

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 - 1.4 hrs

PART NO. 31051

2003 6.0L Silverado Extended Cab Short Bed Pickup Exhaust System

PACKING LIST

Item #	Check	Quantity	Part Number	Description
1.	☐	1	310301607	Muffler
2.	☐	1	310301609	Driver Side Intermediate Pipe
3.	☐	1	310301610	Passenger Side Intermediate Pipe
4.	☐	1	310301552	Passenger Side Over-axle Pipe
5.	☐	1	310301553	Driver Side Over-axle Pipe
6.	☐	1	310301559	Driver Side Tailpipe Extension
7.	☐	2	M31039	3 1/2" Diameter Tips
8.	☐	1	310301558	3" Exhaust Clamp w/ Hanger
9.	☐	1	307398799	2 1/2" Exhaust Clamp w/ Hanger
10.	☐	1	15740212	Rubber Hanger
11.	☐	2	308144380	2-1/2" Band Clamps
12.	☐	2	308303902	2-1/2" Uni-bolt Clamps
13.	☐	2	310011793	45° Adapter
14.	☐	1	308302904	3" Exhaust Clamp
15.	☐	3	308302902	2-1/2" Exhaust Clamps
16.	☐	1	020814600	Nylon Double-loop Wire Tie
17.	☐	1	*****	Installation 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.

INSTALLATION INSTRUCTIONS

1. Disconnect the negative battery terminal. Raise and fully support the vehicle (a vehicle lift is recommended).
2. Remove the O.E.M exhaust system by first unbolting the clamp (save this clamp) that holds the driver side intermediate pipe to the muffler. Then measure 7 1/2 inches from the front of the muffler on the passenger side intermediate pipe and mark it. Using a suitable tool, such as a hack saw or sawzall, cut the pipe at the mark you just made. Next, disconnect all rubber hangers from the exhaust system leaving the rubber hangers mounted to the vehicle and remove the exhaust system.

3. Slide the new 3" driver side intermediate pipe up into place and connect it using the original clamp. Then, using one of the 3" exhaust clamps provided with the kit, connect the new passenger side intermediate pipe where the cut was made. Leave both clamps loose for later adjustment.
4. Place a 3" exhaust clamp (without hanger), included in kit, onto each 3" inlet stub of the new muffler. Put the muffler up into place, slipping it over the outlet end of each intermediate pipe fully, and engaging the rubber hanger over the hanger welded on the muffler. Tighten the 3" clamps only enough to hold the joint in place.
5. Place a 2 1/2" exhaust clamp (2-bolt) onto the inlet end of the passenger side over-axle pipe (the shorter of the two over-axle pipes). Put the pipe up into place, slipping the inlet end, with clamp, over the passenger side outlet stub on the muffler. Slide the 2 1/2" exhaust clamp with hanger onto the pipe and insert the hanger into the rubber hanger on the vehicle. Tighten the 2 1/2" clamps only enough to hold the pipe in place.
6. Install the driver side over-axle pipe in a similar fashion, but you will not need to attach the hanger as it is welded to the pipe.
7. Locate the round tubular crossbrace to which the driver side upper shock mount is attached. On the crossbrace, between the shock mount and the frame, install the 3" clamp (clamp with welded hanger) with the bent leg of the hanger down and facing outward (towards the tire), but do NOT tighten yet. Install the rubber isolator, included in the kit, onto this hanger.
8. Place the last 2 1/2" exhaust clamp onto the inlet end of the driver side tailpipe extension piece and connect it to the driver side over-axle pipe, also connecting the hanger on the tailpipe extension piece to the rubber isolator installed in step 6. Do NOT fully tighten the slip joint or hanger yet.

NOTE: Included with this system are two optional 45° adapter pipes that will allow you to position your tips at a 45° angle instead of straight back. To use these adapters, both the driver and passenger tailpipes need to be cut back 8". Then slip the adapter on and use 2 1/2" uni-bolt clamps to clamp into place.

9. Place a 2 1/2" band clamp onto each exhaust tip and install the two tips on each over-axle pipe outlet or 45° adapter. Do NOT tighten clamps yet.
10. Starting at the intermediate pipes and working rearward, adjust pipes, muffler, clamps (with hanger), and exhaust tips for proper clearances and orientation. Tighten the two clamps at the converter outlets first, working rearward tightening each clamp. Check tip alignments once all clamps are tightened. Re-adjust as necessary.
11. Lastly, using the nylon double loop wire tie, secure the rubber brake hose, which connects the chassis-side metal brake line to the splitter block mounted on the rear axle, to the emergency brake cable. This will prevent possible chafing or burning of the brake hose against the driver side over-axle pipe. Do NOT put enough tension in either loop of the wire tie that it bites into the brake hose or emergency brake cable.
12. Lower vehicle and connect negative battery terminal. Check brake line for possible contact with over-axle pipe and adjust location of the nylon double loop wire tie as necessary.