

# INSTALLATION INSTRUCTIONS:

**2019 OUTLAW SERIES CASTER BRAKE**

088-2013-00

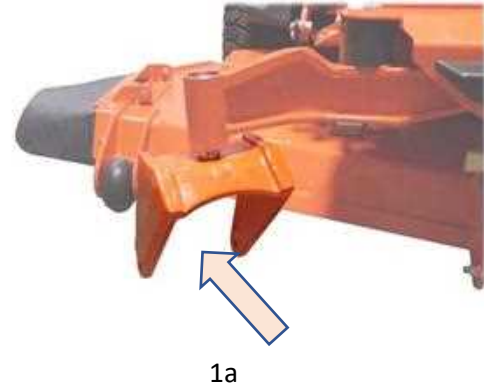
WILL FIT ALL 2019 OUTLAW SERIES MOWERS.





### STEP 1: Remove and replace the front spindle.

- Secure the rear wheels and jack the front end up enough to clear the floor.
- Remove the front tire. (figure 1a)
- Use a 1 7/16" socket (with an impact wrench if available) to remove the front spindle and fork. Leave the bearings and spacer in place. (figure 1b)
- Replace the spindle with the new spindle leaving the machined spacer at the bottom. Use the 1/4 x 3/4 key stock to help hold the spindle in place. (figure 1c)
- Slide the brake hub in place by aligning the slot with the key way. (figure 1d)



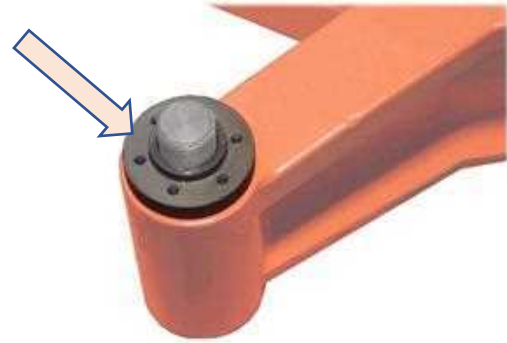
1a



1b



1c



1d

### STEP 2: Install the caster brake assembly.

- Attach the brake caliper to the caliper bracket using the provided 1/4-20 x 3/4" bolts and spacers. (figure 2a)
  - Place the brake disc into the caliper and slide down over the spindle. Secure the assembly with the bracket plate as shown. (figures 2b and 2c)
- NOTE:** There are two sets of holes on the bracket. The outside holes are for the suspension mowers and the inside holes are for non-suspension.



2a



- Align the center holes in the disk with the corresponding holes in the hub and secure with the provided button head bolts.  
**NOTE:** When tightening the bracket, ensure that the brake disc and the bracket are even with each other. It is helpful to squeeze the handle to help line them up while tightening the bracket.



2b



2c



2d

### STEP 3: Replace the fork and tire.

- Use the provided Hex nut and lock washer (on the bottom) and the nylon locking nut on top to re-install the fork.
- Re-install the front wheel.



3a

When complete, repeat steps 1-3 on the other side.



3b



**STEP 4: Install the brake handle and secure the brake lines.**

- Use the clamp portion of the handle to mark the desired location of the handle. Use a razor knife to carefully cut a slot for the handle location. (figure 4a)
- Use the provided bolts to secure the hand brake to the drive handle. (figure 4b)
- There is some excess brake line that will need to be secured. Shown here is only a suggestion. Use zip ties to secure the lines. Lines should not be loose, dangling, or pinched in any fashion. (figure 4c)
- If routing the lines as shown, be careful not to pinch the line while closing the floor board. (figure 4d)

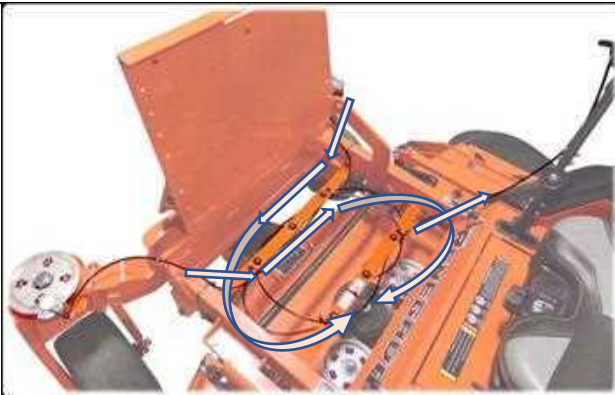
**Check for proper operation, revisit previous steps if necessary.**



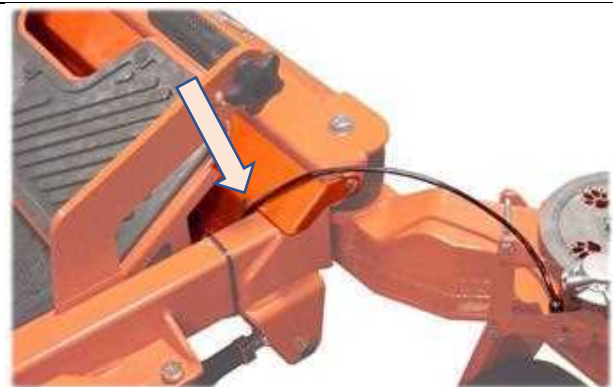
4a



4b



4c



4d