	115	85	—	
Stabilizer Bar Link Lower Nut	110	81	—	
Stabilizer Bar Link Upper Nut (TRX)	115	85	—	
Stabilizer Bar Link Upper Nut (18 mm)	93	69	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.

Stabilizer Bar Link Upper Nut (19 mm)	100	74	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Upper Control Arm Bolts	174	128	—	
Upper Ball Joint Nut	35 + 180°	26 + 180°	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.

REAR SUSPENSION

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Active Damping Sensor Bolt	11	8	—	
Jounce Bumper Nut	63	46	—	
Lower Control Arm Rear Bolt	150 + 110°	111 + 110°	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Lower Control Arm Front Bolt	150 + 110°	111 + 110°	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Lower Control Arm Front Bolt (TRX)	340	251	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Lower Control Arm Rear Bolt (TRX)	340	251	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Power Hop Damper Front Bolt	165	122	—	
Power Hop Damper Rear Bolt	200	148	—	
Power Hop Dampener Bracket to Axle	70	52	—	
Reservoir Bracket to Frame	12	9	—	
Reservoir Bracket Clamp Bolt	15	11	—	
Ride Height Sensor Bolt (TRX)	11	—	97	
Shock Absorber Lower Bolt	140	103	—	
Shock Absorber Lower Bolt (TRX)	215	159	—	
Shock Absorber Upper Nut	48	35	—	
Shock Absorber Upper Bolt (TRX)	200	148	—	
Stabilizer Bar Bolts	50	37	—	
Stabilizer Bar Link Upper Bolt	55	41	—	
Stabilizer Bar Link Lower Nut	90	66	—	
Track Bar Axle Bolt	172	127	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Track Bar Axle Bolt (TRX)	165	122	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Track Bar Frame Nut	130	96	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.

Track Bar Frame Nut (TRX)	130	96	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Upper Control Arm Front Bolt	150 + 110°	111 + 110°	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Upper Control Arm Rear Bolt	150 + 110°	111 + 110°	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Upper Control Arm Front Bolt (TRX)	340	251	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.
Upper Control Arm Rear Bolt (TRX)	340	251	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications.

WIPERS

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Wiper Arm Nut	24	17	—	
Wiper Linkage Module Bolts	7	—	62	
Wiper Motor Crank Arm Nut	26	19	—	
Wiper Motor Mounting Screws	13	10	—	

POWER DISTRIBUTION

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
AUX Power Distribution Center (PDC) to Vertical Post	11	8	—	
B(+) Input to PDC – Eyelet to PDC Stud	8	—	71	
Electronic Power Steering (EPS) to PDC, Terminal Captured	8	—	71	
Junction Block to Frame	18	13	—	
Junction Box to Instrument Panel	6	—	53	
PDC to Battery (+)	11	8	—	
PDC to Cross Beam	8	—	71	
PDC to Lower Cover	6	—	53	

STARTING & CHARGING

DESCRIPTION	N • m	Ft. Lbs.	In. Lbs.	COMMENT
48V+ Nut to MGU	Specific Torque Sequence (Refer to 08 - Electrical/ eTorque System/MOTOR, Generator Unit (MGU) / Removal and Installation).			
48 Volt Harness Trough To Stud Bracket Nuts	11	8	—	
48 Volt Harness Trough To Engine Bracket Nuts	11	8	—	
B+ Battery Positive at Power Distribution Center (PDC)	8	—	71	
Battery Negative to Negative Post	7	—	62	
Battery Positive Cable	7	—	62	
Battery Positive to Positive Post	7	—	62	
Battery Bracket Bolt - Battery Hold Down to Tray	5	—	44	
Battery Tray Bolts	10	—	89	
Generator B+ Nut - 5.7L	14	10	—	
Generator M10 Bolts - 5.7L	55	41	—	
Generator to Front Cover - 5.7L	25	18	—	
Generator to Front Cover - Upper - 3.0L	5	—	44	
Generator to Front Cover - Lower - 3.0L	25	18	—	
Generator to Generator Mounting Bracket - 6.2L (Bolts)	25	18	—	
Generator to Generator Mounting Bracket - 6.2L (Nut)	25	18	—	
Generator to Generator Mounting Bracket - 6.2L (Double Ended Stud)	5	—	44	
Instrument Panel Ground Eyelet to Crossbeam	5	—	44	
Wire Harness Ground to Body	12	9	—	
Rear Chassis Wire Harness Bracket to Frame (TRX)	55	41	—	
Ground to Body	20	18	—	
Intelligent Battery Sensor (IBS) Sensor to Negative Post	5	—	44	

Jumper to MGU	11	8	—	
MGU Studs to Engine - 3.6L	10	—	89	
MGU Nuts to Studs - 3.6L	62	46	—	
MGU Bolt to Cylinder Head - 3.6L	62	46	—	
BSG Cable to MGU Bracket - 3.6L	9	—	80	
MGU Harness Trough To Cylinder Head Cover Nut	11	8	—	
MGU M10 Bolts to Engine - 5.7L	Specific Torque Sequence (Refer to 08 - Electrical/ eTorque System/MOTOR, Generator Unit (MGU) / Removal and Installation).			
MGU M8 Bolts to Engine - 5.7L	Specific Torque Sequence (Refer to 08 - Electrical/ eTorque System/MOTOR, Generator Unit (MGU) / Removal and Installation).			
Negative Battery Cable to the IBS	7	—	62	
Battery Negative Lead to Fender	20	15	—	
Negative Battery Cable to Engine Block	30	25	—	
Pencil Brace M8 Bolt to MGU	Specific Torque Sequence (Refer to 08 - Electrical/ eTorque System/MOTOR, Generator Unit (MGU) / Removal and Installation).			
Pencil Brace M8 Bolts to Valve Cover Brace	Specific Torque Sequence (Refer to 08 - Electrical/ eTorque System/MOTOR, Generator Unit (MGU) / Removal and Installation).			
PDC to Wiring Connector	4	—	35	
PDC to B+	12	9	—	
PDC Tray To Cross Beam Nuts	8	—	71	
Power Pack Unit (PPU) Ground to Body Nut	20	15	—	
PPU Ground Stud Nut	20	15	—	
PPU to PPU Bracket Lower	20	15	—	
PPU to PPU Bracket Upper	20	15	—	
PPU 12 Volt Connection Nut	20	15	—	
PPU 48 Volt Connection Nut	20	15	—	
PPU Upper Bracket To Cab Back Bolt	20	15	—	
PPU Lower Bracket To Floor	46	34	—	
PPU Wiring Shield Nuts	8	—	71	

Starter Bolt to Engine - 3.0L - Long	63	46	—	
Starter Bolt to Engine - 3.0L - Short	40	30	—	
Starter Bolt to Transmission - 3.6L	55	41	—	
Starter Bolt to Transmission - 5.7L	63	46	—	
Starter Bolt to Transmission - 6.2L	57	42	—	
Transmission Cooler Lines	5	—	53	
Starter Heat Shield Bolts - 5.7L	11	8	—	
Starter B+ Nut	11	8	—	
Tensioner to MGU	55	41	—	
Wiring From MGU to PPU Nuts	6	—	53	
Wiring Pass Through Nuts in Rear Floor	5	—	53	
Wiring Breakout Block <u>Underhood</u> Nuts	6	—	53	

ENGINE

DESCRIPTION	N·m	Ft. Lbs.	In. Lbs.	COMMENT
Camshaft Phaser Bolt	95	70	—	
Camshaft Thrust Plate Bolts	13	—	115	
Coolant Drain Plugs ¼ x 18 NPT	34	25	—	
Connecting Rod Cap Bolts	40 plus 90° Turn	30 plus 90° Turn	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tighten to specifications.
Crankshaft Main Bearing Cap Bolts	Torque Procedure: 1 Tighten main bearing cap bolts to 13 N·m (10 Ft. Lbs.) 2 Tighten main bearing cap bolts to 28 N·m (21 Ft. Lbs.) 3 5.7L - Rotate an additional 90° 4 6.2L/6.4L - Rotate an additional 120°		—	Tightening Sequence
Crankshaft Main Bearing Cap Cross Bolts	NOTE: Torque the main bearing cap bolts before the cross bolts 31 N·m (23 Ft. Lbs.)		—	Tightening Sequence
Lifter Guide Holder	12	9	—	
Oil Dipstick Tube to Block	12	9	—	
Oil Dipstick Tube to Manifold	10	7	—	
Oil Filter Adapter-Engine to Block	12	9	—	
Oil Gallery Plugs ¼ x 18 NPT	20	15	—	

Oil Pan to Block Fasteners	12	9	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tighten to specifications.
Oil Pan Baffle	7	—	62	
Oil Pan Drain Plug	27	20	—	
Oil Pressure Sensor	14	—	124	
Oil Pump to Engine Block Bolts	32 32	23	—	
Oil Pump Cover Bolts	15	—	133	
Oil Pump Pickup Tube Bolts	12	9	—	
Oil Temperature Sensor	50	38	—	
Piston Oil Cooler Jet Bolts	13	10	—	
Plugs 3/8 x 18 NPT	27	20	—	
Timing Chain Guide Bolts	11	—	97	
Timing Chain Tensioner Bolts	11	—	97	
Variable Valve Timing Solenoid Bolt	11	—	97	

CYLINDER HEAD

DESCRIPTION	N•m	Ft. Lbs.	In. Lbs.	COMMENT
Cylinder Head Bolts	Specific torque and fastener pattern required (Refer to 09 - Engine/Cylinder Head/Removal and Installation) .			
Cylinder Head Cover Bolts	11	—	97	
Exhaust Manifold Bolts	25	19	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tighten to specifications.
Exhaust Manifold Heat Shield Nuts	8	—	70	
Ignition Coil Bolts	7	—	62	
Lifter Guide Holder Bolts	12	9	—	
Rocker Arm Bolts	Specific torque and fastener pattern required; follow installation sequence (Refer to 09 - Engine/Cylinder Head/ROCKER ARM, Valve/Removal and Installation) .			
Supercharger to Cyl. Head Bolts	Specific torque and fastener pattern required (Refer to 09 - Engine/Supercharger System/Supercharger/Removal and Installation) .			

FRONT ENGINE

DESCRIPTION	N • m	Ft. Lbs.	In. Lbs.	COMMENT
Coolant Tube Bolt (left side)	18	13	—	
Water Pump to Front Cover	28	21	—	
Engine Coolant Temperature (ECT) Sensor	27	20	—	
Thermostat Housing Bolts	28	21	—	
Timing Chain Cover Bolts	28	21	—	
Lifting Stud	55	41	—	
Supercharger Inlet Nose	Specific torque and fastener pattern required; follow installation sequence (Refer to 09 - Engine/Supercharger System/NOSE, Inlet/Removal and Installation) .			Do not reuse these fasteners. If removed, a new fastener must be installed and tighten to specifications.
Vibration Damper Bolt	200 + 150°	148 + 150°	—	Do not reuse these fasteners. If removed, a new fastener must be installed and tighten to specifications.

REAR ENGINE

DESCRIPTION	N • m	Ft. Lbs.	In. Lbs.	COMMENT
Coolant Tube Bolts	18	13	—	
Flexplate Bolts	95	70	—	
Inspection Cover to Transmission Bolt	11	—	97	
Rear Crankshaft Oil Seal Retainer Bolts	13	—	115	
Torque Convertor Bolts	42	31	—	
Transmission to Oil Pan Bolts	45	33	—	
Transmission Bell Housing to Engine Bolts	45	33	—	

ENGINE MOUNTS

DESCRIPTION	N • m	Ft. Lbs.	In. Lbs.	COMMENT
Engine Mount Isolator to Axle Housing Bolts	110	81	—	
Front Engine Mount Through Bolts/Nuts to Bracket	80	59	—	Nut Held Bolt Tightened
Front Engine Mount Heat Shield Nut	55	41	—	
Front Engine Mount to Frame Through Bolts/Nuts	208	153	—	
Pinion Housing to Bracket Bolts	110	81	—	Apply Thread Lock to Bolts
RH Engine Mount Brackets to Block Bolts	64	47	—	Apply Thread Lock to Bolts
LH Engine Mount Brackets to Block Bolts	64	47	—	Apply Thread Lock to Bolts
Engine Mount Bracket to Transmission Bolts	108	80	—	Apply Thread Lock to Bolts/ Nut Held Bolt Tightened
Rear Mount Isolator to Transmission Mount Bracket Bolt	110	81	—	
Rear Mount Isolator to Transmission Crossmember Nuts	25	18	—	
Rear Transmission Mount Isolator to Transmission Bolts	64	47	—	Apply Thread Lock to Bolts
Transmission Adaptation Bracket to Transmission	64	47	—	Apply Thread Lock to Bolts

ACCESSORY DRIVE

DESCRIPTION	N • m	Ft. Lbs.	In. Lbs.	COMMENT
Belt Tensioner Bolts	55	41	—	
Generator/Idler Pulley Mounting Bracket to Cylinder Head	25	18	—	
Generator/Idler Pulley Mounting Bracket to Valve Cover	29	21	—	
Generator/Idler Pulley to Mounting Bracket	29	21	—	
Supercharger Drive Belt Tensioner Bracket Bolts	28	20	—	
Supercharger Drive Belt Tensioner Bolt	50	37	—	
Supercharger Idler Pulley Bolts	50	37	—	Do not reuse these fasteners. If removed, a NEW fastener must be installed and tightened to specifications.

MISCELLANEOUS COMPONENTS

DESCRIPTION	N • m	Ft. Lbs.	In. Lbs.	COMMENT
Air Cleaner Body Bolt	4	—	35	
Air Cleaner Cover	3	—	26	
Air Cleaner Tube Clamps	4	—	35	
Bypass Valve Adapter to Inlet Nose	10	—	89	
Bypass Valve	Specific torque and fastener pattern required; follow installation sequence (Refer to 09 - Engine/Supercharger System/VALVE, Bypass/Removal and Installation) .			
Catalytic Converter to Exhaust Manifold Nuts	11	8	—	
Heater Tube Bolt	18	—	159	
Oil Control Valve Bolt	11	8	—	
Oil Cooler Drain Plug	26	19		
Oil Cooler Shroud and Bracket	25	18	—	
Strut Tower Support Bolts	38	28	—	
Supercharger Lid	Specific torque and fastener pattern required; follow installation sequence (Refer to 09 - Engine/Supercharger System/VALVE, Bypass/Removal and Installation) or (Refer to 07 - Cooling/Turbocharger/COOLER, Charge Air/Removal and Installation) .			
Supercharger to Cylinder Heads	Specific torque and fastener pattern required; follow installation sequence (Refer to 09 - Engine/Supercharger System/Supercharger/Removal and Installation) .			