

**READ ENTIRE INSTALLATION GUIDE BEFORE BEGINNING THIS INSTALLATION**

These mounts are designed specifically for installing an LS engine into 1975-81 Chevy Camaros/Firebirds that have clamshell-style pads bolted to sub-frame.

This is a complex engine swap project that may require cutting, drilling or other modification to the vehicle. There are many installation factors to consider when performing this engine swap and exact steps may vary from project-to-project. This installation guide offers general instructions for the proper installation of the engine mounts only. For further details regarding any other aspect of the engine swap, we recommend the use of a published how-to guide, dedicated to the engine swap project you are about to perform. This is an advanced user project. If you're uncomfortable with any aspect of it, we suggest you consult with a certified mechanic.

The brackets included in this kit are shipped with temporary black finish to protect them from corrosion while awaiting installation. This finish is not intended to be the final finish. Thoroughly clean these components to the bare metal before applying any final coating or paint finish.

**THIS KIT CONTAINS**

1pr. Engine Brackets
1pr. Rubber mount Pads
2pc. 7/16"-14 x 5" Hex Head Bolts
2pc. 7/16"-14 Nylon Insert Locknuts
4pc. 7/16" Flat Washers
8pc. 10mm-1.5 x 30mm Hex Head Bolts
8pc. 3/8"-16 x 1" Hex Head Bolts
8pc. 3/8"-16 Nylon Locknuts

*This installation guide assumes the engine & transmission have already been removed from the chassis.*

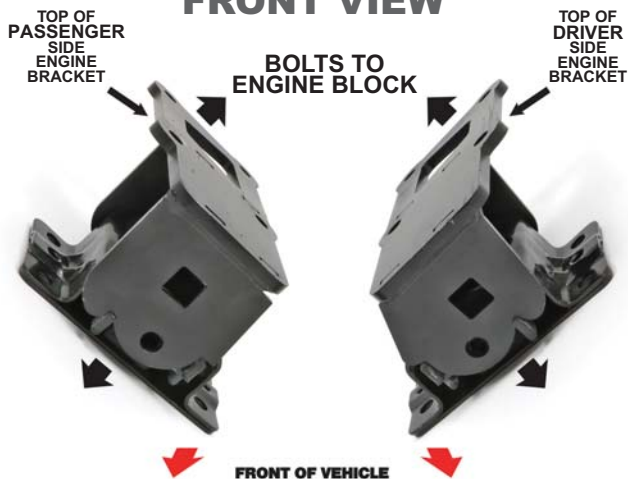
1. Remove any mounting brackets or pads from the LS engine block to be installed.
2. Remove the factory clamshell-style pads from the sub-frame, making note of the holes used to attach them to the sub-frame. The new pads in this kit will use the same mounting holes.
3. Using four (4) 3/8"-16 x 1" hex bolts and locknuts per side, attach the rubber pads to the sub-frame. The two top mounting bolt holes on the frame mount pad are separated more than the bottom two bolt holes. When bolting the mount pad to the K-member make sure the wider bolt pattern is at the top (see ill. A).
4. Using four 10mm x 30mm bolts on each side, loosely bolt the engine block brackets to the LS engine to be installed. When installed correctly, the pad mounting ears are positioned to the front of the vehicle, the four block mounting holes are to the rear, and the step in the engine block bracket plate is on the top (see ill. B and C).

**Illustration A**



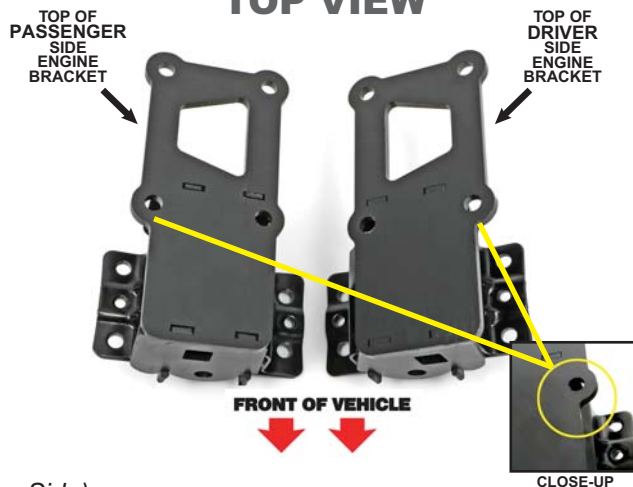
**Illustration B**

**FRONT VIEW**



**Illustration C**

**TOP VIEW**



(Continued On Reverse Side)

## Page 2

Illustration D



5. With the engine (or engine and transmission) securely suspended by an engine hoist and Trans-Dapt Engine-Tilter™ (or similar load leveling device), carefully lower the LS engine into the chassis until the through bolt holes on the engine brackets align with the through-bolt holes in the mount pads already installed on the k-member. When aligned, loosely connect each engine block adapter plate to the engine pad using a 7/16"-14 x 5" bolt, 2 flat washers and nylon lock nut, all included with this kit (refer to ill. D).
6. Inspect the engine's position to ensure proper alignment. If the engine is satisfactorily positioned, tighten all engine bracket, sub-frame mount pad and 5" connector bolts and nuts.
7. You may now unhook the engine from the engine hoist.
8. The engine mounting portion of your LS project is now complete.

## #4203 MOTOR MOUNT KIT COMPATIBILITY

While this mount kit *may* be compatible with competitive brand headers, this LS engine swap mount kit was designed in conjunction with, and intended to be installed with, Hedman Hedders' # 68720 series of LS into 70-81 Chevy Camaro/Pontiac Firebird headers (*applicable header numbers: 68720, 68723, 68726, 62720, 62723 and 62726*). Trans-Dapt Performance Products cannot guarantee a successful installation of your LS engine if these mounts are installed using any headers, other than the Hedman models noted here.