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

- A-Pillar Upper Outer Lower Bracket
- B-Pillar Header Upper

> **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.

> **Note**
> Both Falcon Wing door assemblies must be removed.

- Body Side Outer (Lower Section)
- Body Side Outer (Section)
- C-Pillar Lower Extension
- Fender Brackets
- Front Right Motor Mount
- Front Shock Tower Reinforcement
- Front Torque Box Repair
- Rear Header Upper

> **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 Node Outer Reinforcement
- Rear Panel (Complete)
- Rear Quarter Outer

> **Note**
> Lower Falcon Wing door on the repair side must be removed and the opposite side must remain closed during repair.

- Rear Quarter Outer Lower
- 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 Panel
- Rear Trunk Floor Panel Extension
- Rear Trunk Waterfall
- Rear Wheel Arch (Complete)
- Rear Wheel Arch (Section)
- Shotgun Assembly (Complete)
- Sill (Flange Area 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