



GO THE DISTANCE.

FIFTH WHEELS

SIMPLEX II® & SIMPLEX® Bracket Pad/Shoe Removal and Replacement

Check the components of this package. The following parts should be included in this kit. If you didn't receive an item, please contact your dealer or distributor.

Part Description	Qty.
Bracket Pad	2
Bracket Shoe	2
Bracket Pin	2
Clinch Pin	2

Disassembly

1. Lock the jaw mechanism using a bar or block (Figure 1).



Figure 1

CAUTION The lock is spring loaded. To avoid injury, keep hands away from lock and jaw. Use a bar or block to rotate jaw when opening or closing the locking mechanism. When locking the jaw, stand clear of the extended operating rod, as it retracts rapidly.

2. Remove the bracket pin clinch pins and the bracket pins at both sides (Figure 2).



Figure 2

3. If the pins are difficult to remove, compress the fifth wheel downward against the mounting bracket trunnions with a clamp or any other suitable means (for example, placing it under a light trailer), to relieve the load on the bracket pins.

4. Using a chain hoist, carefully turn over the fifth wheel plate assembly to expose its underside. **DO NOT** use the operating handle to move or lift the fifth wheel.

5. Drive out the bracket shoes at both sides with a hammer (Figure 3) and a drift pin (Figure 4) or similar tools at the bracket shoe stop side of the plate casting pocket. A screwdriver may be wedged between the bracket shoe and pad to assist in bracket shoe removal (Figure 5).

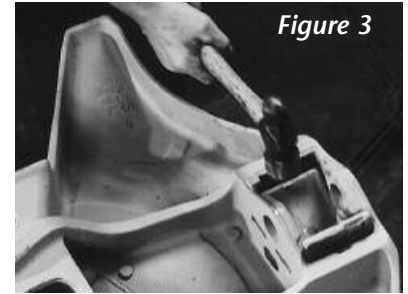


Figure 3

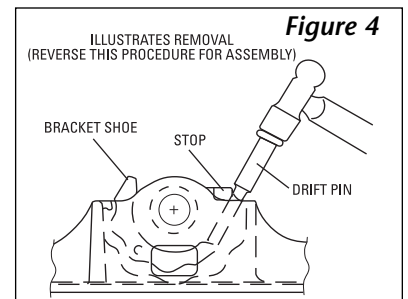


Figure 4

6. After removal of the bracket shoes, use a screwdriver or similar tool to pop one end of the bracket pad out of the place casting pocket and remove at both sides (Figure 6).

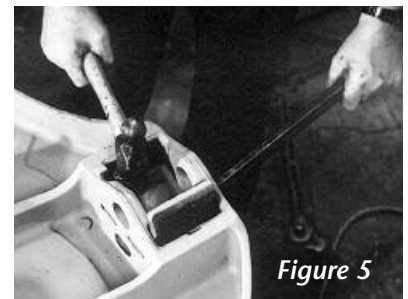


Figure 5

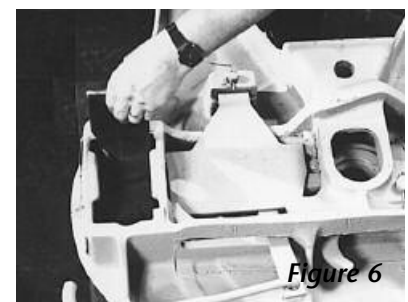


Figure 6

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Assembly

1. Install the new bracket pads. It may be necessary to use a block and hammer to tap the bracket pads entirely within the plate casting pocket end stops.
2. Drive the bracket shoes in place against the plate casting bracket shoe end stops using a hammer (*Figure 7*). Lubrication is not required for polyurethane bracket shoe applications.



Figure 7

3. Using a chain hoist, carefully turn over the fifth wheel plate assembly and position on the mounting bracket trunnions.

4. If necessary compress the fifth wheel downward against the mounting bracket trunnions with a clamp or any other suitable means (for example, placing it under a light trailer), and install the bracket pins at both sides.
5. Install the bracket pin clinch pins in the bracket pins at both sides. The clinch pins must not be jammed against the cover plate or casting.
6. To assure that the fifth wheel locks properly, perform the appropriate (air-ride suspension or non air-ride suspension) Coupling Procedures in the "Simplex and Simplex II Operating Instructions" manual.



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Holland USA, Inc. Facilities:

Dumas, AR Muskegon, MI
Holland, MI Warrenton, MO
Monroe, NC Wylie, TX

Ph: 888-396-6501 Fax: 800-356-3929

Holland International, Inc.

Holland, MI
Phone: 616-396-6501
Fax: 616-396-1511

Holland Hitch of Canada, Ltd.

Woodstock, Ontario • Canada
Phone: 519-537-3494
Fax: 800-565-7753

Holland Equipment, Ltd.

Norwich, Ontario • Canada
Phone: 519-863-3414
Fax: 519-863-2398

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Phone: 604-574-7491
Fax: 604-574-0244