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LS Installation Guide for 1973-1987 2WD GM truck & 1973-1991 2WD SUV



Hardware and Parts List

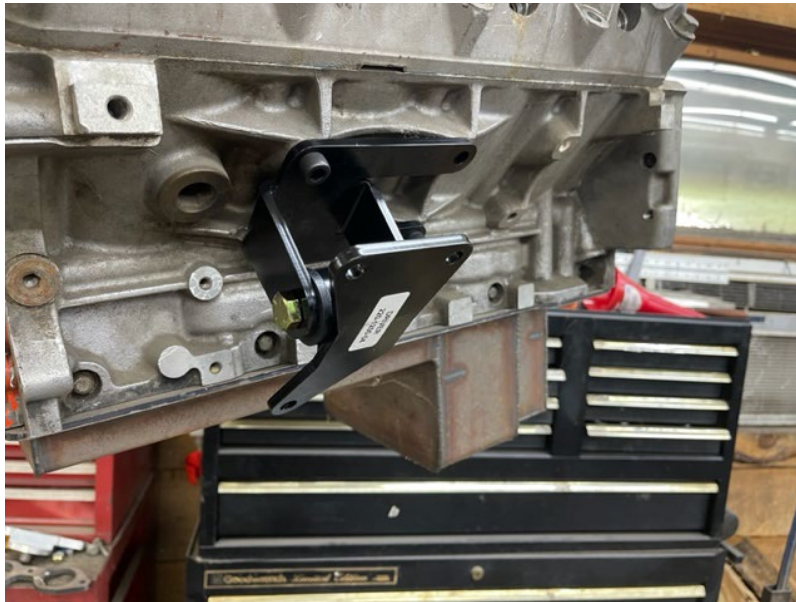
All motor mounts come with a lifetime warranty and free replacement upon return of any mount or bracket.

<u>Quantity</u>	<u>Item:</u>
2	Frame Brackets
2	Motor Mounts
1	Transmission Crossmember
2	Crossmember Outer 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 quite a bit (this is not suggested with lowered vehicles).
- Most OEM and after-market accessory drive systems can be used with this kit.
- Use of low mount a/c compressor will require custom made lines.

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 on engine



Detailed view of passenger's side motor mount and frame bracket on engine

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: With the engine and frame mounts loosely bolted into the chassis, you can now install the Crossmember to the frame rails of the chassis. Lift the rear of the transmission using a floor jack. Install the polyurethane transmission mount, gold preload plate and spacers onto the transmission. The transmission you have chosen will determine the fore and aft location of the Crossmember outer support brackets. The height of the brackets should be 3" from the bottom of the bracket to the bottom of the frame lip as shown in the photo. Use a 3/8" drill bit to drill the new holes to bolt the brackets to the chassis.



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.



(Carbureted LSx engine in 73-87 GMC truck)



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.