

**SECTION 3**

**BATTERY CHARGING ROOM EQUIPMENT**

**SECTION 3  
BATTERY CHARGING ROOM EQUIPMENT****CONTENTS**

(Completely Revised)

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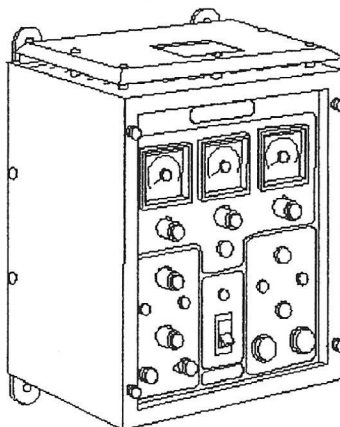
**SECTION 3**

**BATTERY CHARGING ROOM EQUIPMENT**

**CHAPTER 1 - BATTERY CHARGERS**

**CHARGER BATTERY CASTLET TYPE 9**

(Completely Revised)



<b>REFERENCE No</b>	5P	1984021	<b>ASSOCIATED PUBLICATIONS</b>
<b>MAINTENANCE CATEGORY</b>	ELECTRICAL EQUIPMENT		119F-0010-5F 120C-0114-123
<b>AFDSEC SCALE No</b>	2476		
<b>IDENTIFIER CODE</b>	N/A		<b>ROS</b> <b>ROS</b>
<b>SUPPORT AUTHORITY</b>	SM36D(RAF)		<b>MAGERD</b> N/A

**LEADING PARTICULARS**

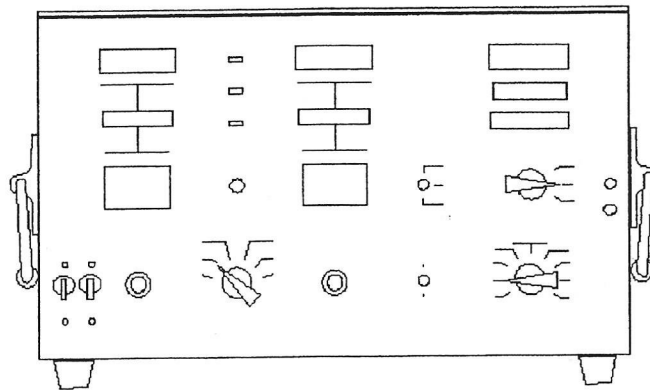
	LENGTH	WIDTH	HEIGHT	WEIGHT
<b>OPERATIONAL</b>	300	340	430	50
<b>STORAGE</b>	300	340	430	50
<b>UNIT OF MEASUREMENT</b>	MM	MM	MM	KG

**BRIEF DESCRIPTION**

The Castlett Type 9 is a wall mounted multi-purpose battery charger suitable for charging lead acid and nicad batteries up to a terminal voltage of 40V. The charger is able to supply an output current of up to 20A continuously. The charger is controlled automatically to operate in constant potential (CP) or constant current (CC) mode.

**BATTERY CHARGER CHRISTIE RF80K**

(Completely Revised)



<b>REFERENCE No</b>	5P 6130 99 0206592	<b>ASSOCIATED PUBLICATIONS</b>
<b>MAINTENANCE CATEGORY</b>	ELECTRICAL EQUIPMENT	119F-0010-5F 120C-0113-0
<b>AFDSEC SCALE No</b>	2400	
<b>IDENTIFIER CODE</b>	N/A	<b>ROS</b> <b>ROS</b>
<b>SUPPORT AUTHORITY</b>	SM36D2(RAF)	<b>MAGERD</b> <b>N/A</b>

**LEADING PARTICULARS**

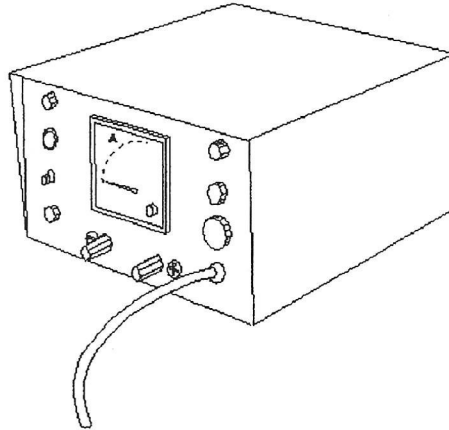
	<b>LENGTH</b>	<b>WIDTH</b>	<b>HEIGHT</b>	<b>WEIGHT</b>
<b>OPERATIONAL</b>	529	471	279	66
<b>STORAGE</b>	529	471	279	66
<b>UNIT OF MEASUREMENT</b>	MM	MM	MM	KG

**BRIEF DESCRIPTION**

The Christie RF 80-K charges vented nickel cadmium, vented lead acid and sealed lead acid aircraft batteries. The charger can operate in the constant current mode (1 - 65 amps DC adjustable), the reflex mode (2-80 amps DC adjustable) or the constant potential mode (1 - 65 amps DC adjustable). A constant current discharge facility allows batteries to be discharged to a pre-set end point voltage allowing battery useful capacity to be accurately determined. An input supply of 220/240V 50Hz 23A 1ph is required.

**CHARGER BATTERY MT1**

(Completely Revised)



<b>REFERENCE No</b>	51AF	7873726	<b>ASSOCIATED PUBLICATIONS</b>	
<b>MAINTENANCE CATEGORY</b>	ELECTRICAL EQUIPMENT		119F-0010-5F	
			215-3401-6A	
<b>AFDSEC SCALE No</b>				
<b>IDENTIFIER CODE</b>	N/A		<b>ROS</b>	<b>ROS</b>
<b>SUPPORT AUTHORITY</b>	SM36D2(RAF)		<b>MAGERD</b>	N/A

**LEADING PARTICULARS**

	<b>LENGTH</b>	<b>WIDTH</b>	<b>HEIGHT</b>	<b>WEIGHT</b>
<b>OPERATIONAL</b>	31	15	22	10
<b>STORAGE</b>	31	15	22	10
<b>UNIT OF MEASUREMENT</b>	CM	CM	CM	KG

**BRIEF DESCRIPTION**

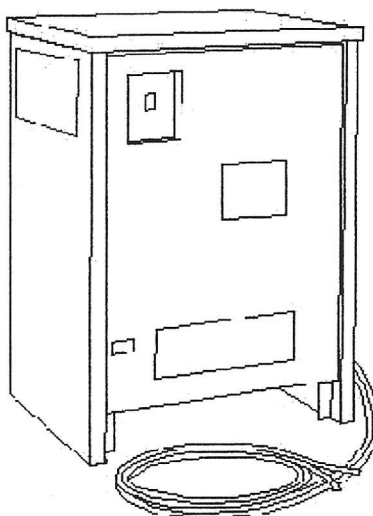
This charger is designed to charge two 4VDC batteries in series that are used on the Watchman Target Indicator. The unit comes complete with carrying case.

Additional Information.

Power Requirements - 110/220/240V selectable  
Output Range - constant voltage 0 - 10A automatic  
Type of charging - constant current

**CHARGER BATTERY TYPE RD 90**

(Completely Revised)



<b>REFERENCE No</b>	5P	6130	99	7223073	<b>ASSOCIATED PUBLICATIONS</b>
<b>MAINTENANCE CATEGORY</b>	ELECTRICAL EQUIPMENT				119F-0010-5F 120C-0109-1
<b>TSGSEA No</b>					
<b>IDENTIFIER CODE</b>	N/A				<b>ROS</b> ROS 0542 <b>ROS</b>
<b>SUPPORT AUTHORITY</b>	AS6D				<b>MAGERD</b> N/A

**LEADING PARTICULARS**

	LENGTH	WIDTH	HEIGHT	WEIGHT
<b>OPERATIONAL</b>				
<b>STORAGE</b>				
<b>UNIT OF MEASUREMENT</b>				

**BRIEF DESCRIPTION**

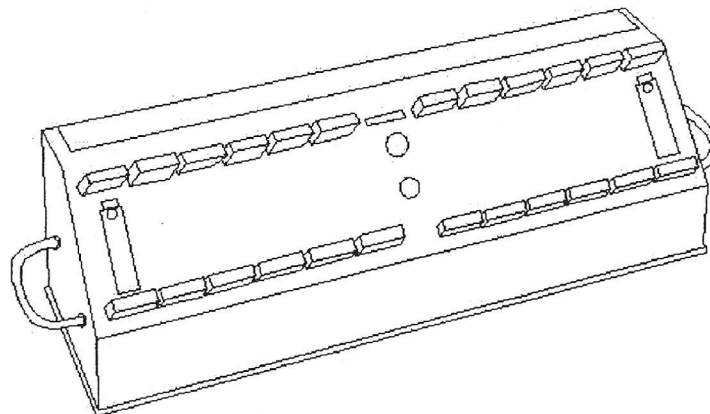
The type RD90 battery charger is used to charge lead/acid traction batteries with 6 - 48 cells, from a nominal 240VAC, 1ph,50Hz mains power supply. The charger can be obtained with 2 case sizes, dependant upon the output current rating. Size 1 cases have output ratings of 10 - 225A and size 2 cases have output ratings of 35 - 225A. These rating are dependant on the number of battery cells. The charger is designed to detect and indicate various faults and incorporated an automatic cell equalising facility and test circuits in the solid state control circuit. dependant upon the battery capacity, recharge times are between 7.5 - 14hrs.

**Additional Information.**

Size 1 case: Weight - 60 kg Height - 756mm Depth - 410mm Width - 410mm  
 Size 2 case: Weight - 70 kg Height - 756mm Depth - 486mm Width - 543mm

**CHARGER BATTERY TYPE C3A40 MK3**

(Completely Revised)



<b>REFERENCE No</b>	5P 6130 99 1098992	<b>ASSOCIATED PUBLICATIONS</b>
<b>MAINTENANCE CATEGORY</b>	ELECTRICAL EQUIPMENT	119F-0010-5F 120C-0105-1
<b>TSGSESA No</b>		
<b>IDENTIFIER CODE</b>	N/A	<b>ROS</b> ROS 0149 <b>ROS</b>
<b>SUPPORT AUTHORITY</b>	AS6D	<b>MAGERD</b> N/A

**LEADING PARTICULARS**

	<b>LENGTH</b>	<b>WIDTH</b>	<b>HEIGHT</b>	<b>WEIGHT</b>
<b>OPERATIONAL</b>	508	168	171	7
<b>STORAGE</b>	508	168	171	7
<b>UNIT OF MEASUREMENT</b>	MM	MM	MM	KG

**BRIEF DESCRIPTION**

This battery charger is designed to charge up to 12 DEAC batteries type 12/225 DKZ. A constant current of 22.5mA per battery is maintained throughout the charging period. Power at 200/250V 50Hz 1ph is required.

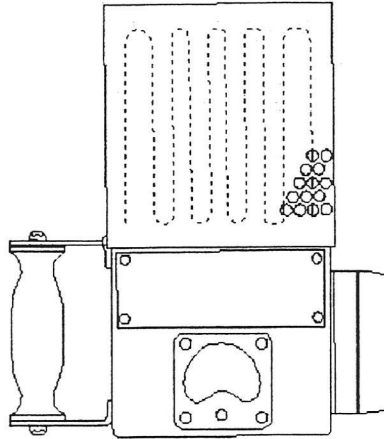
**SECTION 3**

**BATTERY CHARGING ROOM EQUIPMENT**

**CHAPTER 2 - TEST EQUIPMENT**

**TESTER BATTERY 24 VOLT**

(Completely Revised)



<b>REFERENCE No</b>	5G 6625 99 4411717	<b>ASSOCIATED PUBLICATIONS</b>
<b>MAINTENANCE CATEGORY</b>	GPETME	100E-10 CHT8 120C-0202-1
<b>TSGESA No</b>		
<b>IDENTIFIER CODE</b>	N/A	<b>ROS ROS</b>
<b>SUPPORT AUTHORITY</b>	TEMO(E)	<b>MAGERD N/A</b>

**LEADING PARTICULARS**

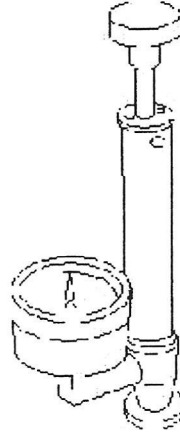
	LENGTH	WIDTH	HEIGHT	WEIGHT
<b>OPERATIONAL</b>				
<b>STORAGE</b>				
<b>UNIT OF MEASUREMENT</b>				

**BRIEF DESCRIPTION**

This hand held tester is used to test the discharge capability of battery start trolleys. It consists of a voltmeter connected across a heavy duty very low resistance load. The trolley under test is connected via a standard starter socket.

**BATTERY LEAKAGE TEST KIT**

(Completely Revised)



**REFERENCE No** 5J 6140 99 4335341 **ASSOCIATED PUBLICATIONS**  
 100E-10 CHT8

**MAINTENANCE CATEGORY** MINOR

**TSGSEA No**

**IDENTIFIER CODE** N/A **ROS** **ROS**

**SUPPORT AUTHORITY** AVC-AVELSUP4A **MAGERD** 5317

**LEADING PARTICULARS**

	<b>LENGTH</b>	<b>WIDTH</b>	<b>HEIGHT</b>	<b>WEIGHT</b>
<b>OPERATIONAL</b>	102	204		1
<b>STORAGE</b>	102	204		1
<b>UNIT OF MEASUREMENT</b>	MM	MM	MM	KG

**BRIEF DESCRIPTION**

The tester consists of a combined hand pump and pressure gauge, calibrated 0-2psi. A nozzle adaptor fitted with a sealing ring can be pressed directly onto the battery vent hole with light hand pressure. A non-return valve on the pump enables pressure in the cell to be maintained.

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