



**LS Installation Guide for 1988-1998 2WD GM truck & 1992-2000 2WD SUV**



**Hardware and Parts List**

All motor mounts come with a lifetime warranty and free replacement upon return of any mount or bracket.

<u>Quantity</u>	<u>Item</u>
2	Frame Brackets
2	Motor Mounts
1	Transmission Crossmember
2	Outer Crossmember Brackets
1	Polyurethane Transmission Mount and Spacers
1	Hardware Pack

## **Installation Notes**

- This kit uses our LH8 oil pan kit. The truck oil pan can be used; however it hangs below the frame about 1" (this is not suggested with lowered vehicles).
- Factory LS truck mechanical fan lines up with the factory fan shroud in the truck.
- Large case 6L80E and 6L90E transmissions fit the transmission tunnel without needing modifications to the tunnel.
- LS truck intake and exhaust manifolds fit this chassis
- Low mount A/c compressors of any kind will not clear the frame must use a high mount A/c kit
- LS truck style alternator and power steering also fit nice in this chassis

**Step 1:** Locate the Driver's Side (LEFT) and Passenger's Side (RIGHT) motor mounts and loosely bolt them to the engine using the supplied 10mm allen head bolts, now loosely bolt the Driver's Side (LEFT) and Passenger's Side (RIGHT) frame brackets to the engine mounts using the supplied ½"-13 x 4" long bolts and nylon lock nuts. (The bolts will be tightened after the engine is set in place and everything is lined-up)



, (Detailed view of driver's side motor mount and frame bracket in chassis)



(Detailed view of passenger's side motor mount and frame bracket in chassis)

**Step 2:** Lower the engine into the chassis and align the frame bracket to frame bolt holes and loosely install the 3/8-16 x 1" bolts, flat washers and nylon lock nuts.



**Step 3:** Lift the rear of the transmission using a floor jack. Install the polyurethane transmission mount on the transmission, making sure that you install the provided plate between the mount and the transmission (this preloads the polyurethane mount). Loosely bolt the Outer Crossmember brackets to each side of the chassis with the narrow tapered end pointing toward the rear of the truck. Slide the transmission crossmember on top of the outer side brackets and bolt the mount loosely to the crossmember using the 7/16"-13 x 1" bolt and the 7/16" flat washer. Loosely install the crossmember to outer brackets (3/8"-16 x 1" bolts, flat washers and the 3/8"-16 nylon lock nuts).



**Step 4:** Once you have checked to make sure that everything is installed correctly and lined up go back and tighten the engine mount to block bolts, engine mount to frame bracket bolts, frame bracket to frame bolts, transmission mount to transmission bolts, transmission mount to crossmember bolts and transmission crossmember to frame bolts.





**The Muscle Rod line of headers from Husler is designed to bolt in with this kit for an easy bolt in install with great performance and fitment.**

Road test your vehicle to familiarize yourself with its new handling characteristics. BRP cannot supervise your installation of these parts and systems cannot be held responsible more than the cost of the kit and/or parts. The vehicle should be operated normally. Contact BRP if you need anything or if we can be of assistance. (Check the BRP web site for additional help).

**Thank you for purchasing a Muscle Rod conversion kit proudly made in the USA.**