

|   |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
|---|---------------------|--------|----------------------|--|--|--|---|---|---|--|----------------|---|------------|-----------------|-----|
| CHAP  | 5                   | SP 518 | SERVICING PROCEDURES | AP 101B-1000-5A3 E<br>Section 1<br>(1st Edition) |  |  |   |   |   |  |                |   |            |                 |     |
| TRADE   | FLT SYST            |        | LIGHTNING            |  |  |  |   |   |   |  |                |   |            |                 |     |
| SHEET   | 1                   | OF 2   | SHEET/S              |  |  |  | 3 | 5 | 6 | AL NO 12   | DATE           |   |            |                 |     |
| TITLE   | FCS Rudder Actuator |        |                      |  |  |  |   |   |   | SERVICING RECORD<br>AC NO . . . . . DATE . . . . . |                |   |            |                 |     |
| Safety and Servicing Notes are to be complied with throughout the work detailed on this Card.   |                     |        |                      |  |  |  |   |   |   | (1)  | (2)            | (3)   | (4)        | (5)             |     |
| <u>Special Tools and Equipment</u><br><br>Test Set Type 11.<br>Ground Rigs Hydraulic.   |                     |        |                      |  |  |  |   |   |   | MAN HOURS  | TRADESMAN INIT | BRIEF DETAILS OF DEFECT OR SUSPECTED DEFECT | F. 720B NO | N.C.O. INITIALS |     |
| NB This Procedure is applicable only if a serviceable component is replaced in a known serviceable system.                            |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| FLT SYST  |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 1. Preparation  |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 1.1 Control surfaces Ensure unobstructed.   |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 1.2 Hydraulic ground rigs. (i) Connect to aircraft. (ii) Set to 'ON'.   |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 1.3 Type 11 test set. (a) Test set. Connect to aircraft test sockets. (b) Yaw rate gyro. Select. (c) Deflection switch. Set to 'MAX'. |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 1.4 External power supplies. (A.c. and d.c.). (i) Connect to aircraft. (ii) Set to 'ON'.  |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 2. Testing  |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 2.1 Instrument master switch. ) Set to 'ON'.  |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 2.2 MRG On/Off switch. )  |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| 2.3 PCU. (a) Master switch. Set to 'ON'. (b) Stab switch. Set to 'STAB'. (c) Supplies M1. Ensure shows Black.                         |                     |        |                      |  |  |  |   |   |   |  |                |   |            |                 |     |
| SMS/80/453/48   |                     |        |                      |  |  |  |   |   |   | Continued  |                |   |            | SP NO           | 518 |

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|--|-----|-----------|-----------------------------------|--|--------------------------------|-----|-----|-----|-----|
| CHAP   | 5   | FLT SYST  | SERVICING PROCEDURES<br>LIGHTNING |  | AP101B-1000-5A3 E              |     |     |     |     |
| SP NO  | 518 | CONTINUED |                                   |  | Section 1                      |     |     |     |     |
| SHEET  | 2   | AL 12     |                                   |  | (1st Edition)                  |     |     |     |     |
| Safety and Servicing Notes are to be complied with throughout the work detailed on this card.  |     |           |                                   |  | AC NO . . . . . DATE . . . . . |     |     |     |     |
|  |     |           |                                   |  | SERVICING RECORD               |     |     |     |     |
|  |     |           |                                   |  | (1)                            | (2) | (3) | (4) | (5) |
| <p style="text-align: center;">FLT SYST</p> <p>2. <u>Testing</u> (Contd)</p> <p>2.4 Type 11 test set press to deflect switch. Operate.</p> <p>2.5 Rudder trailing edge. Ensure moves to Starboard and then decays to neutral.</p> <p>2.6 Type 11 test set press to deflect switch. Release.</p> <p>2.7 Rudder trailing edge. Ensure moves to Port then decays to neutral.</p> <p>2.8 Dither setting. Carry out SP379.</p> <p>2.9 PCU.</p> <p>(a) Stab switch. )</p> <p>(b) Master switch. ) Set to 'OFF'.</p> <p>2.10 Instrument master switch. )</p> <p>2.11 MRG On/Off switch. ) Set to 'OFF'.</p> <p>3. <u>General</u></p> <p>3.1 External power supplies. (i) Set to 'OFF'.<br/>(ii) Disconnect and remove from aircraft.</p> <p>3.2 Type 11 test set. Disconnect from aircraft test socket.</p> <p>3.3 Hydraulic ground rigs. (i) Set to 'OFF'.<br/>(ii) Disconnect and remove from aircraft.</p> |     |           |                                   |  |                                |     |     |     |     |
|  |     |           |                                   |  |                                |     |     |     |     |

SMS 17A

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