



Setting the World's  
Performance Standards

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## Single Pipe for 2003-2006 Ski-Doo REV H.O.

*(For use with ported engines only)*  
**#09-870**

**Important: Read instructions carefully before installation.**

1. Remove stock pipe and silencer (retain OEM springs for pipe and silencer installation).
2. Using a 3/16" drill remove the rivet located below the stock silencer spring tab. Install SLP spring tab in the 12 o'clock position with the large head 3/16" rivet and rivet washer provided (see illustration #1).
3. Remove the OEM rubber pipe support located on the PTO side of the sled and bend the aluminum under the pipe support down 1/4" for pipe clearance (see illustration #2).
4. Install reflective heat tape provided to the front of the belly pan and hood (see illustration #3).
5. Install pipe and silencer into place using OEM springs.

**Note:** Check the tightness of the clamps located in the midsection of pipe approximately every 100 miles for the first 300 miles then periodically after that.

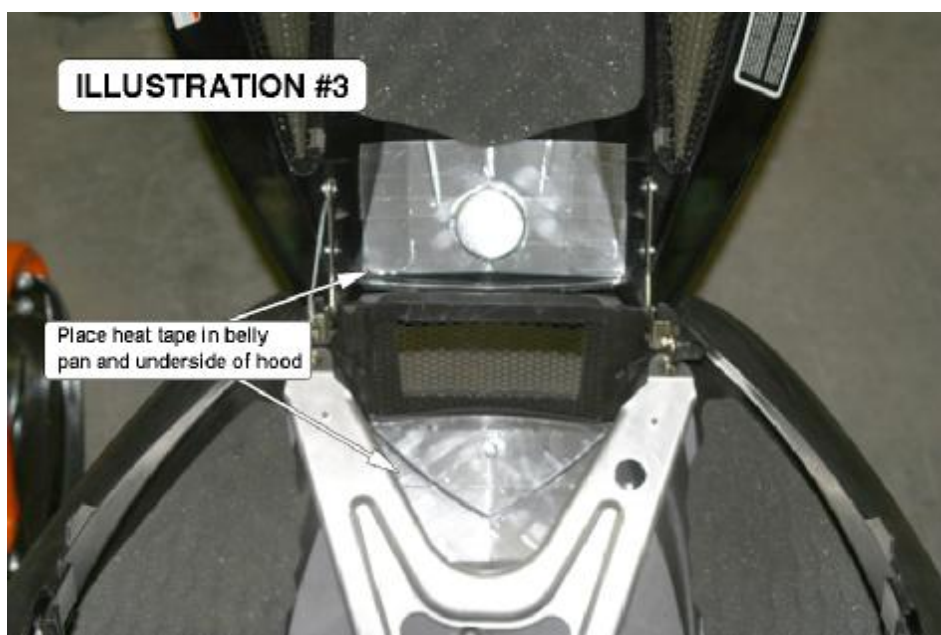
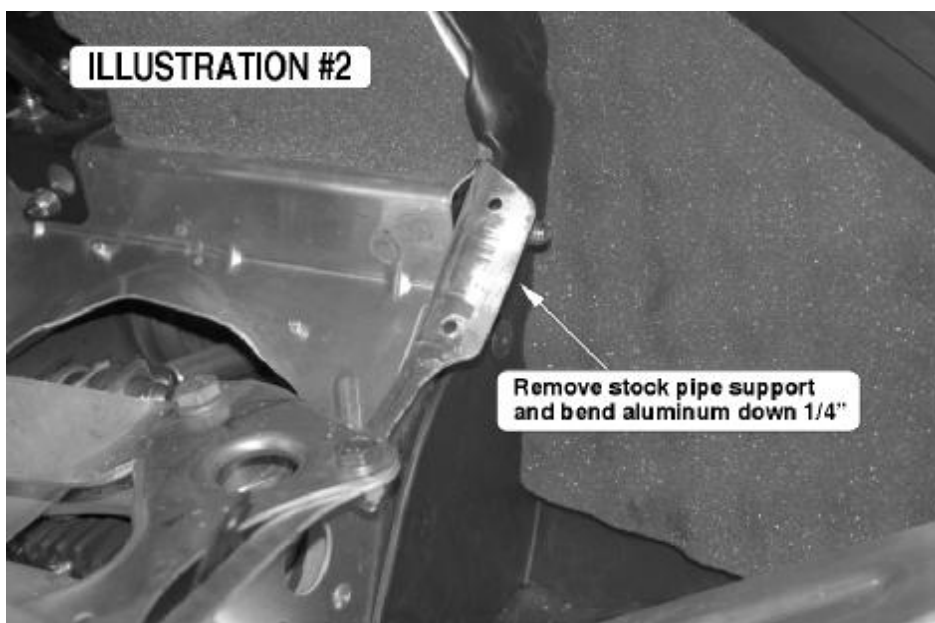
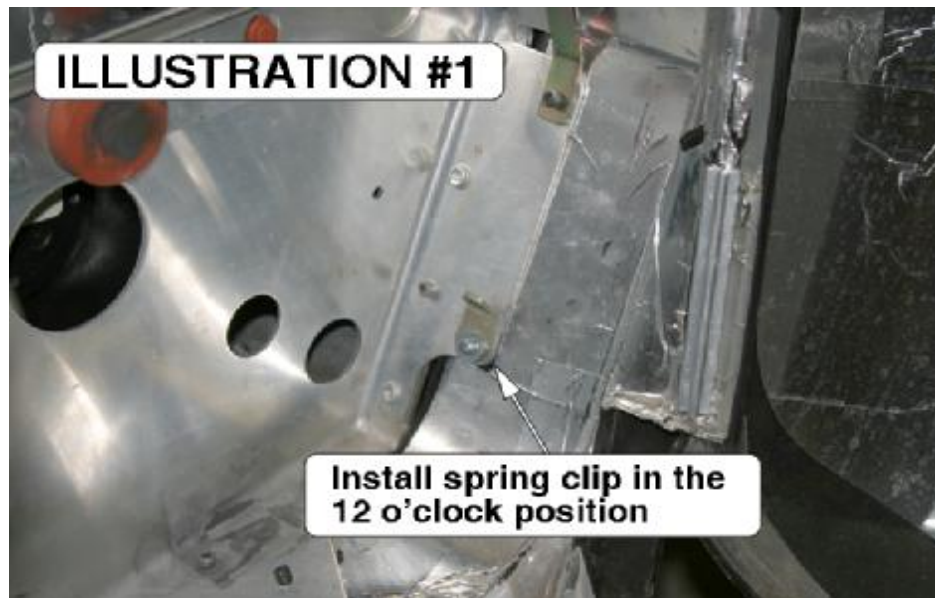
### **Spring Tension Adjustment:**

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.

SLP recommends the use of Chrome Racing Piston Rings part number 420815360 available from your Ski-Doo dealer.



## Jetting for Ski-Doo 800 HO non DPM Performance Edition

Altitude	Temperature			
	-40 to -20°F (-40 to -29°C)	-20 to 0°F (-29 to -18°C)	0 to 20°F (-18 to -7°C)	20 to 40°F (-7 to 4°C)
	PTO/MAG	PTO/MAG	PTO/MAG	PTO/MAG
Sea Level	470/470	460/460	450/450	440/440
2000'	450/450	440/440	430/430	420/420
4000' (1219m)	410/410	400/400	390/390	380/380
6000' (1829m)	370/370	360/360	350/350	340/340
8000' (2438m)	350/350	340/340	330/330	320/320
10,000' (3048m)	340/340	330/330	320/320	310/310
+12,000' (+3658m)	320/320	310/310	300/300	290/290

Altitude	Pilot Screw	Pilot Jet	Needle Jet	Jet Needle
0-3000' (0-915m)	Adjust for best idle and throttle response	17.5	Fixed	9DG13-58 #4 clip position
3-5000' (915-1524m)	Adjust for best idle and throttle response	17.5	Fixed	9DG13-58 #3 clip position
5-9000' (1524-2743m)	Adjust for best idle and throttle response	17.5	Fixed	9DG13-58 #2 clip position
+9000' (+2743m)	Adjust for best idle and throttle response	17.5	Fixed	9DG13-58 #1 clip position

## Jetting for 2004-05 Ski-Doo 800 Summit with DPM Performance Edition

ELEVATION	0-3000'	3-6000'	6000' and Above
Main Jet	450	400	360
Jet Needle	9DG17-58** with .020 Shim P.N. 14-254 under the e-clip 9DG16-58***	9EGY2-58 #3	9EGY2-58 #2.5
Pilot Jet	17.5	17.5	17.5 (stock)
Pilot Screw Setting	Adjust for best throttle response	Adjust for best throttle response	Adjust for best throttle response

**\*NOTE:** 0-3000' Specifications are based on 2004 MXZ. All others are 2004 Summit.

\*\*2004 MXZ, Renegade

\*\*\*2005 MXZ

**IMPORTANT NOTE:** Inner air box must remain in stock form. Modification to the inner box will affect vacuum signal from DPM, which can result in severe engine damage.

## Jetting for 2005-06 Ski-Doo 800 Renegade, MXZ, and Summit Power-Tek with SLP Performance Edition

ELEVATION	0-3000'	3000' and Above
Main Jet	450	440
Jet Needle	9EG104-58 w/ 0.020" shim under the e-clip SLP #14-254	9DGI13-58 #2.5 (2006 Summit)
Pilot Jet	17.5 (stock)	17.5 (stock)
Pilot Screw Setting	Adjust for best throttle response	Adjust for best throttle response

## Clutching for Ski-Doo 800 Performance Edition with Stock Roller Driven Clutch

Altitude	Drive Clutch				Stock Roller Driven Clutch	
	Ramp Profile	Clicker Setting	Roler Pin Weight	Spring	Helix	Spring
0-3000' (0-900m)	414* #417-222-546	2	Solid* #417-004-308	Purple / Green* #415-015-400	47/44	Green*
3-6000' (900-1525m)	415 #417-22-548	4	35.75mm hollow pin #417-222-595 1 - .73g set screws #206-260-699 1 - 1.68g set screw #206-261-299	Blue/Yellow #414-689-500	44 #417-126-869	Purple / Purple (stock)
6-9000' (1525-2743m)	415 #417-22-548	3	35.75mm hollow pin #417-222-595 1 - 1.68g set screws #206-261-299	Blue/Yellow #414-689-500	44 #417-126-869	Purple / Purple (stock)
Above 9000' (Above 2743m)	415 #417-22-548	3	35.75mm hollow pin #417-222-595 1 - .73 set screw #206-260-699	Blue/Yellow #414-689-500	44 #417-126-869	Purple / Purple (stock)

\*Stock MXZ-X 2006

**Running RPM 7900-8200**

## Clutching for Ski-Doo 800 Performance Edition with Stock Button Clutch

Altitude	Drive Clutch				Stock Button Driven Clutch	
	Ramp Profile	Clicker Setting	Roler Pin Weight	Spring	Helix	Spring
0-3000' (0-900m)	414	3	35.75mm hollow pin #417-222-595 1 - .73g set screw #206-260-699 1 - 8.3g slug #486-400-005	Violet/Green	50/40	Black/Violet 414-978-300
3-6000' (900-1525m)	415 417-22-548	4	35.75mm hollow pin #417-222-595 2 - .73g set screws #206-260-699	Blue/Yellow #414-689-500	44	Black/Violet 414-978-300
6-9000' (1525-2743m)	415 417-22-548	3	35.75mm hollow pin #417-222-595 1 - .73g set screws #206-260-699	Blue/Yellow #414-689-500	44	Black/Violet 414-978-300
Above 9000' (Above 2743m)	415 417-22-548	3	35.75mm hollow pin #417-222-595 no set screws	Blue/Yellow #414-689-500	44	Black/Violet 414-978-300

### Running RPM 7900-8200

**\*NOTE:** 0-3000' Specifications are based on short track MXZ models. All others specifications based on long tack Summit models.

### 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.