



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

INSTALLATION INSTRUCTIONS

Polaris Calibration Kit

**Fits: 2021-22 Polaris Sportsman 570 Models w/ P190X *ONLY*
Stock to 28" Tires Trail
0-3000ft Elevation**

ITEMS INCLUDED:

- Drive Spring – Orange
- Driven Spring – Green
- Drive Belt – 1229 Series
- Weights – W18ZZ78
- FIX2 Shims
- Instructions

TOOLS NEEDED:

- Driven clutch compression tool
- 3/8" metric socket set
- 13mm Socket
- 10mm Socket
- Torx #27, #50 and #60
- Allen Wrench Set
- Polaris Belt removal Tool
- Misc. normal shop tools
- Torque Wrench

**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



Remove seat by pulling upwards releasing molded seat darts from frame grommets then sliding backward removing from front tabs.

Remove (2) plastic rivets from rear of left side panel and remove panel.

Remove (2) T27 Torx screw from rear of left footwell and two plastic push rivets from the front.

Remove (4) T27 Torx screws from base of footwell and remove footwell.

Loosen hose clamp from outer clutch cover and remove duct from cover.

Remove (10) Clutch Cover screw and remove clutch cover.

Insert Polaris belt tool into secondary clutch, turn until belt can be removed as found in owner's manual.

Using T60 and impact or breaker bar remove drive clutch bolt.

Primary movable sheave assembly can be removed by rocking on shaft and sliding outward (be care full not to drop spacer that movable sheave slides on it tends to come off with outer sheave).

Remove belt tool from secondary clutch, removed 13mm retainer bolt and slide clutch off transmission shaft.

OEM Clutch retaining bolt torque spec is 96ft-lbs. so clutch is on there.

Mark x's on drive clutch cover, and sheave(s) to match spider X for reassembly.

Install drive clutch on compression tool and tighten cage to clutch outer cover.

Remove drive clutch cover bolts (6).

Clean/wipe/blow dust from drive clutch assembly.

Scuff sheaves with scotch-brite pad and wipe with contact cleaner on a rag.

Install supplied weights in drive clutch.

Install supplied **Orange** spring in drive clutch with post and washers.

Install cover aligning X on cover to X on clutch spider.

Compress cover/spring and install bolts and torque to 9ft-lbs.

Mark x's on the two driven sheaves prior to separating to aid in reassembly.

Secondary clutch can now be separated by twisting and spreading sheaves.

Clean/wipe/blow dust from driven clutch assembly.

Scuff sheaves with scotch brite pad and wipe with contact cleaner on a rag.

Install driven clutch sheave with helix attached (helix down) on compression tool.

Tighten 1 1/8" Socket or large washer supplied with compression tool onto clutch.

Remove 3 Helix Bolts(T50).

Release pressure on spring and remove spring.

Install helix with supplied **Green** driven spring in clutch.

Tighten large socket or washer against rear of sheave. Align holes and reinstall helix bolts and torque to 32ft-lbs w/ blue loctite.

Install drive and driven clutch assemblies on unit.

Install secondary clutch retainer bolt, with washers and finger tighten to hold clutch assembly on shaft.

Install Polaris belt tool & tighten so that belt is ready to be installed.

Install drive belt on drive clutch and loop around driven clutch with part numbers so that you can read them.

Tighten driven clutch bolt to 20ft-lbs. factory spec.

Install drive clutch bolt and torque to 96ft-lbs.

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, you may need to add FIX2 Shims in secondary behind thick driven bolt washer to move drivebelt in so it is centered or not touching outer sheave face. If touching inner sheave contact Polaris Dealer for Alignment. Engagement should be 1900-2000rpm after initial engagement.

Top rpm should be 6500-6700 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