2753 Michigan Road • Madison, Indiana 47250 • 855-743-3427

# INSTALLATION INSTRUCTIONS

## Polaris Calibration Kit

**Fits: 2017-2018 Polaris Ranger XP 1000 w/EBS CREW** (3/21/23)
**Stock Tires**
**3-6000ft Elevation**

**ITEMS INCLUDED:**

- Drive Spring - Pink
- Driven Spring – Red
- Drive Belt – 1148 Series
- Weights - WEDGEXX82 (3)
- Helix 2016
- Decals
- Instructions

**TOOLS NEEDED:**

- Floor jack & safety stands
- Drive clutch puller
- Driven clutch compression tool
- 3/8” metric socket set
- 7/8” socket ½”
- 15mm socket
- Torx set
- Allen set
- Misc. normal shop tools

Make sure that you compare year/model on instruction sheet to the unit you have.
Do Not attempt this install w/o proper tools or damage to clutches & injury could occur.
Do Not attempt this install if you are not qualified. Injury could occur.
Inspect Drive/Driven clutch faces before you install kit. Repair/Replace as necessary.

***Need help with your installation?***

sales@superatv.com
www.superatv.com
1-855-743-3427
8:00am - 8:00pm EST M-Th
8:00am - 7:00pm EST Friday
9:00am - 2:00pm EST Saturday

***Read instructions and view illustrations before beginning.***

*Thank You For Choosing*

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Remove air tube using 8mm & 10mm socket.
Remove clutch cover screws (8) with 8mm socket.
Remove drive clutch retainer bolt (7/8" socket).
Remove drive clutch using clutch puller. Hand thread to get started.
Use 26mm or 1" socket on puller. OEM torque spec is 96lb.ft so clutch is on there.
Remove driven clutch bolt (15mm socket)
Remove clutches/belt from machine.
Remove drive clutch cover bolts (6).
Clean/wipe/blow dust from drive clutch assembly.
Scuff sheave with a Scotch-Brite pad. Wipe faces of clutch sheaves with contact cleaner on a rag.
Install supplied weights in drive clutch.
Install supplied **Green** spring in clutch.
Install cover aligning X on cover to X on clutch spider.
Compress cover/spring and install bolts and torque to 10lb.ft.
Clean/wipe/blow dust from driven clutch assembly.
Scuff sheave with a Scotch Brite pad. Wipe faces of clutch sheaves with contact cleaner on a rag.
Install driven clutch sheave compression tool.
Tighten tool cage slightly against flat area.
Mark X on clutch for alignment.
Remove 4 torx screws (#25). Slight heat will help.
Remove helix.
Release pressure on spring and remove spring.
Install supplied **Red** driven spring in clutch.
Stage 1 kit install stock helix, Stage 2 kit installed supplied helix.
Install helix lining up installing machine roller area around rollers. Non-machined area lines up with inside clutch raised area.
Tighten tool cage slightly against flat area. Align holes.
Install driven clutch assembly on unit.
Install retainer bolt and finger tighten to hold clutch assembly on shaft.
Install drive belt on driven clutch with part numbers so that you can read them.
Install drive clutch thru belt and onto engine stub shaft.
Tighten driven clutch bolt to factory spec 40lb.ft.
Install drive clutch bolt and torque to 96lb.ft..

**Verify that all items have been properly installed & properly torqued.**

**POSSIBLE ISSUE: Checking Transmission Alignment:** Start unit without cover on. Shift between gears. If it is hard to shift contact your dealer for transmission alignment. This is an underlying problem from the factory when it was assembled.

Install clutch cover.

**After verifying that all items have been properly installed/torqued start engine.**

Engagement should be 18-2100rpm after initial engagement.
Top rpm should be 81-8300rpm under full throttle, normal operating conditions.

**Re-torque drive clutch/driven clutch bolts to proper Polaris specs after 100 miles of operation.**

Failure to do so could cause future damage to clutches or injury to the operator.
If you have any problems/questions on this kit ***contact us by email*** at SUPERATV.COM

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**TECH TIPS:**

1. Contact SuperATV if you add larger/heavier tires as this changes the clutch calibration.
2. Drain water out of clutch cover after washing unit or driving thru deep water before operating.as this could cause a flat spot/damage belt and wear the drive clutch causing a clutch face groove/damage.
3. Clean clutches at least once a season for normal maintenance.
4. Under Severe conditions such as MUD BOG riding/racing, clean clutches daily.
5. Do not install partial kit as kit was designed to work correctly using all enclosed items.
6. Do not mix other company's parts with kit as this could cause damage/improper operation.

**Torque Specs:** Companies change specs so verify any/all bolt tightening specs by checking with your BRP dealer, service manual, owners manual, or Polaris Industries

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