



**Star
Manufacturing
International Inc.**

265 Hobson Street
Smithville, TN 37166

Phone: (314) 678-6303
FAX: (314) 781-2714

Service Kit Instructions

2M-Z12342 Rev H 07/13/26

Roller Grill Service Instructions Housing Hole Repairing

This kit will step you through the process of repairing a side panel roller hole if it has been worn out of round.

PS-RG30149 Contains:

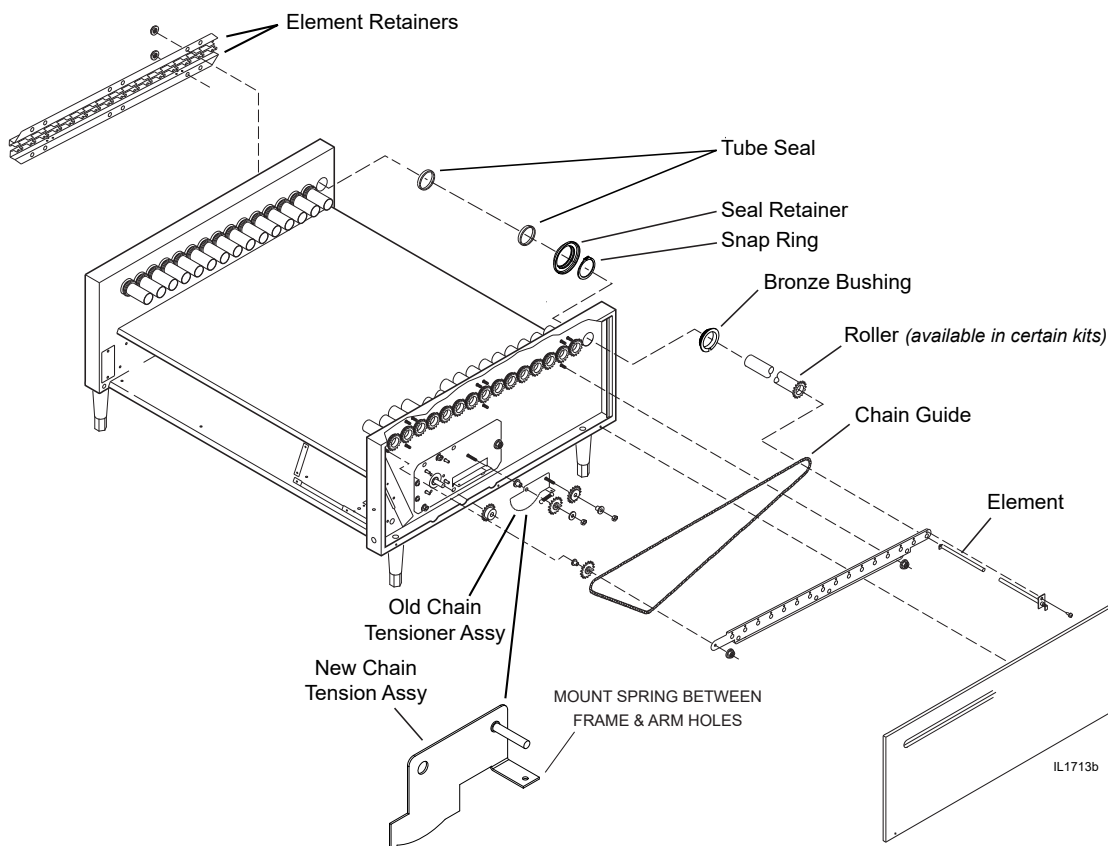
Part No.	Qty	Description
2I-422300	4	TUBE SEAL
2C-Z12341	1	SNAP RING
2P-Z12340	1	SEAL RETAINER
2A-Z20754	1	BRONZE BUSHING
A5-RG30121	1	IDLER ARM ASSY
1P-Z8914	1	EP GREASE

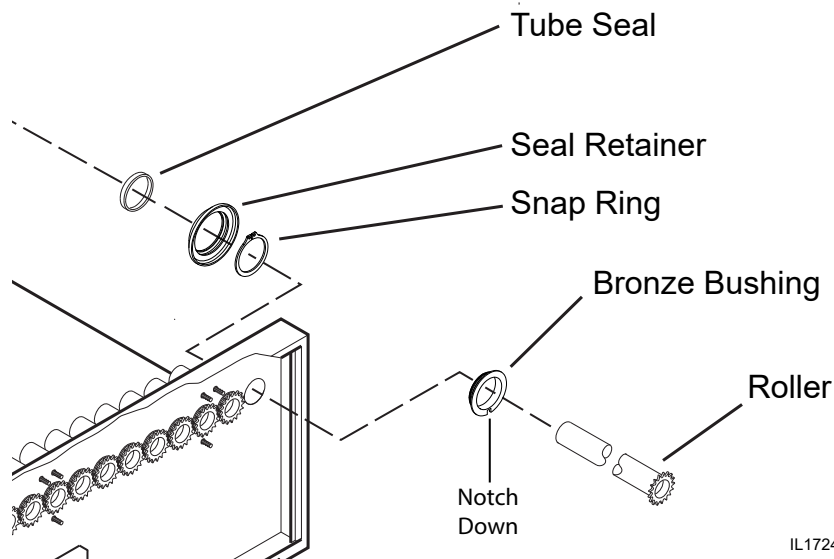
KITS WITH ROLLERS

These kits below include one replacement roller:

PS-RG30HR	Chrome	30/45
PS-RG30SHR	High Grip	30S/45S
PS-RG50HR	Chrome	50/75
PS-RG50SHR	High Grip	50S/75S

See Procedure Steps & Illustrations on the next page.

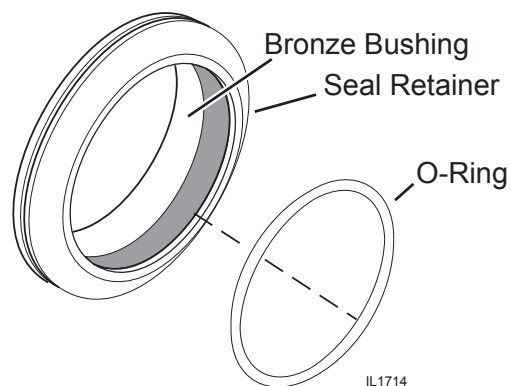




IL1724

Rollergrill Housing Hole Repair Instructions

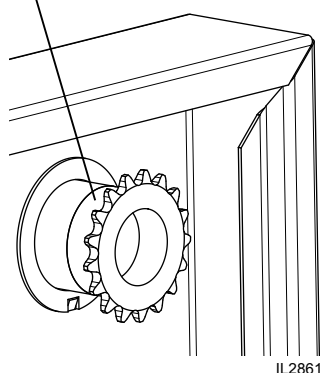
1. Open side panels
2. Remove element wiring and element retainers (on the non-motor side)
3. Remove heating elements
4. Remove chain and chain guide
5. Remove the roller, with the oblong panel hole.
6. Insert bronze bushing in oblong hole and secure with snap ring.
7. Snap seal retainer over flange in bronze bushing, by starting one edge and working it around until it snaps in place.
8. Insert new O-ring seals in groove of seal retainer and the far side tube guide (see illustration).
9. Follow the instructions on removing the grit next to the sprocket using a green 3M pad. (see page 3)
10. Remove tape from roller prior to installation
11. Lubricate o-rings and insert new roller, until about 1" sticks out.
12. Lubricate the bronze bushing by placing a small amount of the provided lubricant on the roller next to the sprocket, then push the roller the rest of the way in. (see illustration below)
13. Replace the chain tension assy with new chain tension assy, as shown in the lower right illustration.
14. Replace remaining components in reverse order.



IL1714

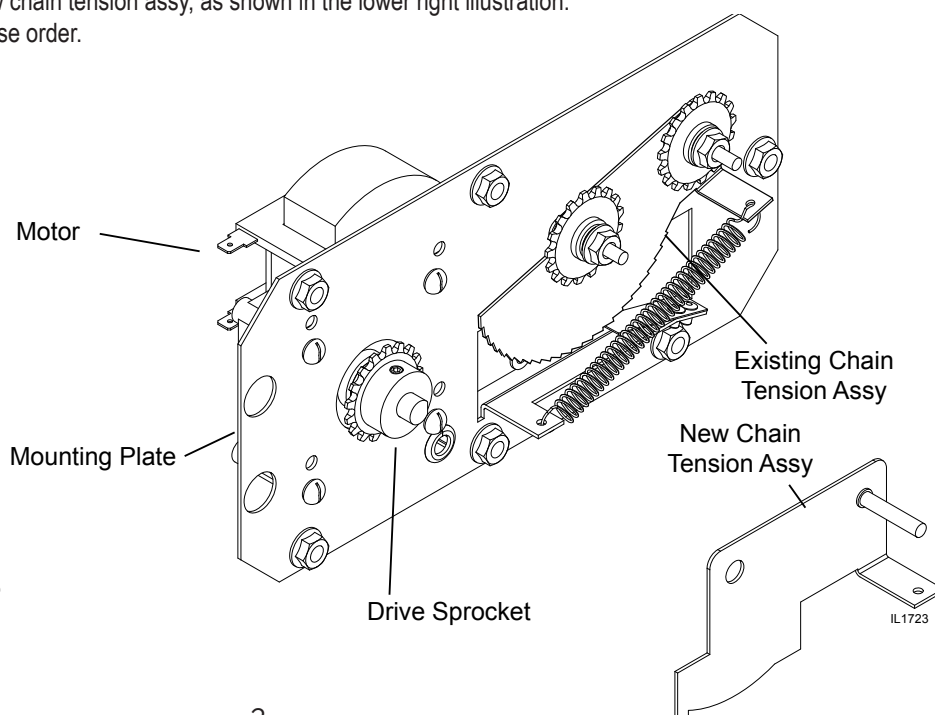
Insert O-Ring into Seal Retainer, Lubricate o-ring before installing roller.

Apply Lubricant



IL2861

*Above: Apply lubricant on the roller next to the sprocket as shown here.
Right: Chain Tension Assembly*



IL1723



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ROLLER BEARING AND BEARING SEAL REPLACEMENT INSTRUCTIONS

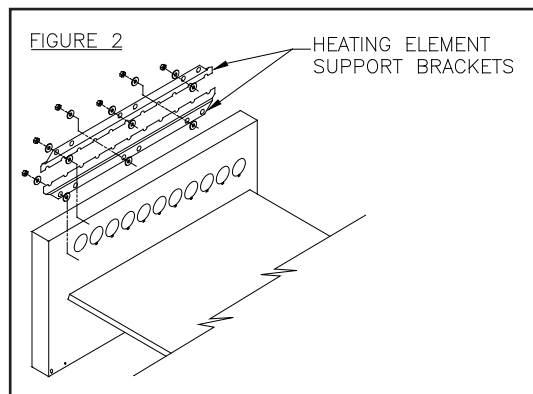
TOOLS REQUIRED: P/N: PS-RG7509 Star Bearing Replacement Kit includes 32 bearings, 1 Star insertion tool

- Flat screwdriver
- 3/32 allen wrench
- 3/8 nut driver
- Phillips head screwdriver

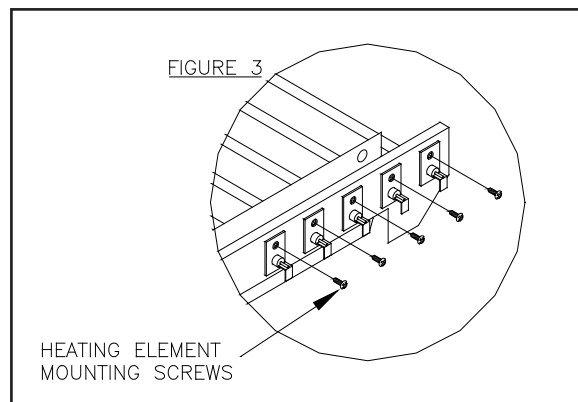
PROCEDURE:

A. Roller bearing and seal removal

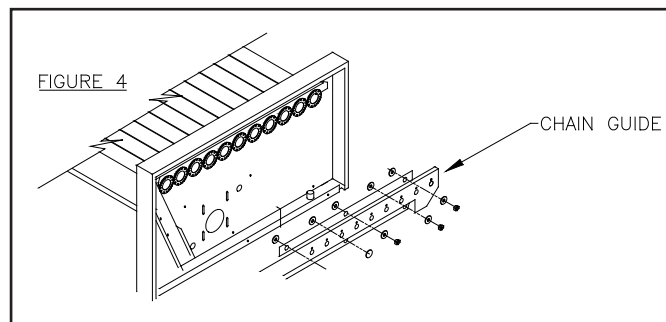
1. Disconnect the power cord from the wall receptacle.
2. Remove both side panels
3. Remove the heating element wiring harness on the non-control side of the unit. Be sure to grasp the terminal during removal. Do not pull the wire.
4. Remove both heating element support brackets located on the non-control side of the unit. See figure 2.



5. Remove the heating element wiring harness on the control side of the unit. Note that the control side has two separate wiring harnesses; one for the front set of rollers and one for the rear set of rollers. Tie the front harness in a loose knot or mark it in some way as to distinguish it from the rear harness. This will assure proper re-wiring later.
6. Remove the heating element mounting screws located on the control side of the unit. See figure 3.

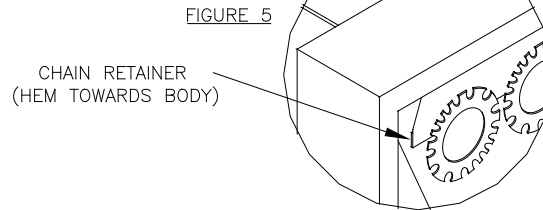


7. Carefully pull the heating elements out from the control side of the unit and store them in a safe place.
8. Remove the chain guide. See figure 4.

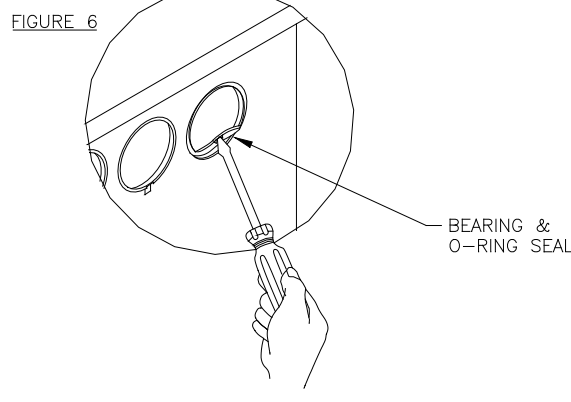


9. Loosen the drive motor mounting nuts. Do not remove them. Loosen them just enough to be able to move the motor freely.
10. Push the motor up to loosen the chain tension and remove the chain from the motor sprocket. Lower the motor.

11. Note the location of the chain retainer. The chain retainer is located between the sprockets and the unit body and its hem faces towards the unit body. This is important for re-assembly later. See figure 5.



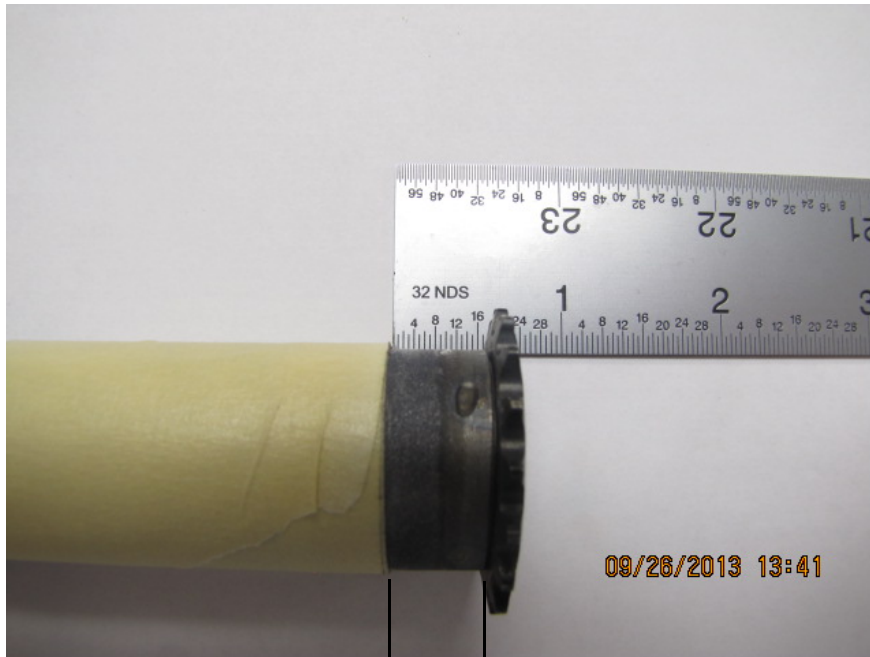
12. Remove the chain retainer. Note the use of washers as spacers behind the chain retainer. It is important that these washers be installed properly again.
13. Carefully pull the roller tubes out from the control side of the unit and store them in a safe place.
14. Working from the inside of the unit, remove the bearing and o-ring seal by placing a flat screwdriver against the lip of the bearing and pushing inward. Once loose the bearing and o-ring seal can be removed by hand. See figure 6. Discard the old bearings and o-ring seals.



B. Roller bearing and seal installation

1. Starting at the top, push the bearing inner lip into the hole. Work it in until the entire inner lip surrounds the hole.
2. Repeat the above steps until all the bearings have been installed.
3. Slide a roller through the new bearing starting outside of the unit opposite the control side and continue through the bearing on the control side of the chassis.
4. Repeat step 3.
5. Install the chain retainer on the control side of the unit. Remember the use of washers as spacers behind the chain retainer. It is important that these washers be installed. Also remember that the chain retainer must be installed between the sprockets and the unit body with its hem facing the unit body. Refer back to figure 5.
6. Install drive chain over sprockets. Be sure that the chain is seated in each sprocket tooth and is laying flat.
7. Lift the drive motor and install the chain around the motor sprocket. Be sure the chain is engaged in the sprocket teeth.
8. With very slight pressure on the motor to tighten the chain, tighten the motor mounting nuts.
9. Install the chain guide.
10. Carefully push the heating elements through the roller tubes from the control side of the unit.
11. Install the heating element mounting screws on the control side of the unit.
12. Install the heating element wiring harness on the control side of the unit. Be sure the front harness is attached to the front elements and the rear harness is attached to the rear elements as they were marked in step A5.
13. Install both heating element support brackets on the non-control side of the unit.
14. Install the heating element wiring harness on the non-control side of the unit.
15. Install both side panels or continue on to Drive Motor Lubrication Procedure.
16. Re-connect the power cord to the wall receptacle.
17. Run the unit and verify proper operation before putting it back in service.

RG Tube Grit Removal



Roughly 0.5 Inches



Grit Removed
in this area



Full Grit Coating

Coating with Grit Removed

Bare Metal

STAR INTERNATIONAL HOLDINGS INC. COMPANY

Star - Holman - Lang - Wells - Bloomfield - Toastmaster

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www.star-mfg.com