

SECTION 5
CHAPTER 1

ELECTRICAL SYSTEM

Note - A list of Services is given overleaf

SEC
5
CHA
1

Chapter 1

ELECTRICAL SYSTEM

LIST OF SERVICES

GENERAL INFORMATION - A		Group	Group		Group
<i>System details</i>	A.1		<i>Fuel filter de-icing (Code EFD)</i> ...	C.5	
<i>Removal of junction boxes, panels and shelves</i>	A.2		<i>Emergency fuel pump (Code EF)</i> ...	C.6	
<i>Location of equipment</i>	A.3				
POWER SUPPLY SERVICES - B		FLYING SERVICES - D		INSTRUMENT SERVICES - E	
<i>Generators and batteries (Code GA)</i> ...	B.1	<i>Rudder and aileron trim controls (Code R and A)</i>	D.1	<i>A.C. supplies and control (Code CH)</i> ...	E.1
ENGINE SERVICES - C		<i>Elevator and aileron power controls (Code PE and PA)</i>	D.2		
<i>Engine starting (Code SA)</i> ...	C.1	<i>Tail plane control (Code T)</i> ...	D.3		
<i>Fire warning and extinguisher (Code FW and FE)</i> ...	C.2	<i>Flap control (Code F)</i> ...	D.4		
<i>Tank pumps, failure warning and pressure refuelling (Code BP, PF and PR)</i> ...	C.3	<i>Hood control (Code HC)</i> ...	D.5		
<i>Engine anti-icing (Code EA)</i> ...	C.4	<i>Cabin pressurization and temperature control (Code CP)</i> ...	D.6		
		<i>Alighting gear and air brake control (Code UC and AB)</i> ...	D.7		
		<i>Parachute brake (Code TC)</i> ...	D.8		
		◀ <i>Autostabilizer (Code AS) (pre Mod. 1376)</i> ...	D.9 ▶		
		<i>Arresting hook control (Code AG)</i> ...	D.10		
RADIO SERVICES - H				LIGHTING SERVICES - F	
				<i>Cabin lighting (Code M)</i> ...	F.1
				<i>Navigation lamps (Code N)</i> ...	F.2
				<i>Servicing lamps (Code L)</i> ...	F.3
ARMAMENT SERVICES - G					
				<i>Armament supplies and control (Code GF*, BS*, BR, BF, BJ, JG and RP)</i> ...	G.1
RADIO SERVICES - H					
				◀ <i>Radio and radar supplies (Code RT, TR and IF)</i> ...	H.1 ▶

Introduction

1. This chapter contains descriptive and servicing information on the aircraft electrical system. The chapter is divided into a number of self-contained groups of information, beginning with general information groups covering the system as a whole and embodying system wiring details, identification and general servicing of the components. Illustrations showing

the removal of the major junction boxes and panels, together with a master index of all the components employed in the system and illustrations showing the location and access to the equipment are also included in these groups. The remaining groups are arranged according to their function, being referenced by the group letter and a number together with code letters

of the circuit concerned as given in the list of services. Each group is complete with a list of contents and embodies a description of the circuit or circuits concerned, together with routing and theoretical diagrams and the necessary servicing information, which includes testing in-situ and the removal of the equipment where required.

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A close-up photograph of an aircraft's fuselage. The upper portion is painted red with several small, dark rivets visible. A vertical strip of blue material, possibly a cover or a different panel, runs diagonally across the frame. On this blue panel, the text 'LIGHTNING MK. 1', 'COVER PILOT HEAD', and 'EB2-88-5711' is printed in black. To the right of the blue panel is a small, dark, rectangular metal plaque with four small holes, likely a placeholder for a serial number. The overall condition of the aircraft appears aged and worn.

LIGHTNING MK. 1
COVER PILOT HEAD
EB2-88-5711