



Kooks Custom Headers 2006-2009 Trail Blazer SS Installation instructions

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

Kooks Trail Blazer headers install from **underneath** the vehicle on the drivers side, and **above** on the passenger side. Raising and securing the vehicle with jack stands is a must if a lift is not available.

To install this system you will want to have a general assortment of hand tools. But you will also want to have the following, four jack stands, one hydraulic jack, a block of wood, a gasket scraper, anti seize, WD-40, surgical gloves, and safety glasses.

It's a good idea to spray the lube 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 battery first thing, then remove the following; air intake filter, windshield washer fluid container, coil pack, A/C line brackets, oil dipstick, the spark plugs and wires. *The rear spark plugs on both sides are best removed from underneath.* Now you can remove the passenger side exhaust manifold.
- #2—Raise the vehicle and secure with jack stands. The vehicle will need to be raised 24 inches off the ground.
- #3—Mark the locations of, and remove the four oxygen sensors from the factory exhaust pipes, and just let them hang. Remove the heat shielding along the drivers side chassis with a ½ wrench, 5/16 bolt.

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- #4—Remove the ‘Y’ pipe nuts from the manifold to flex pipe connections. *Do not attempt to remove the “Y” pipe at this time.*
There are **two** cross members that need to be removed. To remove the front cross member under oil pan, remove ten 15mm bolts, six 1 ½ inch long and four 1 in. long. This will give better access for the header installation. Now rotate the bottom of the cross member up and back, while pulling towards you on one side, and pushing back on the other.
- #5—Remove the six 13mm bolts from the OEM exhaust manifold on the drivers side, pull the manifold up towards the hood and leave it there for now. It will be removed from the bottom.
- #6—Support the transmission with the jack and a block of wood. To remove the transmission cross member, unclip the plastic clips holding the wiring along the transmission cross member and remove eight 15mm and four 18mm fasteners from the cross member, and two more 15mm bolts from the center of the transmission mount. Now you can remove the cross member. Also remove the belly pan located just forward of the cross member by removing four 13mm bolts.
- #7—Push the ‘Y’ pipe up towards where the manifold was, while pulling the flex pipe side down, and remove from under the vehicle.
Now you can remove the exhaust manifold out the bottom, and at this time reinstall the transmission cross member and tighten all fasteners except for the two center transmission mount bolts.
- #8—With care, inspect and clean the exhaust port surfaces using a gasket scraper. Proceed with caution, these heads are aluminum.

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- #9—Remove the four 15mm nuts from both side motor mounts, and raise the motor approximately two inches, using the block of wood. Slide the passenger header in from above, at the same time prying the transmission to the left approximately $\frac{1}{2}$ inch. Once the header drops in, install the gasket and all the header bolts, but do not tighten at this time. Lower the motor then reinstall the motor mount bolts and the last two transmission mount bolts.
- #10—To install the drivers side header, remove four 11mm bolts from the front of the front driveshaft, use caution so you don't knock off the end caps of the universal joint. *Use tape around the caps to keep them secure.* Now just move the shaft to the right.
- #11—Install the header from underneath, place the gasket and header bolts in place, but do not tighten at this time. Install the rear oxygen sensor into the passenger side of the **Kooks** “Y” pipe and tighten it. Install the passenger side of the “Y” pipe first. *It's the longer of the two sections.* Loosely start the bolts into the collector flange. Then place a 3inch clamp on the expanded side of the “Y” pipe. Install the driver's side section of the “Y” pipe into the header, check all clearances, and double check that every thing is centered. Now you can tighten all fasteners. Replace the front drive shaft, the remaining oxygen sensors, the belly pan, the rear spark plugs and the wires.
- #12—Lower the vehicle, reinstall the remainder of the spark plugs and wires, the oil dip stick, A/C brackets, the coil pack, windshield wiper fluid container, and the air intake filter. Lastly reconnect the battery.

You have just installed the finest exhaust system you can by, enjoy it.
Thank you for your purchase, we appreciate your business.

**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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