



121-196
2008-16 Ski-Doo Summit XP 800R 146-163" Track
146-163" Track 0-3000ft Clutch Kit

Recommended Settings:
Ramp Position # 2-3
Pin Weight: 21.3-22.4
Operating RPM – 7900-8200

The new QRS secondary clutch kit installs.

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 7900-8000 peak rpm's will be 8100-8200. It is not uncommon under **extremely** long pulls to see slightly higher rpm's.
8. **When installing the pin weight into pin use the supplied 1" long set screw to achieve the 22.4g setting. This pin is not on the direction sheet.**

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	121-149	Primary Spring Gray 200-320lbs	
3	121-125	412 Ramps	
1	121-140	Heavy Pin Kit	
1	SPI-20	SPI-20 Helix	
1	121-158	Secondary Spring Orange 215-320lbs	
1		Sticker	

Checked and Packaged By

Technical questions please email tech@straightlineperformance.com



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