



**Jeep Wrangler (TJ)  
2000-2006 4.0L L6 engine**

**92003FLT & 92003-1FLT**

**NOTE: Read all instructions carefully before attempting the installation.**

Thank you for making FLOWTECH HEADERS your choice in a high-performance exhaust system. Extensive dyno/street/track testing has enabled FLOWTECH to offer the most advanced design in headers for your application. Proper installation and maintenance will ensure long life and maximum performance from your FLOWTECH exhaust system.

**WARNING! Breaking in a new engine with ceramic-coated headers WILL result in damage to the coating and will VOID all warranties.**

**PARTS INCLUDED:**

- Header (**92003FLT** – Black painted or **92003-1FLT** – Ceramic Coated)
- Header gasket

**RECOMMENDED TOOLS:**

Flat Head Screwdriver	1/2" & 9/16" Wrench	15mm & 18mm Wrench
12mm, 15mm, & 18mm Socket	3/8" or 1/2" Ratchet	3/8" or 1/2" Swivel Socket Adapter
Oxygen Sensor Wrench	Tie Straps	Jack Stands
Jack	Engine Hoist	

**BEFORE STARTING:**

Place the vehicle in an adequately lit and ventilated location where the floor is solid and flat. DO NOT work on a hot engine. Heat causes metal to expand and makes the removal of fasteners more difficult. Please be sure to wear the proper safety equipment; eye goggles and gloves are recommended to ensure a safe installation.

1. Disconnect the battery cables from the battery to prevent electrical damage. Raise the front end for access to the exhaust manifold flanges. **DO NOT DEPEND ON A JACK!** Use jack stands and block the tires to safely support the vehicle.
2. Spray WD-40® or equivalent rust penetrating lubricant on all accessible fasteners and fittings before removing them.
3. Loosen the hose clamps securing the breather hose and air intake tube. Remove the breather hose and air intake tube.
4. Remove the serpentine belt by taking the load off the belt tensioner pulley.
5. Remove the (3) bolts securing the power steering pump to the intake manifold and move the pump out of the way. **IMPORTANT: DO NOT** disconnect the power steering pump lines.
6. While under the vehicle, disconnect the (2) after cat oxygen sensors from the wire harness. Remove the (4) bolts securing the catalytic convertor down pipes to the exhaust manifold and the (3) nuts at the outlet. Remove the catalytic converter down pipes.
7. Using an engine hoist, suspend the engine from the engine bay to prevent it from dropping. The driver's side motor mount will need to be removed.
8. Remove the (3) bolts securing the driver's side motor mount bracket to the engine block.
9. Remove the nut and bolt securing the driver's side motor mount bracket to the motor mount. Remove the motor mount bracket.
10. Remove the (2) nuts and bolts securing the driver's side motor mount bracket to the chassis. Remove the motor mount.
11. Disconnect the front and rear oxygen sensors at the wire harness.

12. Suspend the intake manifold to the engine hoist with tie straps. The intake manifold shares the same bolts and washers with the exhaust manifold.
13. Remove the (9) bolts/washers and two nuts/washers securing the stock exhaust and intake manifold to the engine.
14. Remove the intake manifold off the pins by wiggling out and away from the engine. Suspend slightly up and then remove the stock exhaust manifold from under the vehicle.
15. Remove the intake/exhaust manifold gasket.
16. Carefully remove the front oxygen sensor from the stock exhaust manifold (using an O2 wrench) and install onto the front O2 sensor bung on the new Flowtech® header.
17. Repeat same process for the rear oxygen sensor.
18. Remove the (4) clip-on nuts from the stock exhaust manifold and install onto the new Flowtech® header collector flange.
19. Make sure that cylinder head ports and surface are free of any dirt/debris. Install the supplied Flowtech® header gasket, Flowtech® header, and intake manifold back onto the cylinder head using the (9) original bolts/washers and (2) nuts/washers. Do not tighten at this point.
20. Tighten the (9) bolts/washers and (2) nuts/washers from step 19 starting from the middle and working your way out.
21. Plug the front and rear header O2 sensor wire to the correct wire harness plugs and ensure the wires have ample clearance from the new header.
22. Install the motor mount and motor mount bracket using the hardware outlined in steps 8-10.
23. Install the catalytic converter down pipes using the original hardware outlined in step 6.
24. Plug the front and rear oxygen sensor wires back to the correct wire harness plugs.
25. Secure the power steering pump using the (3) bolts outlined in step 5.
26. Reinstall the air tube and breather hose using the hose clamps outlined in step 3. Reinstall the serpentine belt.
27. **RE-CHECK ALL OF YOUR WORK.**
28. Remove the vehicle from the jack stands. Reconnect the battery cables, making sure all connections are secured.
29. Start the engine and allow it to come to normal operating temperature. Check for leaks. Shut the engine off and allow it to cool down.
30. Recheck all the connections to ensure they are secure. Give the vehicle a test drive, checking carefully for any new noises. After several days of driving, check connections and re-tighten all bolts.