



Detroit Speed
 LS Engine Adapter Kit
 P/N: 060406DS

The Detroit Speed LS Engine Adapter Kit will provide you with an ideal mounting solution for the LSx conversion into your vehicle. **NOTE:** The engine mount stands, and the engine placement will be the responsibility of the installer.



| Item # | Description | Quantity |
|--------|-------------------------------------|----------|
| 1 | Engine Mount Adapter Plate, LH & RH | 2 |
| 2 | Polyurethane Engine Mounts | 2 |
| 3 | M10-1.5 x 30 Countersunk Bolt | 2 |
| 4 | M10-1.5 x 30 Flange Head Bolt | 4 |
| 5 | M10-1.5 x 20 Flange Head Bolt | 4 |
| 6 | M10-1.5 x 40 Flange Head Bolt | 2 |
| 7 | 7/16"-14 x 3-3/4" L Hex Head Bolt | 2 |
| 8 | 7/16"-14 Hex Nut | 2 |
| 9 | 7/16" Flat Washer | 4 |
| 10 | 7/16" Lock Washer | 2 |
| 11 | Instructions | 1 |

| Fastener Torque Specifications | |
|--|------------------|
| Application | Torque (ft./lbs) |
| Adapter Plate to Engine Block (Aluminum Block) | 25 |
| Adapter Plate to Engine Block (Cast Iron Block) | 35 |
| Engine Mount to Adapter Plate (Upper Bolts) | 25 |
| Engine Mount to Adapter Plate (Lower Bolt - Aluminum Block) | 25 |
| Engine Mount to Adapter Plate (Lower Bolt - Cast Iron Block) | 35 |
| Frame Stand to Engine Mount | 30 |

1. To begin installation, locate the engine mount adapter plates in the kit. The milled side of the mount will face away from the engine with the smooth side going to the block. The end of the adapter plate with the angle cut will go to the front of the vehicle.
2. To mount the engine mount adapter plate to the engine, use two M10-1.5x30 flange head bolts (#4) and one M10-1.5x30 countersunk bolt (#3) per side. Use anti-seize on these bolts. On aluminum engine blocks, torque the bolts to 25 ft./lbs. and on cast iron blocks, torque to 35 ft./lbs.
3. The engine mount will be installed next. Use two M10-1.5x20 flange head (#5) bolts in the top of the mount and one M10-1.5x40 hex head bolt (#6) in the bottom of the mount. Torque the upper bolts into the adapter plate to 25 ft./lbs. For the lower bolt, torque to 25 ft./lbs. on an aluminum block and 35 ft./lbs. on a cast iron block. Again, use anti-seize on these bolts.
4. Once everything is positioned correctly on the frame and engine, attach the engine to the frame using two 7/16"-14x3-3/4" L hex head bolts (#7). Use the provided flat washers (#9), lock washer (#10) and the hex nut (#8) to tighten everything in place. Torque these bolts to 30 ft./lbs.

If you have any questions before or during the installation of this product, please contact Detroit Speed at tech@detroitsspeed.com or 704.662.3272

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