



## 2012-16 Arctic Cat F/XF/M800 0-3000ft (124-154)

Parts included in Clutch Kit:

- 1-Primary Spring: Green (123-100)
- 3- Adjustable Gram Weights w/setscrew (124-151)
- 1-Secondary Spring: Silver (121-157)
- 1-Helix-SPI-23 Arctic Cat Helix

Setting:

- Peak RPM 8000-8100 Stock Exhaust
- Stock Pipe Settings
- 4 – magnets in the base
- 2 – magnet in the center
- 1 - magnets in the tip
- Peak RPM 8250-8400 SPI Exhaust
- SPI pipe settings
- 3 – magnets in the base only
- 1 - magnets in center
- 1 – magnets in tip

**A Straightline Clutch kit should always be installed by a certified snowmobile professional. Improper setting or installation can cause the machine to perform incorrectly or engine damage.**

1. Remove or compress the primary clutch and install the weights.
2. Install primary spring.  
Inspect all internal clutch components for wear. If excess wear is prevalent replace needed items.
3. Remove the secondary clutch and install the new SPI helix and secondary spring. The secondary spring is slightly smaller than the stock and will require a slight pressure to install into the stock clutch base. This is normal.
4. Install the secondary clutch and be sure belt tension is tight.
5. The operating RPM is for normal use, it is not uncommon to see slightly higher rpm under long hard pulls on smooth surface.
6. If tuning is required to hit peak rpm as in the settings above, add weight in the center of the weight if lower rpms are desired and remove the 1 magnet if more rpms are desired.

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



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