

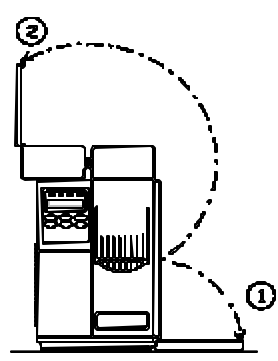
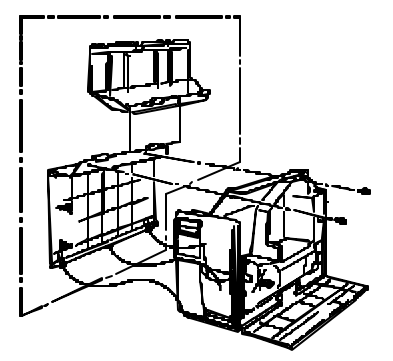
SIGMA DATA 7200 CLUTCH ASSEMBLY REPLACEMENT INSTRUCTIONS

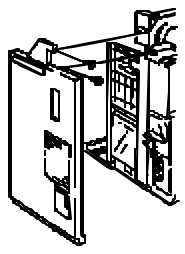
Tools Required:

No.2 Phillips screwdriver, 3/16" Nut Driver, and Wire Cutters
 Wrist strap (or similar device) for ESD grounding

To Prepare the Printer for Maintenance:

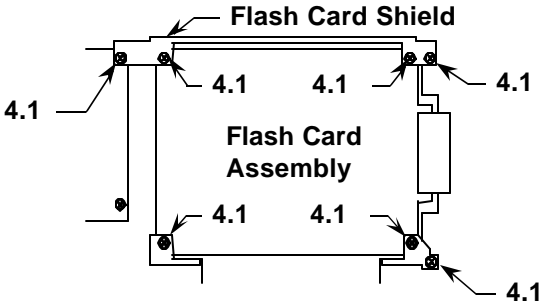
1. Verify that all replacement parts and tools are present.
2. Turn off the power switch, unplug the AC power cord, and disconnect all communication and interface cables.

<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>4. Remove the Service Cover by removing the two M3 Phillips screws holding the Service Cover to the upper frame of the printer (Fig. 2).</p>	 <p>Fig. 1</p>	 <p>Fig. 2</p>
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<p>5. Loosen or remove two M3 Phillips screws, located on the topline of the Back Panel, and remove the Back Panel from the printer.</p>	 <p>Fig. 3</p>
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To Replace the Clutch Assembly:

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

<p>6. Remove seven M3 Phillips tapping screws [4.1] from the Flash Card Assembly and the Flash Card Shield then remove the Flash Card Assembly from the Main PCB Assembly.</p>	 <p>Fig. 4</p>
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7. Disconnect the four-pin Power Supply Connector [5.3] from the Main PCB Assembly then remove five M3 Phillips screws [5.4] and one M3 Phillips tapping screw [5.5] from the Power Supply Shield [5.6]. Remove the Flash Card Shield [6.7] from the Power Supply Shield [5.6].



Fig. 5

8. Disconnect the four-pin CN2 Connector [6.8] from the Power Supply Unit [6.9].
9. Remove two M3 Phillips screws [6.10] (located on the upper and lower left corners) and two M3 Phillips tapping screws (the longer screw [6.11] and the shorter screw [6.12]) from the Power Supply Unit. Then carefully remove the Power Supply and disconnect the five-pin CN1 Connector [6.13] from the Power Supply Unit.
10. Remove the M3 Phillips screw [7.14] and the Power Supply EMI Shield [7.15] from the printer.

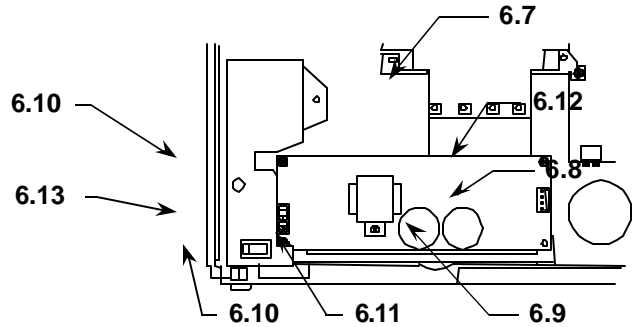


Fig. 6

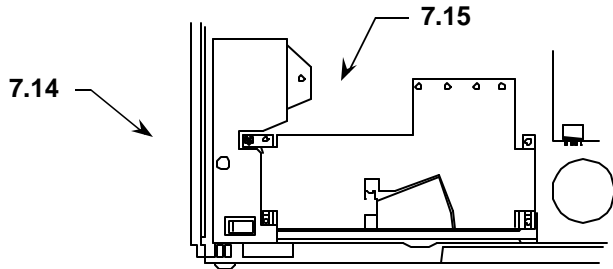


Fig. 7

11. Remove the M3 Phillips screw [8.16] from the Chassis Ground Cable Assembly [8.17] located on the top part of the Fan Bracket Assembly [8.18]. Then remove two M3 Phillips screws [9.19] from the back and the M3 Phillips tapping screw [9.20], located through a special clearance hole [9.21] on the Fan Bracket Assembly.
12. Lift out the Fan Bracket Assembly and carefully disconnect the Fan Connector Cable from the Host RS232 Input PCB Assembly [10.22]. **IMPORTANT:** Note the routing and orientation of the Fan Connector Cable prior to disconnecting from the Host RS232 Input PCB Assembly.

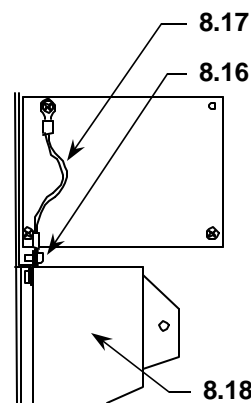


Fig. 8

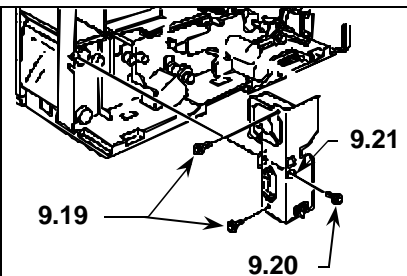


Fig. 9

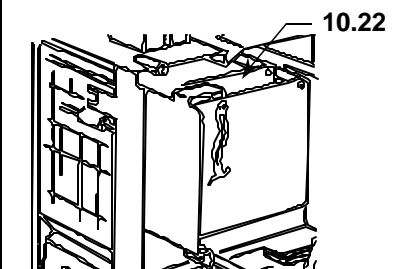


Fig. 10

13. Remove two M3 Hex Jack screws [11.23], and the corresponding M3 Hex nuts [11.24].

14. Remove one M3 Phillips screw [11.25], one M3 Phillips tapping screw [11.26] and the Downline Interface PCB Assembly [11.27] from the Interface Bracket [11.28].

15. Disconnect the ribbon cable [11.29] from the Downline Interface PCB Assembly to remove the PCB completely.

16. Remove four M3 Phillips tapping screws [11.30] from the Host RS232 Interface PCB Assembly. With the Interface Bracket attached to the Host RS232 Interface PCB Assembly, disconnect the 40 pin flat ribbon Interface Cable first and carefully disconnect all of the remaining cables from the connectors. Remove the PCB/Bracket Assembly. **IMPORTANT: Note the location and orientation of all of the cables prior to disconnecting the connectors from the PCB Assemblies.**

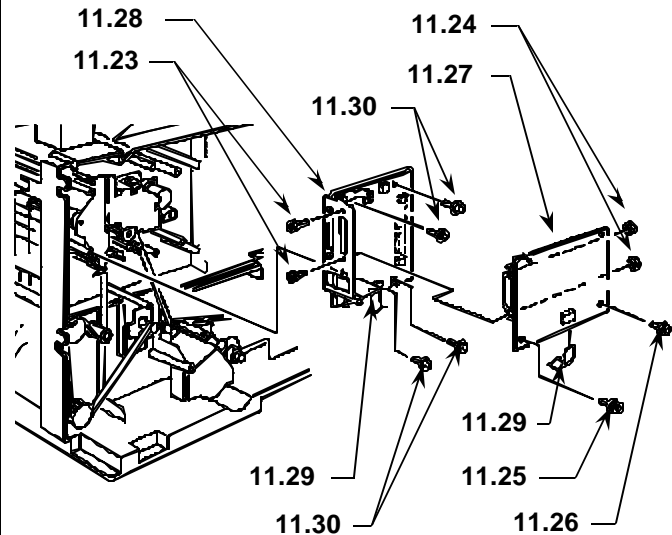


Fig. 11

15. Remove three (long) M3 Phillips screws [12.31], and one M3 Phillips tapping screw [12.32] from the Clutch Assembly [12.33].

16. Remove the two cable ties clamped around the three Bin Clutch cables on the Clutch Assembly Bracket, then and the Clutch Assembly from the printer chassis.

IMPORTANT: Avoid any cuts or abrasions to cable wires when cutting away cable ties from cables and note the location of each cable and cable tie prior to removal.

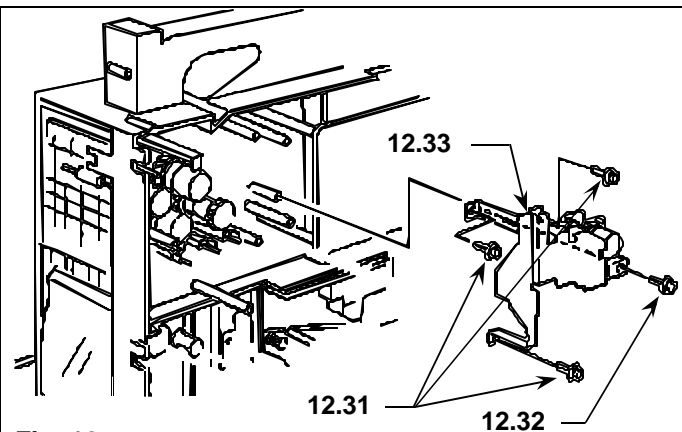


Fig. 12

17. Install the new Clutch Assembly to the printer chassis with the three (long) M3 Phillips screws and the M3 Phillips tapping screw, then attach the cables from the three Bin Clutches to the new Clutch Bracket with the new cable ties provided.

18. Reassemble all parts previously removed in reverse order.

19. Close the Upper Right Side Cover then close and lock the Lower Right Side Cover.

20. Reconnect all communication and interface cables, plug-in the AC power cord and turn on the power switch.

21. Verify proper functionality by printing a test coupon from each bin location (*refer to the Operations and/or Maintenance Manuals if you need additional information*).