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JB 01-30-23 JM

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

SLP Lightweight Silencer for Polaris: 2021-24 650/850/9R Matryx Models P/N 09-333

Parts List:

- | | | |
|-----------------------------------|--------------------------------------|----------------------------------|
| 1 - 30” Heat Tape (#090-31) | 1 - Instruction Sheet (#015-09333) | 1 - SLP Silencer (#090-333) |
| 1 - SLP Sticker (#60-60) | 1 - Silicone Outlet Ring (#091-4095) | 1 - Large Loop Spring (#090-400) |
| 1 - Anti-seize Packet (#090-0146) | 1 - Cable Tie (#999-5431) | 2 - Washers (#090-102) |

Installation Instructions:

1. Remove side panels, hood, and silencer. (retain all stock hardware)

2. Install provided heat tape on the inside of the bellypan from the silencer outlet forward up the back side of the bellypan towards the shock tower (see Illustration #1).

Note: Make sure the rubber isolator remains on the lower bulkhead silencer mounting location. (see Illustration #1)

3. Reinstall stock grafoil seal between the pipe and silencer.

4. On the bracket located on the bottom of the pipe, remove the rubber stop and place the supplied pipe adjustment washer (#090-102) on the rubber stop then reinstall in pipe bracket. (see illustration #2)

5. Install SLP Silicone Outlet Ring (#091-4095) onto the silencer outlet with rounded edge down (see illustration #3) and install silencer in sled. Spring the pipe to the silencer using stock springs. Use the provided large loop spring (#090-400) to spring the top front of the silencer to the upper bulkhead cross tube (see illustration #4). Spring the top rear spring hook on the silencer to the bulkhead spring loop using the stock long spring.

Note: When installing the silencer, the top of the silencer will need to be tipped towards the outside of the snowmobile as it is slid into the outlet and silencer support bracket. After silencer is installed check above and under the sled to

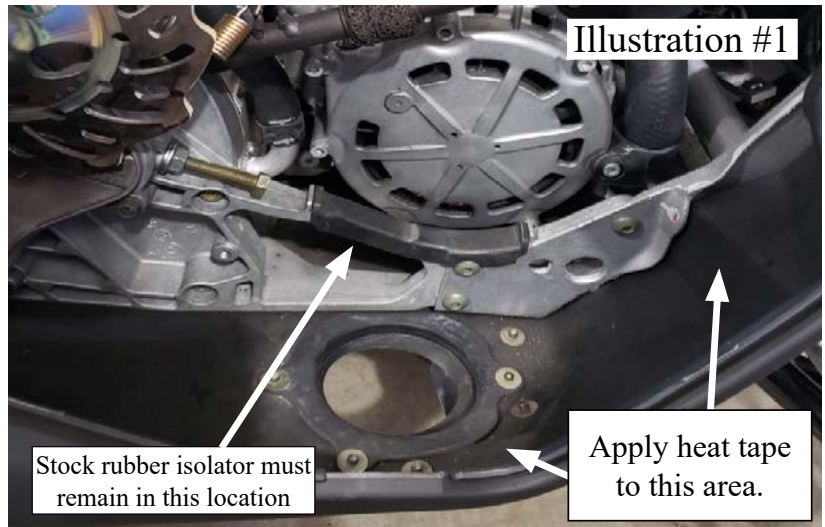
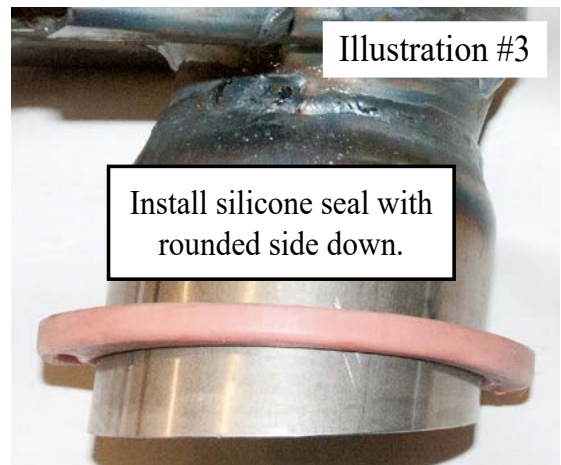


Illustration #2



Illustration #3



make sure SLP outlet seal and stock rubber seal are properly placed. Apply a high temp silicone sealer such as Permatex® UltraBlack® (PX#82180) or Loctite® RTV Silicone 598™ to glue silicone outlet ring to silencer.

6. Follow EGT sensor wire up harness until you find a cable tie holding a loop of extra cable length to the harness. Carefully clip the cable tie to give slack in the cable.

7. Install EGT probe in silencer with provided anti-seize (# 090-0455) on threads and torque to **22 ft-lbs** with 17 mm crow's foot and torque wrench. **Note:** Adding some anti-seize to the probe threads will make removing the probe easier in the future.

8. Using supplied cable tie (#999-5431), secure EGT sensor wire to wiring harness in a new location farther forward (see illustration #5). Ensure slack in probe wires is taken up by adding a loop of the probe wire in the cable tie .

9. Reinstall hood and side panels. Plug in headlight wiring harness.

Spring Tension Adjustment:

Spring loop adjustment is suggested for proper spring tension to prevent leakage and wear (low tension), allow adequate flex (proper tension) and prevent spring breakage (excessive tension). When system is installed, the spring can be inspected for proper tension. The winding spacing at the center of the spring will indicate tension. When proper, the two center windings will have .040" to .050" clearance between them. This is easily tested with a feeler gage. If tension is incorrect, the loop on the pipe or silencer can be bent in the direction needed to increase or decrease tension. Attach a vise-grip firmly to the loop and bend.

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.

Starting Line Products • 743 E. Iona Rd. Idaho Falls, ID 83401 • (208)529-0244
Fax (208)529-9000 • web: www.startinglineproducts.com • e-mail: slp@slp.cc

