Starting Line Products, Inc.

015-09329

"Setting the World's Performance Standards"

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

SLP Lightweight Silencer for Polaris: 2019-22 850 Axys Models P/N 09-329

Parts List:

1 - Spring Tab (#090-697)
1 - SLP Silencer (#090-329)
1 - Short Spring (#090-40)
1 - Pipe Adjustment Washer (#090-102)
1 - 30" Heat Tape (#090-31)
1 - SLP Sticker (#60-60)
1 - Spring Tab Bracket (#092-0455)
1 - Instruction Sheet (#015-09329)
1 - Silicone Outlet Ring (#091-4095)
1 - Anti-seize Packet (#090-0146)

Installation Instructions:

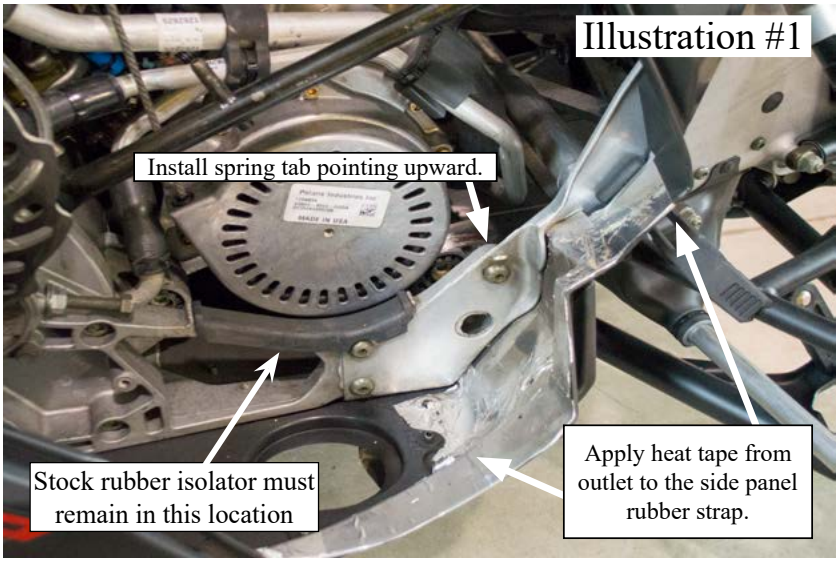
1. Remove side panels, hood, and silencer (retain all stock hardware).

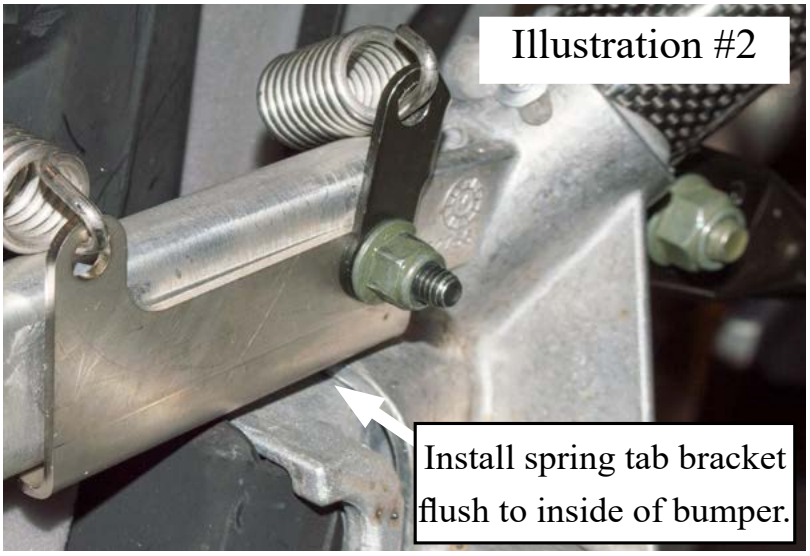
2. Remove the front upper bolt on the bulkhead. Slide the supplied spring tab (#090-697) onto the bolt and reinstall with the spring tab pointing in the 11 o'clock position. (see Illustration #1)

3. Remove the locknut and stock spring tab from the upper right rear front bumper mount and install the supplied spring tab bracket (#092-0455). Reinstall the stock spring tab pointing straight up and tighten locknut. (Illustration #2)
Note: *The bracket should be flush to the engine side of the front bumper and the bend of the bracket should be flush withthe underside of the bumper.*

4. Using a T40 torx and a 13mm end wrench, remove the recoil roller. **This will not be reinstalled.** (see Illustration #3)
WARNING: Failure to remove recoil roller will cause recoil rope to melt.

5. Install provided heat tape on the inside of the bellypan from the silencer outlet forward to the rubber strap for the side panel (see Illustration #1).
Note: *Make sure the rubber isolator remains on the lower bulkhead silencer mounting location. (see Illustration #1)*





6. 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 #4)

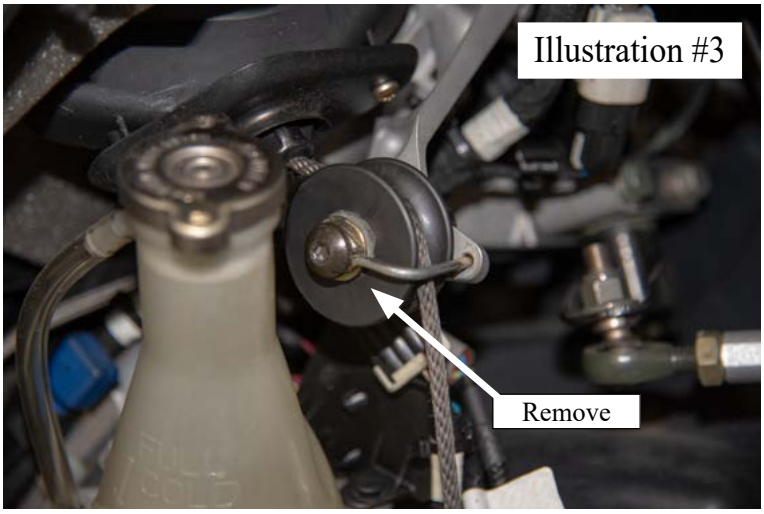
7. Using the stock short spring and the provided SLP short spring (#090-40), attach the pipe to the stock spring tab and the SLP pipe spring tab bracket. (see Illustration #5)

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

9. Install SLP Silicone Outlet Ring (#091-4095) onto the silencer outlet. Install silencer into sled, aligning the silicone outlet ring so it insets into the stock outlet rubber with rounded edge down (see illustration #6). Use the stock springs to spring the pipe to the silencer. Use a short stock spring to spring the bottom of the silencer to the spring tab installed in step 2. Use long stock spring that hooks to the chassis support to spring to the top left spring hook on the silencer.
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 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.*

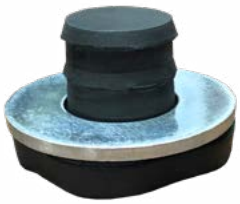
10. Install EGT probe in silencer with provided anti-seize (#090-0146) on threads and torque to **22 ft/lbs** with a 17mm crow's foot and torque wrench.
Note: *Adding some anti-seize to the probe threads will make removing the probe easier in the future.*

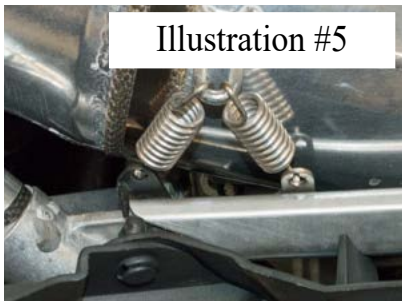
11. Reinstall hood and side panels. Plug in headlight wiring harness.

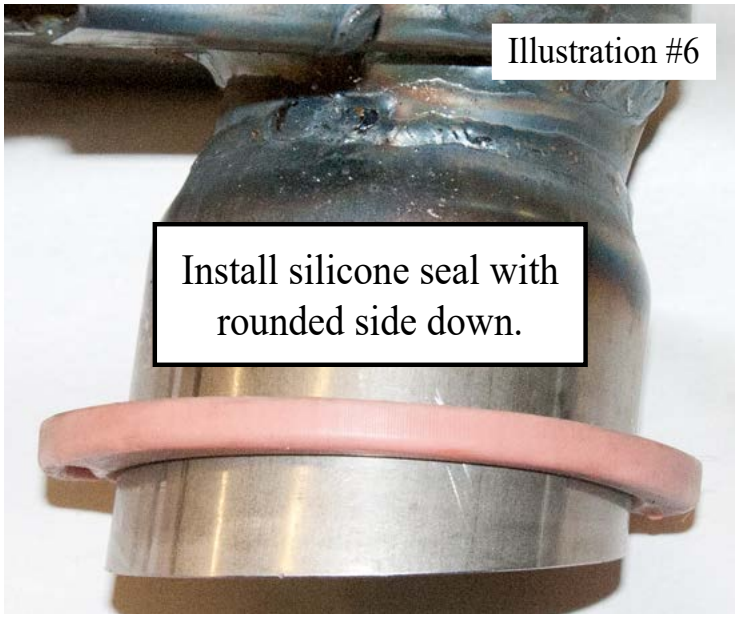


WARNING:
Failure to remove this pulley may cause the recoil rope to melt.

Illustration #4







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.