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LT Installation Guide for 1994-1996 B-Body Impala



Hardware and Parts List

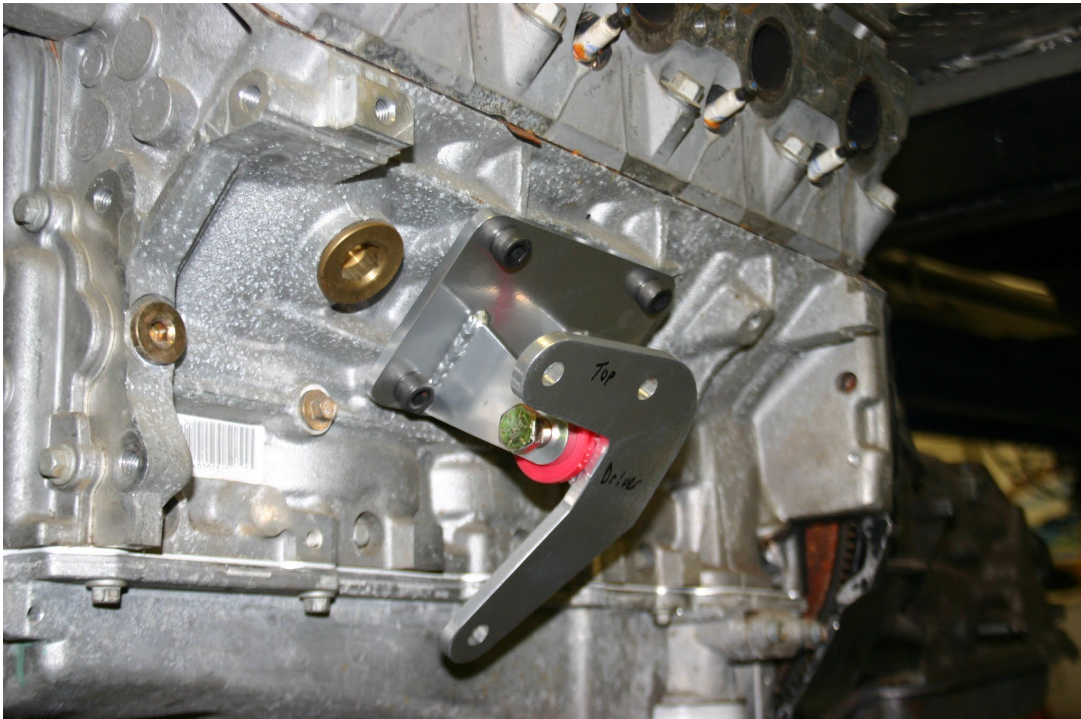
All motor mounts come with a lifetime warranty and free replacement upon return of any mount or bracket.

<u>Quantity</u>	<u>Item:</u>
2	Frame Brackets
2	Motor Mounts
1	Transmission Crossmember
1	Polyurethane Transmission Mount
1	Driver side Crossmember bracket
1	Passenger side Crossmember bracket
1	Driver side "Z" support bracket
1	Bolt kit

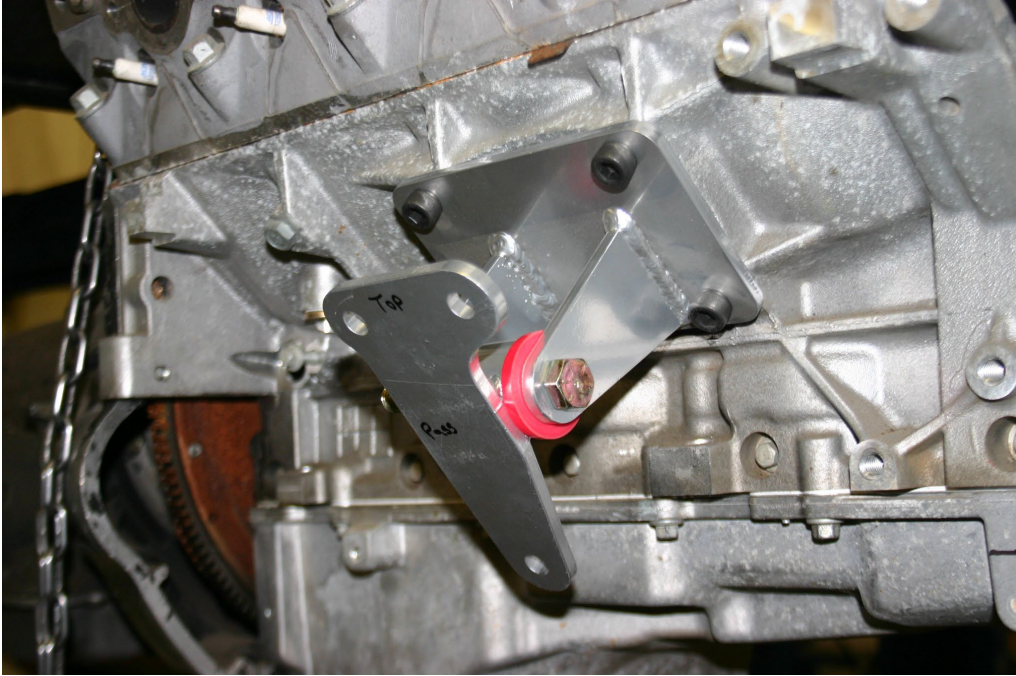
Installation Notes

- Must use the MOROSO LT oil pan. Factory pans will not fit
- Must use factory Camaro style LT water pump and alternator with kwik performance a/c and p/s accessory bracket. It's the only setup that will fit in this chassis
- Must use factory Camaro LT intake manifold. It's the only one that fits
- Must relocate the ABS brake controller and bracket for a/c comp. and p/s pump to fit
- Must remove wiper motor to install the engine, once installed in can be reinstalled. It is a tight fit above the valve cover but clears by about ¼"
- 4I60e and 4I80e trans will fit in the tunnel, all other manual and large case automatics will require cutting of the transmission tunnel
- Factory truck LT exhaust manifolds do not fit this chassis

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 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)



Driver side engine and frame mount



Passenger side engine and frame mount

Install the driver and passenger side Crossmember brackets along with the drivers side rear support "Z" bracket as shown in the photos.



Driver side bracket mounts to the chassis with the tapered end facing the front of the car as shown



The additional "Z" bracket supports the rear portion of the driver side bracket. It bolts to the inside of the chassis and the top of the long bracket as shown



The passenger side bracket bolts to the chassis with the tapered end facing the rear of the car as shown

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



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 gold plate and correct number of spacer shims for your type of transmission between the mount and the transmission (this preloads the polyurethane mount). Slide the transmission crossmember on top of the Crossmember 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 the side brackets. (3/8"-16 x 1" bolts, flat washers and the 3/8"-16 nylon lock nuts). Where the Crossmember bolts to the side brackets will depend on the length of the transmission you have chosen to use in the car.



Crossmember installed showing a 4L60E transmission

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 it's 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.