

STRAIGHTLINE PERFORMANCE

2020 – Current Ski-Doo / Lynx 850 Turbo Vari-Sound Muffler Installation Instructions 134-197 / 134-201

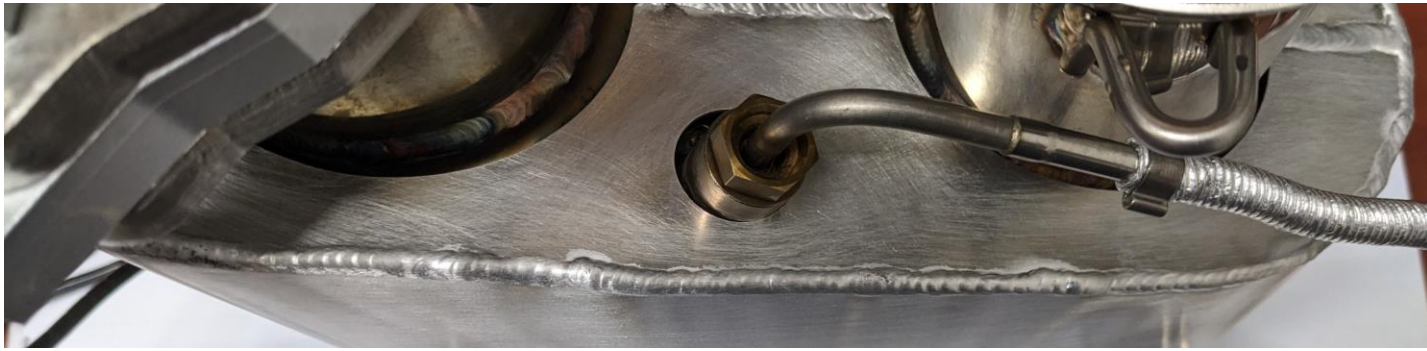
1. Remove hood, muffler mount bolt, muffler springs, and the 6 header bolts (retain these bolts, they will be reused). Make sure to unplug the temp sender on the muffler before removal. Remove muffler and turbo down pipe.
2. Assembly. Ensure all parts are in kit. 6 springs, 2 rubber grommets, 3 bolts and nuts, 2 graphite doughnuts. Install rubber grommets from kit onto muffler base. Install the two graphite doughnuts onto upper exhaust part as pictured.



3. Put the 3 bolts through upper flange, then through the exhaust valve, (You may have to tap them lightly be sure not to wreck threads on bolt) and finally through the muffler 3 bolt flange and put nuts on the bottom. Tighten by making several laps in an alternation pattern. Valve should point to the back right if looking at the muffler side with the logo on it. Upper flange should have 2 spring tabs facing logo side. Reference picture

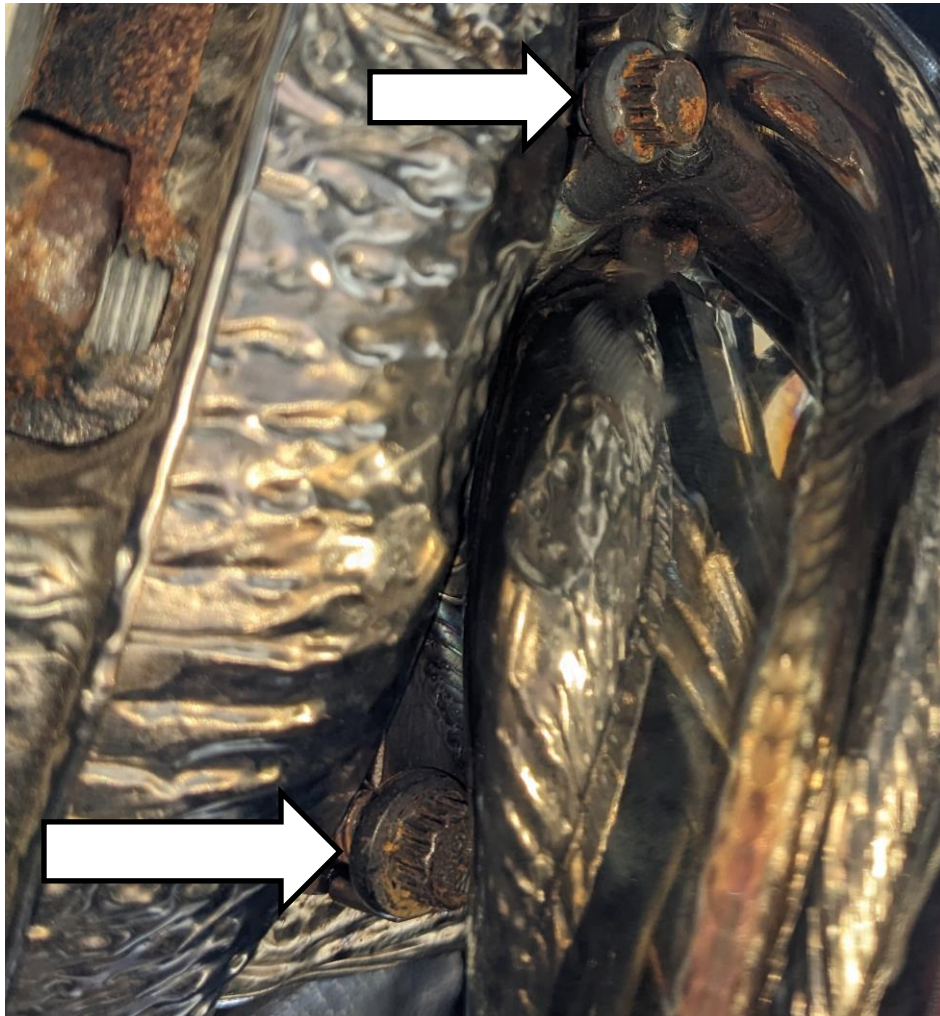


4. Remove temp sender and install on Vari-sound muffler (be sure to use anti-seize on the temp sender threads).



5.

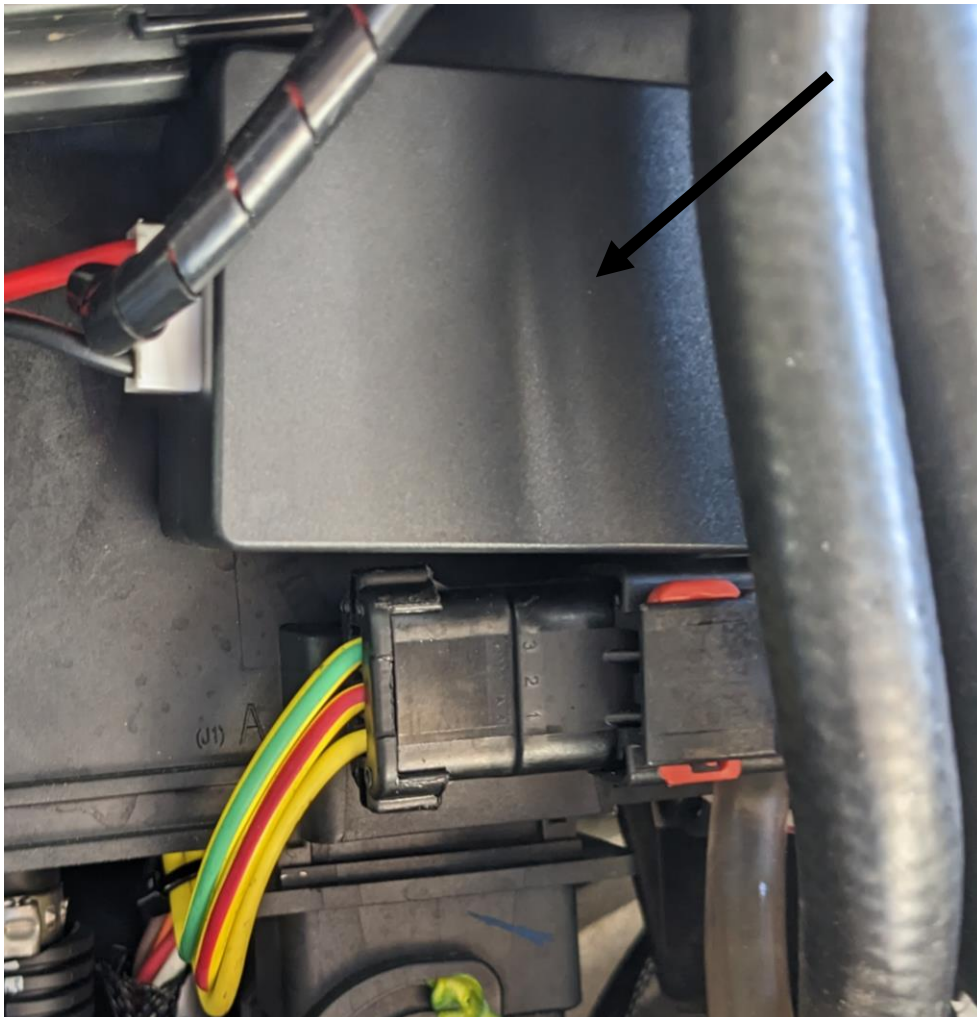
6. Install the oem gasket and the 2 of the turbo outlet bolts that match the slotted holes(bottom and middle left shown in picture.) in the flange. Install only a couple threads. Install the Vari-sound muffler complete assembly into position starting with the bottom left slots, then move top in to match up to the turbo and slide into position. Install the rest of the turbo flange bolts then tighten all evenly. make several laps to fully seat the flange to the turbo.



7. Install springs from mid pipe to muffler. Rear spring by chain case may need to be installed with a twist to provide more room. If there isn't enough room you can modify the lower tab slightly inward to make more clearance



8. Install sound valve control box by plugging into the accessory plug on the top by the steering post support. The sound valve plug routed by the coolant tank and ecu as pictured. Secure control box to side of ecu with stick tape on box.



9. Route wires from the Vari-sound valve up the chassis making sure not to get pinched by anything. Plug into the control box and secure wires with zip ties.

10. Reinstall hood and perform a final inspection of the wire routing and muffler fitment. Make sure the harness is clear of moving parts and secured to not touch the muffler.
11. Start engine and check the operation of the sound valve. The “on” button on the key fob is the loud setting and the “Off” button on the key fob is the quiet setting. The button only needs to be pressed momentarily for the valve to make the complete operation.

Warning: Do not test the valve with 12v power without it connected to the black box. This will cause failure on the motor.

- **Be sure the muffler has no manufacture defects. If the muffler has been run/used there are no warranties for fitment.**
- Jetting/Fuel Requirements- No Jetting/ Fuel modifications Required
- Clutching Requirements-No Clutching Required

Technical Question Please Email Tech@straightlineperformance.com

Bill of Materials (BOM):

Rev A

Qty	Part Number	Description	In Box
1	134-197	Muffler assembly	
	1 - CUTO-VAL-2.5	Vari-sound valve	
	3-110120364	7/16-14X1 ¾" Bolt	
	3-1136308	7/16-14 Nut	
	6	Exhaust Springs	
	1	Control remote	
2		Stickers	
1		Directions	

Checked By:	
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