

## Chapter 10 WEAPONS SYSTEM PERFORMANCE RECORDING SYSTEM

## LIST OF CONTENTS

|   | <i>Para</i> |
|---|-------------|
| <i>Standard weapons system performance</i>          |             |
| <i>recording system</i> ...     ...     ...     ... | 1           |
| <i>Martel weapons system performance</i>            |             |
| <i>recording system</i> ...     ...     ...     ... | 2           |

## LIST OF APPENDIXES

*A list of appendixes appears at the end of this chapter.*

#### Standard weapons system performance recording system

1. The standard weapons system performance recording system on this aircraft is similar to that described in AP 101B-1202-1B, Cover 2, Sect 7, Chap 10, except that pressure bung C/N11 is replaced by plug and socket breaks. This results in the cable from terminal E6 on panel C-S to the control and release computer N-BS being routed through pin P of C/N49. Wiring details are shown in the appropriate diagrams in Sect 17 of the SDM.

#### Martel weapons system performance recording system

2. If there is a requirement to evaluate the results of Service proof firing of the Martel

missile, the aircraft can be equipped with a Martel weapons system performance recording system by the fitment of the appropriate equipment. Installation of this equipment — which is used exclusively in the Martel missile role — is described in Sect 12, Chap 5G, and includes a Mk 3 (Mod 5352) or a Mk 2 (Mod 5290) weapons system performance recording unit in place of the standard unit, together with appropriate cable assemblies.

3. Appendix 1 of this Chapter contains information about the Mk.2 WSPRU and its associated wiring differences.

4. The Mk.3 WSPRU, Ref No.1270-99-649-2147 is similar to that used in the standard recording system (*Para* 1) and described in A.P 101B-1202-1B, Cover 2, Sect 7, Chap 10. The connection to plug R-FN/4 on the unit is modified by a special cable assembly which provides interconnection with the Martel signals conversion unit (*Sect* 20, *Chap* 5).

5. With the exception of the automatic calibrating mode — which is not available — operation of the system, as appropriate, is the same as that described in A P 101B-1202-1B, Cover 2, Sect 7, Chap 10.

RESTRICTED

A.P.101B-1202-1C, Sect.17, Chap.10  
A.L.53, July 79

LIST OF APPENDIXES

|  | <i>App</i> |
|--|------------|
| <i>Martel weapons system performance<br/>recording system (Mod 5290)</i> | ... .. 1   |

RESTRICTED

**Appendix 1 MARTEL WEAPONS SYSTEM PERFORMANCE RECORDING SYSTEM (Mod 5290)**

1. A Mk.2 WSPRU, Ref No.4920-99-964-6293 may be fitted to the aircraft by SOO Mod 5290 and the connections to plugs R-FN/3 and R-FN/4 are modified by special cable assemblies; the wiring differences are shown in the appropriate diagram in Sect 17 of the SDM. With these exceptions the information in this Chapter relating to the Martel weapons system performance recording system is applicable. The Part No. of the two special cable assemblies involved and the equipment installation procedure are detailed in Sect 12, Chap 5G.