





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 dangerous condition or cause a dangerous 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.

Table of Contents

1	Component Part Identification and Specifications					
'		Identification of component parts	. 2			
	1.2	Important specifications	. 2	1		
2	Оре	erating Instructions				
	2.1	Pre-service inspection	. 3			
	2.2	Trailer coupling procedures	. 4	-5		
	2.3	Trailer uncoupling procedures	. 5	-6		
3	Rοι	utine Inspection and Maintenance				
	3.1	As Needed Lubrication	. 6			
	3.2	Required Inspections and Adjustments				
		3.2.1 General fifth wheel inspection3.2.2 Inspection of locking mechanism3.2.3 Lock adjustment procedure	. 7			

1 Component Part Identification and Specifications

1.1 Identification of component parts

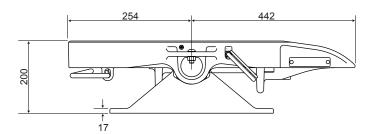
NO.	PART NO.	QTY.	PART NAME	2A. 2B
1	XA-1117-H	1	Release handle, primary	19 Release Arm Fixed Front
2A	XA-FW-104-D	1	Lock set replacement kit for 2,0" kingpin	20 Bolt Lock 1 Primary
2B	XA-FW-104-03	1	Lock set replacement kit for 3,5" kingpin	21 Washer Release 22 Bushing 24 Lock Nut Handle
3	XA-FW-108-D-15	1	Lock pin, primary	23 Nut 25 Lock washer
4	XB-09153	1	Retaining ring	3 Lock Jaw Pin
5	XB-H-38-A	1	Grease fitting	18 Locking 4 Retaining Ring
6	XA-08783	1	Release handle assembly, secondary	Plunger 5 Grease Fitting
7	RK-65025	1	Secondary lock arm replacement kit	Spring
8	XB-16	1	Cotter pin	6 Secondary
9	XA-1016-C	1	Lock pin, secondary	Release Handle
10	XB-0769	1	Grease fitting	
11	XB-5	1	Cotter pin	
12	XB-1028-2	1	Secondary lock spring	
13	XA-1104	1	Locking plunger	Bracket
14	XD-3123-1	1	Adjusting wedge	
15	XB-09407	1	Socket Head Cap Screw (5/8"-11 x 4")	
16	XB-HNH-58-C	1	Locknut (5/8 "-11)	7 Secondary
17	XB-403	1	Adjusting wedge spring	14 Adjusting H
18	XB-1007	1	Locking plunger spring (red)	Wedge 8 Cotter pin
19	XA-1005-FH	1	Release arm	
20	XB-2083	1	Hex Head Cap Screw $(1/2$ "-20 x $1^3/4$ ")	17 Spring Lock Pin
21	XB-T-49	1	Washer (1/2")	13 Locking Fitting
22	XB-02949	1	Bushing	Plunger 12 Secondary 11 Cotter pin
23	XB-T-69-A	1	Locknut (1/2 "-20)	Lock Spring
24	XB-04473	1	Locknut (1" - 14)	*Lock jaws and adjustment wedge are only sold as a
25	XB-10327	1	Lock washer (1")	complete lock set kit and cannot be ordered individually.

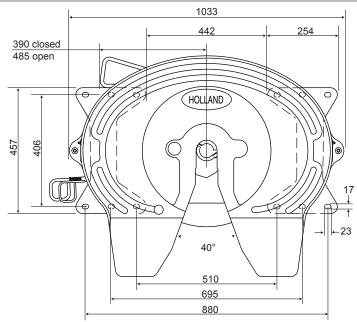
1.2 Important specifications



The load limits given are valid for operation on paved roads and under conditions prevailing in Europe. For alternative conditions, please consult Holland Europe.

Mounting must be carried out in accordance with Holland instructions.



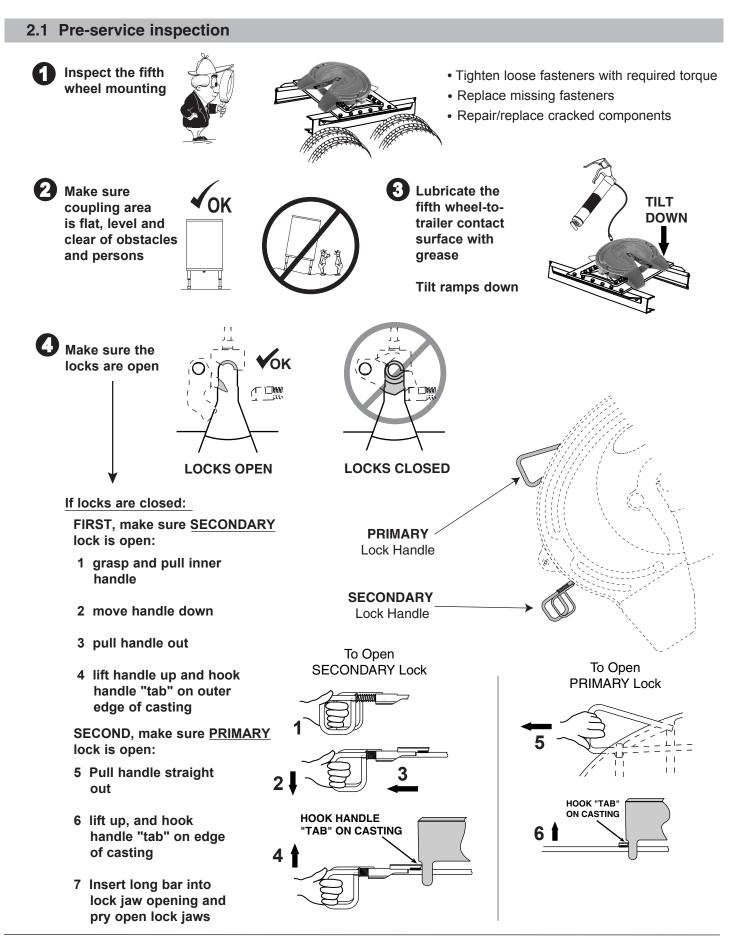


Part Number	Height	Vertical Load	D-Value	Weight	Locks
FW0E70-03-TP	top plate only	36000 kg	240 kN	148 kg	3.5"
FW0E70-02-TP	top plate only	30000 kg	170 kN	148 kg	2"
FW0E70-03-200	200 mm	36000 kg	240 kN	184 kg	3.5"
FW0E70-02-200	200 mm	30000 kg	170 kN	184 kg	2"

Holland Europe reserves the right, without prior notice, to change specifications and dimensions.

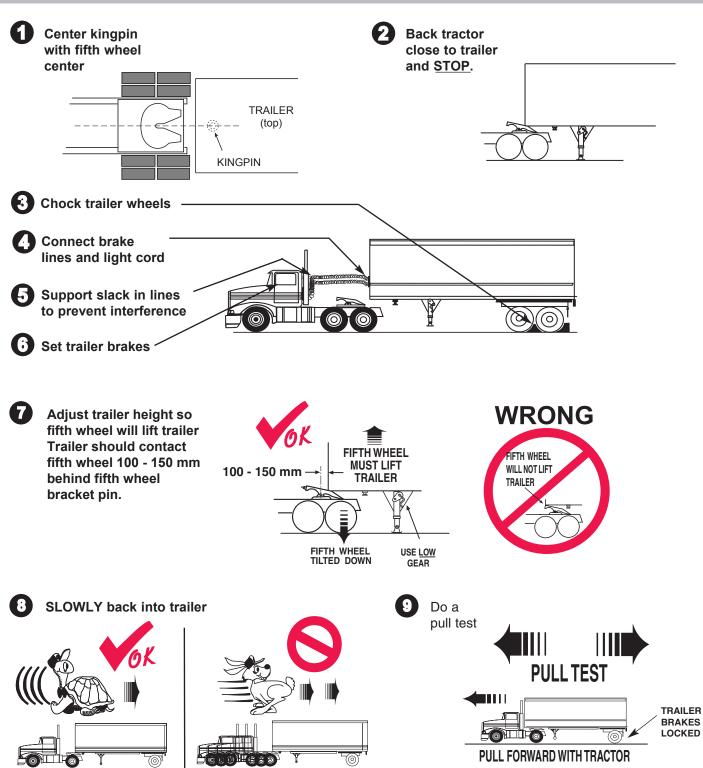
XL-FW1083-01

2 Operating Instructions



2 Operating Instructions

2.2 Trailer coupling procedures

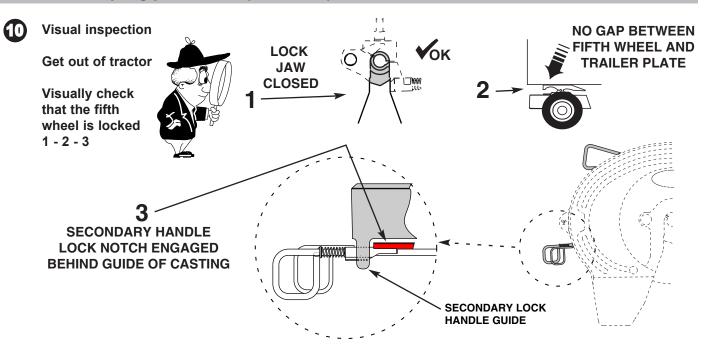


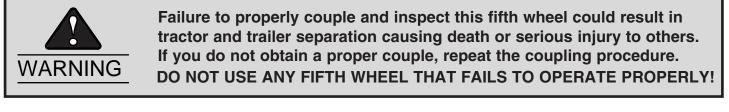


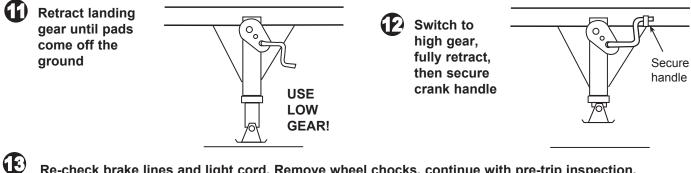
The coupling procedure is not complete without a visual inspection. You must get out of the tractor and verify that the fifth wheel is properly coupled. Proceed to Step 9 on the following page for visual inspection procedures.

2 Operating Instructions

2.2 Trailer coupling procedures (continued)

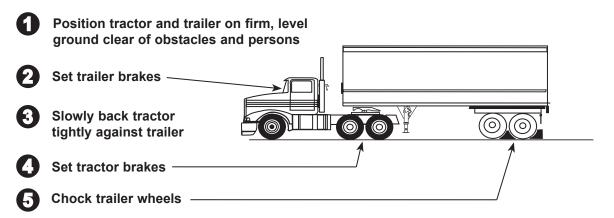


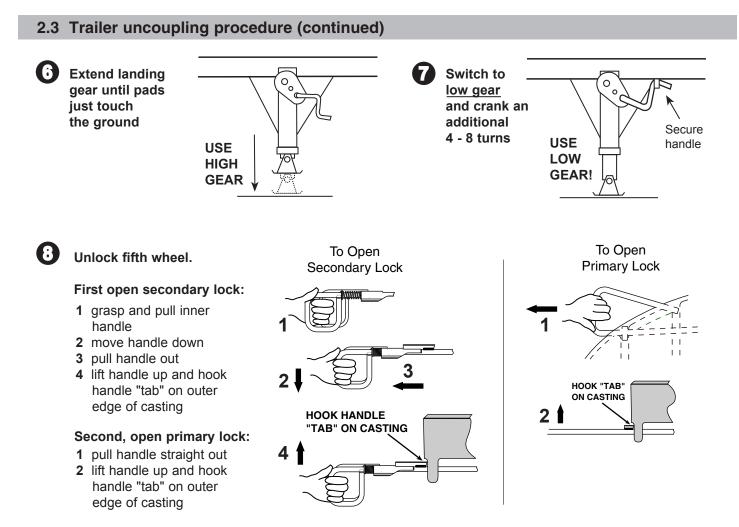




Re-check brake lines and light cord. Remove wheel chocks, continue with pre-trip inspection.

2.3 Trailer uncoupling procedure

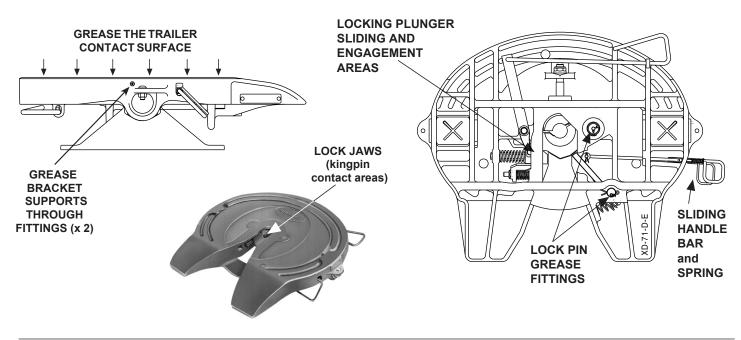




3 MAINTENANCE PROCEDURES

3.1 As needed lubrication

NOTE: Maintain adequate lubrication on the following surfaces by inspecting and re-lubricating at regular intervals. Use a water-resistant, lithium grease.



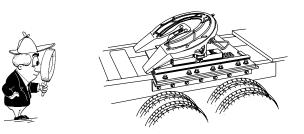
NOTE: Perform the following every three (3) months or 50,000 km, whichever comes first. Thoroughly steam clean all components before inspecting or adjusting.

3.2.1 General Fifth Wheel Inspection

Inspect the fifth wheel mounting and fifth wheel assembly

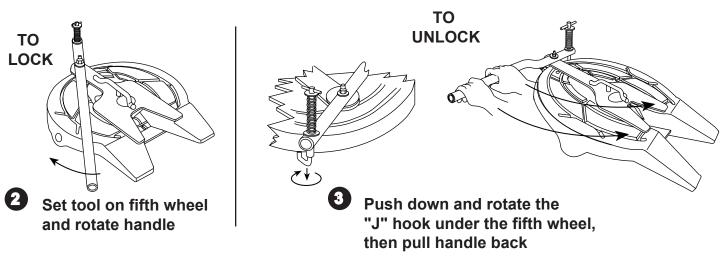
- Tighten loose bolts and fasteners with required torque
- Replace missing or damaged bolts
- Replace bet, worn, or broken parts

Use only genuine Holland parts kits



3.2.2 Inspection of Locking Mechanism

- NOTE: Perform the following every three (3) months or 50,000 km, whichever comes first. Thoroughly steam clean all components before inspecting or adjusting.
- Verify the proper operation of the fifth wheel by locking and unlocking the fifth wheel locks using Holland Kingpin Lock Tester TF-TLN-1000 or TF-TLN-5001.



After each attempt, verify that the fifth wheel is properly locked as shown below.



If you do not obtain a proper couple, repeat the coupling sequence. DO NOT USE ANY FIFTH WHEEL THAT FAILS TO OPERATE PROPERLY.

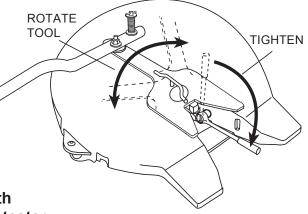
3 MAINTENANCE PROCEDURES

3.2 Required Inspections and Adjustments

3.2.3 Lock Adjustment Procedure

Using Holland TF-TLN-5001 Lock Adjustment Tool, lock the fifth wheel and verify that it is closed as shown in Step 10 on Page 5.

Using a socket wrench with a 1/2" Allen hex bit socket, tighten the lock by turning the lock adjustment bolt clockwise 1/4 turn at a time. Remove the socket wrench from the bolt and rotate the tool as shown to check for resistance between the tool and lock.



Continue to alternate tightening (clockwise) the adjustment bolt 1/4 turn at a time, until the fifth wheel lock is tight against the kingpin in the lock tester.



At this point the fifth wheel is OVER-ADJUSTED and NOT usable. The remaining adjustment procedures must be completed.



Loosen the adjustment bolt (counter-clockwise) 1 $^{1}\!\!\!/_{2}$ turns. The lock is now properly adjusted.

Verify the proper adjustment by locking and unlocking the fifth wheel several times with the lock tester. On each attempt, make sure the locks properly engage.



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.





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Holland Europe GmbH Altenkamp 9 D-33758 Schloss Holte-Stukenbrock Germany Phone: +49 (0) 5207-89560 Fax: +49 (0) 5207-895656

EN ISO

Certified

Holland Eurohitch Ltd. Hoo Farm Industrial Estate Worcester Road Kilderminster Worcestershire DY11 7RA Phone: +44 (0) 1562-732010 Fax: +44 (0) 1562-732020
 Holland Hitch (Aust.) Pty. Ltd.

 Melton, Victoria, Australia

 Phone:
 61-(0)3-9743-6799

 Fax:
 61-(0)3-9747-9617

 Holland Transtrade

 (Thailand) Company, Ltd.

 Bangkok, Thailand

 Phone: 66 (0)2-513-8758

 Fax:
 66 (0)2-513-8757

Nippon Holland, Ltd. Tokyo, Japan Phone: 81-(0)3-3461-9130 Fax: 81-(0)3-3463-1407

Holland Transtrade Far East SDN BHD Shah Alam, Malaysia Phone: 60 (0)3 734-2888 Fax: 60 (0)3 736-5588