

Jeep Cherokee Frame Stiffeners (Center)

DISCLAIMER- STIFFENERS MAY NEED MODIFIED DEPENDING ON LIFT OR ANY EQUIPPED ROCK SLIDERS

Driver's Side-

- 1) Start by removing the emergency brake cable bracket on the driver's side frame rail
You Will Need:
 - 13mm socket
 - Impact gun or a ratchet
- 2) Secure emergency brake away from work area
You Will Need:
 - Bungee cord or other type of securing device
- 3) Remove all plastic clips that support the fuel and brake lines on the inside of the frame
- 4) Secure fuel and brake lines away from work area
You Will Need:
 - Bungee cord or other type of securing device
- 5) If you are using a stock transfer case support, support transmission/transfer case by jacking the transmission and transfer case up and placing a block or jack stand underneath
You Will Need:
 - Floor jack or other type of jack
 - Jack stand or other type of support device
- 6) Remove transmission/transfer case support to allow room for better stiffener fitment
You Will Need:
 - 15mm socket
 - 13mm socket
 - Impact gun or ratchet
- 7) Set the driver's side frame stiffener in place on the driver's side frame rail. Ensure stiffener is pushed against the driver's side leaf spring perch to test fit
- 8) Remove stiffener to allow for the next step of the installation process
- 9) Grind or wire wheel the driver's side frame rail on the side and the bottom to remove any paint or dirt. No grinding/wire wheeling is required on the inside of the frame rail
You Will Need:
 - Any grinder, sander or other grinding/sanding device
- 10) Place driver's side frame stiffener on driver's side frame rail and secure the stiffener to the frame rail
You Will Need:
 - Any type of clamping device such as a F-Clamp or a C-Clamp
 - Floor jack or other type of jack
 - Jack stand or other type of support device

- 11) Place tack welds to hold the stiffener in place on the driver side frame rail. Use caution when tacking upper portions of the stiffener in place. Extreme heat may cause carpet/interior to catch fire. Try for as tight of a fit as possible

You Will Need:

- Any style MIG welder
- Welding helmet
- Welding gloves

- 12) Weld all holes and along all edges. Use caution when welding upper portions of the frame stiffener. Extreme heat may cause carpet/interior to catch fire

You Will Need:

- Any style of MIG welder
- Welding helmet
- Welding gloves

Passenger Side-

- 1) Set the passenger side frame stiffener on the passenger side frame rail to test fit. Ensure the stiffener is pushed against passenger side leaf spring perch
- 2) If using a stock transmission/transfer case support is being used, ensure holes on the passenger side frame rail are aligned with the slots on the passenger side frame stiffener to allow the factory bolts to go through
- 3) Remove passenger side frame stiffener to allow for next step of the installation process
- 4) Grind or wire wheel the passenger side frame rail on the side and the bottom to remove any paint or dirt. No grinding/wire wheeling is required on the inside of the frame rail

You Will Need:

- Any grinder, sander or other type of grinding/sanding device

- 5) Place passenger side frame stiffener on passenger side frame rail and secure the stiffener to the frame rail

You Will Need:

- Any type of clamping device such as a F-Clamp or a C-Clamp
- Floor jack or other type of jack
- Jack stand or other type of support device

- 6) Place tack welds to hold the stiffener in place on the passenger side frame rail. Use caution when tacking upper portions of the stiffener in place. Extreme heat may cause carpet/interior to catch fire. Try for as tight of a fit as possible

You Will Need:

- Any style MIG welder
- Welding helmet
- Welding gloves

- 7) Weld all holes and along all edges. Use caution when welding upper portions of the frame stiffener. Extreme heat may cause carpet/interior to catch fire

You Will Need:

- Any style of MIG welder
- Welding helmet
- Welding gloves

Upon Completion of Both Driver's and Passenger Side-

- 1) Weld the emergency brake cable bracket back into place on the driver's side frame stiffener

You Will Need:

- Any style of MIG welder
- Welding helmet
- Welding gloves

- 2) Replace plastic clips that support the fuel and brake lines on the driver's side frame rail
- 3) If you use a stock transmission/transfer case support, you may re-install at this time

You Will Need:

- 15mm socket
- 13mm socket
- Impact gun or ratchet

Links and Other Media:

Affordable Offroad Website- <https://affordableoffroad.com/>

Bolt-On Rock Sliders- <https://affordableoffroad.com/shop/elite-gas-rock-sliders-jeep-cherokee-xj-84-01/>

Weld-In Rock Sliders- <https://affordableoffroad.com/shop/weld-in-rock-sliders-jeep-cherokee-xj-84-01/>

Reference Pictures-

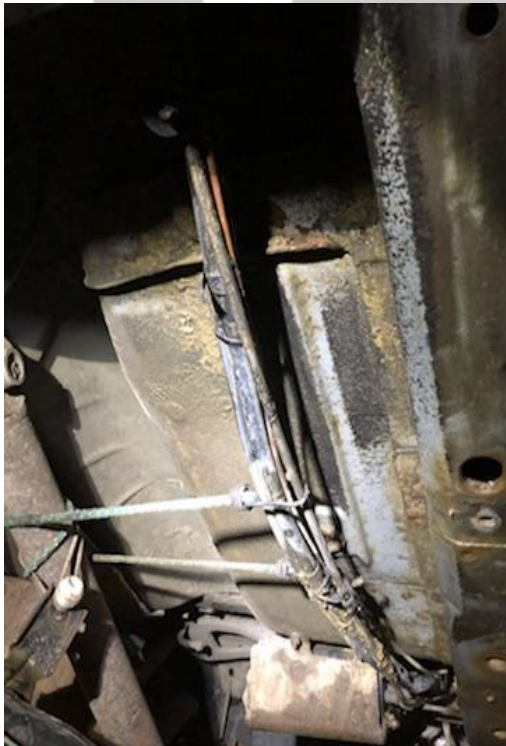
Step 1



Step 7



Step 4



Step 9



Steps 10/11



Step 12

