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LS Conversion Installation Guide 1965-70 B-Body Impala



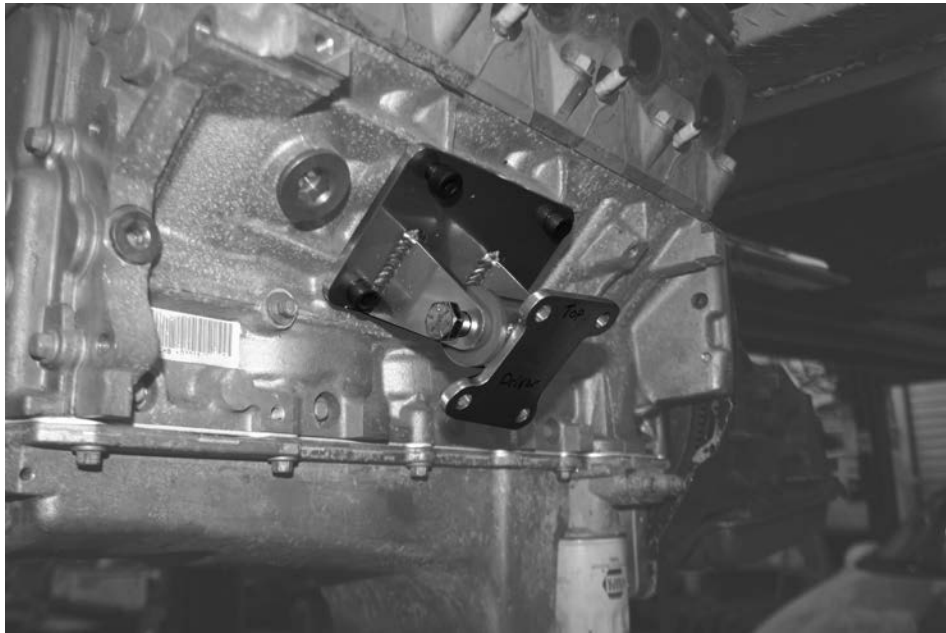
Hardware and Parts List

All engine mounts feature a lifetime warranty and free replacement upon return of any mount or bracket.

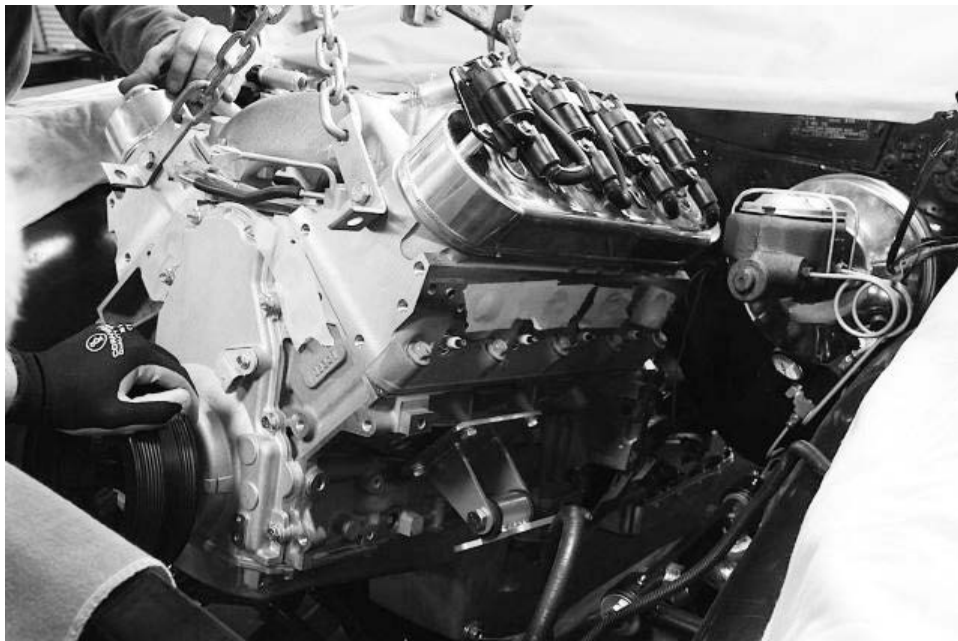
<u>Quantity</u>	<u>Item</u>
2	Frame brackets
2	Engine mounts
1	Transmission crossmember
2	Crossmember brackets
1	Extra frame bracket
1	Polyurethane transmission mount
4	3/8"-16 x 1" Transmission crossmember to frame bolts
4	3/8" Flat washers
4	3/8"-16 Nylon lock nuts
1	7/16"-13 x 1" Transmission mount bolt
1	7/16" Flat washer
8	3/8"-16 x 1" frame bracket to frame bolts
8	3/8" Flat washers
8	3/8"-16 Nylon lock nuts
2	1/2"-13 x 4" Engine mount to frame bracket bolts
2	1/2"-13 Nylon Lock Nuts
8	10mm-1.5 x 25mm (Allen head) engine mount to block bolts

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. Next, 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 in place and everything is correctly fitted.



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

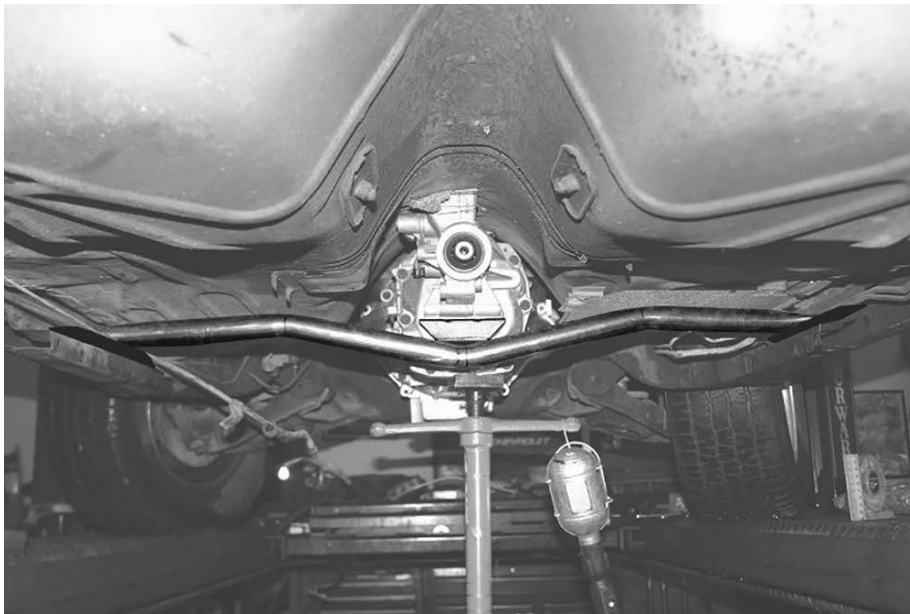


Loosely mount the engine mounts and frame mounts on the engine prior to installation.



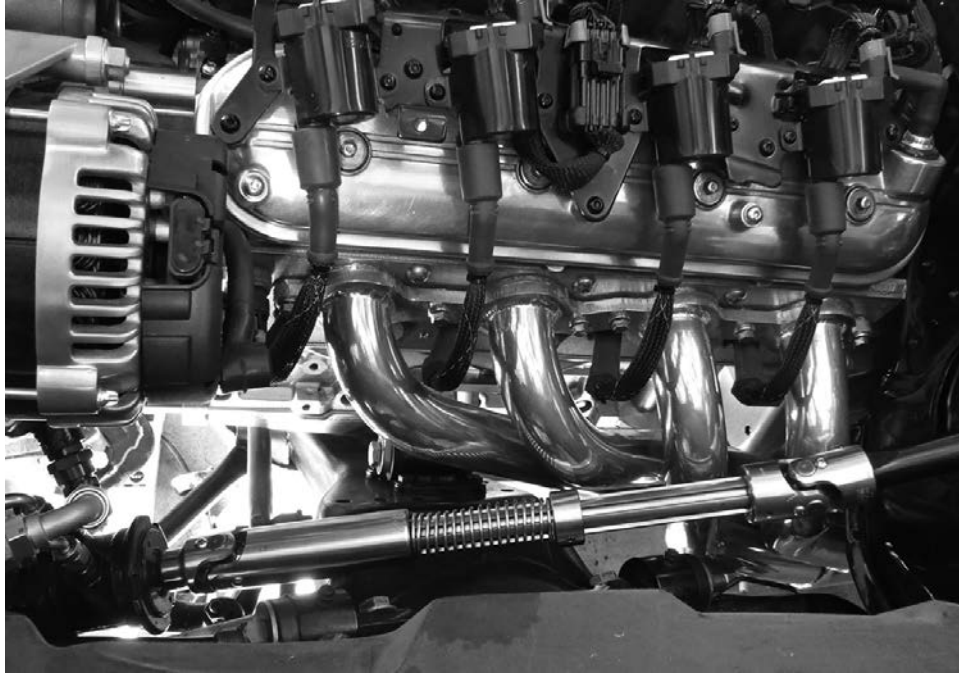
Step 2:

If using any transmission other than original or 4L60E you will need to mount these new crossmember brackets to the frame. Locate your engine and transmission with the engine mounts and then add these on the frame at the same height as originals.



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 any spacer plates and the provided preload plate between the mount and the transmission (this preloads the polyurethane mount). Slide the transmission crossmember onto the crossmember brackets and bolt the mount loosely to the crossmember using the 7/16"-13 x 1" bolt and the 7/16" flat washer.



Step 4:

After making sure everything is properly aligned and installed correctly, 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, transmission crossmember to bracket bolts and brackets to frame bolts.

Finished -

Road test your vehicle and familiarize yourself with the new LS power. After the first test drive recheck all bolts to make sure they are tight. Contact us if you have any questions or need assistance during the installation.



Thank you for using MuscleRods products - proudly made in the USA!

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