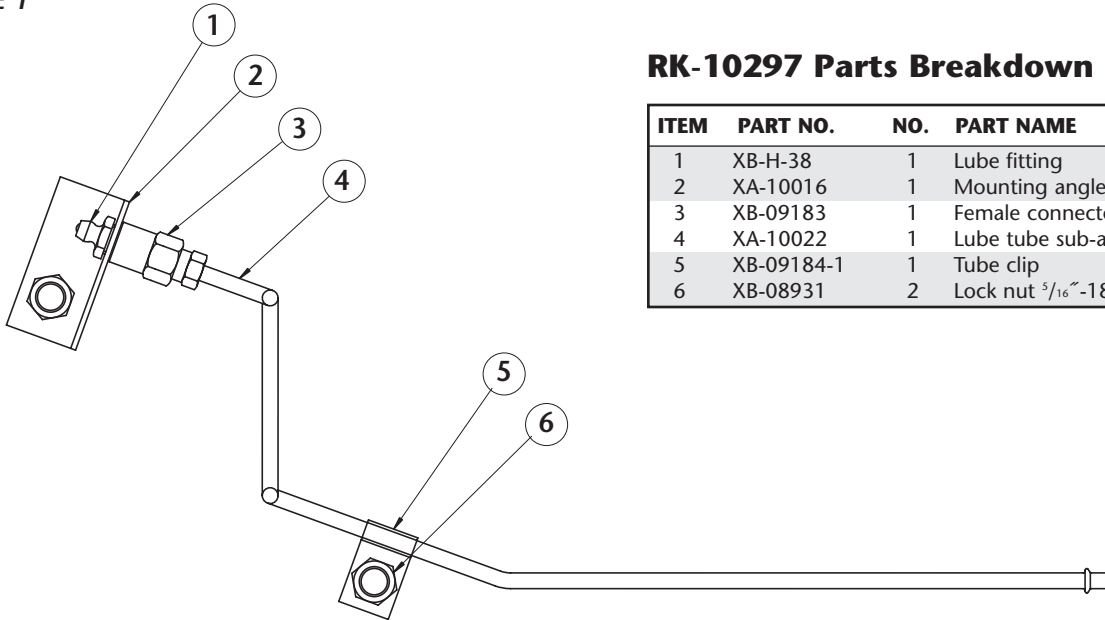


This manual contains procedures to replace the lube tube on the XA-231 Series LowLube Fifth Wheel Top Plate. To rebuild the fifth wheel top plate locking mechanism, refer to Holland publication *XL-FW355 Rebuild Procedures for XA-231-A-L Fifth Wheel Top Plates*. To replace the fifth wheel lube plates and pocket inserts, refer to Holland publication *XL-FW434 Lube Plate and Pocket Insert Replacement for XA-231 Series Top Plates*.

FIGURE 1



RK-10297 Parts Breakdown

ITEM	PART NO.	NO.	PART NAME
1	XB-H-38	1	Lube fitting
2	XA-10016	1	Mounting angle
3	XB-09183	1	Female connector fitting
4	XA-10022	1	Lube tube sub-assembly
5	XB-09184-1	1	Tube clip
6	XB-08931	2	Lock nut $\frac{5}{16}$ "-18

GENERAL SAFETY INSTRUCTIONS

Before attempting any repair procedures you must read and understand the following:

- **DO NOT** attempt to replace components on any XA-231 fifth wheel without following the instructions contained in this manual.
- **DO NOT** modify, change, or add to the product. Use only genuine Holland parts.
- Perform all procedures in a lighted area clear of obstacles and other personnel.
- Always wear safety goggles during removal, installation, or service procedures.
- **DO NOT** strike any part of the product with a steel hammer.
- Observe standard precautions when lifting.
- Always verify proper operation and adjust the fifth wheel after performing any service procedures. Refer to Holland publication *XL-FW355*.

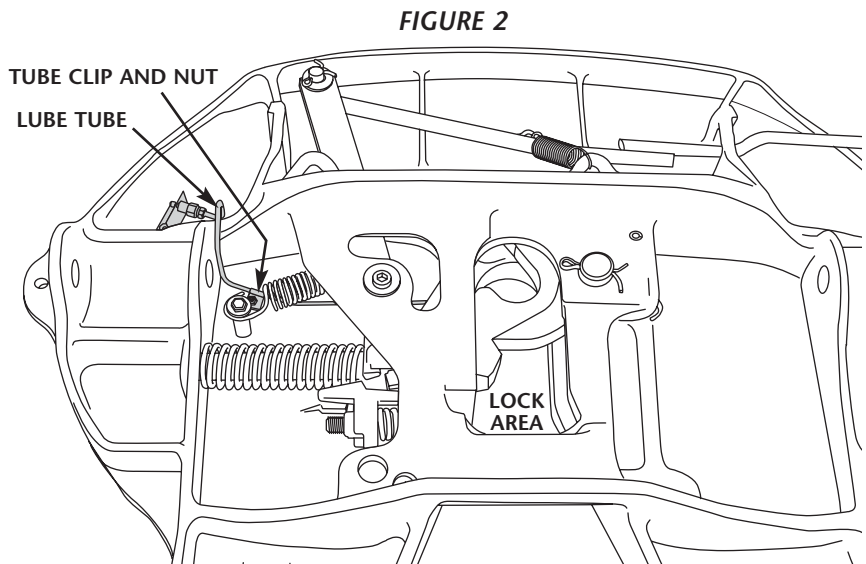
BEFORE REPLACING THE LUBE TUBE

Review the guidelines below. You may find that component replacement is unnecessary.

LUBE TUBE INSPECTION

Thoroughly clean the lube tube and all connecting components. Replace the lube tube if:

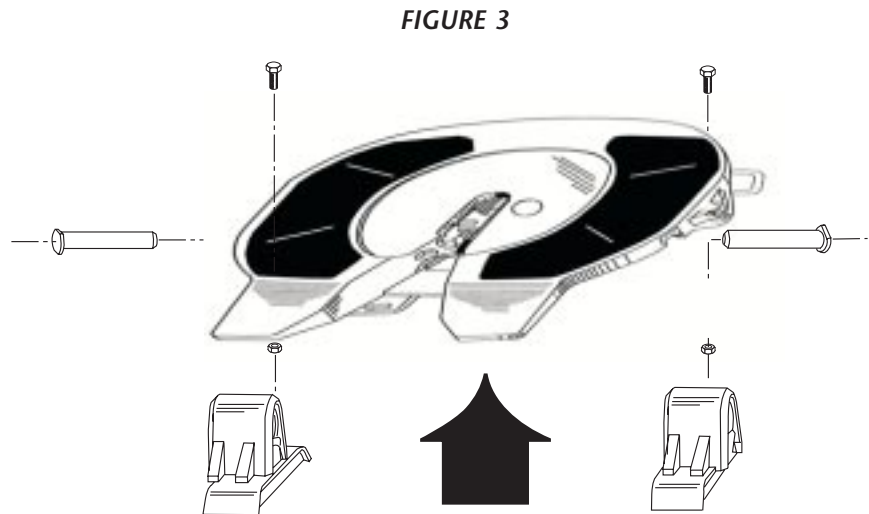
1. Lube Tube is crimped, broken, or damaged in any way.
2. Lube Tube no longer has the ability to transfer grease to the locks.
3. Grease fittings no longer hold a tight seal.



LUBE TUBE REPLACEMENT

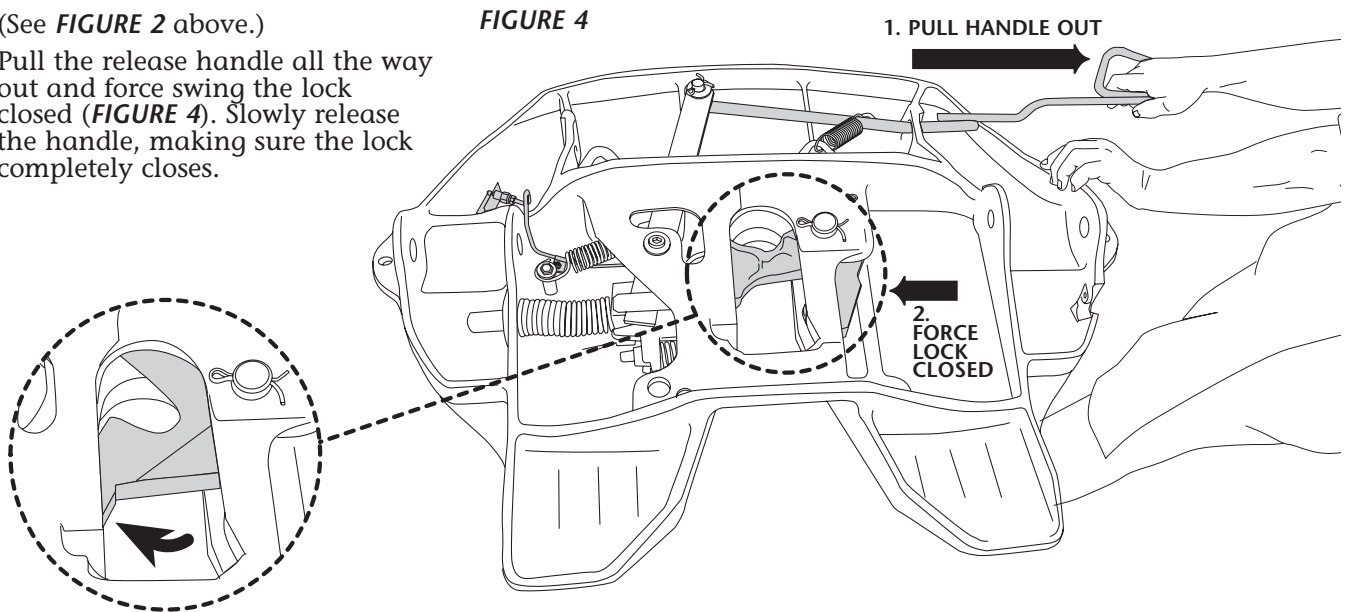
CAUTION When removing the fifth wheel, the pocket inserts may be loose in the pockets and may fall out, causing personal injury when handling. Be sure to pry out and remove loose pocket inserts prior to handling.

1. Remove the fifth wheel from the tractor.
2. Depending on the condition of the fifth wheel, it may be beneficial to apply a rust dissolving penetrant to the nuts (consult the manufacturer's instructions) prior to disassembly. Remove and **discard** the lock nuts and tube clips that secure the tube to the fifth wheel.



(See FIGURE 2 above.)

3. Pull the release handle all the way out and force swing the lock closed (FIGURE 4). Slowly release the handle, making sure the lock completely closes.



LUBE TUBE REPLACEMENT *continued*

- On left hand release top plates closing the hinged lock will relieve tension on the release arm spring. If so equipped (not used on right hand release), carefully remove the spring and keep it for reassembly. A release arm spring attachment tool may be used (see **FIGURE 5A**).

FIGURE 5

RELEASE ARM SPRING

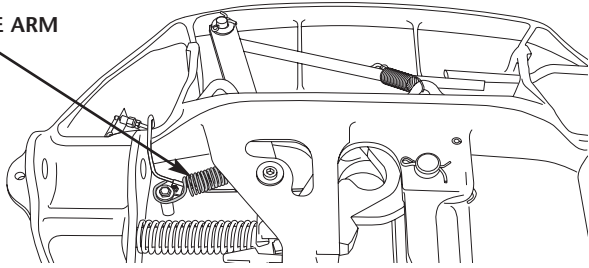
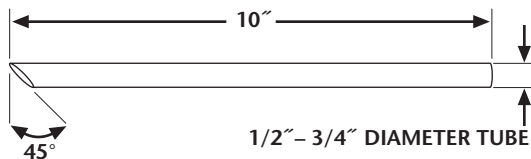


FIGURE 5A



- Remove and discard the nuts and the tube clip that secure the old lube tube to the fifth wheel (**FIGURES 6A and 6B**). Remove the remaining lube tube assembly by lifting up slightly and pulling outward (**FIGURE 6C**). Discard all components.

FIGURE 6A

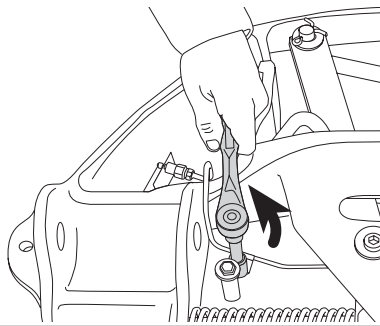


FIGURE 6B

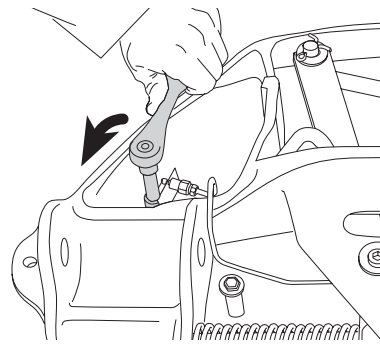
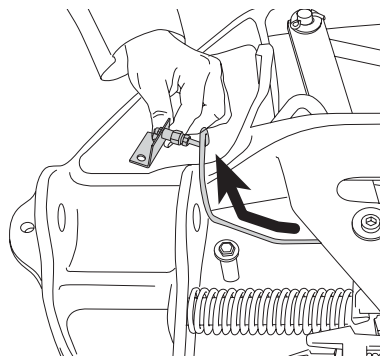


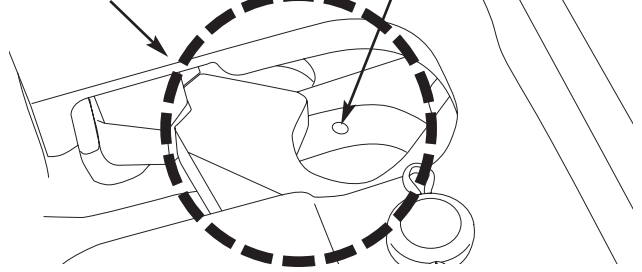
FIGURE 6C



- Thoroughly clean the top plate in the area where the lube tube is to be installed by removing dirt, grease, debris, etc. Make sure that the hole (A) on the side of the front lock is clear.

FIGURE 7

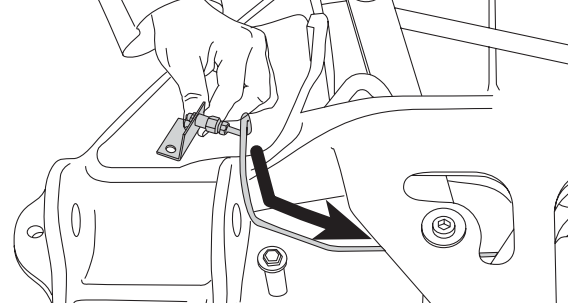
LOCK AREA



- Hand assemble the new lube tube (*Item 4*), female connector (*Item 3*), mounting angle (*Item 2*), and lube fitting (*Item 1*), as shown in **FIGURE 1**.

- Position the new lube tube assembly into the top plate as shown in **FIGURE 8**.

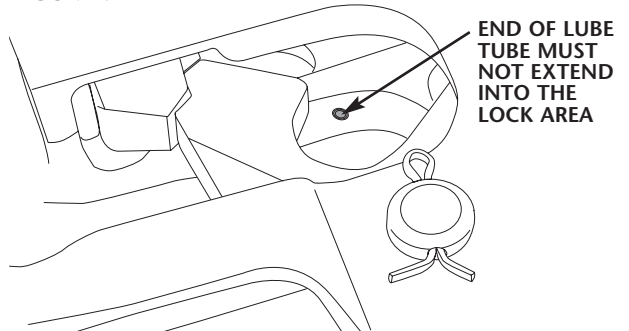
FIGURE 8



- Guide the end of the tube into hole A in the casting (see **FIGURE 7**).

- Lower the tube assembly while guiding the mounting angle over the lube plate stud. Push the lube tube assembly toward the center of the top plate. Check to see that the lube tube end is visible in the hole in the side of the front lock. The tube must not extend into front lock area.

FIGURE 9

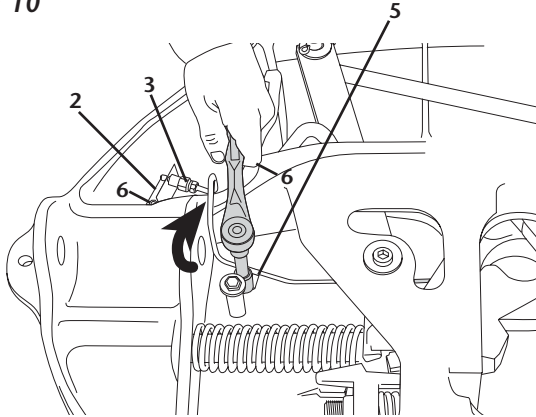


LUBE TUBE REPLACEMENT *continued*

11. Place the tube clip (*Item 5*) over the stud and lube tube as shown. Install the new nut (*Item 6*) and tighten to 12 ft-lbs (144 in-lbs) maximum. Install a new nut (*Item 6*) on the stud while holding the lube tube mounting angle (*Item 2*), and tighten to 12 ft-lbs (144 in-lbs) maximum

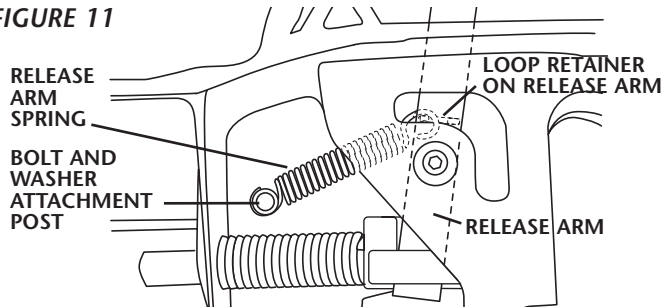
CAUTION DO NOT LUBRICATE OR OVERTIGHTEN NUTS! Doing so may cause the studs to fracture and fail.

FIGURE 10



12. Tighten the lube tube (*Item 4*) and lube fitting (*Item 1*) to the female connector (*Item 3*).
13. Reattach the release arm spring removed during disassembly to the loop retainer on the underside of the release arm (see **FIGURE 11**). Hook the other end of the release arm spring around the bolt and washer post as shown. A release arm spring attachment tool may be used (see **FIGURE 5A**).

FIGURE 11



14. Open the swing lock by pulling the release handle all the way out until the hinged lock swings open.

15. Check operation and adjustment of the fifth wheel. Refer to Holland Publication XL-FW418 "FleetMaster LowLube Operating and Maintenance Procedures".

WARNING Do not ship the fifth wheel top plate with taped in pocket inserts. The pocket inserts could become loose, fall out, and become projectiles which could cause serious personal injury or death during open trailer or truck transport.

17. Reinstall the fifth wheel onto the tractor making sure the pocket inserts are installed (a strip of double faced tape can be used to hold pocket inserts in place in the top plate while installing). Check for free and proper articulation making sure the fifth wheel does not bind.
18. Apply grease to the lube fitting (*Item 1*) and check for grease delivery to the side of the front lock.

Refer to Holland publication XL-FW418 (FW83/XA-231 *Owner's Manual for Operating Instructions and Maintenance Procedures*).

Visit the Holland website at: www.thehollandgroupinc.com to obtain additional literature.



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