



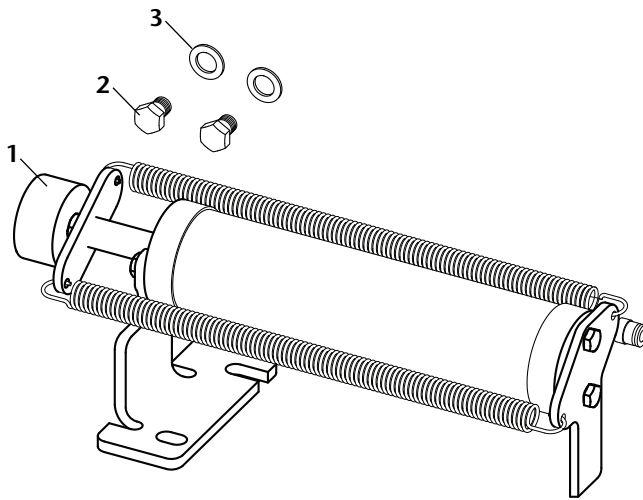
SAF-HOLLAND Group

# FIFTH WHEELS

## Simplex SE/IISE AIR CYLINDER REPLACEMENT KIT

### 4000273 Replacement Kit

### Air Cylinder Replacement Procedures for Holland Simplex SE/IISE Fifth Wheels



### IMPORTANT SAFETY INFORMATION

1. All fifth wheel maintenance must be performed by a qualified service technician using proper tools and safe procedures.
2. Use only SAF-HOLLAND Original Parts.
3. Wear safety goggles during disassembly and assembly of the fifth wheel.
4. Keep fingers away from all potential pinch points in the fifth wheel.
5. Do not weld on this product. Do not deviate from the instructions contained in this manual. Any changes or deviations from these procedures will void all warranties, express or implied, unless prior written consent is obtained from SAF-HOLLAND.
6. Always verify proper operation and adjust the fifth wheel following the procedures contained in this manual before placing back in use.

### 4000273

### Air Cylinder Replacement Kit

ITEM	DESCRIPTION	PART NO.	QTY.
1	Touchloc Mechanism	4100423	1
2	Socket Head Cap Screw	9900182	2
3	Washer	9900174	2

**IMPORTANT:** Verify that the contents of this package are complete. If you are missing any items, please contact your dealer or distributor.

**WARNING** All of the required parts in this kit **MUST** be used. **DO NOT** substitute other or used parts. Improper part combinations can cause the product to couple improperly which, if not avoided, could result in death or serious injury.

**IMPORTANT:** **DO NOT** attempt repairing or rebuilding if the top plate is cracked or distorted or if the lock pins do not fit tightly in the top plate as the top plate may fail or the locks may malfunction.

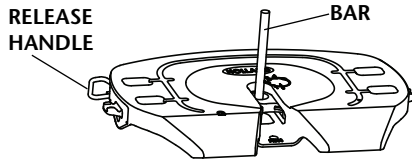
**WARNING** Failure to replace a malfunctioning top plate may cause loss of vehicle control which, if not avoided, could result in death or serious injury.

# AIR CYLINDER KIT REPLACEMENT PROCEDURE

## Disassembly

1. Close the jaw and lock mechanism using a bar or lock tester (*Figure 1*).

Figure 1



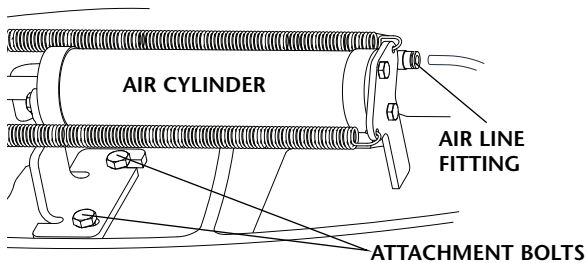
### IMPORTANT:

Use a bar or block to rotate jaw when opening or closing the locking mechanism. When locking the jaw, stand clear of the release handle as it retracts rapidly during lockup.

**CAUTION** Lock is spring-loaded. Prevent injury by keeping hands away from jaw and lock which, if not avoided, could result in serious injury to hands or fingers.

- 2a. Turn off air supply to the fifth wheel assembly.
- 2b. Remove air line going into cylinder as shown in *Figure 2*.

Figure 2



3. Remove and discard two or three air cylinder attachment bolts and washers (*Figure 2*).

**NOTE:** Older model air cylinders will have three bolts and three washers.

4. Discard used parts.

## Reassembly

**NOTE:** Using new kit parts, reassemble fifth wheel in the following sequence.

1. Position new air cylinder over the mounting holes. Using two new bolts, carefully thread each one into fifth wheel (*Figure 2*).

**NOTE:** Older air cylinder assemblies were mounted to the top plate with three attachment bolts. This kit installs a newer version of air cylinder that only requires two attachment bolts.

**NOTE:** Before bolts are tight, ensure that the plunger nose of the air cylinder is roughly centered on the end of the release handle. Tighten bolts securely.

2. On the back side of the air cylinder, install the air line into the fitting as shown in *Figure 2*.

## Fifth Wheel Adjustments

To ensure that the fifth wheel locks properly, perform the Coupling Procedures in the "Maintenance and Rebuilding Manual" (XL-FW456).

**WARNING** Failure to properly operate this fifth wheel may cause tractor and trailer separation which, if not avoided, could result in death or serious injury.

If the fifth wheel does not operate properly, **DO NOT** use it! Contact SAF-HOLLAND Technical Customer Service for assistance.



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