

Installation Instructions for Steerable Lift Axle Fender Bracket Kit 10001459

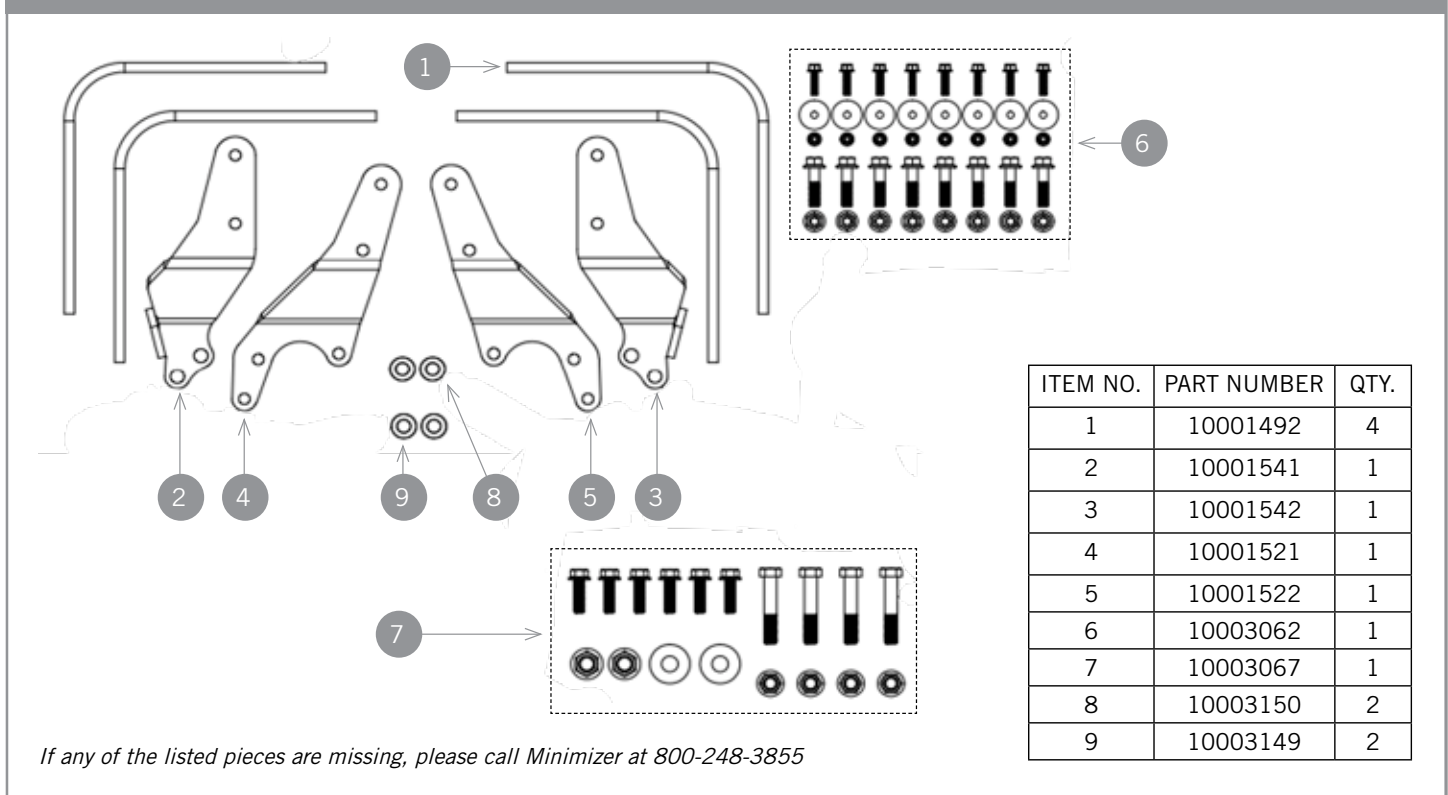


Document #10003188, Revision A
Brackets are Compatible with Models:
Hendrickson Series UHT13 Axle
(Designed for use with MIN161200 Fenders.)

STEP 1 - IDENTIFY PARTS

- Lay out parts and hardware packs.
- Compare the parts and hardware with bracket kit 10001459 as shown in **Figure 1**.

FIGURE 1



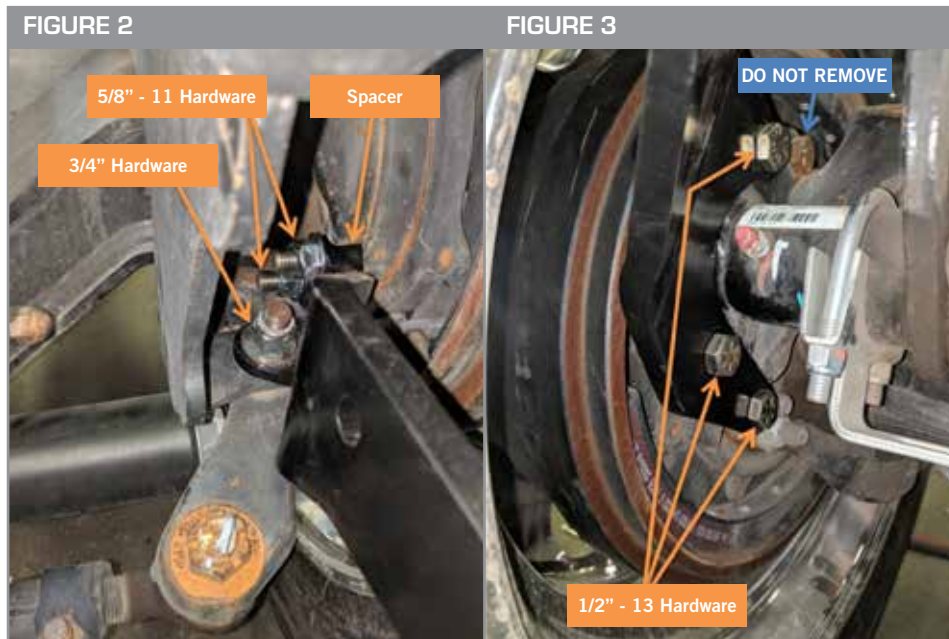
STEP 2 - ATTACH BRACKETS TO TRUCK

- Remove the wheel assembly from the hub on the left side of the vehicle.
- Remove the brake drum from the hub.
- Remove the metal dust shield (if equipped) that is attached to the inside of the spindle.
- Remove the two 5/8" locknuts and bolts on the rear side of the spindle and discard.
- Remove and discard the 3/4" nut on the steering arm that attaches the stabilizer to the bump stop bracket.
 - Support the stabilizer so it stays engaged when removing the nut.**

- F. Install the (10001541) rear bracket using a (10003150) spacer on the upper bolt and a (10003149) spacer on the lower bolt. **(See Figure 2)**
 - a. Spacers should be placed between the spindle and bracket.
 - b. The weld-on tab of the rear bracket must sit directly on top of the bump stop.
 - c. The (10001541) fender bracket should be mounted inward, towards the frame.
 - d. Use the 5/8"-11 x 3-1/2" bolts and locknuts provided in the kit and tighten to the axle manufacturer's specification.
- G. Install a new 3/4" flat washer and flange locknut to secure the stabilizer back in place. (Provided in the kit.)
 - a. Tighten to the axle manufacturer's specification.
- H. Remove the three 1/2" bolts, shown in Figure 3, from the cam tube flange.
- I. Install the (10001521) front bracket to the cam flange. **(See Figure 3)**
 - a. The (10001521) fender bracket should be mounted inward, towards the frame.
 - b. Use the 1/2"-13 x 1-3/4" flange bolts provided in the kit and tighten to the axle manufacturer's specification.
- J. Re-install the brake drum and wheel assembly.

NOTE:

- Repeat step 2 on the right-side using fender brackets (10001542) and (10001522).

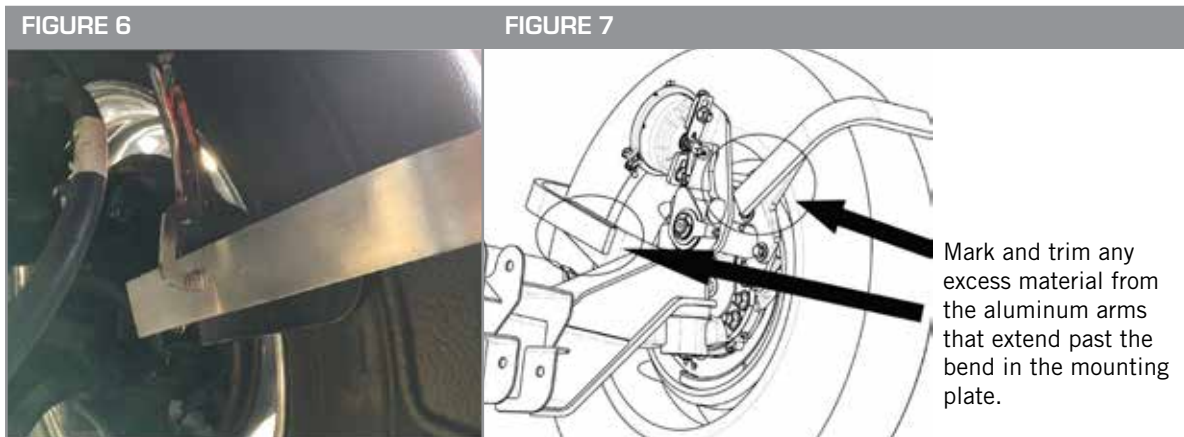


STEP 3 - POSITION BRACKETS AND FENDERS

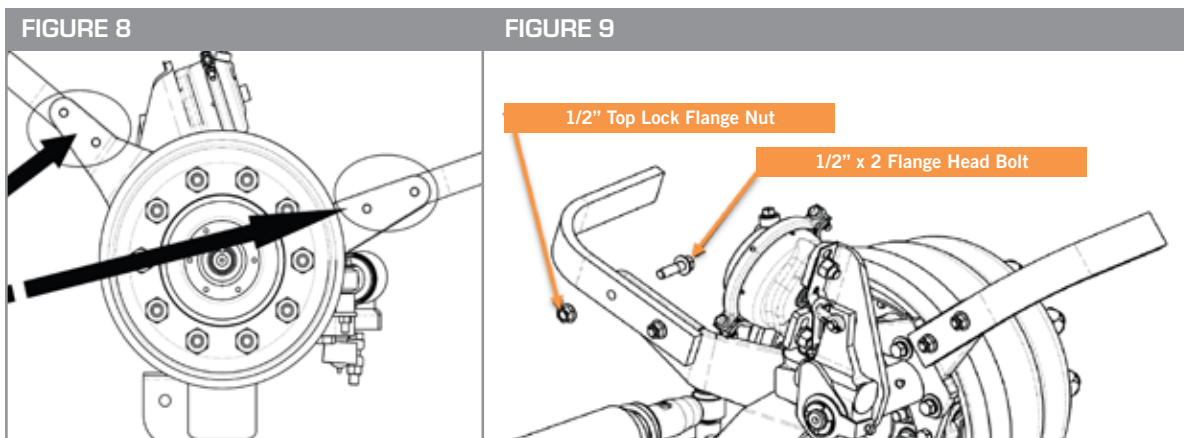
- A. Place the Minimizer fender over the tire using shims for clearance. **(See Figure 10)**
 - a. Place a 1-1/2" block on top of the tire to establish a clearance between the tire and fender. **(See Figure 11)**



- B. Measure the distance from the floor to the bottom edge of the fender on both ends and adjust the position of the fender until both distances are equal.
 - a. The aluminum arms may need to be adjusted inward or outward, so they make even contact with the fender.
- C. Clamp the (10001492) aluminum arms to the fender bracket per the steps listed below:
 - a. Align the (10001492) aluminum arms to the outside face of the fender and to the inside face of the fender brackets. **(See Figure 6)**
 - b. Clamp the aluminum arm to the surface of the steel fender bracket with a vice grip clamp.
 - c. The aluminum arms may be longer than needed.
 - i. If necessary, trim any excess material from the aluminum arms that extends past the bend in the mounting plate. **(See Figure 7)**



- D. Use the holes in the steel bracket attached to the axle as a template to locate and mark the mounting holes in the aluminum arms. **(See Figure 8)**
- E. Drill two 9/16" holes in each aluminum arm in the locations that were marked in the previous step.
- F. Bolt the aluminum arms to the steel fender brackets using the 1/2" x 2" flange head bolts and the 1/2" top lock flange nuts. **(See Figure 9)**
 - a. Recommended torque is 75-83 ft.-lbs.



STEP 4 - ATTACH FENDER TO BRACKETS

- A. Attach the (10001492) aluminum arm to the fender. **(See Figure 10)**
- B. Confirm that the fender is parallel to the tire.
- C. Drill two clearance holes or tap threads in the aluminum arms.
 - a. Option 1 is to drill two 11/32" diameter holes thru the fender and aluminum arm using the steel backing plate as a template.
 - i. Use two 5/16"-18 bolts with self-locking nuts provided in the kit.
 - b. Option 2 is to drill and tap 5/16"-18 threads into the aluminum arm using the steel backing plate as a template.
 - i. This option provides increased tire clearance.
 - ii. Shorter 5/16" bolts are required for option 2 and are not included in the kit.
- D. Install fender bolts. **Recommended torque is 5-7 ft.-lbs.**
 - a. **DO NOT EXCEED THE RECOMMENDED TORQUE.**

FIGURE 10



STEP 5 - INSPECT AND REPEAT FOR ALL FENDERS

- A. Repeat steps 2 thru 4 to install the bracket and fender on the opposite side of the vehicle.

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