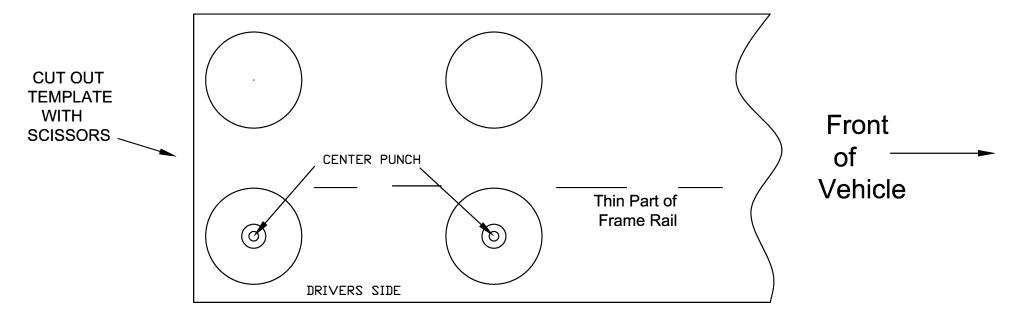


FE-100 Drilling Template and Installation Instructions



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.