QCX AUTO CF105 71 Maint 11-2



J.H. PARKIN BRANCH

JUN 8 1995

ANNEXE J. H. PARKIN CNRC - ICIST

Classification cancelled / Changed to UNCLASS

ARROW I

By authority of AVES

MAINTENANCE INSTRUCTIONS te

Unit / Rank / Appointment AMSS

LIGHTING - ELECTRICS

71/MAINT 11/2

7 October 1957

Prepared:

For Maintenance and Reliability

Section

Approved:

Approved:

Authorized:

ENGINEERING DIVISION, AVRO AIRCRAFT LIMITED, MALTON, ONTARIO



TABLE OF CONTENTS

Chapter	Para.	Subject	Page
1		DESCRIPTION	1
	1.1 1.2 1.3 1.4 1.5	General Front Cockpit Lighting Rear Cockpit Lighting Navigation Lights Landing and Taxi Lights	1 2 2 3
2		GROUND HANDLING EQUIPMENT	3
3		PREPARATION FOR TESTING	3
4		INTERNAL LIGHTS-FUNCTION TESTS	3
	4.1 4.2	Front Cockpit Lighting Rear Cockpit Lighting	3 5
5		EXTERNAL LIGHTS-FUNCTION TESTS	17
	5.1 5.2	Navigation Lights Landing and Taxi Lights	7
6		COMPLETION OF TEST	7
		<u>ILLUSTRATION</u> S	
	FIGURE I	Component Location	8
	FIGURE 2	Component Location	9
		COMPONENT DATA	
M.D.R.	11-E6/7 11-E6/10 11-E6/13 11-E10/3 11-E17/3 11-E17/4 11-E17/5 11-E17/9 11-E22/5 11-E26/4 11-E26/9 11-E102 11-E201 11-E202 11-E1503 11-E1504 11-E1155	Relay - U/C Door Up Relay-Taxi and Landing Lights Relay - Landing Light Switch - Taxi and Landing Light Front C/P Instrument Lights Control Front C/P Console Edge Lights Control Front C/P Console Flood Lights Control Switch-Front C/P High Altitude Flood Lig Switch - Navigation Light Rear C/P M.I.P. and Console Edge Light C Rear C/P Flood Light Control Switch Rear C/P High Altitude Flood Ligh Navigation Light Flasher Unit Landing Light Taxi Light Front C/P Front C/P Emergency Flood Ligh Rear C/P Emergency Flood Light Light - Wing Tip - Red	ontrol ts



Table of Contents (continued)

M.D.R.	11-E1156	Light - Wing Tip - Green
M.D.R.	11-E1158	Light - Fin Tip - White
M.D.R.	11-E1046	Light - Fin Tip - Red



1. DESCRIPTION

1.1 General

1.1.1 The internal lighting system consists of lighting circuits for the illumination of the front and rear cockpit instruments, switched and controls. The external lighting system consists of a navigation light circuit and a landing and taxi lights circuit. (Refer to Avro drawings 7-1100-3 sheets 12 and 13)

1.2 Front Cockpit Lighting

- 1.2.1 The front cockpit lighting is comprised of the following five circuits:
 - (a) Main instrument panel instrument lights (red)
 - (b) Main instrument panel and console edge lights (red)
 - (c) Console flood lights (red)
 - (d) Console high altitude flood lights (amber)
 - (e) Emergency flood light (clear)
- 1.2.2 The instrument lights, edge lights and console flood lights circuit, have individual dimming control through variable auto-transformers. The controls are marked MAIN PANEL, CONSOLE PANELS and CONSOLE FLOOD. The transformers and their controls are located on panel El7 in the RH console and they derive a power supply from the A phase of the primary A-C bus bars, via circuit breakers on the main circuit breaker panel El.
- 1.2.3 A dimming control is not provided for the console high altitude flood lights. The control switch for the lights is marked HIGH ALT LIGHTING and is located on panel E17. The circuit derives a power supply from the main D-C bus, via a circuit breaker located on the main circuit breaker panel E1.
- 1.2.4 The emergency flood light, located above the RH console, is provided with a rheostat dimming control incorporated, within the switch housing, which is in an integral part of the case. The circuit is supplied from the emergency D=C bus, via a circuit breaker on the main circuit breaker panel E1.



1.2.4 The emergency flood light, located above the RH console, is provided with a rheostat dimming control incorporated, within the switch housing, which is in an integral part of the case. The circuit is supplied from the emergency D-C bus, via a circuit breaker on the main circuit breaker panel El.

1.3 Rear Cockpit Lighting

- 1.3.1 The rear cockpit lighting is comprised of the following four circuits:
 - (a) Instrument edge lights (red)
 - (b) Console flood lights (red)
 - (c) Console high altitude flood lights (amber)
 - (d) Emergency flood light (clear)
- 1.3.2 The instrument lights, edge lights and console lights circuits have individual dimming control through variable auto transformers.

 A common dimming control is provided for the instrument lights and the instrument edge lights, a separate dimming control is provided for the console flood lights. The controls are marked PANEL LIGHTS and CONSOLE FLOOD. The transformers and their controls are located on panel E26 in the RH console and the derive a supply from the A phase of the primary A-C bus bars via circuit breakers on the main circuit breaker panel E1.
- 1.3.3 A dimming control is not provided for the console high altitude flood lights. The control switch for the lights is marked HIGH ALT LIGHTING and is located on panel E26.

 The circuit derives a power supply from the main D-G bus via a circuit breaker on the main circuit breaker panel E1.
- 1.3.4 The emergency flood light, located above the RH console, is provided with a rheostat dimming control incorporated within the switch housing which is an integral part of the case.

 The circuit is supplied from the emergency D-C bus via a circuit breaker on the main circuit breaker panel El.

1.4 Navigation Lights

1.4.1 The navigation lights circuit comprises a red (LH) and a green (RH) wing tip light, a red (lower) and a white (upper) fin tip light, a flasher unit and a selector switch marked NAV LIGHTS, FLASH-OFF-STEADY. When the selector switch is set to the STEADY position, a power supply circuit derived from the main D-C bus is completed through the selector switch contacts to the four navigation lights.



1.4.1 Navigation Lights (continued)

When the switch is selected to FLASH, the flasher unit, located on the RH side of the nose wheel well adjacent to panel E3, is operative. The flasher unit will illuminate the wing tip lights and fin tip white light alternately with the fin tip red light. If the flasher unit fails, it will automatically rewent the wing lights and white fin light to a steady indication.

1.5 Landing and Taxi Lights

- 1.5.1 Two lights are fitted on the nose landing gear leg, one on the steering portion of the leg for taxi-ing, and the other on the fixed portion of the leg for landing. The selection and operation of the lights is controlled by a double-pole, double-throw switch marked TAXI-OFF-LANDING, located on the LH console in the front cockpit.
- 1.5.2 Two single-pole, single-throw relays control the supply circuit to the landing light and taxi light respectively. Selecting the control switch to the LANDING position will energize both relays. Selecting the switch to the TAXI position will energize only the taxi light control relay. The circuits derive their power supply from the D-C shedding bus. Shut-off control is also provided by the U/C door fully up relay to ensure that the lights are off when the nose U/C doors are closed.

2. GROUND HANDLING EQUIPMENT

2.1 A-C ground power unit.

3. PREPARATION FOR TESTS

- 3.1 Connect the A-C ground power unit to the aircraft.
- 3.2 Select the MASTER ELECTRICS switch to the ON position.

4. INTERNAL LIGHTS-FUNCTION TESTS

4.1 Front Cockpit Lighting

4-1-1 Main Instrument Panel

- 4.1.1.1 Ensure that the front cockpit instrument and edge lights circuit breaker, located on panel El, is closed.
- 4.1.1.2 Ensure that the main panel instrument light fuse, located on panel E17, is serviceable.



- 4.1.1.3 Select the front cockpit instrument light controller, located on panel E17, from OFF to BRIGHT. Observe the brilliancy of the following lights:
 - (a) Main instrument panel instrument lights (27)
 - (b) Main instrument panel edge lights (2)
 - (c) Standby compass edge light (1)
 - (d) Landing gear selector panel lights (4)
 - (e) Oxygen panel edge light (1)
- 4.1.1.4 Select the main instrument lights controller to the OFF position

4.1.2 Console Panel Edge Lights

- 4.1.2.1 Ensure that the front cockpit instrument and edge lights circuit breaker, located on panel El, is closed.
- 4.1.2.2 Ensure that the front cockpit console edge lights fuse, located on panel E17, is serviceable.
- 4.1.2.3 Select the front console edge lights controller from OFF to BRIGHT. Observe the brilliancy of the following lights:
 - (a) Front cockpit light switch panel E17 (4 edge lights)
 - (b) Air Conditioning panel E18 (3 edge lights)
 - (c) Power and Starting Panel E16 (2 edge lights)
 - (d) Oxygen panel E22 (3 edge lights)
 - (e) Master warning panel E15 (2 edge lights)
 - (f) Canopy and Light. Panel El0 (2 edge lights)
 - (g) Fire and Fuel Panel E14 (5 edge lights)
- 4.1.2.4 Select the front cockpit console edge lights controller to the OFF position.

4.1.3 Console Flood Lights

4.1.3.1 Ensure that the front cockpit console flood light circuit breaker, located on panel El, is closed.



- 4.1.3.2 Ensure that the front cockpit soncole flood light fuse, located on panel E17, is serviceable.
- 4.1.3.3 Select the front cockpit console flood light controller from OFF to BRIGHT position. Observe the brilliancy of the 3 left and 3 right front cockpit console flood lights.
- 4.1.3.4 Select the front cockpit console flood light controller to the OFF position.

4.1.4 High Altitude Flood Lights

- 4.1.4.1 Ensure that the high altitude flood light circuit breaker, located on panel El, is closed.
- 4.1.4.2 Select the front cockpit high altitude switch to the ON position. The two high altitude lights should illuminate.
- 4.1.4.3 Select the front cockpit high altitude switch to the OFF position.

4.1.5 Emergency Flood Light

- 4.1.5.1 Ensure that the front cockpit emergency light circuit breaker, located on panel El, is closed.
- 4.1.5.2 Select the switch for the front cockpit emergency flood light to ON and check that the front cockpit emergency flood light illuminates.
- 4.1.5.3 Select the front cockpit emergency flood light switch to the OFF position.

4.2 Rear Cockpit Lighting

4.2.1 Rear Cockpit Console Flood Lights

- 4.2.1.1 Ensure that the rear cockpit console flood light circuit breaker, located on panel El, is closed.
- 4.2.1.2 Ensure that the rear cockpit console flood light fuse, located on panel E26, is serviceable.
- 4.2.1.3 Select the rear cockpit console flood light controller from the OFF to the BRIGHT position.

 Observe the brilliancy of the 3 left and 3 right cockpit console flood lights.



4.2.1.4 Select the rear cockpit console flood light controller to the OFF position.

4.2.2 Main Instrument Panel and Console Edge Lights

- 4.2.2.1 Ensure that the rear cockpit edge light circuit breaker, located on panel El, is closed.
- 4.2.2.2 Ensure that the edge light fuse, located on panel E26 is serviceable.
- 4.2.2.3 Select the rear M.I.P. and Console edge light controller from the OFF to the BRIGHT position.

 Observe the brilliancy of the rear cockpit canopy panel E19 edge light (1) and the rear cockpit lighting panel E26 edge lights (2).
- 4.2.2.4 Select the rear M.I.P. and console edge light controller to the OFF position.

4.2.3 High Altitude Flood Light

- 4.2.3.1 Ensure that the high altitude flood light circuit breaker, located on panel El, is closed.
- 4.2.3.2 Select the rear cockpit high altitude switch to the ON position. The two high altitude lights should illuminate.
- 4.2.3.3 Select the rear cockpit high altitude switch to the OFF position.

NOTE

On the first aircraft, no high altitude flood lights will be fitted in the rear cockpit, and only 2 red flood lights will be fitted on the left side of the front cockpit.

4.2.4 Cockpit Emergency Flood Light

- 4.2.4.1 Ensure that the emergency cockpit lights circuit breaker, located on panel El, is closed.
- 4.2.4.2 Select the rear cockpit emergency flood light switch to the ON position and observe if the cockpit emergency flood light illuminates.
- 4.2.4.3 Select the rear cockpit emergency flood light switch to the OFF position.



5. EXTERNAL LIGHTS-FUNCTION TESTS

5.1 Navigation Lights

- 5.1.1 Ensure that the navigation lights circuit breaker, located on panel El, is in the closed position.
- 5.1.2 Select the navigation lights switch located in the front cockpit, to the STEADY position. The wing tip and fin tip lights should be illuminated.
- 5.1.3 Select the navigation light switch to the FLASH position.

 The wing tip and white fin tip lights should illuminate alternately with the red fin tip light.
- 5.1.4 Select the navigation light switch to the OFF position.

 The wing and fin tip lights should not be illuminated.

5.2 Landing and Taxi Lights

- 5.2.1 Ensure that the taxi and landing light circuit breaker, located on panel El, is in the closed position.
- 5.2.2 Select the landing and taxi light switch, located in the front cockpit, to the LAND position. The landing and taxi lights should illuminate.
- 5.2.3 To ensure that the landing and taxi light will go out when the undercarriage doors are closed, actuate the nose undercarriage door uplock micro-switch, left main undercarriage door uplock micro-switch and the right main undercarriage door uplock micro-switch.
- 5.2.4 Select the landing and taxi light switch to the TAXI position. The taxi light only should be illuminated.
- 5.2.5 Select the landing and taxi light switch to the OFF position.
 The landing and taxi lights should not be illuminated.

6. COMPLETION OF TEST

- 6.1 Select the MASTER ELECTRICS switch to the OFF position.
- 6.2 Disconnect the A-C Ground Power Unit from the aircraft.

CONFIDENTIAL 71/Maint 11/2

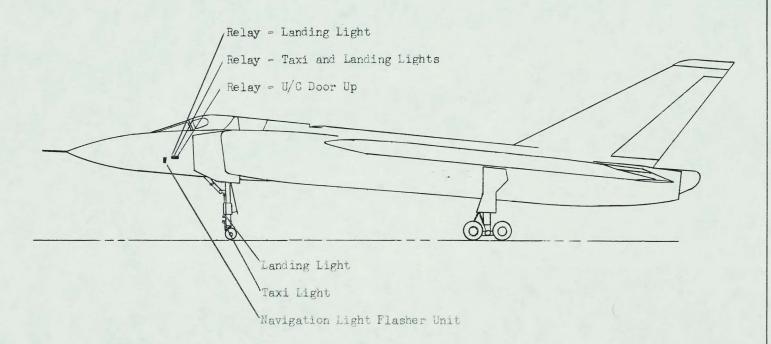


FIGURE I

COMPONENT LOCATION

Rear C/P Emergency Flood Light
Rear C/P MIP and Console Edge Light Control
Rear C/P Flood Light Control
Switch Rear C/P High Alt. Flood Light
Switch Taxi and Landing Light

FIGURE 2

COMPONENT LOCATION

MAINTE	NANCE DA	TA RECORD	SYSTEM ELECTRICS	REF. NO. 11-E6/
AVRO AIRCRA DISTRIBUTION: STANI S. Brown		Engineering Div. A/C TYPE - Arrow 1	COMPONENT Relay - U/C doc	
K. Knowlton		EFF. A/C - 25201		
MANUFACTURER'S PA	RT NO.		AVRO PART NO.	
MANUFACTURER'S NA	ME		MS25024-1	
AVROCAN SPEC.	E.O. NO			
ENVELOPE SIZE 2.6	525" x 2.687" x 3	.3 WEIGHT 0.8 LB.		
LOCATION Mounted wheel w		ated in the nose	7-1100-2 sht 10 7-1100-3 sht 10	
		se U/C door up micro illumination of the	REF. M.D.R.	
landing	g and taxi lights	while in flight.	RELIAB	LITY
nee v			OVERHAUL LIFE WASTAGE Q.T.R.	HR
INSPECTION		OPERATION TO BE PERFORM	IED	MEN × MINU
PERIOD				EST. AC
Primary	Function check 71/Maint 11/2)	(See Maintenance Instr	uctions Report	1 x 2
25 hrs.	Check security	of electrical connection of mounting	ons	1 x 5
La un de la company	No.		uit	
	× .	receive	t	
		ACCESSIBILITY		
	Remove panel E	66.		
f.				
		n _e eeee	ot .	
ISSUE	1			
DATE 18 Se	ept 57			
	Ventworth			
	Lowe			

		LUBRICATIO	Nil Nil	
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS
	0.14	10000	- Marco	The second of th
DETAILS:	and the same of			THE TRANSPORT OF THE AND
		GROUND SUPPORT	EQUIPMENT	
SPECIAL T	OOLS FOR AIRCRAFT			S FOR BENCH USE
Ni	1		Nil	
GROUNI	TESTING EQUIPMEN	r	GROUND HAND	LING EQUIPMENT
A-C Ground Power Unit INTERCHANGEABLE XX REMOVAL			Maintenance Platform 5G/1496 MEN × MINUT EST. ACT	
	4 mounting bol		move and Replace	1 x 20
\$44 549				
			latifor the state	7
			lactor	7

AVRO AIRCRAFT LTD.	E DATA RECORD Engineering Div.	ELECTRICS	REF. NO. 11-E6/10
S. Brown K. Knowlton	A/C TYPE - Arrow 1 EFF. A/C - 25201	component Relay - Taxi ar	nd Landing
MANUFACTURER'S PART NO. MANUFACTURER'S NAME AVROCAN SPEC.	E.O. NO.	AVRO PART NO.	=122
ENVELOPE SIZE 2.125" x 2.6	6" x 2.34" WEIGHT 0.44 LB.	7=1100=7	
taxi light switch to the	by selecting the landing and e land or taxi position l circuit to the taxi light.	REF. M.D.R.	
		RELIAB OVERHAUL LIFE 1: WASTAGE Q.T.R.	

..

INSPECT	OPERATION TO BE PERFORMED	MEN X	MEN × MINUTES	
PERIO	D	EST.	ACTUAL	
Primary	Function check. (See Maintenance Instructions Report 71/MAINT 11/2	1 x 2	1936	
25 Hrs.	Check security of electrical connection. Check security of mounting	1 x 2		
	Mounted on panel E6			
ISSUE	1			
DATE	27 Aug 57			
COMPILED	WO2 Wentworth			
CHECKED	J. Ferguson			

		LUBRICA	TION NIL		
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	
DETAILS:			The state of the s	The Land of the	
DETAILS:					
		GROUND SUPPOR	T EQUIPMENT		
SPECIAL	TOOLS FOR AIRCRAF	T USE	SPECIAL TOOLS	FOR BENCH USE	
NIL GROUND TESTING EQUIPMENT A/C Ground Power Unit			NIL		
		NT	GROUND HANDLI	NG EQUIPMENT	
			Cockpit access stand		
INTERCHANGEABLE	x			MEN × MINUTES	
REPLACEABLE		REMOVALI	NSTRUCTIONS	EST. ACTUA	
			Remove and replace	1 x 10	
			Remove and replace		
			Remove and replace		
			Remove and replace		

AVRO AIRCRA	NANCE D		ELECTRICS	11-E	5/13
		Engineering Div. A/C TYPE - ARROW 1	COMPONENT	111-0	7/ 1/
	JARD T		Com Onday		
S. Brown	1	EFF. A/C - 25201	Relay - Landing Light		
MANUFACTURER'S PA	RT NO.		AVRO PART NO.		
MANUFACTURER'S NA	ME.		CS_R_122		
			00-11-122		
AVROCAN SPEC.	E.O.	NO.			
ENVELOPE SIZE 2.]	25" x 2.6" x 2	2.34" WEIGHT 0.44 LB.	REF. DWGS.		
9	og er i færi -	_,	7-1100-2 Sht		
LOCATION MOU	inted on Panel	E6.	7-1100-3 Sht	.13	
FUNCTION When	energized by s	electing the landing ch to the land position,	REF. M.D.R.		
	etes the elect				
	ng light.		RELIAB	ILITY	
			OVERHAUL LIFE	1500	HRS.
			WASTAGE		
			Q.T.R.		
INSPECTION	INSPECTION OPERATION TO BE PERFORMED		n	MEN × MINUTES	
PERIOD		OFERATION TO BE FERFORME	٠.	EST.	ACTU
		A C C E S S I B I L I T Y			
		Unobstructed			
		Unobstructed			
		Unobstructed			
ISSUE	٦	Unobstructed			
ISSUE AUGUS	1 t. 27/57	Unobstructed			
DATE Augus	l t 27/57 entworth	Unobstructed			

MAINTENA	ANCE DA	TA RECORD	SYSTEM ELECTRICS	REF. I	
AVRO AIRCRAFT I		Engineering Div.			
DISTRIBUTION: STANDARD	+	A/C TYPE - Arrow 1	COMPONENT	- 10	
S. Brown		-1-1/2	Switch - Taxi and	Landin	g lig
K. Knowlton		EFF. A/C - 25201			
MANUFACTURER'S PART N	o. 8820I	KIO	AVRO PART NO.		
MANUFACTURER'S NAME	Cutt	ler Hammer			
AVROCAN SPEC.	E.O. NO).	2 /2		
ENVELOPE SIZE 1 5/16	"x 1 1/8" x 3	3/4" WEIGHT 0.10 LB.	7-1100-2 sht 4		
LOCATION Mounted on	panel E10 loc	cated in front cockpit.	7-1100-3 sht 13		
FUNCTION			REF. M.D.R.		
Provide switching for the landing and taxi lights			11-E10		
			RELIABILI	TY	
			OVERHAUL LIFE WASTAGE		HRS.
Control was 1			Q.T.R.		
INSPECTION		OPERATION TO BE PERFORME	D	MEN × M	INUTE
PERIOD		V		EST.	ACTU
*					
Primary	Function 71/Maint	n Check (See Maintenance I t 11/2)	Instructions Report	2 x 2	
25 hrs.		ecurity of electrical consecurity of mounting.	nections.	1 x 5	
\$. ⁴ 2			noscat		
6		ACCESSIBILITY	mest r		
	Unobstr	ucted.			
	Unobstr	ucted.			
1	Unobstr	ucted.	neurax		
<u>.</u>	Unobstr	ucted.	neurex		
ISSUE 1		ucted.	- notices		
DATE 18 Sept	57	ucted.	- 0015728		
	57 tworth	ucted.	000724		

• •

		LUBRICA	TION Nil		
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	
DETAILS:					

to the set	4	GROUND SUPPOR	RT EQUIPMENT	*	
SPECIAL '	TOOLS FOR AIRCRAF	T USE	SPECIAL TOOLS F	OR BENCH USE	
Nil		Nil			
GROUND TESTING EQUIPMENT			GROUND HANDLIN	G EQUIPMENT	
A-C Ground Po	ower Unit		Cockpit access stand		
INTERCHANGEABLE XX PENOVAL INSTRUCTIONS		MEN × MINUTE			
REPLACEABLE	1	REMOVAL	INSTRUCTIONS	EST. ACTU	
	nounting nut.	connections.			
			Remove and Replace	lx 10	

٠.

MAINTENANCE	DATA RECORD	SYSTEM ELECTRICS	REF.	NO.
AVRO AIRCRAFT LTD.	Engineering Div.	ELECTRICS		21,7 2
DISTRIBUTION: STANDARD +	A/C TYPE - Arrow 1	COMPONENT		,
S. Brown	EFF. A/C - 25201	Light Controller Instrument Lights		C/P
ANUFACTURER'S PART NO.		AVRO PART NO.		
MANUFACTURER'S NAME		CS-T-134		
	E.O. NO.			
ENVELOPE SIZE 2.75" x 2 1/	16" Dia. WEIGHT LB.	REF. DWGS.	cht. 7	
	E17 in front cockpit	7-1100-3		
FUNCTION By rotating swit control the brilliancy of	ch from off to bright, the C/P instrument lights.	REF. M.D.R.		
		RELIABII	LITY	
		OVERHAUL LIFE 150	00	HRS.
		Q.T.R.		
	4			
INSPECTION	OPERATION TO BE PERFORME	D.	MEN X I	MINUTE

•

INSPECTIO	ON	OPERATION TO BE PERFORMED	MEN X	MEN × MINUTES	
PERIOD			EST.	ACTUA	
Primary	Function 71/MAIN	n check (See Maintenance Instructions Report	1 x 2		
		to a second to a country	40.7		
25 Hr.	Check e.	lectrical connections for security. ecurity of mounting	1 x 2		
	Unobstr	accessibility ructed			
	1				
SSUE					
	26 Aug 57				
PATE	26 Aug 57 WO2 Wentworth				
SSUE DATE COMPILED CHECKED	26 Aug 57 W02 Wentworth J. Ferguson				

		LUBRICATI	ON NIL	
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS
		100		
DETAILS:				
		GROUND SUPPORT	EQUIPMENT	
SPECIAL	TOOLS FOR AIRCRAFT			OLS FOR BENCH USE
	NIL			NIL
GROUN	ND TESTING EQUIPMEN	т	GROUND HA	NDLING EQUIPMENT
		REMOVAL INS		MEN X MINUTES EST. ACTUA
1. I		ctrical connection		EST. ACTUA
	Disconnect 3 ele- Remove 1 mounting	ctrical connection	ons.	EST. ACTUA
1. I	Disconnect 3 ele-	ctrical connection	ons.	EST. ACTUA

٠.

MAINT	NANCE	DATA RECORD	SYSTEM ELECTRICS	REF.	NO.
AVRO AIRCR	FT LTD.	Engineering Div.			
S. Brown		A/C TYPE - Arrow 1 EFF. A/C - 25201	COMPONENT Light Controller Console Edge Lig		C/P
MANUFACTURER'S PA	ART NO.		AVRO PART NO.		
MANUFACTURER'S NAME			CS-T-134	*	
AVROCAN SPEC. E3	52 E	.o. no.			
envelope size 2.	75" x 2 1/16	Dia. WEIGHT LB.	REF. DWGS. 7=1100=2		
LOCATION Mount	ed on panel I	E17 in front cockpit	7=11.00=3	sht 12	
control the b	tating switch	h from off to bright the front C/P console	REF. M.D.R.		· · · · · ·
FUNCTION By recontrol the kedge lights.	tating switch	n from off to bright the front C/P console	REF. M.D.R.	ILITY	
control the b	tating switch	h from off to bright the front C/P console			HRS.
control the kedge lights.	tating switch	h from off to bright the front C/P console OPERATION TO BE PERFORME	RELIAB OVERHAUL LIFE 150 WASTAGE Q.T.R.	MEN × 1	MINUTES
control the kedge lights.	tating switch	the front C/P console	RELIAB OVERHAUL LIFE 150 WASTAGE Q.T.R.	00	
control the kedge lights.	orilliancy of	operation to be performed check. (See Maintenance Instr	RELIAB OVERHAUL LIFE 150 WASTAGE Q.T.R.	MEN × 1	MINUTES

.

PERIO	D .	EST.	ACTUAL
Primary	Function check. (See Maintenance Instructions Report 71/MAINT 11/2	1 x 2	
25 Hr.	Check electrical connections for security Check security of mounting	1 x 2	
	ACCESSIBILITY		
	ACCESSIBILITY Unobstructed		
ISSUE	Unobstructed		
ISSUE DATE	Unobstructed .		
	Unobstructed		
DATE	Unobstructed .		

		LUBRICATI	11110	ACCESS	
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	
DETAILS:					
		GROUND SUPPORT	EQUIPMENT		
SPECIAL	TOOLS FOR AIRCRAF	T USE	SPECIAL TOO	OLS FOR BENCH USE	
	NIL			NIL	
GROU	ND TESTING EQUIPME	NT	GROUND HA	NDLING EQUIPMENT	
A/C Groun	d Power Unit		Cockpit Access	Stand	
			MEN × MINUTES		
INTERCHANGEABLE X REMOVAL			TRUCTIONS	MEN × MINUTE	
REPLACEABLE		ectrical connecti		MEN X MINUTE	
REPLACEABLE		ectrical connection		EST. ACTU	

٠,

		LUBRICATIO	NIL NIL			
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY		ACCESS	
471-6			- Shriver			Cultiva Tal
DETAILS:						
		GROUND SUPPORT	EQUIPMENT			
SPECIAL	TOOLS FOR AIRCRAFT			COOLS FOR BEN	ICH USE	*****
	NIL			NIL		
GROU	IND TESTING EQUIPMEN	r	GROUND H	ANDLING EQUI	PMENT	
			VAL INSTRUCTIONS MEN X M		MINUTES	
REPLACEABLE	<u> </u>				MEN X	
REPLACEABLE	<u> </u>	ctrical connection				
REPLACEABLE	Disconnect 3 elec	ctrical connections nut.				
REPLACEABLE	Disconnect 3 elec Remove 1 mounting	ctrical connections nut.	ns		EST.	
REPLACEABLE	Disconnect 3 elec Remove 1 mounting	ctrical connections nut.	ns		EST.	
REPLACEABLE	Disconnect 3 elec Remove 1 mounting	ctrical connections nut.	ns		EST.	
REPLACEABLE	Disconnect 3 elec Remove 1 mounting	ctrical connections nut.	ns		EST.	

•

..

٠,

AVRO AIRCRAF		Engineering Div.	SYSTEM ELECTRICS	REF.	NO. E17/9
S. Brown	ARD +	A/C TYPE - Arrow 1 EFF. A/C - 25201	COMPONENT Switch - Front Light		. Floo
MANUFACTURER'S PART NO. 8801K16 MANUFACTURER'S NAME Cuttler Hammer AVROCAN SPEC. E.O. NO. ENVELOPE SIZE 1 1/8" x 1 3/64" x 5/8" WEIGHT 0.08 LB. LOCATION Mounted on panel E17, in front cockpit.			AVRO PART NO.		
			7-1100-2 sht 7 7-1100-3 sht 12		
PUNCTION Prov high altitude f	rides switching Plood light.	g for the Front C/P	REF. M.D.R.		
			RELIAB OVERHAUL LIFE 1 WASTAGE Q.T.R.	500	HRS.
		OPERATION TO BE PERFORME	ED	MEN X	MINUTE

INSPECTIO	OPERATION TO BE PERFORMED	MEN X	MINUTES
PERIOD		EST.	ACTUAL
Primary	Function check (See Maintenance Instructions Report 71/MAINT 11/2	•t 1 x 2	
25 Hrs.	Check electrical connections for security. Check security of mounting.	1 x 2	
	ACCESSIBILITY		į
	Unobstructed		
	01100501 40 004		
ISSUE	1		
DATE	27 Aug 57		
COMPILED	WO2 Wentworth		
CHECKED	J. Ferguson		-
APPROVED	R.F. Reid		

MAINTENANCE DATA RECOR	ELECTRICS	REF. NO. 11-E22/5		
S. Brown K. Knowlton A/C TYPE - Arr	Switch - Naviga	ition lights.		
MANUFACTURER'S PART NO. 7662K5 MANUFACTURER'S NAME Cuttler Hammer AVROCAN SPEC. E.O. NO.	AVRO PART NO.			
ENVELOPE SIZE I 5/16" x 1 7/16 x 1 7/32 WEIGHT 0.1 LOCATION Mounted on panel E22 located in the front of	7-110	REF. DWGS. 7-1100-2 sht 6 7-1100-3 sht 13		
FUNCTION Provide switching for the navigation light	REF. M.D.R.	REF. M.D.R.		
	OVERHAUL LIFE WASTAGE Q.T.R.	BILITY		
INSPECTION OPERATION TO BE	E PERFORMED .	MEN × MINUTE		

٠.

.

INSPECTION	NO	OPERATION TO BE PERFORMED		MINUTES
PERIOD			EST.	ACTUAL
Primar	y Function cl 71/Maint 11	heck (See Maintenance Instructions Report 1/2)	2 x 2	
25 hrs	Check secur Check secur	rity of electrical connection. rity for mounting.	1 x 5	
	- '\	L. C.		
		ACCESSIBILITY		
	Unobstructe	ed ·		
ISSUE	1			
	18 Sep 57			
COMPILED	WO2 Wentworth			
	K.P. Lowe			- Officially to home to the
APPROVED	R.F. Reid			

AUDO ATO	ENANCE D	DATA RECORD	SYSTEM ELECTRICS	REF. NO. 11-E26/4
AVRO AIRC	RAFT LTD.	Engineering Div.		
DISTRIBUTION: STA	NDARD +	A/C TYPE - Arrow 1	COMPONENT	mac a/n
S. Brown			Light controller MIP & console edge	
K. Knowlton		eff. A/C - 25201	MTL & COURDIE add	e TTRUMA
MANUFACTURER'S	PART NO.		AVRO PART NO.	
			CS-T-134	
MANUFACTURER'S				
AVROCAN SPEC.	i352 E.O.	NO.		
envelope size 2 。	75" x 2 1/16" D	IAM WEIGHT LB.	7-1100-3 Sht. 12 7-1100-2 Sht. 8	2
LOCATION Mount	ed on panel E26	located in rear cockpit.		
FUNCTION By rot	ating the switch	h from OFF to BRIGHT,	REF. M.D.R.	
controls th		the rear C/P, M.I.P. and	11-E26	
00010 OWE	,		RELIABI	LITY
			OVERHAUL LIFE	HRS.
			WASTAGE	
			Q.T.R.	
Diche amos				T
INSPECTION PERIOD		OPERATION TO BE PERFORME	D	MEN X MINUT
Primary	71/MAINT 11/2		A STATE OF THE STA	1 x 2
25 Hrs.		cal connections for securit	y	
	Check security	y of mounting		1 x 2
	The second second			
	The State of the same			
		ACCESSIBILITY		
	Unobstructed			
ISSUE	Unobstructed			
	1			
DATE 18 Se				
DATE 18 Se COMPILED WO2	1 ept. 57			

		LUBRICATI	ON NIL			
APPLICATION	PPLICATION MATERIAL SPECIFICAT		FREQUENCY	ACCESS	3	
			S-mamma			
DETAILS:						
		GROUND SUPPORT			Name of the second	
SPECIAL 1	NIL	r use	NIL	OOLS FOR BENCH USE		
GROUNI	D TESTING EQUIPMEN	(T	GROUND HA	ANDLING EQUIPMENT		
A-C	Ground Power U	Init	Cockpit access	stand		
NTERCHANGEABLE	x			ME	N × MINUTES	
REPLACEABLE		REMOVALINS	LINSTRUCTIONS		EST. ACTUAL	
2.	Remove 1 Mount		ove and Replace	l x	10	
				and the second		

٠.

٠,

MAINTENANCE AVRO AIRCRAFT LTD.	DATA RECORD Engineering Div.	SYSTEM ELECTRICS	REF.		
DISTRIBUTION: STANDARD + S. Brown K. Knowlton	A/C TYPE - Arrow 1 EFF. A/C -25201	COMPONENT Light controller lights	- Rear C	P floor	
MANUFACTURER'S PART NO. MANUFACTURER'S NAME AVROCAN SPEC. E352	E.O. NO.	AVRO PART NO. CS = T = 13	4		
ENVELOPE SIZE 2.75 x 2 1/3 LOCATION Mounted on panel	L6 DIA WEIGHT LB.	REF. DWGS. 7-1100-3 Sht. 12 7-1100-2 Sht. 8			
FUNCTION By rotating the scentrols the brillinghts.	switch from OFF to BRIGHT, Lancy of the rear C/P flood	REF. M.D.R.			
		RELIAB	RELIABILITY		
		OVERHAUL LIFE WASTAGE Q.T.R.		HRS.	
INSPECTION	OPERATION TO BE PERFORM	20	MEN X	MINUTES	
PERIOD	OPERATION TO BE PERFORMI	20	EST.	ACTUAL	

••

INSPECT	OPERATION TO BE PERFORMED	MEN X MINUTES	
PERIO		EST.	ACTUAL
Primar	Function check - (See Maintenance Insturctions Report 71/MAINT 11/2)	1 x 2	
25 Hrs.	Check electrical connections for security		
	Check security of mounting	1 x 2	
	ACCESSIBILITY		
	Unobstructed		
SSUE			
	1 Sept. 18/57		
ATE	Sept. 18/57 WO2 Wentworth		
DATE	Sept. 18/57 W02 Wentworth K.P. Lowe		

		LUBRICAT	TION NIL	SPAIRS TALL		
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS		
			And the second second			
DETAILS:						
				- Arthur es		
		GROUND SUPPOR	T EQUIPMENT			
SPECIAL	TOOLS FOR AIRCR	AFT USE	SPECIAL TOOLS	FOR BENCH USE		
	NIL		NTT			
	MTT		NIL			
GROUN	D TESTING EQUIP	MENT	GROUND HANDLI	NG EQUIPMENT		
A C	. Ground Powe	r IInit	Cockpit access s	tand		
H.U	o di ound fowe.	I. UILU	GOCKPIO ACCESS S	oanu.		
INTERCHANGEABLE	X	REMOVAL IN	NSTRUCTIONS	MEN ×	MEN × MINUTES	
REPLACEABLE				EST.	ACTUA	
1.	Disconnect 3	electrical connec	tions	dante la la		
2.	Remove 1 mou	nting nut			120	
		Remov	e & Replace	1 x 10		

٠,

		LUBRICATI	ON NIL	
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS
DETAILS:				
		GROUND SUPPORT	EQUIPMENT	
SPECIAL	TOOLS FOR AIRCRAFT	USE	SPECIAL TOOLS	FOR BENCH USE
ı	NIL.		NIL	
			operan week	VO FOURING NO
GROUN	D TESTING EQUIPMEN	T .	GROUND HANDLI	NG EQUIPMENT
A/C	Ground Power Un	it	Cockpit Access Sta	nd
INTERCHANGEABLE	x	REMOVAL INS	TRUCTIONS	MEN × MINUTES
REPLACEABLE				EST. ACTUA
1. H 2. I	Remove one mount Disconnect 2 ele	ing bolt. ctrical connection	ons.	
		Rea	nove and Replace	1 x 10
			iovo dira isopiaco	
	R.			

MAINTENANCE D AVRO AIRCRAFT LTD.	ATA RECORD Engineering Div.	SYSTEM ELECTRICS	REF. NO. 11-E102
DISTRIBUTION: STANDARD + S. Brown K. Knowlton	A/C TYPE - Arrow 1 EFF. A/C - 25201	COMPONENT Navigation Light I Unit	Flasher
MANUFACTURER'S PART NO. 61370 MANUFACTURER'S NAME Lucas - Rot AVROCAN SPEC. E-224 E.O. N		AVRO PART NO. CS-F-106	
envelope size 4.5" x 4.5" x 3.0" location Rear Face of Bulkhead		7-1100-3 s	
FUNCTION To provide periodic fl lights.	lashing of navigation	REF. M.D.R.	
.400.		RELIABILI OVERHAUL LIFE 1500 WASTAGE Q.T.R. Pending	TY
INSPECTION	OPERATION TO BE PERFORME		MEN × MINUTE

٠.

INSPECTI	ON	OPERATION TO BE PERFORMED		MEN × MINUTE	
PERIOD	RIOD			EST.	ACTUA
Primary	Chec Func	k flasher for security and k connector for security. tion check - refer to Maint rt 71/Maint 11/2		2 x 3	
		ACCESSIBILITY	127476		
	<u>Note</u> 2520	structed - Location 1-25203 location Bulkhead Subsection Bulkhea			
ISSUE	1	6			
DATE	April 4/55	25 Sept 57			
COMPILED	C. Wright	WO2 Wentworth			
CHECKED	G. Emmerson	K.P. Lowe			
APPROVED		R.F. Reid			

			LUBRI	CATION Nil			
APPLICATION	М	ATERIAL	SPECIFICATION	N FREQUENCY	A	CCESS	
DETAILS:							
			GROUND SUPP	ORT EQUIPMENT			
SPECIAL T	COOLS I	FOR AIRCRAFT	USE	SPECIAL	TOOLS FOR BENC	H USE	
				March			
	Nil				Nil		
GROUNI	TEST	ING EQUIPMEN	г	GROUNI	HANDLING EQUIPM	MENT	
	A-C	Ground Pow	er Unit	Maintenance	Platform 4G/1	1596	
INTERCHANGEABLE	xx		REMOVA	L INSTRUCTIONS		MEN × I	MINUTES
REPLACEABLE						EST.	ACTUA
	1 2		ct l electric mounting bol				
				Estimated - Remov Repla		1 x 20	

٠.

M A	INTENANCE	DATA RECORD	SYSTEM ELECTIRGS	REF. 1	io.
AVR	O AIRCRAFT LTD.	Engineering Div.	LADRETAM	HOLDAN	JOSA
	ON: STANDARD +	A/C TYPE - Arrow 1	COMPONENT		
	Knowlton Brown	EFF. A/C - 25201	Landing Light		
MANURACTI	URER'S PART NO. N/A	- Learne Lander	AVRO PART NO.		A FEE
	urer's name Jarry l		AN-3129-4523 Lamp G.E. 4523		
AVROCAN S	PEC. E-245	E.O. NO.			
ENVELOPE	size 6.5% Dia. X	4.0° WEIGHT 2.0 LB.	1-7700-2 0000 73		
LOCA TION	Nose leg - bott	tom.	7-1100-2 Sht. 12 7-4291-1		
FUNCTION	To illuminate th	ne ground while landing aircraf	t REF. M.D.R.		
			RELIABIL	. IT Y	
			overhaul Life wastage Case When I i Q.T.R. Pending		ent =
INSPEC	TION		n.	MEN X M	INUTES
Primar	y Check ligh	operation to be performent for security, damage, corros:		EST.	ACTUA
	y Check light glass.	theck - (See Maintenance Instruction)	ion, and cracked	2 x 3	(80.0)
Primar	y Check light glass.	th for security, damage, corross th eck = (See Maintenance Instruction)	ion, and cracked	aus After	(STOCK)
Primar	y Check light glass. Function of 71/MAINT 1	theck - (See Maintenance Instruction)	ion, and cracked	aus After	(80.0)
Primar	y Check light glass. Function of 71/MAINT 1	theck = (See Maintenance Instruction) ACCESSIBILITY Structed	ion, and cracked	aus After	(STOCK)
Primar	y Check light glass. Function of 71/MAINT 1	ACCESSIBILITY ACCESSIBILITY	ion, and cracked	aus After	(STOCK)
Primar	Unobs	ACCESSIBILITY Structed 2 Sept 17/57	ion, and cracked	aus After	(STOCK)
Primar	y Check light glass. Function of 71/MAINT 1	ACCESSIBILITY ACCESSIBILITY	ion, and cracked	aus After	ACTUA

		LUBRICATIO			
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	
			SAME.		
DETAILS:					
		GROUND SUPPORT	EQUIPMENT		
SPECIAL 7	TOOLS FOR AIRCRAFT	USE	SPECIAL TO	OLS FOR BENCH USE	
N.	IL			NIL	
GROUN	D TESTING EQUIPMEN	т	GROUND HA	NDLING EQUIPMENT	
A-C	A-C Ground Power Unit NIL		NII.		
INTERCHANGEABLE REPLACEABLE	Х	REMOVAL INS	TRUCTIONS	MEN ×	MINUTE
1. 2. 3. 4.	Removal Remove 1 bolt a Remove 1 positi Remove 7 screws Unscrew 1 elect Disconnect 2 el	oning bolt.	ing ferrule nut.		
		Remo	ve and Replace	1 x 30	
1.	Disconnect 2 e	o. Crical wire retain Clectrical connect Cring and rubber	ions on lamp.		
		Rem	ove and Replace	1 x 25	

٠.

AVRC	AIRCRAFT LTD.	DATA RECORD Engineering Div.	SYSTEM ELECTRICS	REF.	
	N: STANDARD +	A/C TYPE - Arrow 1	COMPONENT		
	Knowlton		Taxi Light		
	Brown	EFF. A/C - 25201	a Sanda add Egati V		
MANUFACTU	RER'S PART NO. N/A		AVRO PART NO.		
MANUFACTU	rer's name Jarry	Hydraulics	Lamp G.E.4523		
AVROCAN SF	PEC. E-245	E.O. NO.			
ENVELOPE S	size 6.50 Dia. X	4.0 ³⁸ WEIGHT 2.0 LB.	REF. DWGS. 7-1100-3 Sht. 13 7-1100-2 Sht. 12	3	
LOCATION	Nose Leg - Botton	m	7-4291-1	,	
FUNCTION	To illuminate gro	und when taxi-ing and landing	REF. M.D.R.		-
	aircraft				
			RELIABII	LITY	
			overhaul life wastage Case - A/C q.t.R.Replace when Pendir	D Life Fi necessar	HRS. Llamar J
INSPECT	TION	OPERATION TO DE DYDEODIG		MEN X	MINUTES
PERIO	do.	OPERATION TO BE PERFORM	ED	EST.	ACTU
		check - (See Maintenance ions Report 71/MAINT 11/2		2 x 3	
	Function	check - (See Maintenance ions Report 71/MAINT 11/2		* * 3	
	Function			* * 3	
	Function	ions Report 71/MAINT 11/2		* * 3	
	Function Instruct	ions Report 71/MAINT 11/2		* * 3	
	Function Instruct	ions Report 71/MAINT 11/2			
ISSUE	Function Instruct	ions Report 71/MAINT 11/2			
	Function Instruct	ions Report 71/MAINT 11/2 ACCESSIBILITY ructed			
DATE	Function Instruct Unobst	ions Report 71/MAINT 11/2 ACCESSIBILITY ructed			
	Function Instruct	ACCESSIBILITY ructed 2 Sept. 18, 57			

..

R AIRCRAFT USE G EQUIPMENT Power Unit	PORT EQUIPMENT SPECIAL TOOLS NIL	ACCESS FOR BENCH USE LING EQUIPMENT MEN × MINUTE
R AIRCRAFT USE G EQUIPMENT Power Unit	NIL GROUND HANDL	LING EQUIPMENT
R AIRCRAFT USE G EQUIPMENT Power Unit	NIL GROUND HANDL	LING EQUIPMENT
R AIRCRAFT USE G EQUIPMENT Power Unit	NIL GROUND HANDL	LING EQUIPMENT
e equipment Power Unit	NIL GROUND HANDL	LING EQUIPMENT
Power Unit	GROUND HANDL	
Power Unit	NIL	
mect 2 electrical war		
set 2 electrical con	etaining ferrule nut.	ce 1 x 30
	Remove & Repla	ace 1 x 25
	l bolt and nut l positioning bolt. 6 screws l electrical wire r bect 2 electrical wire 6 screws. l electrical wire r bect 2 electrical con	l bolt and nut l positioning bolt. 6 screws l electrical wire retaining ferrule nut, ect 2 electrical wires on lamp. Remove & Repla 6 screws. l electrical wire retaining ferrule nut. ect 2 electrical connections on lamp. retainer ring and rubber gasket from lamp.

		TT DOMD TOO	- T	75 705		
	AIRCRAFT LTD.	Engineering Div.	ELECTRICS	11-1	E1503	
DISTRIBUTION	: STANDARD +	COMPONENT				
	K. Knowlton S. Brown			ncy Flood Light sembly		
MANUFACTUR	er's part no. 0=782	5	AVRO PART NO.			
MANUFACTUR	er's name Grimes	3				
AVROCAN SPE	C. E.O.	NO.				
ENVELOPE SIZ	· ·	WEIGHT LB.	REF. DWGS.			
LOCATION	Mounted in front		7-1100-2 Sht.7 7-1100-3 Sht.7			
	redirect in from	ockpro,	7-1100-5 2110.5			
FUNCTION		n mounted on light assembly olled from OFF to full	REF. M.D.R.			
	,		RELIABIL	ITY		
			OVERHAUL LIFE WASTAGE	L500	HRS.	
			Q.T.R.			
INSPECTION	ON	OPERATION TO BE PERFORME	:D	MEN X	MINUTES	
PERIOD				EST.	ACTUA	
Primary	Function che	eck. (See Maintenance Inst	ructions			

,,

	PERIOD OPERATION TO BE PERFORMED		
PERIO	D	EST.	ACTUAL
Primary	Function check. (See Maintenance Instructions Report 71/Maint 11/2)	1 x 2	
25 hours	Check security of mounting.	1 x 2	
	ACCESSIBILITY		
	Unobstructed.		
ISSUE	1		
DATE	August 27/57		
COMPILED	WO2 Wentworth		
CHECKED	J. Ferguson		
	R.F. Reid		

		LUBRICAT	ION NIL		
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	
	The state of				
			Despite only		
DETAILS:					
DETRIES.					
		GROUND SUPPORT	F EQUIPMENT		
SPECIAL	TOOLS FOR AIRCRAF	T USE	SPECIAL TOO	OLS FOR BENCH USE	
	NIL		NIL		
	MID		1/11		
GROU	ND TESTING EQUIPME	ENT	GROUND HA	NDLING EQUIPMENT	
A/C	Ground Power Ur	nit	Cockpit Access	Stand	
INTERCHANGEABL	E X		ISTRUCTIONS	MEN X	MINUTES
INTERCHANGEABL REPLACEABLE	E X		ISTRUCTIONS	MEN X	MINUTES
	E X		ISTRUCTIONS		
REPLACEABLE					
replaceable	Disconnect 2 el	REMOVAL IN			
replaceable		REMOVAL IN			
replaceable	Disconnect 2 el	REMOVAL IN			
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN			
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
REPLACEABLE	Disconnect 2 el	REMOVAL IN	ors.	EST.	
replaceable	Disconnect 2 el Remove 2 mounti	REMOVAL IN Lectrical connects ing bolts. Remove a	ors.	l x 10	
l. 2.	Disconnect 2 el Remove 2 mounti	REMOVAL IN Lectrical connects ing bolts. Remove a	ors.	l x 10	

MA	INTENANCE	DATA RI	ECORD	SYSTEM	REF.	NO.
	O AIRCRAFT LTD.		neering Div.	ELECTRICS	11-E	1155
	ON: STANDARD +	A/C TYPE -		COMPONENT		
	. Brown			Light - Wing Tip	- Red	
K.	. Knowlton	EFF, A/C -	25201			
MANUFACTU	JRER'S PART NO. BE	3020R		AVRO PART NO.		
				1-CS-L-129-1		
MANUFACTU	JRER'S NAME AV	riation Electric	(Grimes)			
AVROCAN SI	PEC. E-229	E.O. NO.	*.			
				REF. DWGS.		
ENVELOPE S	size 10.37" x 3.25	5" x 1.88" weigh	ит 0.80 est. Lв.	7-0165-	.74 3 sht 13	
LOCATION]	Left Hand - Wing	tip.		(=1100=	5) 5116 15	
	2019	02.00				
		- 1 1 2				
FUNCTION '	lo give position	and direction of	motion.	REF. M.D.R.		
				RELIABI	LITY	
				OVERHAUL LIFE CASE	- 1500	HPS
				wastage Filament -		
	\$ 1000 m. A			Q.T.R. 242	necessa	r.y
INSPEC	TION				MEN X	MINUTES
PERI		OPERATIO	N TO BE PERFORMED		EST.	ACTUAL
Primary	v Function	n Check (See Main	tenance Instruc	tions Report		
	71/Maint			1	2 x 2	
05.1	01		t - 1 t	: A 0		
25 hrs.		or security of at or, blackening of			1 x 3	
	Comicoo	of predicting of	TITAMONO, SIE	J dital Oitolly		
		ACCESSIBIL	ITY			
	Unobstr	acted				
		AN3122-1524				
			- D+ No B7066	l Red		
	Lamp - A	ment lense - Grim	les if no ploos			
	Lamp - A		les FC NO D/000=			E.
	Lamp - A		es rt no byooo-			
	Lamp - A		es it no byoos.			
ISSUE	Lamp - A		8 FC NO 17000-	4		5
	Lamp - A Replacer	ment lense - Grim	3		25 Sen	5 t 57
ISSUE DATE COMPILED	Lamp - A Replacer 1 June 20/55	ment lense - Grim	3 November 16/56	March 18/57	25 Sep WO2 We	5 t 57 ntworth
DATE	Lamp - A Replacer	ment lense - Grim	3 November 16/56 D. Collingwood			ntworth

..

* *.	INTENANCE	DATA RE	CORD	SYSTEM	REF.	NO.
AVRO	O AIRCRAFT LTD.	Engir	neering Div.	ELECTRICS	11-1	E1156
	ON: STANDARD +	A/C TYPE -		COMPONENT		
A. Kno				Light - Wing tip -	Green	
S. Bro	wa	EFF. A/C -	25201			
MANUFACTU	URER'S PART NO. B8	8020G		AVRO PART NO.		
MANUFACTU	JRER'S NAME AV	viation Electric ((Grimes)	2-CS L-129-1		
AVROCAN SF	PEC. E-229	E.O. NO.				
		25" х 1.88" weigh	T 0.80 est. LB.	REF. DWGS. 7-0164-7 7-1100-3		3
LOCATION	Right Hand - Win	ig Tip				
FUNCTION	To give position	n and direction of	f motion	REF. M.D.R.		
			Anthrope .			
				RELIABILI	TY	
				OVERHAUL LIFE Case		
				wastageFilament - R		
				Q.T.R. 242 n	ecessar	. y
INSPECT	TION	OD TRACTION			MEN × 1	MINUTI
PERIO		OPERA TIO	N TO BE PERFORMED		EST.	ACT
25 hrs		for security of at g of filament, gla			1 x 3	
25 hrs	Check f				1 x 3	
25 hrs	Check f				1 x 3	
25 hrs	Check f		ass unbroken		1 x 3	
25 hrs	Unobstra Replace	g of filament, gla	ass unbroken		1 x 3	
25 hrs	Unobstra Replace	ACCESSIBILITY ructed ement: AN3122-1524 - Grimes B-7066-2	ass unbroken TY Green		1 x 3	
	Unobstra Replace Lamp - Lense	ACCESSIBILITY ructed ement: AN3122-1524 - Grimes B-7066-2	TY Green	4	1 x 3	
ISSUE	Unobstra Replace Lamp - Lense	ACCESSIBILITY ructed ement: AN3122-1524 - Grimes B-7066-2	TY Green 3 April 8/57	4 25. Sept 57	1 x 3	
ISSUE DATE	Unobstra Replace Lamp - Lense	ACCESSIBILITY ructed ement: AN3122-1524 - Grimes B-7066-2	TY Green	4 25. Sept 57 W02 Wentworth	1 x 3	

"

4

MAINT	ENANCE	DATA REC	CORB	YSTEM	REF.	
AVRO AIRC	RAFT LTD.	Engine	ering Div.	ELECTRICS	11-E	1158
ISTRIBUTION: STA				OMPONENT		
S. Brown				Light - Fin Ti	p - White	
K. Knowlto	n	EFF. A/C -	25201			
MANUFACTURER'S	PART NO		A	VRO PART NO.		
	4.5	YC-1:-1 2- T-		7 1102 1	0	
MANUFACTURER'S	NAME Soderbei	rg (Supplied by Le	onard Electric)	7-1183-1	2	
VROCAN SPEC.	E-229	E.O. NO.				
envelope size 3	.812" x 1.70	6 dia weight	0.375 LB.		11-89	
n. m.	m , , , ,	Ta		7-11:		0
LOCATIONFIN Ti	p - Trailin	g rage		\- <u>T</u> T(00-3 sht 1	3
FUNCTION TO GIV	e position	and direction of m	otion.	EF. M.D.R.		
	A 2 -			RELIA	BILITY	*
				VERHAUL LIFE Ca		
				vastage Filament	-	
	La re		(2.T.R. 242	necessa	ry
INSPECTION						
					MEN X B	MINITE
PERIOD		OPERATION	TO BE PERFORMED		MEN X I	1
	<u> </u>	OPERATION	TO BE PERFORMED	10 F 1 (1046)		1
PERIOD					EST.	1
	Functi	on Check (See Main				1
Primary	Functi 71/Mai	on Check (See Main nt 11/2)	ntenance Instruc	tions Report	EST.	1
PERIOD	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2)	ntenance Instruc	tions Report	EST.	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Period	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instruc	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at	ntenance Instructachment, securi	tions Report	2 x 2	1
Primary	Functi 71/Mai Check	on Check (See Main nt 11/2) for security of at tor, sagging of fi	ntenance Instructachment, securi	tions Report	2 x 2	1
Primary	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi	ntenance Instructachment, securi	tions Report	2 x 2	1
Primary	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi	ntenance Instructachment, securi	tions Report	2 x 2	1
Primary	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi	ntenance Instructachment, securi	tions Report	2 x 2	1
Primary	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi	ntenance Instructachment, securi	tions Report	2 x 2	1
Primary	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi	ntenance Instructachment, securi	tions Report	2 x 2	1
Primary 25 hrs	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi	tachment, securilament, glass un	tions Report	2 x 2	1
Primary 25 hrs	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi	ntenance Instructachment, securitament, glass un	tions Report ity of abroken	2 x 2	1
PERIOD Primary 25 hrs ISSUE DATE Jun	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi ACCESSIBILIT ructed	tachment, securilament, glass un	tions Report ity of abroken 4 25 Sep 57	2 x 2	1
PERIOD Primary 25 hrs ISSUE DATE COMPILED Compliance DATE Compliance Compliance	Functi 71/Mai Check connec	on Check (See Main nt 11/2) for security of at tor, sagging of fi ACCESSIBILIT ructed 2 April 20/56 D.Collingwood	ntenance Instructachment, securitament, glass un	tions Report ity of abroken 4 25 Sep 57 W02 Wentworth	2 x 2	ACTU

•

,,

		LUBRICAT	ION NIT		
APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	
DETAILS:					
		GROUND SUPPORT	EQUIPMENT		
SPECIAL TO	OOLS FOR AIRCRAF	T USE	SPECIAL TOOLS F	OR BENCH USE	
	NIL		NIL		
GROUND	TESTING EQUIPME	NT	GROUND HANDLIN	G EQUIPMENT	
	A-Q Ground Po	ower unit	Fin Servicing St	etio dal 1530	
NTERCHANGEABLE	xx	REMOVALIN	STRUCTIONS		MINUTES
REPLACEABLE				EST.	ACTUA
	2 Unclam	2 screws holding p lens and remove aw lamp from fair			
	4 Disconi	nect l'Electrical	connector.		
	4 Discon	nect l [°] Eledtrical	Connector. Remove and Replace	1 x 7	
	4 Discon	nect l [°] Eledtrical	connector.	1 x 7	
	4 Discon	nect l Eledtrical	connector.	1 x 7	
	4 Discon	nect l Eledtrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Eledtrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	
	4 Discon	nect l Electrical	connector.	1 x 7	

**

		DATA RE	FCORD	SYSTEM	REF.	NO.
	INTENANCE DAIRCRAFT LTD.		neering Div.	ELECTRICS	11-F	1046
	ON: STANDARD +	A/C TYPE -		COMPONENT Light - Fintip -		
S. Brown				Light - Fintip -	Red	
K. Knowl	ton	EFF, A/C -	25201			
MANUEACTU	JRER'S PART NO.			AVRO PART NO.		
				7-1183-11		
MANUFACTU	RER'S NAME Soderber	g (Supplied by I	eonard Electric			
AVROCAN SE	EC.	E.O. NO.	-21-			
ENVELOPE S	SIZE 3.812" x 1.76	n dia weigh	170.80 est. LB.	REF. DWGS. 7-1100-3	sht 13	
				7-1183-7		
LOCATION	Fin Tip - Trailin	g Edge		7-0111-89	7	
FUNCTION T	o give position a	nd direction of	mòtion.	REF. M.D.R.		**************************************
	•					
						*
				RELIABIL	LITY	
				overhaul Life Case		
				wastage Filament -		
	ten 7			Q.T.R. 242	necessa	ry
INSPEC	TION	CDETA MIO			MEN X	MENUTE
PERIO		UPERATIO	N TO BE PERFORMED		EST.	ACTU
	71/Maint 1		short cacumity	as connector		
Primary 25 hrs	Check for			y of connector,	1 x 3	
	Check for solackening	security of atta of filament, gl	lass unbroken	y of connector,	1 x 3	
	Check for	security of atta of filament, gl	lass unbroken	y of connector,	1 x 3	
	Check for solackening	security of atta of filament, gl	lass unbroken	y of connector,	1 x 3	
	Check for solackening	security of atta of filament, gl	lass unbroken	y of connector,	1 x 3	
	Check for solackening	security of atta of filament, gl	lass unbroken	y of connector,	1 x 3	
	Check for solackening	security of atta of filament, gl	lass unbroken	y of connector,	1 x 3	
	Unobstructe	ACCESSIBILI ed	lass unbroken	y of connector,	1 x 3	
25 hrs ISSUE DATE	Unobstructed June 20/55	ACCESSIBILITY ACCESS	ITY Nov 28/56	4 25 Sept 57	1 x 3	
25 hrs	Unobstructe	ACCESSIBILI ed	lass unbroken	4 25 Sept 57	1 x 3	

.

4

			LUBRI	CATION Nil			
APPLICATION	М	ATERIAL	SPECIFICATIO	FREQUENCY		ACCESS	
DETAILS:							K K
			GROUND SUPP	ORT EQUIPMENT			
SPECIAL	TOOLS I	FOR AIRCRAF			TOOLS FOR BEN	ICH USE	
Nil			Nil				
	D TEST	ING EQUIPMEN	NT	GROUND	HANDLING EQUI	PMENT	
10 miles	AC	Ground Po	wer Unit	Fin Servicing	Stand 4G/12	30	
INTERCHANGEABLI	E XX		REMOVA	LINSTRUCTIONS		MEN ×	
REPLACEABLE						EST.	ACTUA
	1 2 3 4	Unclamp Withdra	2 screws hold lens and rem w lamp from f ect l electric	airing	ure		
				Remove and	Replace	1 x 7	

• ;