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"The Alternate Source"SM

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ATK664 SHUTTER RELEASE REPAIR KIT TO FIT PERI-PRO® III INSTALLATION INSTRUCTIONS

INSTALLATION TIP

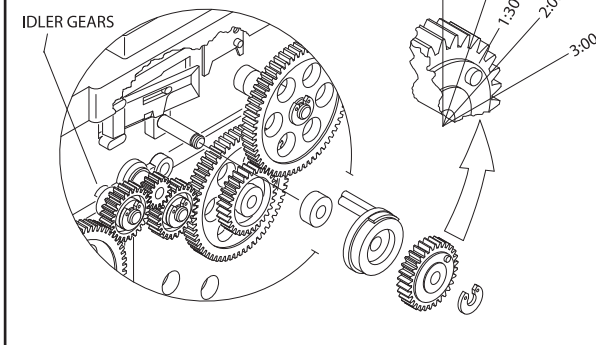
Use a pin punch or center punch to tap gears, shafts and bushings for removal or installation. To avoid damage to the transport while tapping these parts, support the underside of transport frame with a several strips of wood in varying sizes (eg. 1"x1", 2"x2" and 2"x4") as needed.

- To repair the Upper Transport, first remove the Top Plate by using a pin punch or center punch to partially tap out the three Top Plate Pins from the back side of the Transport. Using pliers, twist and pull the pins all the way out – making sure that the knurled part of the pin exits first. **See Figures 2 and 3 shown on the reverse side.**
SERVICE TIP: This is a good time to clean and dry the Shutter Plate and the under side of the Top Plate.
- Remove the Shutter Release Bar, Spring Pin, and Compression Spring by first removing the Spring Pin (RPI Part #ATP602). To remove the Spring Pin, use a pin punch or center punch to partially tap out the pin from the top side. Use pliers to pull pin all the way out by twisting and pulling.
SERVICE TIP: This is a good time to clean the Release Bar Tabs. **See Figure 3.**
- Install the new Shutter Release Bar (RPI Part #ATB600), Spring Pin (RPI Part #ATP602), and Compression Spring (RPI Part #ATS601). Once installed, inspect the Shutter Release Bar for free movement and spring back action.
- Place the parts listed below on the shaft in the following order:
 - Spacer (RPI Part #ATS652).
 - Hub & Pin Assembly (RPI Part #ATH665) with the pins pointing to the 3:00 o'clock position.
 - Timer Gear (RPI Part #ATG605) with the raised molded dot pointing to the 1:30 o'clock position – **See Figure 1 above.** (Note: The upper and lower transfer arms must be held in the horizontal position while setting the Timer Gear – **See Figure 2).**
 - Plastic Snap Ring is the last part to be placed on the shaft in order to secure the other parts.
- Replace the Rubber Bumper (RPI Part #ATB609) which is used to dampen the Shutter Plate return – **See Figure 3.**
Note: Use Silicone Gasket Maker (RPI Part #RPS639) as an adhesive to secure the Rubber Bumper in place to keep it from falling out.

- Replace the Shutter Return Spring (RPI Part #ATS603) – **See Figure 2. CAUTION: Do not over stretch the Shutter Return Spring during installation.**

FIGURE 1

TIMING GEAR ALIGNMENT
CONDITION WHEN TRANSFER
ARMS ARE ORIENTED HORIZONTAL
AS SHOWN



- Assembling the Top Plate, lay the Shutter Plate back onto the Top Plate using your finger, apply side pressure to Shutter Plate Pin to keep the Shutter Plate from falling out while aligning Top Plate holes to Transport holes. Ensure Shutter Plate operates freely before completely installing Top Plate Pins. Tap the Top Plate Pins in place one at a time – **See Figure 2.**
- If you are going to install the Transport Repair Kit (RPI Part #ATK663), do so at this time, then proceed to Step #9.

If you have already installed the Transport Repair Kit (RPI Part #ATK663), then proceed to Step #9.

If you do not have to install the Transport Repair Kit (RPI Part #ATK663), then proceed to Step #9.
- Adjust timing of transport as follows:**
 - If all arms are in sync and in the horizontal position with each other (**See Figure 2**), but the raised molded dot on the Timer Gear (RPI Part #ATG605) is not in correct 1:30 o'clock timing position (**See Figure 1**), then remove the Plastic Snap Ring and slide the Timer Gear off of the shaft, then re-align the Timer Gear. Verify alignment and timing.
 - If any section (RINSE WATER, FIXER or DEVELOPER) or any part of a section is out of sync, but other sections are aligned and in time, then adjust only that section. Remove the Plastic Snap Ring and slide the Idler Gear off of the shaft from the same section, then re-align the Idler Gear. Verify alignment and timing.
 - Check for normal operation as follows: Pull back on the Shutter Plate Pin and the latch should lock the Shutter Plate in place. Rotating the gears clockwise, the Hub & Pin Assembly will engage the Shutter Release Bar and the Shutter Plate will retract slightly. The film will then drop into the Transport and the Shutter Plate will spring forward to its resting position. The film will be transferred from the DEVELOPER to the FIXER and then to the WATER section of the processor without getting caught up by the transfer.

FIGURE 2
PERI-PRO® III
TRANSPORT (REAR VIEW)

* Included in Shutter Release Repair Kit (RPI Part #ATK664)
 ** Included in Transport Repair Kit (RPI Part #ATK663) PLUS
 the Shutter Release Repair Kit is also include in this Kit!

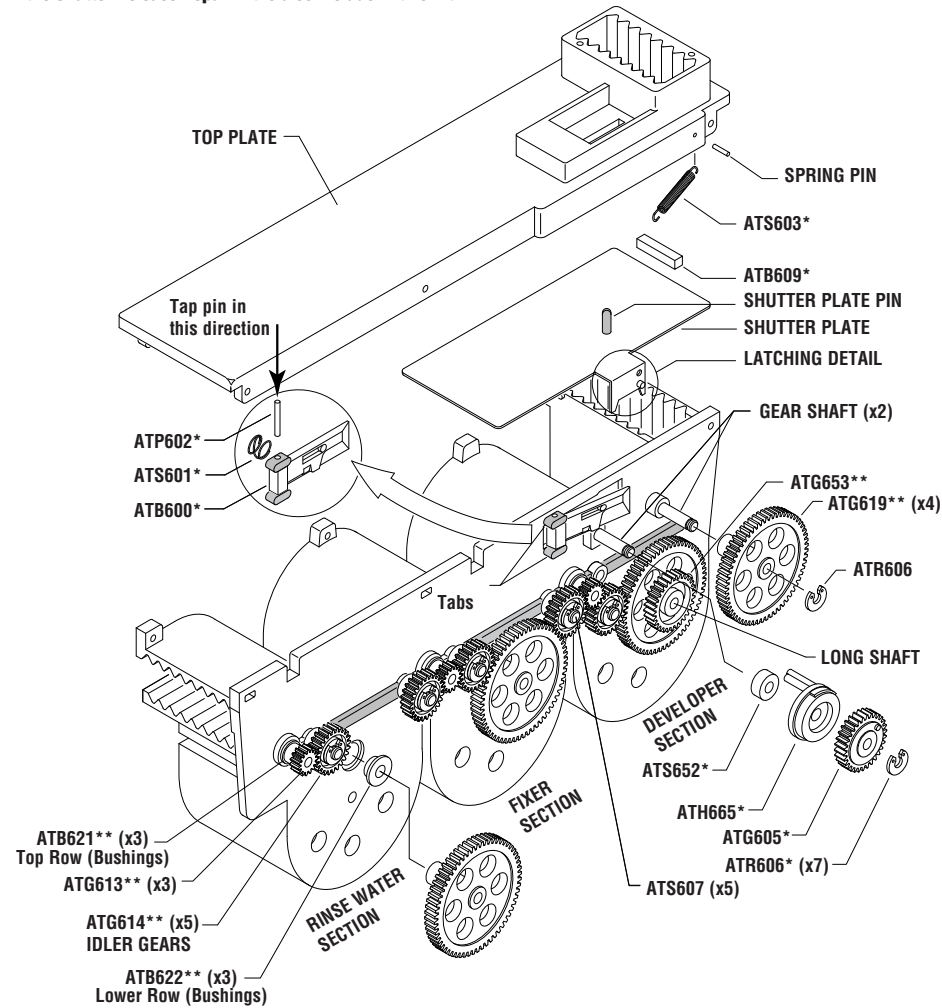
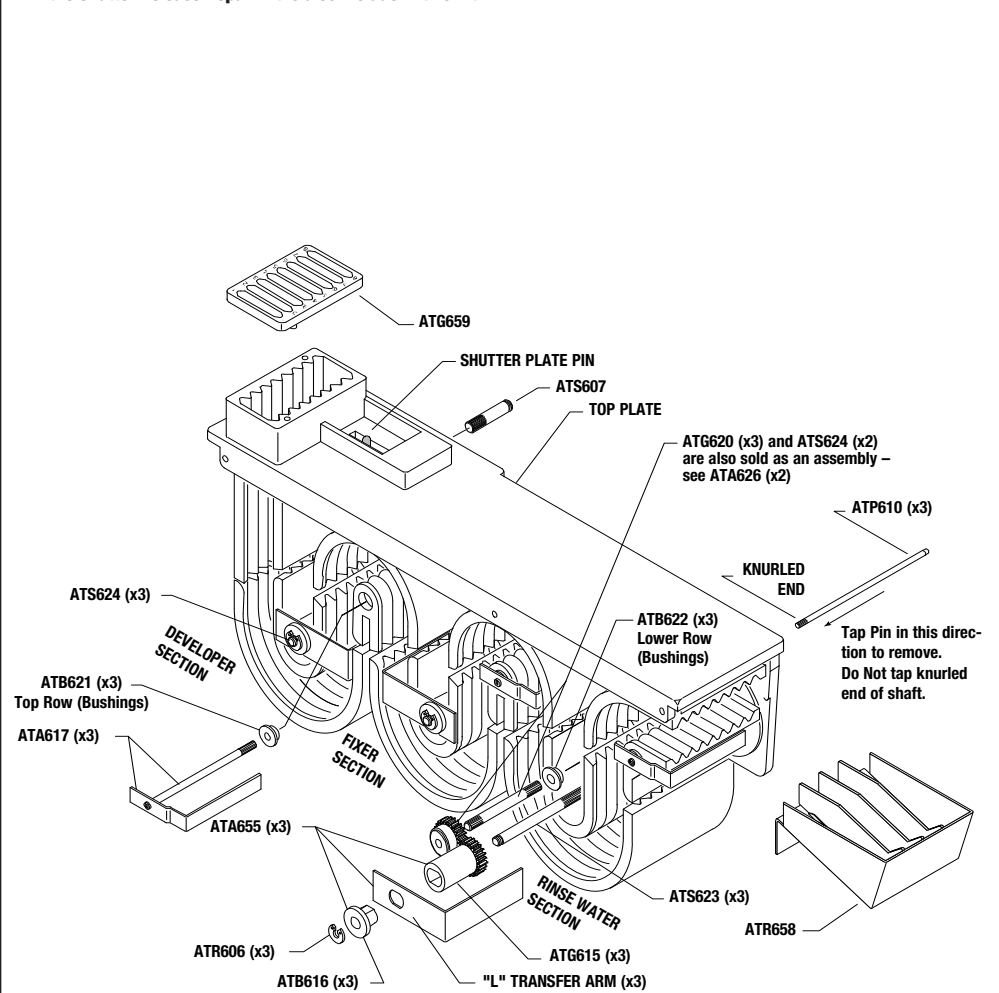


FIGURE 3
PERI-PRO® III
TRANSPORT (FRONT VIEW)

* Included in Shutter Release Repair Kit (RPI Part #ATK664)
 ** Included in Transport Repair Kit (RPI Part #ATK663) PLUS
 the Shutter Release Repair Kit is also include in this Kit!



ATK664
SHUTTER RELEASE
REPAIR KIT

| | RPI PART # | DESCRIPTION | QTY |
|--------------------------|------------|---------------------|-----|
| <input type="checkbox"/> | ATB600 | SHUTTER RELEASE BAR | 1 |
| <input type="checkbox"/> | ATB609 | RUBBER BUMPER | 1 |
| <input type="checkbox"/> | ATG605 | TIMER GEAR | 1 |
| <input type="checkbox"/> | ATH665 | HUB & PIN ASSEMBLY | 1 |
| <input type="checkbox"/> | ATP602 | SPRING PIN | 1 |

| | RPI PART # | DESCRIPTION | QTY |
|--------------------------|------------|-----------------------|-----|
| <input type="checkbox"/> | ATR606 | PLASTIC SNAP RING | 1 |
| <input type="checkbox"/> | ATS601 | COMPRESSION SPRING | 1 |
| <input type="checkbox"/> | ATS603 | SHUTTER RETURN SPRING | 1 |
| <input type="checkbox"/> | ATS652 | SPACER | 1 |