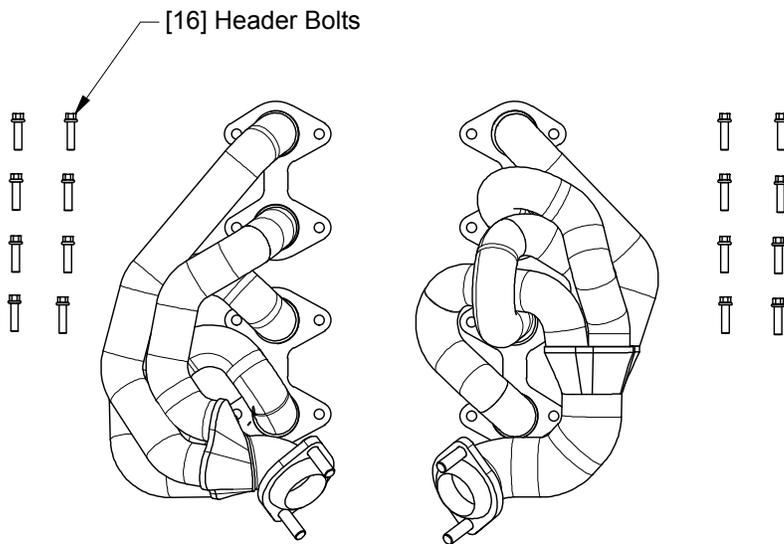


2005 - 2010 Ford Mustang 4.6L Short Tube Headers



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 clamps, Fig # 1. This will allow you to rotate the engine for easier access. Disconnect the O2 sensor plugs, Fig # 2. Using a 15mm socket loosen the clamps attaching the "H" pipe assembly, Fig # 3. Unbolt the "H" pipe flanges at the catalytic converter assemblies. Unbolt the O2 sensors in front of the catalytic converters with a 7/8" wrench, Fig # 4. Disengage the welded hangers from the rubber insulators. The "H" pipe converter assembly may now be removed. Unplug the O2 sensor coupling for the header. When disengaging the steering shaft first mark both the shaft and the universal joint to ensure alignment on reassembly, Fig # 5. Remove the retaining bolt using a 13mm socket and uncouple the steering shaft. Before removing the motor mounts support the engine with a jack, Fig # 6. Using a 13mm socket remove the four bolts to the engine block. Unbolt the 15mm nut to the vehicle sub frame. The motor mount may now be removed for clearance, Fig # 7. 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 # 8.

Parts List:

1. D/S Header Sub Assy.
2. P/S Header Sub Assy.
3. [16] Header Bolts.
4. [2] Manifold Gaskets.

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

Step 2: To install the new drivers side headers identify and lay out the two subassemblies to ensure correct orientations. Install the D/S header assembly. Use the supplied gasket and header bolts to secure to the manufacturers torque specifications. Install the P/S front in a similar fashion. The engine may need to be raised with the jack for added clearance. Reinstall the motor mount and reconnect the steering shaft, be sure to align the marks you previously made.

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Fig # 1.



Fig # 2.



Fig # 3.



Fig # 4.



Fig # 5.



Fig # 6.



Fig # 7.



Fig # 8.

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Step 3: To remove the passengers side header assembly you will need to remove the starter motor. Unbolt using a 10mm socket and remove, Fig # 9. Next, remove the motor mount using the same method as the drivers side, there is a ground wire attached that needs to be removed, Fig # 10. The remaining removal process is the same as the drivers side, disconnect the O2 sensors and remove the header.

Step 4: Installing the passengers side header assemblies is essentially the same as the drivers side. Remove the header studs. Install the rear header assembly first with the supplied gasket and attach loosely using the supplied header bolts. Then install the front header assembly in the same fashion. Next, install the motor mount and attach the ground wire. Replace the starter motor. Check both sets of headers for clearance. Reconnect the OEM O2 sensors. Fasten each header assembly to the OEM catalytic converters and "H" Pipe assembly using the existing hardware, Fig # 11.

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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Fig # 9.



Fig # 10.



Fig # 11.

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