

Structural Repair Procedures Not Requiring a Frame Bench

Lists the structural repairs that can be done without mounting the vehicle on a frame bench.

All structural repairs must be performed with the vehicle properly mounted to an approved frame bench, with the exception of the procedures listed below.



CAUTION

Some of the procedures listed below require special setup to reduce stress on the vehicle structure when performing a repair when the vehicle is not on a frame bench. Special setups for repair procedures may include:

- Raising the vehicle off the suspension
- Removing or disconnecting the spring assemblies
- Removing the sub-frame assemblies
- Supporting sub-frame assemblies with screw jacks (as shown below)

Refer to the notes for each procedure below for special setup requirements.

Figure 1. Example of vehicle setup with jacks and spring assemblies highlighted in red



- A-Pillar Outer (Complete)
- A-Pillar Outer (Section)

- Body Side Outer (Complete)
- Body Side Outer (Lower Section)
- Fender Brackets
- Front Frame Rail Cap (Rear Wheel Drive)
- Front Header Assembly
- Front Rail Outer Extension Reinforcement
- Front Right Motor Mount
- Front Shock Tower Reinforcement
- Front Torque Box Repair
- Lower Torque Box Plate
- Quarter Outer (Complete)
- Quarter Outer Skin (Complete)
- Quarter Outer Skin (Lower Section)
- Rear Panel (Complete)
- Rear Header Assembly
- Rear Motor Cover Floor
- Rear Node Outer Reinforcement
- Rear Shock Tower Reinforcement

**Note**

Spring assemblies must be disconnected or removed, the vehicle must be raised off suspension and supported with jack stands in the jack pad locations, and the sub-frame assemblies must be removed or supported with screw jacks.

- Rear Trunk Floor Assembly
- Rear Trunk Floor Panel Extension
- Roof Assembly - Remove and Install
- Roof Assembly - Remove and Replace
- Shotgun Outer Assembly
- Shotgun Upper Assembly (Complete)
- Shotgun Upper Assembly (Section)
- Sill (Flange Area Section)
- Wheel Arch Outer Panel (Section)
- Wheelhouse Extension Panel

In the images below:

- Green = Frame bench/fixturing not required
- Silver/gray = Frame bench/fixturing is required
- Yellow = Special vehicle support setup required, as described above

