



INSTRUCTION SHEET
PART # 82710 & 82716
#88714, 86714 (Stepped models)
FULL LENGTH Hedders
 4.6 Liter 3V (SOHC) 2005-10 Mustang
 Off Road Use Only!

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 Hedders 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!**

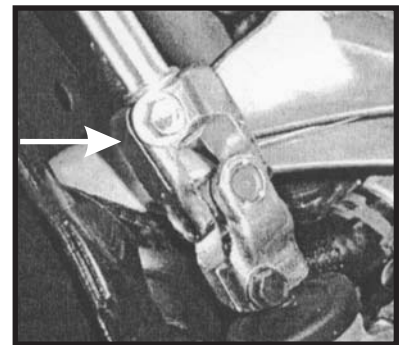
WARNING! Breaking in an engine with ceramic-coated headers **WILL** result in damage to the coating and will **VOID** all warranties. Ceramic-coated headers require several heat cycles to fully cure before they will withstand extreme heat. Hedman Hedders recommends using a cast-iron exhaust manifold or an old header to break in new engines to avoid coating damage.

INSTALLATION INSTRUCTIONS:

1. Disconnect battery cable to prevent damage to your electrical system.
2. Carefully remove the O2 sensors from factory H-pipe (label each sensor to locate later).
3. Remove the factory H-pipe.

LEFT SIDE:

1. Remove oil dip stick and tube (1 bolt on engine), set aside.
2. Remove stock exhaust manifold and exhaust studs (use a 5mm socket over the end of the stud to remove).
3. With front wheels straight forward and steering column in the locked position, Remove the upper bolt on the steering shaft at the rack and pinion (**see Photo**).
4. Using a small amount of force, separate the steering shaft apprx. 1/2" to clear. Universal joint allows the header, clearance to be put up in place.
5. With gasket in place carefully maneuver the header from below into place. (Hedman recommends use of a light coat hi-temp gasket sealer both side of gasket). With bolts in place tighten evenly to secure header.
6. Re-install the dip stick and tube with the spacer provided in kit.
7. Re-install the O2 sensors in header. Use the extension wires and connectors supplied.
8. Reconnect the steering shaft into the coupler. Slide steering shaft into the socket replace the bolt and tighten.



RIGHT SIDE:

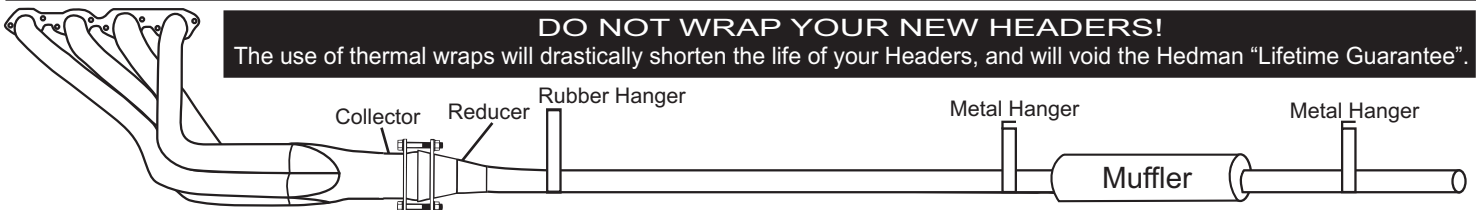
1. Remove starter and set aside.
2. Remove stock exhaust manifold and exhaust studs (use a 5mm socket over the end of the stud to remove).
3. With gasket in place carefully maneuver the header from below into place. (Hedman Hedders recommends use of a light coat hi-temp gasket sealer both side of gasket). With bolts in place tighten evenly to secure header.
4. Re-install the O2 sensors in header use the extension wires and connectors supplied.
5. With header reducers supplied (ball & socket) cut and reconnect the stock H-pipe.
6. Reconnect battery and start engine, check for engine codes, leaks and unusual engine noise.
7. Check to see that you have sufficient clearance, from all electrical wires, brake lines & fuel lines. Check for any loose or misplaced vacuum hose, which if not connected can set off code lights in computer.
8. Take vehicle for a test drive allowing engine to reach normal operating temperature. After test drive is complete allow the engine to cool and re-tighten all header bolts.

This system is for off-road purposes only not legal for street use. For racing purposes Hedman Hedders makes a matching X-treme Equalizer System connects from the end of the headers to your existing muffler system part # 18860.

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".



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.