

HEADER INSTALLATION INSTRUCTIONS

D6648Y

1980-87 Ford F-150, F-250, F-350 5.0 & 5.8 2 or 4WD



This product is Not legal for Street or Off Highway use in California or in states that have adopted California Emissions Regulations and is only intended for Closed Course Competition use, except 1965 and Older US manufactured California Certified vehicles, 1967 or older US manufactured Federally Certified vehicles, or 1967 and older Foreign manufactured vehicles which may have any aftermarket add-on or modified part installed as long as the vehicle can still meet the tailpipe emission standards for the year of the vehicle and retain any original or retrofit crankcase control (PCV) devices and NOx device required for the year of the vehicle.

PerTronix® thanks you for choosing **DOUG'S HEADERS**, the best fitting, highest quality header on the market. In order to realize the full potential of our good fit, please read and understand these instructions completely prior to starting work.

Check to make sure you received the proper parts for your application. The header number will be stamped on the engine flange. If you are unsure you have received the proper parts call before you start work.

Be sure to work safe! Whenever you work under the vehicle be sure that it is located on level, solid ground and is supported by adequate safety stands! **Remember: Hot asphalt will not support most jack stands!**

Many factors affect the installation of headers, some of which are broken or aftermarket motor mounts, accidents that impact the configuration of the frame, and/or the installation of different engines or aftermarket cylinder heads.

Attention Customers breaking in new engines: Due to the extreme heat generated during the break-in process, the appearance of the ceramic coating may be altered in certain areas. The protection characteristics and thermal barrier properties of the coating is never compromised. It is recommended that a cast iron manifold or old set of headers be used for this process.

Notice: The coating of these headers can be marred or scratched during installation. If the header needs to be returned and is damaged, you will be charged for recoat.

DISASSEMBLY

1. Disconnect the negative battery cable from the battery.
2. If a car lift is not available, raise the vehicle 2 feet or higher and support with adequate safety stands. Make sure the vehicle is on a flat solid surface and is stable.
3. Remove the spark plug wires and spark plugs.
4. Unbolt the exhaust pipes from the stock manifolds. Remove the manifolds.
5. Manual Trans trucks, remove the clutch linkage.
6. Remove the starter.
7. Remove the Dip Stick tube.
8. On 4WD models, remove the front drive shaft from the front axle.
9. Clean the cylinder heads of any leftover gasket material or built up carbon.

INSTALLATION

1. Starting from below, raise the driver's side header into position. You may find it easier if lift the engine approximately 1".
2. Using the supplied gasket, header bolts and washers, bolt the header to the head. Tighten the bolts to 35 ft/lbs evenly starting from the center and working out.
3. From below, slide the passenger side header into place.
4. With the gasket in place install the header bolts and washers. Tighten the bolts to 35 ft/lbs evenly starting from the center and working out.
5. If you raised the motor, lower it and tighten all bolts.
6. Replace the starter, dip stick tube, clutch linkage, and front driveshaft.
7. Bolt the reducers to the headers and modify exhaust to connect to headers.
8. Connect the negative battery cable.

IMPORTANT CHECK LIST

- Be sure that all brake lines and fuel lines are clear of headers and/or connector pipes.
- All spark plug wires, battery cables, or other electrical components should be clear of headers and/or connector pipes.
- Double-check the tightness of all bolts including brackets and accessories.

STARTING THE ENGINE

Start the engine and allow it to warm up to operating temperature. Check for any unusual noises or exhaust leaks. If every thing is OK, stop the engine and tighten all bolts while the engine is still warm.

NOTE: Check the bolts periodically to make sure they have not loosened. Re-tighten after the first 500 miles and then again at 1000 miles.

PARTS LIST

Qty	Description
1	Left Side Header
1	Right Side Header
2	Header Gaskets
2	Reducers
2	Collector Gaskets
16	3/8 X 1" Header Bolts
22	Lockwashers
6	3/8-16 x 1 1/4" Hex Head Bolts
6	3/8-16 Hex Nuts