

SLP Magnum Force™ Heavy Weights for Ski-Doo with P-Drive Primary Clutch P.N. 40-161

Kit Contents:

- 3 - Magnum Force™ Drive Clutch Weights
 - 78.2g base, 86g fully loaded ($\pm 0.3g$) (#40-1610)
- 18 - 1.2g Set Screws (#999-0589)
- 4 - 0.6g Lock Set Screws (#999-0588)
- 1 - T-Handle Allen Wrench (#20-308)

Read instructions carefully and completely before attempting installation.

Weights can be adjusted by adding or subtracting set screws to achieve desired peak RPM. When using 1 or more set screws a lock set **MUST** be used. **Maximum 6 set screws and one lock set per weight.**

Adding Set Screws:

With the cup point of the set screw pointed into the weight, use the T-Handle Allen wrench to drive set screw in until it bottoms out in the weight. Add the desired number of set screws, bottoming each one to the other. Then drive in lock set until it bottoms on the set screw and tighten it up to lock in place.

Removal/Installation of weights into the clutch.

1. Remove drive clutch from sled.
2. Use Spring Compression Tool (SLP Part #20-233) to compress clutch for weight removal (see illustration #1).
3. Remove torx bolt from the weight pin (see illustration #2).
4. Using weight pin removal tool (SLP Part #20-235). Screw removal tool into weight pin and tap pin out using a hammer (see illustration #3).

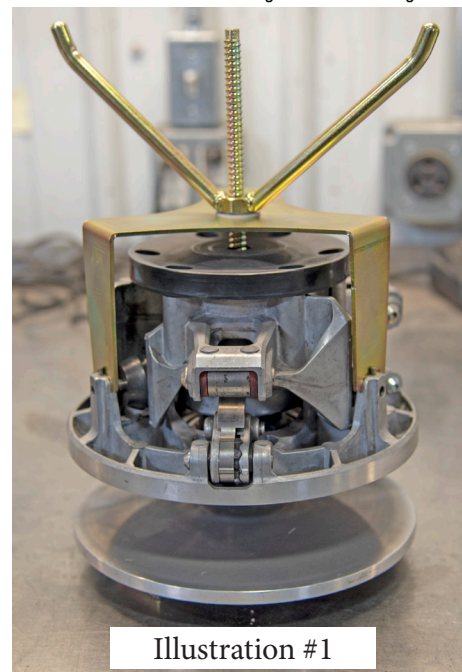
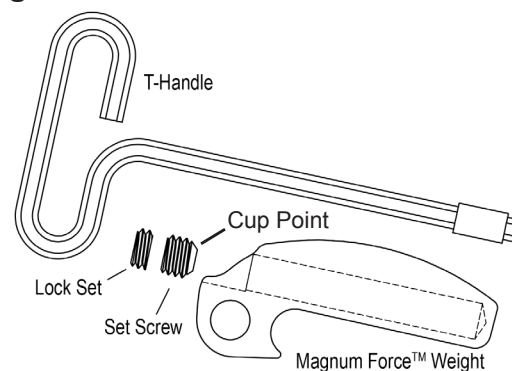


Illustration #1

5. Install SLP Magnum Force™ into clutch and install pins and bolt in reverse orders of the steps above. (see illustration #4)

Note: Torque bolt to 5 N•m ± 0.5 N•m (44 lbf•in ± 4 lbf•in).

IMPORTANT: Belt deflection is very important for optimum performance. After primary clutch and belt are reinstalled check your belt deflection. A good starting point for belt deflection is 1 1/2". We recommend setting the belt deflection as tight as you can without the sled creeping or squealing. Deflection will need to be checked and adjusted periodically as it will change as the belt wears.

With Magnum Force™ Weights installed the belt to sheave clearance with new belt is near zero and may squeal until the belt is broke in (has several miles on it).



IMPORTANT NOTE: Magnum Force™ Weights will begin engaging at a much lower 3000 RPM with significantly less slippage than OEM weights for positive grab on the belt. This is by design. More belt force (lower engagement) means less belt slippage and heat generation. It also means much better horsepower transfer and acceleration. Take note that the sled's engagement characteristic's will have a noticeable change vs stock weights.

