



# swan

## service

### guide: burr installation

30m

Swan burrs P/N 1303



Tools needed:

| Standard hand tools    | Swan tools (see page 5)                  |
|------------------------|--|
| 17mm socket and driver | UT030 Tool remove internal burr          |
| 6mm nut driver         | UT366.01 Coffee cleaning brush           |
| #1 Philips screwdriver | UT368 Burr replacement tool kit          |
| 3mm Allen key T-handle | UT371 Plate for centering swan ring (x4) |

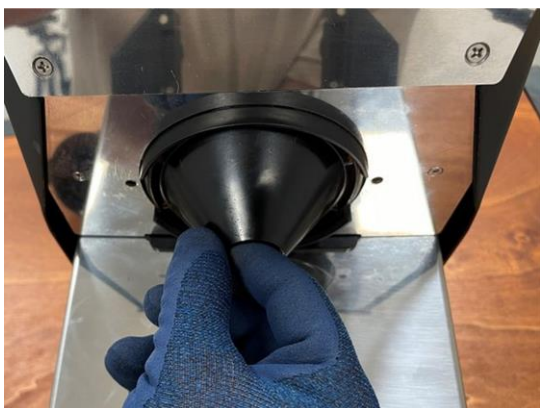
   Color arrows coincide with directions in images

Step 1 – Remove the external chute (P/N 1302)



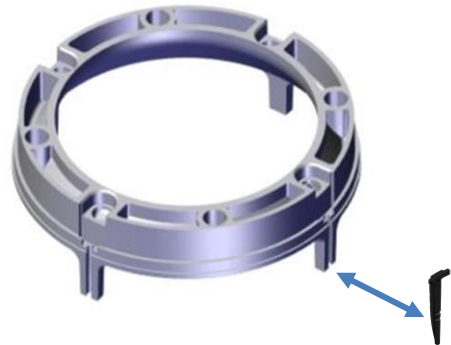
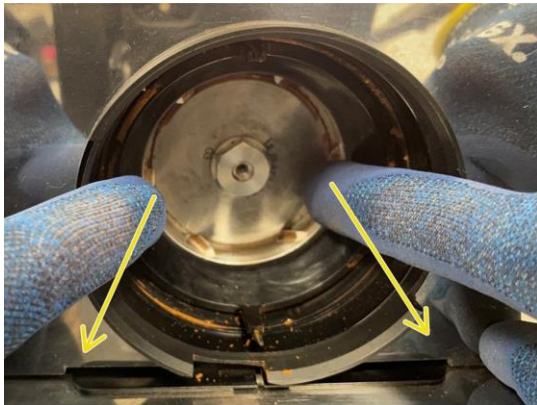
- Remove portafilter platform
-  ▪ Unscrew the two screws at the sides of the external chute
-  ▪ Pull and remove the chute down

Step 2 – Remove the internal funnel (P/N F.1.205) and compressing cone (P/N 1055)



- Grab the internal funnel and pull down
-  ▪ Using the #1 Philips screwdriver unscrew the compressing cone

Step 3 – Detach extruder discharge cone (P/N F.1.178.02)



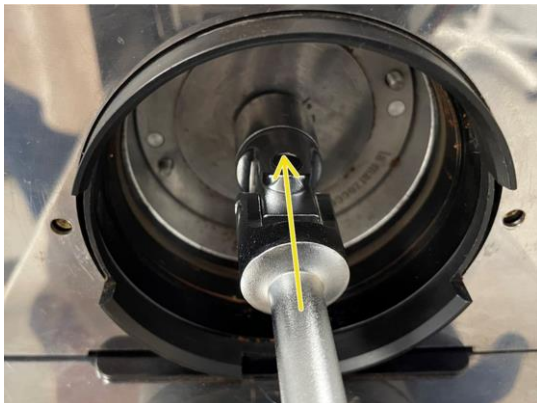
- ▶ ▪ Gently pull the magnetically secured extruder discharge cone down to detach
- If your extruder discharge cone is not magnetically secured, contact tech support
- ▶ ▪ Verify all four wipers (P/N F.2.059) are present. Replace any missing wipers

Step 4 – Unscrew extruder ring w/ magnets (P/N1056)



- ▶ ▪ From the top, insert UT368 to secure outer burr
- Remove the four screws with 3mm Allen key T-handle

Step 5 – Remove inner burr



- Adjust grind setting coarser
- ▶ ▪ Using 17mm socket, remove center bolt and remove screw
- ▶ ▪ Push from the top to remove inner burr
- If stuck, use UT030 to free the inner burr

### Step 6 – Remove outer burr



- ▣ ▪ Using 6mm nut driver unscrew nuts
- ▣ ▪ Remove burr by pressing firmly from the top
  - If stuck, insert a screwdriver in top and **lightly** tap with hammer

### Step 7 – Install new outer burr



- Clean chamber
- ▣ ▪ Insert new outer burr in position and finger thread nuts on. **DO NOT TIGHTEN FULLY**
- Follow burr alignment steps at step 9 to tighten

### Step 8 – Install new inner burr **CAUTION: burr edge is sharp**



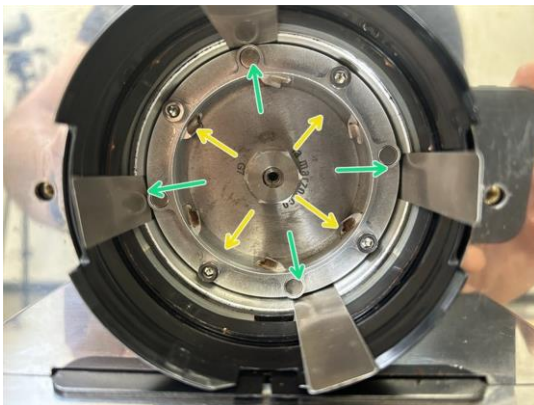
- ▣ ▪ Insert new inner burr from bottom, align **plug** to corresponding hole in burr carrier, and insert center bolt
- Tighten using 17mm socket

### Step 9 – Align burrs



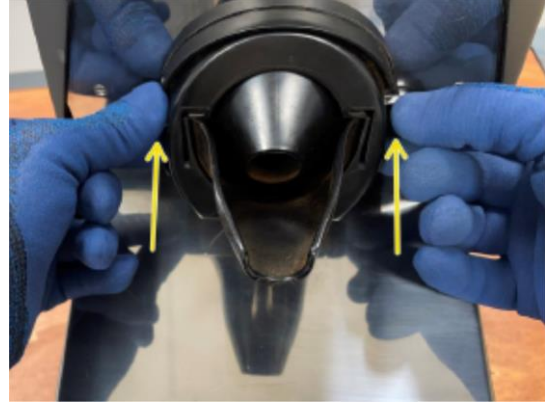
- ▶ Adjust burrs finer until the burrs begin to rotate together
  - Then adjust burrs finer four additional whole numbers on the scale
- ▶ Carefully tighten the four nuts using 6mm nut driver in a cross pattern
  - Do not overtighten nuts or use a socket wrench

### Step 10 – Reinstall extruder ring



- ▶ Put the extruder ring back in position and install the four hex-head screws without tightening
  - Install four UT371, .2mm spacers, as shown in picture. Make sure the extruder ring is aligned with burrs.
- ▶ Tighten the screws, then remove the spacers.
  - Verify all four wipers (P/N F.2.059) are still present. Replace any missing wipers. Mount the extruder discharge cone

## Step 11 – Reinstall compressing cone



- ▣ Screw the compressing cone back in position
- ▣ Reinstall internal funnel and external chute
- ▣ Adjust grinder coarser by 14-15 full numbers to return to espresso range

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## Swan tools

UT030



UT366.01



UT368



UT371



Please do not hesitate to reach out to our technical support team if you have any questions or need assistance with this service guide.

TECHNICAL SUPPORT  
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