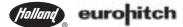
# FIFTH WHEEL OPERATING MANUAL







You must read and understand the instructions in this manual before operating your fifth wheel.

Failure to follow all of the important operating procedures contained in these instructions may result in a hazardous condition or cause a hazardous condition to develop.

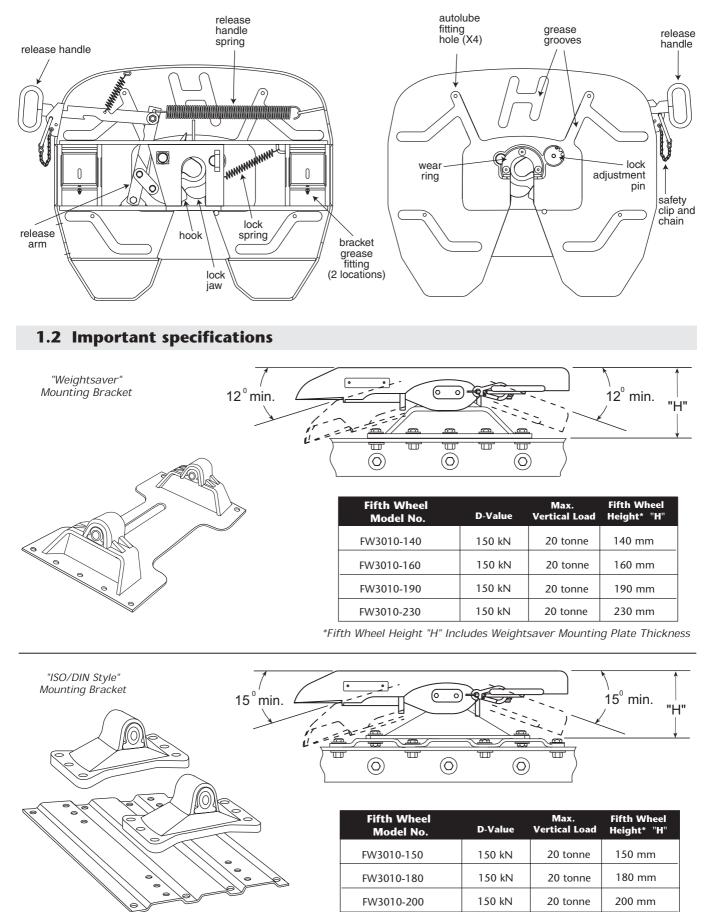
These instructions apply to the proper operation of your fifth wheel only. There are other important checks, inspections, and procedures not listed here that are necessary, prudent, and/or required by law.

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### 1. Component Part Identification and Specifications

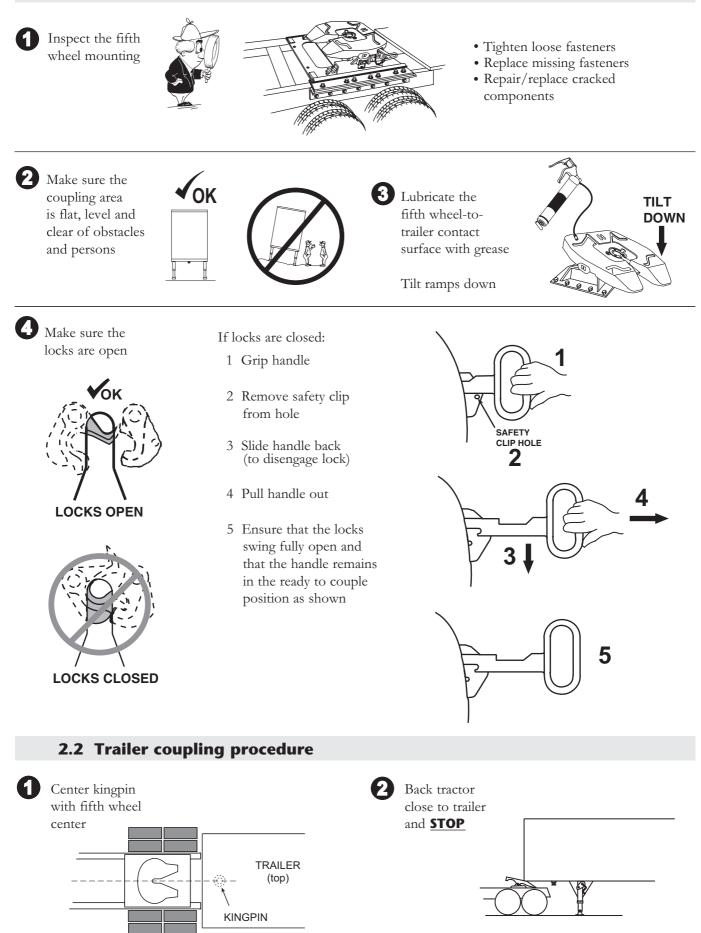
### 1.1 Identification of component parts



\*Fifth Wheel Height "H" Does Not Include Mounting Plate Height

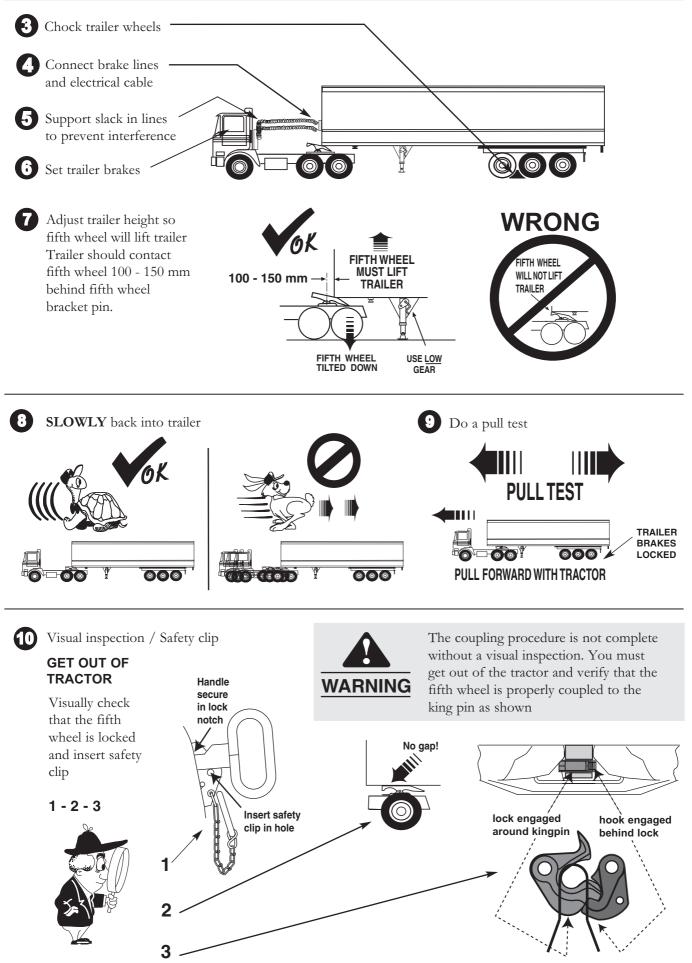
## 2. Operating Instructions

### 2.1 Pre-service inspection



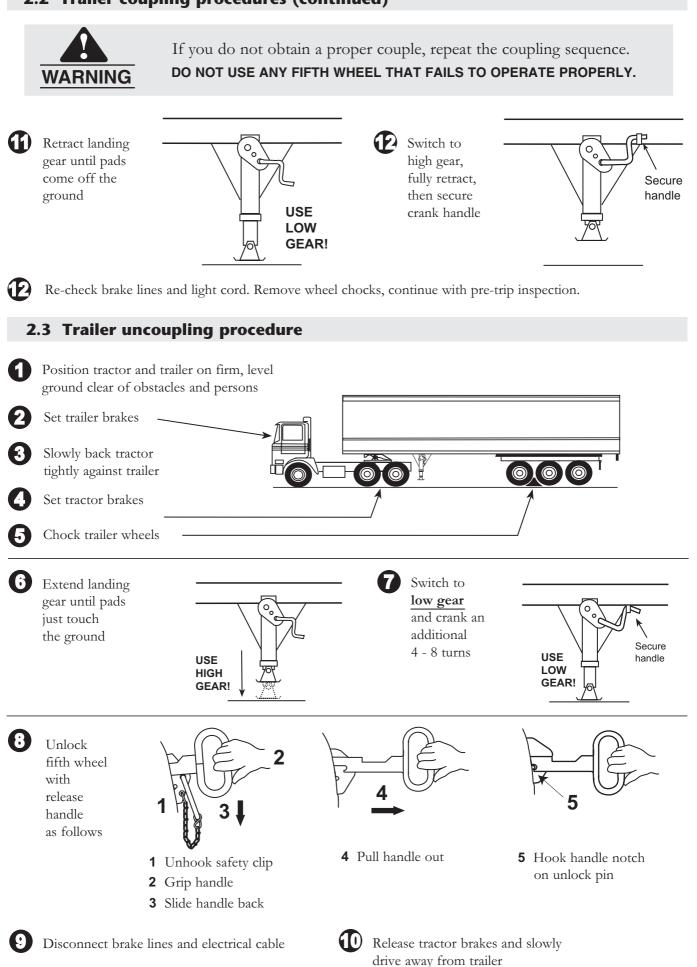
### 2. Operating Instructions





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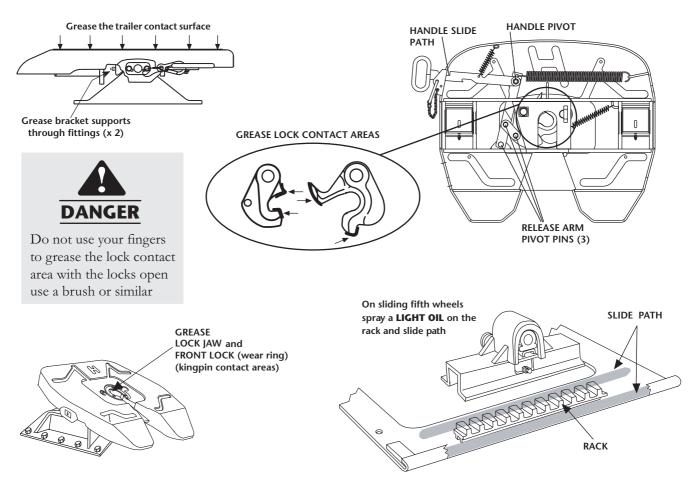
### 2.2 Trailer coupling procedures (continued)



### 3.1 As Needed Lubrication

**Note:** Maintain adequate lubrication on the following surfaces by inspecting and re-lubricating at regular intervals.

## **Use water-resistant lithium-base grease**



### 3.2 Required Inspections and Adjustments

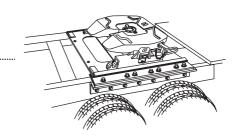
**NOTE**: Perform the following every three (3) months or 50,000 km, whichever comes first. Thoroughly clean all components before inspecting or adjusting.

#### 3.2.1 General Fifth Wheel Inspection

Inspect the fifth wheel mounting and fifth wheel assembly

- Tighten loose bolts and fasteners
- Check bolt and fastener torque
- Replace missing or damaged bolts
- Replace bent, worn, or broken parts





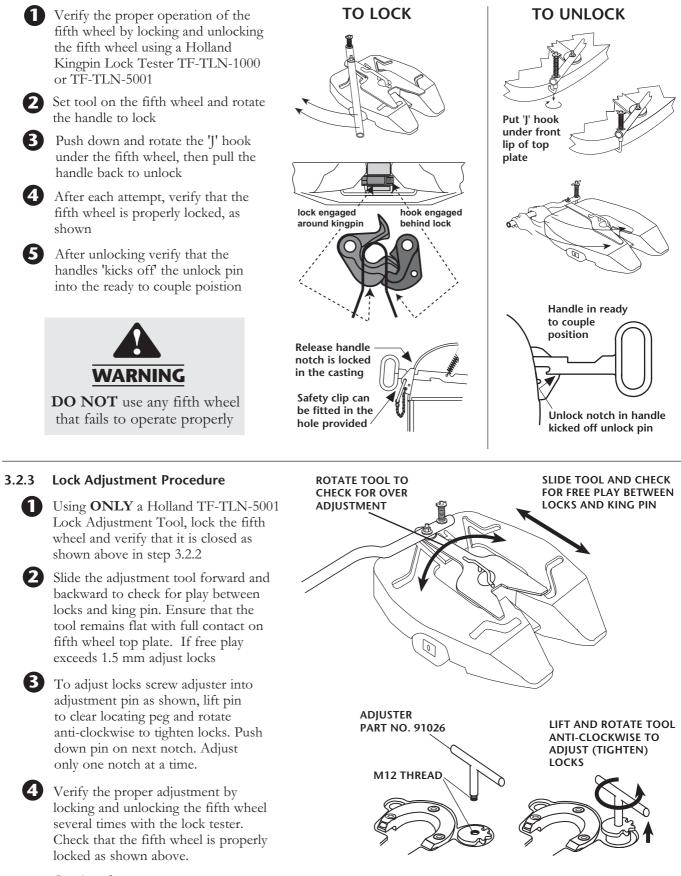
# **Use only genuine Holland parts kits**

### 3. Maintenance Procedures (continued)

#### 3.2 Required Inspections and Adjustments (continued)

**NOTE:** Perform the following every three (3) months or 50,000 km, whichever comes first. Thoroughly steam clean all components before inspecting or adjusting.

#### 3.2.2 Inspection of Locking Mechanism



Continued.....

### 3. Maintenance Procedures (continued)

### 3.2 Required Inspections and Adjustments (continued)

### 3.2.3 Lock Adjustment Procedure (continued)



**(5)** Rotate the lock adjustment tool from side to side to ensure that the locks are not overtightened. The locks should not grip the king pin and the tool should rotate freely.



Re-check for free play in locks by sliding the adjustment tool. If there is still excessive free play in the locks repeat procedure and adjust one more notch.

**NOTE**: If there is still excessive free play in the locks with the adjuster pin on the last (fourth) notch then the fifth wheel should be rebuilt using lock repair kit RS-91034 or full overhaul kit RS-91033-2



Improper adjustment can cause improper locking of the fifth wheel. If the fifth wheel does not operate properly DO NOT USE IT! Repeat the adjustment procedures or contact Holland Europe.

#### Adjustment of the Sliding Fifth Wheel Mechanism (if so equipped) 3.2.4



Loosen the lock nut and turn the adjustment bolt out (counter-clockwise)

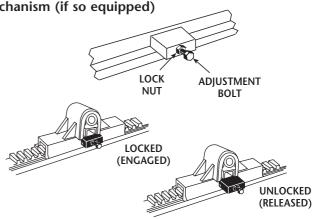


Disengage and engage the locking plungers. Verify that the plungers have seated properly as shown



Now tighten the adjustment bolt until it contacts the rack

Turn the adjustment bolt clockwise an additional 1/2 turn, then tighten the lock nut securely



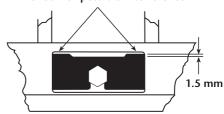


Proper adjustment of the sliding bracket locking plungers must be performed at installation and maintained at regular intervals using the adjustment bolts for both plungers. Proper adjustment is required for proper operation, load transfer, and load distribution

If the plungers do not release fully to allow the fifth wheel to slide:

- A. Check the air cylinder or the manual slide operating lever for proper operation. Replace if necessary.
- B. Check plunger adjustment as explained above.
- C. If a plunger is binding on the plunger pocket, remove the plunger using a Holland TF-TLN-2500 spring compressor, Gring the top edges of the plunger 1.5 mm as shown. Re-install and adjust plungers as explained above





If the locking plungers are too loose:

- A. Check the plunger adjustment as explained above.
- B. Check the plunger springs for proper compression. Replace if necessary
- C. Check for plunger wear If necessary, replace as described above.

# After inspection and adjustment, re-lubricate all moving parts with a light, rust resistant oil.

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