



**121-201  
2008-16 Ski-Doo Rev XP 800R  
144-163" Track 6000+ft Clutch Kit**

**Recommended Settings:**  
Ramp Position # 3  
Pin Weight: 13.5-15g  
Operating RPM – 8300-8350

The new QRS secondary clutch kit install.

1. Remove the chain case cover and un-bolt the top gear.
2. On the clutch side unbolt and remove the half moon keeper holding the jackshaft bearing into the chassis bearing support.
3. Place a screw driver or similar device in the bolt hole of the jackshaft from the chain case side and tap the entire jackshaft out. Have someone hold and lightly pull from the clutch side to completely remove the clutch and shaft assembly.
4. Use the Straightline helix and spring compressor to compress the helix. You may have to use light heat and an impact driver to remove the 4 stock bolts from the helix. After removing the helix install the plastic washer in the stock helix into the new SPI helix, and then install the spring. Be sure to lock tight the bolts back into the helix.
5. Re-install the clutch and jackshaft into the chassis; be sure not to loose the spacer behind the top sprocket. Bolt top gear back on and install bearing keeper support.
6. Remove primary clutch and install new spring and adjustable pin kit to proper specifications.
7. RPM's under acceleration will be 8100-8200peak rpm's will be 8300-8350. It is not uncommon under extremely long pulls to see slightly higher rpm's.

This is a trail kit and designed to for all around use. If sled is under-revving at wide-open throttle, remove setscrews to achieve the next lower setting. If this sled over-revving install 1 gram at a time till desired rpm is achieved.

Quantity	Item #	Descriptions	In Box
1	121-160	Primary Spring Green 160-320lbs	
3	121-125	412 Ramps	
1	121-138	Light Pin Kit	
1	SPI-21	SPI-21 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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