



SLIDING SPARE TIRE CARRIER OEM INSTALLATION MANUAL

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Introduction

The Sliding Spare Tire Carrier allows easy access to store and retrieve the spare tire under a travel trailer or 5th Wheel. The Sliding Spare Tire Carrier allows mounting the bulky tire beneath the trailer and out of the way. This system is very easy to mount and if access to the spare tire is required, simple to remove. The Sliding Spare's universal mounting design allows product installation from either roadside or curbside and front or rear of the frame for tire accessibility.

Safety

Read all instructions and safety labels before starting installation of this product.

WARNING

The trailer must be supported per OEM recommendations before working underneath. Failure to do so may result in death, serious personal injury, severe product or property damage.

WARNING

The Sliding Spare Tire Carrier has a maximum capacity of 100lbs and a tire diameter of no more than 36". Do not exceed this limit or death, serious personal injury, severe product or property damage may occur. Keep people and pets at a safe distance during product installation and tire storage or removal.

CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- 1-2 people, depending on task
- Cordless or electric drill or screw gun
- Appropriate drive bits
- Two #10 - 16 x 3/4" self-drilling hex washer head screws
- Adjustable wrench
- Measuring tape
- Method of non-permanent marking

Preparation

The Sliding Spare Tire Carrier has two different versions. One version is the No-Underbelly frame and the other version is the Underbelly frame, which gives ample clearance for any obstructions under the trailer. The version to install will be based on the tube location on the frame.

The tube to install the Sliding Spare Tire Carrier is located underneath the frame, running curbside to roadside perpendicular to the frame I-beams, behind the back axle (Fig. 1A). If the tube is located in the web of the I-beams, use the No-Underbelly version (Fig. 2A). If the tube is located underneath the flange of the I-beam, then the Underbelly version should be installed (Fig. 3A).

Fig. 1

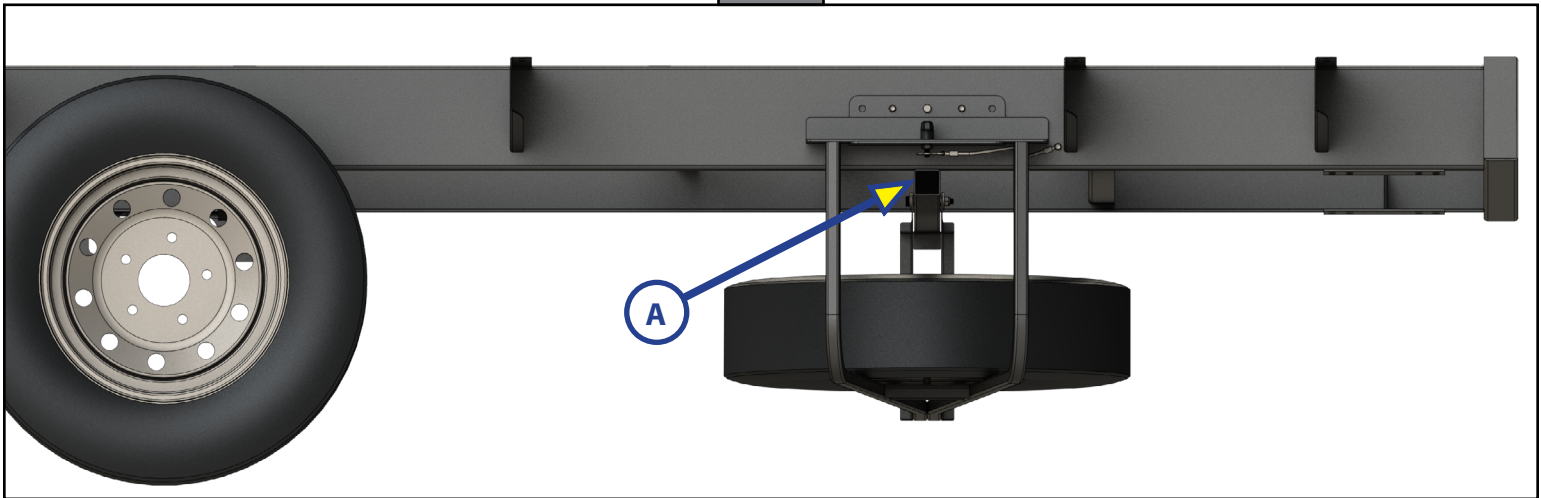
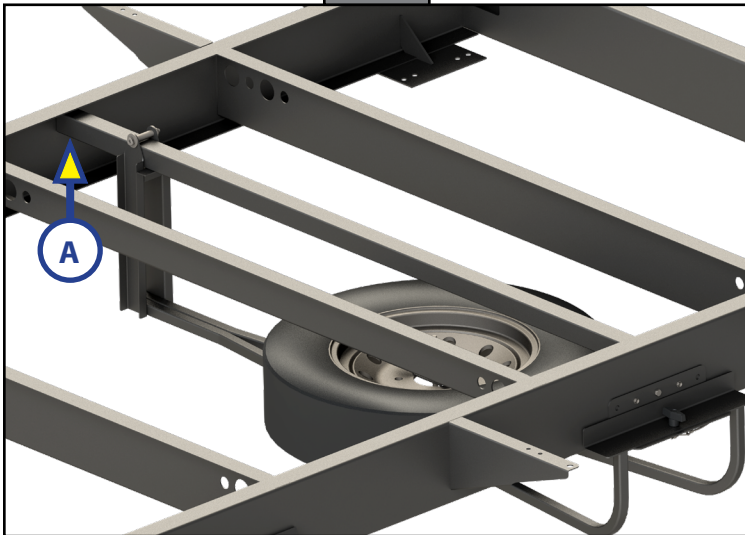
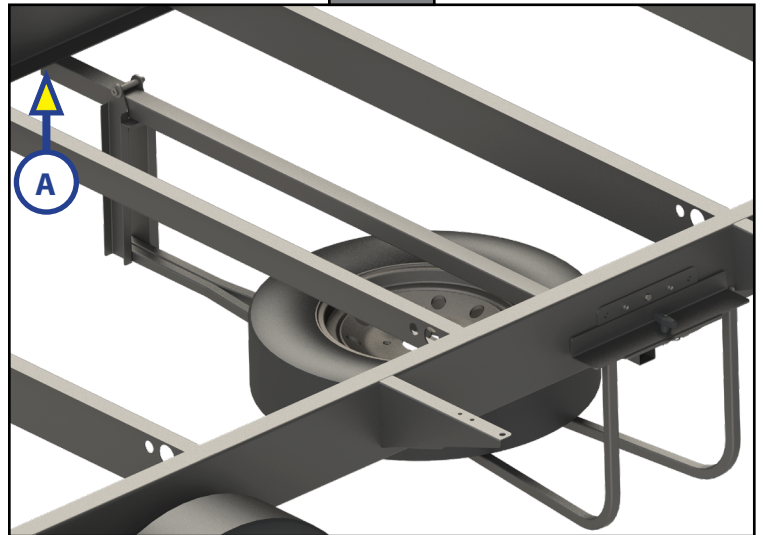


Fig. 2



No-Underbelly

Fig. 3



Underbelly

1. Properly support the frame according to manufacturer recommendations.
2. Disassemble and remove the roller tube hardware (Fig. 4A) from the vertical hanger of the tire carrier. Detach the nylon lock nut (Fig. 5D) from the shoulder bolt, remove the bolt (Fig. 5A) washers (Fig. 5B) and tube (Fig. 5C) from the tire carrier and set aside roller tube hardware for later Installation.

Fig. 4

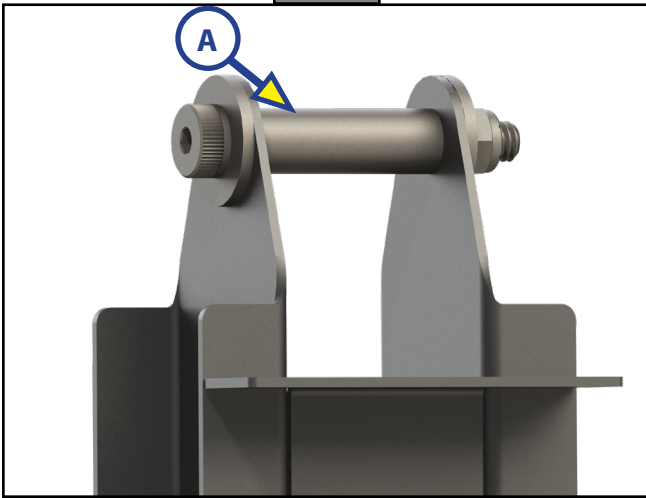
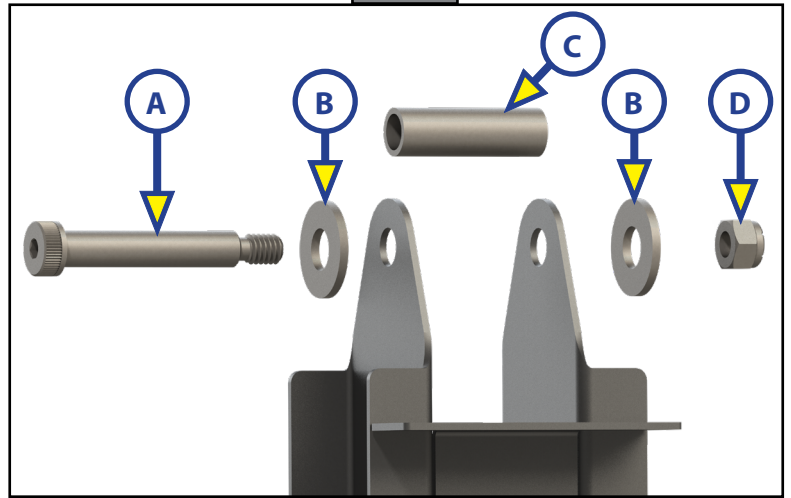


Fig. 5



Installation

NOTE: Either version, Underbelly or No-Underbelly, will install the same except for the angle bracket location. Make sure to check which version is being installed and see the Preparation section before installation.

1. On one end of the steel tube, place the vertical hanger (Fig. 6A) of the tire carrier up against the bottom of the steel tube (Fig. 6B).

NOTE: Have another person hold the vertical hanger in place while installing the hardware or use a method of support to position the vertical hanger up against the steel tube of the frame.

2. Insert the previously removed roller tube (Fig. 7C) in the middle of the vertical hanger. Make sure the roller tube and vertical hanger holes are aligned.
3. Insert a provided flat washer (Fig. 7B) onto the previously removed shoulder bolt (Fig. 7A) and insert assembled hardware into the vertical hanger, through the roller tube and out through the opposite side of the vertical hanger.
4. Insert a provided flat washer (Fig. 7D) and previously removed nylon lock nut (Fig. 7E) onto the end of the bolt and tighten.

NOTE: Figure 8 Underbelly and figure 9 No-Underbelly, show the steel tube (Fig. 8A, 9A) with the roller tube hardware (Fig. 8B, 9B) of the tire carrier completed.

Fig. 6

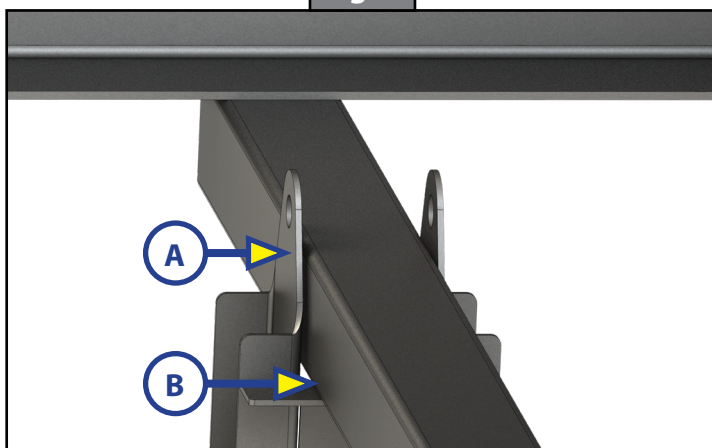
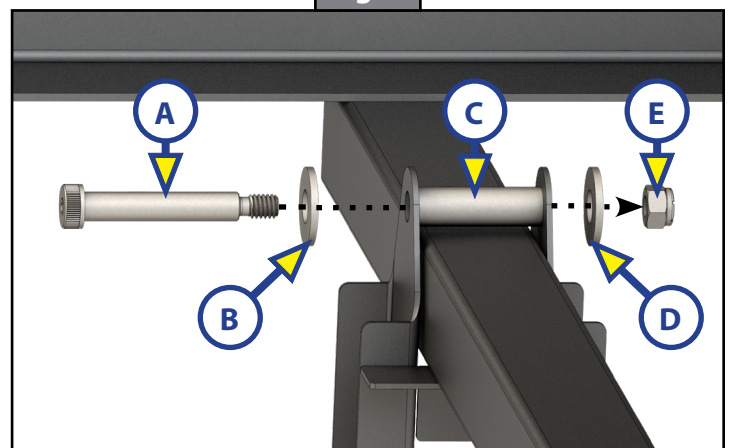


Fig. 7



Underbelly Angle Bracket

Fig. 8

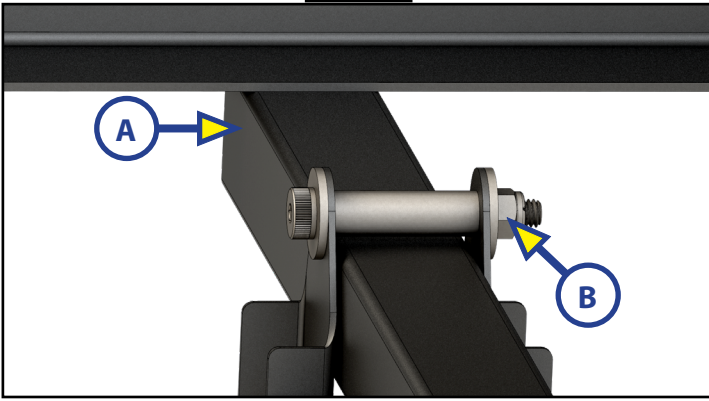
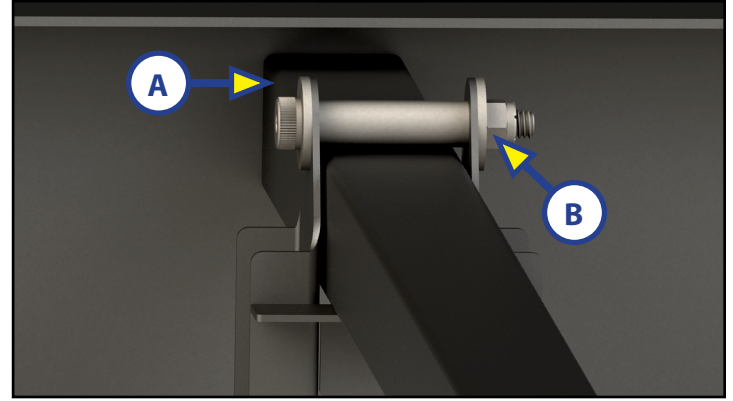


Fig. 9



NOTE: White dashed lines indicate where marking on an object with a non-permanent marking method is required.

1. On the trailer opposite the installed roller tube side, measure and mark the middle point of the top of the steel tube (Fig. 10A). Mark the middle location of the steel tube on the I-beam.
2. Measure and mark the middle point of the angle bracket (Fig. 10B).
3. On the left side and right side of the steel tube, measure and mark $1 \frac{3}{8}$ " up from the flange of the I-beam and draw a straight and level line between the measurements (Fig. 10C).
4. Align the angle bracket bottom with the previously marked line (Fig. 10C) while also aligning the angle bracket middle (Fig. 10B) and steel tube middle (Fig. 9A) marked lines.

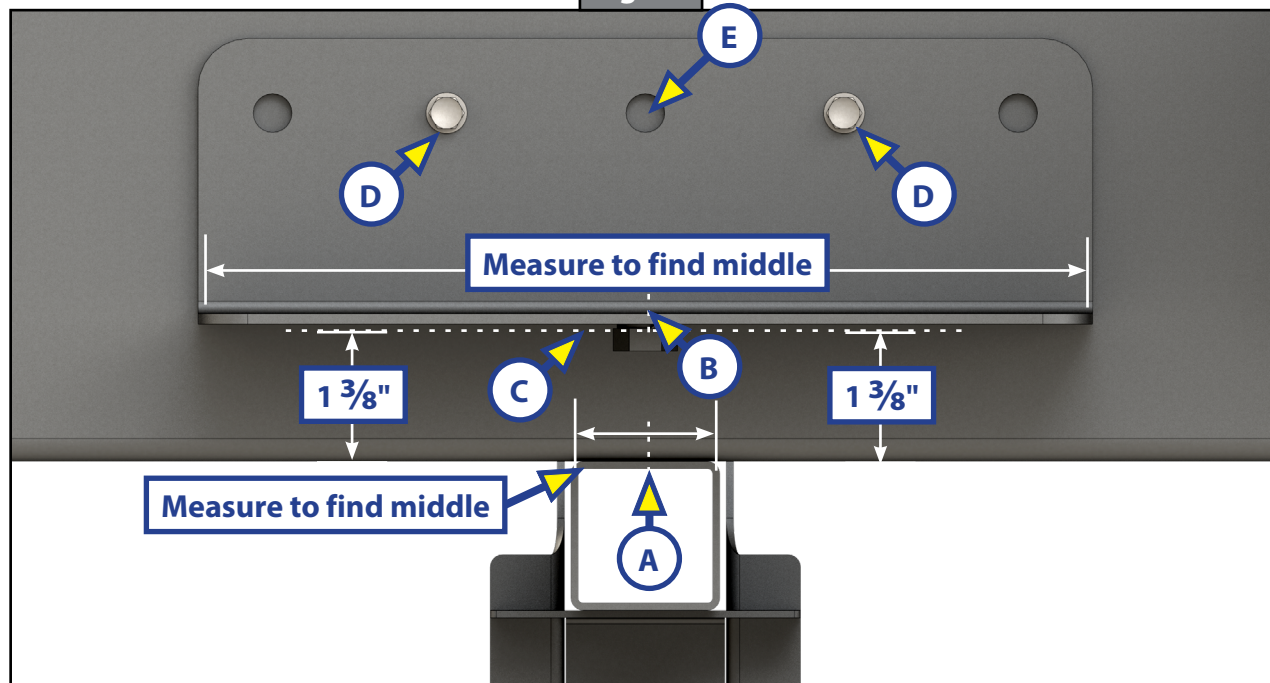
NOTE: The measurement may vary depending on the location of the steel tube.

5. Install two OEM supplied, #10 - 16 x $\frac{3}{4}$ " self-drilling hex washer head screws through the angle bracket holes and into the I-beam (Fig. 10D).

NOTE: Have another person hold the angle bracket in place while installing the screws or use a method of support to position the angle bracket in place against the I-beam.

6. Drill a $\frac{5}{16}$ " hole through the middle hole of the angle bracket (Fig. 10E) and completely through the web of the I-beam.

Fig. 10



7. Insert the provided 1/4" - 20 x 1" hex head cap screw through the provided 1/4" flat washer and into the middle hole of the angle bracket (Fig. 11A) and web of the I-beam.
8. On the backside of the I-beam, insert another 1/4" flat washer (Fig. 12A) onto the screw. Attach and tighten up to the web of the I-beam, the provided 1/4" - 20 nylon lock nut (Fig. 12B) onto the hex head cap screw.

Fig. 11

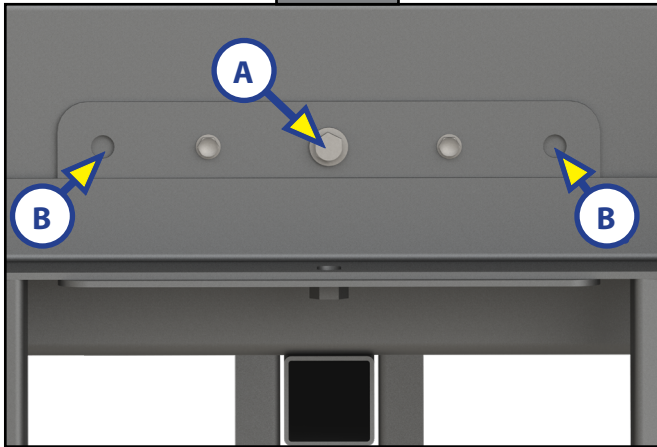
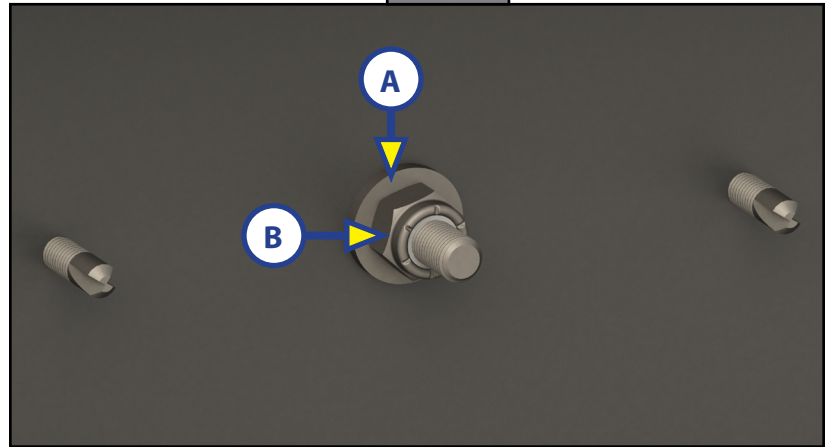


Fig. 12



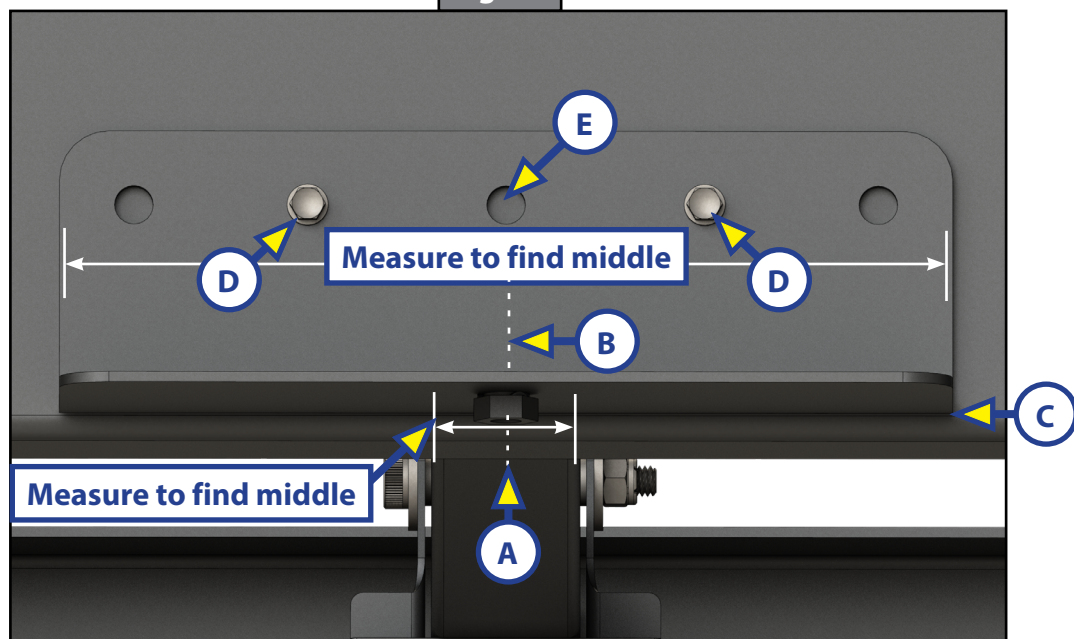
NOTE: It is **NOT** necessary to use the two end holes in the angle bracket (Fig. 11B).

No-Underbelly Angle Bracket

NOTE: White dashed lines indicate where marking on an object with a non-permanent marking method is required.

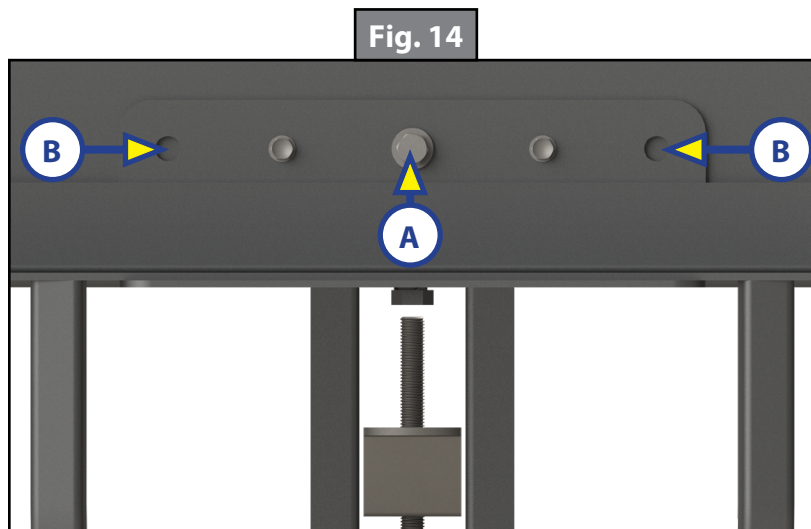
1. On the trailer opposite the installed roller tube side, measure and mark the middle point of the steel tube (Fig. 13A).
- Mark the location on the flange of the I-beam.
2. Measure and mark the middle point of the angle bracket (Fig. 13B).
3. Place the bottom of the angle bracket directly onto the lower flange of the I-beam (Fig. 13C) and flush against the web of the I-beam.
4. Align the angle bracket and frame tube marked middle points.
5. Install two OEM supplied, #10 - 16 x 3/4" self-drilling hex washer head screws through the angle bracket holes and into the I-beam (Fig. 13D).

Fig. 13



NOTE: Have another person hold the angle bracket in place while installing the screws or use a method of support to position the angle bracket in place against the I-beam.

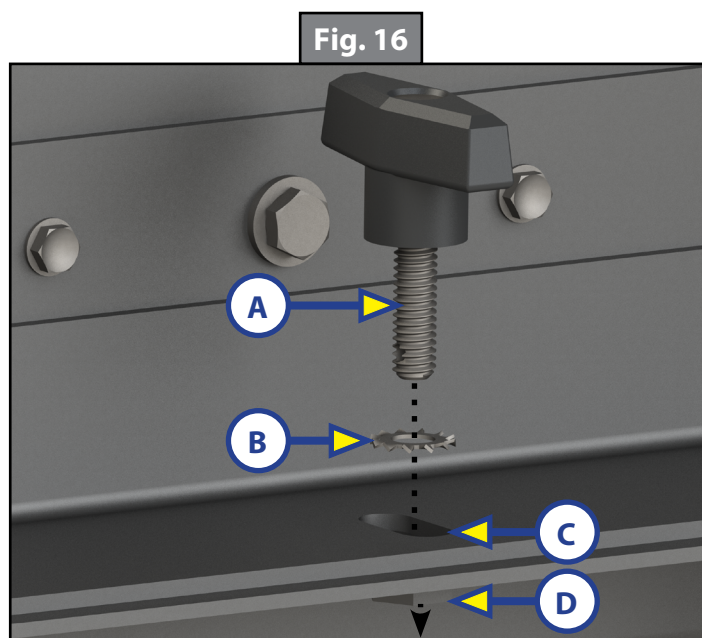
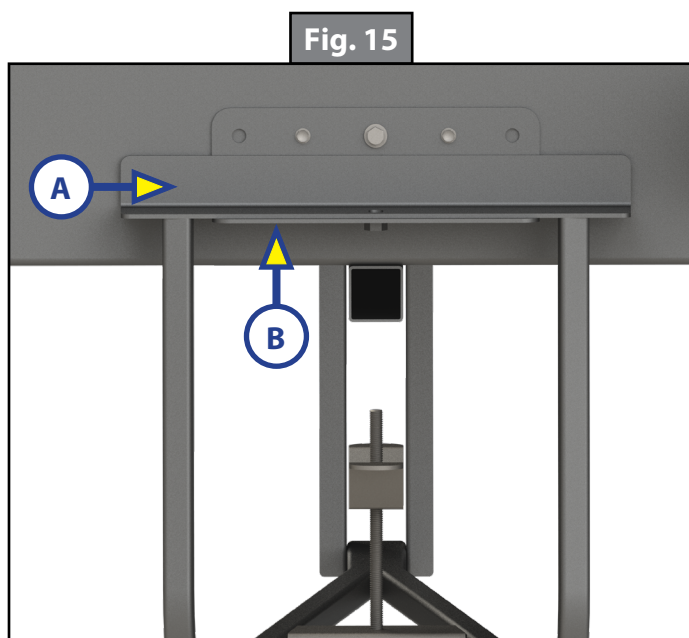
6. Drill a $\frac{5}{16}$ " hole through the middle hole of the angle bracket (Fig. 13E) and completely through the web of the I-beam.
7. Insert the provided $\frac{1}{4}$ " - 20 x 1" hex head cap screw through the provided $\frac{1}{4}$ " flat washer and into the middle hole of the angle bracket (Fig. 14A) and web of the I-beam.
8. On the backside of the I-beam, insert another $\frac{1}{4}$ " flat washer onto the screw. Attach and tighten up to the web of the I-beam, the provided $\frac{1}{4}$ " - 20 nylon lock nut onto the hex head cap screw.



NOTE: It is **NOT** necessary to use the two end holes in the angle bracket (Fig. 14B).

Tie-Down with Lanyard

1. Lift the tire carrier bracket (Fig. 15A) and place on top of the angle bracket (Fig. 15B).
2. Locate the handle screw (Fig. 16A) and insert through the provided star washer (Fig. 16B). With the star washer attached, insert the handle screw through the hole in the tire carrier bracket (Fig. 16C), through the hole in the angle bracket and into the welded nut (Fig. 16D) below the angle bracket. Screw the handle screw down until the screw no longer turns.



3. Locate the cotter pin with the attached lanyard (Fig. 17A) and insert the cotter pin through the hole at the end of the handle screw (Fig. 17B).
4. Stretch the opposite end of the lanyard over to the side of the tire carrier bracket and out of the way of the tire carrier operation. Using the provided #10 - 16 x $\frac{3}{4}$ " self drilling hex washer head screw, install the screw through the lanyard end and into the web of the I-beam (Fig. 18A).

Fig. 17

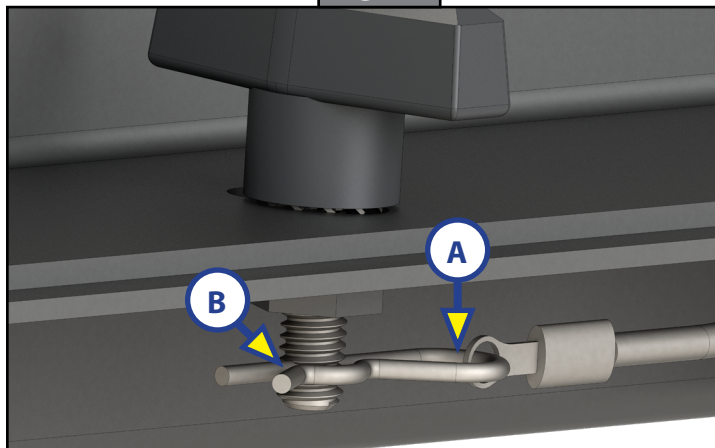
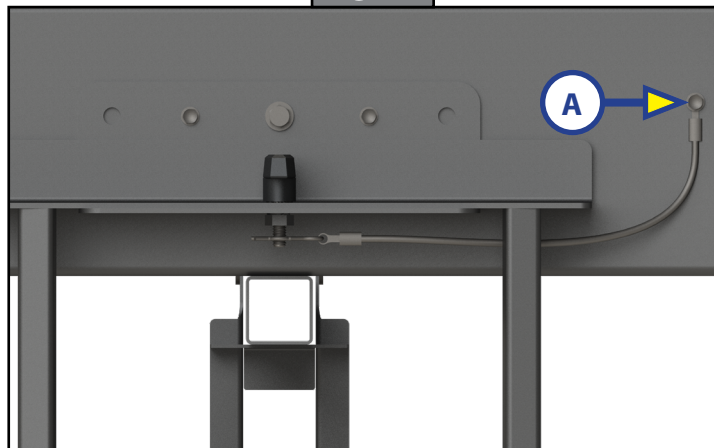


Fig. 18



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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