



**PART # 89160 & 89166**  
**INSTRUCTION SHEET**  
 302 - 351W ENGINES  
 1975-91 FORD VAN

**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. Remove engine cover, disconnect battery and cable at starter.
2. Remove air cleaner, hot air tube and oil dipstick and tube.
3. Remove exhaust cross over and exhaust head pipes.
4. Remove exhaust manifolds.
5. Clean any dirt, grease or old gasket material from heads.
6. Remove all spark plugs.
7. Install headers from bottom of the engine. With gaskets in place start all header bolts on each side. Notch gasket if necessary. Tighten down all header bolts evenly.
8. Replace starter cable.
9. Replace dipstick tube.

**NOTE:** On some applications a slight bend may be necessary to clear header.

10. Connect headers to exhaust system.
11. Replace and reconnect all parts which were removed or disconnected.

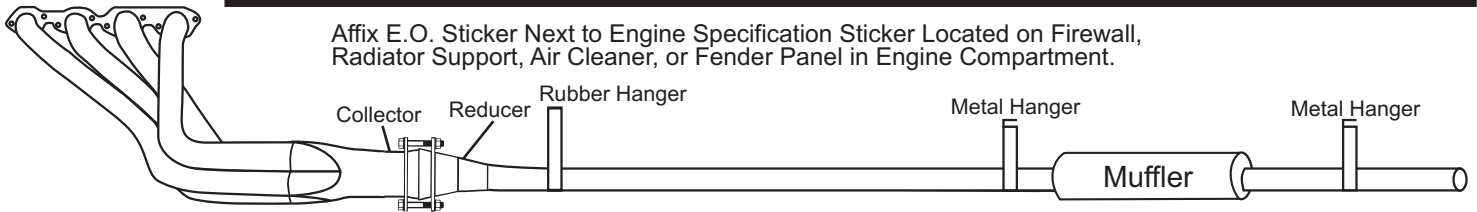
**NOTE:** On automatic transmission models, remove shifting linkage which is on the side of the transmission and relocate to opposite side of arm.

12. Make sure all brake and fuel lines and electrical wiring have adequate clearance.
13. Re-connect battery.
14. Start engine, test drive vehicle, allowing engine to gain normal operating temperature. Check for leaks and new or unusual noises. After test drive, re-tighten all header bolts.

**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:** Not applicable or intended for street or highway use. Legal only for racing vehicles which may never be used upon a public highway.

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