

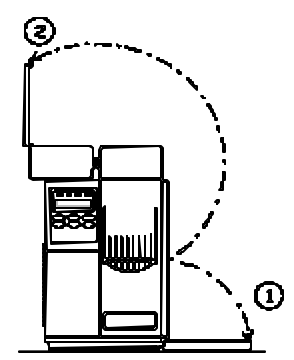
# SIGMA DATA 7200 THERMAL PRINT HEAD REPLACEMENT INSTRUCTIONS

## Tools Required:

- No.2 Phillips screwdriver
- Wrist strap (or similar device) for ESD grounding

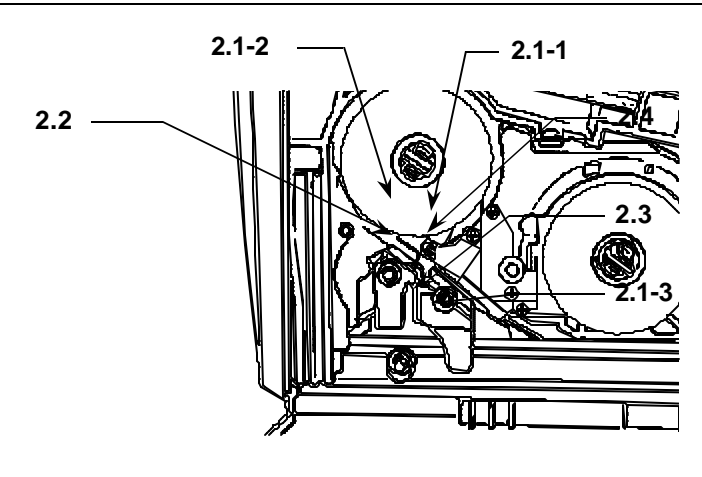
## To Prepare the Printer for Maintenance:

1. Verify that all replacement parts and tools are present.
2. Turn off the power switch, unplug the AC power cord, and disconnect all communication and interface cables.

<p>3. (1) Unlock and open the Lower Right Side Cover then (2) open the Upper Right Side Cover completely, until it rest on the Service Cover (Fig.1).</p>	 <p>Fig. 1</p>
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## To Replace the Thermal Print Head:

**IMPORTANT:** Properly ground yourself using an ESD wrist strap (or similar device) to prevent static discharge damage to the electronics.

<p>4. Loosen the first M3 Phillips tapping screw [2.1-1] located on the inside and top portion of the Cord Guide [2.2]. Then remove the second [2.1-2] and third M3 Phillips tapping screws [2.1-3] and, the M4 Phillips tapping screw [2.3]. Remove the Cord Guide from the Sheet Guide (P1) Assembly [2.4].</p>	 <p>Fig. 2</p>
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5. Disconnect the Thermal Print Head Cable Assembly [3.5] from the Thermal Print Head Assembly [4.6] (see Fig.4)

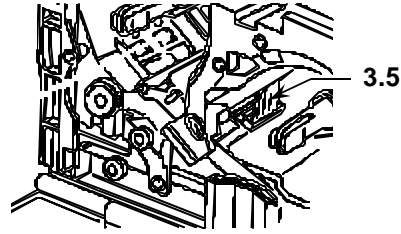


Fig. 3

**IMPORTANT:** Record the new thermal resistance value, (referenced between 500 and 800) from the topside of the new Thermal Print Head Assembly [4.6] prior to installation

6. Remove two M3 Phillips screws [4.7] and the Thermal Print Head Assembly.
7. Install the new Thermal Print Head Assembly [4.6] with the two M3 Phillips screws [4.7] from step 6 and connect the Thermal Print Head Cable Assembly [3.5] to the print head connector<sup>1</sup>.

**IMPORTANT:** Do not touch the thermal elements of the Thermal Print Head Assembly during installation.

8. Record the Thermal Resistance Value found on top of the new print head. The Hardware Feature in the Setup Menu will need to be set to this value.
9. Assemble all parts previously removed in reverse order.

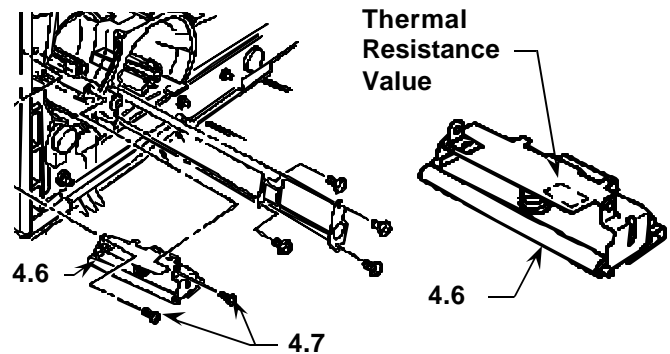


Fig. 4

10. Close the Upper Right Side Cover, then close and lock the Lower Right Side Cover.
11. Reconnect all communication and interface cables, plug-in the AC power cord and turn on the power switch.
12. Set the Print head resistance value in the Hardware Setup Menu. See “**To Reprogram the Print Head Setting.**”

<sup>1</sup> Tip: With the print head in position, align all holes by pushing down on the tilting bracket until the print head is pushed against the platen. Insert the outside M3 screw (do not tighten) and install the back M3 screw then tighten both screws.

## To Reprogram the Print Head Setting:

1. Access the Setup mode on the printer. Hold the **'SETUP'** button down, turn on the power switch and continue to hold the button down until unit initialization is complete.
2. Press the **'ON LINE'** button to go Off Line.
3. Press the **'SETUP'** button.
4. Press the **'ENTER'** button (The Hardware Parameter menu should be displayed).
5. Press the **↓** button until 'Head Resistance' appears in the keypad display.
6. Press the **'ENTER'** button (to accept the Head Resistance menu).
7. Press the **↓** button until the head resistance setup value matches your actual head resistance value (which was written down from the previous section).

<u>Head Resistance Setup Value</u>	<u>Actual Head Resistance Value</u>
0	561-600
1	601-640
2	641-680
3	681-720
4	721-759

8. Press the **'ENTER'** button (to accept the new head setup value).
9. Press the **'QUIT'** button (2) times.
10. Verify proper functionality by printing a test coupon (*refer to the Operations and/or Maintenance Manuals if you need additional information*).