

Lube Plate Replacement

NoLube and LowLube Fifth Wheels

FW31 NoLube, FWAL Aluminum NoLube, FW33 LowLube, and FW83 FleetMaster LowLube

XA-311, XA-AL, XA-331, and XA-231 Series Top Plates

General Safety Information

This document contains procedures to replace the lube plates on the XA-311, XA-AL, XA-331, and XA-231 Series Fifth Wheel Top Plates.

NOTE: In the United States, work shop safety requirements are defined by federal and/or state Occupational Safety and Health Act. Equivalent laws may exist in other countries. This document is written based on the assumption that OSHA or other applicable employee safety regulations are followed by the location where work is performed.

IMPORTANT: All maintenance must be performed while the tractor is uncoupled from the trailer.

Read and observe all Warning and Caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.

All fifth wheel replacement procedures must be performed by a properly trained technician using proper tools and safe procedures.

IMPORTANT: You must read and understand all of the procedures contained in this manual before attempting any replacement procedures.

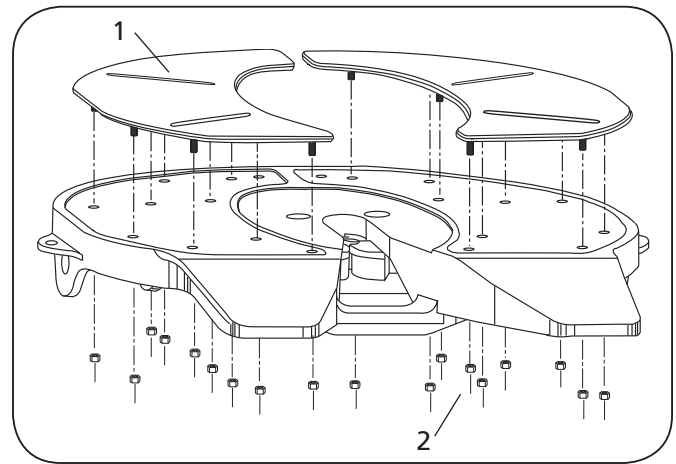
WARNING Failure to follow all of the procedures contained in this manual may cause a hazardous condition to develop which, if not avoided, may result in death or serious injury.

IMPORTANT: Prior to operation of the fifth wheel you must be thoroughly satisfied that the fifth wheel has been properly installed on the vehicle.

WARNING Failure to properly install the fifth wheel can adversely affect performance resulting in tractor trailer separation which, if not avoided, may result in death or serious injury.

Only SAF-HOLLAND Original Parts should be used.

A list of SAF-HOLLAND technical support locations to supply SAF-HOLLAND Original Parts can be found at: www.safholland.us or contact our customer service group at 1-888-396-6501.



RK-331-1 LUBE PLATE REPLACEMENT KIT (XA-311, XA-331, XA-AL)

ITEM	DESCRIPTION	PART NO.	QTY.
1	Lube Plate Set	XA-08125-L & -R	1
2	Locknut	XB-08931	18

RK-231-1 LUBE PLATE REPLACEMENT KIT (XA-231)

ITEM	DESCRIPTION	PART NO.	QTY.
1	Lube Plate	XA-10194	2*
2	Locknut	XB-08931	14

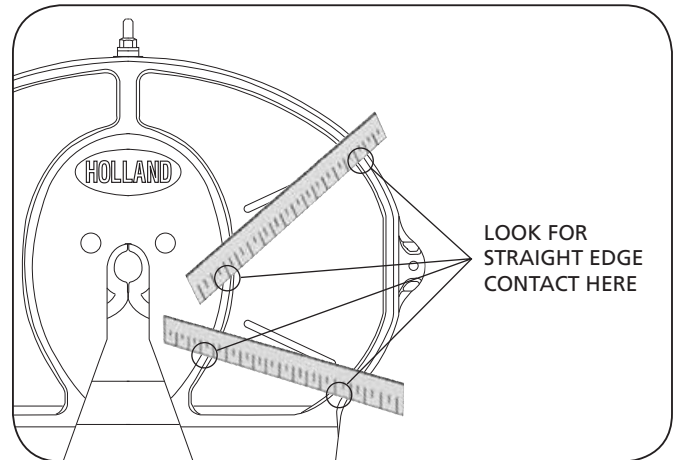
* Lube plate part number XA-10194 is symmetrical in shape and does not require a lefthand and righthand plate.

Lube Plate Inspection

IMPORTANT: Lube plate replacement may not be required. Before replacing the lube plates, perform the following inspection procedure.

1. Thoroughly steam clean top surface of fifth wheel for visual inspection. Replace lube plates if:
 - One or both lube plates is missing.
 - A straight edge laid across the lube plate contacts any portion of the fifth wheel surrounding the lube plates (**Figure 1**).
 - Lube plates are severely chipped, worn, cracked, gouged or bent.
 - 20% (40 sq. in.) or more of lube plate coating is missing from one or both plates due to normal wear or damage.

Figure 1



Top Plate Removal

NOTE: It may not be necessary to remove the fifth wheel from the tractor depending on mounting style, crossmembers, etc. For most situations, removal of the fifth wheel to access lube plate mounting fasteners will be necessary.

NOTE: Fifth wheel assembly has replaceable pocket inserts installed between the fifth wheel top plate and mounting base. Take care when removing the fifth wheel top plate not to lose the pocket inserts.

1. Remove bracket pin retention nuts and bolts from both sides of the fifth wheel top plate (**Figure 2**).
2. Using a pry bar, pull bracket retention pins out of the fifth wheel top plate (**Figure 2**).
3. Using a lifting device capable of lifting 500 lbs., remove top plate from the mounting base. Place fifth wheel on a flat, clean working area (**Figure 3**).

Figure 2

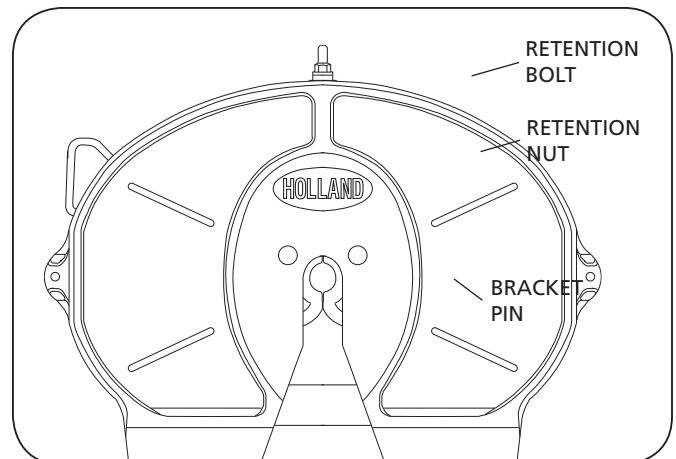
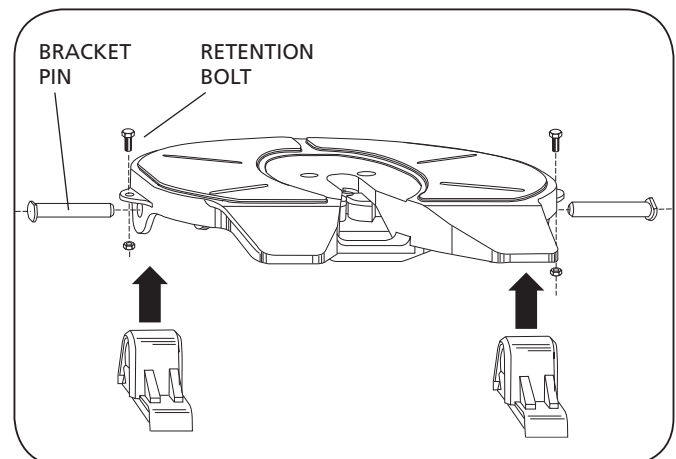


Figure 3



Lube Plate Replacement

Lube Plate Replacement

1. Remove and discard the 5/16" lock nuts that secure the lube plates (**Figure 4**).
2. Remove lube plates from fifth wheel and discard (**Figure 4**).
3. Steam clean or use a putty knife to remove dirt, grease, debris, etc. from fifth wheel top plate recess (**Figure 5**).

NOTE: If steam cleaning, allow to dry or remove excess moisture before next step.

4. Install new lube plates. Make sure lube plates are seated flat within the recess in fifth wheel top plate (**Figure 6**).

NOTE: Allow bowed lube plates to warm to room temperature before installation.

Figure 4

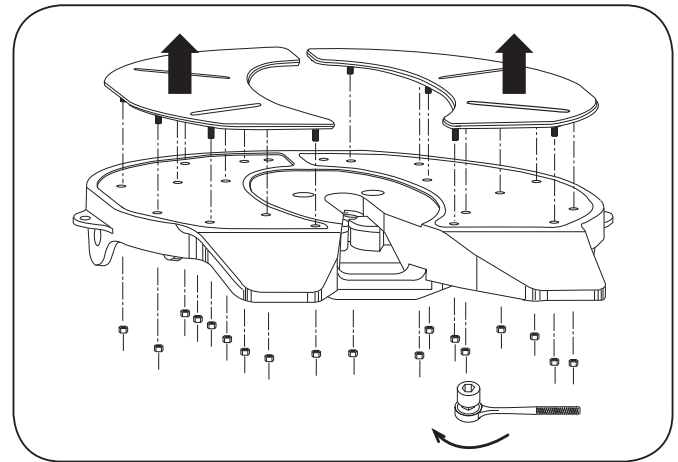


Figure 5

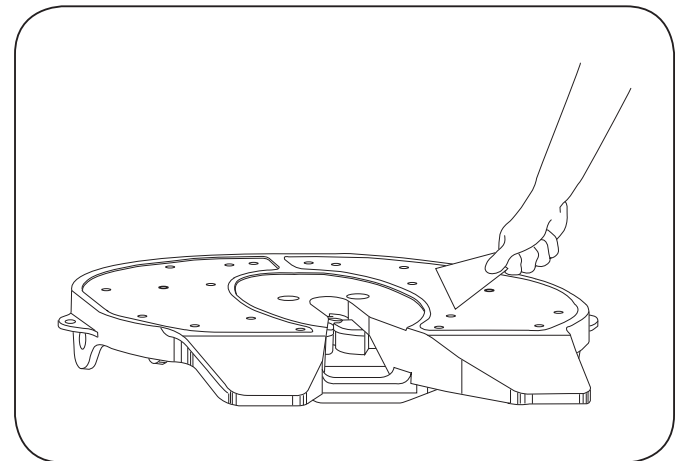
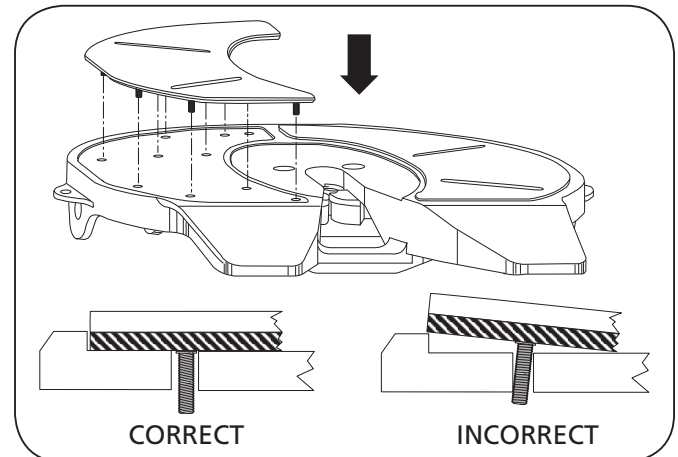


Figure 6





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Lube Plate Replacement

Lube Plate Replacement *continued*

6. Install new 5/16" lock nuts onto the lube plate studs. Tighten to 12 ft. lbs. (**Figure 7**).

IMPORTANT: DO NOT lubricate or overtighten. Check to see that the lube plates are pulled tight against the recess in the fifth wheel plate.

Re-Install Top Plate

1. If pocket inserts are dislodged from fifth wheel casting, clean pocket area of casting and apply a strip of double face tape in the bottom of inserts. Install pocket inserts by pressing down into pockets.
2. Prior to reinstalling XA-331 and XA-231 LowLube top plates, lubricate lock parts and pivot points per the procedures listed in their Owner's Manuals (XL-FW484/XA-331) and XL-FW492/XA-231). XA-311 and XA-AL NoLube top plates do not require lubrication.
3. Using a lifting device capable of lifting 500 lbs., reinstall the fifth wheel onto the tractor. Check for free and proper articulation to make sure fifth wheel does not bind.
4. Install bracket pins through the fifth wheel casting and mounting base and secure by installing the bracket pin retention bolts and nuts. Torque fasteners to manufacturer's recommendation. (**Figure 8**).
5. Check for free and proper articulation. Make sure fifth wheel does not bind.
6. Check operation of fifth wheel using Holland Kingpin Lock Tester TF-TLN-5001, available from your local SAF-HOLLAND distributor.

Figure 7

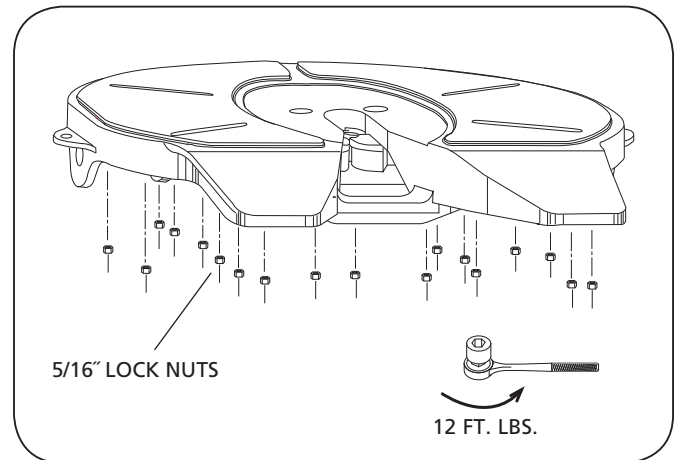


Figure 8

