



1501 Industrial Way North, Toms River, NJ 08755
Phone: (732) 349-2109 • Fax: (732) 244-0867

PART #31054

2004-05 4.8L/5.3L Tahoe/Yukon SUV Catalyst-Back Exhaust System

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	☐	310301549	Muffler
2.	1	☐	310301615	Intermediate Pipe
3.	1	☐	310301560	Passenger Side Over-axle Pipe
4.	1	☐	310301561	Driver Side Over-axle Pipe
5.	1	☐	310301562	Passenger Side Tailpipe
6.	1	☐	310301563	Driver Side Tailpipe
7.	2	☐	50883	Exhaust Tips
8.	1	☐	15740212	Rubber Hanger
9.	1	☐	307301400	Bracket, Muffler Hanger
10.	1	☐	307301401	Bracket, Driver Side Tailpipe Hanger
11.	1	☐	308302904	3" Exhaust Clamps
12.	4	☐	30830290	2-1/2" Exhaust Clamps
13.	2	☐	308144380	2-1/2" Band Exhaust Clamp
14.	1	☐	260100100	Passenger Side Rear Brake line
15.	1	☐	260100101	Driver Side Rear Brake line
16.	1	☐	300080103	Bolt, 3/8"-16 x 1"
17.	2	☐	307080125	Bolt, 5/16"-18 x 1"
18.	1	☐	30000R	Nut, 3/8"-16
19.	2	☐	300570100	Nut, 5/16"-18
20.	1	☐	605742869	Washer, 3/8" Flat
21.	2	☐	50240	Washer, 5/16" Flat
22.	1	☐	30033B	Washer, 3/8" Lock
23.	2	☐	300868010	Washer, 5/16" Lock
24.	1	☐	*****	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 – #31054

1. Disconnect the negative battery terminal. Raise and fully support the vehicle (a vehicle lift is recommended).

2. Remove the OEM exhaust system by first unbolting the flange at the catalytic converter outlet. Next, disconnect all rubber hangers from the exhaust system leaving all the rubber hangers mounted to the vehicle, except for the muffler hanger which will be relocated. Remove the exhaust system. You will need to cut the OEM exhaust at the rear axle in order to remove it.

3. Identify the hanger bracket for the muffler. It is the one with two 5/16" bolt holes in it. Place one of the 5/16" flat washers onto a 5/16" bolt and put it through the top hole in the bracket so the threaded end of the bolt is pointing the same direction as the hanger end. Put the other 5/16" flat washer and a lock washer on the bolt and thread the 5/16"-18 nut on only a couple of threads.

4. Locate the 2" keyhole shaped holes on the inside of the passenger side frame rail near the front of the factory muffler location (See photo 1). Place the muffler hanger bracket up into position so the head of the bolt you placed in the bracket goes through the big end of the top keyhole into the frame. Make sure the washer goes inside the frame as well. Then slide the bracket towards the front of the vehicle so the bolt slides into the smaller slot and holds the bracket on the frame rail. Insert the lower 5/16" bolt and a flat washer through the frame and bracket using the opening on the outside of the frame. Hold the bolt head with a socket and extension through the access hole and put the remaining 5/16" flat washer, lock washer and nut on. Tighten the bolts to 25 lb/ft. If you cannot get a wrench on the upper bolt through the same hole in the frame then the bolt should be able to be tightened by hand until it is snug then using a large screw driver or pry bar apply pressure to the head of the bolt. The friction should allow the bolt to be tightened adequately. When installed it should look like Photo 2.



Photo 1



Photo 2

5. Put the factory rubber muffler hanger removed earlier onto the new muffler hanger.

6. Put the new 3" intermediate pipe up into place on the converter outlet flange and connect it using the original hardware. Leave it loose to allow for adjustment later.

7. Place the 3" exhaust clamp onto the 3" inlet stub of the new muffler. Put the muffler up into place with the hanger pointed upwards, slipping it over the outlet end of the intermediate pipe fully, and engaging the rubber insulator over the hanger welded onto the muffler. Tighten the 3" clamp only enough to hold the muffler in place.

8. Next remove both rear axle brake lines. Then loosen the retaining bolt for the rear axle housing brake line bracket and rotate the bracket 90 degrees counter-clockwise (when viewed from below the vehicle) so that it is positioned with the rubber brake hose outlets facing the driver side as shown in photo 3.



Photo 3

9. Install both the new driver and passenger side rear axle brake lines.

10. Place a 2-1/2" exhaust clamp (2-bolt) onto the inlet end of the passenger side over-axle pipe (The passenger side over-axle pipe is the only 2-1/2" pipe with no hanger). Put the pipe up into place, slipping the inlet end, with clamp, over the passenger side outlet stub on the muffler. Tighten the 2-1/2" clamp only enough to hold the pipe in place.

11. Slide the passenger side tailpipe (the passenger side tailpipe has only one bend and a hanger) and 2-1/2" clamp onto the passenger side over axle pipe and tighten just enough to hold in position.

12. Now install the driver side over-axle pipe (The driver side over-axle pipe has 3 bends). Slide the a two bolt 2-1/2" exhaust clamp onto the driver side over-axle pipe inlet. Place the pipe up over the axle and onto the muffler outlet. Then slide the hanger into the factory rubber isolator.

INSTALLATION INSTRUCTIONS CONT. – #31054

13. Locate the hole on the outside of the driver side rear frame rail. Take the driver side tail pipe hanger bracket and hook the bracket over the top of the frame rail aligning the bolt hole with the hole in the frame (see photo 4). Through the opening in the rear of the frame rail insert the 3/8"-16 bolt with a 3/8" flat washer through the frame and the bracket. Then place the other 3/8" flat washer and the lock washer on the bolt and thread the 3/8" nut onto it. Tighten to 25 lb/ft and slide the rubber exhaust hanger included in the kit onto the hanger.



Photo 4

14. Now place the last 2-1/2" exhaust clamp onto the inlet end of the driver side tailpipe (the driver side tailpipe has 2 bends and a hanger) and connect it to the driver side over-axle pipe. Then insert the hanger into the rubber isolator installed in step 13 making sure the hanger hangs vertically. Do NOT fully tighten the slip joint or hanger yet.

15. Place a 2-1/2" Torca band clamp onto each exhaust tip and install the two tips on each tail pipe outlet. Do NOT tighten clamps yet.

16. Starting at the intermediate pipe and working rearward, 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. Tighten the two bolts at the converter outlet flange first, and work rearward tightening each clamp and hanger. Check tip alignments once all clamps are tightened. Re-adjust as necessary.

17. Lower vehicle and connect negative battery terminal. Check brake line for possible contact with over-axle pipe and adjust as necessary.

18. Bleed the rear brakes and top off the master cylinder with brake fluid.

19. Start engine and check for leaks. Test drive the vehicle and readjust as necessary.