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

# INSTALLATION INSTRUCTIONS

## Polaris Calibration Kit

**Fits: 2017-2018 Polaris Ranger XP1000 w/ EBS CREW**
**33-35” Tires, Mud Bog Kit**
**0-3000ft Elevation**

(3/23/2023)

**ITEMS INCLUDED:**

- Drive Spring - Pink
- Driven spring – Red
- Driven Spring – Purple
- Drive Belt – 1148 Series
- Weights - WEDGEXX82 (3)
- 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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Jack up rear end allowing left rear wheel to sag.
Install safety stands/jacks.
Remove clutch cover screws (8) with 8mm socket.
Remove grease fitting on a-arm.
Remove clutch cover.
Remove drive clutch retainer bolt (7/8" socket).
Remove drive clutch using clutch puller. Hand thread to get started.
Use 7/8 socket on puller. OEM torque spec is 96lbs 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.
Wipe faces of clutch sheaves with contact cleaner on a rag.
Install supplied weights in drive clutch.
Install supplied **Pink** spring in clutch.
Install cover aligning X on cover to X on clutch spider.
Compress cover/spring and install bolts and torque to 10lbs.
Clean/wipe/blow dust from driven clutch assembly.
Install driven clutch sheave with spring cone on compression tool.
Tighten tool cage slightly against flat area.
Remove 4 torx screws (#25). Slight heat will help.
Release pressure on spring and remove spring.
For most applications install supplied **Red** driven spring in clutch.
For better low-end torque and back shift, install supplied **purple** spring. Note: May reduce top speed.
**Install supplied helix. Notice Helix position. Rollers should not be parallel with the humps inside the clutch.**
Tighten tool cage slightly against flat area. Align holes.
Put drive bolt in the drive clutch. Install deflection bushing thru the inside of the clutch onto the clutch bolt. Install clutch on shaft.
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 40lbs factory spec.
Install drive clutch bolt and torque to 96lbs.
**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.
Install grease fitting.
**After verifying that all items have been properly installed/torqued start engine.**
Engagement should be 1700-1800rpm after initial engagement.
Top rpm should be 7-7200 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 operator.
If you have any problems/questions on this kit ***contact us by email*** at SUPERATV.COM

## 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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