3-8 Shank Sub-Soiler Inline Ripper
Inline Ripper Gauge Wheel Jack Kit

Used with:
• 3-8 Shank Sub-Soiler Inline Ripper

When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

General Information

These instructions explain how to install the Inline Ripper Gauge Wheel Jack Kit. The Inline Ripper Gauge Wheel Jack Kit allows for jacks to be added to the Inline Ripper Gauge Wheels to adjust the depth of the ripper. These instructions apply to:

596-157A   Inline Ripper Gauge Wheel Jack Kit

Manual Update

Refer to the **3-8 Shank Sub-Soiler Inline Ripper** operator's manual for detailed information on safely operating, adjusting, troubleshooting and maintaining the **Inline Ripper Gauge Wheel Jack**. Refer to the parts manual for part identification.

596-086M   Operator's Manual
596-086P   Parts Manual

Before You Start

Page 7 is a detailed listing of parts included in the Inline Ripper Gauge Wheel Jack Kit. Use this list to inventory parts received.

Tools Required
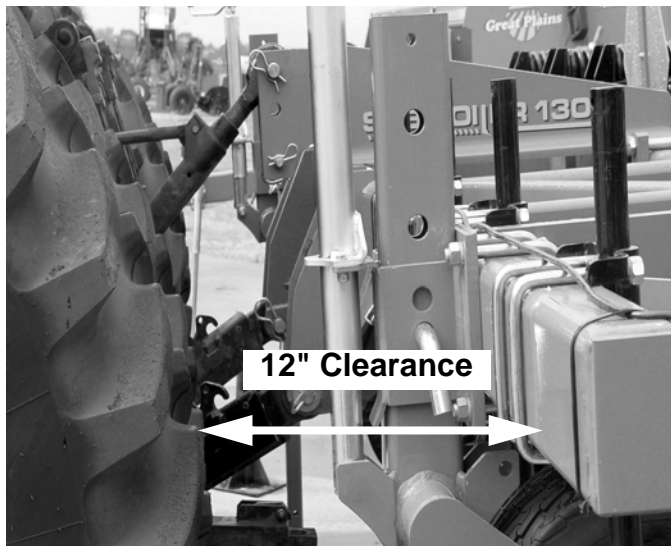• Basic Hand Tools

• Welder

• DA Grinder

Assembly Instructions

Refer to Figure 1

NOTE: Mounting the jack to the gauge wheel arm may cause clearance problems with the Great Plains Sub-Soiler Hitch or with tractor tires if the ripper is 3-point mounted. **If gauge mounts line up with tires or hitch, be sure there is at least 12" clearance between front of the frame tube and tires or hitch.** If the 12" clearance exists, the gauge wheels will mount on the front side of the front frame tube. Please refer to the following instructions on page 2. If there is not 12" clearance, the gauge wheels will need moved out towards the end of the frame or need mounted on the back side of the front frame tube. Please refer to page 4 for these instructions.

12" Clearance

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Figure 1

**Mounting the Jack on Gauge Wheels with 12"
Clearance**

Refer to Figure 2

1. After determining 12" clearance between the front of the frame tube to tires or hitch, grind paint on bottom portion of front of the gauge wheel arm (2).

2. Center and align gauge wheel jack lower mount (1) flush with the bottom of the gauge wheel arm (2). Weld mount (1) on arm (2).

3. Grind paint on the gauge wheel mount (3). Center and align upper jack mount plate (4) flush with the bottom of the gauge wheel mount (3). Weld plate (4) to gauge wheel mount (3).

4. Repeat steps 1-3 on opposite side of inline ripper frame. Paint new parts with Great Plains Green available at the nearest authorized Great Plains dealer.
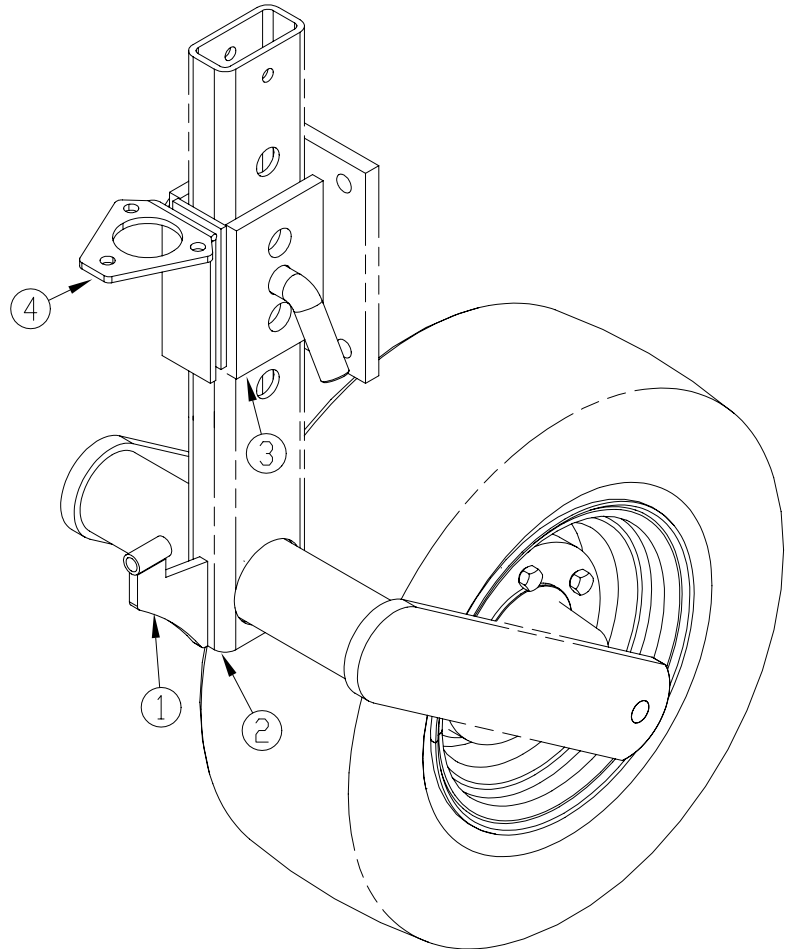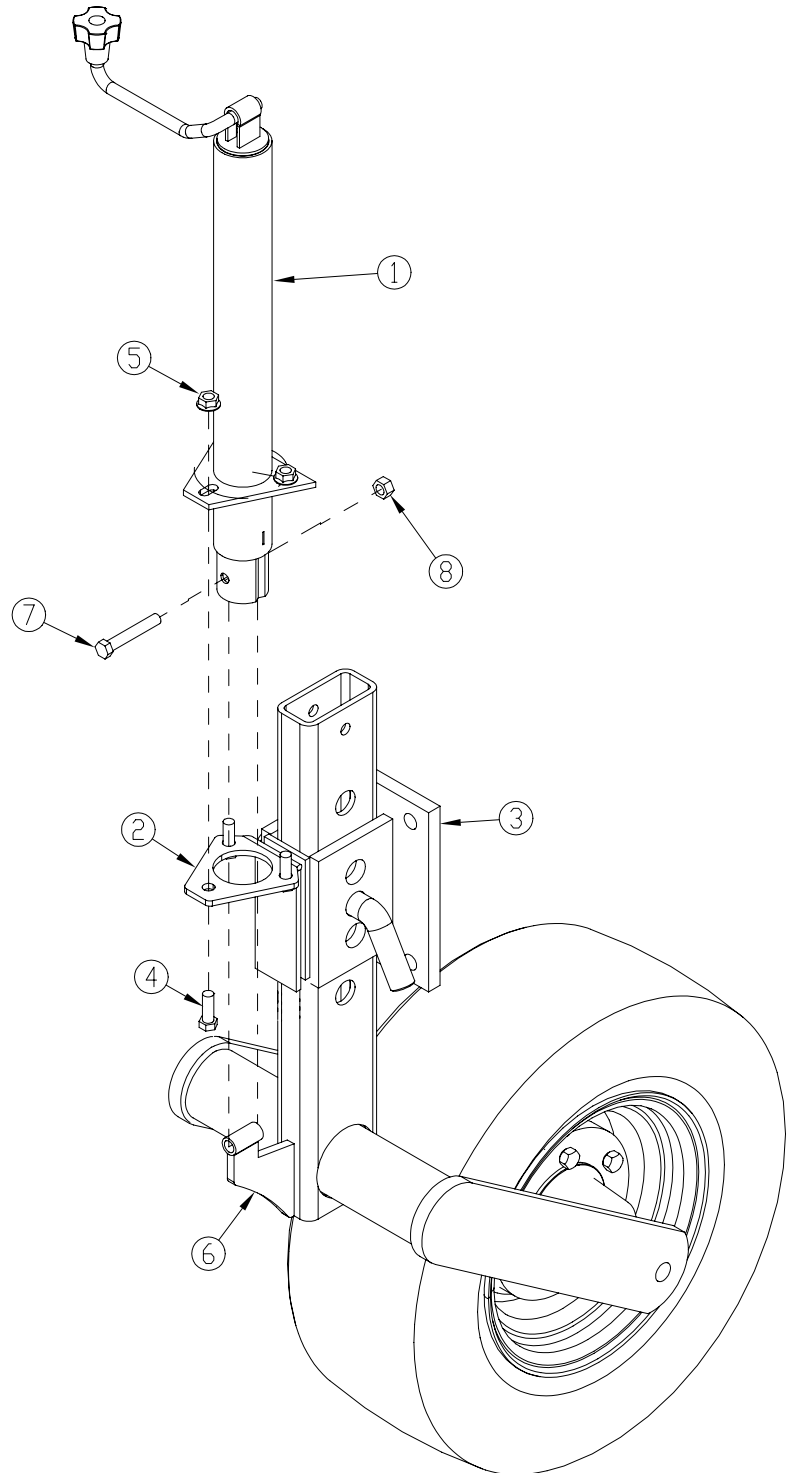

Figure 2

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Refer to Figure 3

5. Assemble jack (1) by inserting jack through upper jack mount plate (2) located on gauge wheel mount (3). Secure plate (2) to jack (1) with three 7/16-14 x 1 1/4 bolts (4) and nut hex flange locs (5).

6. Secure jack (1) to gauge wheel jack lower mount (6) with 7/16-14 x 2 3/4 bolt (7) and nut hex lock (8).

7. Repeat steps 5 and 6 on opposite side of inline ripper frame.

NOTE: The jacks should only be used to help raise and lower the gauge wheels. The cross pin still needs to be used in order to avoid overloading the jack.

Figure 3

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**Mounting the Jack on Gauge Wheels without 12"
Clearance**

NOTE: There are two options for mounting jacks to gauge
wheels without 12" clearance. **Option 1** moves the gauge
wheels out towards the ends of the frame so they are not
lined up with the tractor tires or hitch. If you choose this op-
tion, move the gauge wheels and follow steps on page 2 list-
ed under **Mounting Jack on Gauge Wheels with 12"
Clearance**. **Option 2** mounts the gauge wheels on the back
side of the front frame tube as shown in Figure 4. If you
choose this option, follow the steps below.

Refer to Figure 4

1. Remove pin securing gauge wheel arm to gauge wheel
    mount and remove gauge wheel and arm.

2. Unscrew U-bolts attaching gauge wheel mount to front
    side of front frame tube. Keep parts for reuse.

3. Remove gauge wheel mount. Turn mount around so
    gauge wheel can be mounted on back side of front
    frame tube (3) as shown in Figure 4.

4. Attach gauge mount (1) to back side of front frame tube
    (3) with U-bolts (4) removed in step 1.Place gauge
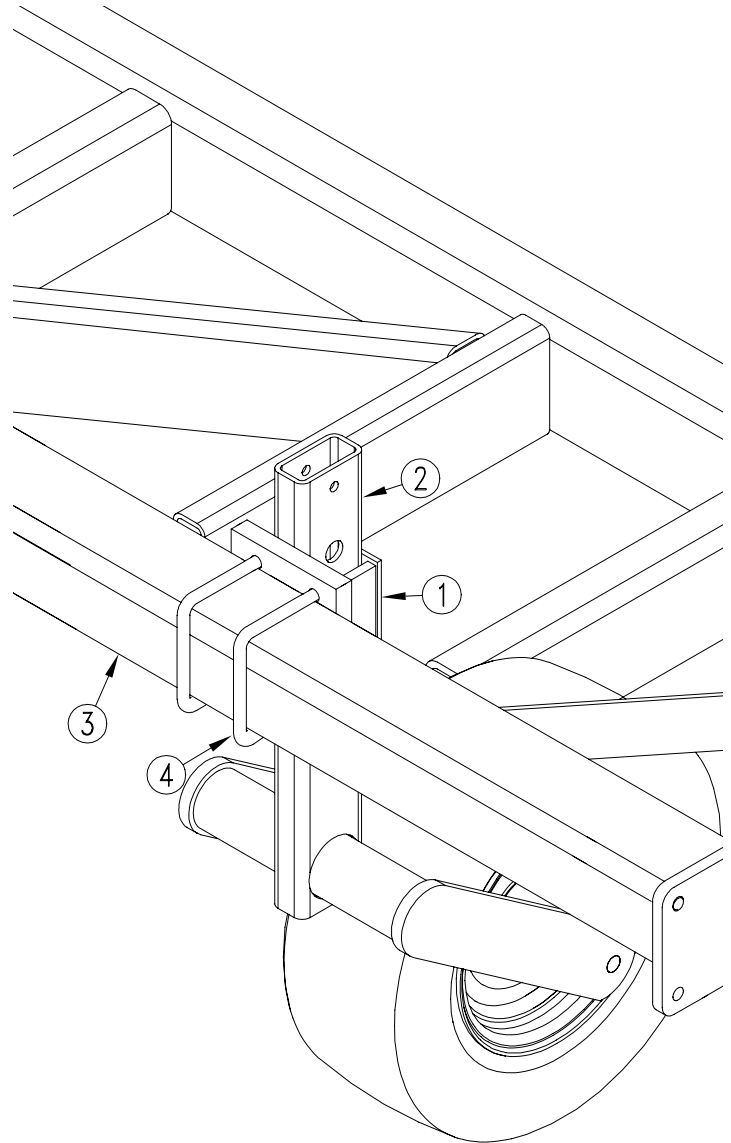   wheel arm (2) on gauge wheel mount (1) and secure
    with pin.
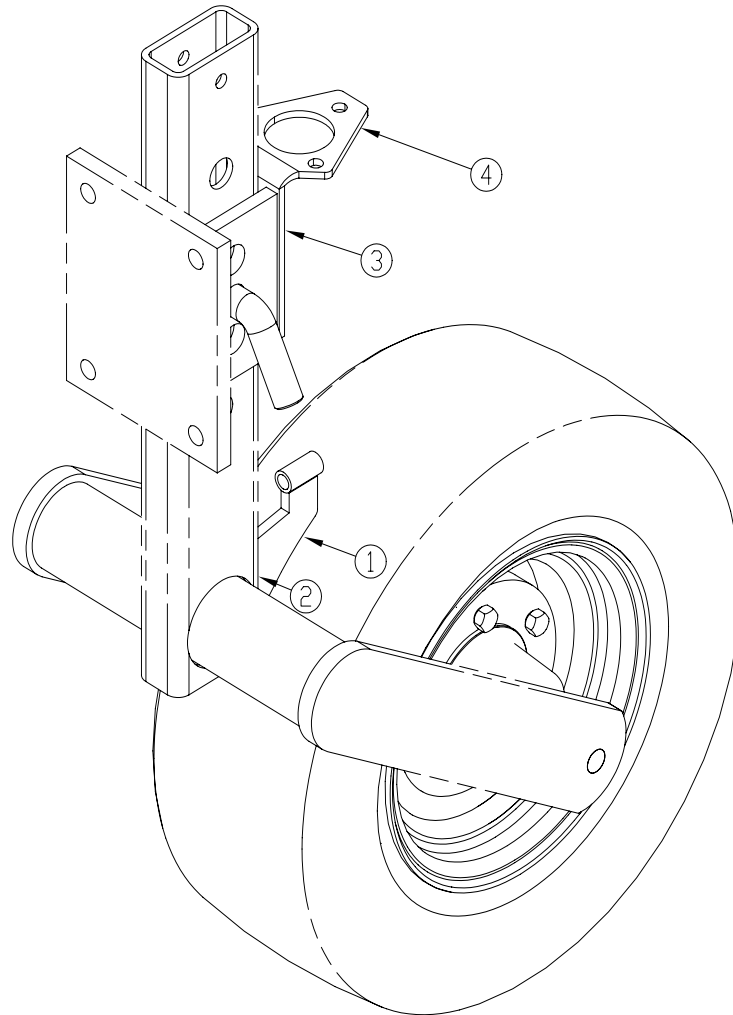

Figure 4   23179

Figure 5   23174

Refer to Figure 5

5. Grind paint on bottom portion of back of the gauge wheel arm (2).

6. Center and align gauge wheel jack lower mount (1) flush with the bottom of the gauge wheel arm (2). Weld mount (1) on arm (2).

7. Grind paint on the gauge wheel mount (3). Center and align upper jack mount plate (4) flush with the bottom of the gauge wheel mount (3). Weld plate (4) on gauge wheel mount (3).

8. Repeat steps 5-7 on opposite side of inline ripper frame. Paint new parts with Great Plains Green available from the nearest authorized Great Plains dealer.

Refer to Figure 6

9. Assemble jack (1) by inserting jack (1) through upper jack mount plate (2) located on gauge wheel mount (3). Secure plate (2) to jack (1) with three 7/16-14 x 1 1/4 bolts (4) and nut hex flange locs (5).

10. Secure jack (1) to gauge wheel jack lower mount (6) with 7/16-14 x 2 3/4 bolt (7) and nut hex lock (8).

11. Repeat steps 9 and 10 on opposite side of in-line ripper frame.

NOTE: The jacks should only be used to help raise and lower the gauge wheels. The cross pin still needs to be used in order to avoid overloading the jack.
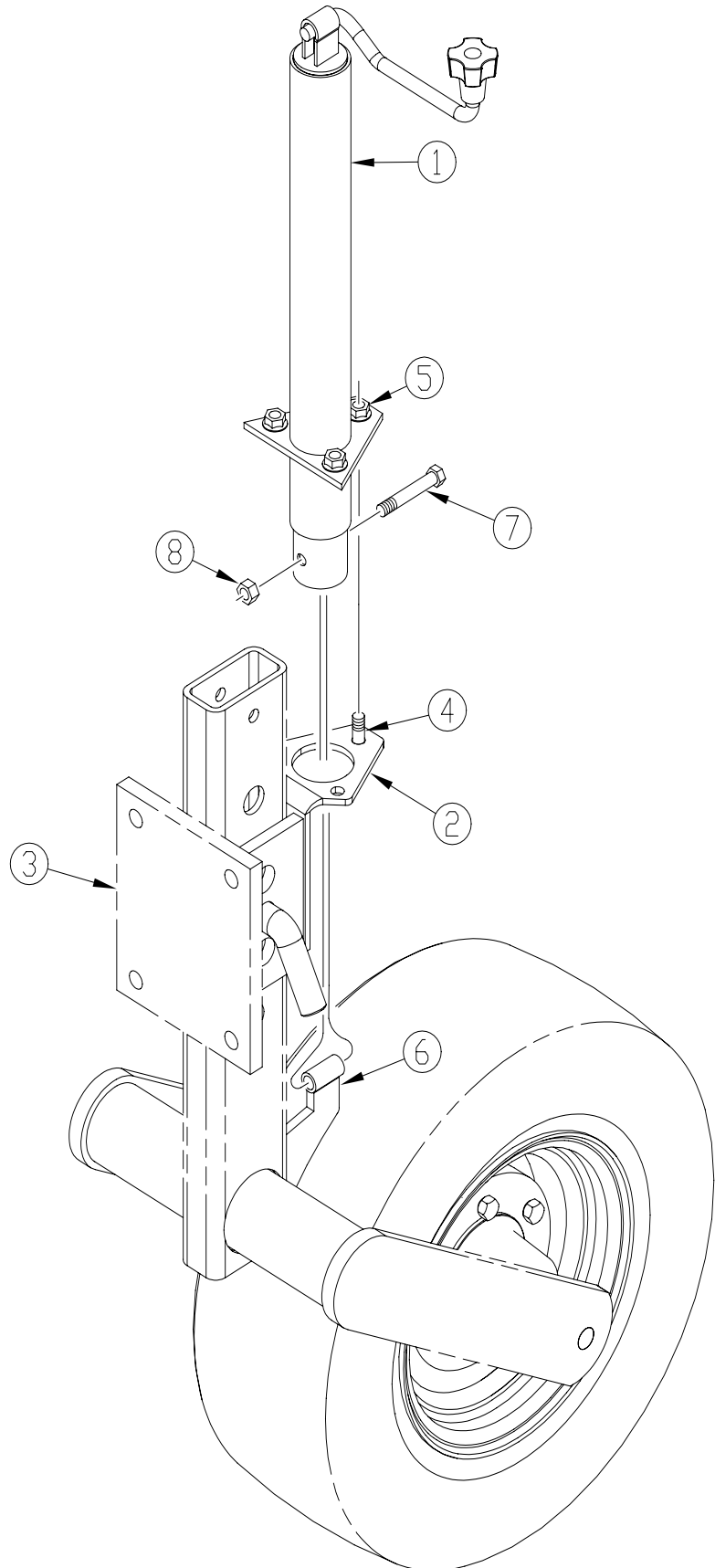
Figure 6   23178

596-157A Inline Ripper Gauge Wheel Jack Kit

Your kit includes:

Qty.	Part No.	Part Description
2	596-159H	GAUGE WHEEL JACK LOWER MOUNT WELD
2	596-232D	UPPER JACK MOUNT PLATE
2	802-315C	HHCS 7/16-14 x 2 3/4 GR5
6	802-673C	HHCS 7/16-14 x 1 1/4 GR5
2	803-200C	NUT HEX LOCK 7/16-14 PLT
6	803-229C	NUT HEX FLANGE LOC 7/16-14 PLT
2	890-875C	SCREW JACK 2000# TP-WND A-FRAM