



# PART # 68310, 68316, 68318 INSTRUCTION SHEET SMALL BLOCK CHEVY 305-350

**CAUTION!** This is a custom designed exhaust header system, designed for this particular application (s). Do not bend, bang, cut, dent, drill or heat any portion of this header! Any alteration other than those suggested in this instruction sheet will void the Hedman Lifetime Guarantee!  
To prevent leaks, install your headers using Hedman Heddgers exhaust gaskets ONLY and a spray copper gasket sealant.

**BEFORE STARTING INSTALLATION:**  
It is necessary to raise the vehicle at least 36 inches from the ground. A floor hoist is recommended, if not available, use a hydraulic floor jack with jack stands. **DO NOT USE A BUMPER JACK!**

### INSTALLATION INSTRUCTIONS:

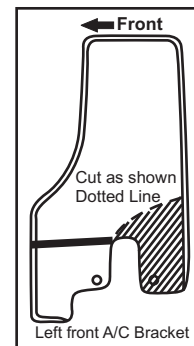
**NOTE:** Disconnect battery to prevent electrical system damage. Also remove all spark plugs (Number wires), head pipes, starter, torque converter inspection cover (automatic only) and stock exhaust manifolds.

#### RIGHT SIDE:

1. Relocate right brake line to top of crossmember.
2. Starting from below, work header up through chassis and into position. **NOTE: On some models, it may be necessary to raise the engine 1" or 2". If the engine must be raised, go on to the left side portion of this sheet, perform steps 1 and 2 at this time, and then lower the engine and retighten the motor mount bolts.**
3. Position header gasket and start the header bolts. DO NOT SECURE BOLTS.
4. Install starter by sliding it between the bellhousing and the header. It will be necessary to purchase a longer battery cable and install so that it is routed along engine and through motor mount to battery. **NOTE: Install starter wires with header loose.**
5. Re-install the torque converter and spark plugs and tighten all header bolts evenly.

#### LEFT SIDE:

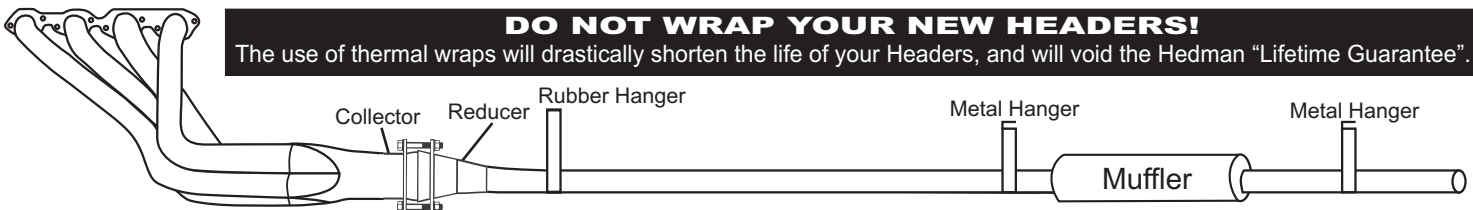
1. Remove spark plugs (Number wires), dipstick tube, clutch linkage and pivot ball (manual trans models) and stock exhaust manifold.
2. Starting from below, work hedder into position, raise engine if necessary. See #2 above.
3. With gaskets in place, install header, tighten all bolts evenly.
4. Replace spark plugs, oil filter, and clutch linkage.
5. Straighten out lower bend in dipstick tube and remove mounting tab.
6. If vehicle is equipped with air conditioning, remove the stock bracket. If equipped with the long A/C compressor, use Hedman's A/C bracket part #20110. If equipped with the short rotary type A/C compressor, remove bracket and modify to clear header tube and use front bolt hole only (**see illustration**). **NOTE:** Retain the original frontbolt from stock manifold. Space out to reconnect A/C and P/S.
7. Make sure that there is adequate clearance between headers and transmission cooling hoses, brake and fuel lines, and electrical wires, reroute as necessary.
8. Connect battery, start engine and check for leaks. Take vehicle for a test drive allowing engine to reach normal running temperature. After test drive, retighten all bolts. **NOTE:** Now available with smog manifold.



**ENJOY YOUR HEADERS WHILE COMBINING INCREASED FUEL ECONOMY WITH BETTER PERFORMANCE.**

### SPECIAL INSTRUCTIONS!

After installing your headers, it is very important that your exhaust system be suspended properly. As indicated in the drawing below, you must place hangers as close to the header collector as possible. Rubber hangers should be used to allow the front of the system to flex with the engine torque. A hanger is needed before and after the muffler (s). When your exhaust system is unbolted from the header collector, it should remain suspended all by itself. Your Headers Are Not designed to support your exhaust system. Failure to follow these instructions will most likely result in cracks around the area where your primary tubes and collector are welded together, and will nullify your "Lifetime Guarantee".



**DO NOT WRAP YOUR NEW HEADERS!**  
The use of thermal wraps will drastically shorten the life of your Headers, and will void the Hedman "Lifetime Guarantee".

**WARNING:** Removal of catalytic converters and other factory air pollution control devices is illegal. We recommend you adhere to your state's local laws. Our testing indicates performance is not significantly affected by these devices.