

Longtube Headers 1999 Corvette

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Install Guide. This is not a direct set of instructions, but guidelines to help you along the way with your installation. Huron Speed Products, LLC is not liable for anything that may occur to you, your vehicle, or your system from use or installation of this system.

- 1.) Disconnect negative cable from battery.
- 2.) Remove Oil Fill cap and Fuel Rail Covers
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00030.jpg>
- 3.) Remove spark plug wires from coil packs, simply pull out.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00031.jpg>
- 4.) Having another buddy to tackle one side of the engine bay while you tackle the other is very beneficial/time saving if you can trust their work!
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00037.jpg>
- 5.) Disconnect connection on both coil packs.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00034.jpg>
- 6.) Remove bolts connecting coil pack brackets to valve covers (10mm)
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00035.jpg>
- 7.) Remove coil packs on brackets from the valve covers.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00039.jpg>
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00043.jpg>
- 8.) Remove oil dipstick tube on passenger side. (10mm bolt on manifold)
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00048.jpg>
- 9.) Disconnect AIR fittings from manifolds on both sides.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00046.jpg>
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00049.jpg>
- 10.) Remove the accessory belt
- 11.) Remove alternator from bracket (2 large bolts) set alternator aside
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00075.jpg>
- 12.) Safely raise vehicle leaving enough room to work under.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00050.jpg> If you do not have access to a lift, refer to owner's manual for proper instructions on lifting your Corvette.
- 13.) Remove 3 nuts/bolts on each side connecting the stock H-Pipe to the manifolds
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00051.jpg>
- 14.) Remove the 2 bolts holding the stock H pipe up to car
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00053.jpg>
- 15.) Remove O2 sensors in the H pipe, leave harnesses connected
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00055.jpg>
- 16.) Remove 2 bolts per side connecting stock H pipe to your catback
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00057.jpg>

- 17.) Support the H pipe while you remove the last 2 bolts connected to the spring mounts which will allow the h pipe to be removed
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00058.jpg>
- 18.) Remove the H pipe
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00061.jpg>
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00064.jpg>
- 19.) Disconnect O2 sensors at the ends of each stock exhaust manifold
- 20.) Now move back to the top of vehicle in engine bay
- 21.) Remove 10mm bolts connecting the manifolds to heads
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00047.jpg>
- 22.) Remove stock exhaust manifolds out the top
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00068.jpg>
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00073.jpg>
- 23.) Now is a great/easy time to remove sparkplugs if you choose install new ones at this time.
- 24.) Your stock exhaust system is now removed!
- 25.) Move back under the vehicle
- 26.) Remove the 2 bolts holding starter to the block on the passenger side along with the 2 nuts holding the electrical connections.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00070.jpg>
- 27.) Outside of the car, install your O2 sensors into the new headers and X-pipe with a dab on Anti-Seize on the threads.
- 28.) Slide your new Longtube Headers up into place from the bottom. It helps to have one person feeding them up from the bottom and someone guiding them up from the engine bay. *It is a tight squeeze, so try a few different angles and may have to give it some muscle. Also there are a couple wires and a ground strap that may hold you up, so make sure you don't get hung up on these. Sometimes removing the ground straps on both sides helps, just reattach to the block after the headers are in place
- 29.) Check your header clearances here first and make sure you have clearance in the tight areas to the steering shaft on the driv. Side and your AC Line on the pass. Side. If the clearance is tight, you can make a tiny dimple to gain clearance if you like, or you can use a file to trim away some material as well. Be extra sure to check these clearances first before tightening the system down with the 1 7/8" primaries as the larger primaries make clearances tighter!
- 30.) With headers sitting up near the engine, but not bolted up yet, slide the starter back in over the passenger side header. Reconnect both connections on the starter and bolt back to the block. If you tighten the header down, you will not be able to fit the starter back in around the header. This is also a good time while the headers are nearly in place but loose to connect your O2 sensor wiring. No extensions are needed for these, but you may have to remove the connector from the clip on the chassis to gain a little extra slack.
- 31.) Up in the engine bay, install new exhaust manifold gaskets and bolt down your new longtube headers reusing stock bolts or new ones.

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<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00090.jpg>
- 32.) Back under, Install X-pipe with provided hardware to the longtube headers
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00095.jpg>
- 33.) Install intermediate pipes from the X-pipe to your catback using the supplied exhaust band clamps.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00106.jpg>
- 34.) Reinstall bolts that connect the exhaust mounts to the body up front and the spring mounts towards the rear. Bolt the intermediate pipes to your catback.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00103.jpg>
- 35.) Back up near the headers, make sure no wiring or anything is resting on the headers, if so tie anything away with a zip tie or the like. Make sure any connections such as ground straps you removed get re-connected. Double check all clearances, especially if using 1 7/8" primaries as they can be tight. If you need some room to the steering shaft, using the blade of a sawzall or hack saw, you can work a little room in there with the header installed. Your exhaust is complete underneath!
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00100.jpg>
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00101.jpg>
- 36.) Move back up top to the engine bay.
- 37.) Reconnect AIR fittings if you have not done so already.
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00089.jpg>
- 38.) Reinstall Alternator and connections
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00087.jpg>
- 39.) Reinstall accessory belt
- 40.) Install new sparkplugs if you have decided to change them
- 41.) Reinstall coil packs to the valve covers along with spark plug wires
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00092.jpg>
- 42.) Reconnect the coil pack connection on each side
- 43.) Reconnect negative terminal on battery
- 44.) Double check everything to make sure all is tight and nothing is missing/disconnected.
- 45.) Reinstall Fuel Rail covers
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00112.jpg>
- 46.) Fire up car, check to make sure all gauges read normal, oil pressure if you changed the oil at this time as well.
- 47.) **Minimal smoke will most likely be coming from the engine bay and exhaust pipes, this is very normal as the grease and oils from your hands during the installation are burning off**
- 48.) It is a good measure to go back over all connections and make sure all is tight after a heat cycle as the 321 Stainless is VERY tough stuff and will expand/shrink with heat cycles loosening your connections.
- 49.) Safely put your Corvette back on the ground!
<http://i291.photobucket.com/albums/l1309/Superman99ta/DSC00113.jpg>
- 50.) Enjoy your new found power and exotic sound!

<http://www.youtube.com/watch?v=qQFFZG76d2w>
<http://www.youtube.com/watch?v=8akDpb-um3k>