

STRAIGHTLINE **PERFORMANCE**

Arctic Cat 800 CTEC with factory "Team Clutches" 0-3000ft (124-163)

Parts included in Clutch Kit:

- 1 - Primary Spring: Silver (123-101)
- 1 - Set of Adjustable Gram Weights (124-161)
- 1 - Secondary Spring: White (124-162)
- 1 - SPI-28

Magnet Setting:

Peak RPM 8000-8100 Stock Exhaust

Stock Pipe Settings

- 4 - Magnets in #1
- 3 - Magnets in #2
- 4 - Magnet in #3
- 2 - Magnets in #4

Peak RPM 8350-8450 SPI Exhaust

SPI Pipe Settings

- 4 - Magnets in #1
- 3 - Magnets in #2
- 1 - Magnet in #3
- 1 - Magnets in #4



#1

1. Step one is to install the proper weight into the each hole. See settings are in upper right hand corner on how many weights to install into each location. Diagram #1 show what hole locations are dictated by the numbers.
2. Next, remove or compress the primary clutch and install the weights.
3. Install primary spring.
Inspect all internal clutch components for wear. If excesses wear is prevalent replace needed items.
4. Remove the secondary clutch and install the new SPI helix and secondary spring.
5. Install the secondary clutch and be sure belt tension is tight.
6. The operating RPM's above are for normal use, it is not uncommon to see slightly higher rpm under long hard pulls on smooth surface.
7. 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 designed and remove the 1 magnet if more rpms are desired.

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.

BOM:

| Quantity | Part # | Descriptions | In Box |
|-----------------|----------------|----------------------------------|---------------|
| 1 | 124-161 | Clutch Weights (Set of 3) | |
| 1 | 123-101 | Primary Spring | |
| 1 | 124-162 | Secondary Spring | |
| 1 | SPI-28 | Arctic Cat / Team Helix | |
| 1 | | Sticker | |

Checked and Packaged By

Technical questions please email tech@straightlineperformance.com



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