

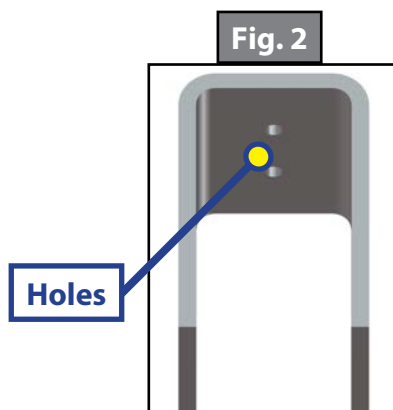
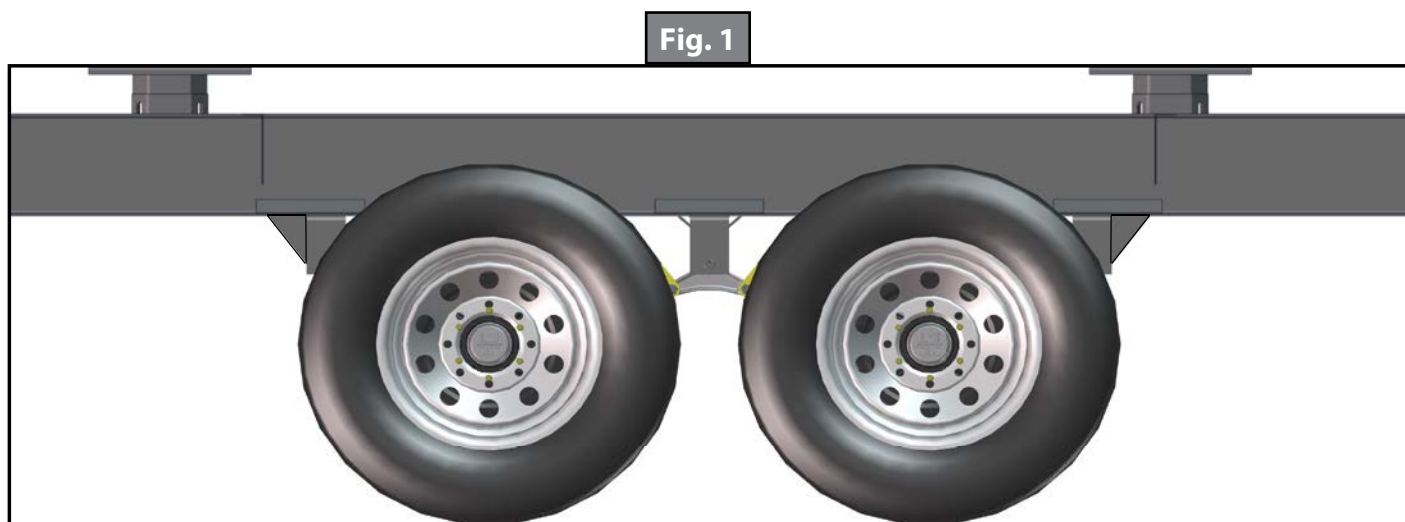
FRAMES AND CHASSIS

Introduction

The intent of this inspection is to help identify which spring hangers have been installed.

Procedure

1. Examine each hanger (6) as installed on the frame (Fig. 1).



2. Check the flat part of the bracket that mounts against the frame for two holes approximately 1/4" in diameter, centered side to side, and approximately 1" in from each end (Fig. 2). If these two holes are present proceed to "Spring Hanger Testing Step 2 Form S323".

FRAMES AND CHASSIS

Introduction

The intent of this sheet is to show how to test the Spring Hangers on the frame.

Procedure

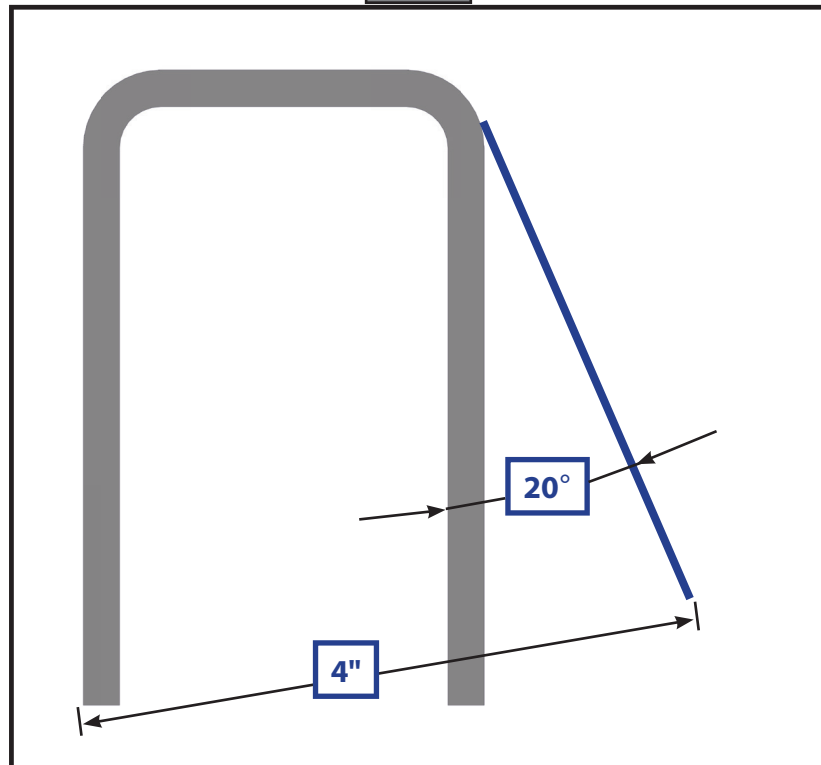
1. The first step in the testing process is to properly support the unit with jack stands and drop the axle(s) from the hanger(s) that need to be inspected.

WARNING

Lift unit by frame and never the axle or suspension. Do not go under unit unless it is properly supported by jack stands. Unsupported units can fall causing death or serious injury.

2. Use a fork-type tool/crescent wrench/pipe wrench to bend the side of the hanger about 20° to the side (do not bend more than 4" from the opposite side of the hanger)(Fig. 1). If the hanger breaks, proceed to "Spring Hanger Replacement Instructions Step 3 Form S324". If the hanger does not break, straighten the hanger and reattach the axle(s) to the hanger(s).

Fig. 1



FRAMES AND CHASSIS

Introduction

The intent of this sheet is to provide instructions to replace a broken spring hanger.

Tools Required

- Die Grinder (with cutting wheel attachment)
- Welder
- Grinding Wheel
- Tape Measure

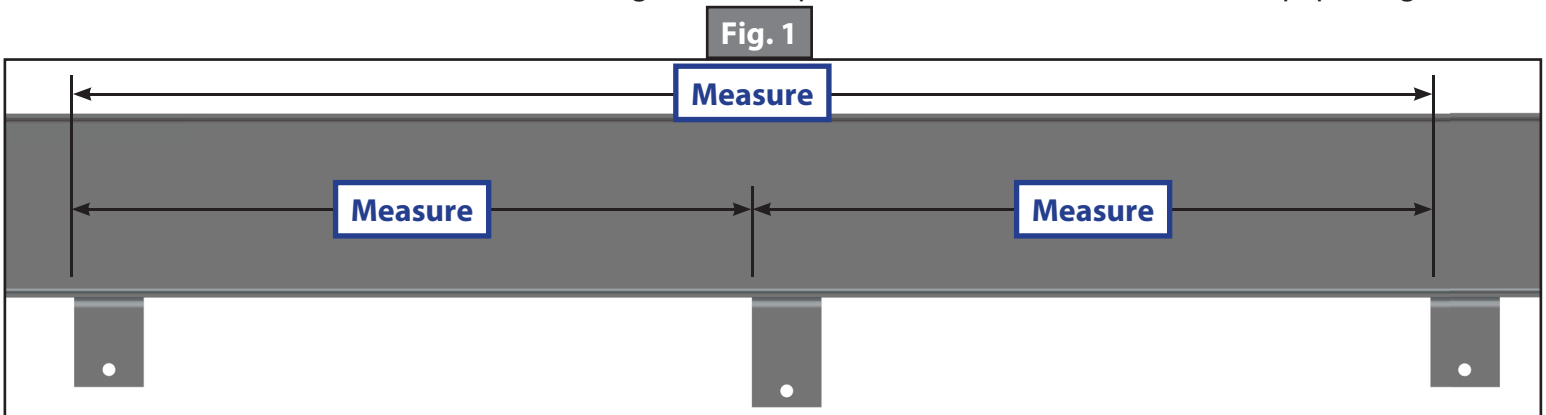
Procedure

1. Support the unit with jack stands and drop the axle(s) from the hanger(s) that need to be replaced.

⚠ WARNING

Lift unit by frame and never the axle or suspension. Do not go under unit unless it is properly supported by jack stands. Unsupported units can fall causing death or serious injury.

2. Measure the locations of all of the hangers to be replaced and mark them on a sheet of paper (Fig. 1).

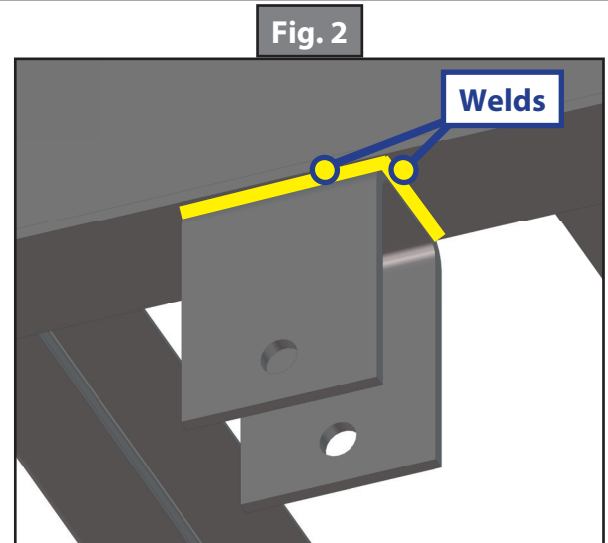


3. Using a die grinder with a cutting wheel, cut through each weld on all four sides of each hanger. Be sure not to cut into the frame (Fig. 2).

⚠ CAUTION

Do not use a cutting torch or plasma cutter for this procedure as this may cause personal injury or damage to the unit.

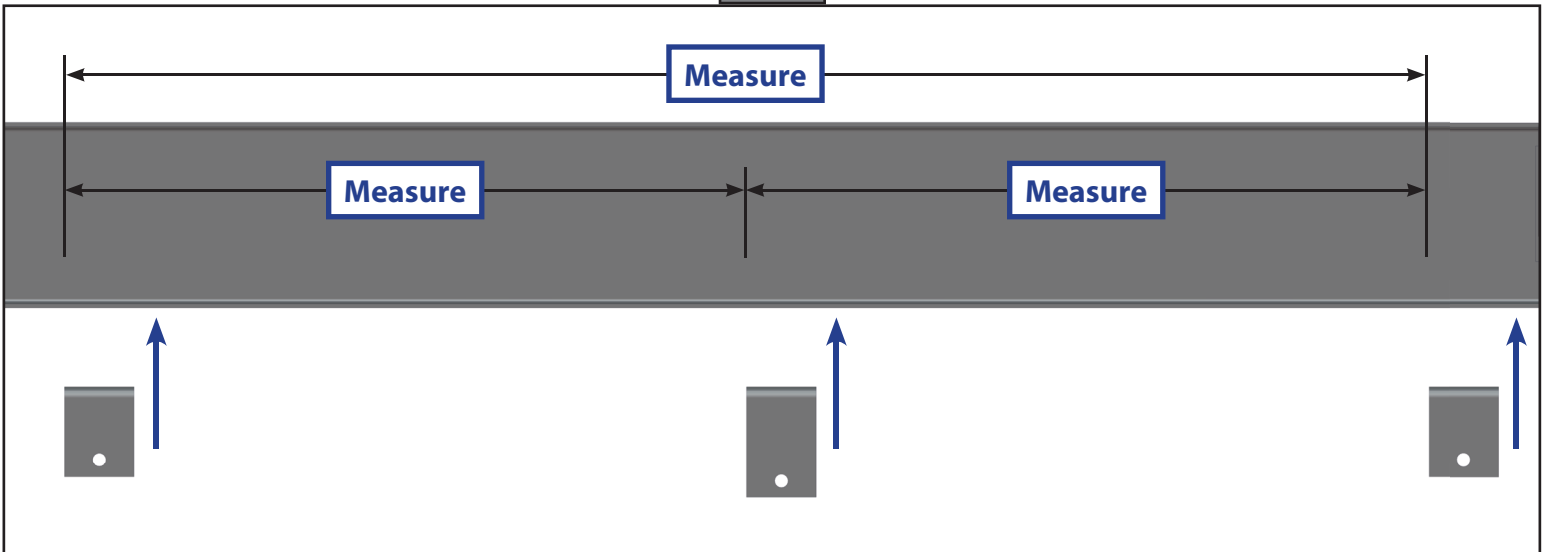
4. Grind off any excess welding material until the surface of the frame is smooth. Be sure to not grind into the frame.



FRAMES AND CHASSIS

5. Measure and mark the frame where the new hangers will be mounted. Be sure the new hangers are properly aligned (Fig. 3).

Fig. 3



6. Weld the new hangers into place using a 1/4" continuous weld bead on all four sides (Fig. 4).

Fig. 4

