

# **STRAIGHTLINE** **PERFORMANCE**

**121-177**  
**2004-07 Ski-Doo 600 HO/SDI with SPI Pipe**  
**Roller Secondary RER 0-3000ft Clutch Kit**

Recommended Settings:  
Ramp Position # 3  
Pin Weight: 16.6-17.5  
Operating RPM – 8000-8100

Disassembly and reassembly instructions using the Straightline proper tools.

1. Remove the primary clutch using the proper puller. (ACS-13)
2. Remove the out half from the inner half of the TRA using the TRA clips. (151-100)
3. Install the primary spring compressor (151-101) and unbolt the spring cup and replace the stock spring with the new Straightline spring.
4. Install the new ramps (if your kit is using new Straightline ramps)
5. Remove the stock solid pin inside of the roller and re-install the new adjustable pin and set to the proper settings. (listed at the top of the page)
6. Assemble the clutch and re-install onto the snowmobile.
7. Remove the rear clutch and install onto the spring compressor (151-101) and remove the stock helix and secondary spring.
8. Inspect the rear buttons or roller and replace if broken or worn.
9. Re-install the new helix and spring.
10. Be sure to align the clutches after installation on the machine and always run the stock ski-doo belt designed for the machine. Changing belts may cause improper RPM and the clutch kit not to perform at the correct rpm.
11. The Straightline kit comes with an adjustable pin kit. If the machine is over revving add one gram at a time to the adjustable pin until the proper rpm's achieved. If the machine is under revving remove 1g out of the pin at a time until the proper rpm is achieved. Straightline highly recommends changing pin weight over changing the clicker position to get tuning correct first.

Quantity	Item #	Descriptions	In Box
1	121-149	Primary Spring Gray 200-230lbs	
3	121-125	412 Ramps	
1	121-139	Medium Pin Kit	
1	SPI-15	SPI-15 Helix	
1	121-157	secondary Spring Silver 185-320lbs	
1		Sticker	

Checked and Packaged By

Technical questions please email [tech@straightlineperformance.com](mailto:tech@straightlineperformance.com)



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