BEARING AND SEAL SERVICE KIT INSTALLATION INSTRUCTIONS

SERVICE KIT: WARN PN 63743

As you read these instructions, you will see **NOTES**, **CAUTIONS**, and **WARNINGS**. Each message has a specific purpose. **NOTES** are additional information to help you complete a procedure. **CAUTIONS** are safety messages that indicate a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. A **CAUTION** may also be used to alert against unsafe practice or possible equipment damage. **WARNINGS** are safety messages that indicate a potentially hazardous situation, which, if not avoided could result in serious injury. **CAUTIONS** and **WARNINGS** identify the hazard, indicate how to avoid the hazard, and advise of the probable consequence of not avoiding the hazard. **PLEASE WORK SAFELY!**

⚠ WARNING

FAILURE TO FOLLOW THIS WARNING MAY CAUSE VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH.

FAILURE TO TIGHTEN ALL NUTS AND BOLTS SECURELY ON THE INSTALLED HARDWARE CAN RESULT IN VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH.

A CHANGE IN THE HANDLING CHARACTERISTICS OF YOUR ATV WILL OCCUR IN THE 4X2 MODE.

PARTS LIST

Part Number	*Description*	*Qty*
1010	Retaining Ring, Cable	1
11533	Retaining Ring, Prop-Shafts	4
62335	Gasket	1
62614	Seal	2
62618	Bushing	1
62619	Spring	2
62620	Bearing	2
9477	8-32 x 1.5 Screws	4
62757	Grease	1

TOOLS REQUIRED

9/64” Allen Wrench
Snap-Ring Pliers
Needle Nose Pliers
3/4” Box Wrench

I. REMOVING CABLE

1. Remove the WARN 424 Select unit from ATV. Refer to the original installation instructions for detailed procedures. The instructions can also be obtained from www.warn.com.

2. Once the unit is removed from the ATV, remove the 4 cap-screws that fasten the housings together, **Figure 1**.

3. ***CAREFULLY*** split the housings apart and remove the retaining ring on the cable assembly, **Figure 2**.

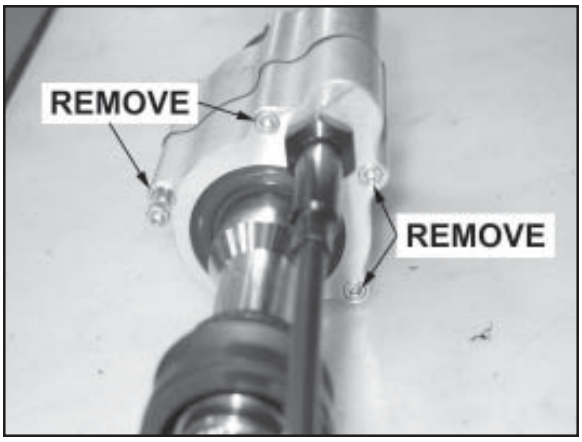


Figure 1

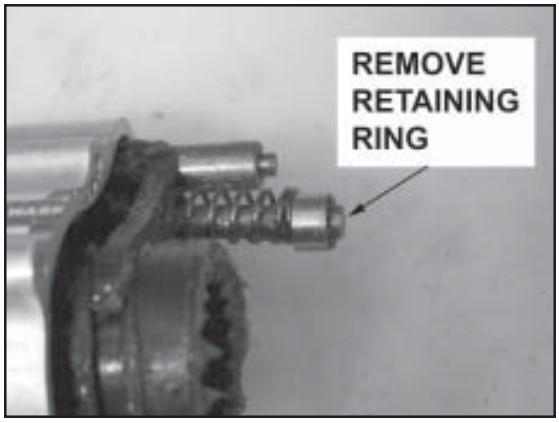


Figure 2

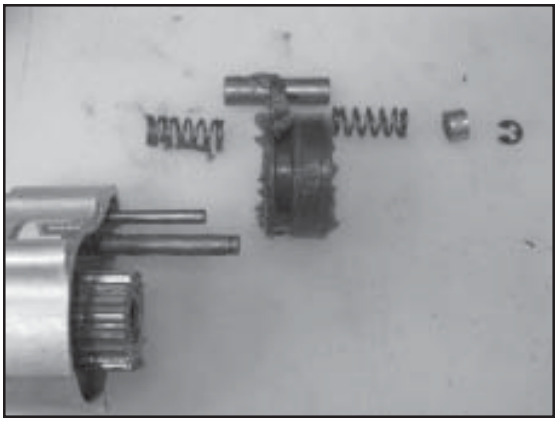


Figure 3

4. Remove the bushing, shift collar, shift fork and two springs from the cable assembly, **Figure 3**. *Keep the shift collar and shift fork, these components will be reused.*

5. Remove the cable assembly from the output housing.

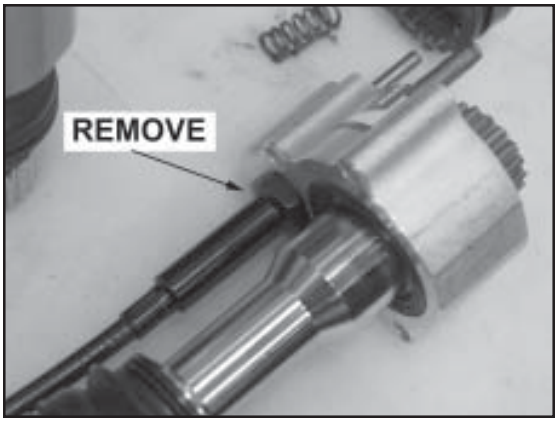


Figure 4

II. REMOVE PROP-SHAFTS

1. Remove both retaining rings from each prop-shaft, **Figure 5**.

2. Carefully press each prop-shaft from the housing assembly. *Prop-shafts will be reused.*

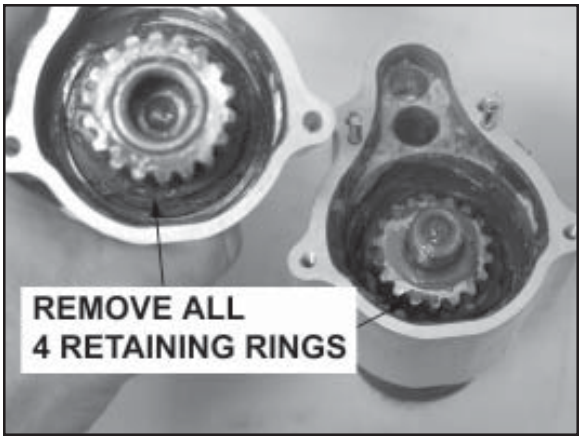


Figure 5

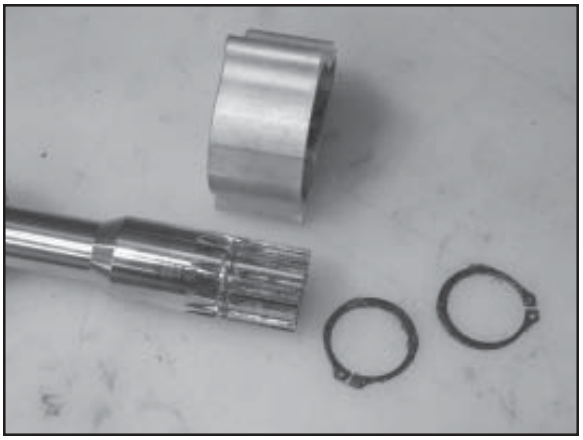


Figure 6

III. CAREFULLY REMOVE SEALS AND BEARINGS

1. CAREFULLY remove both seals by prying the seal out using a flat head screwdriver, **Figure 7**.

2. CAREFULLY press the bearings out of each housing using a socket with an outside diameter the same size as the inner race ring of the bearing, **Figure 8** and **Figure 9**.

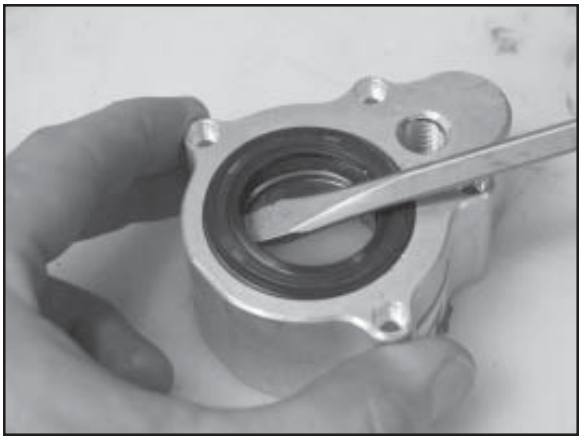


Figure 7

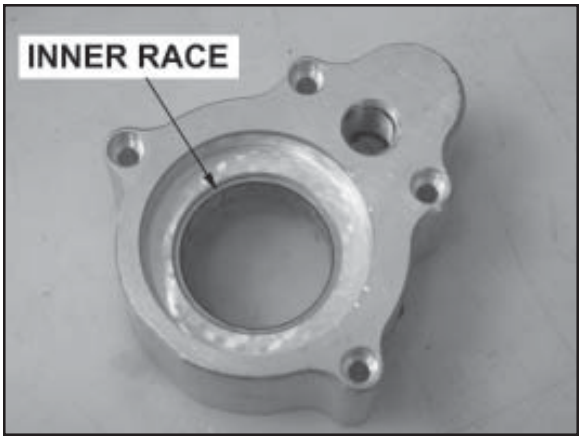


Figure 8

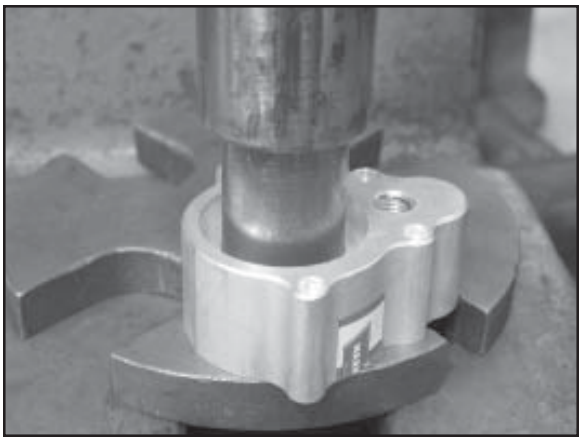


Figure 9

IV. CAREFULLY INSTALL NEW SEALS AND BEARINGS

1. Using a socket with the approximate outside diameter as the outside diameter of the seal, CAREFULLY press the new seals into each housing, **Figure 10**.

2. Using a socket with an outside diameter the same as the outside diameter of the outer race of the bearing, CAREFULLY press in the new bearing into each housing, **Figure 11**.

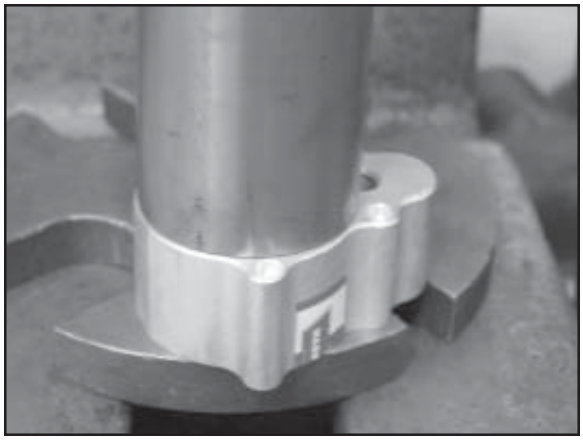


Figure 10

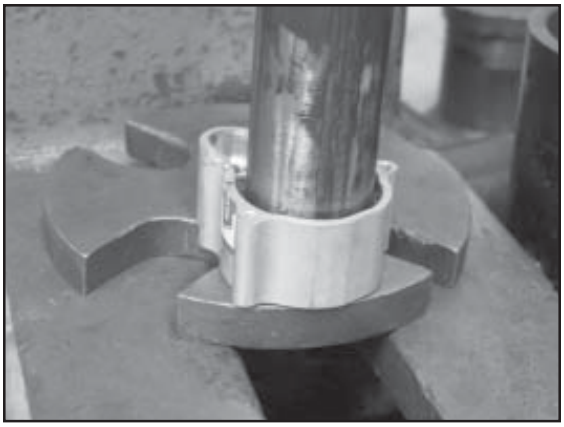


Figure 11

V. INSTALL PROP-SHAFTS INTO HOUSING ASSEMBLIES

1. Before installing prop-shafts into housing, grease the cavity between the new seal and bearing on both housings.

2. Press each shaft into the correct housing assembly from the seal side. Refer to **Figure 13** for correct location of each shaft with housing. The input shaft (no needle bearing) presses into the longer housing. The output shaft (with needle bearing) presses into the shorter housing (housing with cable assembly). When pressing the shaft into the housing, place a socket on the outside bearing race to keep the bearing from slipping out. Press each shaft to the depth equal to the second retaining ring groove.

3. After pressing the shafts to the correct depth, place the new retaining rings onto each shaft. If necessary, press the shafts in the opposite direction to insure that the bearing is completely seated in the housing and that each shaft is at the proper location.

VI. REINSTALL CABLE

⚠ NOTE

DO NOT PULL CABLE HANDLE OUT UNTIL NEW CABLE IS INSTALLED ON UNIT. THIS WILL EXPOSE THE DETENT BALL IN THE CABLE ASSEMBLY RESULTING IN A LOST DETENT BALL.

Figure 12

1. Before installing new cable, apply thread sealer (Loctite 242) to the threads of the new cable, **Figure 12**.

2. Install cable into output housing and tighten. Place the new springs, existing shift fork, existing shift collar, new bushing and retaining ring onto the cable output end, **Figure 13**.

   NOTE: MAKE SURE THE SHIFT COLLAR IS INSTALLED IN THE CORRECT DIRECTION, CHAMFERED SIDE TOWARDS THE SHORTER SHAFT. IF INSTALLED INCORRECTLY THE UNIT WILL NOT LOCK IN THE 4X4 MODE.

3. If necessary, grease inside of both housing halves with supplied grease in service kit. Make sure all components are coated thoroughly.

4. Place the new gasket over the location pins and assemble housings together. Tighten screws at this time.

   Recommended Torque Specification: 25-30 in lbs (2-2.5 ft lbs)

5. Test for proper operation before installing on ATV. With the cable pulled out, shafts should rotate independently of each other. When cable is pushed in, shafts must rotate dependant of each other.

⚠ NOTE

WHEN TESTING FOR PROPER OPERATION, IT IS NOT NECESSARY TO PUSH IN THE RED BUTTON TO PULL OUT THE HANDLE. THE RED BOTTON MUST ONLY BE USED TO UNLOCK THE CABLE ASSEMBLY TO RETURN TO THE 4X4 MODE. IF RED BUTTON IS PUSHED IN WHILE PULLING THE HANDLE OUT, OVER TRAVEL MAY OCCUR RESULTING IN A LOST DETENT BALL.

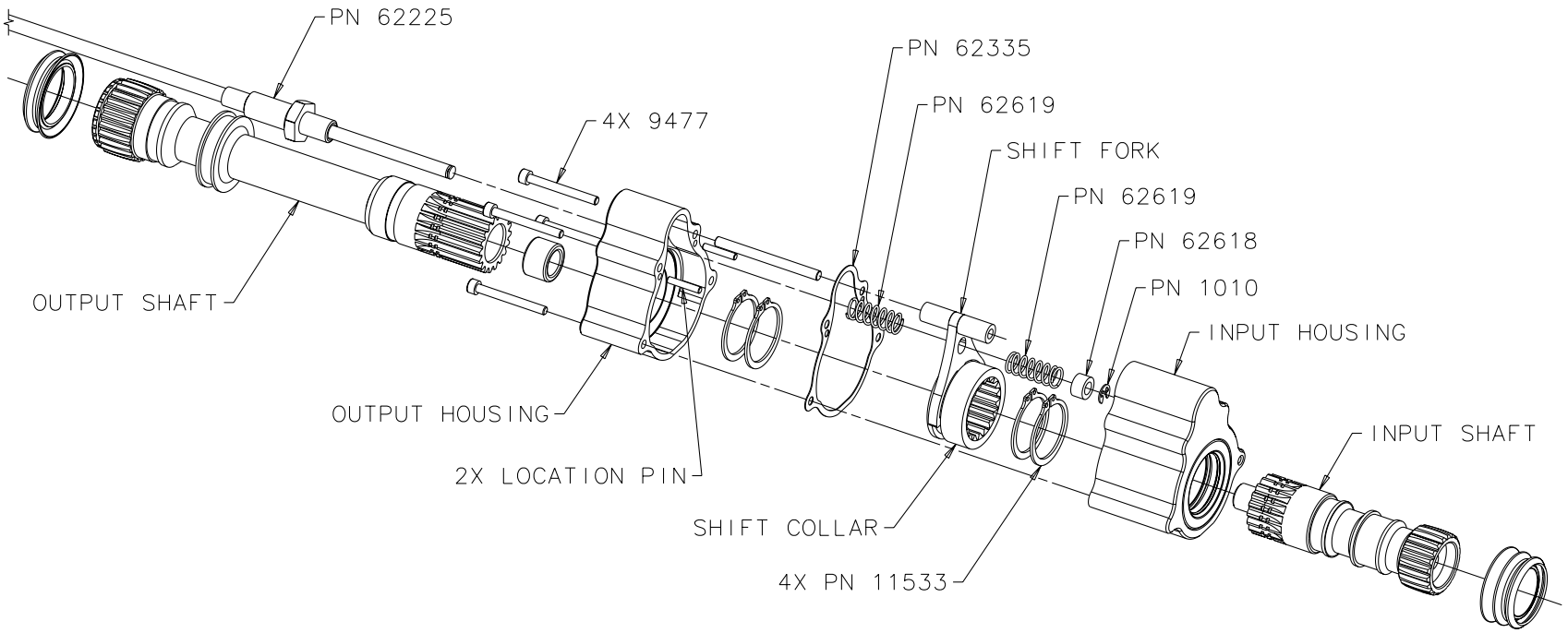
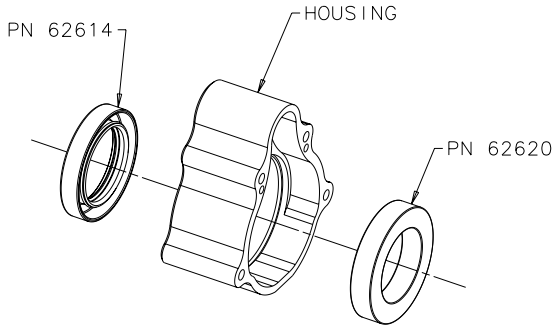

PN 62225
4X 9477
PN 62335
PN 62619
SHIFT FORK
PN 62619
PN 62618
PN 1010
INPUT HOUSING
OUTPUT SHAFT
OUTPUT HOUSING
2X LOCATION PIN
INPUT SHAFT
SHIFT COLLAR
4X PN 11533

Figure 13


PN 62614
HOUSING
PN 62620