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PART #M30007

2011 Mustang GT, Long Tube Headers

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"/>	300416786C	Driver Side Header, coated, 2011 Mustang
2.	1	<input type="checkbox"/>	300416787C	Pass Side Header, coated, 2011 Mustang
3.	2	<input type="checkbox"/>	310134001	Catalytic Converter, 3", Bullet, High Flow
3.	2	<input type="checkbox"/>	310610311	Extension Pipe,Cat-to-X, 2011 Mustang
4.	1	<input type="checkbox"/>	310610312	Crossover Pipe, Powerflo-X, 2011 Mustang
5.	2	<input type="checkbox"/>	310301306	Muffler, Bullet
6.	2	<input type="checkbox"/>	310610313	Overaxle Pipe, Front, 2011 Mustang
7.	1	<input type="checkbox"/>	310610314	Overaxle Pipe, Rear DS, 2011 Mustang
8.	1	<input type="checkbox"/>	310610315	Overaxle Pipe, Rear PS, 2011 Mustang
9.	11	<input type="checkbox"/>	940080011	Bolt,M10-1.50X30mm Flange Head
10.	11	<input type="checkbox"/>	940080012	Bolt,M10-1.25X30mm Flange Head
11.	1	<input type="checkbox"/>	020402350	O2 sensor extension, Front, 4", 2011 Mustang
11.	1	<input type="checkbox"/>	020402351	O2 sensor extension, Front, 11", 2011 Mustang
11.	2	<input type="checkbox"/>	020402352	O2 sensor extension, 8", Rear, 2011 Mustang
12.	2	<input type="checkbox"/>	308305001	Clamp, Bell, 3"
12.	12	<input type="checkbox"/>	308940020	Clamp, Torca, 3"
13.		<input type="checkbox"/>	*****	Instructions

WARNING: SLP Recommends wearing safety glasses for the complete installation.

WARNING: SLP Recommends allowing the vehicle to cool (not running) for five hours before beginning installation.

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

INSTALLATION INSTRUCTIONS – #M30007

1. Remove the factory airbox.
2. 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.
3. Disconnect the wires from all the oxygen sensors and remove them from the pipes. Set aside for use later. Be sure to note which ones were in the rear and which ones were in the front.
4. Un-bolt the stock X-Pipe from the stock manifolds and remove it along with the exhaust system.
5. Re-install the rear oxygen sensors in the SLP cat-to-x extension pipes and set aside. The front oxygen sensors will be installed in the header collectors at a later time.
6. Remove the protective shielding under the vehicle along with the cross brace under the bell housing.
7. Completely remove the steering column intermediate shaft pinch bolt from the coupler on the steering rack and pull off the steering shaft. See Figure 1 below for bolt location. **DO NOT TURN THE STEERING WHEEL OR WHEELS ONCE THIS SHAFT IS TAKEN OFF!!!**



Figure 1: Remove this bolt from steering shaft

8. Remove the starter (3 bolts).
9. Place a dead-man or jack stand under the harmonic balancer. This will be used to hold up the front of the engine when removing the motor mounts in the next step.
10. Remove both the passenger and driver side motor mounts.
11. 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 6 of

the 8 manifold studs from the cylinder head anyway. Repeat this entire procedure on the passenger side. The studs that will remain in the head are the center two studs on the upper part of the cylinder head on each side (there are slots in the flanges of the SLP headers where the studs should remain in the head). Be sure to set aside 2 nuts for each side. Also set aside one additional stud and nut (apart) to use in step 17.

12. Remove the gasket and any remaining manifold studs. You will be reusing the factory MLS gaskets, so be sure to not discard or damage them.
13. Repeat steps 11 and 12 above to remove the passenger side manifold.

Note: Before beginning header installation take note of which thread pitch your header bolts are. Some models use a fine thread and some use a coarse thread. There are 2 sets of bolts (a fine and a coarse thread) included with the header kit. Be sure you are using the bolt with the correct thread pitch before installation!!!!!!!

14. Install the 2 FRONT Oxygen Sensor Extensions (longer one is DS) to the vehicle at this point and let them hang down as access is limited when the long tubes are in place. 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 wire ties to hold the wire harness away.
15. Insert headers from the underside of the vehicle.
16. Place a gasket in place on the driver side cylinder head using the two studs left in the head A couple pieces of tape to hold the gasket from falling off will help as well. Remove the tape once the header is up in place. See Figure 2.

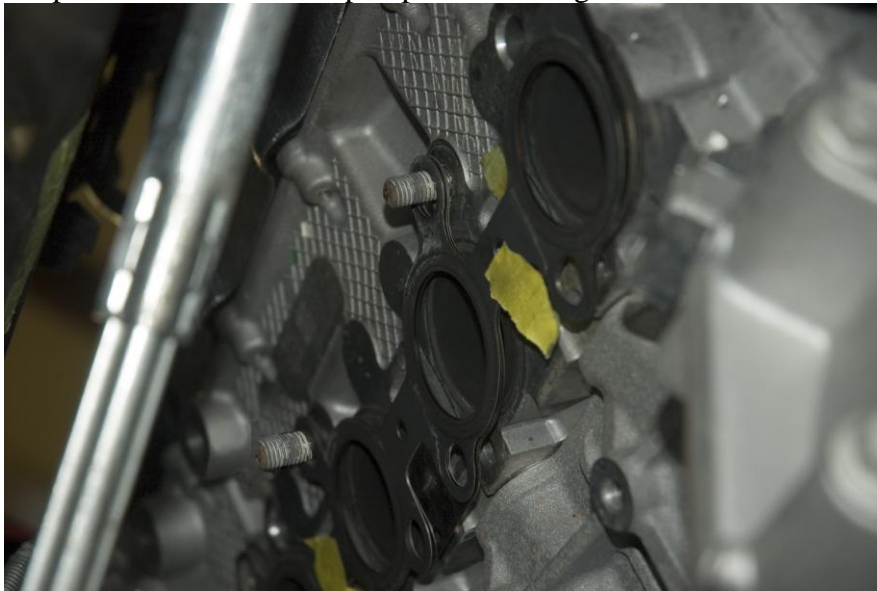


Figure 2: Taping of the header gasket (remove once header is in place)

17. Insert the stud (no nut) through the back of the flange as shown (there is a flat spot on the flange to identify which hole to place the stud in on the DS). Hand tighten the nut onto the stud. It will be fully tightened at a later time. See Figure 3 below.



Figure 3: Stud and nut inserted into DS header before installation

18. Raise the front of the driver side header into place (with the stud and nut hanging in the header). Slide the studs in the head into the slots in the flange and thread one of the supplied bolts into the lowermost hole. Be sure the gasket is lined up properly.
19. Install the remainder of the supplied header bolts hand tight along with the 2 nuts.
20. 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.
21. Repeat steps 15 through 20, for the passenger side header with the exception of step 17. You do not need to use a third stud on this side.
22. Reinstall the both motor mounts and the starter.
23. Reinstall the steering column intermediate shaft onto the steering rack and torque the coupler pinch bolt to 18 ft/lbs.
24. Install the front O2 sensors into the header collectors and connect them to the extensions hanging down.

X-pipe Installation:

25. 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. Repeat this procedure on the other header.
26. Slide a band clamp onto each side of the inlet (notched) end of the x-pipe and slide the driver and passenger cat-to-x extension pipes into the x-pipe. Loosely tighten the clamps.

27. Slide a band clamp onto each side of the notched end of the cat-to-x extension pipes and slide this assembly onto the cat outlets.
28. Slide a band clamp on each notched end of the supplied SLP Mufflers and slide into the SLP X-Pipe.
29. Slide a band clamp onto each notched end of the SLP front overaxle pipes and slide into the mufflers.
30. Slide a band clamp onto each notched end of the SLP rear overaxle pipes and slide into the front overaxle pipes.
31. Reinstall the factory (or SLP) axle-back exhaust.
32. Connect the 8" oxygen sensor extensions to the rear oxygen sensors then to the vehicle.
33. Adjust and tighten all clamps starting at the front and moving rearward.
34. Review Figure 4 below for proper installation.



Figure 4: Finished installation

35. Start the vehicle and inspect for leaks.
36. Double-check all fasteners and clearances after test driving. Adjust as necessary.
37. The installation is complete.