

Figure 1. Shows foot assist actuator bar, and installed foot assist.

- 1: Remove floor board.
- 2: Raise deck to the up position. Place a 4x4 piece of wood (or equivalent) under each side of the deck. Now lower the deck completely. (Until actuator motor starts clicking).
- 3: Remove the bolt that attaches the deck hanger chain to the actuator bar of the mower.
- 4: Remove bolt that attaches the actuator motor from the actuator bar.
- 5: Loosen the set screw in height indicator bracket and slide bracket off the actuator bar.
- 6: Loosen set screws in both pillow blocks. (Pillow blocks are the “blue” colored items that the actuator bar is attached to on each side of the frame).
- 7: Remove the pillow block on the right side. (Right as sitting on mower).
- 8: Slide actuator bar out from the right side (may have to twist bar).
- 9: Slide new foot assist actuator bar in the left side (sitting) pillow block.
- 10: Reattach right pillow block, tighten set screws in pillow blocks, reattach height indicator bracket, tighten set screw in height indicator bracket, reattach actuator motor to actuator bar, and reattach the deck hanger chain.
- 11: Raise and lower deck to ensure proper alignment.
-If interference occurs adjust actuator bar left or right. (after loosening set screws).
- 12: Remove wood from under the deck and lower deck completely. Adjust the height indicator bracket to read “1” and tighten set screw on height indicator bracket.

NOW TIME TO ASSEMBLE THE FOOT ASSIST MECHANISM.

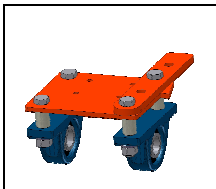


Figure 2.
First step in
assembling foot
assist.

1: Make sure deck is in lowest position.

2: Determine correct placement of the tab shown in figure 2. (tab with four holes, and rounded on one side).

For Diesel and AOS models: Set up like shown in figure 2.

For Lightning and Pup models: Slide back tab one slot so that there is no hole showing at the front.

Once tab placement is determined take the 1/2" x 2 1/2" bolts and insert into the four corners of the plate. As shown in figure 2.

3: Use 1/2" x 1" spacers under the plate.

4: Insert pillow blocks on bolts. Secure with 1/2" lock washers and 1/2" nuts.

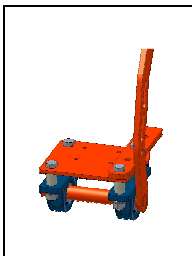


Figure 3.

5: Insert shaft of pedal arm through the pillow block as shown in figure 3. (the arm should be on the same side as the tab attached to the foot assist plate)

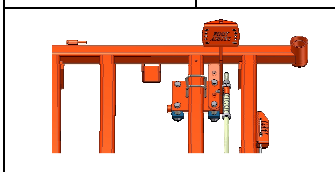
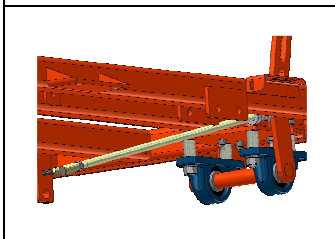


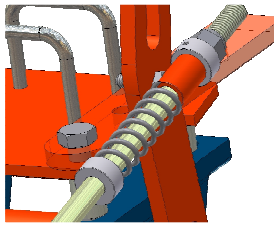
Figure 4.

6: Using the supplied U-bolts, attach the foot assist mechanism to the frame rail of the mower. Be sure to use the tab that is hanging over the edge of the foot assist plate is flush with the cross-brace part of the frame before tightening completely.



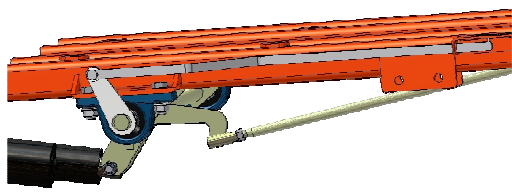
7: Take small end of rod and place 3/8" fine threaded nut onto shaft. Place swivel joint onto rod and screw on completely. Then jam the nut onto edge of swivel joint as shown in figure 5.

Figure 5.



8: Take opposite end of rod and assemble like shown in figure 6. (Do not tighten nut or collar spacers down yet, and wait to attach rod to foot assist arm.)

Figure 6.



9: Insert swivel joint onto actuator bar from outside to inside. Secure to actuator bar with the 3/8" lock washer and nut.

10: Insert the stud that is now attached to the rod in figure 6, through the foot assist arm and attach with lock washer and nut.

Figure 7.

11: Raise deck to highest position.

12: Press foot assist arm fully against stop on the foot assist plate. Tighten nut until slack is removed from the bracket attached to the foot assist arm. Slide collar spacer and spring until contact occurs with the bracket and then tighten the set screw in the collar spacer to look like figure 6.

13: Install new foot assist floor board and look for any interference.

14: If any interference occurs just loosen the set screws in the pillow blocks on the foot assist mechanism and slide the arm to the desired position and tighten the set screws back in.

15: Lower deck. Close floor board. Screw the spring pin into the welded bolt on the foot pedal. Pull the pin and slide over the arm and snap the pedal into place.

For any further assistance on how to install the foot assist please contact Bad Boy, Inc. at 1.866.622.3269.