



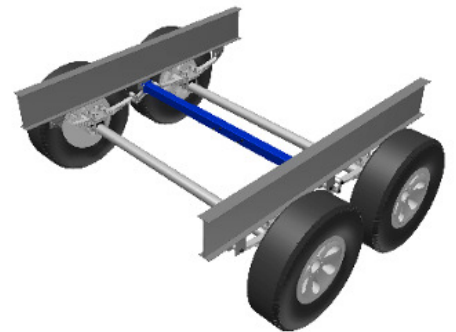
NHSTA #14V-140
CMVSA #2014-091

RECALL INSTRUCTIONS

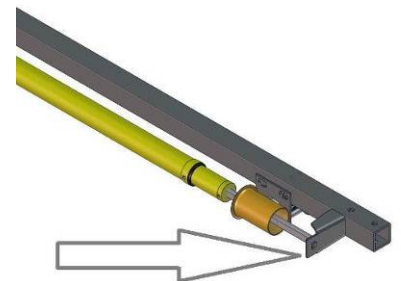
SECTION 1: Axle Spacer Block Installation



SECTION 2: X-Factor Installation



SECTION 3: Cut corner of Slide Bracket



SECTION 4: Replace Slide Adjustment Bolt



SECTION 1 of 4: Axle Spacer Block Installation

Tools required:

Torque wrench
3/4" socket 1/2" drive
1/2" drive ratchet/impact
3/4" wrench
Floor jacks
Safety stands

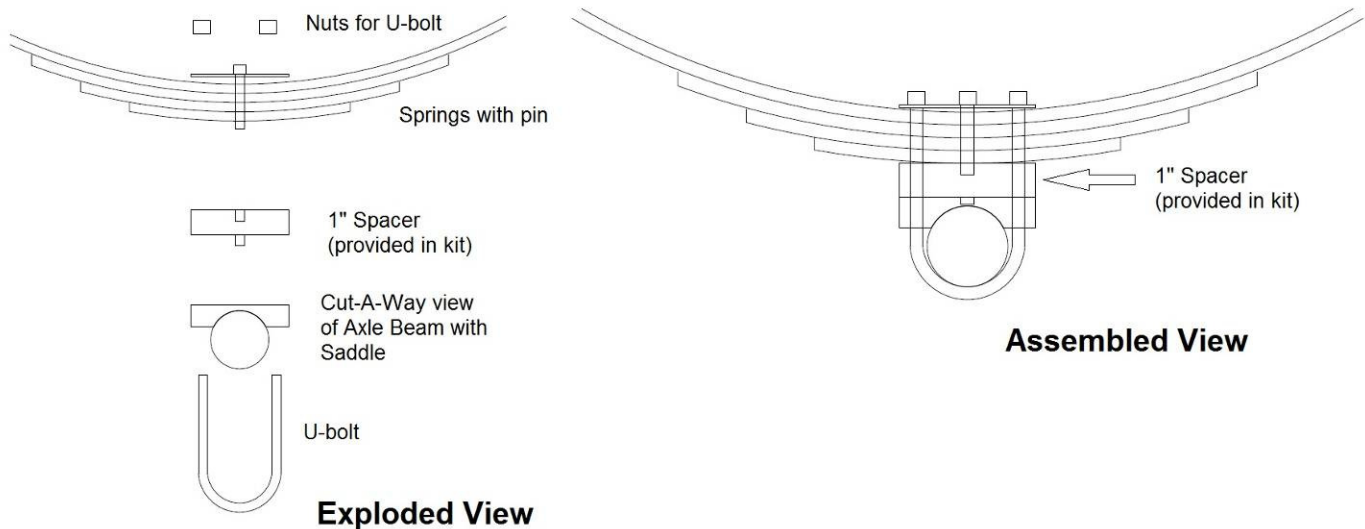
Parts List:

(8) U bolts
(16) nuts for U bolts
(4) 1" spacer block with locator pin

Steps 1.2 - 1.7 will be repeated (4) times. Perform these steps at each location, in the following order:

- Doorside Front
- Doorside Rear
- Off Doorside Front
- Off Doorside Rear

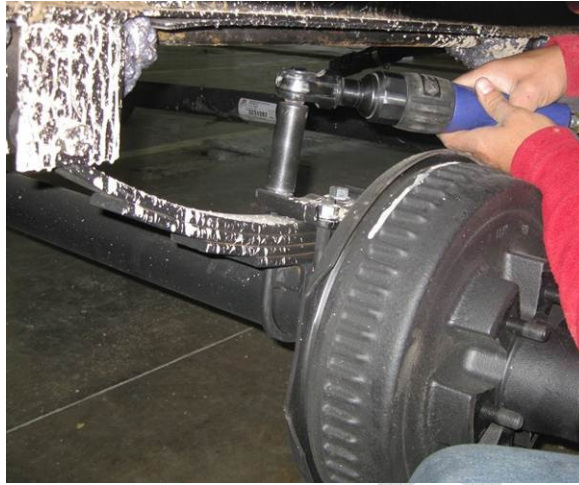
OVERVIEW FOR REFERENCE



STEP 1.1 Using appropriately rated jacks to support the trailer, jack unit up and support frame with safety stands. Remove tires and support axles with floor jacks.



STEP 1.2 With the axles supported, remove the (4) nuts that hold the (2) U-bolts in place. Remove the U-bolts.



STEP 1.3 Once the U-bolts are removed; lower the axle enough to insert the 1" spacer block between the leaf spring and axle.

STEP 1.4 Line up the locating pin on the spacer block with the hole in the axle spring pad. (Locating pin should go down into the pad on the axle)



STEP 1.5 Raise the axle up until the locating pin on the leaf spring aligns with the hole in the top of the 1" spacer. The pin on the 1" spacer block should seat firmly into the hole.

STEP 1.6 Install (2) new U-bolts (longer U-bolts, provided in the kit) to re-attach the leaf spring to the axle.

STEP 1.7 Install (4) of the new nuts as provided in the kit. Torque to 55 ft-lbs.



Repeat Steps 1.2 – 1.7 at each of the (4) locations:

- Doorside Front
- Doorside Rear
- Off Doorside Front
- Off Doorside Rear

When all (4) locations are complete:

CONTINUE TO SECTION 2 WITH JACKS AND STANDS STILL IN PLACE.

SECTION 2 of 4:

X-Factor Installation

The MOR/ryde X Factor crossmember kit is designed to provide added strength and reinforcement to trailer frame. The installation instructions for the kit are detailed below.

Tools required:

Torque wrench
 slots
 11/16" socket & 13/16" wrench
 9/16" socket & wrench
 1/2" socket & wrench
 Floor jacks
 Safety stands
 (2) 7/16-20 Flange locknut
 Sledge Hammer or Driver Hammer

Parts List:

Crossmember half w/ holes, 2nd half w/
 (2) Clamp Strap
 (8) 3/8-16 x 1 Flange bolt
 (8) 3/8-16 Flange locknut
 (4) 5/16-18 x 1 1/2 HHCS
 (4) 5/16-18 Locknut

STEP 2.1 Using appropriately rated jacks to support the trailer, jack unit up and support frame with safety stands and support axles with floor jacks. Remove tires.

STEP 2.2 Remove shoulder bolt from frame hanger.

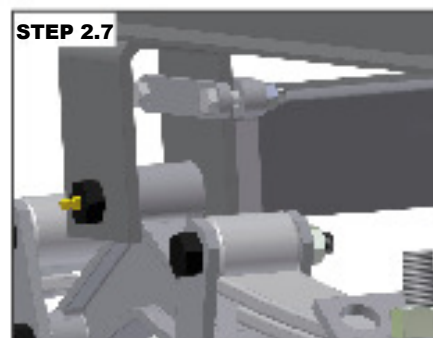
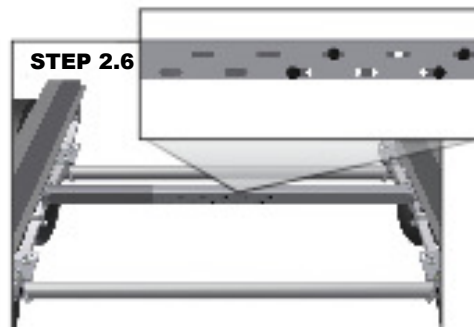
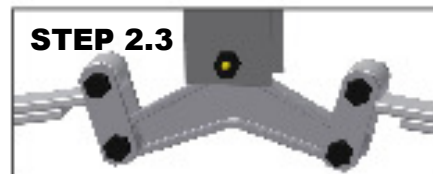
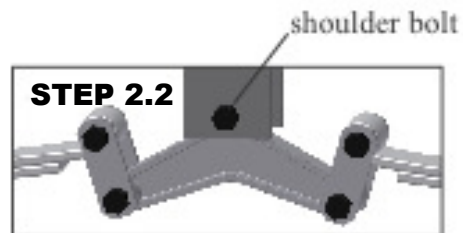
STEP 2.3 Ensure the shackles are in proper position ("W" position as shown). Replace with wet bolt (shoulder bolt w/ grease zerk) included in installation kit. The bolt should point toward the inside of the trailer. Do not install nut until next step. **Suggestion:** Place the drive-end of the socket over the zerk fitting and seat the bolt by tapping against the socket.

STEP 2.4 Slide cross member half with slots over the end of the wet bolt and thread the nut on without tightening. The open end of the channel should point down.

STEP 2.5 Repeat STEPs 2.2 - 2.4 on opposite side of frame for the cross member half with holes.

STEP 2.6 Make sure the cross member ends are pressed against the frame hanger. Line up holes on both cross members and insert flange bolts (4 on each side) into holes that are furthest from the center in both the top and bottom rows (do not tighten flange bolts at this time).

STEP 2.7 Tighten wet bolt nuts from step 2.4 on both sides to 40 ft-lbs. Insert clamp strap inside frame hanger and bolt to cross member. Tighten to 15 ft-lbs. Then tighten flange bolts from step 2.6 to 40 ft-lbs.



CONTINUE TO SECTION 3 WITH JACKS AND STANDS STILL IN PLACE.

SECTION 3 of 4: Cut corner of Slide Bracket

Tools required:

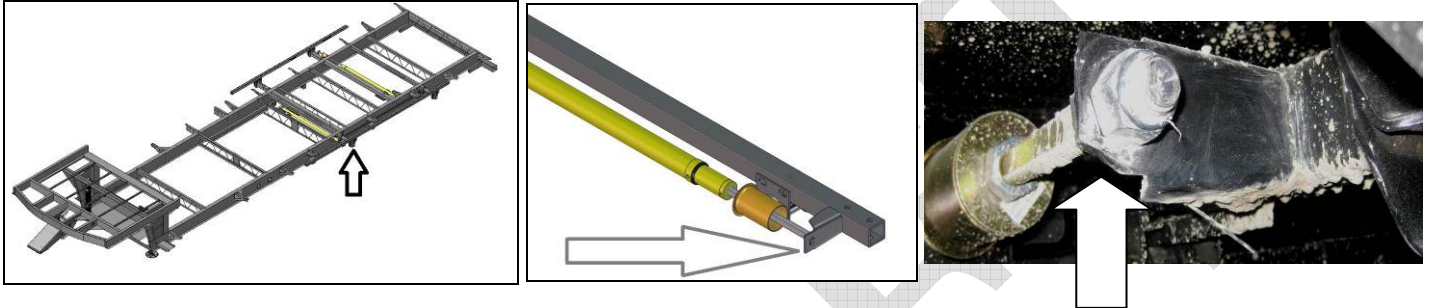
Parts List:

Die grinder with cutoff wheel

White marker or paint

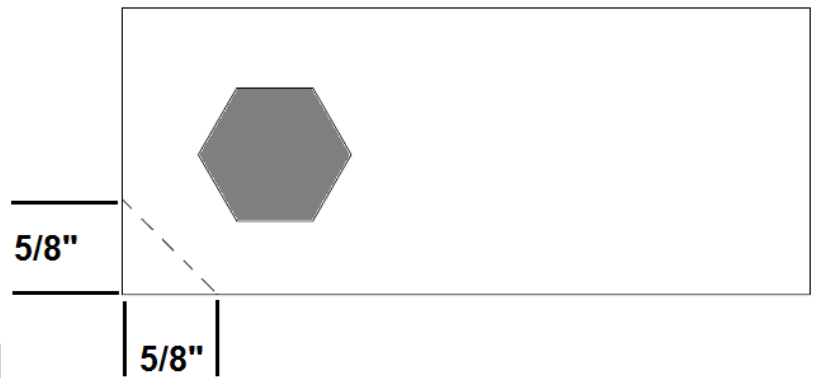
Black paint for cut edge

STEP 3.1 Locate and identify the slide bracket plate as shown below. For reference, this bracket is between the off-doorside (driver's side) tires.



STEP 3.2 Mark the cut-line on the corner of the bracket as shown.

Measurements as provided are $5/8''$ x $5/8''$



STEP 3.3 Paint or mark a (white or light-colored) line to cut as shown.

STEP 3.4 Cut the corner of the plate on the slide bracket with a die grinder or cut-off wheel.



BEFORE

MARKED

CUT

STEP 3.5 Paint the newly-cut edge with black exterior paint.

CONTINUE TO SECTION 4 WITH JACKS AND STANDS STILL IN PLACE.

SECTION 4 of 4: Replace Slide Adjustment Bolt

Tools required:

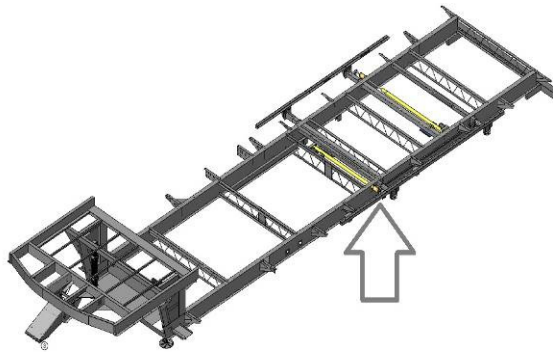
3/4" Wrench or socket

Parts List:

3" Adjustment Bolt (20X48421A)



STEP 4.1 Replace the slide adjustment bolt that is located near the off-doorside (driver's side) front tire. Remove the 4" bolt and replace it with the provided 3" bolt (20X48421A) as provided in the kit.



STEP 4.2 Reinstall the tires, tightening the lug nuts in a standard star-pattern.

STEP 4.3 Remove jacks and stands. Tighten the lug nuts to 100 ft-lbs.

STEP 4.4 PLEASE NOTE: Take picture as required in the claim request. Please take this picture when repairs are complete and the unit is no longer held up by the jacks. The unit should be level. The picture needs to show the tire and the bracket, with the provided painted piece of wood between them.

