



"Setting the World's
Performance Standards"

**SLP Silencer for use with stock pipe
for 2004 Arctic Cat 800/900 Twin
P.N. 09-267**

Read instructions carefully and completely before attempting installation.

- 1- Remove stock pipe, silencer, and outlet deflector. (Retain stock mounting hardware for pipe installation.)
- 2- Remove stock silencer bracket from the chaincase (this bracket will not be used in installation).
- 3- Run a bead of silicone around the outside edge of the SLP outlet deflector plate and install to **belly pan from the bottom of the sled** and bolt into place using the stock bolts (see Illustration #1). Using the plate as a guide drill a 3/16" hole in the back of the plate and rivet into place.
- 4- Remove the stock vibro support from the silencer support bracket located in front of the chaincase. Install SLP vibro support into the large hole in the support bracket secure with the 1/4" flat washer, 5/16" flat washer and 1/4" nylock nut.
NOTE: The 1/4" flat washer will center the vibro-insulator on the support bracket (see Illustration #2).
- 5- Install spring tab (provided) using the upper rear hole in the chain case that holds the recoil rope guide in place with the spring tab in the 12 o'clock position (see Illustration #3).
- 6- Run a bead of silicone around the bottom edge of the silencer outlet tube (see Illustration #4). Set SLP Silencer into place and bolt to the vibro support with flat washer and 1/4" nut. Place one of the stock vibro supports in the bracket at the rear of the silencer. Spring the rear of the silencer to the spring tab and the bottom front of the silencer to the outlet plate.

Optional Deflector Installation: Stock snow deflector can be reinstalled just forward of the exhaust outlet by drilling new holes and riveting into place.

- 7- Relocate coolant bottle to the inside of the oil bottle next to the CDI bracket (see Illustration #5).
- 8- Cover the area closest to the silencer with reflective heat tape.
- 9- Reinstall pipe.

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.

Air Box Recommendation: SLP recommends the use of an SLP High Flow Outside Draw Airbox Conversion Kit. This effectively transforms your stock intake system and will allow more cold air to reach the engine which translates into an increase in horsepower. This system also is less likely to plug when riding in deep snow.

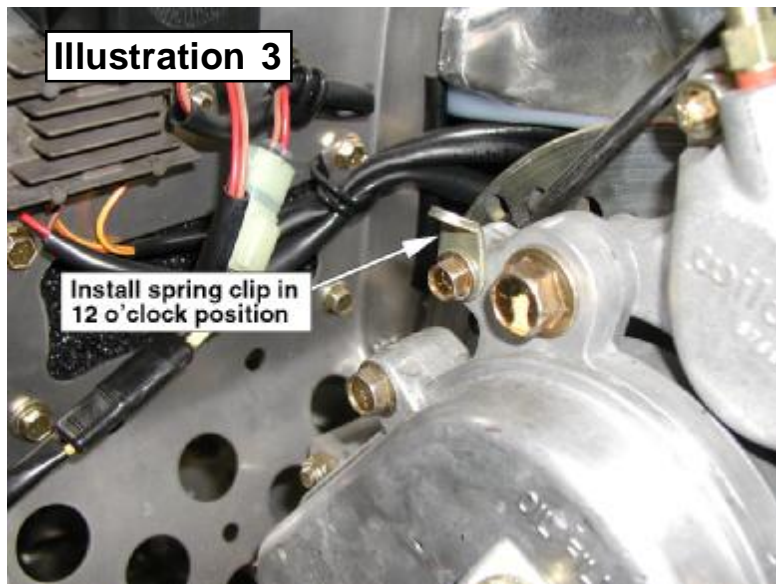
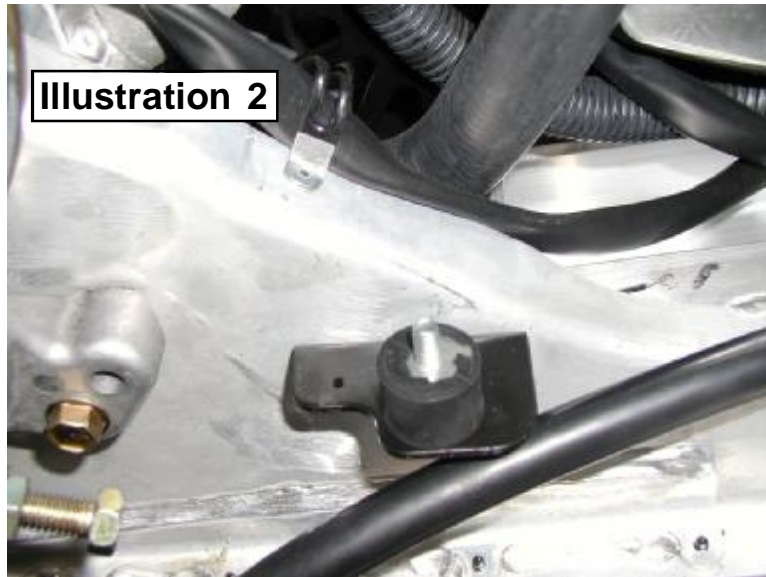


Illustration 4

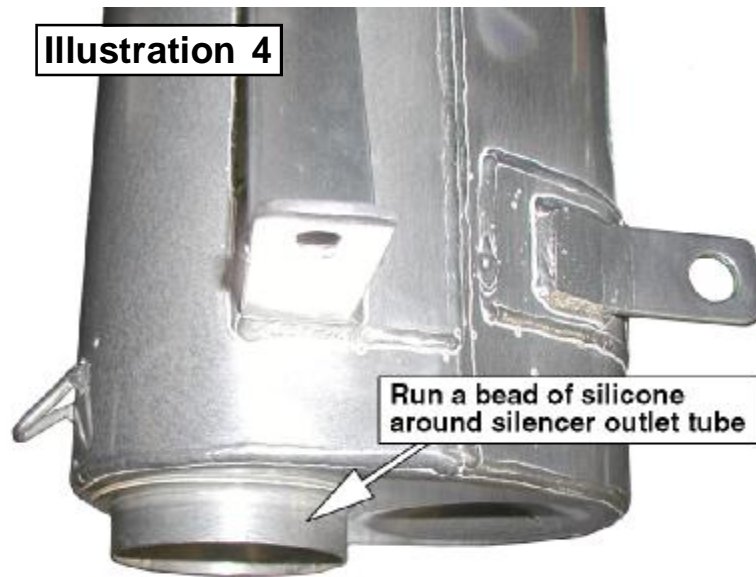
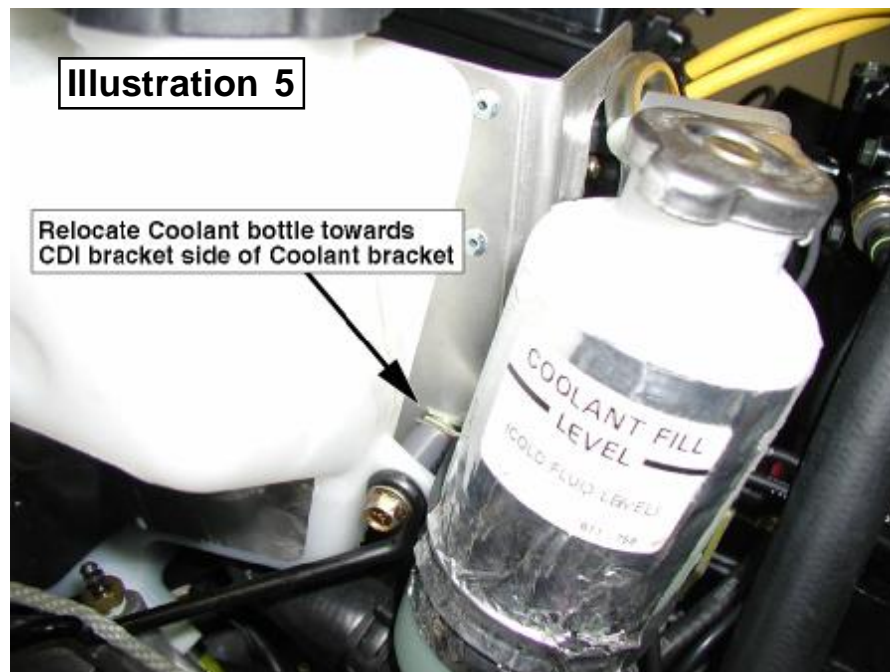


Illustration 5



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.