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**PART #31690/31691**

## 2009-13 5.3L Suburban/Avalanche Dual Outlet Exhaust

### PACKING LIST

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

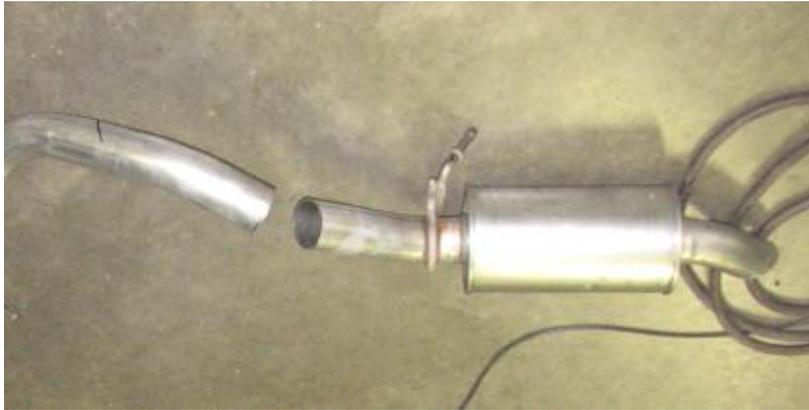
ITEM	QTY	CHECK	PART NUMBER	DESCRIPTION
1.	2	<input type="checkbox"/>	308302902	CLAMP, 2.5" EXHAUST
2.	1	<input type="checkbox"/>	308302904	CLAMP, 3" EXHAUST
3.	2	<input type="checkbox"/>	308303902	CLAMP, 2.5" EXHAUST Uni-Bolt
4.	2	<input type="checkbox"/>	308144380	CLAMP, 2.5" Torca Band, Vette/Must/Cobra/W-Body/GTO
5.	1	<input type="checkbox"/>	310650800	Muffler, F-150, Powerflo, Dual Stamp, No Hanger
6.	1	<input type="checkbox"/>	310301815	Int. Pipe, 5.3L Suburban
7.	1	<input type="checkbox"/>	610020002	Overaxle Pipe, P-Side, Tahoe/Yukon
8.	1	<input type="checkbox"/>	610020003	Overaxle Pipe, D-Side, Tahoe/Yukon
9.	1	<input type="checkbox"/>	310301806	Tailpipe, P-Side, Tahoe/Yukon
10.	1	<input type="checkbox"/>	310301811	Tailpipe, D-Side, Tahoe
11.	1	<input type="checkbox"/>	307301409	Bracket, DS TailPipe Hanger, Tahoe
12.	1	<input type="checkbox"/>	307746100	Spacer, Bracket, DS Tailpipe Hanger Tahoe
13.	1	<input type="checkbox"/>	310301853	TIP, Assy, Dual Dual, P-Side Tahoe/Yukon & F-150
			Or	Or
14.	1	<input type="checkbox"/>	310301617	Tip, Pass Side, Trap
			310301854	Tip, Assy, Dual Dual, D-Side, Tahoe/Yukon
			Or	Or
15.	1	<input type="checkbox"/>	310301618	Tip, D-Side, Trap
			260093800	Brake Line, P-Side, Exhaust, Tahoe/Yukon
16.	1	<input type="checkbox"/>	260093801	Brake Line, D-Side, Exhaust, Tahoe/Yukon
17.	2	<input type="checkbox"/>	605680100	BOLT,M8 x 30mm HEX HEAD
18.	2	<input type="checkbox"/>	67476648	NUT, HEX, M8
19.	4	<input type="checkbox"/>	950076801	WASHER,FLAT,M8 Zinc-Plated
20.	2	<input type="checkbox"/>	300868010	WASHER, SPRING LOCK, M8
21.	2	<input type="checkbox"/>	020814619	Cable Tie, Small
22.	1	<input type="checkbox"/>	15740212	Isolator, Rubber, Exhaust
23.	1		*****	Instructions

***NOTE: THIS SYSTEM WILL NOT WORK ON LOWERED VEHICLES***

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

**INSTALLATION INSTRUCTIONS – #31676/31677**

- 1 Begin the install by carefully cutting the factory resonator off the vehicle just behind the hanger on the back of the muffler (Figure 1).



**Figure 1: Cut location on factory exhaust**

- 2 Unbolt the flex joint from the factory y-pipe (after the CAT) and remove the entire system from the vehicle (Figure 2). Some WD-40 sprayed on the rubber isolators will make removal easier.



**Figure 2: Removal of factory flex joint**

- 3 Remove the two (2) rear factory brake lines running along the axle from the passenger's side and drivers side flex lines to the brake fluid distribution block. Rotate the brake line bracket on the differential by 90 degrees to accommodate the new lines (both new line connections should face the driver's side) Install the SLP brake lines onto the appropriate side and tighten the connections with a line wrench. See Figure 3 below.



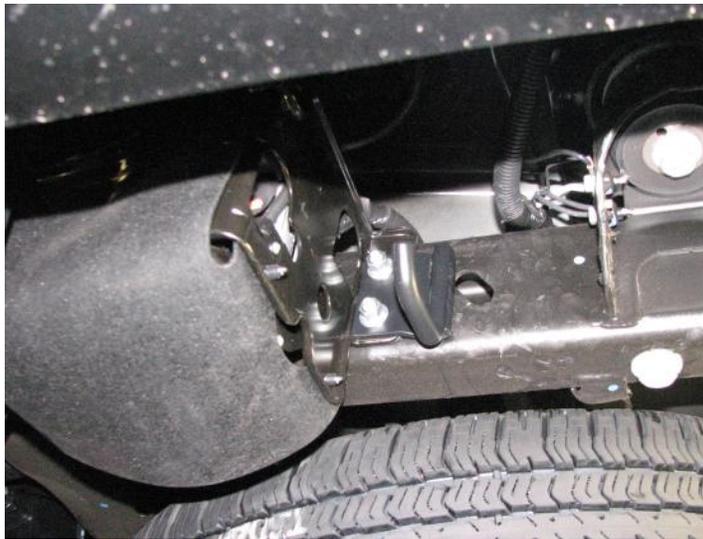
**Figure 3: SLP Brake Line**

- 4 Next, take the supplied driver side tail pipe hanger bracket spacer, and insert the spacer onto the two existing bolts in the rear D-Side frame rail behind the tire (Figure 4). \*Note\* Some models do not have these bolts in the frame because they are not equipped with air ride suspension. If this is the case, use the supplied 30mm M8 bolts and a flat washer for each, and insert them through the frame. Place the washer onto the bolt before inserting it into the frame. Lowering of spare tire will make installation of hanger bracket easier.



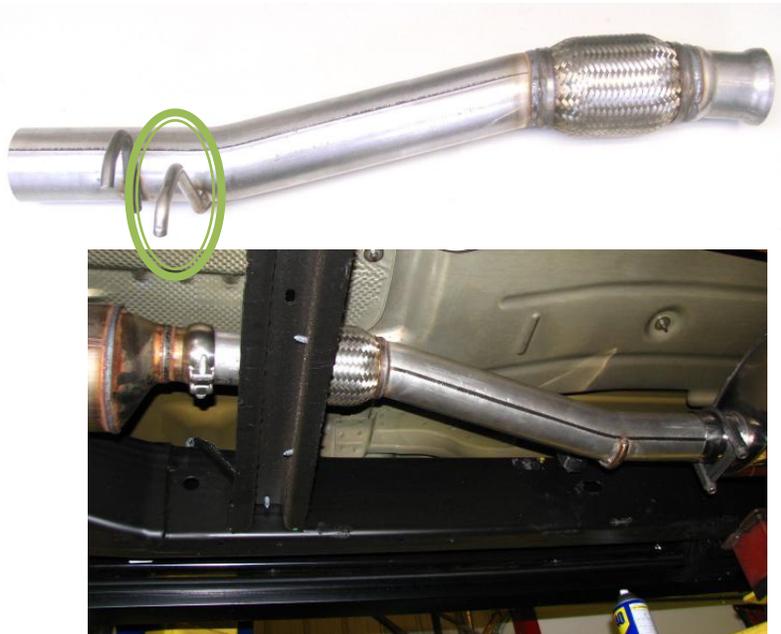
**Figure 4: Hanger spacer being placed onto the bolts in frame**

- 5 Now take the tail pipe hanger and place it over the spacer. Then place a flat washer onto each bolt, followed by a spring lock washer, and finally a nut (Figure 5). Tighten, and slide the rubber exhaust hanger isolator included in the kit onto the hanger (Spray a little WD-40 on the isolator to make installation easier).



**Figure 5: Tail pipe hanger, washers and nuts**

- 6 Next install the new SLP intermediate pipe with flex joint. Slide the SLP hanger into the factory rubber isolator and then attach the SLP intermediate pipe to the factory CAT using the original 70mm spherical clamp. Leave the bolt loose for adjustment later (Figure 6). There will be two hangers on the SLP intermediate pipe. This pipe has dual applications and for 2009-2013 Suburban/Avalanche/Yukon XL 5.3L you will be using the larger of the two hangers. The smaller hanger on the pipe below will not affect performance or fitment. See below.



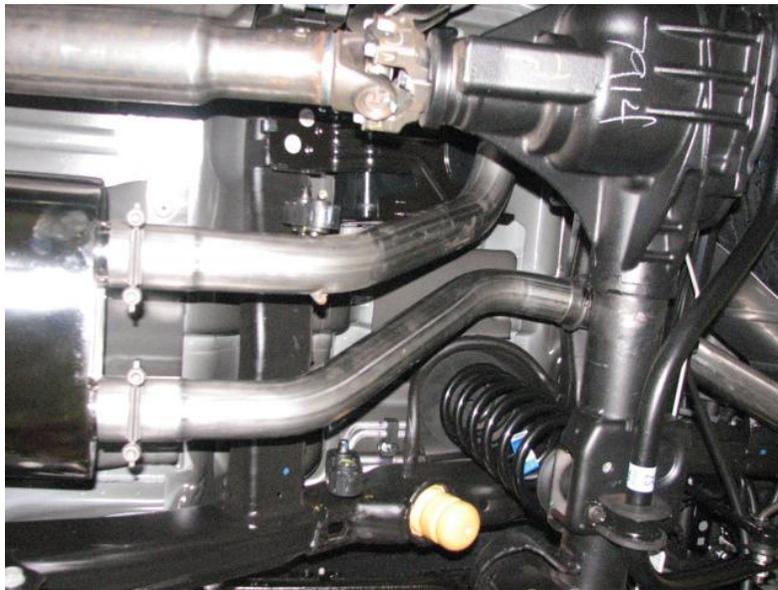
**Figure 6: Attachment of intermediate pipe to CAT**

- 7 Slide a 3" Guillotine clamp onto the rear of the intermediate pipe then slide the muffler onto the pipe. Loosely tighten the clamp to allow for adjustment once the system is in place (Figure 7).



**Figure 7: Intermediate pipe attachment to muffler**

- 8 Place a 2.5" clamp onto the driver's side over-axle pipe and then slide the pipe onto the factory rubber hanger and onto the outlet of the muffler. Route the passenger side over axle pipe in the same manner (Figure 8).



**Figure 8: Over axle pipe attachment to muffler**

- 9 Next install the P-side and D-Side tailpipes. Be sure to put one uni-bolt clamp on each of the pipes before attaching the tailpipes to the over axle pipes. Slip the P-side hanger through the factory rubber isolator and then onto the P-Side over axle pipe. Loosely tighten the clamp to allow further adjustment (Figure 9).



**Figure 9: Passenger's Side Tail Pipe**

- 10 Install the D-Side tailpipe in the same manner as the P-side using the hanger bracket and rubber isolator installed in the steps above.
- 11 Finally place a tip onto each tailpipe using the supplied 2.5" Torca clamps.
- 12 Adjust the system from front to rear making sure all exhaust components are free and clear of contact to any wiring or body parts, and then tighten all clamps. It may be necessary to use the supplied zip ties to tie away from the exhaust the rear vent line and/or the parking brake cable.
- 13 The installation is now complete! ENJOY!