

1999-2006 GM Truck Shorty Headers (4.8/5.3/6.0L)

PACKING LIST - #30150

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

ITEM	QTY	CHECK	PART NUMBER	DESCRIPTION
1.	1	☐	300415782C	Coated Header, Driver Side
2.	1	☐	300415784C	Coated Header, Passenger Side
3.	2	☐	12558573	Header Gasket
4.	1	☐	12553047	EGR Gasket
5.	2	☐	12553617	AIR Gasket
6.	1	☐	312415600	Collector Gasket, Driver-Side
7.	3	☐	940414811	Bolt, 7/16-14X2"
8.	6	☐	940414810	Bolt, 7/16-14X1.75"
9.	6	☐	300570102	Nut, 7/16" Hex
10.	12	☐	940414813	Washer, 7/16" Flat
11.	6	☐	300868011	Washers, 7/16" Lock
12.	1	☐	050292002	ARB E.O. Label
13.	1	☐	*****	INSTRUCTIONS

PACKING LIST - #30151

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

ITEM	QTY	CHECK	PART NUMBER	DESCRIPTION
1.	1	☐	300415785C	Coated Header, Driver Side
2.	1	☐	300415781C	Coated Header, Passenger Side
3.	2	☐	12558573	Header Gasket
4.	1	☐	12553047	EGR Gasket
5.	1	☐	312415600	Collector Gasket, Driver-Side
6.	3	☐	940414811	Bolt, 7/16-14X2"
7.	6	☐	940414810	Bolt, 7/16-14X1.75"
8.	6	☐	300570102	Nut, 7/16" Hex
9.	12	☐	940414813	Washer, 7/16" Flat
10.	6	☐	300868011	Washers, 7/16" Lock
11.	1	☐	050292002	ARB E.O. Label
12.	1	☐	*****	INSTRUCTIONS

PACKING LIST - #30152

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

ITEM	QTY	CHECK	PART NUMBER	DESCRIPTION
1.	1	☐	300415785C	Coated Header, Driver Side
2.	1	☐	300415783C	Coated Header, Passenger Side
3.	2	☐	12558573	Header Gasket
4.	1	☐	312415600	Collector Gasket, Driver-Side
5.	3	☐	940414811	Bolt, 7/16-14X2"
6.	6	☐	940414810	Bolt, 7/16-14X1.75"
7.	6	☐	300570102	Nut, 7/16" Hex
8.	12	☐	940414813	Washer, 7/16" Flat
9.	6	☐	300868011	Washers, 7/16" Lock
10.	1	☐	050292002	ARB E.O. Label
11.	1	☐	*****	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 – #30150,30151,30152

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 all the oxygen sensor wires at the connectors.
3. Unbolt the y-pipe from both exhaust manifolds and at the y-pipe outlet flange. You will need to rotate the driver side of the y-pipe down and out of the way to allow clearance for removal of the driver side exhaust manifold from below.

Note: The 6.0L engine has a 2-piece y-pipe. You will need to loosen the clamp after the converter on the driver side pipe. Then rotate the driver side pipe down and out of the way to obtain the necessary clearance. You do not need to unbolt the converter inlet flange on the passenger side.

4. If your vehicle is equipped with Air Injection Reaction (AIR) remove the two bolts retaining the AIR tube to each exhaust manifold, loosen the clamps on the center tube located at the check valves and remove the AIR tube/check valve assembly from each exhaust manifold.

5. If your vehicle is equipped with EGR, remove the bolts retaining the EGR tube to the passenger-side manifold and move the tube out of the way.
6. Remove the bolt retaining the dipstick tube to the cylinder head and remove the dipstick tube.
7. While supporting the passenger side exhaust manifold with one hand remove all the exhaust manifold to cylinder head bolts and lift the exhaust manifold up and out of the engine compartment. Do not discard the bolts or the exhaust manifold outlet donut gasket because they will be reused.
8. Remove all the exhaust manifold bolts except the rear most bolt from the driver side manifold. Loosen the rear most bolt but leave it threaded enough to support the manifold while you switch to working from under the truck. Save the bolts.
9. Now from underneath the vehicle, remove the rear most bolt and lower the manifold down out of the vehicle. If you have not already done so move the driver side of the exhaust out of the way by rotating it down and towards the passenger side.
10. Prior to beginning installation of the new parts make sure all the gasket surfaces are clean and free of dirt and debris.
11. Place a header gasket on the driver-side header flange and insert the rearmost bolt through both the flange and gasket. Then raise the driver-side header into position from below the vehicle and start the rearmost bolt to hold the header in place while you switch to working from the top of the vehicle (under the hood). The engine mount will support the front of the header.
12. Working from above, start the remaining 7 driver-side manifold bolts and torque them in two passes, first to 11 ft/lbs then to 18 ft/lbs. Begin tightening the center two bolts first then work outward alternating from side to side. Repeat this tightening sequence for both passes.
13. Place a header gasket on the passenger-side header flange and insert the two end bolts through both the flange and gasket. Then lower the header into position from above and thread the two end bolts into the cylinder head. Install the remaining 6 bolts and torque to 18 ft/lbs in the same manner as the driver side.
14. Reinstall the dipstick tube and torque the retaining bolt to 18 ft/lb. If equipped, reinstall the AIR tubes and the EGR tube using the supplied gasket(s). Torque the AIR tube to exhaust manifold bolts to 18 ft/lbs and the EGR tube to exhaust manifold bolts to 22 ft/lbs.

4.8/5.3L:

15. Place the included ring gasket into the groove on the driver-side y-pipe flange (be sure to remove the old gasket first) and raise the y-pipe into position. Insert three 7/16-14 x 1.75" bolts and flat washers through the driver-side header collector flange with the threads facing downward. Then thread a 7/16-14 nut, a flat washer, and a lock washer onto each bolt. Leave loose for adjustment purposes.

16. Remove the old donut gasket and metal retainer from the passenger side exhaust manifold and slide it into the passenger-side header collector. The metal retainer should hold it in position. If not, bend the tabs on the metal retaining ring until it fits snug.
17. Raise the passenger side of the y-pipe into position on the passenger-side header collector making sure the donut gasket is seated properly. Insert three 7/16-14 x 2" bolts and flat washers through the driver-side header collector flange with the threads facing downward. Then thread a 7/16-14 nut, a flat washer, and a lock washer onto each bolt. Leave loose for adjustment purposes.
18. Reconnect the y-pipe outlet and torque the bolts to 30 ft/lb and torque the y-pipe to header bolts to 39 ft/lbs.

6.0L:

15. Place the included ring gasket into the groove on the driver-side y-pipe flange (be sure to remove the old gasket first) and raise the passenger side head pipe into position. Insert three 7/16-14 x 1.75" bolts and flat washers through the driver-side header collector flange with the threads facing downward. Then thread a 7/16-14 nut, a flat washer, and a lock washer onto each bolt. Leave loose for adjustment purposes.
16. The 6.0L engine does not use a donut gasket on the passenger side like the 4.8/5.3L engines. Instead it uses a ring gasket the same as the driver side. Therefore, the procedures for reconnecting the passenger side are the same as for the driver side. You may need to pry lightly on the passenger side head pipe to get the gasket in because it is still bolted to the remainder of the exhaust, but light pressure should suffice.
17. Torque the head pipe to header bolts to 39 ft/lbs.
18. Torque the clamp behind the converter on the driver side to 30 ft/lbs.
19. Reconnect the oxygen sensors.
20. Start the vehicle and inspect for leaks.
21. Double-check all fasteners and clearances after test driving. Adjust as necessary.