



**Starting Line
Products, Inc.**

*"Setting the World's
Performance Standards!"*

743 Iona Rd. Idaho Falls, ID 83401, (208)529-0244 Fax (208)529-9000

SLP PART #09-887

ATTENTION DEALER

**PLEASE PROVIDE YOUR CUSTOMER WITH THE
INSTALLATION AND INSTRUCTION DATA THAT IS
SUPPLIED IN THIS PACKET FOR THIS PRODUCT.**

Before you begin, please read the following:

The information contained in the instruction sheet supplied with this products is intended to provide complete setup and tuning specifications needed to have successful installation. It also acts as a reference guide for future tuning for altitude and temperature differentials. Varying from these standards can reduce performance and/or dependability.

Please read the following instructions for best results.

If you are experiencing difficulty after completely following the setup instructions, SLP technical assistance is available online at the SLP website:

www.startinglineproducts.com

or by phone at 208-524-3397



*"Setting the World's
Performance Standards!"*

743 Iona Rd. Idaho Falls, ID 83401, (208)529-0244 Fax (208)529-9000

SLP Single Pipe Set for 2010 Arctic Cat M8

P.N. 09-887

Effective Date:1/12/2010

Kit Contents:

- | | | |
|-------------------------------------------------------|-----------------------------|---------------------------------|
| 1 - Silencer (#09-8872) | 1 - Y-Pipe (#090-8870) | 2 - Zip Tie (#090-45) |
| 1 - Anti-Seize (#090-0146) | 1 - Single Pipe (#090-8871) | 8 - Allen Head Bolts (#090-699) |
| 1 - Pipe Support Bracket (#090-8874) | | 3 - 3/16" Rivets (#999-0054) |
| 1 - 30" Reflective Heat Tape (#090-31) | | |
| 1 - 1 1/2" x 3 1/2" Insulated Heat Sleeve (#090-8875) | | |

Read instructions carefully and completely before attempting installation.

Note: Do not remove banding placed on the mid section of the pipe. It has been placed there to improve performance, reliability, and reduce noise emissions. Check tightness every 100 miles for the first 300 miles and periodically thereafter.

1. Carefully remove EGT probe from pipe. Remove stock pipe, silencer, y-pipe, y-pipe cylinder studs, pipe support and bracket. (Retain stock springs, silencer retaining clip and washer for pipe installation.)

Remove aluminum heat shield that protects the injectors and oil bottle.

2. Remove rubber insulator from stock silencer hanger. Install on SLP silencer (see illustration #1).

3. Run a bead of high temp silicone such as Permatex® Ultra Black® (PX#82180) or Loctite® RTV Silicone 598™, around stock outlet hole (see illustration #2).

4. Install SLP silencer and mount into place using the stock washer and retaining clip.

5. Install SLP y-pipe (with it angled downward). The stock metal shim gasket can normally be reused. Apply a light coating of high temp silicone sealer such as Permatex® Ultra Black® (PX#82180) or Loctite® RTV Silicone 598™ to both sides of the gasket to promote a good seal.

Hint: For easier installation of Y-pipe use a 6mm x 5" long 3/8" drive ball end allen wrench with a swivel and a long extension.

6. Reinstall aluminum heat shield removed in step 1, the shield will need to be bent down in the center for pipe clearance.

7. Remove PTO front spark plug cap, install unsulated heat sleeve over the spark plug cap and zip tie into place using supplied ties. Reinstall plug cap.
6. Install SLP Pipe Bracket in place of the stock bracket using the supplied 3/16" rivets (the 90° bend needs to be over the motor).

8. Install SLP pipe, and spring it into place. Using supplied packet of anti-seize, coat threads of the exhaust temperature probe and re-install, torquing to 12 - 15 ft/lbs. It is very important to use anti-seize, and make sure not to overtighten the probe nut. Failure to follow these guidelines can cause damage to the probe during installation.

NOTE: Check for pipe to hood clearance, there should be at least 1/8". If pipe is close to the hood plenum it can be heated with a heat gun and pushed in for more clearance.

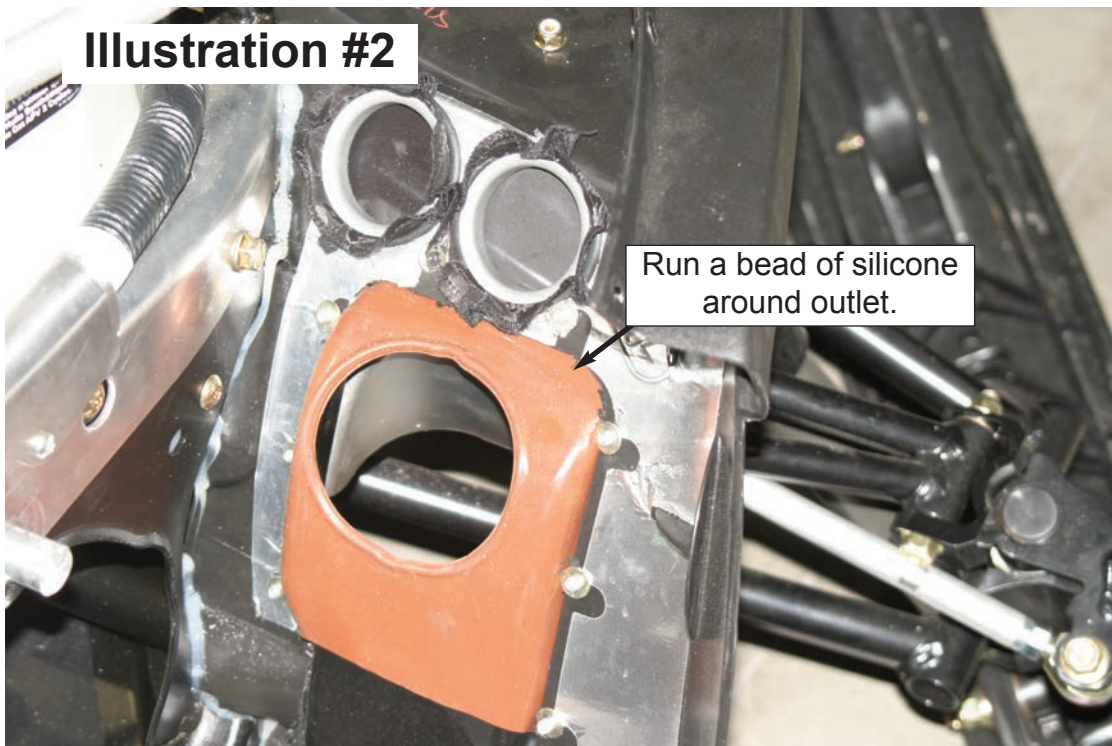
Illustration #1

Install rubber insulator into SLP Silencer



Illustration #2

Run a bead of silicone around outlet.



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 judged 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.

Arctic Cat M-8 EFI with SLP Single Pipe Set

Fuel Control Box Requirement: Must use SLP pre-programmed Power Commander PC V. SLP Part #70-128 with SLP Part # 70-207 fuel map. This pre-programmed fuel map is compatible with the SLP Single Pipe, SLP High-Flow™ Intake Kit (P.N. 14-305) and V-Force 3 Reeds. Other modifications including but not limited to: head modifications, increased timing, cylinder porting or intake modifications other than SLP High Flow™ Intake Kit in addition to the pipe may require a different fuel map.

Fuel Requirement: Minimum 91 octane pump fuel.

Clutching for 2010 Arctic Cat M-8 EFI with SLP Single Pipe Set

Altitude (feet)	Drive Clutch		Driven Clutch		
	Clutch Spring	Shift Weight	Clutch Spring	Driven Helix (Good)	Driven Helix (Best)
0-3000 ft	SLP 40-76 Blue/Pink	77g MTX (#40-118) 3g rivet outer hole	Orange #0648-774 (Steel) #0648-776T (Titanium) (Stock)	36° (Stock) #0648-765	44/36 #52-44/36
3000-6000 ft	SLP 40-76 Blue/Pink	71g MTX (#40-96) 3g rivet outer hole 1g rivet inner hole	Orange #0648-774 (Steel) #0648-776T (Titanium) (Stock)	36° (Stock) #0648-765	44/36 #52-44/36
6000-8000 ft	SLP 40-76 Blue/Pink	71g MTX (#40-96) 2g rivet outer hole	Orange #0648-774 (Steel) #0648-776T (Titanium) (Stock)	36° (Stock) #0648-765	44/36 #52-44/36
8000-10000 ft	SLP 40-76 Blue/Pink	68g MTX (#40-95) 3g rivet outer hole	Orange #0648-774 (Steel) #0648-776T (Titanium) (Stock)	36° (Stock) #0648-765	44/36 #52-44/36

Running RPM 8100-8300