Installing the front flap cable kit

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<td>Front flap cable assembly</td>
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Figure 1. Front flap cable kit
Tools required
T-10 Torx driver
T-20 Torx driver
5.5 mm open-end wrench
7 mm open-end wrench
Gloves (for handling insulation)
Tweezers

Remove the GC covers and air intake top cover

WARNING
Be careful! The oven may be hot enough to cause burns.

1. Turn off the GC heated zones and allow them to cool, then turn off the GC and unplug the power cord.
2. Remove the front cover and display. The broken front flap cable may still be in place, or may be dangling freely.
3. Disconnect the broken end of the front flap cable from the flap motor cable.
Figure 2. Remove the pulley bracket

WARNING
The insulation around the oven is made of refractory ceramic fibers. To avoid inhaling fiber particles, ventilate your work area; wear long sleeves, gloves, safety glasses, and a disposable dust/mist respirator; temporarily store insulation in a sealed plastic bag; and wash your hands with mild soap and cold water after handling the insulation.

4. Using a T-20 Torx driver, remove the pulley bracket. See Figure 2.
5. Remove the exposed insulation. The outermost panel of insulation will usually come off with the pulley bracket. See Figure 3.
6. Remove the air intake top cover.

Figure 3. Insulation exposed

Figure 4. Air intake top cover without grommet
Replace the front flap cable

1. Remove the M3 locking nut that secures the end of the broken cable in place. See Figure 5.

   **Figure 5. Front flap cable in mounting bracket**

   2. Being careful not to drop anything down into the fan, remove the screw from the bracket and remove the flap cable lug and M4 spacer nuts.

   3. Start the M3 screw through one side of the bracket and place an M4 spacer nut over its end.

   **Figure 6. Install the first spacer nut**

   4. Install the front flap cable onto the end of the screw.

   5. Using tweezers, install the second M4 nut, and push the screw through to the other side.

   6. Install the M3 nut on the screw and tighten.

   The installed front flap cable should be as shown below and in Figure 5.
Install the new air intake top cover

The current air intake top cover uses a brass grommet as a through-hole for the front flap cable. Use the new part and discard the old one.

1. Thread the free end of the cable through the grommet hole in the air intake top cover, then install the air intake top cover using two M3 T-10 screws.

2. Re-install the three pieces of oven insulation. First install the thick lower insulation so that the slit is at the top, and slip the cable through the slit. Next, install the
upper insulation strip. Slip the cable through the slit in the outer insulation panel (not shown) and put the panel in place.

Figure 9. Inner layer of insulation (two pieces) installed

3. Thread the front flap cable along the brass roller in the pulley bracket and reinstall the bracket using four T-20 M4 screws. The insulation should not protrude outside the pulley bracket. See Figure 2.

4. Install the jam nut on the new flap cable, and thread it all the way up.

5. Plug the power cord in and turn on the power.

6. When the oven duct flap closes, turn the power off, and disconnect the power cord. This ensures that both the front and rear flaps are fully closed during final assembly.

7. Reattach the mechanical front flap cable and tighten just enough so there is still some slack in the cable, then retighten the jam nut using 3/16-inch and 5/16-inch wrenches.

8. Check that the mechanical cable is wrapped around the motor collar and not around the motor shaft.

9. Replace the front cover and display.

Installation is complete.