



INSTRUCTION SHEET

**PART #s 83278, 89270, 89273
89276, 89278**

**1980-95 2WD/4WD FORD 1/2, 3/4 & 1 TON
Trucks, Bronco with 351W 5.8L Engine**

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:

1. Disconnect battery, spark plugs (Number wires), and oil dipstick tube.
2. Disconnect exhaust head pipes and exhaust manifolds.

LEFT SIDE:

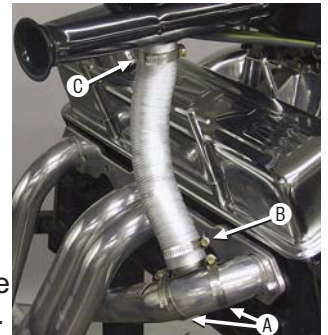
3. On 4WD models, drop the front drive shaft and push aside.
4. With gasket in place, install header from bottom of engine. Start all header bolts, and tighten evenly, starting with the inner bolts and working outward.

Note: To work header into place on Broncos with 4 speed transmission, remove the two bolts holding clutch linkage to bell housing and let linkage hang free until header is in place.

5. Re-install front drive shaft, dip stick tube and spark plug wires. On some models it may be necessary to bend the dipstick tube, brake or fuel lines to gain adequate clearance.

RIGHT SIDE:

6. Remove air cleaner.
7. With gasket in place, install header and start header bolts. Tighten evenly, starting with inner most bolts and working outward.
8. Replace spark plug wires and air cleaner.
9. Make sure all hoses, brake and fuel lines have sufficient clearance.
10. (see photo to right) Attach the hot air adapter to the header tube by straddling each of the tabs with a worm gear clamp. **A** Attach the flexible hose to the adapter tube just installed on the header with a clamp. **B** Attach the other end of the flexible hose to the air cleaner housing using a worm gear clamp. **C** If needed, use the adapter cone provided with the headers that fits the hot air port on your truck's air cleaner housing.
11. Install the 3-bolt header reducers onto the header collectors, and modify your exhaust system to connect to your Hedman Heddgers. Once completed, tighten all exhaust system fasteners.
12. Start engine, test drive vehicle, allowing engine to gain normal operating temperature. Check for leaks and new or unusual noises. After test drive allow engine to cool and re-tighten all fasteners.



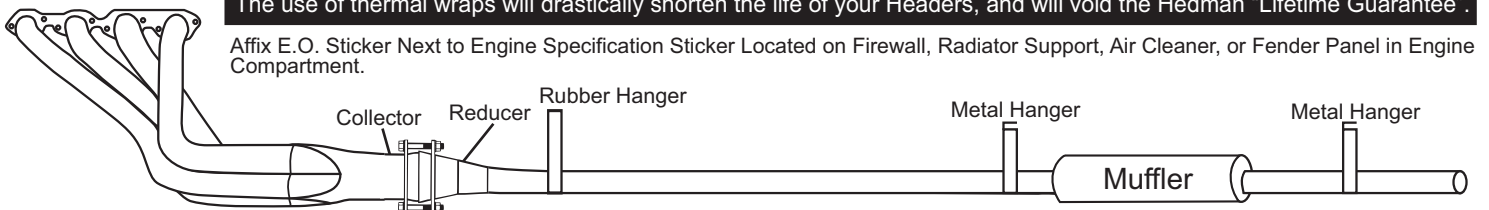
(Example shown on Chevy engine.)

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.