



# PART # 78030, 78036 & 78038

## INSTRUCTION SHEET

### DODGE & PLYMOUTH 361-440 ENGINES

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 vehicle lift is recommended. If not available, use a hydraulic floor jack with jack stands. **DO NOT USE A BUMPER JACK!**

#### INSTALLATION INSTRUCTIONS:

##### LEFT SIDE:

1. Disconnect the negative cable on the battery. Remove stock exhaust manifold, spark plugs (Number wires), and clutch linkage (If manual).
2. Drain radiator and remove studs from heads (left side only).
3. Remove starter and center bolt from motor mount.
4. Raise engine approximately 3" (not required on all models).
5. With gasket in place, install header from bottom of engine compartment area. Leave loose.
6. With engine raised and header loose, replace starter.
7. Lower engine and replace center motor mount bolt.
8. Remove header bolts. We recommend the use of sealant on threads of all bolts to prevent coolant leakage. Install header bolts and of all bolts to prevent coolant leakage. Install header bolts and tighten down evenly.
9. Models with automatic transmission (column shift) see illustrations A&B (not required on all models). Models with manual transmission, see illustration C.
10. Check power steering hoses and automatic transmission cooler lines (if equipped) for adequate clearance. Re-route as necessary.

##### RIGHT SIDE:

11. Remove stock manifolds and spark plugs (Number wires).
12. Install hedder from bottom of engine compartment area.
13. With gasket in place start all header bolts. The use of sealant on threads is also recommended here. Tighten all bolts evenly.
14. It may be necessary to install longer plug wires for the two rear spark plugs on each side to eliminate burning (silicone recommended).
15. Check all lines, linkage, and hoses for sufficient clearance.
16. Refill radiator, connect battery, replace spark plugs and connect complete exhaust system.
17. Take vehicle for test drive, allowing engine to reach normal running temperature, then re-tighten header bolts.

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

#### ILLUSTRATIONS

Illustration A

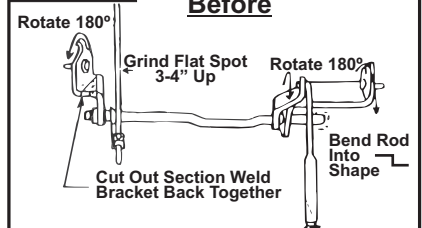


Illustration B

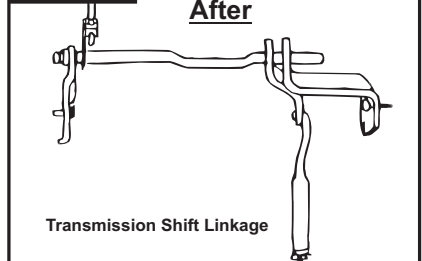
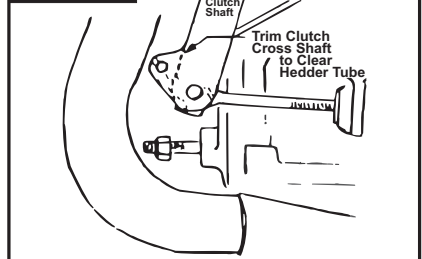
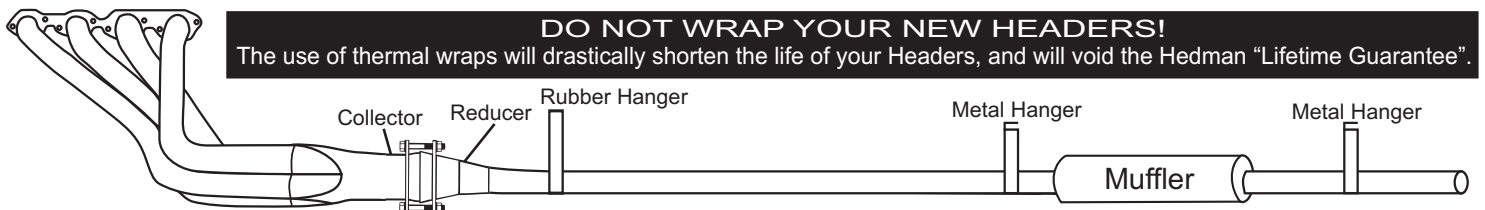


Illustration C



#### 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 void 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.

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