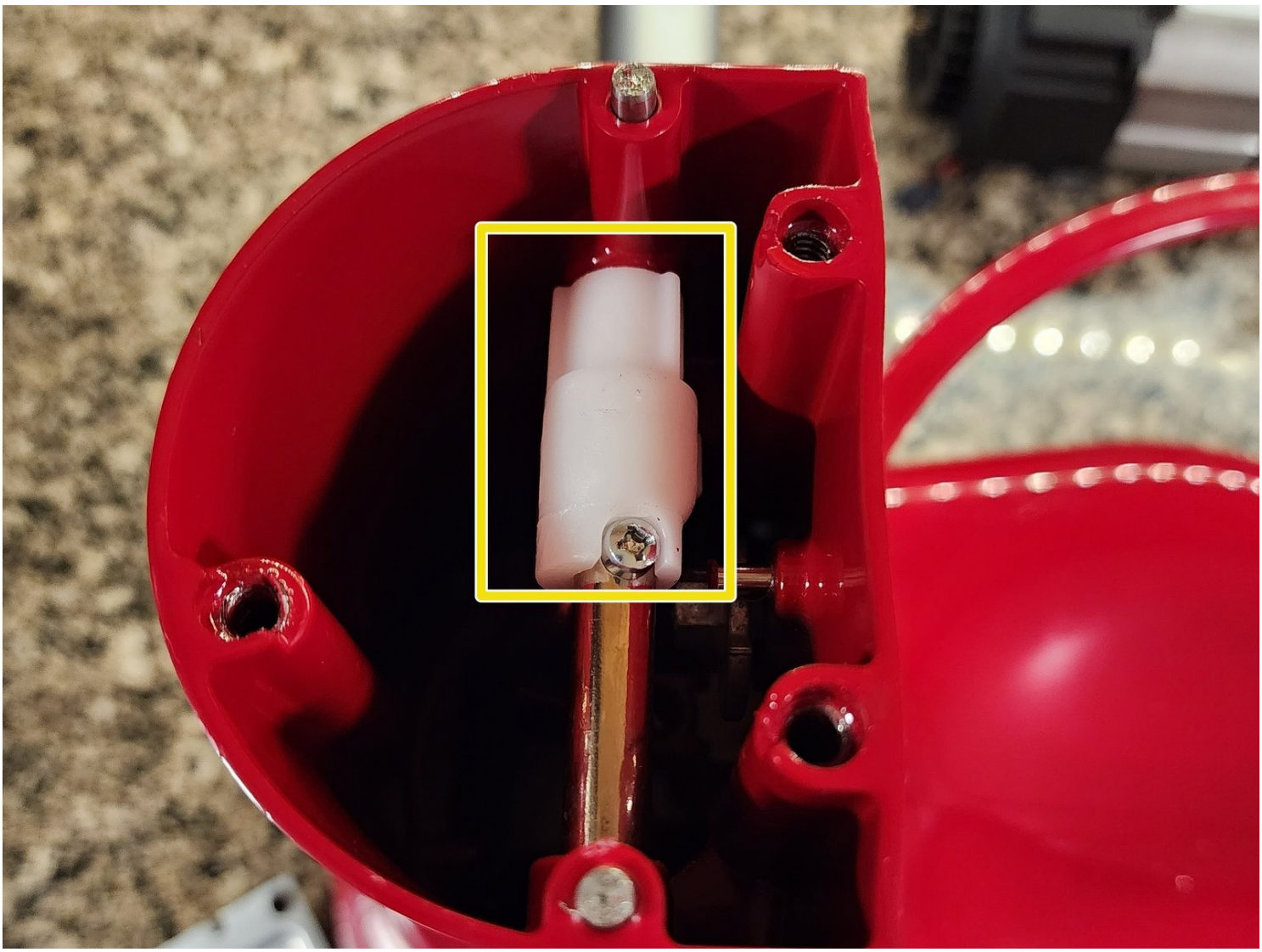
KitchenAid 5.5/6.0/7.0-quart Bowl-Lift Stand Mixers (Models: KSM55/KSM60/KSM70) - Internal Bowl-Lift Arm Adjusting Bracket Repla

While rare, being the only plastic piece in the...

Written By: PedroDaGr8



INTRODUCTION

While rare, being the only plastic piece in the bowl-lift mechanism, occasionally the internal bowl-lift adjustment bracket can fail. This can cause the bowl-lift arm to either no longer function or cause the bowl to not raise/lock into its proper position. This guide takes you step-by-step through replacing the incorrectly functioning part.

NOTE: This part is not responsible for setting the final/locked height of the bowl. That is the responsibility of the Bowl-Lift Arm Adjustment Cam. So if your bowl is raising too high or just barely too low, look into replacing that part instead.

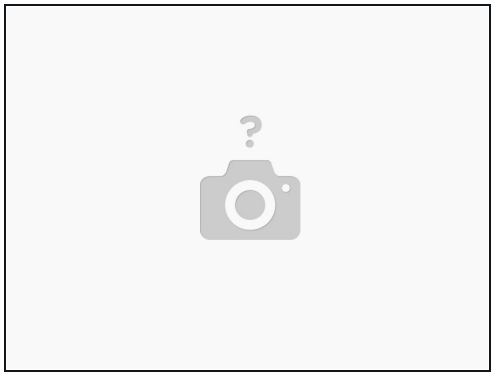
TOOLS:

Phillips #1 Screwdriver (1)
Phillips #2 Screwdriver (1)
Phillips #3 Screwdriver (1)
Torx T25 Screwdriver (1)
Pin Punch (1)
Alternately, can use a Torx T15 Screwdriver as a punch
Dish Towel (1)
Hammer (1)
Needlenose Pliers (1)

PARTS:

Bowl-Lift Arm Adjusting Bracket (Whirlpool Part #: WP9706885) (1)

Step 1 — WARNINGS!



⚠ Before starting ANY repair/disassembly of the mixer, make sure it is fully unplugged from the electrical outlet.

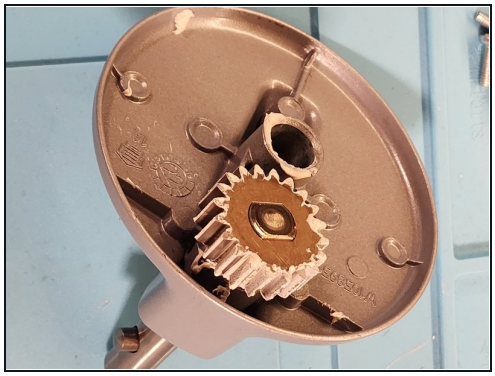
ⓘ While this model is not recommended for commercial use, if the mixer is being used in a commercial environment, a LOTO tag can be affixed via the hole on one of the prongs on the mains plug to prevent accidental activation.

⚠ The speed/motor control assembly contains capacitors which can retain their charge for an indefinite amount of time. These capacitors can present a significant and potentially fatal shock hazard.

Step 2 — Remove the Planetary Assembly







- Place some dish towels or other soft material in the base to protect it from any potential impact.
- Disconnect the planetary from the motor drive shaft by removing the retaining pin (circled in yellow). You can do this with a hammer and either a pin punch or a Torx T15 screwdriver. Simply hammer the punch/screwdriver on the pin until it comes out the other side.
- If the planetary assembly doesn't fall out, you might have to give it a firm pull straight down to remove it.

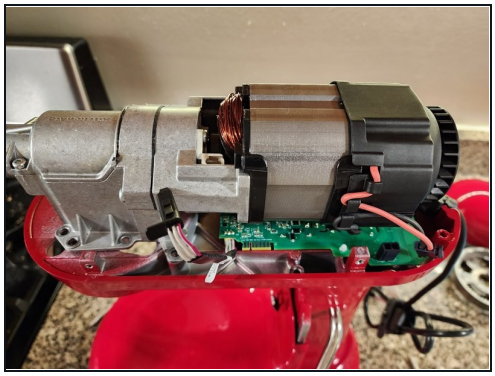
Step 3 — Remove the trim band



- Using a #2 Philips Screwdriver, remove the screw which holds on the trim band.
- Remove the trim band.

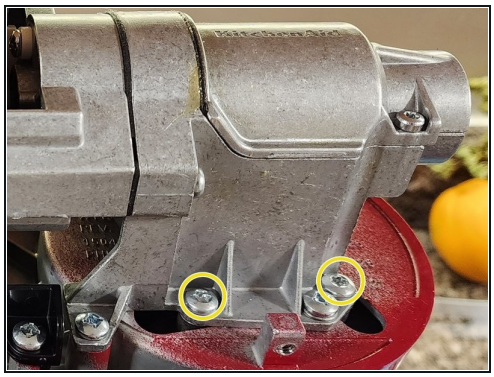
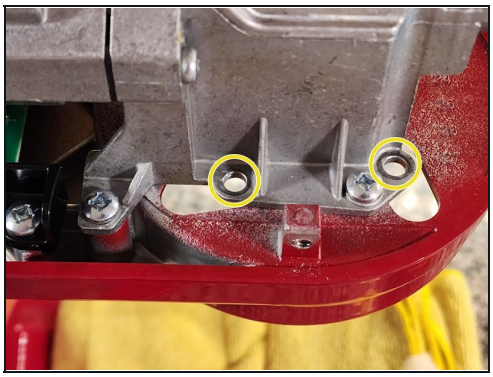
Step 4 — Remove the mixer cover



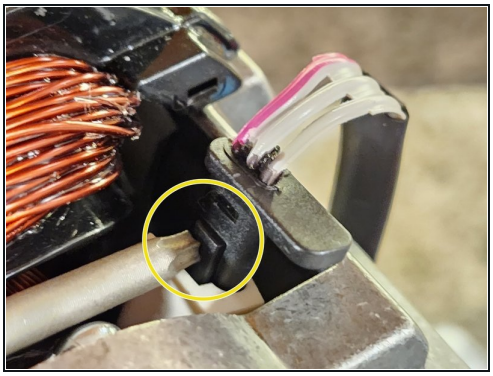
- Remove the four screws (circled in yellow, two on each side) using a #2 Philips Screwdriver
- Remove the cover by lifting it straight up.

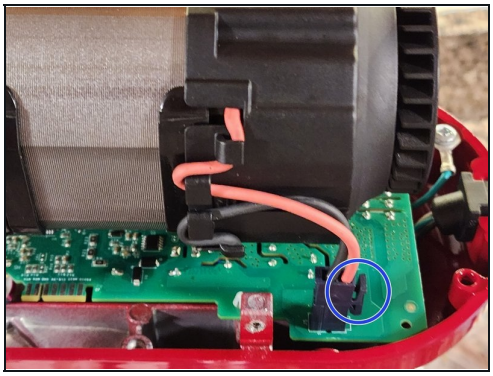
Step 5 — Remove the Planetary Gear

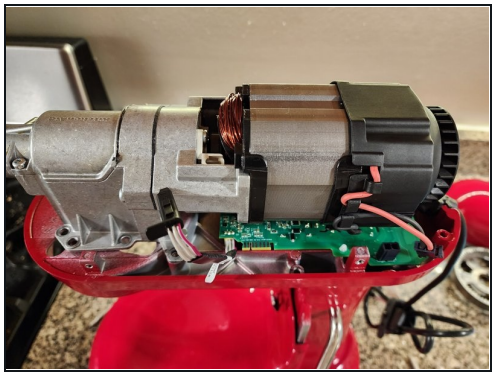




- Using the T25 Torx Screwdriver, remove the four torx screws by the powertrain (circled in yellow, two on each side)
- When removing the last screw, make sure to place your hand under the planetary gear as it is heavy and will fall out immediately.

Step 6 — Disconnect the motor

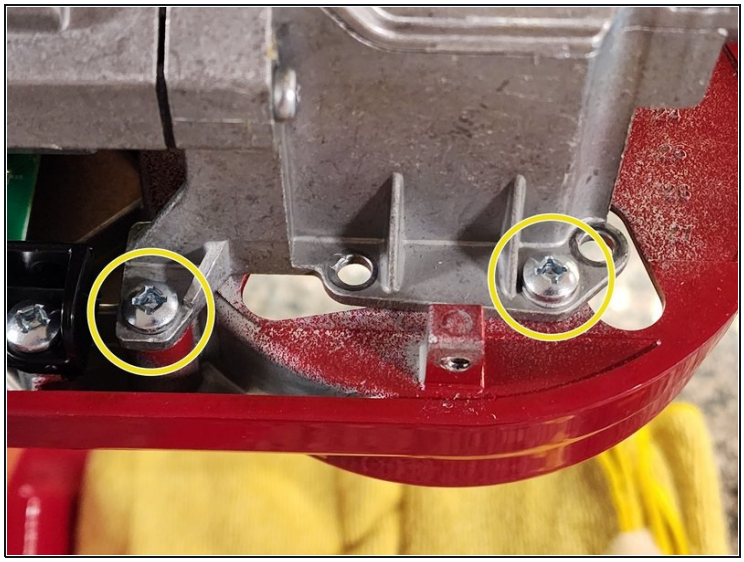


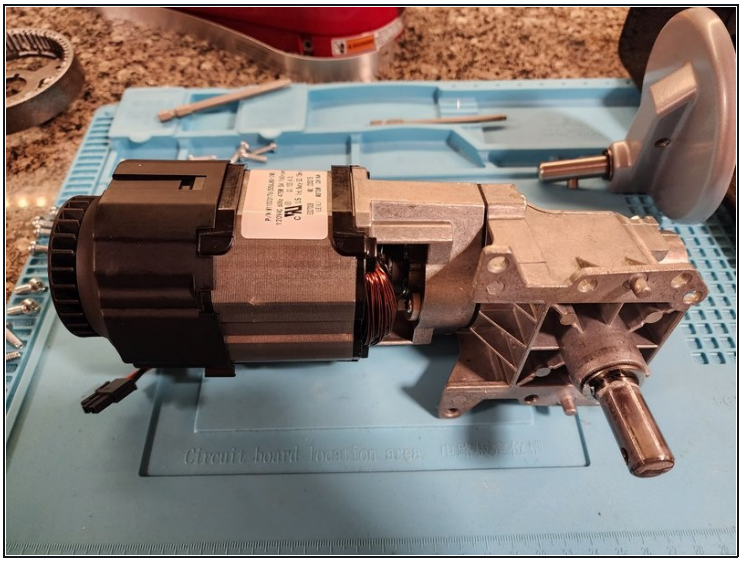




- Remove the hall effect sensor from its mount by pressing down on the tab (circled in yellow in the first picture) and sliding it out.
- Disconnect the power cable by holding down the clip on the right side of the plug (circled in blue) and pulling the plug straight up.

Step 7 — Remove the powertrain/motor



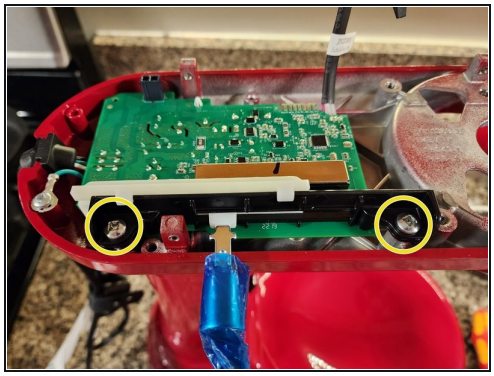
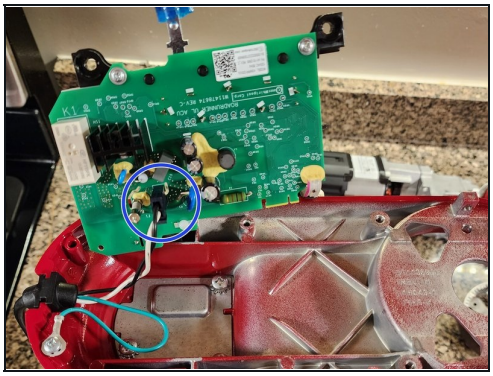
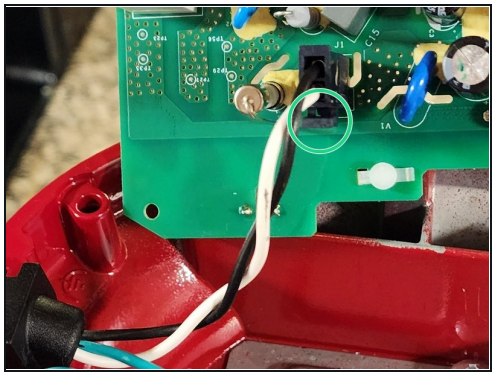


- The powertrain is comprised of the motor, the gearbox, and the transfer gears. Unlike previous generations of KitchenAid AC Motor bowl-lift mixers, which had these broken in to discrete parts, this is a single unit.

- Using a #2 Philips screwdriver, remove the four screws (circled in yellow, two on each side) attaching the powertrain to the mixer body.

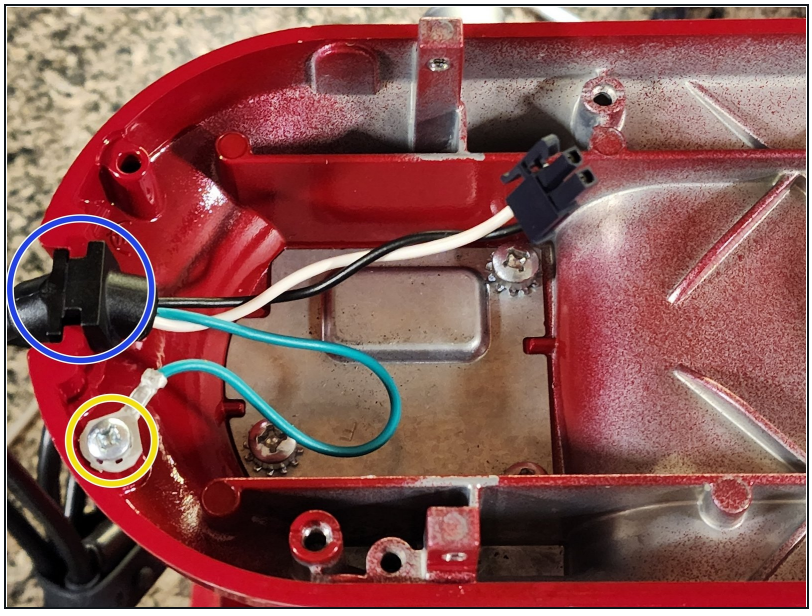
- Place the powertrain to the side, taking care not to damage any of the plastic parts like the rear fan.

Step 8 — Remove the speed/motor control assembly

- Using a #2 Philips screwdriver, remove the two screws (circled in yellow in the first image) holding the speed/motor control assembly to the mixer body.
- Pivot the assembly up to reveal the power connector (circled in blue in the second image).
- Disconnect the power connector from the speed/motor control assembly by depressing the tab (circled in green in the third image) and pulling upwards.
- Set the speed/motor control assembly to the side.

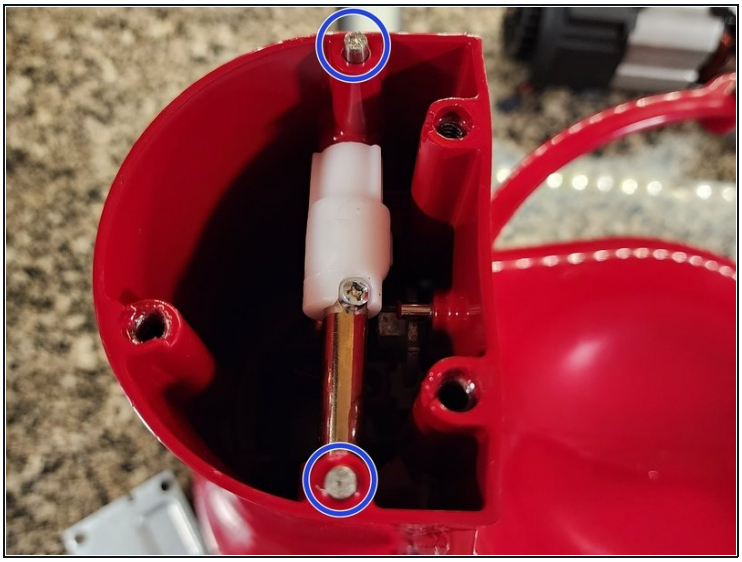
Step 9 — Remove the power cord



- Using a #2 Philips screwdriver, remove the screw (circled in yellow) which attached the ground lead to the mixer body.
- Remove the power cord by lifting up at the strain relief where it passes into the mixer (circled in blue).

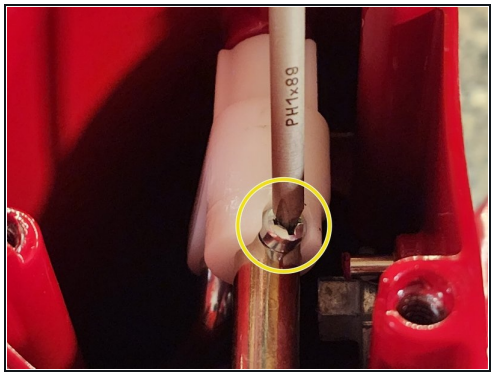
Step 10 — Remove the lower gearcase

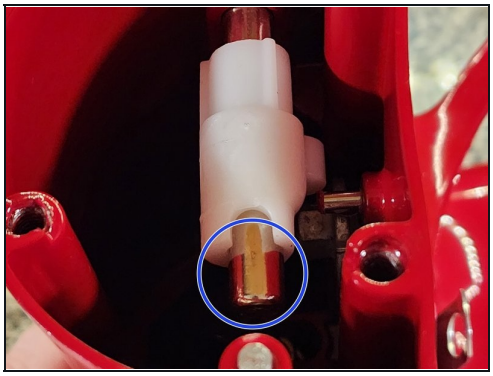
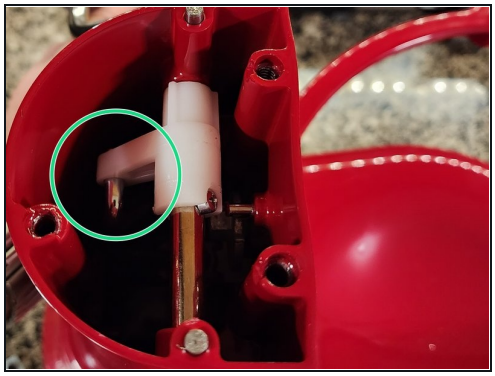




- Now comes the hard part: Using a #3 Phillips Screwdriver, remove the three screws holding down the coverplate and attaching the lower gearcase to the mixer body.
- These screws are extremely difficult to remove. If you are not strong enough to remove them, an impact screwdriver can be used to remove them.
- Lift straight up on the lower gearcase to remove it from the alignment pins (circled in blue in the second picture) and expose the bowl-lift mechanism.
- When reinstalling, make sure these alignment pins are inserted into the lower gearcase correctly and the screws are reinstalled super tight.

Step 11 — Replace the Bowl-Lift Arm Adjusting Bracket



- Using a #1 Phillips Screwdriver, remove the small screw anchoring the Bowl-Lift Arm Adjusting Bracket to the handle.
- Slide the handle out from the mixer body, as shown in the second picture. Continue sliding the handle out until the Bowl-Lift Arm Adjusting Bracket comes free.
- Using needle nose pliers, detach the C-clip holding the Bowl-Lift Arm Adjusting Bracket from the Bowl-Lift Rod (circled in green). Then remove the Bowl-Lift Arm Adjusting Bracket by sliding it off the Bowl-Lift Rod.
- Replace the Bowl-Lift Arm Adjusting Bracket.

To reassemble your device, follow these instructions in reverse order.

If you have difficulty accessing the screw hole for the Bowl-Lift Arm Adjusting Bracket, insert the handle fully into position and rotate the handle until the screw hole aligns with the notch in the Bowl-Lift Arm Adjusting Bracket