



**PART # 82700 & 82706
INSTRUCTION SHEET
FORD MUSTANG 2005-10
4.6L 3V (SOHC)
STOCK REPLACEMENT
50 STATE LEGAL**

CAUTION!

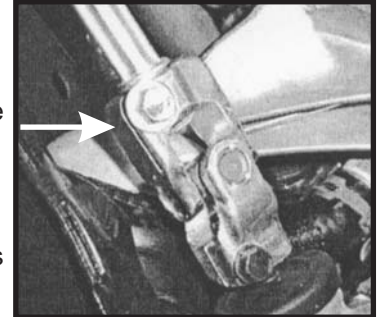
This is a custom designed exhaust hedder system, designed for this particular application (s). Do not bend, bang, cut, dent, drill or heat any portion of this hedder! Any alteration other than those suggested in this instruction sheet will void the Hedman Lifetime Guarantee!
To prevent leaks, install your heddners using Hedman Heddners 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 cable to prevent damage to your electrical system!
2. Carefully unplug the O₂ sensor from the stock exhaust manifolds, and the stock H-Pipe assembly. Unbolt the H-Pipe & set aside.
3. With the front wheels straight forward and the steering wheel locked, carefully remove the upper bolt on the steering shaft at the rack and pinion. With as little pressure as possible separate the steering column from the upper part of the steering U-joint about 1/2" up and back to disengage shaft from U-joint (see photo to right).
4. Remove the dipstick, dipstick tube, and starter from the vehicle.
5. Using a 13mm wrench, remove the nuts from the stock manifold studs. Some of the studs may come out. Using a 5mm hex head, remove any studs still left in the heads. (Save all stock nuts and studs as they will be reused on hedder install.)
6. Remove the stock manifolds from underneath the vehicle. Carefully remove the O₂ sensors from stock manifolds.
7. Although it is not necessary to remove the motor mounts, installation will be greatly eased by doing so. (If motor mounts are removed, make sure to support the engine with a jack and remove one side at a time.)



Right Side & Left Side

8. Using anti-seize, install previously removed exhaust studs into top row of both left & right cylinder heads.
9. Install previously removed stock nuts onto studs about one turn only.
10. The heddners are notched so you can install the hedder & gasket using a small amount of silicone Hi temp. Sealer on both sides of the gasket. W/ gasket attached to hedder carefully raise up into the slots on top row of hedder under the nuts attached to studs.
11. Before you tighten upper nuts, install remaining studs in to the cylinder head. With hedder in place, start the remaining nuts onto studs.
12. Tighten all the nuts now. Start from the center and work your way out until all nuts are tight.
13. If motor mounts were removed, reinstall at this time back onto vehicle and tighten back to factory torque specs.
14. Be extremely careful and install the O₂ sensors, using anti-seize compound on threads into right and left side of heddners.
15. Install starter motor reroute electrical wire over the A/C lines & insulate w/ heat shield. (Caution do not wrap hedder to insulate!)
16. Install H-pipe assembly starting at the exhaust insert bolts but leave loose. Now raise the end which bolts to heddners align and tighten, complete by tightening the back of system to exhaust.
17. Install the oil dip stick tube using spacer supplied. (slight modification may be required.)
18. Carefully plug in O₂ sensors previously unplugged, there should be 4! Make sure the wires are clear of the exhaust system.
19. Reconnect battery and start engine, check for engine codes, leaks and unusual noise.
20. Check for sufficient clearance on all wiring, brake lines, tranny lines, etc.
21. Take vehicle for a test drive allowing engine to reach normal operating temperature. After complete, allow engine to cool and retorque all fasteners.

IF HEDDERS ARE COATED USE THE INSTRUCTIONS SUPPLIED!

ENJOY YOUR HEDDERS WHILE COMBINING INCREASED FUEL ECONOMY WITH BETTER PERFORMANCE.

DO NOT WRAP YOUR NEW HEDDERS!

The use of thermal wraps will drastically shorten the life of your heddners, 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.