59.F0 Error

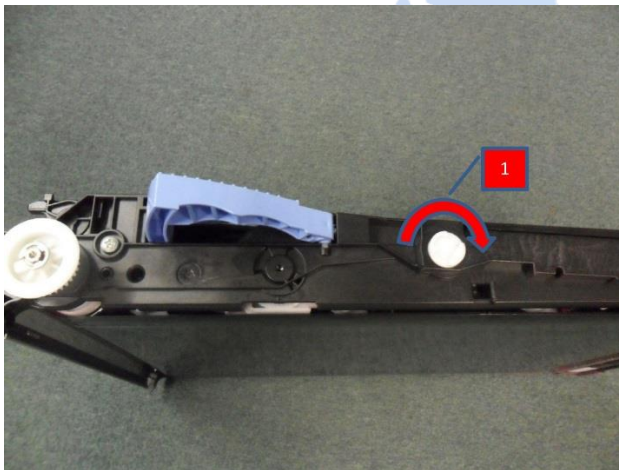# HP CP4025/CP4525/CM4540/M651/M680MFP

Description:

Printer boots up to 59.F0 Error and is unable to print. This error is primarily caused by one of the following conditions:

- A transfer alienation failure in which the ITB is stuck and unable to properly engage the internal transfer rollers.

- The SR9 sensor (the primary transfer roller disengagement sensor) has gone bad.

- The fuser drive assembly has failed.
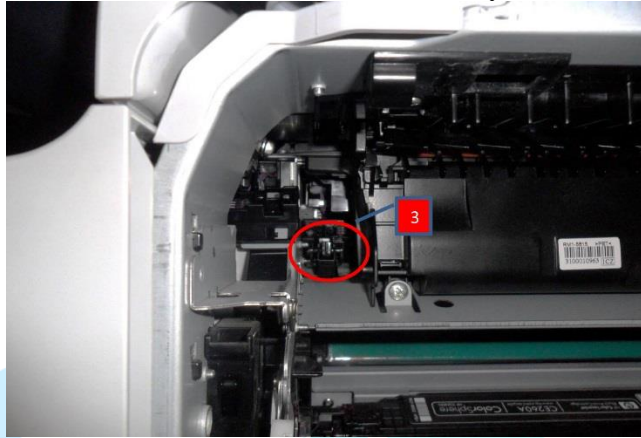
Action:

Reseat the ITB, check connections, perform manual diagnostic flag and sensor tests, test the alienation mechanism and then test the fuser motor.

1. Reseat the ITB and power cycle the printer.
2. If the issue persists, completely remove the ITB from the unit and manually test the ITB gear and flag.
    a. Rotate the gear (callout 1) and check if the flag actuates (callout 2) when the white gear is turned.

   b. If the ITB flag is broken, damaged, or if the flag does not move, replace the ITB (CE249A)

  c. If the ITB gear and flag are working properly and is not damaged continue to step 3
3. Test the Primary transfer roller disengagement sensor SR9 (Sensor "K") by using the MANUAL SENSOR TEST in the TROUBLESHOOTING MENU.
  a. NOTE: Before initiating this test, remove the ITB and fuser assembly from the unit to locate Sensor SR9 (callout 3) inside the fuser cavity.

  b. From inside the fuser cavity, slowly press down and release the SR9 flag to actuate the sensor
    i. While pressing and releasing the flag, check the control panel display for sensor response (under K) and confirm the sensor toggles between 0 and 1 (The normal state is 0).
  c. If the value does not toggle between 0 and 1, possibly clean or replace the sensor (WG8-5696)
4. If Sensor SR9 is working properly, the error would then be the result of the fuser/transfer drive assembly not engaging the belt. Replace the fuser drive assembly.
  a. For duplex models RM1-5656.
  b. For simplex models RM1-6702.

  NOTE: If the simplex drive is not available, the duplex drive unit can be used in its place, but not the other way around.