



Fitting Instructions for Shelbourne Reynolds Stainless Steel Stripping Rotor Fingers

These instructions are to help you when fitting or replacing Shelbourne Reynolds Stainless Steel Stripping Rotor fingers. Included are some quick maintenance jobs that should be done at the same time. Personal Protective Equipment should be worn when carrying out this task. If you are unsure of any steps please contact your Shelbourne Reynolds dealer.

Step 1:

Remove all the old fingers and wear plates. A 13mm socket will be needed to remove the bolts going through the fingers. Check these bolts for signs of wear and replace as necessary. It is necessary to **LOOSEN** the rotor panel to aid the fitting of the new fingers, a 15mm socket is needed for this. At varying points along the rotor are small metal plates that act as balance weights, **if these are removed they must be put back in the same spot to ensure the rotor stays balanced**. Save one plastic finger section from the far right (non drive end) and far left (drive end) and one finger from the left and right hand side of the division plate. Put all your bolts into penetrating oil to soak. If the rotor tries to spin while performing these tasks vice clamps can be put onto the division plate to hold it in place.

Step 2:

While you have the rotor empty of fingers you should remove one panel from the left side and one panel from the right side of the rotor, **make sure the panels go back on in the same place as you removed them from**, by removing the 2 bolts (15mm socket), **if you must remove any balance weights make sure they go back on in the same place that you removed them from**. With the 2 panels removed you can then clean out any dirt or dust that may have collected in the rotor, this helps keep the rotor in balance. You can also check the condition of the center bearing, the shaft and the ball coupling. With these maintenance jobs done you can replace the rotor panels.

Step 3:

The new fingers can be fitted to the rotor one of three ways. The aggressive position (standard for Wheat), which is with the cups coming up towards the combine, the Non-aggressive position (standard for Rice), which is with the cups going away from the combine, or alternating rows (good for soft wheat), which is four rows in the up position and four rows in the down position e.g. every other row. The small individual fingers that go beside the division plate should always be fitted in the cups up position (aggressive).

Step 4:

Lay the old plastic fingers you saved from step one on top of the new black plastic support fingers, you will notice that the far right and left hand fingers have half of the finger cut off horizontally and the left and right hand finger that goes beside the division plate has had one finger cut off completely vertically. You will need to cut 8 of each of these fingers.

Step 5:

You can now start fitting the new fingers into the rotor starting from the far right or left hand side. It is recommended that you use a "speed bar" when reinstalling the rotor finger bolts. If a bolt will not go back in you may need to tap out the hole using an M8 x 1.25 tap. The 13mm bolts should be tightened to 25n/m or 18lb/ft and the 15mm bolts should be tightened to 55n/m or 40lb/ft. There are small metal tabs on each end of the metal finger that should be overlapped with the finger next to it.

Step 6:

When all of the fingers are fitted make sure the rotor spins freely. All of the plastic fingers have slotted holes so it may be necessary to slide them over to properly align them with the steel finger. **If you are just replacing your steel fingers make sure that the plastic backer is completely touching the metal finger there should be no gap.**

Step 7:

On the ends of each rotor are metal anti-wrap knives these should be adjusted so the tips are barely touching the header. It is recommended that you have 4 knives on each end of the header and 4 knives on each side of the division plate (16 knives total). The knives should be fitted on alternating rows and not covering the grease hole for the center ball coupling.

Part Numbers:

Rotor Bolts that take 13mm socket HSSF08174

Rotor Bolts that take 15mm socket HSSG10204

Anti-Wrap Knives 192679 01

Center Bearing BRG-3275

Grease Zerk for Center Bearing NIP-00600

Center Shaft 192103 01

Ball Coupling Kit KIT-00976