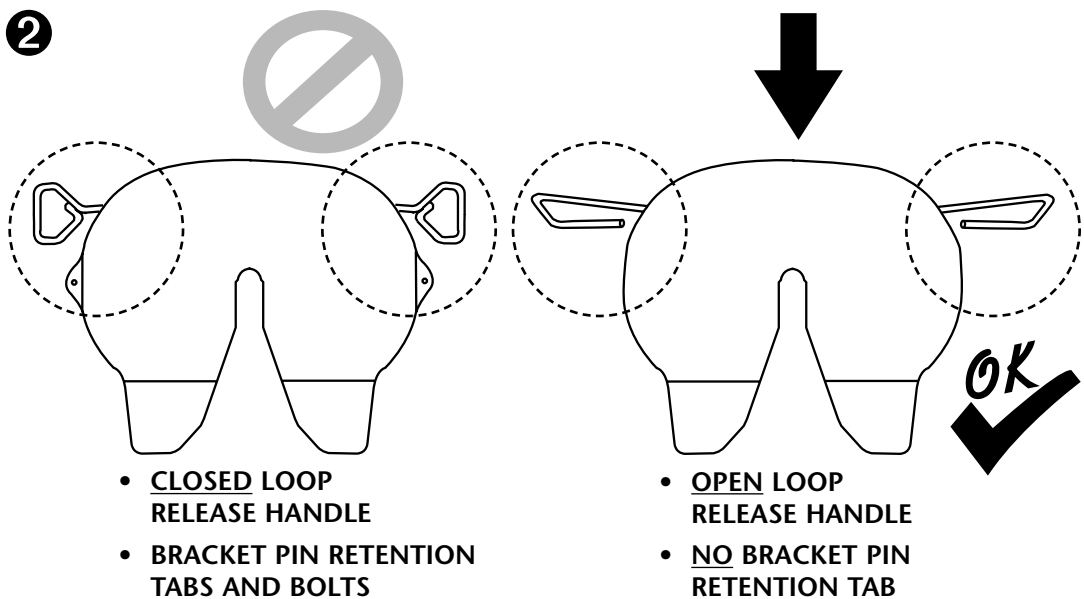
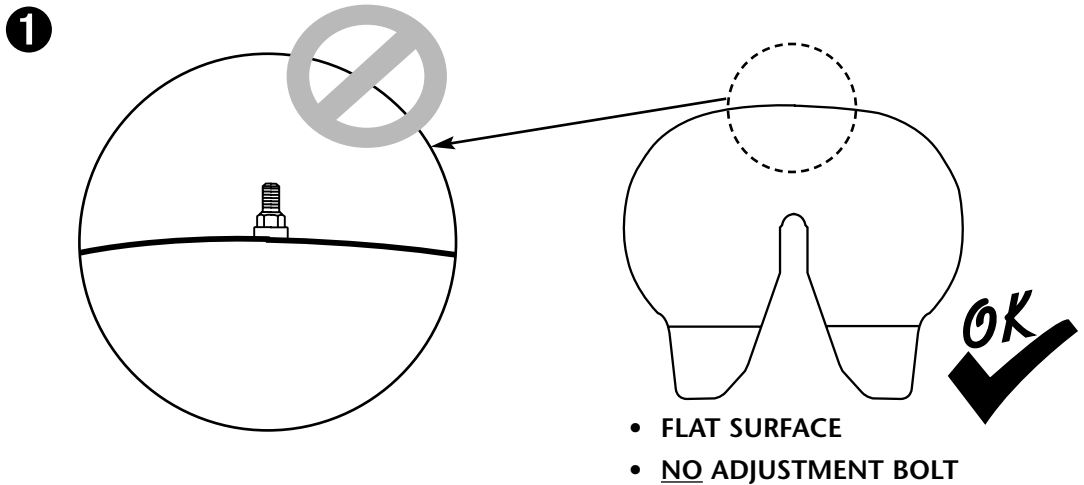


# FW2000 (XA-2009) FIFTH WHEEL Trouble-Shooting Guide

**Before proceeding, verify that your fifth wheel top plate is an XA-2009 model by following the 3 steps below:**

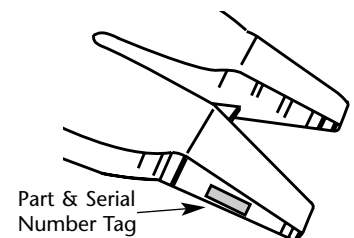


**3**

## Serial Number Tag Identification

For this troubleshooting section, the part number on the serial number tag should begin with one of the following:

- FW2000
- FW2040
- FW2590
- FW2500
- XA-2009

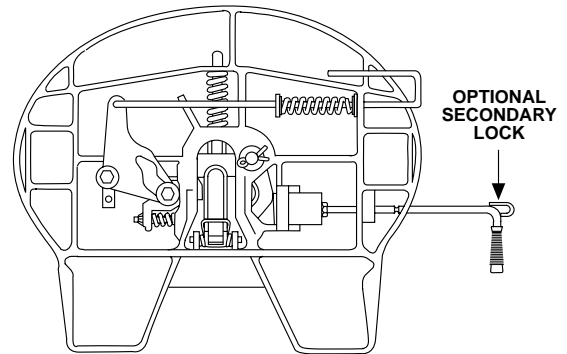




# FW2000 (XA-2009) FIFTH WHEEL Trouble-Shooting Guide

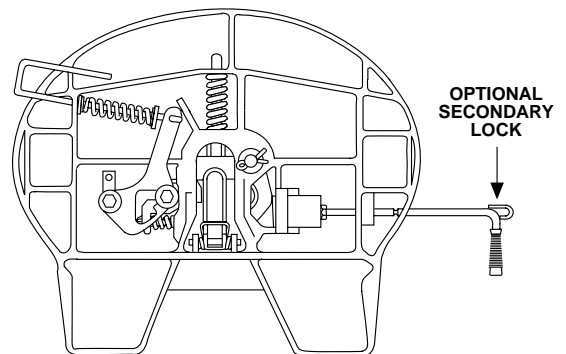
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### LEFT HAND (ROAD SIDE) RELEASE

RK-62001 (STANDARD)  
RK-62011 (With Lock Pin Bushings)



### RIGHT HAND (CURB SIDE) RELEASE

RK-62000 (STANDARD)  
RK-62012 (With Lock Pin Bushings)

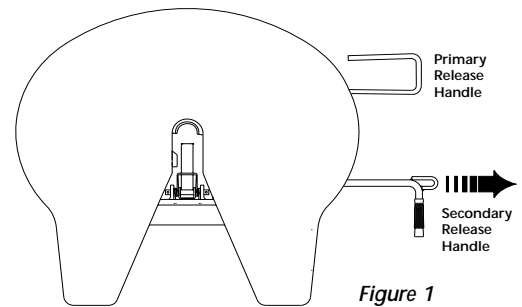
## PROBLEM: Difficult to uncouple from trailer

### Cause

1. Manual secondary lock engaged.

### Remedy

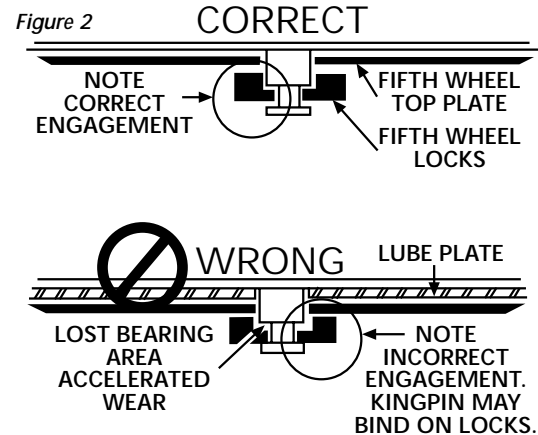
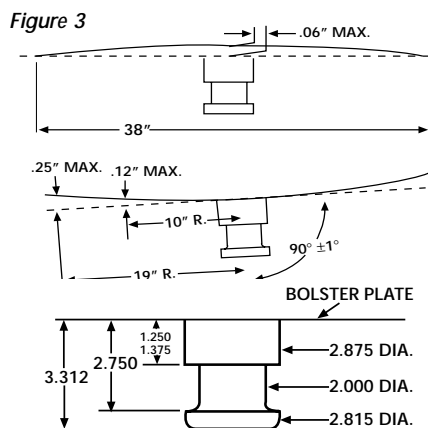
1. Disengage manual secondary lock handle by pulling release handle (*Item 5R or 5L*) until it rests in the unlock detent (see *Figure 1*).



2. The tractor may be putting pressure against locks.
3. Bent kingpin, damaged bolster plate, or improper use of "lube plate."

2. Lock the trailer brakes, then back the tractor tight against the kingpin to relieve pressure on locks. Lock the tractor brakes. Pull release handle.
3. Check the kingpin and upper coupler plate, as detailed in Holland Service Bulletin #20. Remove any improperly installed or improperly specified lube plates. Refer to Holland Service Bulletin #4 and 4a for lube plate warnings.

Check the kingpin with a Holland TF-0110 kingpin gage and bolster plate with with a 48" straight edge — repair or replace as required. (See *Figure 2* and *Figure 3* below, and Service Bulletin #20.)



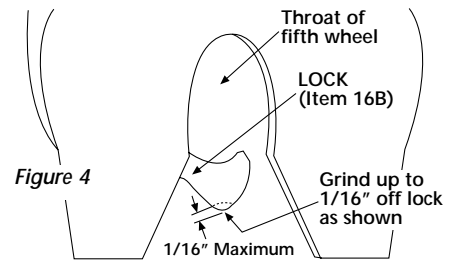
## PROBLEM: Difficult to uncouple from trailer (con't.)

### Cause

4. Fifth wheel release handle will not stay in unlock position after release handle is pulled.
5. Back edge of swing lock (*Item 16B*) catching on plunger (*Item 2*).

### Remedy

4. Fifth wheel needs rebuilding. Rebuild fifth wheel using proper rebuild kit for your model fifth wheel.
5. Grind up to 1/16" off the tip/contact point of the swinging lock (*Item 16B*). See *Figure 4*.



6. Lack of lubrication.

6. Remove dirt, grime, old lubrication, etc. with a thorough steam-cleaning. Re-lubricate all moving parts, as shown in *Figure 5*. (Also see Service Bulletin #9.)

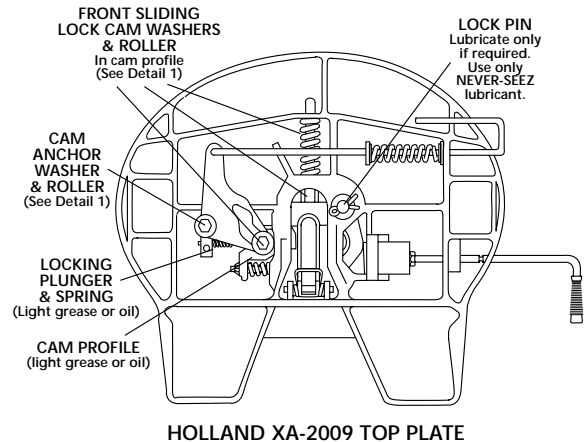
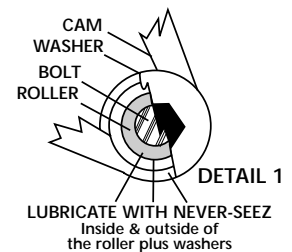


Figure 5



**PROBLEM:** Difficult to couple to trailer

**Cause**

1. Lock is closed.

**Remedy**

1. Disengage the manual secondary lock (*Item 25*) of equipped. Pull the release handle (*Item 5L* or *5R*), pry open the locks (*Items 16A* and *16B*) with a pry bar. Adjust landing gear to proper coupling height, as shown in *Figure 6*.

(This condition is generally caused by previous coupling attempt at the wrong height. The kingpin (trailer) is too high and the bottom of the kingpin “skids” the lock shut without capturing the kingpin. See Service Bulletin #27.)

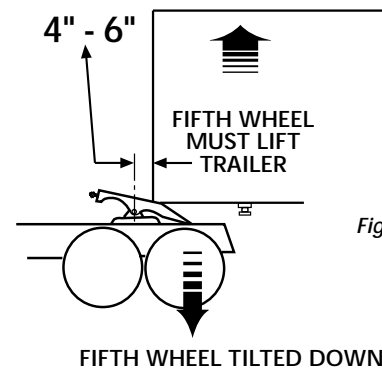


Figure 6

If lock has been “skidded” closed, inspect the lock guard (*Item 19*) for damage and proper height setting. The center of the hinged lock (*Item 16B*) must contact the lock guard when attempting to close the locks. (See *Figure 7*).

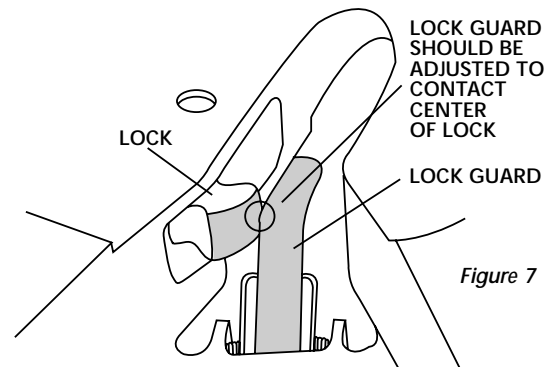


Figure 7



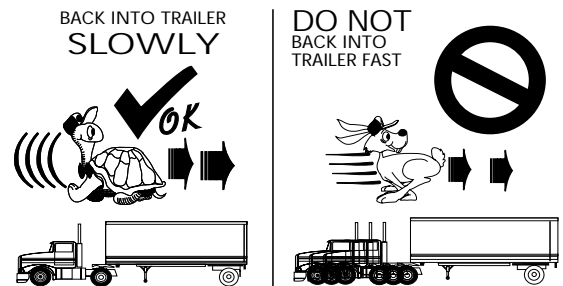
## PROBLEM: Difficult to couple to trailer (con't.)

### Cause

4. Attempting to couple too fast.

### Remedy

4. Slowly back the tractor up to the trailer. Pick up the trailer with the fifth wheel. STOP. Then continue backing until the fifth wheel locks firmly to the kingpin. Stopping helps prevent hitting the kingpin too hard.



5. Bent release handle (*Item 5R* or *5L*).

5. Replace release handle (*Item 5R* or *5L*) using proper Holland release handle kit.

6. Lock adjusted too tight.

6. Properly adjust fifth wheel locks following the procedures in the Lock Adjustment section of the maintenance instructions included with your fifth wheel (Holland publication #XL-FW303).

7. Damaged top plate (bent down in lock/throat area.)

7. Replace top plate.

8. Damaged/deformed lock guard.

8. Replace lock guard (*Items 19-21*) and adjust. When properly adjusted, the center of the swing lock (*Item 16B*) must contact the lock guard (*Item 19*). (See *Figure 11*.)

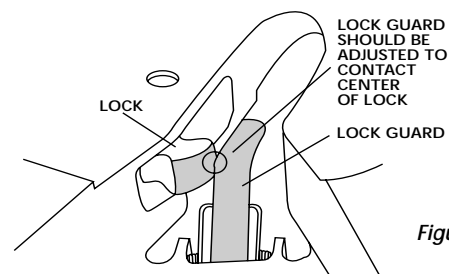


Figure 11

9. Mechanic reversed sliding lock spring (*Item 15*) and plunger spring (*Item 1*) during rebuild.

9. Re-install properly. The red "heavy" spring must be installed on the locking plunger (*Item 2*).

## PROBLEM: Difficult to couple to trailer (con't.)

### Cause

10. Locks (*Items 16A & 16B*) out of time or broken gear teeth.

### Remedy

10. Replace both locks (*Item 16A & 16B*).  
Re-adjust locks. See XL-FW-303.

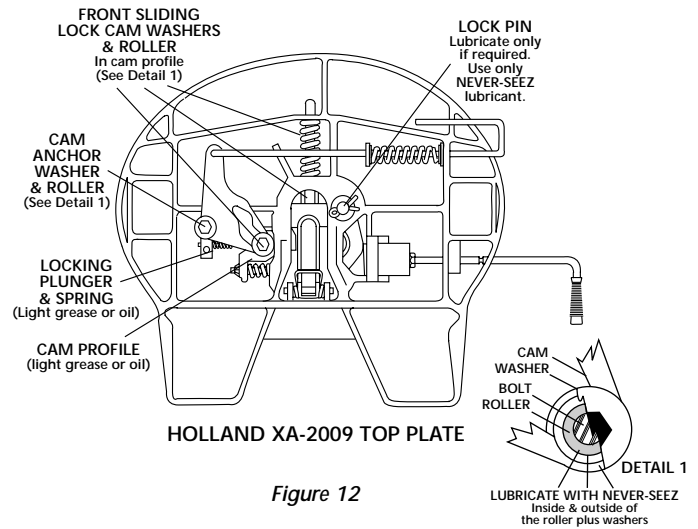


Figure 12

11. Lack of lubrication.

11. Remove dirt, grime, old lubrication, etc. with a thorough steam-cleaning. Relubricate all moving parts, as shown in *Figure 12*. Follow recommended lubrication schedule as detailed in Service Bulletin #9.

12. Cam bolt(s) are too tight (*Item 9 & Item 10*) restricting cam plate (*Item 6R or 6L*) rotation or washers (*Item 8*) installed upside down.

12. Readjust cam plate bolts (*Items 9 & 10*). Tighten bolts securely, then loosen until top washer spins freely.

Note: When installing washers (*Item 8*), the rounded edge of the washer must always face the cam plate (see *Figure 13*).

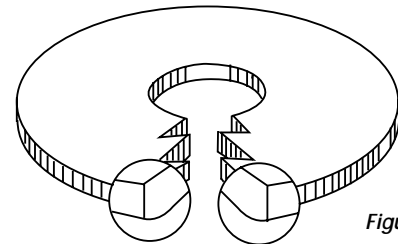


Figure 13





## FW2000 (XA-2009) FIFTH WHEEL Trouble-Shooting Guide

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### PROBLEM: Cannot pull release handle

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Cause	Remedy
1. The tractor may be putting pressure against locks.	1. Lock the trailer brakes, then back the tractor tight against the kingpin to relieve pressure on locks. Lock the tractor brakes. Pull release handle.
2. Lock adjusted too tight.	2. Properly adjust fifth wheel locks following the procedures in the Lock Adjustment section of the maintenance instructions included with your fifth wheel (Holland publication XL-FW303).
3. Bent kingpin, damaged upper coupler plate or improper use of "lube plate."	3. Check the kingpin and upper plate coupler as detailed in Holland Service Bulletin #20. Remove any improperly installed or improperly specified lube plates. Refer to Holland Service Bulletin #4 and 4a for lube plate warnings.

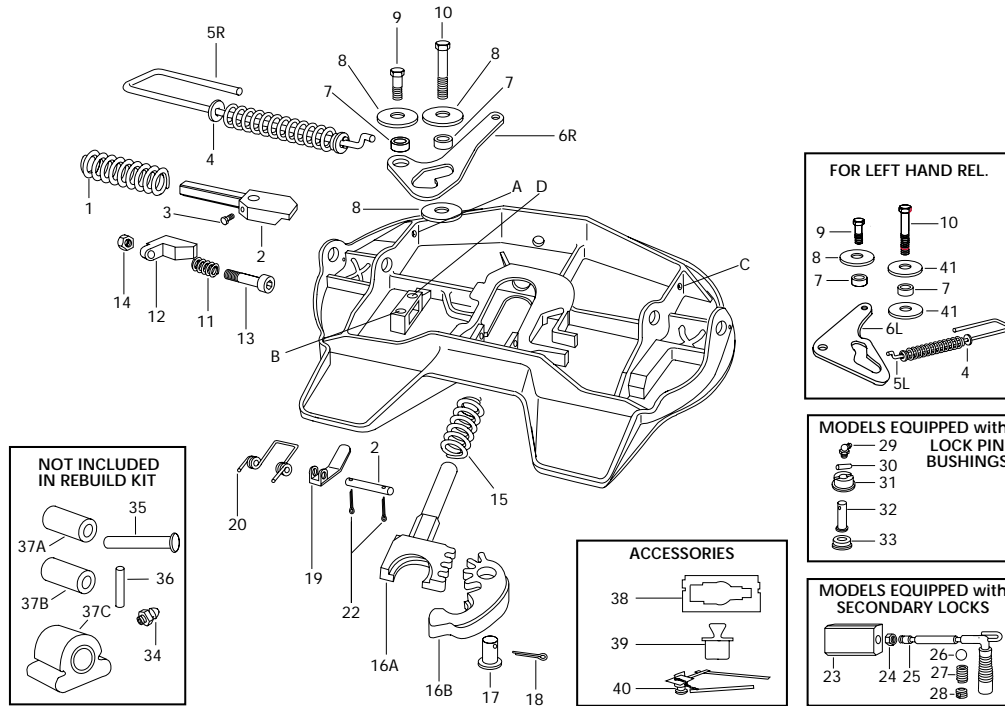
### PROBLEM: Plunger does not disengage when release handle is pulled.

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Cause	Remedy
1. Damaged cam bolt ( <i>Item 9 &amp; Item 10</i> ).	1. Remove cam plate ( <i>Item 6R or 6L</i> ). Inspect for wear. Repair or replace as necessary. Install new cam bolts ( <i>Item 9 &amp; Item 10</i> ).



# FW2000 (XA-2009) FIFTH WHEEL Trouble-Shooting Guide



ITEM	PART NO.	NO. REQ'D.	PART NAME	ITEM	PART NO.	NO. REQ'D.	PART NAME
1	XB-1007 (Red)	1	Comp. Spring 15/8" O.D. x 5"	21	XA-1055	1	Pin
2	XA-1119	1	Plunger	22	XB-16	2	Cotter pin 1/8" x 1"
3	XB-15	1	Set Screw	*23	XA-1668	1	Safety lock block
4	XB-T-49	1	Plain washer 1/2"	*24	XB-NRI-34-F	1	Jam nut
5L	RK-1117-1L	1	Left hand release handle (Item No. (4) must be installed on handle for complete assy.)	*25	XA-1674	1	Safety release arm
5R	RK-1117-1	1	Right hand release handle (Item No. (4) must be installed on handle for complete assy.)	*26	XB-V-919	1	1/2" diameter steel ball
6L	XA-1118-2-L	1	Left hand cam plate	*27	XB-V-932	1	Compression spring
6R	XA-1118-1	1	Right hand cam plate	*28	XB-V-1025	1	Set screw 5/8" - 18
7	XA-1029	2	Roller	**29	XB-767-C	1	Grease fitting
8	XB-1030	3	(For right hand) washer - 1/2" I.D. x 21/4" O.D.	**30	XB-21-S-250-1875	1	Roll pin
9	XB-2083	1	(For left hand) washer	**31	XA-279	1	Lock pin bushing
10	XB-1031	1	Hex hd. screw 1/2"-20 x 13/4" with locking patch	**32	XA-1016-C	1	Hinged lock pin
11	XB-403	1	Spring	**33	XA-278	1	Lock pin bushing
12	XD-3123-1	1	Lock adjusting wedge	*34	XB-H-38	2	Grease fitting
13	XB-09407	1	5/8"-11 x 33/4" Soc. hd. screw	*35	XA-2016	2	Bracket pin
14	XB-09174	1	5/8"-11 Locknut	*36	XB-21-S-375-1750	2	Roll pin
15	XB-1006 (Green)	1	Comp. spring 11/4" O.D. x 5"	*37A	XB-1604-5	2	Rubber bushing (for fifth wheels mfd. prior to 5/82)
16A	XA-1102	1	Lock set	*37B	XB-0011-1	2	Rubber bushing (no longer available - order RK-03809 bushing & riser kit or refer to Ser. Bulletin no. 16 for instructions)
16B				*37C	XB-0011-2	2	Rubber bushing (for fifth wheels mfd. after 6/87)
17	XA-1016	1	Hinged lock pin	38	TF-0110	1	Kingpin gage
18	XB-5	1	Cotter pin 1/4" x 2"	39	TF-0237	1	2" Lock gage
19	XA-1621	1	Lock guard	40	TF-TLN-1000	1	Kingpin lock tester
20	XB-1044	1	Torsion spring	41	XB-02846	2	Washer (left hand only) 1/2" I.D. x 25/8" O.D.

\* Not included in Rebuild Kit

\*\* Additional parts included in RK-62011 & RK 62012 Rebuild Kits  
(Kits contain Item No. 32 in place of Item No. 17)