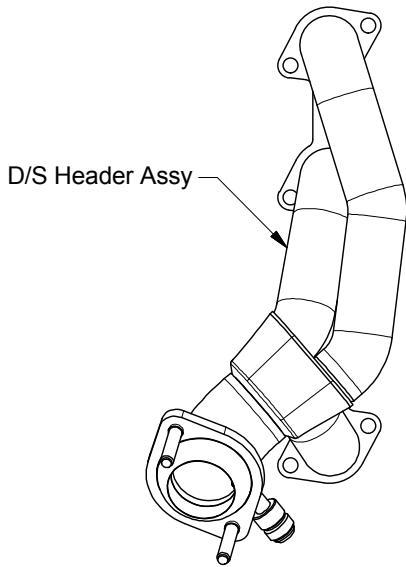


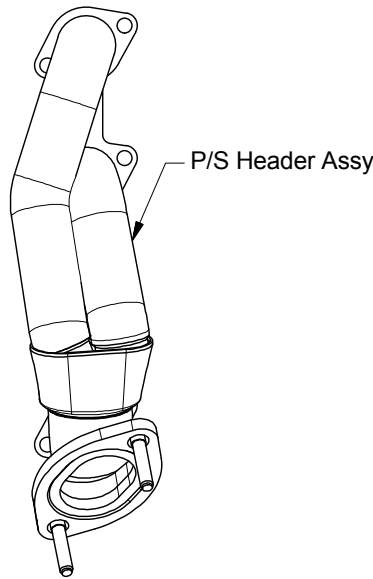
1999 - 2004 Ford Mustang 4.6L Short Tube Headers

Parts List:

1. D/S Header Sub Assy.
2. P/S Header Sub Assy.
3. [16] Header Bolts.
4. [2] Nut Hex M10-1.50
5. [2] Washer
6. [2] Manifold Gaskets
7. [1] Flange Gasket



D/S Header Assy



P/S Header Assy

Warning: When working on, under, or around any vehicle exercise caution. Please allow the vehicle's exhaust system to cool before removal, as exhaust system temperatures may cause severe burns. If working without a lift, always consult vehicle manual for correct lifting specifications. Always wear safety glasses and ensure a safe work area. Serious injury or death could occur if safety measures are not followed.

Step 1: (Carefully read all instructions before installation) Disconnect the battery. Unbolt the air intake at the airbox intake by loosening the retaining band clamp, Fig # 1. Remove strut lower brace, Fig # 2. This will allow you to rotate the engine for easier access. Disconnect the O2 sensor plugs, Fig # 3. Using a 14mm socket loosen the clamps attaching the "H" pipe assembly, Fig # 3. Unbolt the "H" pipe flanges at the catalytic converter assemblies with a 15mm socket. Unbolt the O2 sensors in front of the catalytic converters with a 7/8" wrench, Fig # 5. The "H" pipe converter assembly may now be removed. When disengaging the steering shaft first mark both the shaft and the universal joint to ensure alignment on re-assembly, Fig # 6. Remove the retaining bolt using a 13mm socket and uncouple the steering shaft. Before removing the motor mount nut support the engine with a jack, Fig # 7. Using a 21mm socket remove the motor mount nut, Fig # 8. Unbolt the EGR coupling at the OEM header using a 27mm wrench, Fig # 9. The header nuts are now accessible, remove all eight with a 1/2" socket, and remove the studs with a 5mm socket. The header may now be removed, Fig # 10.



Fig # 1



Fig # 2



Fig # 3

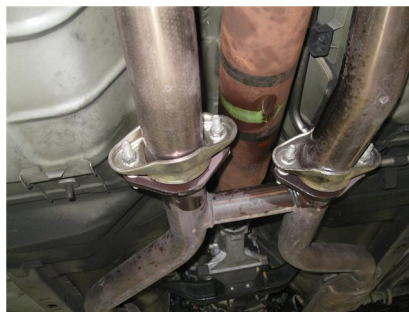


Fig # 4

**** Magnaflow Performance Exhaust recommends professional installation on all their products**

Step 2: To install the new drivers side header align the bolt holes with the new header. Use the supplied gasket and header bolts to secure to the manufacturers torque specifications. Install the EGR coupling and the O2 sensors. The engine may need to be raised with the jack for added clearance. Reinstall the motor mount bolt and reconnect the steering shaft, be sure to align the marks you previously made.

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Fig # 5

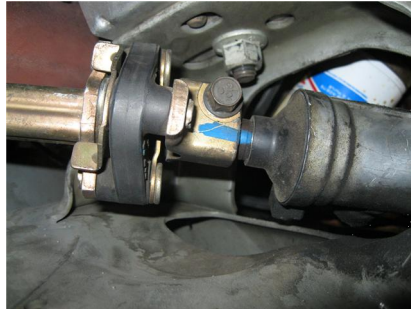


Fig # 6



Fig # 7



Fig # 8



Fig # 9



Fig # 10



Fig # 11



Fig # 12

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Step 3: To remove the passengers side header assembly you will need to remove the starter motor. Unbolt using a 13mm socket and remove the three bolts, Fig # 11. Next, remove the motor mount bolt using the same method as the drivers side. The remaining removal process is the same as the drivers side. Remove the header nuts and studs, Fig # 12, then disconnect the O2 sensors to remove the header.

Step 4: Installing the passengers side header assemblies is essentially the same as the drivers side. Install the rear header assembly first with the supplied gasket and secure using the supplied header bolts to the manufacturers recommended torque specifications. Next, install the motor mount bolt, replace the starter motor and check both headers for clearance. Reconnect the OEM O2 sensors. Fasten each header assembly to the OEM catalytic converters and "H" Pipe assembly using the supplied hardware. Reattach the strut lower brace.

Step 5: With all components mounted loosely, adjust the system for overall aesthetics and clearance of frame & bodywork. (MAGNAFLOW recommends at least 1/2" of clearance between the exhaust system and any body panels to prevent heat-related body damage or fire.) Install the air intake and reconnect the battery.

Step 6: Once a final position has been chosen for the new system, evenly tighten all fasteners from front to rear. The supplied band clamps must be VERY tight to properly align the pipes and prevent leaks. Inspect all fasteners after 25-50 miles of operation and retighten if necessary.

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