



FIFTH WHEELS

RK-07370 AIR RELEASE KIT INSTALLTION INSTRUCTIONS



This kit contains components to upgrade XA-3501-A-LH fifth wheel sub-assembly. To change XA-3501-A (right hand release), obtain part numbers XA-3542-L secondary lock arm and XA-21-S-500-2750 roll pin separately and follow these instructions. Other valuable and helpful information can be found in Holland publications XL-FW129: Rebuilding Procedures for XA-3501 Series Top Plates and XL-FW303: Fifth Wheel Maintenance Procedures.

To fit an air release kit to an existing (manufactured after January 1, 1993) XA-3501-A-LH (left hand release) fifth wheel top plate sub-assembly, perform the following operations:

1. Make sure the top plate casting is the correct version. Only castings manufactured after January 1, 1993 can be retrofitted. To tell whether the casting can be retrofitted, check the two front vertical ribs on either side of the cam (A). The new version will have lower ribs, thus allowing clearance for the air cylinder (see *Figure 1* on the reverse). Do not modify the older version.

2. Remove bolts, washers, rollers and handle sub-assembly from the cam plate. Discard bolts and rollers. Reattach cam plate using new bolts and rollers. The flat washers may be reused. After reinstallation of the cam plate, check for free movement.

3. Place new washers and handle spring over the new release handle. Insert handle grip through the lug from the inside of the fifth wheel plate on the left hand side of the fifth wheel (left is determined by a mounted fifth wheel, standing behind the tractor facing forward).

4. Position the new air cylinder sub-assembly tab through the secondary handle lug slot on the right side of the fifth wheel. The taper of the tab is oriented toward the bottom of the wheel (toward the ground when in operating position). Install a 1/8" x 7/8" spring pin (XB-21-S-125-875) through the tab of the air cylinder, behind the lug of the fifth wheel.

5. Insert the leg of the release handle (XA-07100) through the cylinder clevis, then through the cam plate.

6. Complete the assembly by installing the XB-T-49 washer and XB-06336 cotter pin on the end of the release handle (see *Figure 1* on the reverse).

7. Adjust the fifth wheel locks. Refer to either of the publications listed above for instructions. Refer to publication XL-FW327: Installation and Operation Instructions for Holland Air Release Fifth Wheels XA-351-A-86-L and XA-3501 retrofit wheel for instructions to install the control module. Refer to publication XL-FW328: Installation Instructions for RK-06559 Air Release Kit.

To fit an air release kit to an existing (manufactured after January 1, 1993) XA-3501-A (righthand release) fifth wheel top plate sub-assembly, perform the following operations:

1. Make sure the top plate casting is the correct version. Only castings manufactured after January 1, 1993 can be retrofitted. To tell whether the casting can be retrofitted, check the two front vertical ribs on either side of the cam. The new version will have lower ribs, thus allowing clearance for the air cylinder (see *Figure 1* on the reverse). Do not modify the older version.

2. Disassemble secondary lock sub-assembly, XA-3542-R, by driving through the 1/2" x 2-3/4" roll pin.

3. Remove bolts, washers, rollers, and handle sub-assembly from the cam plate. Discard bolts and rollers.

4. Invert the cam plate and relocate to the opposite lug (from which the secondary lock was removed as shown in *Figure 2* on the reverse). Reattach cam plate using new bolts and rollers. The flat washers may be reused.

5. Install a new secondary lock sub-assembly with a new XA-21-S-500-2750 roll pin (see *Figure 3*). The torsion spring may be reused. After reinstallation of the cam plate, check for free movement.

6. Place new washers and handle spring over the new release handle. Insert the handle grip through the lug from the inside of the fifth wheel plate on the left hand side (left is determined by a mounted fifth wheel, standing behind the tractor facing forward).

7. Position the new air cylinder sub-assembly tab through the secondary handle lug slot on the right side of the wheel. The taper of the tab is to be oriented toward the bottom of the wheel (toward the ground when in operating position). Install a 1.8" x 7/8" spring pin (XB-21-S-125-875) through the tab of the air cylinder behind the lug of the fifth wheel.

8. Insert the leg of the release handle through the cylinder clevis, then through the cam plate.

9. Complete the assembly by installing the XB-T-49 washer and XB-06336 cotter pin on the end of the release handle.

10. Adjust the fifth wheel locks. Refer to either of the publications listed above for instructions. Refer to publication XL-FW327: Installation and Operation Instructions for Holland Air Release Fifth Wheels XA-351-A-86-L and XA-3501 retrofit wheel for instructions to install the control module. Refer to publication XL-FW328: Installation Instructions for RK-06559 Air Release Kit.

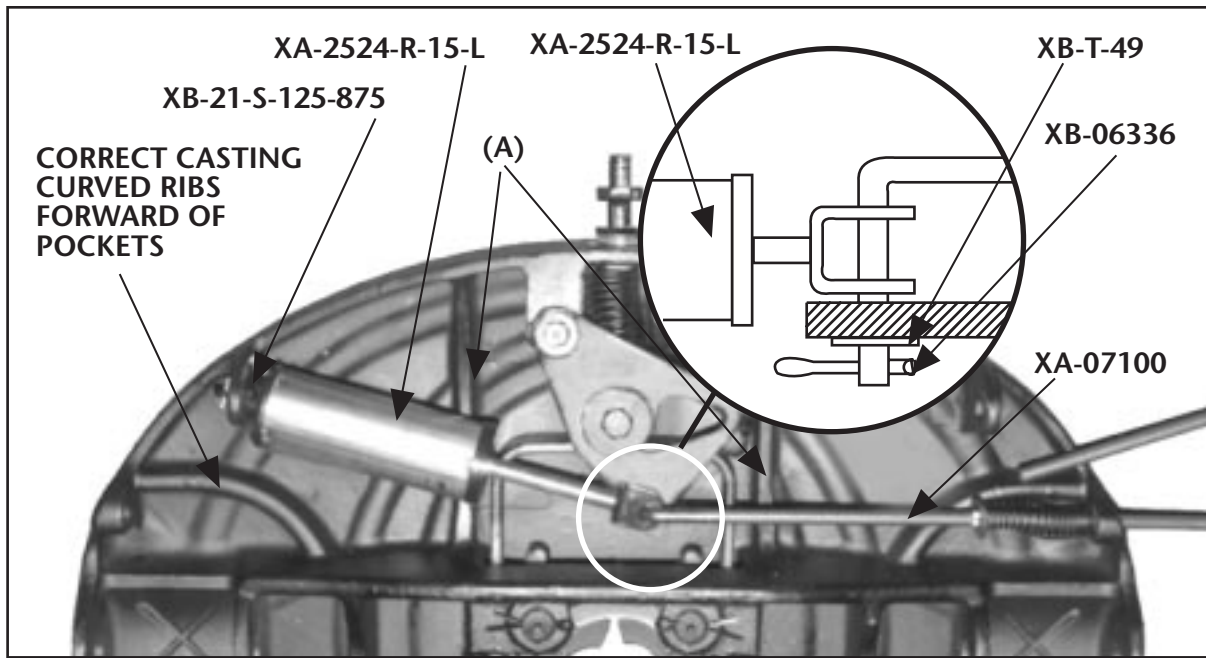


Figure 1



Figure 2



Figure 3



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HOLLAND USA, INC.
 1950 Industrial Blvd. • P.O. Box 425 • Muskegon, MI 49443-0425
 Phone 888-396-6501 • Fax 800-356-3929
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