

Polaris Calibration Kit

Fits: Polaris (Various Models)

3/15/2023

ITEMS INCLUDED:

Drive Spring
Driven Spring
Drive Belt
Weights
Instructions
Decals

STAGE 2 INCLUDES:

Helix

STAGE 3 INCLUDES:

Secondary Driven Clutch

TOOLS NEEDED:

Floor Jack & Safety Stands
Drive Clutch Puller
Driven Clutch Compression Tool
Governor Cup Removal Tool
3/8" Metric Socket Set
Allen Wrench Set
Torx Wrench Set
Miscellaneous 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



Remove clutch cover.
Remove drive clutch retainer bolt.
Remove drive clutch using drive clutch puller. Hand thread to get started.
OEM torque spec is 96ft-lbs
Remove driven clutch bolt.
Remove clutches/belt from machine.
Remove drive clutch cover bolts.
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 spring in clutch.
Install cover aligning X on cover to X on clutch spider.
Compress cover / spring and install bolts.
Clean / wipe / blow dust from driven clutch assembly.
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 Torx screws. Slight heat will help.
Remove helix.
Release pressure on spring and remove spring.
Install supplied driven spring in clutch.
Stage 1 Kit: Install stock helix.
Stage 2 / Stage 3 Kit: Install 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.
Install drive clutch bolt and torque to factory spec.

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.

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

Install clutch cover.

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

Engagement should be **1800-2100**rpm after initial engagement.

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.