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By authorized INSTRUCTIONS
INSTRUMENTS - MISCELLANEOUS AMES

Date 35 ptsc

71/MAINT 12/5 PSJM

Unit / Rank / Appointment AMES

NRC - CISTI J. H. PARKIN BRANCH

JUN 8 1995

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MAINTENANCE INSTRUCTIONS

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MAINTENANCE INSTRUCTIONS

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By authority of AVRS

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INSTRUMENTS - MISCELLANEOUS

71/MAINT 12/5

10 Jan. 58

Prepared:

For Maintenance and Reliability

Section

Approved:

Airborne Equipment Seption

Approved:

For Equipment Dog

Authorized:

Project Designer

ENGINEERING DIVISION, AVRO AIRCRAFT LIMITED, MALTON, ONTARIO



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	M.D.R. M.D.R. M.D.R. M.D.R. M.D.R. M.D.R. M.D.R. M.D.R.	12-3 12-4 12-7 12-10 12-12 12-16 12-17	Compass - Standby Accelerometer Clock - 8 Day Indicator - Artificial Horizon Indicator - Turn and Slip Indicator - Cabin Pressure Indicator - Skin Temperature Indicator - Landing Gear Position Sensor - Skin Temperature	



1. DESCRIPTION

1.1 General

- 1.1.1 This instruction covers all instruments which are not part of a system and which in most cases, do not require transmitting or sensing devices. Electrical power is required in some cases as noted. The instruments described below are all mounted on the pilot's main instrument panel.
 - 1.1.1.1 The accelerometer is a self-contained, mechanically operated instrument which indicates acceleration loads on the aircraft in terms of "G" units.
 - 1.1.2 The clock is self-contained and mechanically operated. It provides the pilot with an indication of time.
 - 1.1.1.3 The stand-by compass is self-contained, and indicates the magnetic heading of the aircraft at all times. It is used as a rough check on the J-4 compass system or to obtain magnetic direction indication when the J-4 compass system fails.
 - 1.1.4 The cabin pressure indicator is a self contained pressure operated instrument. It indicates the pressure inside the cockpit in feet of altitude.
 - 1.1.5 The artificial horizon is an electrically operated instrument which indicates the attitude of the aircraft relative to the true horizon. Power requirements are 115 volts, 400 cycles AC 3 Ø DELTA. A GYRO ERECT button is provided to erect the gyro quickly and provide a means of function testing.
 - 1.1.6 The turn and slip indicator is also an electrically operated instrument which indicates the rate of turn and the amount of slip or skid in a turn. Power requirements are 28 volts DC.
 - 1.1.7 The skin temperature indicator is a dual purpose instrument which indicates the outside air temperature when the aircraft is on the ground or the aircraft skin temperature in flight.

 The sensor is mounted on the underside of the radome. Power requirements are 115 volts, 400 cycles AC.
 - 1.1.8 The landing gear position indicator is an electrically operated instrument which indicates whether the gear is fully up, down and locked, or unsafe. The indicator consists of three components, one for each main gear and one for the nose gear.



1.1.1.8 (continued)

The components are actuated by micro-switches on each gear leg. Power requirements are 28 volts DC.

1.2 Operation

- 1.2.1 It is considered that all personnel concerned are familiar with the operation of the accelerometer, clock, stand-by compass, turn and slip indicator, cabin pressure indicator and landing gear position indicator and that publications are readily available for reference if required. Therefore the operation of these instruments will not be given in this instruction. A brief description of the operation of the artificial horizon and the skin temperature indicator is detailed below.
 - 1.2.1.1. The artificial horizon operates on 115 volts, 400 cycles AC from the aircraft supply. This power is fed to the instrument through an electrical receptacle on the back of the case. A second receptacle is provided for use during bench testing only. A GYRO ERECT switch, installed on the panel adjacent to the artificial horizon, provides a means of erecting the gyro quickly after start-up and a method of function testing the gyro. Without the use of the gyro erection switch, the gyro requires 20 seconds to erect and 1½ minutes to run up to full speed.

CAUTION

The gyro erection switch must not be depressed for at least 30 seconds after power is applied. It must not be depressed for periods exceeding 1 minutes and, if the switch is held down for 1 minute, at least 30 seconds must elapse before the switch is operated again.

The phase failure indicator consists of a flag marked OFF which appears in a small window in the sky plate of the instrument when the power is off, when one phase has failed, or when the applied voltage drops to approximately 60 volts. Under-normal operating conditions, the flag is rotated away from the window and is replaced with a blank, black surface matching the surface of the sky plate. For further details on this instrument, refer to RCAF E.O. 20-20-JA-2.

1.2.1.2 The skin temperature indicator is a transistorized instrument with a range of -60° to * 300° F operating on 115 volts, 400 cycles AC. A sensor mounted on



1.2.1.2 (continued)

the radar nose senses the temperature and transmits a signal to the indicator amplifier which in turn drives the motor of the indicator. When the electrical power is switched off, the indicator pointer will remain at the last temperature reading until the power is switched on again.

2. FUNCTION TESTS

2.1 Primary Inspection

NOTE

A function test will not be performed on the clock, standby compass or cabin pressure gauge on primary inspections.

2.1.1 Ground Test Equipment

2.1.1.1 Air Conditioner and Generator AC

2.1.2 Preparation for Tests

- 2.1.2.1 Ensure that the circuit breakers marked SKIN TEMP., ART. HORIZON, TURN AND SLIP and U/C IND., on circuit breaker panel El in the nose wheel well, are set.
- 2.1.2.2 Connect the air conditioner and generator AC to the aircraft.

2.1.3 Test Procedure

- 2.1.3.1 Check that the turn and slip and artificial horizon warning flags show OFF and the landing gear position indicators show the neutral or unsafe position.
- 2.1.3.2 Select the MASTER ELEC switch to the ON position.
 Check that the OFF warning flags of the turn and slip and artificial horizon indicators disappear.
 The landing gear position indicators should show wheels down and the skin temperature indicator should read the ambient temperature.
- 2.1.3.3 Allow 30 seconds for the artificial horizon to run up and press the GYRO ERECT switch. The warning light should come on and the horizon bar should oscillate slightly. After the erection cycle is completed the warning light should go off.



2.1.3.4 Press the accelerometer reset knob and check that all three pointers read 1G = .2G.

2.2 Periodic Inspection (25 Hours)

2.2.1 Electrically Operated Instrument

Carry out a primary function test on the electrically operated instruments and the accelerometers as detailed in Para 2.1 of this instruction.

NOTE

A function test will not be performed on the clock or the cabin pressure gauge on 25 hour periodic inspections.

2.2.2 Stand-By Compass

2.2.2.1 Ground Test Equipment

(a) Bar Magnet

2.2.2.2 Preparation for Test

(a) Inspect the compass for discoloration of the liquid and presence of bubbles.

2.2.2.3 Test Procedure

- (a) Deflect the compass card 30° to the left with the bar magnet and hold it steady until the liquid settles down.
- (b) Remove the bar magnet. The compass should not overswing its equilibrium position by more than 150when the bar magnet influence is removed.
- (c) Repeat Paras 2.2.2.3 (a) and 2.2.2.3 (b), deflecting the compass card to the right.

MAINTENANCE	DATA RECORDIA	SYSTEM	REF. NO.
AVRO AIRCRAFT LTD.	Engineering Div.	INSTRUMENTS	12-2
K. Knowlton.	A/C TYPE - ARROW 1 EFF. A/C - 25201	COMPONENT COMPASS - STAI	NDBY
manufacturer's part no. 1841-	3-A	AVRO PART NO.	
MANUFACTURER'S NAME Eclipse -	Pioneer (RCAF 6B/1337)	NIL	
AVROCAN SPEC. NIL	2.0. NO. 20-25BD-2		
ENVELOPE SIZE 3.75" x 3.5" D	ia. WEIGHT .75 LB.	7-1252-57	Sheet 2
			4. <u>7</u>
LOCATION Pilot's Main Instr	ument Panel.		
FUNCTION Indicates aircraft when J-4 Compass s		REF. M.D.R.	
processing registre		RELIABI	LITY
		OVERHAUL LIFE WASTAGE Q.T.R.	HRS.

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APPROVED	G.Emmerson.	n.r.neid.	It. F. steld.		

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APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	DOM:
3			- 10-625 T.A.		
110	78 - 30-23				
DETAILS:		Lice	THE STATE OF THE S	The second secon	
		GROUND SUPPORT	r EQUIPMENT		
SPECIAL	TOOLS FOR AIRCRA	FT USE	SPECIAL TOOL	S FOR BENCH USE	
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	2. Withdra	4 mounting Screws, w Instrument From ect 1 Electrical (Panel.		

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isconnect 1 Electrical Connector.

Remove and Replace. 1 x 10

		DATA RI	CORD	INSTRUMENTS	REF.	NO.
	AIRCRAFT LTD.	Engi	neering Div.	TWOTHOREWIS	12-	3
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Λ.	* 11110 W T 0011 *	EFF. A/C -	25201			
				AVRO PART NO.		177-17
MANUFACTUR	RER'S PART NO. 3419	9-5A-Al		1		
MANUFACTUE	PEP'S NAME		(. ()			
	Eclipse	e - Pioneer (RCAF	6A/1107)	NIL		
AVROCAN SPI	EC. NIL	E.O. NO. 20-140CA	4-2			
				REF. DWGS.		-
ENVELOPE SI	3.6" x 2.2"	Dia. WEIGH	.75 г.			
LOCATION	513 11 21 7			7-1252-57 SI	heet 2	
_ John I	Pilot's Main Ins	strument Fanel.				
FUNCTION -	Indicates Accele	eration loads on	the Aircraft	REF. M.D.R.		
	in "G" Units.			12-24		
				RELIAB	ILITY	
				OVERHAUL LIFE		HRS.
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DOLLO.		NOBSTRUCTED.				
ISSUE	UI	NOBSTRUCTED.	3			
DATE	U1 27 Aug. 56	NOBSTRUCTED. 2 24 Jan. 57	3 25 Nov. 57			
	UI	NOBSTRUCTED.	3			

		LUBRICATIO	DN NIL		
PLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	
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TAILS:					
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		GROUND SUPPORT	EQUIPMENT	Della Salina Per	
SPECIAL	TOOLS FOR AIRCRAFT	r USE	SPECIAL T	OOLS FOR BENCH USE	
N	IL	The second second	NIL		Mark I would
GROUN	D TESTING EQUIPMEN	IT	GROUND F	HANDLING EQUIPMENT	
NII	Ĺ		Cockpit Access	Stand.	
TERCHANGEABLE	8			MEN X	MINUTES
EPLACEABLE	X	REMOVAL INS	TRUCTIONS	EST.	ACTUAL
	emove 3 Mounting				
		Remove and Re	place.	1 x 4	

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AVRO	AIRCRAFT LTD.	V . 49UOSH Engir	neering Div. A 3 07 947	INSTRUMENTS	12	1 49.
DISTRIBUTION	: STANDARD +	A/C TYPE -	Arrow 7	COMPONENT		
K	.Knowlton	EFF. A/C -		Clock -	8 Day.	
	22322 Waltham	A-13-A (6W/28 -S-ET-12 Watch Co.)	AVRO PART NO.	*/8	es raig
		ia. Weigh	T 1974 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	REF. DWGS.	A	(A) 160 T (BPC)
	THE HAPPY SOF GR	NET TELLET	1	, 7-1252-57 She	et 2	
LOCATION P	Pilot's Main Ins	trument Panel.	the second of the second of	•	9 M I a	
FUNCTION S	Supplied an Indi	cation of time.		REF. M.D.R.		
				12-24		
	CHEMICAL DEL CALIFE	AH TOXXXX	1	RELIAI	BILITY	-4
				OVERHAUL LIFE WASTAGE Q.T.R.		HRS.
INSPECTI	ION				MEN X	MINUTE
PERIOR		OPERATIO	N TO BE PERFORMED			1
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Primary	Check for	Security, Clean	liness and Dama	ove 2 Martina S	1 x 2	ACTU
Primary	Check for and check	Security, Clean	liness and Dama	ove 2 Martina S	1 x 2	100000
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	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS
			- MALERY	
ETAILS:			MARKET AND ASSESSED.	THE THREE PROPERTY.
		GROUND SUPPORT		TYLE CHAPTERS
SPECIAL	TOOLS FOR AIRCRAF	7 002	NIL	FOR BENCH USE
GROUS	D TESTING EQUIPMEN	NT	GROUND HANDL	ING EQUIPMENT
N:		alliantant be on	COCKPIT ACCES	extrastes
TERCHANGEABLE EPLACEABLE	X	REMOVAL INS	TRUCTIONS	MEN × MINUTES
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		Remov	e and Replace.	1 × 4
			e and Replace.	1 x 4
				1 x 4

	ANCE	DATA RECORD	INSTRUMENTS	REF. NO. 12-7
AVRO AIRCRAFT	LTD.	Engineering Div.	DANKERSK.	NO TRANSPORTA
DISTRIBUTION: STANDA	RD +	A/C TYPE - Arrow 1	COMPONENT	
			INDICATOR - ART	IFICIAL
K.Knowlton.		EFF. A/C - 25201	HORIZON	
MANUFACTURER'S PART	NO. 64/30000	0 (6A/1282)	AVRO PART NO.	
MANUFACTURER'S NAME			NIL	
AVROCAN SPEC. NIL	E.O	. NO. 20-20JA-2		
ENVELOPE SIZE 8.4"	x 4.5" dia	WEIGHT 6.5 LB.	REF. DWGS.	
LOCATION Pilots N	4ain Instrume	ent Panel.	7=1252-57 Shee	t 2
	es the attitue e to the true	ude of the aircraft e horizon	REF. M.D.R.	
			RELIABIL	ITY
			OVERHAUL LIFE WASTAGE Q.T.R.	HRS.
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Periodic	Remove for	ACCESSIBILITY	Tamponage . F	
	Remove for	ACCESSIBILITY UNOBSTRUCTED.		
ISSUE]		ACCESSIBILITY UNOBSTRUCTED.		
ISSUE 1 DATE 9 Jan.	57 25	ACCESSIBILITY UNOBSTRUCTED。		
ISSUE 1 DATE 9 Jan. COMPILED Sgt. Dut	57 25 hamel Sg	ACCESSIBILITY UNOBSTRUCTED.		

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APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS
			10-20-323	
DETAILS:		81.	secretaria son	
				
SDECIAL T	COOLS FOR AIRCRAF	GROUND SUPPORT		OLS FOR BENCH USE
SPECIAL	OOLS FOR AIRCRAF	I USE	SPECIAL TO	OLS POR BENCH USE
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GROUNI	TESTING EQUIPME	NT	GROUND HA	NDLING EQUIPMENT
Air Conditioner	and Generator	· A.C.	Cockpit Access	Stand.
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AVRO	AIRCRAFT LTD.	Engineering Div.	TINDITORIENTO	12=1	.0
	N: STANDARD +	A/C TYPE Arrow 1	COMPONENT		
		•	INDICATOR - T	URN AND S	LIP.
K.Kno	owlton	EFF. A/C - 25201			- 3
MANUFACTU	RER'S PART NO. Type	E AE 355-1-A (RCAF 6A/1299)	AVRO PART NO.		
	RER'S NAME Aviation		NIL		
AVROCAN SP	PEC. NIL	E.O. NO. 20-20AF-2			-
ENVELOPE S	SIZE 6.0" x3.25"	х 3.25 ^п weight 1.6	REF. DWGS. 7-1252-57 7-1100-2		
LOCATION F	Pilot's Main Inst	trument Panel.			
THE TOTAL PROPERTY.					
FUNCTION		of turn indication and amoun	nt REF. M.D.R.		
	of slip or skid	1.0	12-24		
			RELIABI		
			OVERHAUL LIFE		HRS.
			WASTAGE Q.T.R.		
		Transcription of the state of t			
	TION			MENY	MILTES
Periodi	Check for Function 71/MAINT		damage.	EST.	
PERIC	Check for Function 71/MAINT	r cleanliness, security and the Gýro (See maintenance	damage.	EST.	
Primary	Check for Function 71/MAINT	r cleanliness, security and the Gýro (See maintenance 12/5.)	damage.	EST.	
Primary	Check for Function 71/MAINT	r cleanliness, security and the Gyro (See maintenance 12/5.) or Calibration Check.	damage.	EST.	
Primary	Check for Function 71/MAINT	r cleanliness, security and the Gyro (See maintenance 12/5.) or Calibration Check.	damage.	EST.	
Primary	Check for Function 71/MAINT	r cleanliness, security and the Gyro (See maintenance 12/5.) or Calibration Check.	damage.	EST.	
Primary	Check for Function 71/MAINT	r cleanliness, security and the Gyro (See maintenance 12/5.) or Calibration Check.	damage.	EST.	
Periodi Periodi	Check for Function 71/MAINT Remove For	r cleanliness, security and the Gýro (See maintenance 12/5.) or Calibration Check. ACCESSIBILITY UNOBSTRUCTED.	damage.	EST.	
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Periodi Periodi	Check for Function 71/MAINT Remove For	r cleanliness, security and the Gýro (See maintenance 12/5.) or Calibration Check. ACCESSIBILITY UNOBSTRUCTED.	damage.	EST.	

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APPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCI	ESS	7	
		100	The special section				
DETAILS:		Walter Transport	and a constant			TATORA -	1
						HETOGRAM	
		GROUND SUPPOR	T EQUIPMENT		BREE	CHINE LEVEL	
SPECIAL	TOOLS FOR AIRCRAFT	r use	SPECIAL TO	OOLS FOR BENCH	USE		4 1
N	IL		N	IL			
	10-57						
GROUI	ND TESTING EQUIPMEN	IT	GROUND HA	ANDLING EQUIPMEN	T		
							11 00
ir Condition	er And Generator	· AC	Cockpit Access S	tand.			

					Trans.		_
INTERCHANGEABL	EX	REMOVALI	NSTRUCTIONS			MINUTES	A
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	Transa anala	amilial souns!	NSTRUCTIONS			,	Ac
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	1. Remove 4 Mc 2. Withdraw Ir 3. Disconnect	ounting Screws estrument From P 1 Electrical Co	anel. nnector.		EST.	,	A4
	1. Remove 4 Mc 2. Withdraw Ir	ounting Screws estrument From P 1 Electrical Co	anel. nnector.		EST.	,	A4
	1. Remove 4 Mc 2. Withdraw Ir 3. Disconnect	ounting Screws estrument From P 1 Electrical Co	anel. nnector.		EST.	,	A4
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	1. Remove 4 Mc 2. Withdraw Ir 3. Disconnect	ounting Screws estrument From P 1 Electrical Co	anel. nnector.		EST.	,	A

MAINTENANCE	DATA RECORD	SYSTEM INSTRUMENTS	REF. NO. 12-12
AVRO AIRCRAFT LTD.	Engineering Div.	INDITIONENIS	12-12
DISTRIBUTION: STANDARD +	A/C TYPE - Arrow 1	COMPONENT	
K. Knowlton	EFF. A/C - 25201	Indicator - Cabi	n Pressure
manufacturer's part no. 60-603	(RCAF 6A/1162)	AVRO PART NO.	×
MANUFACTURER'S NAME Aerno		N/A	
AVROCAN SPEC. NIL	o. no. 20-70KA		
ENVELOPE SIZE 2.5 M x 2.15 M x	2.15" WEIGHT 1.0 L	REF. DWGS.	
LOCATION Pilot®s main instru	ment panel	7=1252=57	
FUNCTION Indicates the cabinal titude.	n pressure in feet of	REF. M.D.R.	
		RELIABIL	. IT Y
		OVERHAUL LIFE WASTAGE Q.T.R.	HRS.

INSPECTI	ION	OPERATION TO BE PERFORMED	MEN X	MINUTES
PERIO	D		EST.	ACTUAL
Primary	Check for	security cleanliness and damage.	1 x 1	
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(25 Hrs.	Remove fo	or calibration check.	1 x 20)
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	- \			
		ACCESSIBILITY		
	Unobstru	ated		
	01100000			
SSUE	1	2		1
DATE	18 Jan. 57	10 Jan.58		
	Sgt Duhamel	Sgt McEgan		*******
COMPILED				
CHECKED	D. Collingwood	O.J. Lemyre R.F. Reid		

		LUBRICA	TION NIL	STREET, ST	STAGE
PPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	ACCESS	
		,			
ETAILS:					
		GROUND SUPPOR	OT FOUIPHENT		
SDECIAL T	TOOLS FOR AIRCRAF			S FOR BENCH USE	
SPECIAL	OOLS FOR MICHAEL	1 002			
	NIL			NTT	
	n n			NIL	
GROUNI	TESTING EQUIPME	NT	GROUND HAND	LING EQUIPMENT	
	NIL		Cooknit pages stand		
	MID		Cockpit access stand		
NTERCHANGEABLE	x	REMOVAL	INSTRUCTIONS		N × MINUTES
EPLACEABLE				ES	T. ACTUAL
l. Remove 4	mounting scree	ws.			
2. Withdraw	instrument fro	om panel.			
			Remove and replace	l x	4
				1	
	ī				

MAINTENANCE	DATA RECORD	SYSTEM	REF.	Contract.
AVRO AIRCRAFT LTD.	Engineering Div.	INSTRUMENTS	12-	10
DISTRIBUTION: STANDARD +	A/C TYPE - Arrow 1	COMPONENT		
K. Knowlton	EFF. A/C - 25201	Indicator - Skir	n Tempera	ture
MANUFACTURER'S PART NO. B3	38∞F	AVRO PART NO.		
MANUFACTURER'S NAME Liqui	dometer Corp.	7-1252-	≈15	
Avrocan spec. E418	E.O. NO.			
ENVELOPE SIZE 5.65"x 2.0	Dia. WEIGHT .75 LB.	REF. DWGS.		
LOCATION Pilot's main in	nstrument panel	7-1252-	-57 sht 2	
FUNCTION Indicates aircr	aft skin temperature in flight; temperature indicator on the	REF. M.D.R.		
ground.	cemperature marcator on an	12-	-47	
0-		RELIAB	ILITY	
		OVERHAUL LIFE 100	00rest	HRS.
		Q.T.R. Liq. ER 1	1307	
INSPECTION	OPERATION TO BE PERFORMED	D. C.	MEN X	MINUTE
PERIOD			EST.	ACTU

INSPECTION		OPERATION TO BE PERFORMED			K MINUTES
PERIO	D			EST.	ACTUAL
Primary	Check for (See Mair	· cleanliness and ntenance Instruct	damage. Function inditions Report 71/MAINT 1	cator 2/5) 1 x 2	
Periodic (25 Hrs.		ectrical connecto	or and wiring for secur	ity and 1 x 4	
	Unobstruc	ACCESSIBILI	тҮ		
ISSUE	1	2	3		
DATE	6 June 56	24 Jan. 57	10 Jan. 58		
COMPILED	D. Collingwood	D.Collingwood	Sgt McEgan		
CHECKED	W02 Wentworth	Sgt Duhamel	O.J. Lemyre		
APPROVED	G. Emmerson	R.F. Reid	R.F. Reid		

APPLICATION	MATERIAL	SPECIFICATION	ON NIL FREQUENCY	ACCESS		
2 Dick Hon			- 744.42	CONTRACTOR	dest training	
DETAILS:						- /
SPECIAL	TOOLS FOR AIRCRAFT	GROUND SUPPORT	SPECIAL TOO	OLS FOR BENCH USE		
	NIL		minima or and a	NIL		
GROUI	ND TESTING EQUIPMEN	Т	GROUND HA	NDLING EQUIPMENT		
Air Conditio	oner and Generat	or AC	Cockpit access st	and		
INTERCHANGEABL	EX	REMOVAL INS	TRUCTIONS		N × MINUTES	_ ^
REPLACEABLE	l mounting scrè			ES.	r. ACTUAL	-
2. Withdra	w instrument fract l electrica	om panel.	Remove and replac	е 1 х	- 5	
			ttemove and Teplac			
	į					

MAINTENANCE	DATA RECORD	SYSTEM INSTRUMENTS	REF. NO.
AVRO AIRCRAFT LTD.	Engineering Div.	THOTHOLITINE	12-11
K. Knowlton	A/C TYPE - Arrow 1 EFF. A/C - 25201	COMPONENT Indicator - Land Position	ing Gear
MANUFACTURER'S PART NO. 303-14L MANUFACTURER'S NAME Key stone AVROCAN SPEC. N/A E.O	Watch Co.	AVRO PART NO. N/A	
ENVELOPE SIZE 1.85" x 1.4" x (each indicato LOCATION Pilot's main instrum	r)	7=1152= 7=1252= 7=1252=	57
FUNCTION Indicates the posit landing gear (3 indicators		REF. M.D.R.	
		RELIABIL	LITY
		OVERHAUL LIFE WASTAGE Q.T.R.	HRS.
INSPECTION	OPERATION TO BE PERFORME		MEN × MINUTE

MINUTES	MEN × M	TO BE PERFORMED		INSPECTION	
ACTUAL	EST.				PERIOD
Arese	6.194.0				
,J	1 x 5	iness and damage. Function nance Instructions Report	cator (See Mainte	Check for the indic 71/MAINT	Primary
	1 x 10	ons for security. Function nance Instructions	ectrical connecti cator (See Mainte 1/MAINT 11/4)	the indic	Periodic (25 Hours)
		Y	ACCESSIBILIT		
		· ·	cted	Unobstru	
		3	2	1	ISSUE
		10 Jan. 58	25 Mar.57	Aug. 56	DATE 30 A
		Sgt McEgan	D. Collingwood	2 Wentworth	
			Sgt McEgan	Collingwood	CHECKED D. C
		R.F. Reid	R.F. Reid	Emmerson	APPROVED G. H
		10 Jan.58 Sgt McEgan O.J. Lemyre	25 Mar.57 D. Collingwood Sgt McEgan	Aug. 56 Wentworth Collingwood	CHECKED D. (

PPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	AC	CESS	
CAILS:				A PA		
		GROUND SUPPOR	T EQUIPMENT			
SPECIAL	TOOLS FOR AIRCRAF	T USE	SPECIAL TOO	LS FOR BENCH	USE	
	NIL			NIL		
GROUN	D TESTING EQUIPMEN	NT	GROUND HAN	IDLING EQUIPME	NT	
	ner and Generat raulic System T		Cockpit access sta	nd		
NTERCHANGEABLE	x	REMOVALI	STRUCTIONS		MEN × MINUT	
EPLACEABLE					EST. ACT	UAL
	ect 1 electrica					
			Remove and replace		1 x 5	
=	1					
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÷	:			i		
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		ATA RECORD	SYSTEM INSTRUMENTS	REF. 1 12- 11-E	47
AVRO AIRCRA		Engineering Div.	COMPONENT	TIPD	112
K. K	(nowlton	EFF. A/C - 25201	Sensor - Skin Temperatur		
MANUFACTURER'S PA	акт NO. B241-F		AVRO PART NO.		
MANUFACTURER'S NA	ME Liquidometer	Corp.	7-1152-1	106	
AVROCAN SPEC. EZ	418 E.O. N	ю.			
	2.05" x 2.05" x	1.36% WEIGHT .17 LB. (Sta. 111.96)	REF. DWGS.	2	
FUNCTION Sense signal to the	es changes of te e transistorized	emperature and feeds a instrument.	REF. M.D.R. 12-16		
			RELIABIL	ITY	
			overhaul life 1000 wastage q.t.r. LIQ ER 1307	est	HRS.
INSPECTION		OPERATION TO BE PERFORMI	EN	MEN X P	MINUTES
PERIOD				EST.	ACTUA
Primary	Check sensor	for security and cleanlin	ess.	lxl	
Primary Periodic (25 Hours)		for security and cleanlin		1 x 1	
Periodic	Check electri				
Periodic	Check electri				
Periodic	Check electri				
Periodic	Check electri				
Periodic	Check electri	ACCESSIBILITY on underside of radome -			

2

D. Collingwood WO2 Wentworth 10 Jan.58

Sgt McEgan O.L. Lemyre R.F. Reid

3 Jan. 57

R.F. Reid

ISSUE

DATE

CHECKED

APPROVED

11 May 56

D. Collingwood G. Emmerson

		LUBRICAT	TION NIL			
PPLICATION	MATERIAL	SPECIFICATION	FREQUENCY	A	CCESS	
ETAILS:						
		GROUND SUPPOR	T EQUIPMENT			
SPECIAL	TOOLS FOR AIRCRAF	T USE	SPECIAL TOOLS	FOR BENC	H USE	
	NIL			NIL		
GROUN	D TESTING EQUIPME	NT	GROUND HANDL	ING EQUIPM	ENT	
	1 - 1 - 11 - 11 - 11					
Air Condition	ner and Generat	or AC	4G/1596 Maintenance Adjustable t	platform	n	
NTERCHANGEABLE	X			0 10	MEN X I	MINUTES
EPLACEABLE		REMOVALIN	ISTRUCTIONS		EST.	ACTUAL
	ect 1 electrics 4 mounting scre		Remove and replace		1 x 5	
			200.000		- 11	
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