



JB05/9/22JM

“Setting the World’s Performance Standards”

743 East Iona Road, Idaho Falls, ID 83401, (208) 529-0244 Fax (208) 529-9000

# SLP Competition Silencer for Ski Doo 2021-24 600 G4, 2021-22 850 G4 and 2022-23 Lynx 850 Rave/Boondocker Part # 09-342

**Parts List:**

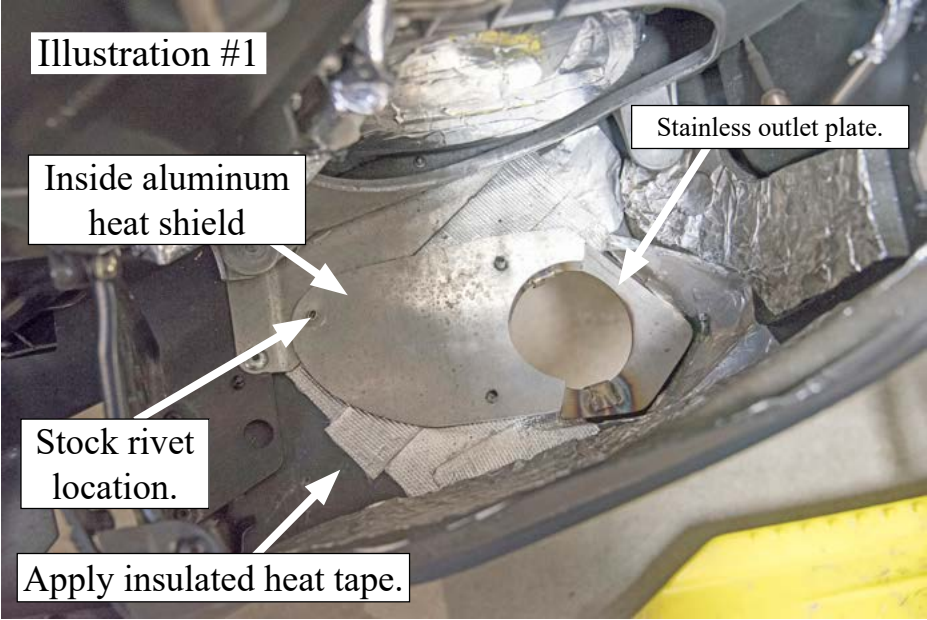
- 7 - 7” Insulated Heat Tape (Part #090-29)
- 1 - Inner Aluminum Heat Shield (Part #091-6057)
- 1 - Outlet Plate (Part #091-6056)
- 2 - Zip Ties (Part #999-5431)
- 1 - Lightweight Silencer (Part #090-342)
- 5 - 30” Reflective Heat Tape (Part #090-31)
- 3 - 3/16” Rivets (Part #999-0054)
- 1 - Anti-Seize (Part #090-0146)
- 1 - Heat Sleeve (Part #09-38)
- 1 - Probe Wiring Harness Extension (Part #090-35)

**Step 1:** Remove Hood, Side Panels and the OEM Silencer (retain all hardware).

**Step 2:** Apply insulated heat tape onto inside of belly pan at rear of outlet hole (see Illustration #1).

**Step 3:** 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 4:** 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 #1).

**Step 5:** 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. Rivet into place using the 3/16" rivets provided.

**Step 6:** Apply heat tape to inside of belly pan along the side where the side panel connects and along the side panel where it connects to the belly pan (see Illustration #4 and #4a)

**Step 7:** Cover silencer probe wire with heat tape.

**Note:** Remove the probe wiring harness from the clip on the chaincase. Zip tie the probe wiring harness to the coolant line in front of the chaincase in order for the probe to reach the probe boss in the SLP Silencer. On most models, the probe wiring harness extension (included) will need to be used to provided the needed length for proper routing (see illustration #6).

**Step 8:** Disconnect speedo wire plug. Slide insulated heat sleeve onto speedo wires. Reconnect plug and straighten the insulated sleeve so that it covers the speedo wires completely in the exposed areas from the bottom side of the chaincase to the top front of the chaincase. Use zip ties to tie wires to the chaincase. Apply heat tape to the recoil housing, chaincase fill cap and tube (see Illustration #7).

**Note:** SHOT equipped sleds need to have the box removed from the chaincase. The front and the side of the box needs to be covered in insulated heat tape. Then cover the insulated heat tape with reflective heat tape. (see Illustration #8).

**Step 9:** Heat tape upper frame support. This support has overflow lines running down it (see Illustration #5)

**Step 10:** Remove stock rubber dampers from stock silencer and reinstall onto SLP Silencer. The upper damper needs the metal stem installed onto it.

**Step 11:** Install SLP Silencer into the sled using the stock 6mm bolt, torque to 7 Nm (62 lb-in), with spring in the upper mount and stock springs from the pipe to the silencer.

**NOTE:** Use anti-seize on silencer probe and torque to 45 Nm (33 lbs-ft).

**Step 12:** Re-install hood and side panels.



Illustration #3



Illustration #4

Apply heat tape to upper belly pan edge.

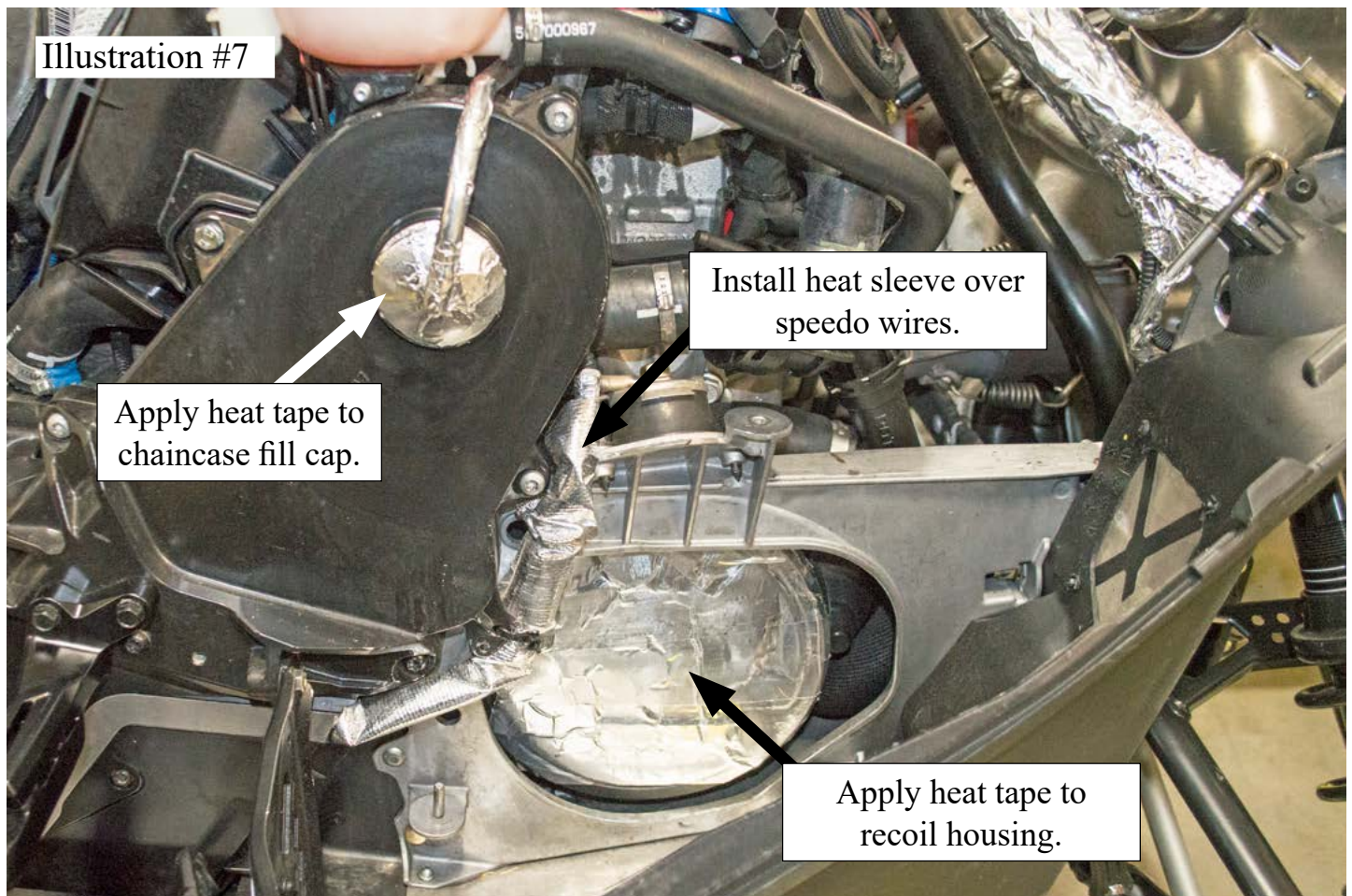
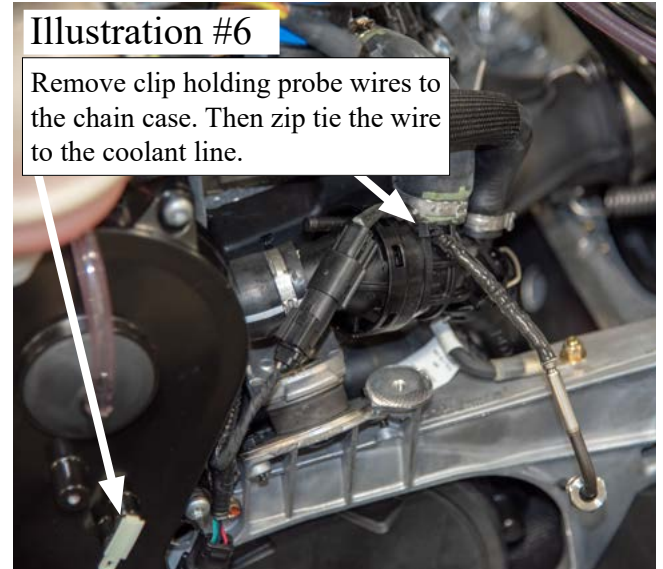
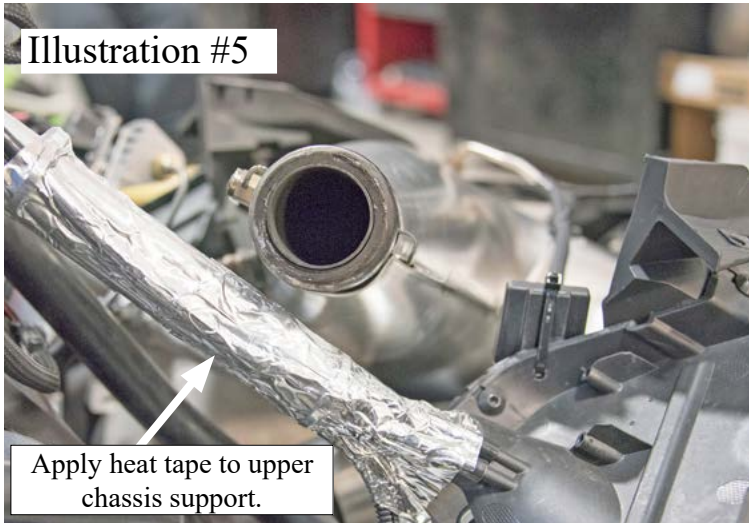


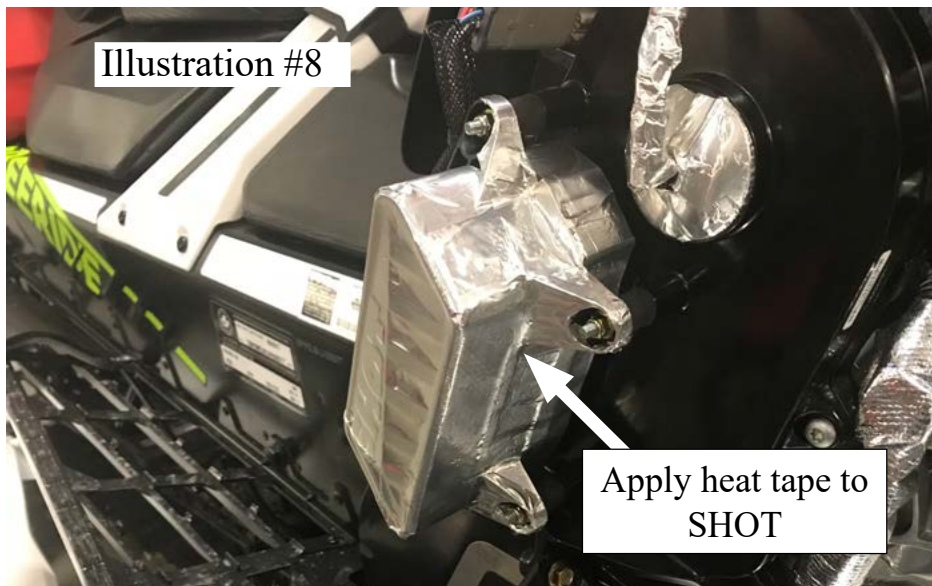
Illustration #4a

Apply heat tape to side panel.

**SLP Exhaust Side Hot Air Elimination Kit (Part #32-644) HIGHLY RECOMMENDED.**

**If the sled is held wide open or ridden hard, especially in deep snow for an extended period of time. Make sure to stop and open the side panel to let heat out periodically. SLP will not warranty heat damaged components.**





## 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.