

Component Procedures: Frame

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Component Procedures: Frame

Frame and Underbody - Fastener Specifications (Article 10218)

Application Specification

Metric English

Brake Line Bracket to Frame Nut 10 Nm 89 lb in

Brake Module to Bracket Nut 10 Nm 89 lb in

Brake Pipe Fittings 15 Nm 11 lb ft

Driveline and Front Suspension Frame to Body Bolts - Front 160 Nm 118 lb ft

Driveline and Front Suspension Frame to Body Bolts - Rear 240 Nm 177 lb ft

Engine Mount Nuts to Frame 50 Nm 37 lb ft

Front Lower Ball Joint Nut (Front and Rear)

First Pass 40 Nm 30 lb ft

- First Pass

Second Pass plus 90 degrees

- Second Pass

Front Lower Control Arm Front to Frame Nut 50 Nm plus 150 degrees turn 37 lb ft plus 150 degrees turn

Front Lower Control Arm Rear to Frame Bolt 50 Nm plus 120 degrees turn 37 lb ft plus 120 degrees turn

Front Outer Tie Rod to Knuckle Nut

First Pass 30 Nm 22 lb ft

Second Pass plus 120 degrees turn

Front Stabilizer Shaft Bracket Bolts 17 Nm 13 lb ft

Front Stabilizer Shaft Link Nut 49 Nm 36 lb ft

Power Steering Gear to Frame Mounting Bolts 50 Nm plus 120 degrees turn 37 lb ft plus 120 degrees turn

Rear Adjuster Link to Frame Nuts 115 Nm 85 lb ft

Rear Adjuster Link to Knuckle Bolts 140 Nm 103 lb ft

Rear Frame Insulator Anchor Bolts to Body 100 Nm plus 110 degrees turn 74 lb ft plus 110 degrees turn

Rear Lower Control Arm to Knuckle Bolts 40 Nm plus 120 degrees turn 30 lb ft plus 120 degrees turn

Rear Lower Control Arm to Frame Nuts 115 Nm 85 lb ft

Rear Shock Lower Nut 80 Nm plus 120 degrees turn 59 lb ft plus 120 degrees turn

Rear Shock Mount to Body Bolts 58 Nm 43 lb ft

Rear Stabilizer Shaft Clamp Bolt 22 Nm 16 lb ft

Rear Stabilizer Shaft Link Nuts 49 Nm 36 lb ft

Rear Trailing Arm to Frame Bolts 100 Nm 74 lb ft

Rear Trailing Arm to Knuckle Bolts 40 Nm plus 120 degrees turn 30 lb ft plus 120 degrees turn

Rear Upper Control Arm Bushing to Control Arm Bolt 160 Nm 118 lb ft

Rear Upper Control Arm Bushing Bracket to Frame Bolts 50 Nm plus 120 degrees turn 37 lb ft plus 120 degrees turn

Transmission Mount Lower Nuts 60 Nm 44 lb ft

Transmission Support to Body Bolts 58 Nm 43 lb ft

Under Body Brace 58 Nm 43 lb ft

Upper Control Arm to Knuckle Bolt 60 Nm plus 90 degrees turn 44 lb ft plus 90 degrees turn

Washer Solvent Bottle Bracket Nut 10 Nm 89 lb in

All Technical Service Bulletins (itype_100)

Tsbs

- Body/Frame - Noise When Driving Over Bumps (PIC6022, 2014/08/26)

Repair Tips (itype_110)

Tsbs

- Body/Frame - Noise When Driving Over Bumps (PIC6022, 2014/08/26)

Frame and Underbody - Special Tools (Article 10216)

Illustration Tool Number/ Description

Click for full-size image J 39580 Engine Support Stand