



JB11/12/20JM

015-09335

“Setting the World’s  
Performance Standards”

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## SLP Lightweight Silencer for 2021 Ski Doo 850 G4 Summit Turbo Part # 09-335

### Parts List:

- |   |   |
|---|---|
| 3 - 7” Insulated Heat Tape (Part #090-29)       | 3 - 30” Reflective Heat Tape (Part #090-31) |
| 1 - Inner Aluminum Heat Shield (Part #091-6057) | 3 - 3/16” Rivets (Part #999-0054)           |
| 1 - Outlet Plate (Part #091-6056)               | 1 - Anti-Seize (Part #090-0146)             |
| 1 - Cable Tie (Part #999-5431)                  | 1 - Lightweight Silencer (Part #090-335)    |
| 1 - Spring Tab (Part #090-697)                  | 1 - Medium Spring (Part #090-47)            |
| 1 - 9” EGT Extension Cable (Part #090-35)       | 1 - Instruction Sheet (Part #015-09335)     |

### Tools List:

- |   |                            |
|---|----------------------------|
| - 6” Spring Hook Tool (SLP #20-90)                    | - 10 mm socket and ratchet |
| - 17mm End Wrench                                     | - T-25 Torx Socket         |
| - Stubby 10mm Ratcheting End Wrench                   | - Rivet Gun                |
| or 10mm 1/4” drive universal joint socket and ratchet | - Scissors                 |

**Step 1:** Using a T-25 torx socket and ratchet, remove hood and side panels (retain all hardware).

**Step 2:** Using a spring hook tool, remove the springs holding the silencer inlet tube to the silencer (retain springs).

**Step 3:** Remove the springs and clamps holding the heat shield on turbo outlet/silencer inlet tube. Remove the heat shield (retain all hardware).

**Step 4:** Remove the bolts from the turbo outlet/silencer inlet tube using a 10 mm socket and ratchet or end wrench (retain bolts).

**NOTE:** The two inner lower bolts only need to be loosened, not removed, as the mounting plate is slotted. These two bolts will need to be loosened using a stubby 10mm ratcheting end wrench or a short thin wall 10mm 1/4” drive universal joint socket.

**Step 5:** Remove the 10mm bolt and spring holding the back of the stock silencer to the chassis.

**Step 6:** Disconnect silencer EGT probe from the wiring harness connection located on the side of the chaincase.

**Step 7:** Remove the silencer from the chassis.

**Step 8:** Using a 17mm wrench, remove the EGT probe from the stock silencer.

**Step 9:** Remove one of the lower rubber support dampers from the stock silencer and install it in the lower SLP silencer support bracket.

**Step 10:** Apply insulated heat tape (provided) onto inside of belly pan at rear of outlet hole. Cover the insulated heat tape and the area around the outlet with reflective heat tape (provided). Also cover all open areas of the shock tower with reflective heat tape. (see Illustration #1 and #1A).

**Step 11:** Roll the sled onto its left side. Using a 3/16" drill bit, remove stock rivet behind the outlet (see Illustration #1). Install outer outlet plate (the larger of the two plates) from the bottom of sled into the outlet hole with the alignment tangs down. This is done easiest with the outlet plate perpendicular to the hole. Insert it into the outlet hole one notched side at a time (the front of the outlet plate will be on the inside of the belly pan) (see Illustration #2). Then rotate it so the plate is flat against the bottom of the belly pan, the outlet hole is centered on the plastic and the rear rivet hole is aligned (see Illustration #3).

**Do not** rivet into place at this time. **NOTE:** The tangs that protrude down from the outlet plate will position and center the silencer outlet in the outlet hole once the silencer is installed.

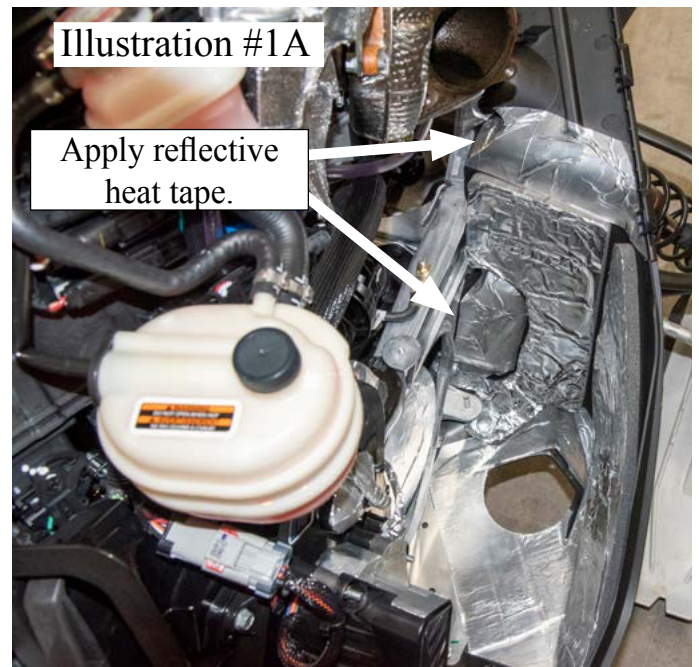
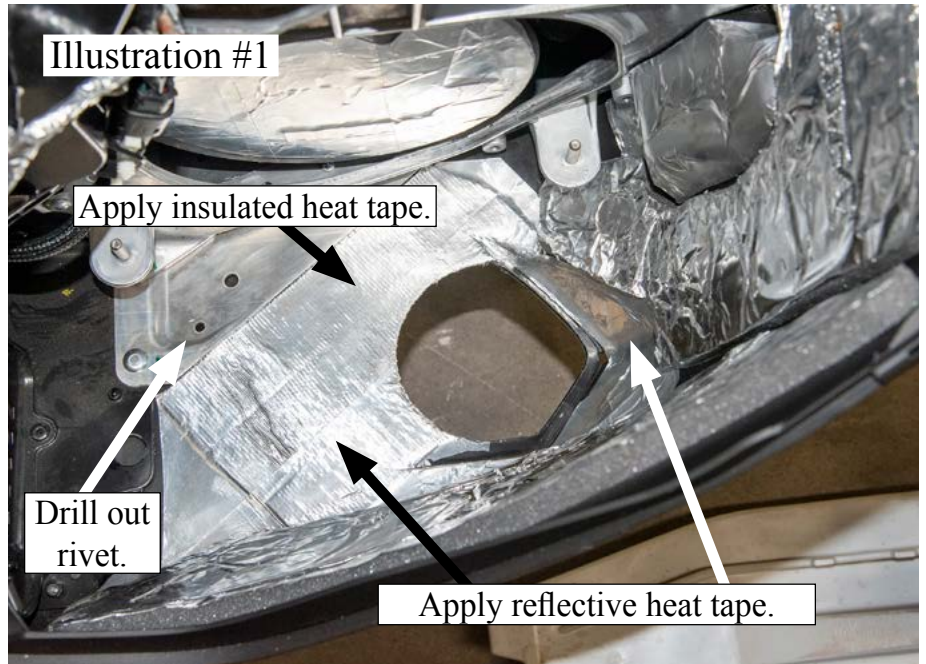
**Step 12:** Install the inner heat shield on the inside of the belly pan. Slide the shield under the stock aluminum and align the rear rivet hole with the rivet hole in the belly pan. Using one of the 3/16" rivets provided, install the rivet from the bottom of the belly pan, through the outer outlet plate and the inner outlet plate (see illustration #4).

**Step 13:** Make sure the inner and outer outlet plates are centered to the outlet hole. Using the outer outlet plate as a guide drill the front two rivet holes using a 3/16" drill bit. Attach spring tab (Part # 090-697) to rear outlet plate rivet position and rivet into place using the 3/16" rivets provided (see Illustration #4).

**Step 14:** Apply heat tape to the front of the SHOT in the area closest to the silencer as well as the recoil housing, chaincase fill cap and tube (see Illustration #5).

**Step 15:** Using supplied EGT Extension Cable, plug one end into the stock wire harness connector.

**Step 16:** Using anti-seize (provided) on the threads of the EGT probe, install it into the bottom of the SLP Silencer and position as shown in Illustration #6. Torque to 45 Nm (33 lbs-ft).





**Step 17:** Install SLP Lightweight Silencer into the sled making sure the rubber damper is engaged into the front mounting stud location.

**Step 18:** Plug EGT probe extension cable into the probe. Check wire routing for ample clearance from the silencer and secure in place using cable tie provided.

**Step 19:** Re-install turbo outlet/silencer inlet tube by sliding it onto the inner lower two bolts of the turbo housing and replacing the remaining bolts. Make sure the metal gasket is in place.

**Step 20:** Re-install turbo outlet/silencer inlet tube heat shield using the stock springs and clamps.

**Step 21:** Make sure the stock grafoil seal is in place on the silencer inlet tube. Spring the silencer to the silencer inlet tube using the stock springs.

**Step 22:** Re-install hood and side panels.

**SLP Exhaust Side Hot Air Elimination Kit (Part #32-654) HIGHLY RECOMMENDED.**

**Turbos generate heat. When the sled is held wide open or ridden hard, especially in deep snow or high load conditions, it is a good idea to wipe the snow off of the hood vents and open the side panels to let the heat out when you stop.**



Illustration #3

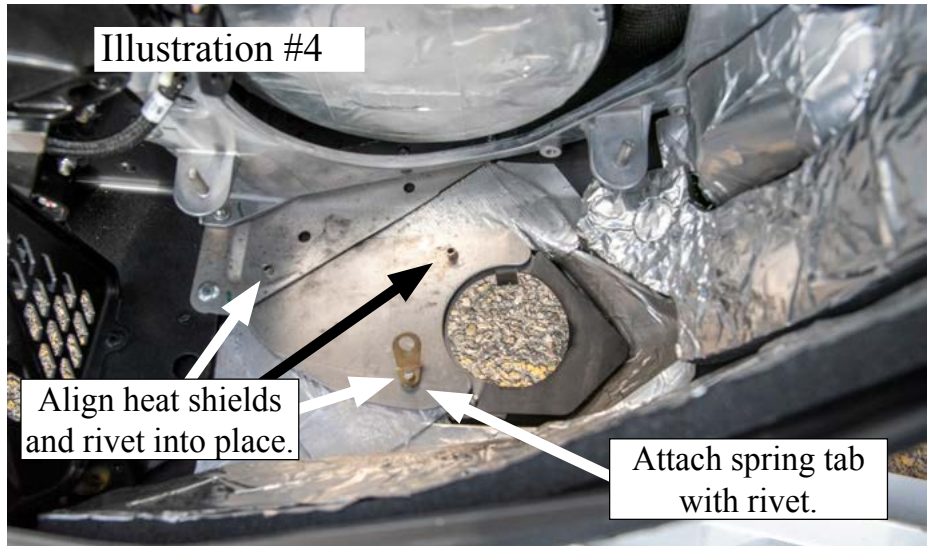


Illustration #4

Align heat shields and rivet into place.

Attach spring tab with rivet.

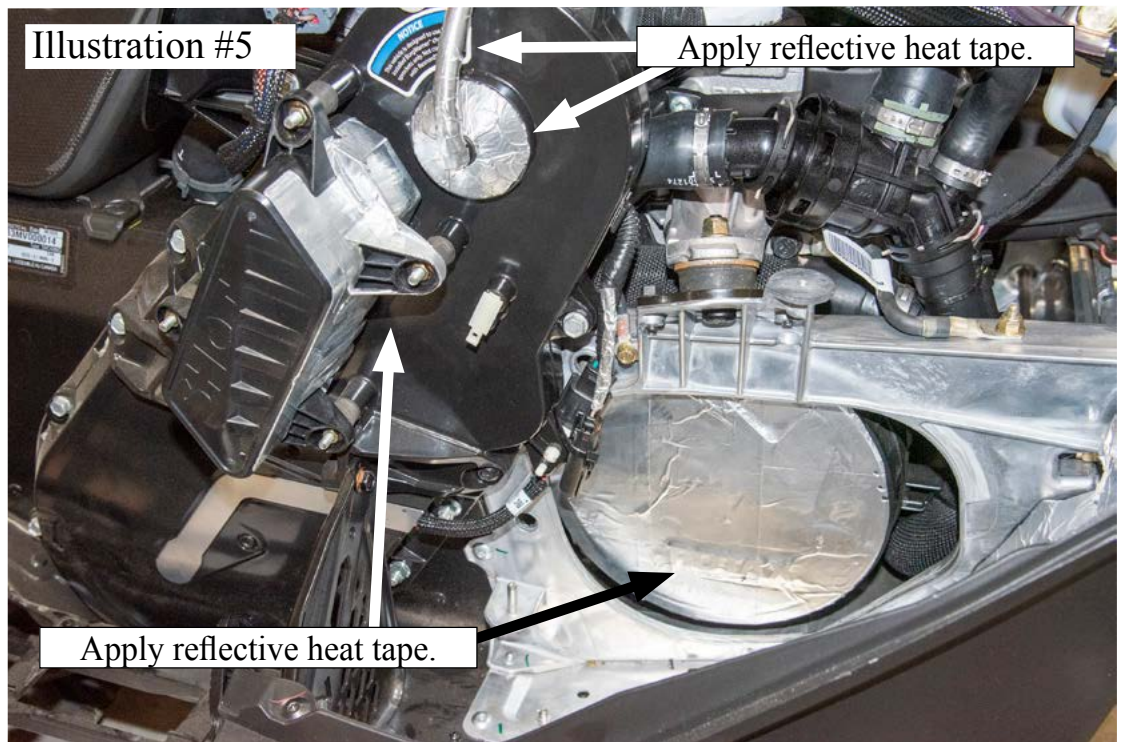


Illustration #5

Apply reflective heat tape.

Apply reflective heat tape.





Illustration #6



### Caring for your ceramic coated pipes and/or silencer:

Ceramic Coating is an aluminum matrix applied to your exhaust system to provide a thermal barrier for more consistent performance. It is a coating which requires little maintenance to keep your pipes and/or silencer looking like new.

Upon completion of new installation, wipe the ceramic coated parts of the exhaust system down with brake cleaner. This will prevent oils and grease (usually in the form of fingerprints) from burning on and staining the exhaust during first initial startup.

To maintain your ceramic coated system, wash it with soap and water periodically (especially necessary after trailering it to and from your riding area on roads that have been treated with salt and other ice removing chemicals). Salt and other ice removing chemicals will attack and eat away at the ceramic coating. This will result in rust coming through the coating. Typically you will notice this rusting after your snowmobile has set for a period of time without the exhaust system being brought up to running temperature.

Periodically polish your ceramic coated pipes and/or silencer after each washing with an aluminum polish such as Mothers, Maas or Blue Magic aluminum polish that can be found at any automotive parts store. Do not use any acidic cleaners! For stubborn stains use fine 000 steel wool, then use a soft cloth with polish. Failure to maintain your ceramic coated pipes or silencer can result in damage to the ceramic coating for which there is no warranty coverage. A little care will insure that your pipes and/or silencer will continue looking like new for many years.

**Note:** In areas of the ceramic coated system where skin temperatures exceed 1300 degrees F, it is normal for the coating to turn dull gray. These areas should also be washed and polished periodically.