



## **SWS PART # 440-0015, 440-0017, & 440-0018**

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

**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.

### **BEFORE STARTING:**

Your vehicle must be raised a minimum of 36 inches. A floor hoist is ideal. If no hoist is available we strongly urge the use of axle stands as a safety measure. This is a shorty header designed for maximum ground clearance on vehicles.

**CAUTION!** Your car should not be supported on a bumper jack prior to installing headers, take the time to make a careful and complete header fitting into your vehicle properly.

1. Place the vehicle in an adequately lit 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. 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. Remove the spark plugs and wires.
3. Remove the dipstick and tubes.
4. Unplug the O2 sensors at the back of the engine.
5. Loosen the clamps on the catalytic converter pipes at the rear of the pipes.
6. Disconnect the O2 sensors at the transmission.
7. Remove the flanged nuts at the collectors of the stock manifolds.
8. Remove the exhaust manifold bolts. The driver's side manifold can come out the top and the passenger's side manifold will be removed from the bottom.
9. Remove the stock gaskets and make sure to clean the head surface.
10. Remove the bolt on the steering U-joint at the rack and pinion shaft. Slide the shaft up into itself to make clearance.
11. Position the headers on the head from below. Install the factory hardware to hold in place.
12. From above, install the supplied gaskets and reuse factory hardware. Tighten all bolts.
13. Remove the stock studs in catalytic converter pipe sections.
14. Position the catalytic converter pipes into the rear barrel clamps and up to the header.
15. Reconnect all four O2 sensor plugs.
16. Reinstall the steering shaft to the rack and pinion shaft.
17. Reinstall the dipstick tube and dipstick.
18. Reinstall the spark plugs and wires.
19. Reinstall the engine cover.
20. Reconnect the battery.
21. At this point, you will need to attach your exhaust.
22. Start the engine and let it warm up. Check for leaks. Shut the engine off and let it cool down. Check to make sure all connections are tight.
23. When finished with the installation, give your vehicle a test drive checking carefully for any new noises. After several days of driving, retighten all the bolts.