

LEVELING AND STABILIZATION

Purpose

This document outlines the procedure to replace the drop leg and catch pawl of the Quick Drop Stabilizer.

Safety

⚠ WARNING

The “WARNING” symbol above is a sign that an installation procedure has a safety risk involved and may cause death or serious injury if not performed safely and within the parameters set forth in this manual. Always wear eye protection when performing this installation procedure. Other safety equipment to consider would be hearing protection, gloves, and possibly a full face shield, depending on the nature of the installation procedure.

⚠ WARNING

The trailer **MUST** be supported per manufacturer's recommendations before working underneath. Failure to do so may result in death or serious injury.

⚠ CAUTION

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

The use of the Lippert Components, Inc. Quick Drop Stabilizer(s) to support the trailer for any reason other than which it is intended is prohibited by the Lippert Limited Warranty. The Quick Drop Stabilizer is designed as a stabilizer only and should not be used for any reason to provide service under the trailer, e.g. changing tires, or as a leveling system.

Resources Required

- Ratchet or cordless drill
- 3/4" Socket
- 9/16" Socket
- 7/16" Socket
- Needle nose pliers
- An additional person, depending on task

Catch Pawl and Inner Leg Replacement Kit

Callout	Part #	Description	Product Image (Not to Scale)
Kit - A	2023042666	Catch Pawl and Drop Leg Replacement Kit	
B	118042	Locking Nut	
C	242520	Zinc Screw	
D	2021102153	Spring	
E	2022068824	Drop Leg	
F	2023042665	Catch Pawl Assembly	

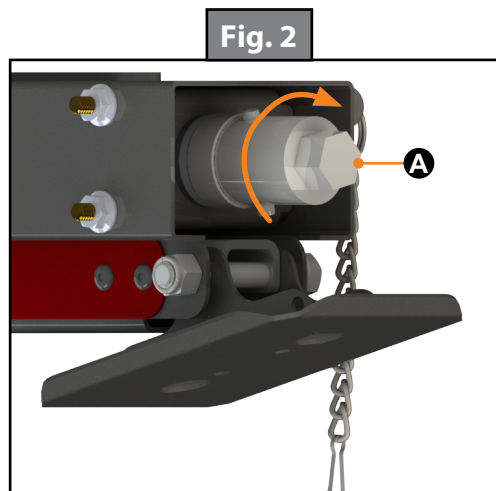
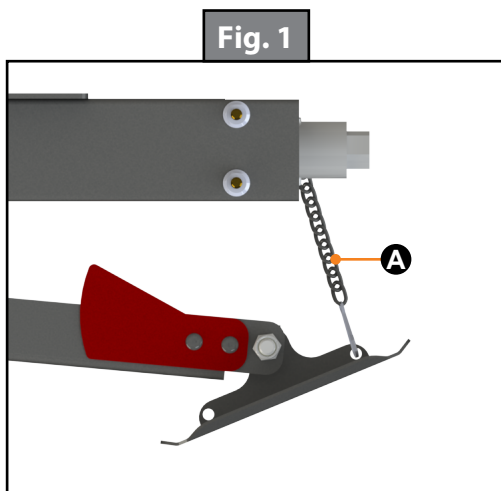
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Procedure

Removing the Existing Drop Leg and Catch Pawl

1. Make sure trailer is supported according to the manufacturer's recommendations.
2. Chock all wheels while working underneath the trailer.
3. Disengage the safety mechanism (Fig. 1A).
4. Using a 3/4" socket on a ratchet or cordless drill, turn the hex coupler (Fig. 2A) clockwise to begin lowering the footpad towards the ground.

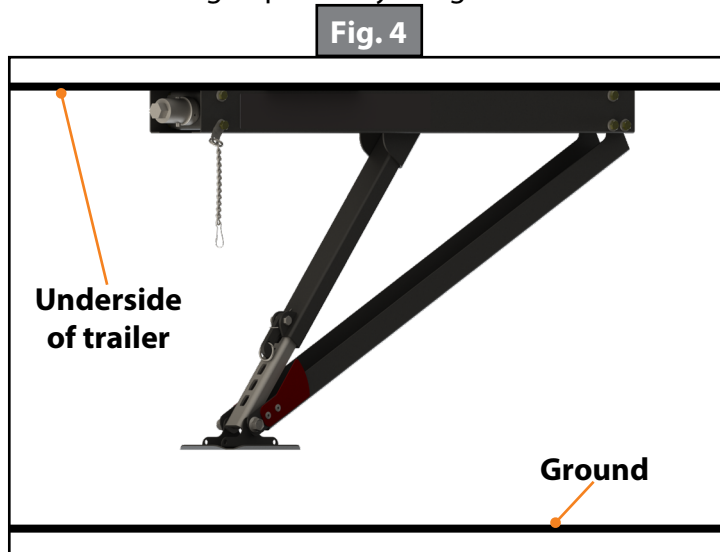
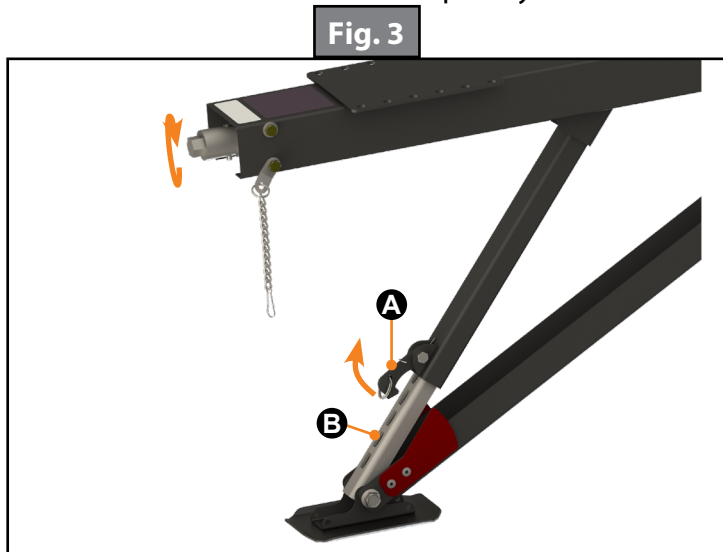
NOTE: Use of an impact drill is not recommended and will cause damage to the mechanism.



5. After the stabilizer has extended to a point, it will be necessary to pull the catch pawl (Fig. 3A) to lower the drop leg (Fig. 3B) further. Pull the catch pawl and continue to extend the stabilizer until it is approximately halfway extended (Fig. 4).

NOTE: If the catch pawl is damaged or otherwise cannot be pulled up, proceed to step 10, remove catch pawl, and return to step 6.

NOTE: While extending the stabilizer and finding a suitable extension to perform the procedure, keep in mind the length of the drop leg (Fig. 3B). This leg will need to be replaced and as such will need clearance to slide completely out of the inner arm without being impeded by the ground.



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6. Another person may be needed for this step. Support the footpad (Fig. 5A) and outer arm (Fig. 5B) so that when the bolt (Fig. 5C) is removed neither the footpad or outer arm drop to the ground causing damage to the parts. Using a ratchet or cordless drill and a 9/16" socket, remove the nut (Fig. 5D) from the end of the footpad bolt (Fig. 5C). Carefully slide out the footpad bolt taking special care to not lose the spacers (Fig. 5E). Set aside all hardware and spacers for reuse.
7. Remove and set aside the footpad (Fig. 6).

Fig. 5

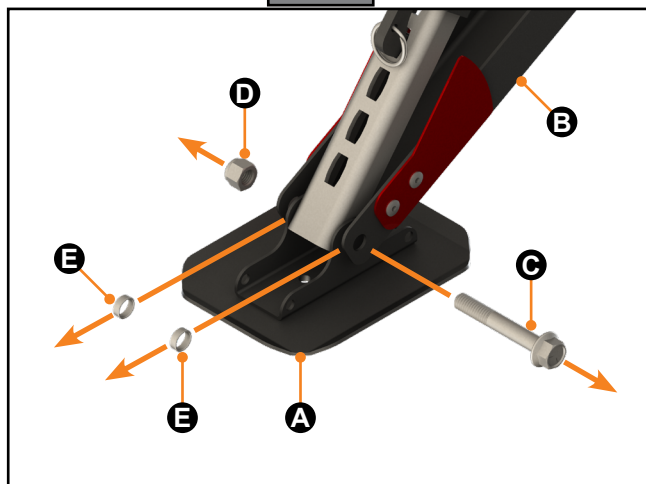
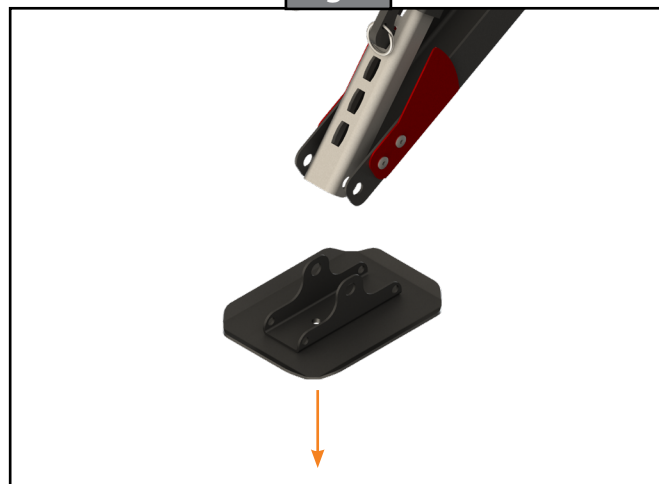
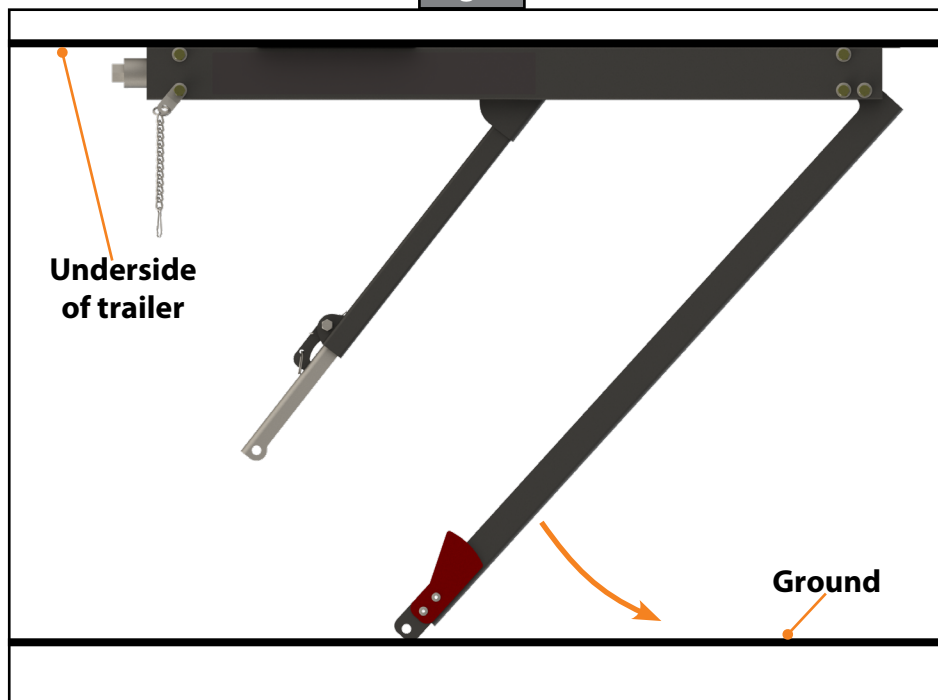


Fig. 6



8. Lower the outer arm to the ground where it can rest (Fig. 7).

Fig. 7



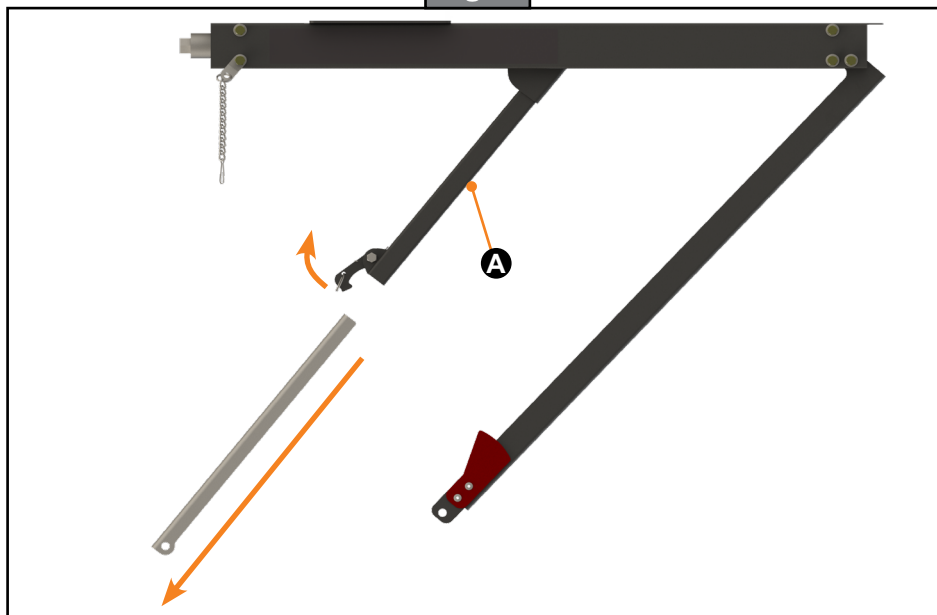
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9. Pull up the catch pawl and slide the drop leg out of the inner arm (Fig. 8). Discard the old drop leg.

NOTE: If the catch pawl is damaged or otherwise cannot be pulled up, proceed to step 10, remove catch pawl, then remove the inner arm and discard it.

NOTE: Lift the inner arm assembly (Fig. 8A) as needed to allow enough ground clearance for the drop leg to be removed successfully.

Fig. 8



10. Using a ratchet or cordless drill and a 7/16" socket, carefully remove the nut (Fig. 9A) and bolt (Fig. 9B) securing the catch pawl to the inner arm.

⚠ CAUTION

**Spring is under tension, and may release when bolt is removed.
Wear protective glasses.**

11. Remove old catch pawl, catch pawl ring, spring, and gasket and discard them (Fig. 10).

Fig. 9

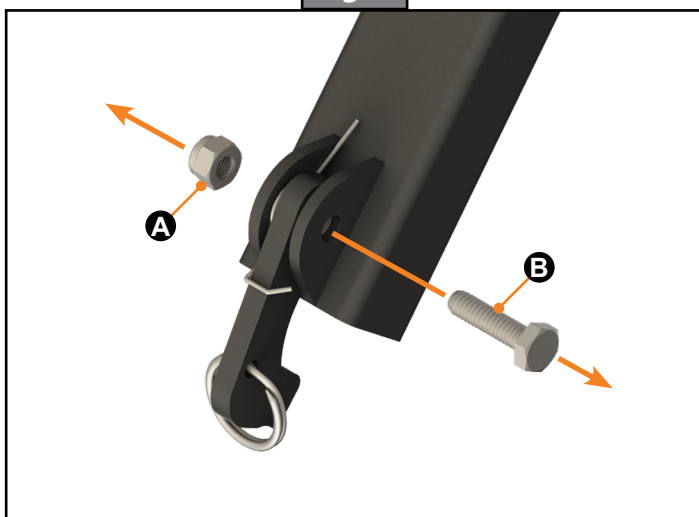
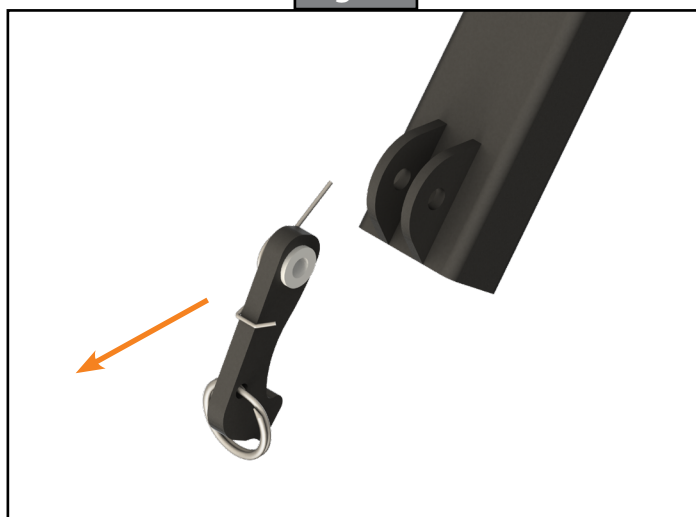


Fig. 10



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Installing the New Drop Leg and Catch Pawl

1. If needed, insert the plastic bushing (Fig. 11A) into the new catch pawl eyelet (Fig. 11).
2. Apply tension to loosen the coil of the spring (Fig. 12A) by pinching the straight wing of the spring (Fig. 12B) towards the bent wing (Fig. 12C).
3. Install the spring onto the catch pawl by looping the coil over the edge of the bushing (Fig. 13). Make sure the bent wing of the spring hooks over and rests on the top edge of the catch pawl.

Fig. 11

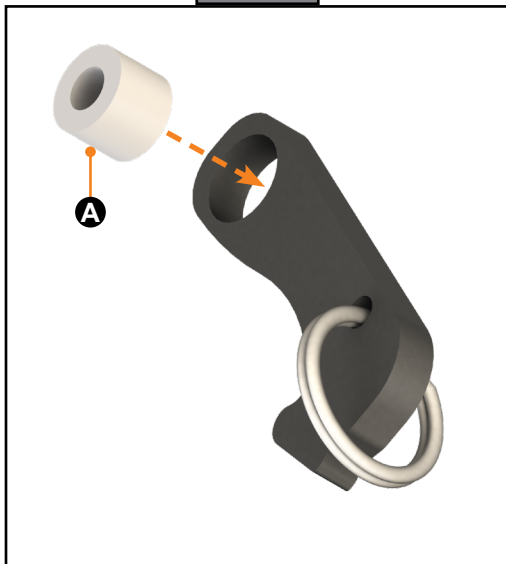


Fig. 12

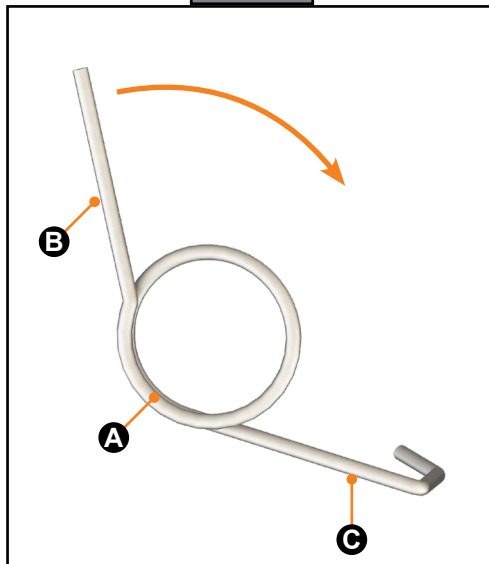
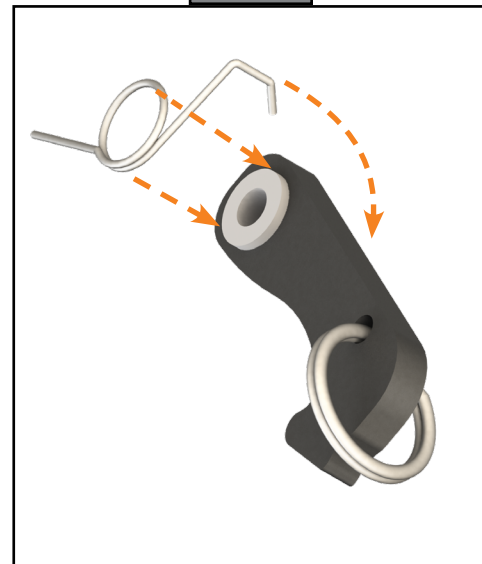


Fig. 13



4. Press the straight wing of the spring against the edge of the inner arm (Fig. 14A) to align the holes in the catch pawl assembly and the catch pawl mounting bracket (Fig. 14B). Light tension will need to be applied to the spring by pulling the catch pawl towards the inner arm to allow for the holes to align.
5. While holding the catch pawl in place, secure it to the inner arm by sliding the bolt through the aligned holes (Fig. 15). Screw the nut on to the bolt using a ratchet or cordless drill and a 7/16" socket. (Fig. 16). Tighten to 70-88 LB/IN. **Do not overtighten.**

Fig. 14

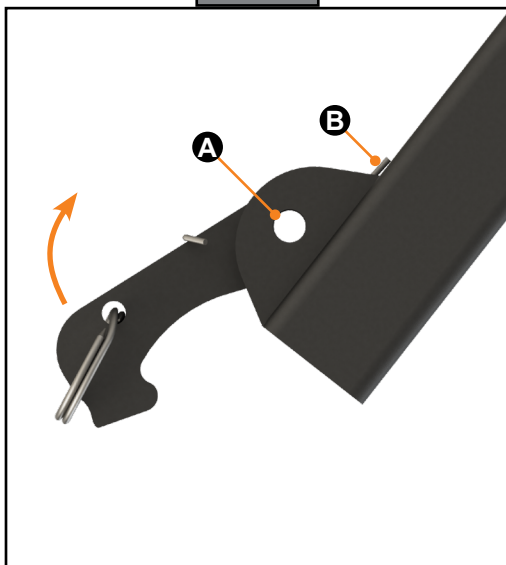


Fig. 15

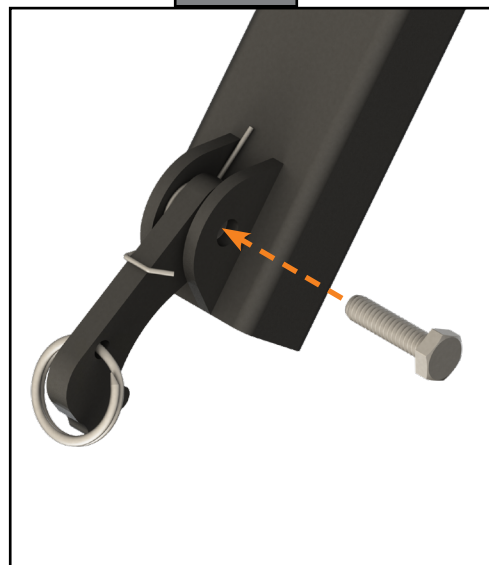
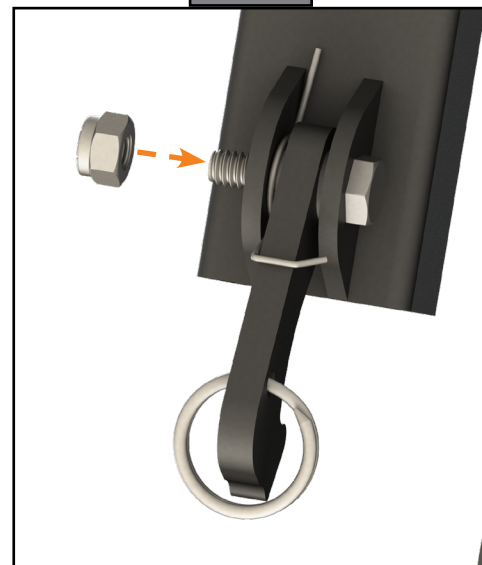


Fig. 16



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- Pull up the catch pawl and slide the new drop leg into the inner arm (Fig. 17). Once the drop leg is in the desired position, release the catch pawl into one of the drop leg slots to lock it into place (Fig. 18).

Fig. 17

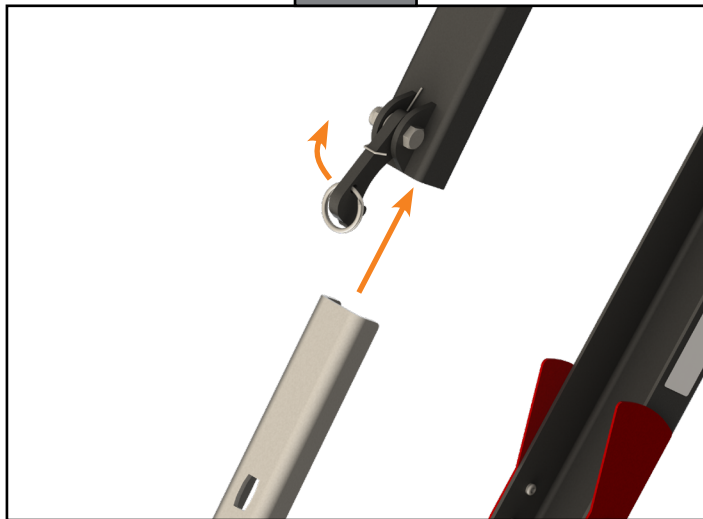
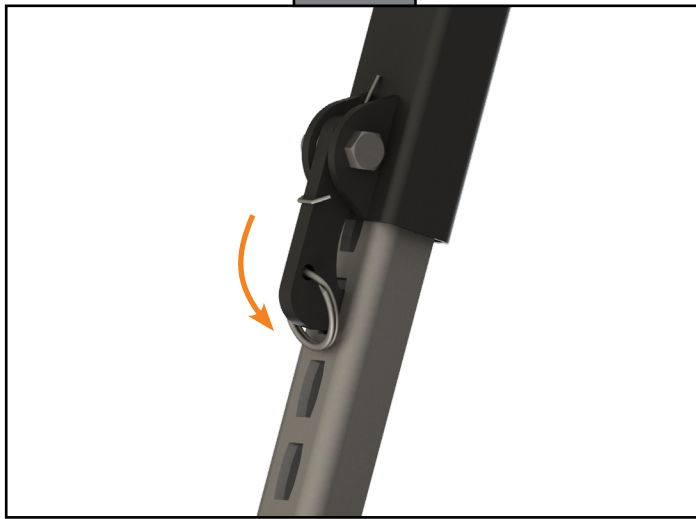


Fig. 18



- Raise the outer arm up (Fig. 19) and align the foot pad mounting holes on the outer arm with the foot pad mounting holes on the drop leg (Fig. 20A).

Fig. 19

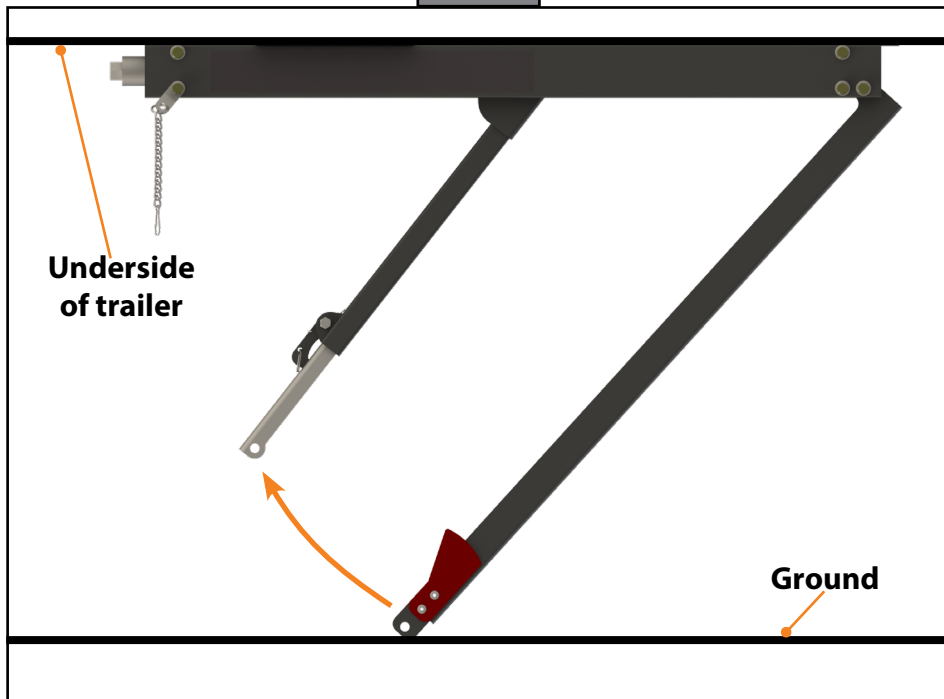
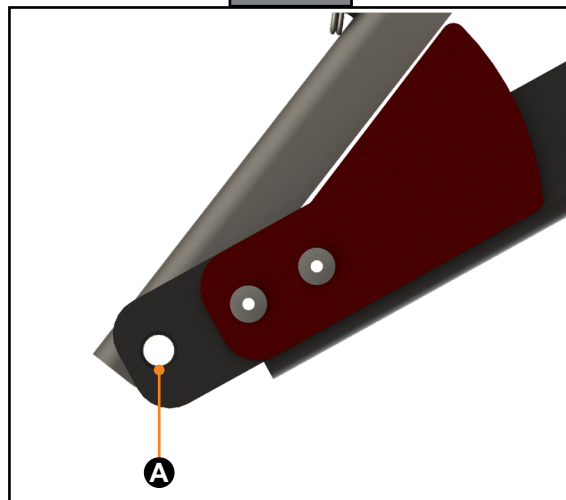


Fig. 20



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8. Place the footpad into position by aligning the footpad holes with the previously-aligned mounting holes on the drop leg and outer arm (Fig. 21A).
9. Place the footpad spacers in the correct positions between the footpad and outer arms (Fig. 22A). Insert the footpad mounting bolt (Fig. 22B) to pin the outer arm, spacers, footpad, and drop leg together.

⚠ CAUTION

Spacers are crucial to proper stabilizer operation. Failure to replace the spacers or placing them in the incorrect positions could lead to personal injury or property damage.

Fig. 21

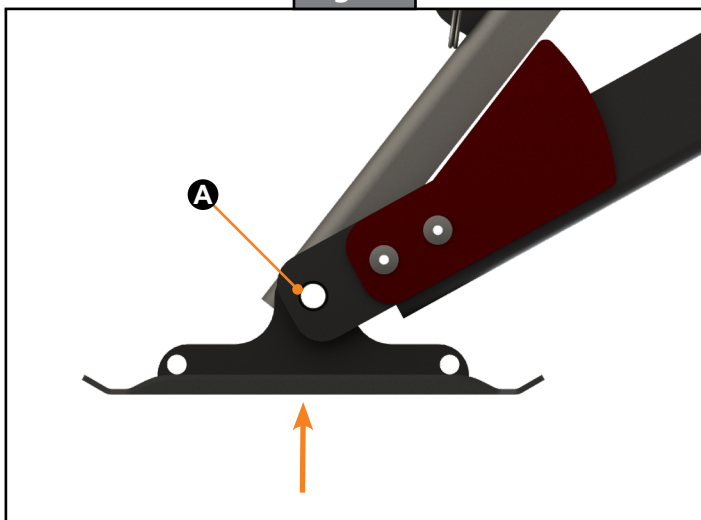
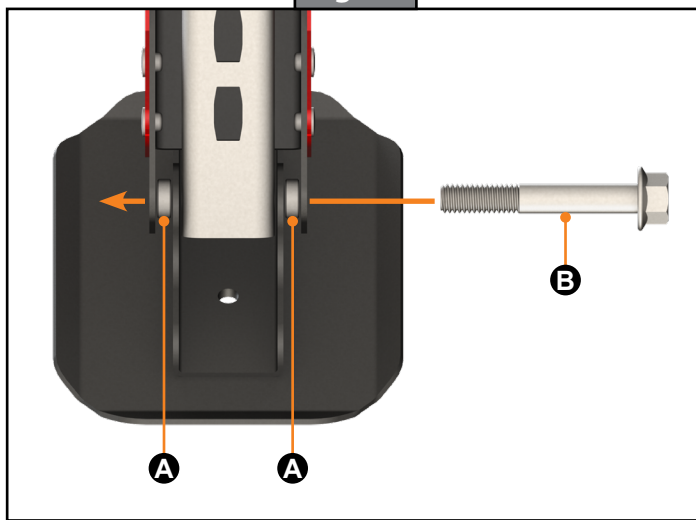
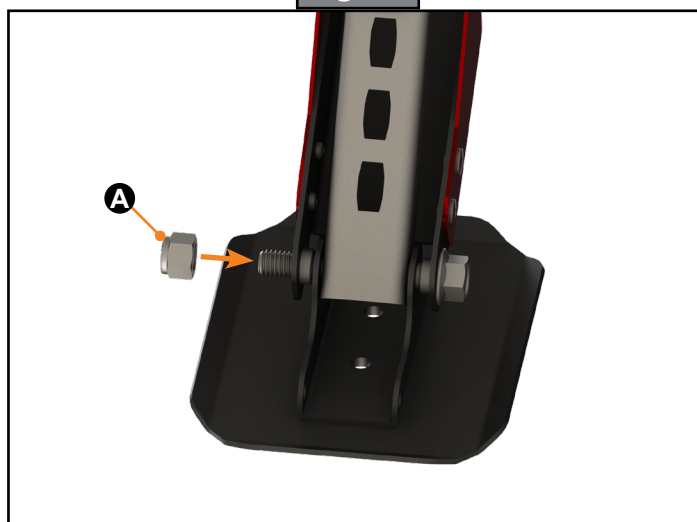


Fig. 22



10. Secure the assembly by screwing on the nut using a ratchet or cordless drill and a 9/16" socket. (Fig. 23A). Tighten to 1.84 ft lbs.

Fig. 23





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