SM500F
Field mountable videographic recorder
Door assembly replacement

1 Introduction
This publication details replacing an SM500F Videographic Recorder's door assembly. The procedure must be carried out by a trained technician.

The contents of the replacement kits are shown in Table 1.1 (color display) and Table 1.2 (monochrome display), respectively.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Assembly</td>
<td>SM500/0052</td>
<td>1</td>
</tr>
<tr>
<td>Slotted Spring (Bissel) Pin</td>
<td>B11344</td>
<td>2</td>
</tr>
<tr>
<td>Screw</td>
<td>B12406</td>
<td>2</td>
</tr>
<tr>
<td>Information Sheet – Door Assembly Replacement</td>
<td>INF08/001</td>
<td>1</td>
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*Table. 1.1 Door Assembly (Color Display) Replacement Kit SM500/0722*

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*Table. 1.2 Door Assembly (Monochrome Display) Replacement Kit SM500/0723*

2 Tools Required
- No. 2 Pozidriv screwdriver
- T8 Torx driver

3 Door Assembly Replacement

Caution. The recorder is vulnerable to electrostatic damage. Wear an anti-static strap or place the recorder on an anti-static workbench.

1. Disconnect the recorder from the power supply.

Continued…
2. Referring to Fig. 3.1:
   a. Unlock the door with the key [A], press the release catch [B] and open the door.
   b. Remove the tamper-evident seal (if fitted), release the captive screw [C] securing the inner cover plate and remove the plate.
   c. Remove the two Torx screws [D] securing the cable clamp and remove the cable clamp.

3. Referring to Fig. 3.2, disconnect the processor board flexi-cable from the motherboard.
4. Referring to Fig. 3.3, remove the slotted spring (Bissel) pins, remove the door assembly and place it face down on the work surface.

![Fig. 3.3 Removing the Door Hinge Pins](image)

5. Referring to Fig. 3.4, remove the 6 Torx screws \( E \) securing the door assembly rear cover and remove the rear cover.

![Fig. 3.4 Removing the Rear Cover](image)

Continued…
6. Referring to Fig. 3.5, disconnect the keypad membrane cable F from the processor board.

![Fig. 3.5 Disconnecting the Keypad Membrane Cable](image1)

7. Referring to Fig. 3.6, remove the 4 Torx screws G securing the display mounting plate and remove the plate, complete with the display, ensuring that the keypad membrane cable clears slot H in the display mounting plate.

![Fig. 3.6 Removing the Display Mounting Plate and Display](image2)
8. Place the new door assembly face down on the work surface and, referring to Fig. 3.7, route the keypad membrane cable through the slot in the display mounting plate and position the plate in the door assembly.

9. Referring to Fig. 3.6, secure the display mounting plate to the door using the 4 Torx screws (G).

10. Referring to Fig. 3.5, reconnect the keypad membrane cable (F).

11. Referring to Fig. 3.4, refit the door assembly rear cover and secure it using the 6 Torx screws (E).

12. Referring to Fig. 3.3, align the hinges on the door assembly with the hinge lugs on the case and secure using the 2 slotted spring (Bissel) pins.

13. Referring to Fig. 3.2, reconnect the processor board flexi-cable to the motherboard.

14. Referring to Fig. 3.1:
   a. Refit the cable clamp and secure it with the 2 Torx screws (D).
   b. Refit the inner cover plate, ensuring that lugs (K) are located correctly in the slots in the case and secure with the captive screw (C). Refit the tamper-evident seal (if required).
   c. Close and lock the door.

15. Restore the power supply to the recorder.
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ABB Limited
Measurement & Analytics
Howard Road
St. Neots
Cambridgeshire
PE19 8EU
UK
Tel: +44 (0)1480 475 321
Fax: +44 (0)1480 217 948
Email: instrumentation@gb.abb.com

ABB Inc.
Measurement & Analytics
125 E. County Line Road
Warminster
PA 18974
USA
Tel: +1 215 674 6000
Fax: +1 215 674 7183

abb.com/measurement