



424 SELECT™ INSTALLATION INSTRUCTIONS

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

WARNING signals a hazard that *could* cause serious injury or death, if you do not follow recommendations.

CAUTION signals a hazard that *may* cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and **Note**: to emphasize general information worthy of special

WARNING

A change in the handling characteristics of your ATV will occur in the 4X2 mode.

NOTICE

Do not switch to engage 4X4 if the rear tires are spinning. This may cause severe damage to the 424 Select unit.

<u>Yamaha Model</u>	<u>Year</u>	<u>Warn PN</u>
Wolverine.....	2000-2004.....	66056
Wolverine.....	1995-1999.....	66055
Big Bear 400.....	2000-2003.....	66056
Big Bear 350.....	1997-1999.....	66055

CAUTION

Read and understand all instructions before proceeding. Make sure that you have all necessary tools and parts before beginning the installation. Refer to the owner's manual for detail illustrations on your particular Yamaha model.

I. FRONT SHAFT REMOVAL

1. Remove the front plastic prop-shaft guard, **Figure 1**. There are three bolts securing the guard into place, two on the differential and one near the engine. Set guard and hardware aside for later use.

2. Remove the front and rear bolts that hold the differential into position. The front bolt location is shown in **Figure 2** and the rear bolt location in shown in **Figure 3**.

3. It maybe necessary to loosen the A-arm bolts to remove the differential bolts. It is not necessary to remove the bolts. Just loosen and slide bolt enough to remove the differential bolts. **Figure 4** shows the front right A-arm bolt loosened and moved to allow the front differential bolt to be removed.

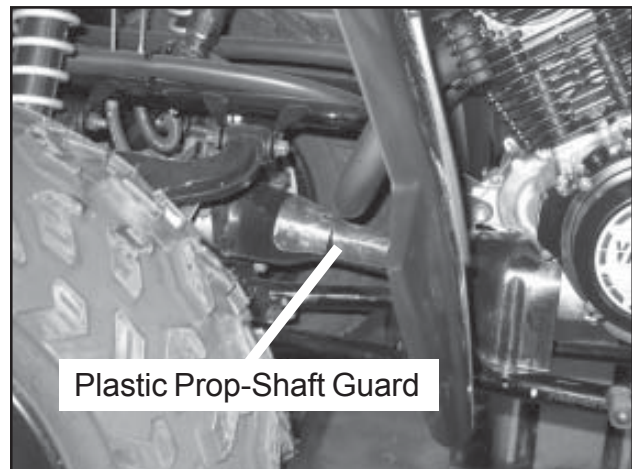


Figure 1 Plastic Prop-Shaft Guard

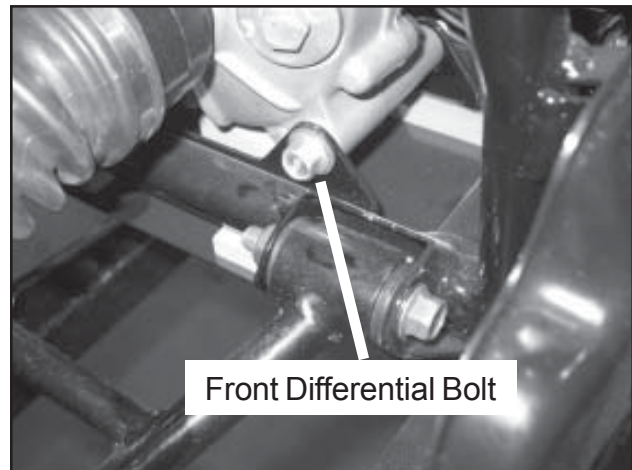


Figure 2 Front Differential Bolt

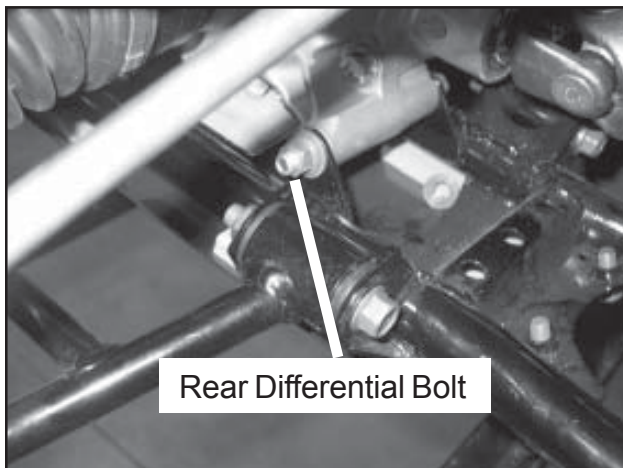


Figure 3 Rear Differential Bolt

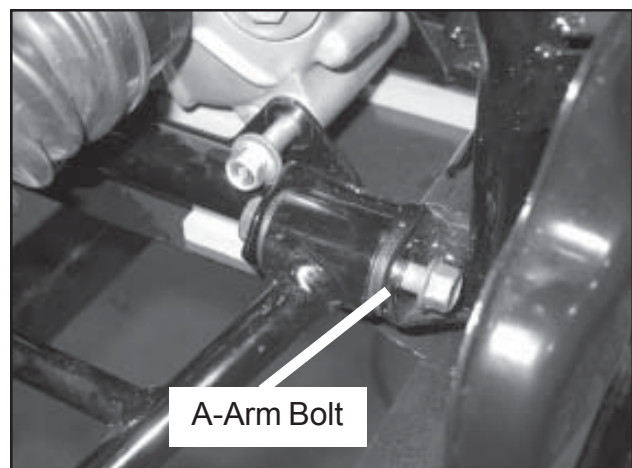


Figure 4 A-Arm Bolt

I. FRONT SHAFT REMOVAL continued....

4. CAREFULLY slide the protective boots to expose the U-joint connection and retaining rings on each end of the shaft **Figure 5**. The boots will be re-used on the new 424 Select unit.

5. Pull the differential forward, towards the front of the ATV, to remove the prop- shaft from the U-joints. Remove the shaft from the ATV.

Note: *Be careful not to loose the spring and thrust washer on the differential side of the prop-shaft.*

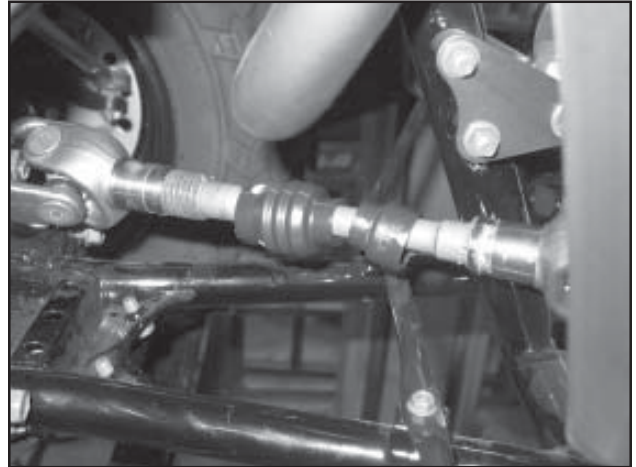


Figure 5 Stock Prop-Shaft

II. 424 SELECT INSTALLATION

1. Remove both protective boots, retaining rings, thrust washer and spring from removed prop-shaft, **Figure 6**. All components will be reused in the 424 Select application.

2. Place the shorter protective boot and one retaining ring onto the input side of the 424 Select unit, the shaft opposite side of the cable. The protective boot must be placed on first with the retaining ring to follow, **Figure 7**.

3. Place the longer protective boot onto the output shaft, the side the cable is coming out of. Place the retaining ring onto the shaft followed by the thrust washer and spring, **Figure 7**.



Figure 6 Removed Prop-Shaft

CAUTION

Avoid damaging the protective boots when removing and installing.



Figure 7 424 Select Unit

II. 424 SELECT INSTALLATION continued....

4. Install the 424 Select unit onto the ATV in the same location as the removed prop-shaft, **Figure 8**. Align the 424 Select unit into the engine side U-joint first. Next, pull the front differential forward so that there is enough room to slide the unit onto position. It may be necessary to rotate the differential slightly until the splines line up.

5. Reinstall the front differential mounting bolts and tighten all fasteners to the recommended torque settings located in your owners manual.

6. Using a 5/64" allen wrench, attach the anti-rotation bracket to the 424 Select using the 8-32 screw and lockwasher, **Figure 9**. **Do not tighten at this point.** Attach the anti-rotation strap to this bracket using the 1/4–20 bolt, fender washer and lock nut. Attach anti-rotation strap to frame using 1/4" – 20 U-bolt, washers and lock nut provided in kit **Figure 9** and **Figure 10**.

7. At this point the anti-rotation bracket and all other mounting hardware can be tightened.

CAUTION

The 424 Select unit should be allowed to rotate slightly. Do not stretch or over tighten strap.

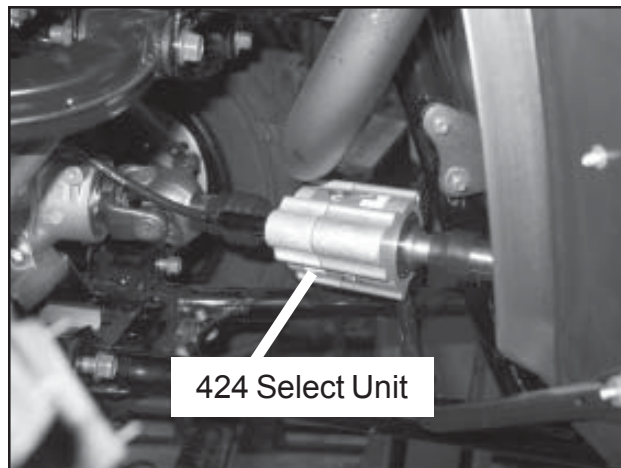


Figure 8 424 Select Unit

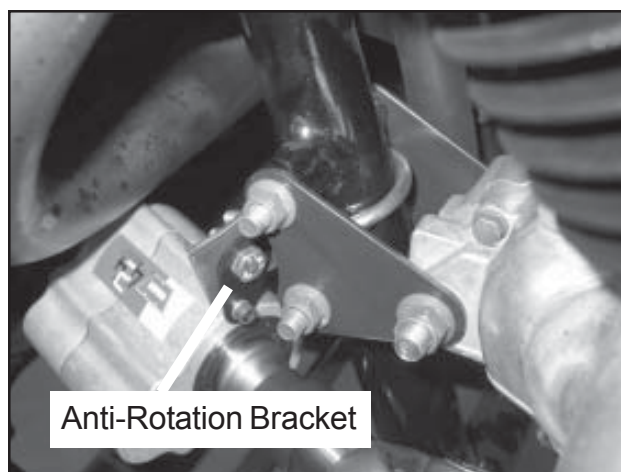


Figure 9 Anti-Rotation Hardware

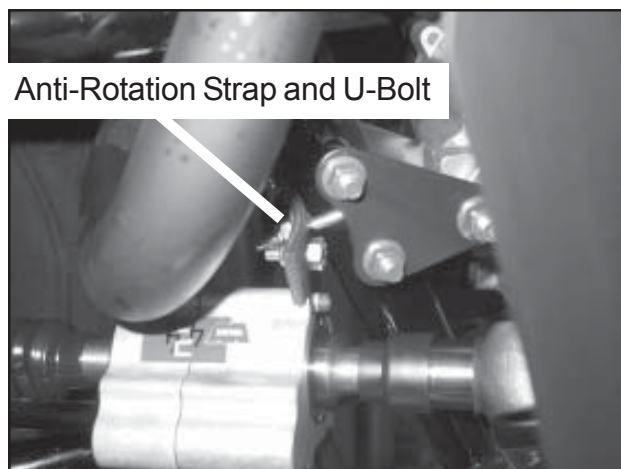


Figure 10 Anti-Rotation Hardware

II. 424 SELECT INSTALLATION continued....

8. It is recommended to modify the plastic prop-shaft guard and reinstall onto ATV to protect the U-joints. Refer to the following **Figures** for the recommended cutting location.

9. Reinstall the U-joint guards and secure with the original hardware used to secure the plastic prop-shaft guard.



Figure 11 Plastic Prop-Shaft Guard

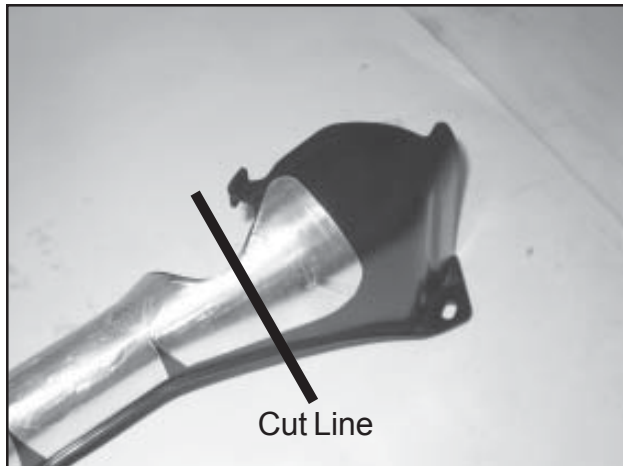


Figure 12 Recommended Cut Line

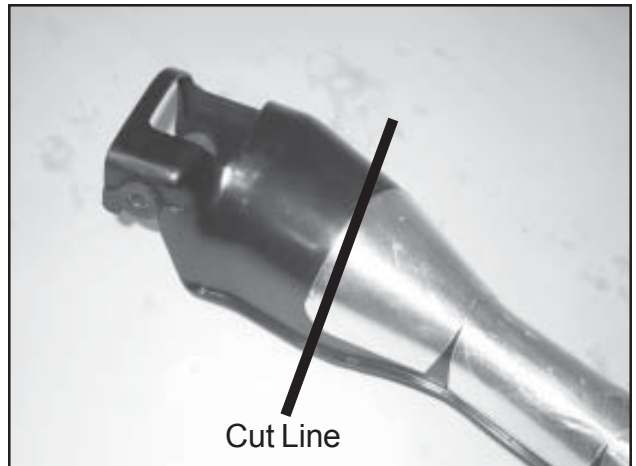


Figure 13 Recommended Cut Line

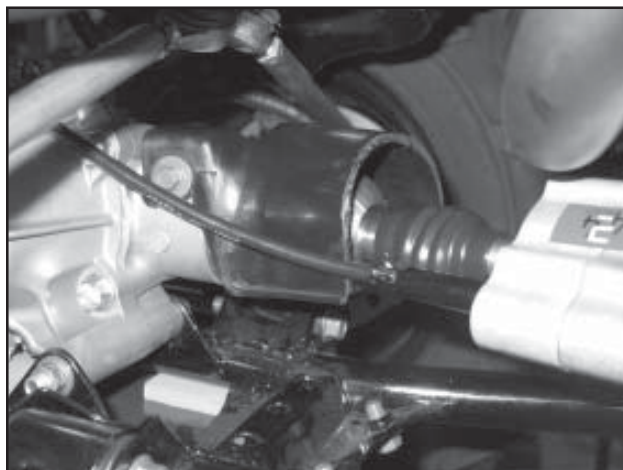


Figure 14 U-Joint Cover on Differential

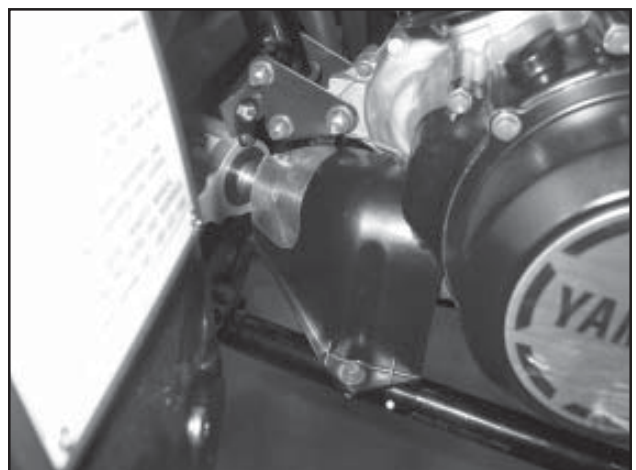


Figure 15 U-Joint Cover on Engine

III. CONTROL CABLE ROUTING

1. To route and install cable it is necessary to remove handle assembly from the cable. Remove black handle by loosening setscrew, and unscrewing handle from brass sleeve, **Figure 16**.
2. Unscrew mounting sleeve from cable adjuster (two silver knurled pieces), **Figure 17**.
3. Push button and brass piece through mounting sleeve just enough so cable can be removed, **Figure 18**.
4. Remove 9/16" nut from cable adjuster for easier routing. Route cable using the least number of and largest bends possible to allow for the smoothest operation of cable. The initial routing should be above the differential and below the steering control arms.
5. Slide the rubber grommet, located on the left front side of the ATV, away from the plastic fender so that the cable can be routed through this area, **Figure 19**.

CAUTION

Avoid kinking or damaging the control cable and housing during installation.

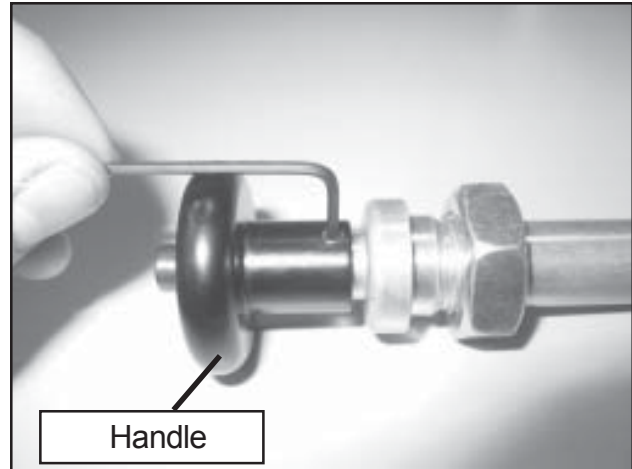


Figure 16 Black Handle

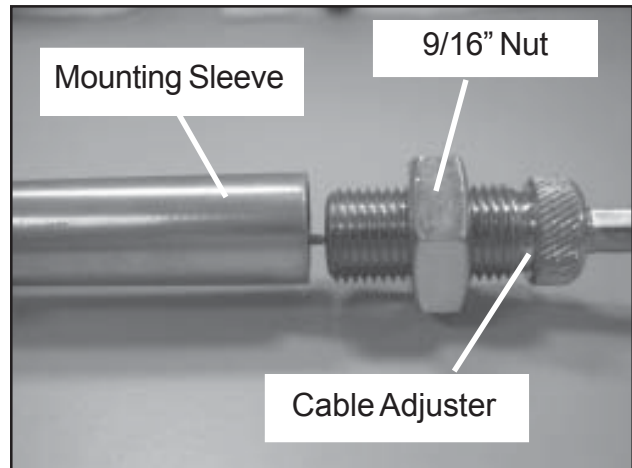


Figure 17 Mounting Sleeve and Cable Adjuster

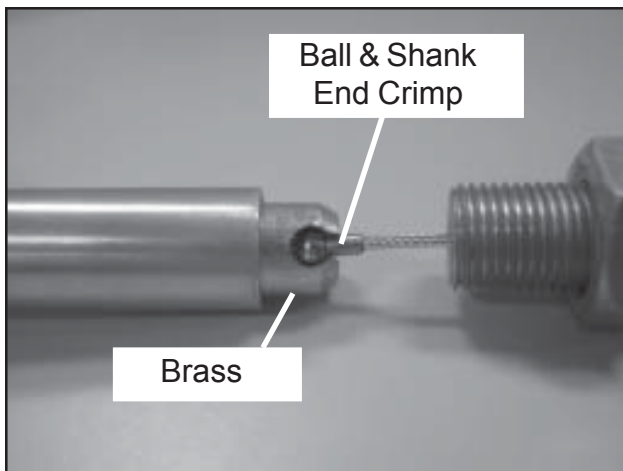


Figure 18 Cable Removal

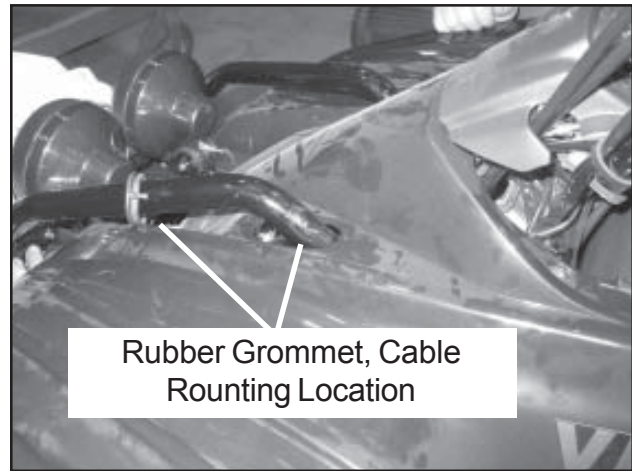


Figure 19 Cable Routing

III. CONTROL CABLE ROUTING continued....

6. If necessary, use cable ties to keep cable away from moving parts. If used, keep ties loose to allow free operation of cable.

7. Place the rubber grommet back into it's original position, **Figure 20**. Determine a mounting location for the cable bracket, **Figure 21**.

Note: *Before drilling, verify the handle is clear of any obstruction while turning the handlebars. Turn handlebars to full left and right.*

8. Using mounting bracket as a template, mark and drill two 1/4" holes through plastic.

9. Mount bracket using two 1/4" – 20 x 1" bolts, lock nuts and fender washers. Slide mounting sleeve through mounting bracket and hand tighten 3/4" nut.

10. Before reinstalling handle assembly make sure 9/16" nut is threaded on cable adjuster. Install cable by putting ball & shank end crimp in brass slot, and push brass back through mounting sleeve **Figure 18**.

11. Thread cable adjuster and mounting sleeve together, **Figure 17**. Make sure brass piece is far enough in mounting sleeve to engage threads.

12. Install black handle until threads bottom out with light finger pressure, **Figure 16**. *Do not over tighten.* Tighten set screw.

Note: Do not use pliers on brass



Figure 20 Cable Routing

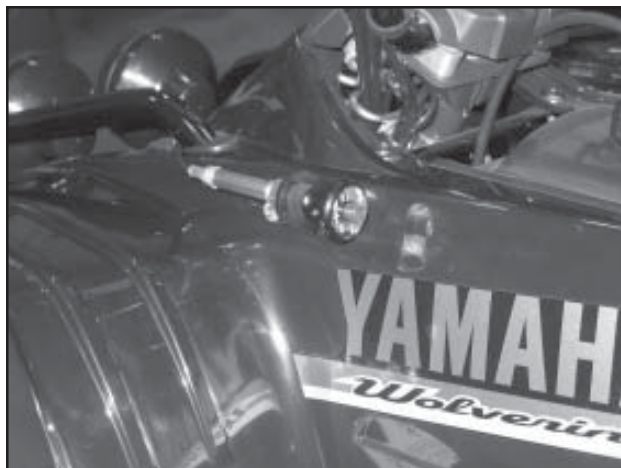


Figure 21 Cable Bracket Location



WARNING

Know what is behind plastic when drilling.
Avoid all electrical wires and DO NOT drill
into the gas tank.

CABLE ADJUSTMENT

Test for proper operation of the 424 Select unit. The cable should have a smooth pull and should positively lock into the 4X2 mode when pulled. Release the cable and shift into 4X4 by depressing the push button. If cable assembly feels stiff or will not lock into position, adjust cable assembly in at the adjuster (less thread showing) until proper feel is achieved, **Figure 22**. The handle should bottom out on the mounting sleeve in 4X4, (no brass showing). After properly adjusting, tight 3/4" and 9/16" nut.

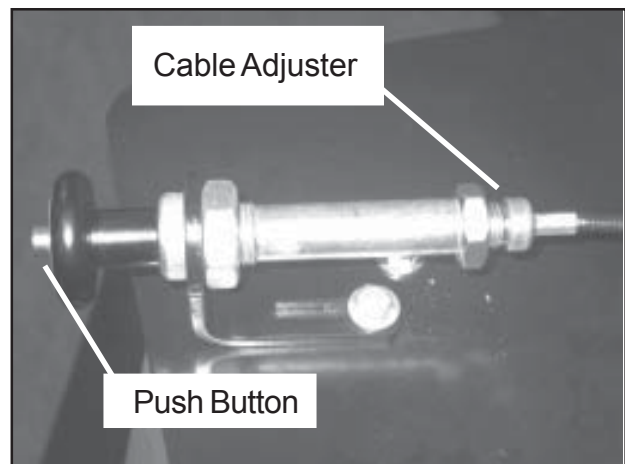


Figure 22 Cable Adjustment

SERVICE KIT PART NUMBERS

Warn PN 63739	Cable Replacement Kit
Warn PN 63743	Bearing/Seal Replacement Kit