

**SAFETY FIRST!!!!**

- A commercial automotive lift is recommended for under vehicle installations.
- Never work under a vehicle supported by jacks or other unstable lifting devices.
- If a commercial lift is not available, always support the vehicle at all four corners of the frame with jack stands or other stable holding devices.

**SAFETY GLASSES ARE HIGHLY RECOMMENDED.**

*(Metal chips, falling debris and rust hazard to eyes.)*

**INSTALLATION**

- Support the transmission with a suitable lifting device. **Do not crush the pan**, the pickup screen inside is very close to the pan.
- Remove (1) transmission mount bolt / stud.
- Remove (4) crossmember bolts.
- Remove speedometer cable.
- Remove OEM crossmember - lift transmission if needed.
- Discard (2) rubber crossmember isolators at the ends of the crossmember *(if equipped)*. they will not be reused.
- Remove sand and debris from inside the frame rails. The new components should be mounted on clean surfaces.
- This is a perfect opportunity to clean and detail the undercarriage.
- Remove the vapor return line bolt located inside the driver side frame rail.
- Push vapor return line upward.

- Position the FE-100 Frame Extension inside frame opening and line up the (2) 1/2" holes.
- Install and hand tighten (2) 7/16" bolts.
- Temporarily install the Racing Crossmember using (4) 7/16" bolts.
- Line up transmission mount bolt/stud with crossmember hole ~ install hand tight.
- Line up the Frame Extension rearward holes on the thin frame rail section.
- Shims (washers) will later be used to fill the gap here.
- Cut out the template to locate drilled holes.
- Line up 1" diameter large holes in the template with the 1" Frame Extension holes.
- Use a center punch to locate the 2 new holes.
- Punch through the template and into the frame in the center of the 1/4" holes.
- Drill through the frame rail and the Frame Extension. (Easier to pre-drill with a 1/4" first, then with the 1/2".)
- Deburr all holes.
- Install supplied shims between the frame rail and the Frame Extension to fill the gap.
- Install (2) 7/16" bolts to secure the Frame Extension to the frame rail.
- Tighten all bolts.
- Lower transmission onto the crossmember, tighten bolt / stud.
- Reinstall speedometer cable.
- Reinstall vapor return line bolt.
- Recheck all fasteners.
- Installation complete.