

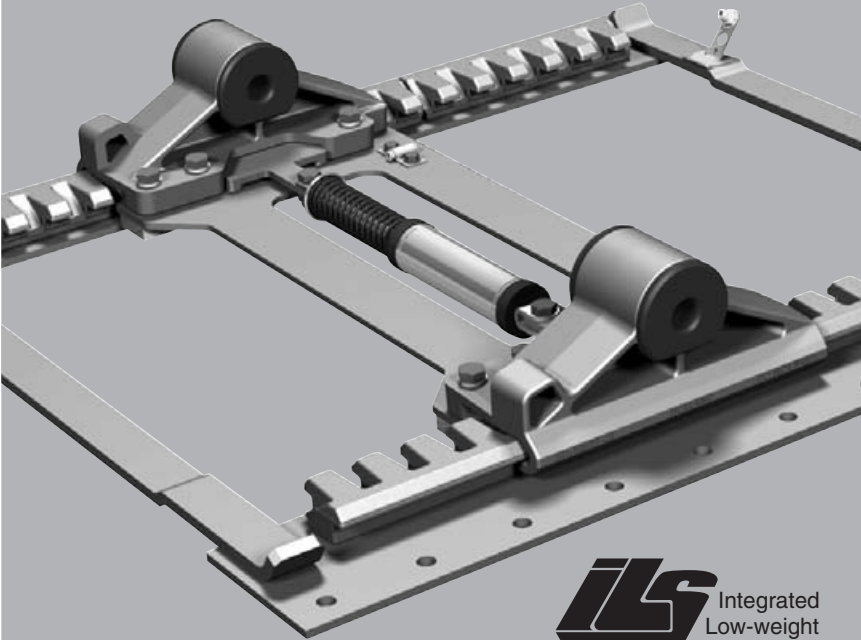


SAF-HOLLAND Group

Installation Instructions

ILS Air Cylinder Replacement

ILS Slider Rebuild Kit
RK-10700



ILS Integrated
Low-weight
Slider system

OPERATING INSTRUCTIONS

Notes, Cautions, and Warnings

You must read and understand all of the safety procedures presented in this manual before starting any work on the SAF-HOLLAND product.

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

Proper tools must be used to perform the maintenance and repair procedures described in this manual. Many of these procedures require special tools.

Throughout this manual, you will notice the terms "NOTE", "IMPORTANT", "CAUTION", and "WARNING" followed by important product information. So that you may better understand the manual, those terms are as follows:

NOTE: Includes additional information to enable accurate and easy performance of procedure.

IMPORTANT: Includes additional information that if not followed could lead to hindered product performance.



Used without the safety alert symbol, indicates a potentially hazardous situation which, if not avoided, may result in property damage.



Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Fifth Wheel Design and Intended Use:

1. For pulling trailers with standard SAE kingpins which are in good condition and securely mounted or locked in position in the trailer.
2. Within the capacities stated in SAF-HOLLAND literature.
3. As recommended in SAF-HOLLAND literature (available from www.safholland.us).

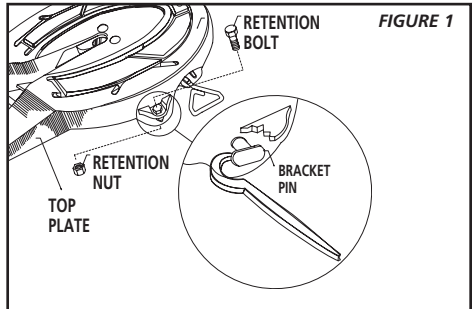
Holland Fifth Wheels are NOT Designed or Intended For:

1. Use with non-SAE kingpins, such as kingpins which are bent, improper size or dimensions, not secured to maintain SAE configuration, or which are installed in warped trailer bolster plates.
2. Tow-away operations which damage or interfere with the proper operation of the fifth wheel.
3. The attachment of lifting devices.
4. The transport of loads in excess of rated capacity.
5. Applications other than recommended.

Installation

Replacement Procedure - Air Cylinder

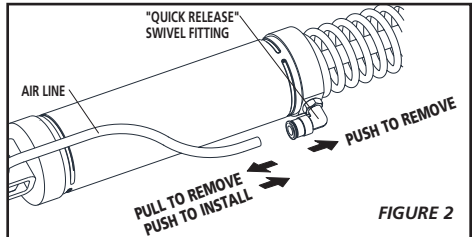
1. Remove the bracket pin retention bolts and nuts from the top plate, then, using a pry bar, pull the bracket pins out of the fifth wheel top plate as shown in **FIGURE 1**.
2. Using a proper lifting device, remove the top plate from the brackets and set aside.
3. Turn off air supply to the fifth wheel assembly.
4. Push the end of the "quick release" swivel fitting inward while gently pulling the air line out of the fitting as shown in **FIGURE 2**.
5. Grasp air cylinder, remove and discard attachment bolt and nut on tube end of cylinder (the air cylinder may need to be compressed slightly to allow removal of bolt). Rotate air cylinder slightly to side.



CAUTION Failure to control air cylinder spring pressure during cylinder removal may create a pinch hazard which, if not avoided, may result in minor or moderate injury.

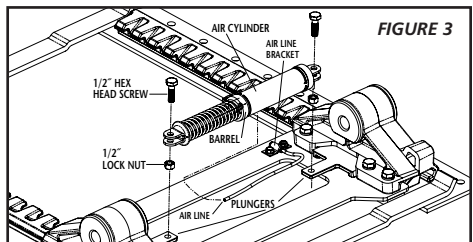
Now, remove and discard the air cylinder attachment bolts and lock nuts on spring end as shown in **FIGURE 3**. Remove and save air fitting. Discard used air cylinder.

6. Replace air fitting in new air cylinder. Position the clevis on the spring end of the new air cylinder over the hole in the plunger. The spring end of the air cylinder should be positioned opposite the air line bracket as shown in **FIGURE 3**.
7. Place 1/2" hex screw through the spring end of the air cylinder and plunger as shown in **FIGURE 5**.
8. Grasp the barrel of the air cylinder and slightly compress the air cylinder spring, and position the unfastened clevis over the attachment hole in the remaining plunger (**FIGURE 4**).



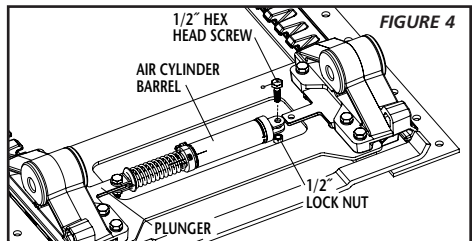
CAUTION Failure to control air cylinder spring pressure during cylinder removal may create a pinch hazard which, if not avoided, may result in minor or moderate injury.

9. Place the remaining 1/2" hex screw through the air cylinder and plunger as shown in **FIGURE 3**.
10. Tighten a 1/2" lock nut onto each hex screw until the lock nut contacts the air cylinder clevis as shown in **FIGURE 5**.

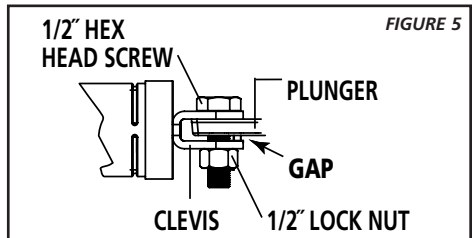


NOTE: Do not over tighten the 1/2" lock nut. Leave a slight gap between the air cylinder clevis and plunger as shown in **FIGURE 5**.

11. Reconnect the air line to the air cylinder by pushing the air line into the fitting on the new air cylinder as shown in **FIGURE 2**.
12. Turn on air supply to fifth wheel assembly.
13. Thoroughly grease the tops of the bracket and bracket pins; position the fifth wheel back on the brackets. For No Lube fifth wheels, no greasing is required.
14. Insert the bracket pins and re-attach the bracket pin retention bolts and nuts—and securely tighten.



NOTE: To ease installation, you may apply a small amount of grease/oil/lubricant to the bracket pins.





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 or Neway product.

IMPORTANT: Enclosed is important information for the installation, operation, and maintenance of this product. Read and understand this information.

	WARNING
	Failure to properly install, operate, or maintain this fifth wheel could result in tractor and trailer separation causing death or serious injury to others.

