

**MODERATE** - Installation requires metric tools and possibly cutting and drilling. The ability to closely follow instructions is imperative. If your mechanical experience is limited to simple jobs like changing oil and rotating tires, a Moderate installation will likely prove challenging.

**ESTIMATED INSTALLATION TIME** - Installation times are for a professional installer. Times may vary based on the skill level of the installer.

**ESTIMATED INSTALL TIME** - 1.5 hrs

## PART NO. 31048

### 1997-2004 LS-1 C-5 Corvette PowerFlo Exhaust System

#### PACKING LIST

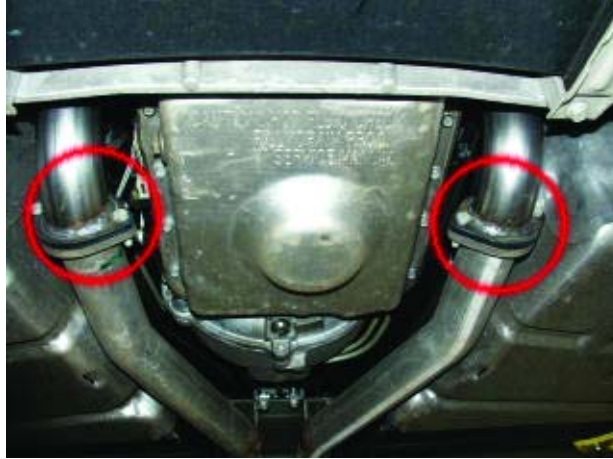
Item #	Check	Quantity	Part Number	Description
1	<input type="checkbox"/>	1	310301392	Driver Side Tailpipe/Muffler Assy.
2	<input type="checkbox"/>	1	310301391	Passenger Side Tailpipe/Muffler Assy.
3	<input type="checkbox"/>	1	310301394	Driver Side Overaxle Pipe
4	<input type="checkbox"/>	1	310301393	Passenger Side Overaxle Pipe
5	<input type="checkbox"/>	2	310301395	90 Degree Elbow
6	<input type="checkbox"/>	1	310305061	Cast Aluminum Tip
7	<input type="checkbox"/>	2	300362103	Gasket
8	<input type="checkbox"/>	6	303144380	Clamp, 2.5" Band Style
9	<input type="checkbox"/>	1	*****	Instructions

**WARNING: Exhaust system components can remain extremely hot for extended periods of time causing serious injury. Allow the vehicle to cool (not running) for five hours before beginning the installation. SLP recommends wearing safety glasses for the complete installation.**

### INSTALLATION INSTRUCTIONS

1. Disconnect the negative battery cable. 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. Begin removal of the OEM muffler/overaxle assembly by first removing the nuts on both ends of the rear sway bar links (where the sway bar attaches to the link) and loosen the u-straps that hold the sway bar to the aluminum center section. This will allow you to rotate the sway bar out of the way and facilitate passenger side muffler/overaxle assembly removal. Note: Automatic Transmission will require cutting of the over-axle pipe to remove the muffler.
3. Next remove the muffler/overaxle assembly from each side. First loosen the nuts on each rear muffler hanger all but a few threads. This can be done using a 13 mm socket on a 10" extension, between the rear edge of each muffler and the rear fascia. Then, loosen and remove the two bolts on each flange at the front ends of the overaxle pipes. While holding the muffler/overaxle assembly, finish removing the nuts on each rear muffler hanger, and carefully remove each assembly from vehicle.

4. Check to be sure there is no remaining gasket material on the outlet flanges of the dual intermediate pipes on vehicle; scrape flanges clean if necessary.
5. Reinstall the sway bar end links.
6. Identify each of the two overaxle pipes from the kit by comparing the angle of their flanges (when looking downward on them). The passenger side overaxle pipe has a distinctly greater angle between the flange and the pipe. Put each over-axle pipe up into place, and loosely install the two bolts in each flange on both sides. Reference photo 1 below.



7. Arrange both the passenger and driver side muffler assemblies so the muffler hanger on each assembly is facing upwards as it will be installed in the vehicle. Then place an exhaust clamp onto each muffler inlet and slide one of the 90 degree elbows into each one. Loosely tighten the clamps so they are snug but still allow the elbows to rotate.
8. Reinstall the driver side muffler hanger onto the vehicle.
9. Slide a clamp onto the inlet of the 90 degree elbow on the driver side muffler assembly. Raise the assembly into position, slide the hanger bracket into the rubber hanger on the vehicle and rotate the assembly into position. Slide the 90 degree elbow inlet onto the driver side overaxle pipe, slide the clamp into position and tighten snug enough to retain the assembly but allow adjustment.
10. Place a clamp onto the driver side inlet of the cast aluminum exhaust tip, slide the tip into position on the driver side muffler assembly and once again loosely tighten the clamp just enough to hold the tip in position.
11. Place the passenger side muffler hanger that was removed from the vehicle onto the hanger on the new passenger side muffler assembly. Slide a clamp onto both ends of the passenger side muffler assembly. Then raise the whole assembly into position by first inserting the assembly into the inlet of the exhaust tip then sliding the inlet of the 90 degree elbow onto the passenger side overaxle pipe. While supporting the whole assembly slide the clamps into position and tighten loosely.
12. Now position the hanger (which should still be on the hanger bracket on the muffler assembly) onto the studs on the vehicle underbody and tighten the retaining nuts.
13. Now adjust all the pipes until the tips are located as desired and all the pipes have enough clearance from all suspension, brake lines, fuel tank, driveline, and body parts.

14. Tighten all the clamps and fasteners working from the overaxle pipes back, while checking and maintaining correct tip location along the way.
15. Start the vehicle and inspect for leaks.
16. Double-check all fasteners and clearances after test driving. Adjust as necessary.