

CAPACITY TECHNICAL SERVICE BULLETIN



CAPACITY

CAP-TSB-15-019-A

5th Wheel Block & Tail Section Installation

Capacity has identified select Sabre units that have are need of the 5th wheel guide installation located at the rear tail section.

Units affected:

VIN# 30448- 30588

30109-30113

NOV. 20, 2015

Required Parts:

- 2 ea. Boom tail guide 100003597
- 2 ea. 5th Wheel blocks 100003592
- 4 ea. Hex Bolt 3/8-16 x 1.25, PN 109459
- 8 ea. Washer, 3/8, PN 109052
- 4 ea. Hex Nut, Metal Lock 3/8-16, PN 109132

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Required Tools:

- 9/16" wrench
- 9/16" socket w/ ratchet
- Grinder
- Welder
- 1 16oz. Can of Black Gloss Paint

Approved SRT

The approved standard repair time for this repair is 1.5 hour per unit. Please contact Capacity Trucks for pre-approval and to be issued a CRN for the claim submission. At that time Capacity will supply the required parts.

Instructions

Remove existing rear tail section guides and discard. Install new tail section guides with provided hardware.



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5th Wheel stop installation

Remove 5th Wheel top plate per instructions below and clean pivot bosses of all grease and dirt.

4. Top Plate Removal

1. Remove bracket pin roll pins from both sides of fifth wheel top plate (**Figure 5**).
2. Using a pry bar, pull bracket retention pins out of fifth wheel top plate (**Figure 5**).
3. Using a lifting device capable of lifting 500 lbs. (227 kg), remove top plate from mounting base. Place fifth wheel upside down on a flat, clean working area.

NOTE: Follow instructions published by lifting device manufacturer for proper operation of lifting device.

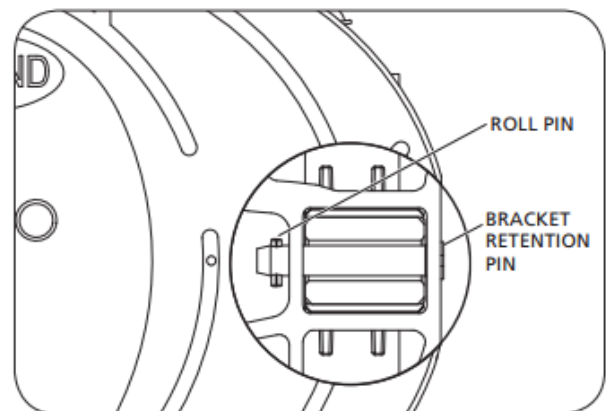
4. Completely remove all components from the fifth wheel and discard.

IMPORTANT: This procedure will result in several parts of your fifth wheel being replaced. "NEW" parts are included in the kit that came with this procedure. DO NOT reuse "OLD" parts that were removed during disassembly.

NOTE: Lock pins may be difficult to dislodge and may require force to remove.

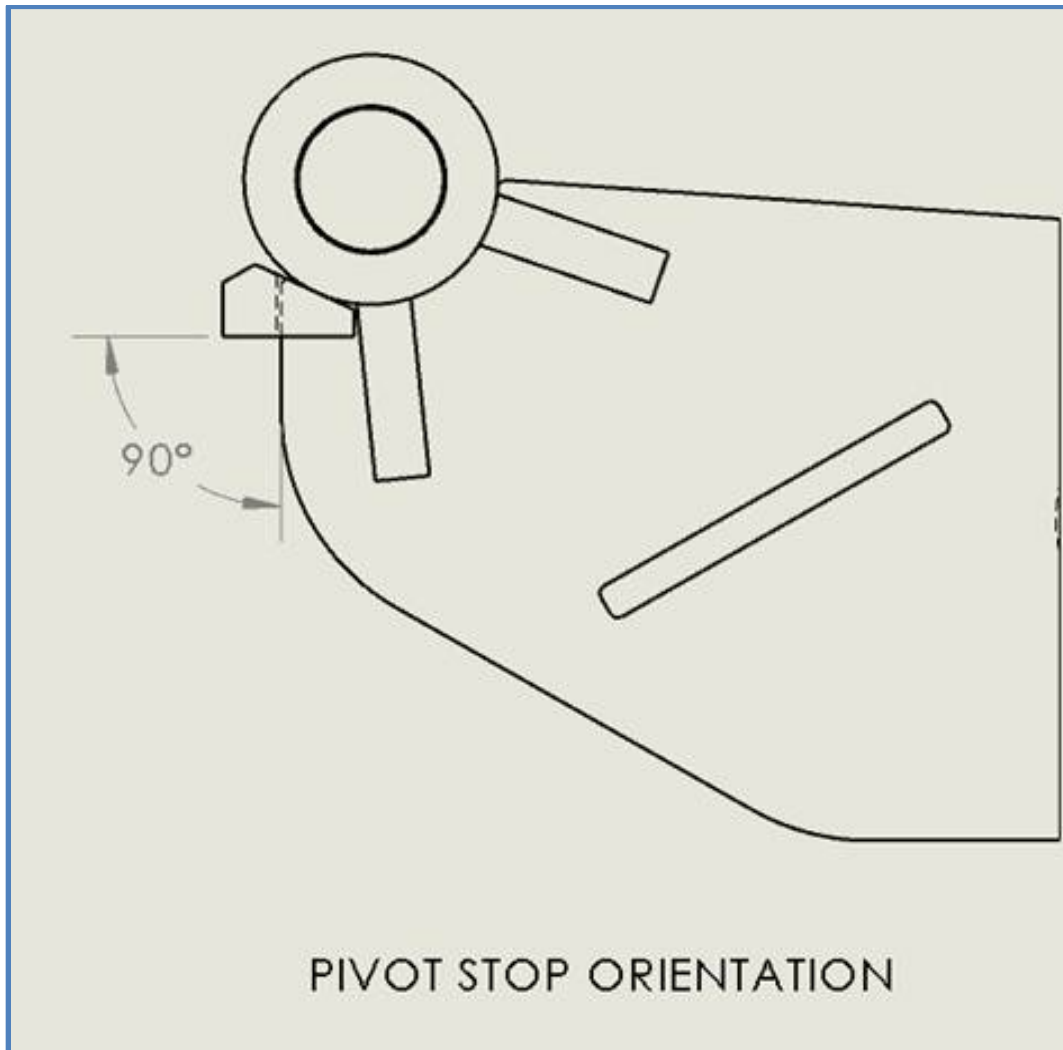
⚠ CAUTION Do not hit steel parts with a steel hammer as parts could break, sending flying steel fragments in any direction creating a hazard which, if not avoided, may result in minor to moderate injury.

Figure 5

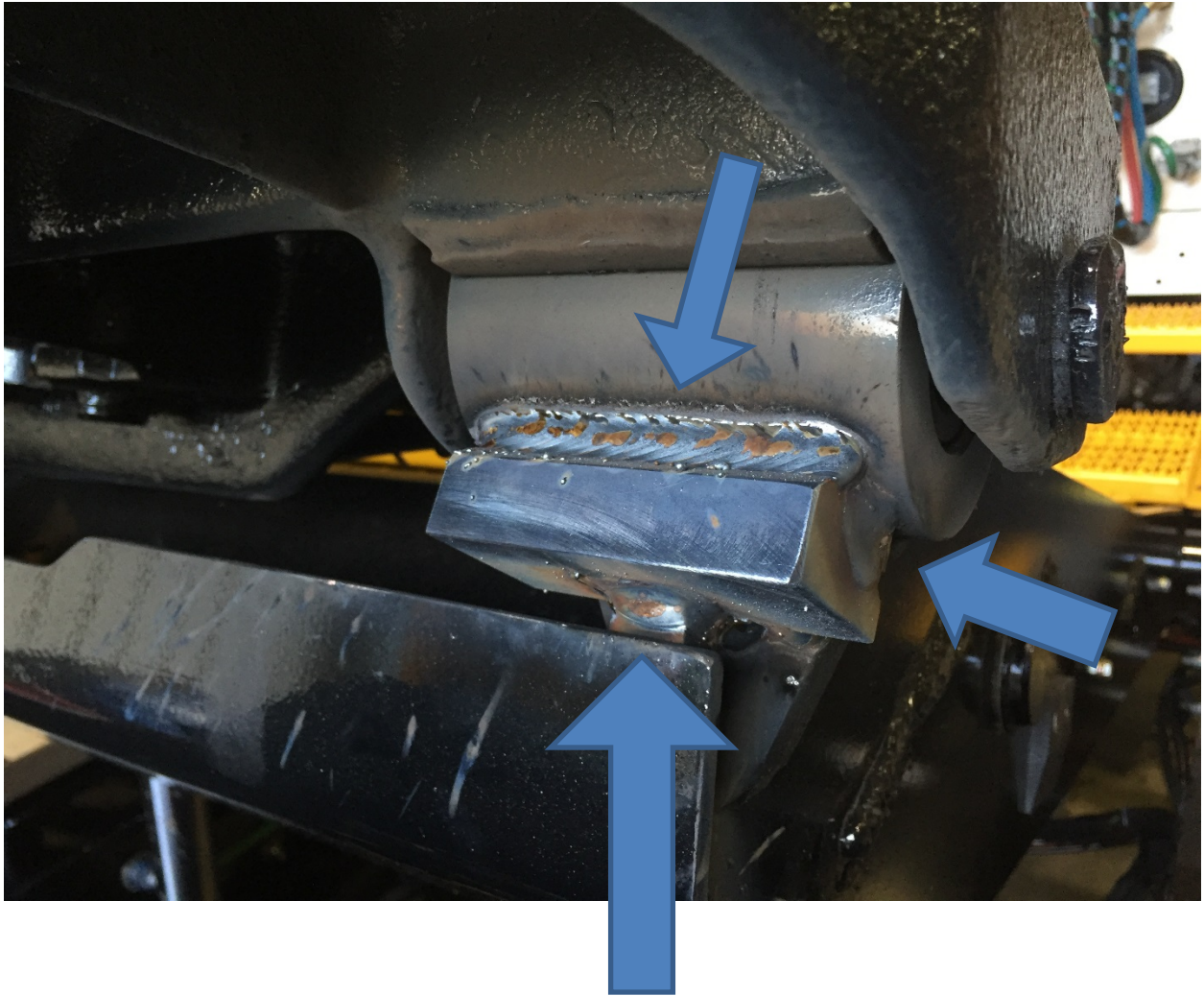


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Grind existing welds as needed around pivot boss in order to orient 5th wheel stop blocks approximately as shown below.

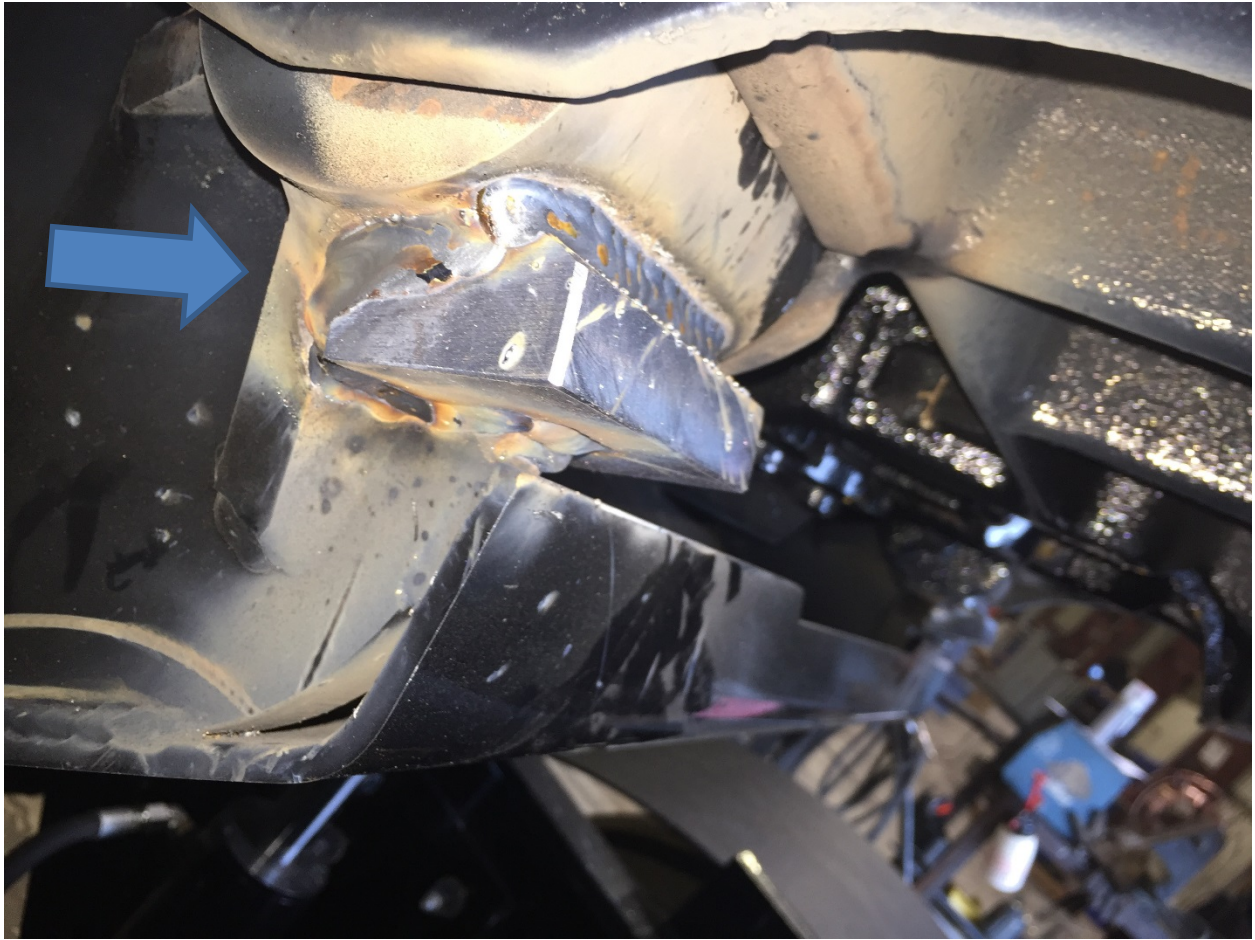


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Weld in 5th Wheel pivot blocks as shown

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Weld in 5th blocks as shown

Grind off rough edges and paint

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Install 5th Wheel Top Plate

Top Plate Installation



12. Top Plate Installation

Before you use your fifth wheel, you must verify that it, and the control system, are operating properly.

1. Check the air lines for signs of chafing or other damage, check the control valve for proper operation, and make certain the air breather hole on the air cylinder end cap is open. Repair as needed (**Figure 29**).
2. Using a lifting device capable of lifting 500 lbs., (227 kg), install fifth wheel top plate onto its mounting base.

NOTE: Follow instructions published by lifting device manufacturer for proper operation of lifting device.

3. Install bracket pins through fifth wheel casting and mounting base and secure by installing the bracket pin's roll pins (**Figure 30**).
4. Reattach air line.

13. Operation Check

1. Using a Holland lock tester (TF-TLN-5001), close the fifth wheel locks. Verify that the locks are properly closed around the lock tester. Activate the fifth wheel release switch and remove the lock tester. Repeat this step three times to verify proper operation (**Figure 31**).

After three (3) successful operational checks, your fifth wheel is ready for operation.

IMPORTANT: Before using your fifth wheel, visually inspect all components of fifth wheel for proper operation while coupling and uncoupling fifth wheel with lock tester.

⚠ WARNING Failure to repair an improperly operating fifth wheel may result in tractor-trailer separation which, if not avoided, could result in serious injury or death.

IMPORTANT: Be sure to read and understand Fifth Wheel Operation Instructions published in the Fifth Wheel Owner's Manual available on the internet at (www.safholland.us) prior to use.

⚠ WARNING Failure to read and understand Fifth Wheel Operation Instructions prior to use can result in improper operation of fifth wheel which, if not avoided, could result in death or serious injury.

Figure 29

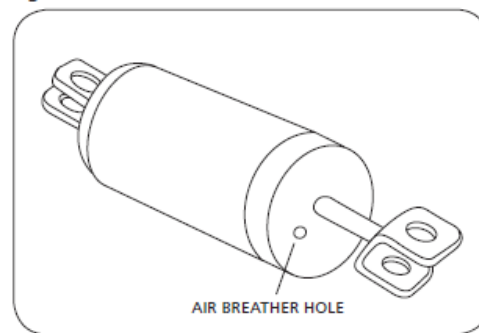


Figure 30

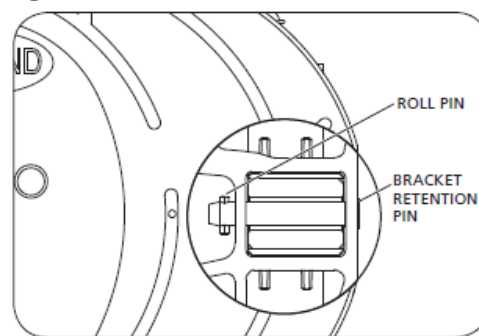
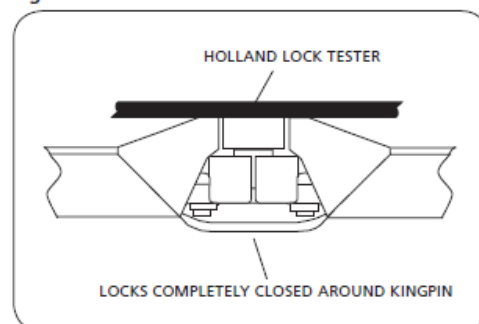


Figure 31



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REVISION HISTORY

REV ISION	DATE	DESCRIPTION OF CHANGE
0	11-20-2015	NEW PROCEDURE

APPROVALS	:	DATE:
AUTHOR	Andy Speer	11-23-2015
Engineer	Andy Cooper	11-23-2015
Director of Quality	Barbara McCullough	11-23-2015