

Lube Plate Replacement For Top Plates with worn out Attachment Holes

FWAL Aluminum LowLube XA-AL Series Top Plates

General Safety Information

This document contains procedures to replace the lube plates on the XA-AL 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.

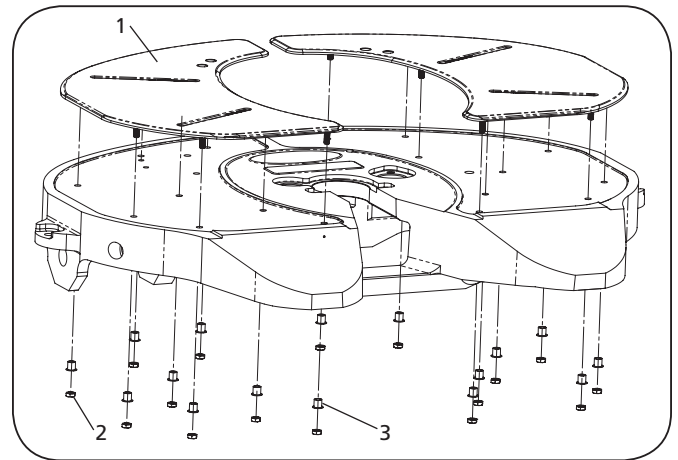
⚠ WARNING Failure to follow all of the procedures contained in this manual could cause a hazardous condition to develop which, if not avoided, could result in death or serious injury.

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, could 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-XA-AL-1 LUBE PLATE REPLACEMENT KIT (XA-AL)

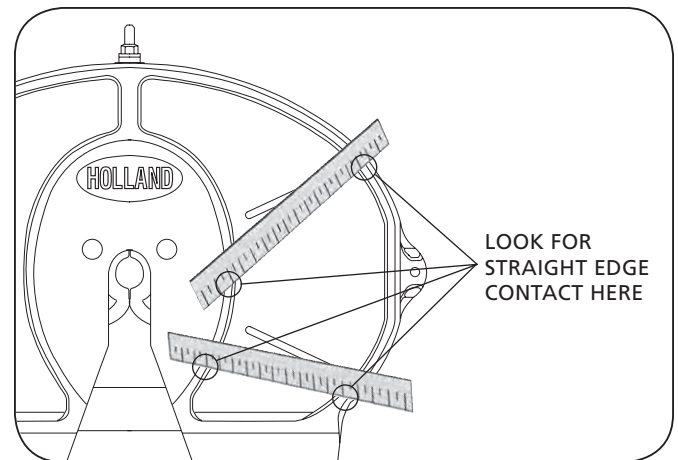
| ITEM | DESCRIPTION | PART NO. | QTY. |
|------|----------------|-----------------|------|
| 1 | Lube Plate Set | XA-08125-L & -R | 1 |
| 2 | Locknut | XB-08931 | 16 |
| 3 | Flange Bushing | XB-12008 | 16 |

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

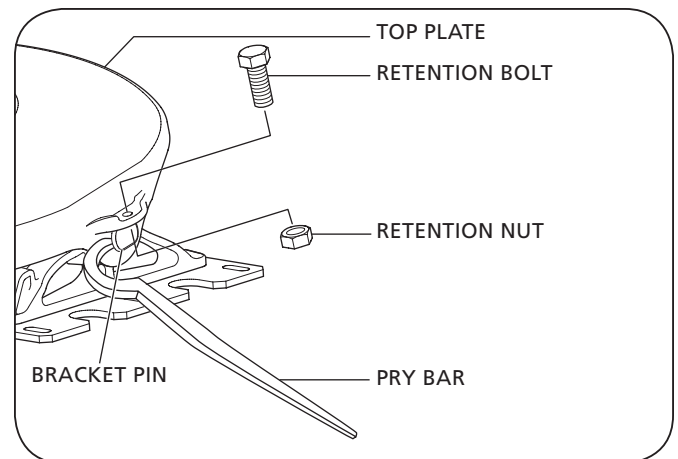


Top Plate Removal

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.

Figure 2



1. Remove bracket pin retention nuts and bolts from both sides of the fifth wheel top plate (**Figure 2**).

IMPORTANT: Some fifth wheel assemblies contain bracket shims between the top plate and the mounting base. Take care when removing bracket pins as the bracket shims could fall out.

2. Using a pry bar, pull bracket 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 the fifth wheel on a flat, clean working area.

NOTE: Follow the instructions published by the lifting device manufacturer for proper operation of the lifting device.

Lube Plate Replacement

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

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

4. Drill out lube plate holes using a 29/64" drill.
5. Install new lube plates. Ensure lube plates are seated flat within the recess in the fifth wheel top plate (**Figure 5**).

continued

Figure 3

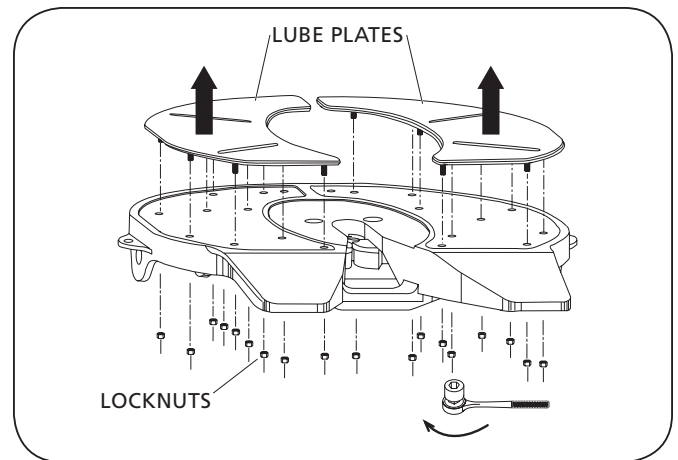


Figure 4

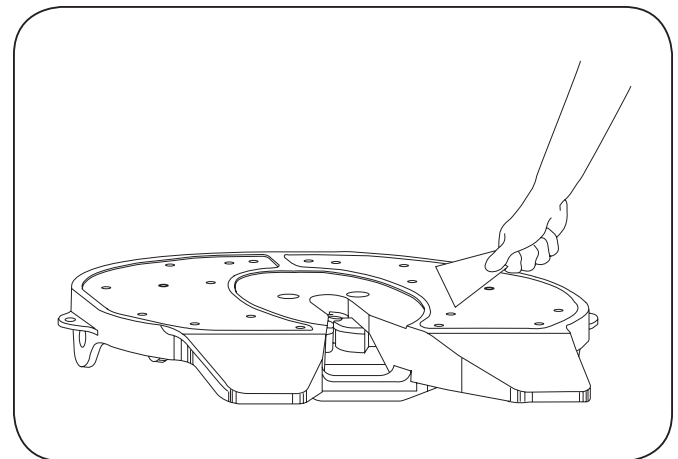
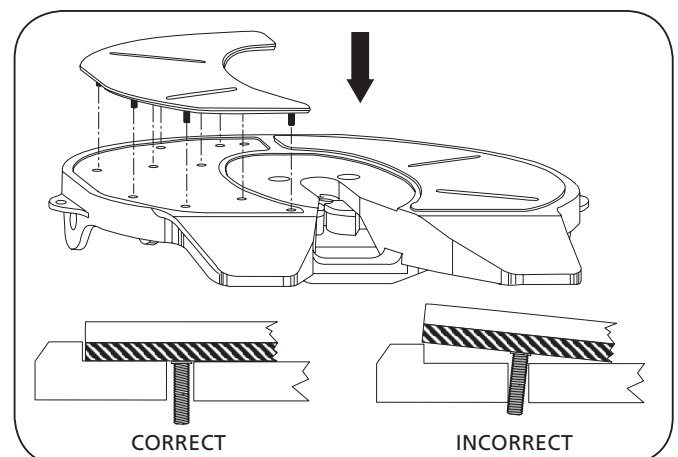


Figure 5



Lube Plate Replacement *continued*

6. Insert flange bushings into drilled holes for each lube plate stud (**Figure 6**).

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

7. 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.

Figure 6

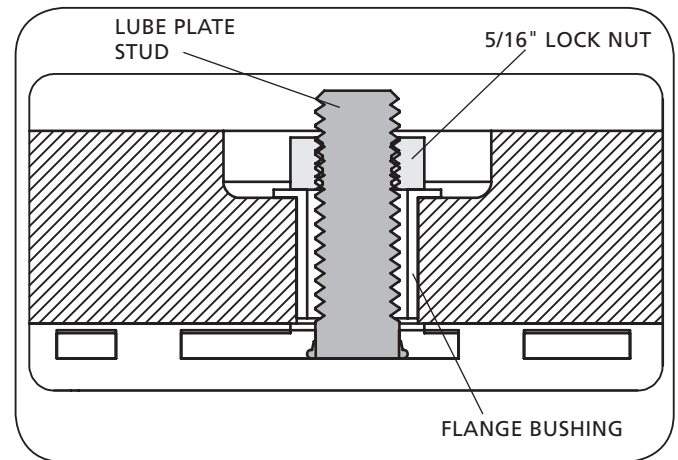
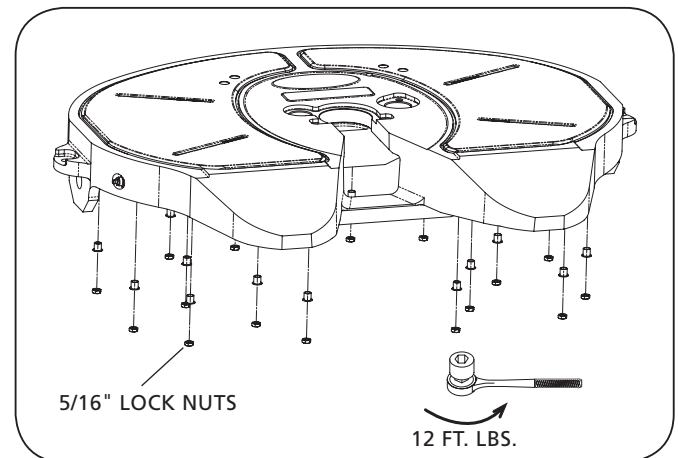


Figure 7



Re-Install Top Plate (for fabricated mounting brackets)

For mounting brackets with a one piece rubber bushing, bracket shims are required for each pocket on both sides of the mounting bracket. Replace bracket shims with kit RK-AL-11798 if:

- Any of the bracket shims are missing.
- Bracket shims are cracked, severely bent or worn.

NOTE: For fifth wheels that DO NOT require bracket shims, refer to page 7, Re-Install Top Plate for cast mounting brackets.

1. If pocket inserts are dislodged from fifth wheel top plate, clean pocket area of forging and apply a strip of double face tape in the bottom of pockets. Install pocket inserts by pressing down into pockets (**Figure 8**).
2. Using a lifting device capable of lifting 500 lbs. (227 kg), install the fifth wheel top plate onto its mounting base.

NOTE: Follow instructions published by lifting device manufacturer for proper operation of lifting device.

3. Line up the holes of a new metal bracket shim and rubber washer between the outside ear of the fifth wheel and the mounting bracket. Rubber washer must be placed between the outside ear and the metal bracket shim (**Figure 9**).
4. Insert the bracket pin through the outside ear of the fifth wheel, metal bracket shim, rubber washer, and halfway through the mounting bracket to hold the bracket shims in place (**Figure 9**).
5. Repeat Steps 3-4 for the opposite side of the fifth wheel. If needed, the fifth wheel could be pushed from side-to-side on the brackets to create space for the bracket shims.

Figure 8

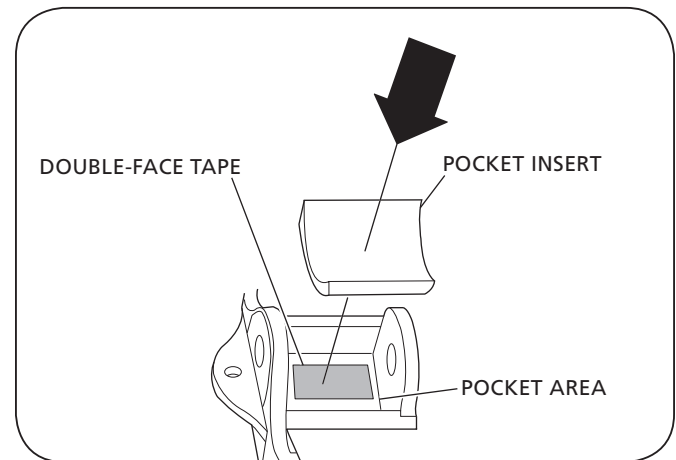
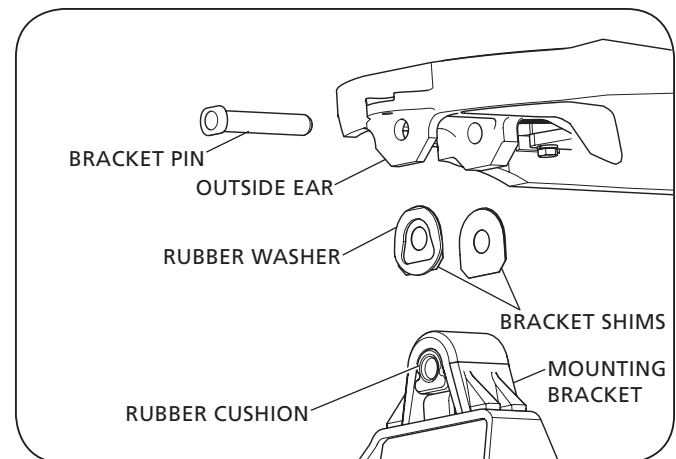


Figure 9



continued

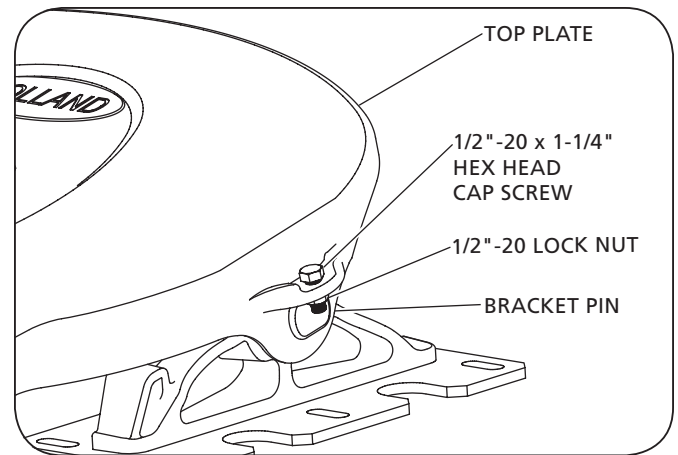
Re-Install Top Plate *continued*

6. Once the outside bracket shims are installed, line up the holes of a new metal bracket shim between the inside ear of the fifth wheel and the mounting bracket.
7. Complete insertion of the bracket pin through the bracket shim and into the inside of the fifth wheel.
8. Repeat Steps 6-7 for the last remaining metal bracket shim between the other inside ear and mounting bracket.

IMPORTANT: If there is NOT enough room for the rubber washers to be installed, or when installed the fifth wheel DOES NOT freely articulate, remove rubber washers and install metal bracket shims only.

9. Secure bracket pins by installing the 1/2"-20 x 1-1/4" hex head cap screws and 1/2"-20 lock nuts (**Figure 10**). Torque the hex head cap screws to 50-60 ft.-lbs. (68-81 N•m).

Figure 10





Re-Install Top Plate (for cast mounting brackets)

1. If pocket inserts are dislodged from fifth wheel top plate, clean pocket area of forging and apply a strip of double-face tape in the bottom of pockets. Install pocket inserts by pressing down into pockets (**Figure 8**, page 5).
2. Using a lifting device capable of lifting 500 lbs. (227 kg), install the fifth wheel top plate onto its mounting base.

NOTE: Follow instructions published by lifting device manufacturer for proper operation of lifting device.

3. Install the bracket pins through fifth wheel top plate and mounting base and secure by installing the 1/2"-20 x 1-1/4" hex head cap screws and 1/2"-20 lock nuts (**Figure 10**, page 6). Torque the hex head cap screws to 50-60 ft.-lbs. (68-81 N•m).



From fifth wheel rebuild kits to suspension bushing repair kits, SAF-HOLLAND Original Parts are the same quality components used in the original component assembly.

SAF-HOLLAND Original Parts are tested and designed to provide maximum performance and durability. Will-fits, look-alikes or, worse yet, counterfeit parts will only limit the performance potential and could possibly void SAF-HOLLAND's warranty. Always be sure to spec SAF-HOLLAND Original Parts when servicing your SAF-HOLLAND product.

SAF-HOLLAND USA • 888.396.6501 • Fax 800.356.3929
www.safholland.us

SAF-HOLLAND CANADA • 519.537.3494 • Fax 800.565.7753
WESTERN CANADA • 604.574.7491 • Fax 604.574.0244
www.safholland.ca

SAF-HOLLAND MEXICO • 52.55.5362.8743 • Fax 52.55.5362.8743
www.safholland.com.mx

info@safholland.com