



## 1998-2002 LS-1 Camaro/Firebird Installation Instructions

Thank you for your purchase, we appreciate your business.

Do not attempt this installation if proper safety equipment isn't available to you. Seek the assistance of a professional installer.

**Kooks** LS-1 headers install from underneath the vehicle, raising and securing the vehicle with jack stands is a must if a lift is not available.

To install these headers you will need only the general assortment of hand tools. But you will also want to have on hand, the following; Four jack stands, one hydraulic jack, a gasket scraper, anti seize, WD-40 also, surgical gloves, and safety glasses.

It's a good idea to spray the WD-40 to help loosen the connections and fasteners at this time. While the lube is doing its job, we can start the installation.

- #1—Disconnect the negative battery terminal, then remove the dipstick and tube by removing the 15mm bolt that holds the tube to the head.
- #2—Remove the spark plug wires, and the spark plugs. You will find it much easier to Remove the rear spark plugs on both sides, from underneath after you raise the vehicle. Remove two 10mm bolts from the air tubes on the exhaust manifolds. Unclip the plastic clamps on the check valves, remove check valves with the air tubes.
- #3—Raise the vehicle, and secure with jack stands. The vehicle will need to be raised 24 in. off the ground
- #4—Unplug front and rear oxygen sensors, but remove only the rears at this time. *The location of each sensor. They must be reinstalled in the same location.* Remove the passenger side coil pack. Next remove the oil filter.

**Kooks Custom Headers – 141 Advantage Place. Statesville, NC 28677**

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- #5—Remove the manifolds and the complete exhaust system. *If being reused, the cat back may be left in place.* If you are changing the complete exhaust system, remove the fasteners that hold the muffler assembly in place. (See step 10) With the old system on the ground, you can then remove the two front O2 sensors
- #6—With care, inspect and clean the exhaust port surfaces using a gasket scraper. These heads are aluminum. Proceed with caution.
- #7—***Coat the threads of the oxygen sensors with anti seize and install them into the Kooks headers,*** tighten them completely at this time. Slide the headers up and into position from under the vehicle. Note the drivers side may seem not to want to go up and onto the motor, but if you have the vehicle high enough so that the header is completely vertical, you will find that there is a pocket where the header will go into place. A little twisting of the header inwards towards the cylinder head will allow the header to align with the exhaust ports. Attach the headers and gaskets with two of the 13mm header bolts from the installation kit, but do not tighten them.
- #8—Reconnect the front O2 sensors. Put a small amount of anti seize on the threads of the O2
- #9—Install remaining header bolts, but do not tighten them.
- #10—Install the Kooks ‘Y’ pipe using the hardware and clamps provided.  
You can now tighten the complete assembly after checking that every thing is properly aligned. ***Exhaust tips centered, and the “Y” pipe properly aligned in the tunnel.***
- #11—Connect the rear oxygen sensor extension harnesses using the remaining two harnesses in your kit.
- #12—Reinstall the dipstick and tube along with the spark plugs and wires. Double check all wiring, brake, and fuel systems for proper clearance, then lower the vehicle and reconnect the battery.

You have just installed the finest exhaust system you can buy, enjoy it.

**If additional assistance is needed, please contact Kooks Custom Headers  
Toll free at 1-866-586-KOOK or contact your dealer.**

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