

2005 SLP Long Tube Headers, Mustang GT

PACKING LIST *Before installation, use this check list to make sure all necessary parts have been included.*

ITEM	QTY	CHECK	PART NUMBER	DESCRIPTION
1.	1	<input type="checkbox"/>	300416785C	Driver Side Header
2.	1	<input type="checkbox"/>	300416784C	Passenger Side Header
3.	2	<input type="checkbox"/>	312362800	Header Gasket
4.	16	<input type="checkbox"/>	950080796	M8-1.25 x 25mm Bolt
5.	2	<input type="checkbox"/>	020402295	12" O2 Sensor Extension, Front
6.	2	<input type="checkbox"/>	020402294	20" O2 Sensor Extension, Rear
7.	1	<input type="checkbox"/>	*****	Instructions

WARNING: SLP recommends allowing the vehicle to cool (not running) for five hours before beginning the installation. SLP recommends wearing safety glasses for the complete installation.

WARNING: To avoid the chance of electrical shock or damage to your vehicle's electrical system, disconnect both the negative and positive battery leads (in that order) at the battery.

NOTE: These headers and x-pipe were designed to work as a system and will install without any cutting or fabrication. Use of these headers or x-pipe with another manufacturer's headers or x-pipe/h-pipe may require cutting and fabrication and SLP cannot guarantee compatibility.

INSTALLATION INSTRUCTIONS - #M30005

1. Raise the vehicle to allow for a sufficient work area underneath the vehicle. A vehicle lift will make this installation much easier; however, raising the vehicle can be accomplished using ramps or a jack with jack stands.
2. Disconnect the wires from all the oxygen sensors.
3. Un-bolt the stock H-Pipe from the stock manifolds and loosen the band clamp to stock cat back.
4. Remove the stock H-Pipe.
5. Remove the oxygen sensors from your stock h-pipe and install them in the new SLP X-Pipe while access to them is easier. Be sure to reinstall the sensors in the same locations as in the original h-pipe. The front oxygen sensors will be installed in the header collectors.

6. Remove the bolt retaining the driver side of the steering rack and loosen the bolt on the passenger side. See photo below for steering rack bolt locations.



INSTALLATION INSTRUCTIONS CONT. – #M30005

7. Completely remove the steering column intermediate shaft pinch bolt from the coupler on the steering rack. See photo below for bolt location.



8. Rotate the rack towards the front of the vehicle to slide the intermediate shaft coupling off of the steering rack and let it hang straight down out of the way.

9. Remove the bolt retaining the dipstick tube and remove the dipstick tube.

10. Remove the 8 nuts on the driver side exhaust manifold and remove the manifold. Do not be concerned if some of the studs come out with the nuts, as you will need to remove all 8 manifold studs from the cylinder head anyway. Repeat this entire procedure on the passenger side.

11. Remove the gaskets and any remaining manifold studs. The studs have a 5mm hex head on the end.

12. Repeat steps 9 and 11 above to remove the passenger side manifold.

Header Installation:

Note: Before beginning header installation take some of the header bolts, coated with a suitable lubricant, and thread one into each of the holes to assure proper thread engagement. Some may be too tight to thread in by hand. This is normal, but light effort with a wrench should allow them to thread in easily.

13. **Note:** Install the 2 FRONT 12" Oxygen Sensor Extensions to the vehicle at this point and let them hang down as access is limited when the long tubes are in place. You may need to trim the locating tabs off of the connectors on the oxygen sensor for them to plug into the extensions properly. This is because not all of the connectors have the tabs located in the same positions. Make sure all wires are routed clear of any exhaust or moving parts to avoid damage to the wires. It may be necessary to use tie wraps to hold the wire harness away.

14. Insert both headers from the underside of the vehicle.

15. Hold a gasket in place on the driver side cylinder head and thread the most forward and reward bolt through the header and into the cylinder head.

16. Raise the front of the driver side header into place. Insert the upper forward most bolts through the flange and the gasket and thread it into the cylinder head.

17. Install the remainder of the header bolts hand tight.

18. Torque all the header bolts to 18 ft/lbs starting at the upper rearmost bolt and working forwards while alternating between the upper and lower bolts.

19. Repeat steps 15 through 18, for the passenger side header.

20. Reinstall the dipstick and torque the retaining bolt to 89 in/lb. Make sure the oil seal is present and in good condition to avoid potential oil leaks.

21. Reinstall the steering column intermediate shaft onto the steering rack and torque the coupler pinch bolt to 18 ft/lbs.

22. Install and tighten both bolts onto the steering rack mount that were taken out and loosened in step 6.

X-pipe Installation:

23. Slide a band clamp over the inlet (notched) end of one of the catalytic converters, and then slide the inlet over the end of the collector on one of the headers. The side of the converter with the heat shield should face upward towards the floor pan of the vehicle. Loosely tighten the clamp. Repeat this procedure on the other header.

For the Race X-Pipe (M31535) just insert the supplied Race Pipes in place of the catalytic converters.

24. Slide a band clamp onto each side of the inlet (notched) end of the x-pipe assembly and slide the whole assembly onto the converter outlets. Loosely tighten the clamps.

25. Connect the rear of the SLP X-Pipe to the stock cat-back utilizing the stock band clamp.

26. Connect the 20" oxygen sensor extensions to the rear oxygen sensors then to the vehicle.

INSTALLATION INSTRUCTIONS CONT. – #M30005

27. Review photo below for proper installation.



28. Start the vehicle and inspect for leaks.

29. Double-check all fasteners and clearances after test driving.
Adjust as necessary.