

QCX
Avro
CF105
AAMS-
105-1
App.1
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ANALYZED

Aircraft Equipment List

Appendix I To
Model Specification

AAMS-105/1 Issue 3

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AAMS-105/1
APPENDIX 1
APRIL 1957
(Issue 3)

ANALYZED

APPENDIX I
TO
MODEL SPECIFICATION
FOR
ARROW 1
SUPERSONIC AIRCRAFT



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TABLE OF CONTENTS

(Cont'd)

	<u>Page</u>
Appendix 1-C	
Contractor Furnished - Contractor Installed (Cont'd)	
<u>Hydraulics</u>	36
<u>Instruments</u>	45
<u>Landing Gear</u>	46
<u>Oxygen</u>	47
<u>Pneumatics</u>	48



INTRODUCTION

1. This Equipment List as defined below is issued to show the airborne equipment installed in the CF-105 aircraft.

The list is divided into three parts:

Appendix 1-A Government Furnished - Contractor Installed Equipment

Appendix 1-B Government Furnished - Government Installed Equipment

Appendix 1-C Contractor Furnished - Contractor Installed Equipment

The equipment will be shown in three stages of progress, i.e.:

- (a) When only the quantity and name of part are shown, it implies that no Engineering Instruction has been issued for the purpose of ordering the part.
 - (b) Where the part number has been added, instructions have been issued by the Engineering Department for the purchasing of this part.
 - (c) The specification number, when shown, indicates that the specification has received at least tentative approval by the R.C.A.F.
2. All items shown are effective for the first aircraft unless otherwise indicated.
 3. Amendments to this list will be periodically issued by the Model Specification Group.

ELECTRONICS (INTERIM SYSTEM)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs.	Appli- cable A/C
		Part No.	Spec. No.		
	<u>IFF AN/APX-6A</u>				
1	Receiver - Transmitter	RT-279/APX	MIL-R-8326	38.00	
1	Control, Radar Set	C1158/APX	MIL-C-8327	3.70*	
1	Mounting Base	MR-362A/A	C-16R91 (AER)	3.60*	
	<u>TACAN AN/ARN-21</u>				
1	Receiver - Transmitter	RT-220/ARN-21		66.00 *	
1	Mounting	MT-928/ARN-21 RCAF 10EP/36243		4.50*	
1	Indicator, Range	ID-310/ARN RCAF 10EA/44476	XEL-178	4.00*	
1	Control, Radio Set	C866/ARN-21 RCAF 10EA/36240		1.80*	
1	Network, Phase Detecting	CV-279/ARN RCAF 10ES/44477		4.00*	
1	Indicator, Azimuth	ID-307/ARN RCAF 10ES/44475	XEL-168(BUAER)	4.00*	
1	Indicator, Cross Pointer	ID-249/ARN RCAF 10EA/39430		3.70*	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX I-A
GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

CONFIDENTIAL

PAGE 2

ELECTRONICS (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Radio Compass AN/ARN-6</u>				
1	Receiver	R-101A/ARN-6 RCAF 10EU/28137		41.50*	
1	Mounting, Receiver	MT-273B/ARN-6 RCAF 10EA/27485		3.50*	
2	Indicator, Radio Magnetic	ID-250/ARN		3.00*	
1	Loop Cable (6' 0" Long)	GF-132/ARN-6 RCAF 10EA-30158		8.25*	
	<u>Direction Finder AN/ARA-25</u>				
1	Amplifier, Electronic Control	AM/608/ARA25		6.10*	
1	Relay Solenoid	RE120/ARA25		8.70*	
1	Antenna	AS-578A/ARA25(XM3) RCAF 10EA/50110		15.00*	
1	Mounting, Amplifier Electronic Control	MT-1043/ARA25		2.20*	
1	Mounting, Relay Solenoid	MT-1042-ARA25		1.25*	
	<u>J4 Compass</u>				
1	Directional Gyro	Kearfott 423040-2 RCAF 6B/677	MIL-C-8412	1.30*	
1	Servo & Amplifier Assy	Kearfott 423060-2 RCAF 6B/678	MIL-C-8412	8.50*	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-A
GOVERNMENT FURNISHED EQUIPMENT

CONTRACTOR INSTALLED

AAMS-105/1
REV. APRIL 1957

CONFIDENTIAL

PAGE 3

ELECTRONICS (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C-
		Part No.	Spec. No.		
	<u>J-4 Compass (Cont'd)</u>				
1	Control Panel	Kearfott 423050-2 RCAF 6B/676	MIL-C-8412	2.00*	
1	Remote Compass Transmitter	Sperry 620359 RCAF 6B/750		1.00*	
1	Compensator	Sperry 620783 C90238			
	<u>U.H.F. Communication AN/ARC-34</u>				
1	Transmitter-Receiver	RT-263/ARC-34 RCAF 10EU/44176	MIL-R-7646C	47.00*	
1	Mounting	MT-1099/U RCAF 10EA/44177	MIL-R-7646C	2.50*	
2	Control, Radio Set	1057/ARC-34 RCAF 10EA/44178	MIL-R-7646B	3.00*	
	<u>Interphone AN/AIC-10.</u>				
2	Control Panel	C-824/AIC-10 RCAF 10EA/34712	MIL-C-9306	6.60*	
1	Relay Assembly	RE-94/AIC-10 RCAF 10EA/34713	MIL-R-9405	1.90*	
1	Dynamotor	DY-77/AIC-10 RCAF 10EA/35081	MIL-D-9283	4.30*	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX I-A
GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

CONFIDENTIAL

PAGE 4

ELECTRONICS (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
1	<u>Interphone AN/AIC-10 (Cont'd)</u> Mounting - Dynamotor	MT-1060/U RCAF 10EA/40255		1.00*	

*Estimated Weight

MODEL SPECIFICATION
APPENDIX I-A
GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1

APRIL 1957

CONFIDENTIAL

INSTRUMENTS

CONFIDENTIAL

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
1	Compass, Magnetic Standby	AN5766 T4 RCAF 6A/1337	MIL-C-5604	0.75*	
1	Indicator, Airspeed (Mach)	AERNO 60-4839 RCAF 6A/10186 USAF Type ME-4		0.80*	
1	Indicator, Artificial Horizon Including Micro Switch Plate	RCAF 6A/1282 BZ-7RQIT RCAF 5CB/557 64-90506 RCAF 6A/1365		6.50*	
1	Indicator, Rate of Climb (0-6000 Ft./min.)	Aviation Electric AE 342-2-A RCAF 6A/10170		1.20*	
1	Indicator, Turn and Bank	RCAF 6A/1299	INST-1-9	1.60*	
1	Accelerometer	RCAF 6A/1107	MIL-A-5885A	0.75*	
1	Indicator, Cabin Pressure	AERNO 60-603 RCAF 6A/1162	MIL-I-5099A (AER)	1.00*	
1	Altimeter (0-80,000 ft.)	AERNO 60-602 RCAF 6A/10185	MIL-A-6863	1.31*	
1	Clock (8 day)	Type A-13A RCAF 6W/28	MIL-C-6499	0.75*	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX I-A
GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

PAGE 6

MODEL SPECIFICATION
APPENDIX I-A

AAMS-105/1
APRIL 1957



GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

OXYGEN

Qty Per A/C	Description	Identification		Unit Wt. In Lbs.	Appli- cable A/C
		Part No.	Spec. No.		
2	Regulator, Oxygen				
2	Reducer, Pressure				

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PAGE 8

AAMS-105/1
APRIL 1957
INSTALLED

~~CONFIDENTIAL~~

Qty Per A/C	Description	Identification		Unit	Appli-
		Part No.	Spec. No.	Wt.In Lbs	cable -A/C-
	<u>P & W Installation Kit consisting of</u> (Cont'd) Qty - 1 Kit per YJ75P5 Production Engine				

MODEL SPECIFICATION
APPENDIX I-A
GOVERNMENT FURNISHED

AAMS-105/1
APRIL 1957
INSTALLED



AAMS-105/1
APRIL 1957

APPENDIX 1-B

GOVERNMENT FURNISHED - GOVERNMENT INSTALLED EQUIPMENT

This list to be included upon receipt of information
from the R.C.A.F.

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PAGE 10

CONTENTS

Page 11

AAMS-105/1
APRIL 1957
STOR INSTALLED

AIR CONDITIONING (Cont'd)

CONFIDENTIAL

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
1	Regulator - Air Pressure (Cockpit)	Avro 7-2252-1		4.21	
1	Valve, Shut-Off 2.0" (Electric)	Avro 7-2252-22	Avrocan E-325	3.00*	
2	Valve, Pressure Reducing and Non-Return - 3.0"	Avro 7-2256-5	Avrocan E-236	7.82	
1	Valve, Non-Return and Shut-Off	Avro 7-2254-4	Avrocan E-239	2.25*	
1	Valve, Flow Augmentor and Shut-Off	Avro 7-2254-3	Avrocan E-237	4.17	
1	Valve, Safety Cabin Air Pressure	Avro 7-2252-328	MIL-V-5397	1.80*	
1	Controller	Avro 7-2252-329	MIL-V-5397	1.74*	
1	Valve, Shut-Off 3.5" (Electric)	Avro 7-2252-2	Avrocan E-434	2.70*	
2	Valve, Ram Air	Avro 7-2252-3	Avrocan E-309	3.180*	
1	Valve, Shut-Off 2.5"	Avro 7-2252-201	Avrocan E-309	3.13	
1	Filter, Cockpit Pressure	Avro 7-2252-316		1.50*	
1	Valve, Relay, Cockpit Pressure	Avro 7-2252-278		1.00*	
2	Valve, Non-Return, Engine Bleed Air	Avro 7-2254-579	Avrocan E-322	2.48	
2	Valve, Shut-Off Engine Bleed Air	Avro 7-2295-55		3.00*	
1	Valve, Relief	Normalair 514370			
1	Valve, Inward Relief	Avro 7-2252-403	MIL-V-5379		
			*Estimated Weight		

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MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

AIR CONDITIONING (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs.	Appli- cable A/C
		Part No.	Spec. No.		
2	Switch, Pressure, Engine Bleed	Avro 7-2256-189			
6	Thermostat, Leakage Sensing System	Avro 7-2250-126			
1	Thermostat, Leakage Sensing System	Avro 7-2250-127			
1	Thermostat, Leakage Sensing System	Avro 7-2250-128			
1	Thermostat, Leakage Sensing System	Avro 7-2250-129			
1	Thermostat, Leakage Sensing System	Avro 7-2250-131			
1	Thermostat, Leakage Sensing System	Avro 7-2254-2142			
1	Controller, Turbine Outlet Temp.	Avro 7-2254-348			
1	Pick-Up, Duct Temperature	Avro 7-2254-349			



MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

~~CONFIDENTIAL~~

PAGE 14

 MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

ICE ELIMINATION

CONFIDENTIAL

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Airframe De-Icing</u>				
1	Boot L.H.] Intake Ramp De-Icer Boot No. 1	Avro 7-2055-91		2.64*	
1	Boot R.H.]	Avro 7-2055-92		2.64*	
1	Boot L.H.] Intake Ramp De-Icer Boot No. 2	Avro 7-2055-93		10.86*	
1	Boot R.H.]	Avro 7-2055-94		10.86*	
1	Boot L.H.] Intake Lip De-Icer Boot No. 3	Avro 7-2055-95		4.11*	
1	Boot R.H.]	Avro 7-2055-96		4.11*	
1	Boot L.H.] Intake Lip De-Icer Boot No. 4	Avro 7-2055-97		3.18*	
1	Boot R.H.]	Avro 7-2055-98		3.18*	
1	Boot L.H.] Intake Lip De-Icer Boot No. 5	Avro 7-2055-101		3.02*	
1	Boot R.H.]	Avro 7-2055-102		3.02*	
1	Boot L.H.] Intake Lip De-Icer Boot No. 6	Avro 7-2055-103		2.11*	
1	Boot R.H.]	Avro 7-2055-104		2.11*	
1	Boot L.H.] Intake Ramp De-Icer Boot No. 7	Avro 7-2055-117			
1	Boot R.H.]	Avro 7-2055-118			
1	Controller Electrical	Avro 7-2052-13	Avrocan E-214		
			*Estimated Weight		

PAGE 15



MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

ICE ELIMINATION (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Airframe De-Icing (Cont'd)</u>				
1	Detector, Ice (Airframe)	Avro 7-2055-27	Avrocan E-213	1.50*	
1	Filter	Avro 7-2055-105	Avrocan E-213		
2	Control Box, Power Distributor	Avro 7-2052-12	Avrocan E-217	9.00*	
2	Relay, 3 P.S.T. 25A Class B	MS-24143-1	MIL-R-6106	1.00*	
26	Thermostat, Surface De-Icing 70°F	Avro 7-2055-62		2.40*	
	<u>Engine Anti-Icing</u>				
2	Detector, Ice	Avro 7-2055-27	Avrocan E-213	3.00*	
2	Filter	Avro 7-2055-105	Avrocan E-213		
	<u>Radome Anti-Icing</u>				
1	Relay, Time Delay	Avro 7-2051-11	Avrocan E-339	2.00*	
1	Filter, Fluid (Anti-Icing)				
1	Valve, Shut-Off c/w A.N.D. 10056-4 Fig. 1	Eckel CAF-40		0.95*	
1	Valve, Check	AN 6027-4	MIL-V-5524A	0.09*	
1	Valve, Air Pressure Regulator	27 C 34		1.50*	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

(CONFIDENTIAL)

PAGE 16

CONCRETE

PAGE 17

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

ELECTRICAL

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	Actuator, Canopy, (Normal)	(Refer to Canopy Actuation)			
2	Alternator 208/120V 30KVA 3 Phase	Avro 7-1125-11	Avrocan E-202	52.00	*
1	Battery, Storage (Hermetically Sealed)	Avro 7-1152-11	Avrocan E-209	47.00	*
1	Box, Annunciator	Avro 7-1152-153	Avrocan E-470		
1	Control Box, Master Warning	Avro 7-1152-12	Avrocan E-376	11.00	*
	Element, Sensing, Skin Temperature	(Reference Instruments)			
1	Flasher, Navigation Light	Avro CS-F-106	Avrocan E-224	2.10	*
1	Flasher, Light(U/C Warning)	Northern Electric Type 606		1.50	*
1	Mounting, Flasher	Canada Motors 19101-1			
1	Light, Red - Wing Tip	Avro 1CS-L-129	Avrocan E-229	0.20	*
1	Light, Green - Wing Tip	Avro 2CS-L-129	Avrocan E-229	0.80	*
1	Light, Red - Fin Tip	Avro 7-1183-11	Avrocan E-229	0.80	*
1	Light, White - Fin Tip	Avro 7-1183-12	Avrocan E-229	0.80	*
1	Light, Landing			2.00	*
1	Light, Taxi			2.00	*
				*Estimated Weight	

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

ELECTRICAL (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
16	Lamp, Incandescent T.I.-3/4 Bulb	AN 3140-327	MIL-W-L-111	0.002	*
2	Indicator, Light (Case Grounded)	Avro CS-L-132	Avrocan E-268	0.01	*
2	Light, Cockpit Utility	Grimes D7825			
24	Indicator, Warning (Cockpit)	Avro 2CS-I-108	MIL-L-3661	0.1*	
2	Indicator, Warning Dual	Avro 1CS-I-109	MIL-L-3661	0.08*	
1	Indicator, Warning Dual	Avro 2CS-I-109	MIL-L-3661	0.08*	
1	Indicator, Warning Dual	Avro 3CS-I-109	MIL-L-3661	0.08*	
16	Indicator, Warning (Press to Test)	Avro 1CS-I-107	Avrocan E-318	0.08*	
29	Panel Light Assembly	Grimes MS 25010 -3A		0.08*	
39	Light Fixture, Instrument	Grimes A8285-24		0.10*	
2	Detector, Power Failure	Avro 7-1156-11	Avrocan E-296	1.25*	
1	Transformer Rectifier (Control Unit)	Avro 7-1156-12	Avrocan E-202	1.680	*
5	Transformer, Internal Lights	Avro CS-T-134	Avrocan E-352	1.75*	
1	Transformer, Primary 200/115V 3 Phase 400 Cycle - Secondary 115V	Avro 7-1152-31	Avrocan E-291	2.00*	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX I-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

CONTINUED

PAGE 19

ELECTRICAL (Cont'd)

CONFIDENTIAL

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
1	Panel, Landing Gear Select Control	Avro 7-1152-8		1.50*	
22	Relay, 4 P.D.T. - 10A - Class A	MS 25024-1	MIL-R-6106	0.80*	
27	Relay, 2 P.D.T. - 10A - Class B	Avro CS-R-122	MIL-R-6106A	0.35*	
2	Relay, 3 P.S.T. - 25A - Class B	MS 24143-1	MIL-R-6106	1.45*	
1	Relay, S.P.S.T. - 50A - Class B	MS 24140-1	MIL-R-6106	0.85*	
1	Relay, S.P.S.T. - 50A - Class B	MS 24140-2	MIL-R-6106	0.85*	
3	Relay, 3 P.S.T. - 50A - Class B	MS 24144-1	MIL-R-6106	2.50*	
1	Relay, S.P.D.T. - 50A - Class A	Avro CS-R-128	MIL-R-6106A	0.90*	
1	Relay, S.P.S.T. - 100A - Class B	MS 24141-1	MIL-R-6106	1.35*	
4	Relay, 3 P.S.T. - 100A - Class B	MS 24168-1	MIL-R-6106	2.50*	
2	Relay, Differential Current Protection	Avro CS-R-123	Avrocan E-360	4.50*	
2	Relay, Time Delay	Avro CS-R-126	Avrocan E-285	0.50*	
4	Relay, Latch In D.P.D.T. Class A	Avro CS-R-133	MIL-R-6106A	0.50*	
	Relay, Time Delay	(Refer to Ice Elimination Section)			
	Relay, 3 P.S.T. - 25A Class B				
				*Estimated Weight	

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

ELECTRONICS - INTERIM SYSTEM

MODEL SPECIFICATION
 APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
 AAMS-105/1
 APRIL 1957

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>X-Band Beacon Installation</u> comprising:-				
1	Power Supply, Bendix Model RPX-1	Bendix 1080175		4.50*	Complete Provision only for X-Band Beacon Installation
1	Receiver Transmitter, Bendix Model RBX-1 Radar Beacon	Bendix 556725		6.25*	
1	Waveguide Attenuator, X-Band	Avro 7-1362-21			
1	Waveguide Hydrid T Dummy Load and Tee Section	Avro 7-1362-25			
1	Waveguide Crystal Mount and Attenuator X-Band Beacon	Avro 7-1362-23			
1	Waveguide, Dorsal Assy. X-Band Beacon	Avro 7-1362-27			
1	Insulating Shim for X-Band Wave- guide	Avro 7-1362-29			
1	Pressurized Mica Window for X-Band Waveguide	Airtron 54500			
				*Estimated Weight	

CONFIDENTIAL

ELECTRONICS - INTERIM (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>TACAN AN/ARN-21</u>				
1	Transformer, 115V. to 26V. CPS	Avro CS-T-154	MIL-T-27	2.00*	
	<u>Low Frequency Radio Compass</u>				
	<u>AN/ARN-6</u>				
2	Control Panel	C-1513	MIL-C-8425	2.80*	
1	Amplifier Tuning Drive Unit	Avro 7-1354-58		3.75*	
1	Susceptiformer Unit	Avro 7-1362-47	Avrocan E-498		
1	Antenna Loop Magnetic	Avro 7-1354-39		1.50*	
1	R.F. Coil Assembly	Avro 7-1354-161	Avrocan E-498		
	<u>U.H.F. Communication ARC/34</u>				
1	Antenna, (Fin) U.H.F. - L-Band	Avro 7-1383-55		7.00*	
1	Antenna, (Lower) U.H.F. Flush Mtg.	Avro 7-1354-11		20.00*	
1	Antenna, Switching Unit	Avro 7-1354-13		15.00*	
	<u>Miscellaneous</u>				
1	Radome, Nose			181.00*	
1	Fin Cap Fairing				
1	Dorsal Fairing				
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

ELECTRONICS - INTERIM (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Miscellaneous</u> (Cont'd)				
4	Coaxial Plug, Special Type "N"	Avro CS-C-161			
1	Coaxial Jack, Special Type "N"	Avro CS-C-160			
6	Coaxial Plug, Special Type "HN"	Avro CS-C-159			
1	Coaxial Jack, Special Type "HN"	Avro CS-C-158			
1	Motor Actuator	Avro 7-1354-12	Avrocan E-347	1.50*	
6	Relay, 4 P.D.T. Hermetically Sealed	Avro CS-R-131	MIL-R-5757B	0.50*	
2	Relay, 4 P.D.T.	Avro CS-R-132	MIL-R-5757B	0.50*	
1	Micro-Switch	Minn. Honeywell MS-24331-1		0.50*	
1	Micro-Switch	Honeywell Controls 21EN9-6			
2	Jack, Coaxial, Special Type "HN"	Avro CS-C-168			
2	Jack, Coaxial, Special Type "N"	Avro CS-C-170			
1	L-Band Antenna Flush Mounting	Avro 7-1354-39	Avrocan E-429	1.50*	
4	Panel Light Assembly	Grimes MS 25010-3A		0.08*	
2	Micro Switch	9AC4			
1	Light Assy. c/w Lamp AN3124-307	Grimes B-3550-307	*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

CONFIDENTIAL

ENGINE INSTALLATION

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Drive Alternator, Constant Speed	Avro 7-2995-5	Avrocan E-230	62.00	
1	Drive Shaft, Engine to Accessory Gear Box, L.H.	Avro 7-2958-7	Avrocan E-206	2.80	
1	Drive Shaft, Engine to Accessory Gear Box, R.H.	Avro 7-2958-8	Avrocan E-206	3.50	
2	Drive Shaft, Vertical	Avro 7-2958-9	Avrocan E-206		
1	Gear Box, Accessory L.H.	Avro 7-2958-3	Avrocan E-206		
1	Gear Box, Accessory R.H.	Avro 7-2958-4	Avrocan E-206	50.50 *	
2	Gear Box, Engine Input	Avro 7-2925-3	Avrocan E-206	20.40 *	
1	Gear Box, Engine Bevel	Avro 7-2925-4	Avrocan E-206		
1	Gear Box, Engine Bevel	Avro 7-2925-5	Avrocan E-206		
2	Gear Box, Accessory Input	Avro 7-2958-5	Avrocan E-206	27.70 *	
1	Gear Box, Fuel Booster Pump L.H.	Avro 7-2958-13	Avrocan E-206	5.80 *	
1	Gear Box, Fuel Booster Pump R.H.	Avro 7-2958-14	Avrocan E-206	5.80 *	
2	Gear Box, Top Corner	Avro 7-2958-6	Avrocan E-206	7.00 *	
2	Bearing, Drive Shaft Support	Avro 7-2958-11	Avrocan E-206	4.80 *	
2	Bearing, Drive Shaft Forward Horiz- ontal	Avro 7-2958-173			

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL, 1957

ENGINE INSTALLATION (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Bearing, Drive Shaft Aft Horizontal	Avro 7-2958-175			
1	Heat Exchanger, (Air to Oil) Gear Box Oil	Avro 7-2956-3	Avrocan E-387	3.50*	
1	Heat Exchanger, (Air to Oil) Gear Box Oil	Avro 7-2956-4	Avrocan E-387	3.50*	
1	Heat Exchanger, (Air to Oil) Engine Oil	Avro 7-2556-3	Avrocan E-386	5.00*	
1	Heat Exchanger, (Air to Oil) Engine Oil	Avro 7-2556-4	Avrocan E-386	5.00*	
2	Starter, Motor, Pneumatic	Avro 7-2995-6	Avrocan E-378	2.50*	
2	Switch, Pressure Oil Differential	Avro 7-1195-13	Avrocan E-274	1.13*	
2	Valve, Ejector Control, Zone 1	Avro 7-1895-41	Avrocan E-390		
2	Switch, Pressure Differential	Avro 7-1856-11	Avrocan E-391	2.00*	
	Indicator, Exhaust Gas Temp. System	(See Instrument Section.)			
	Indicator, Turbine Pressure Ratio	(See Instrument Section.)			
	Transmitter, Turbine Pressure Ratio	(See Instrument Section.)			
1	Filter, Gear Box - Oil System	Avro 7-2958-17	Avrocan E-423	6.00*	
1	Filter, Gear Box	Avro 7-2958-18	Avrocan E-423	6.00*	
1	Tank, De-Aerator L.H.	Avro 7-2956-5	*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

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Page 27

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

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MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

AAMS-105/1
APRIL 1957

FUEL SYSTEM

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Adaptor, Pressure Fuel Servicing	Avro 7-1662-447	Avrocan E-243	3.65*	
2	Cap, Pressure Fuel Servicing	Avro 7-1662-471	Avrocan E-271	0.70*	
2	Valve, Drain Condensate, Tank 1 & 2	Avro 7-1656-8	Avrocan E-368	0.30*	
2	Valve, Drain Condensate, Tank 3	Avro 7-1662-183	Avrocan E-368	0.30*	
2	Valve, Drain Condensate, Tank 4	Avro 7-1662-189	Avrocan E-368	0.30*	
1	Valve, Drain Condensate, Tank 5 L.H.	Avro 7-1662-185	Avrocan E-368	0.30*	
1	Valve, Drain Condensate, Tank 5 R.H.	Avro 7-1662-186	Avrocan E-368	0.30*	
6	Valve, Drain Condensate, Tank 6, 7 & 8	Avro 7-1662-12	Avrocan E-368	0.30*	
1	Cell, Fuel No. 1 (Forward Fuselage)	Avro 7-1754-5	Avrocan E-370	21.17 *	
1	Cell, Fuel No. 2 (Aft Fuselage)	Avro 7-1754-6	Avrocan E-370	22.15 *	
1	Filter, Hot Air	Avro 7-1654-7	Avrocan E-348	3.10*	
1	Limiter, Air Flow	Avro 7-1654-199		0.75*	
2	Limiter, Air Flow	Avro 7-1656-227		0.75*	
2	Limiter, Air Flow	Avro 7-1662-8		0.687 *	
1	Pump, Booster L.H.	Avro 7-1662-583	Avrocan E-203	24.00 *	
1	Pump, Booster R.H.	Avro 7-1662-584	Avrocan E-203	24.00 *	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

FUEL SYSTEM (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Valve, Flow Proportioning Transfer (5 way)	Avro 7-1662-2		12.00 *	
22	Valve, Fuel No Air	Avro 7-1600-45	Avrocan E-201	3.00	
2	Valve, Air Pressure Regulator (Absolute Ref.)	Avro 7-1600-20	Avrocan E-227	3.25*	
1	Valve, Air Pressure Regulator (Differential Ref.)	Avro 7-1600-8	Avrocan E-226	2.50*	
12	Valve, Level Sensing (Pressure Fuel Servicing) Type 1	Avro 7-1600-12	Avrocan E-337	1.58	
2	Valve, Fuel Level Sensing Type 2	Avro 7-1654-361	Avrocan E-337		
1	Valve, Air Pressure Relief (Differential Ref.)	Avro 7-1656-5		2.00*	
2	Valve, Negative "G" and Low Air Admission	Avro 7-1662-7		2.50*	
4	Valve, Air Release	Avro 7-1600-19	Avrocan E-225	1.875*	
2	Valve, Air Pressure Relief (Absolute Ref.)	Avro 7-1656-4	Avrocan E-288	3.00*	
2	Valve, Shut-Off (Pressure Fuel Servicing Collector Tank)	Avro 7-1600-37	Avrocan E-311	1.67*	
10	Valve, Shut-Off (Pressure Fuel Servicing)	Avro 7-1600-11	Avrocan E-311	1.66	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

FUEL SYSTEM (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
5	Valve, Fuel Shut-Off 2½" Diameter (28 Volt)	Avro 7-1600-61	Avrocan E-233	2.50*	
2	Valve, Fuel Shut-Off 3" (Manually Operated)	Avro 7-1662-775	Avrocan E-428	3.10*	
2	Switch, Pressure	Avro 7-1656-9		0.64	
1	Pump, Fuel Transfer L.H.	Avro 7-1656-115		6.75*	
1	Pump, Fuel Transfer R.H.	Avro 7-1656-116		6.75*	
2	Valve, Fuel Pressure Regulator	Avro 7-1656-117	Avrocan E-459	3.00	
2	Valve, By-Pass Controllable	Avro 7-1656-121	Avrocan E-460	2.50	
1	Valve, Air Pressure Regulator	Avro 7-1654-144		2.50*	
4	Valve Element, Swing Check	Avro 7-1662-707		0.12*	
4	Switch, Low Level Warning	Avro 7-1654-213	Avrocan E-362	0.75*	
4	Sensor, Liquid Level	Avro 7-1662-981	Avrocan E-362	0.25*	
	Tank Units	(Refer to Instrument List)			
2	Switch, Fuel Pressure	Avro 7-1656-51	Avrocan E-422		
2	Valve, Transfer, Pump By-Pass Override	Avro 7-1656-395			
2	Valve, Vent Intake Type I	Avro 7-1654-21			
4	Valve, Vent Intake Type II	Avro 7-1654-22			
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

FLYING CONTROLS (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Aileron (Cont'd)</u>				
2	Regulator, Tension Cable Type	Avro 7-1562-51	Avrocan E-419	3.50*	
2	Servo, Differential	Avro 7-3260-11		4.00*	
1	Servo, Parallel Type 2	Avro 7-3262-167	Avrocan E-297	4.00*	
1	Transducer, Stick Force				
2	Valve, Control	Avro 7-3264-12		3.00*	
2	Cable Guard	Avro 7-1552-139		0.08*	
	<u>Rudder</u>				
1	Actuator, Feel Unit	Avro 7-1583-61		3.00*	
1	Amplifier Control, Magnetic	Avro 7-1583-165			
1	Actuator, Trim Unit	Avro 7-1583-63		3.40*	
1	Jack and Linkage	Avro 7-3283-5	Avrocan E-278	23.50 *	
1	Regulator, Cable Tension Quadrant Type	Avro 7-1552-165		6.00*	
1	Servo, Differential	Avro 7-3283-7		4.00*	
1	Valve, Control	Avro 7-3283-8		1.78*	
2	Cable Guard	Avro 7-1552-139		0.08*	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

FLYING CONTROLS (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Miscellaneous</u>				
1	Grip-Stick, B-8A (Guardian Type)	Avro 7-1552-143		2.34	
5	Potentiometer, Positional, Control Surface	Avro 7-1100-21			
	Sensor, Relative Wind and Static Pressure				
	Sensor, Relative Wind and Static Pressure General				
	<u>Damping System</u>				
1	Amplifier (Auto Stabilization)				
	Transformer, Differential (Positional for Damping System)	Avro 7-1100-23			

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

FURNISHINGS

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Seat, Structure Assy. (Pilot and Observer/AI)	Avro 7-2852-12			
2	Gun, Ejection				
2	Cartridge, Primary				
4	Cartridge, Auxiliary				
2	Cartridge, Drogue				
2	Parachute (Complete with Harness)	MBEU/7670			

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

HYDRAULICS - UTILITY SYSTEM

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Power Circuit</u>				
1	Accumulator, Floating Piston (200 cu. in.)	Avro 7-1958-12	Avrocan E-210	15.30	
1	Accumulator, Floating Piston (80 cu. in.)	Avro 7-1956-381	Avrocan E-210	8.25*	
1	Coupling Half, Hyd. Self Sealing (1000 P.S.I.)	Avro CS-C-149-16		0.844	
1	Cap, Self Sealing Coupling (1000 P.S.I.)	Avro CS-C-139-16		0.328	
1	Coupling Half, Fixed 4000 P.S.I.	Avro CS-C-147-10		0.688	
1	Cap, Sealing 4000 P.S.I.	Avro CS-C-138-10		0.344	
1	Coupling Half, Fixed 3/4" 4000 P.S.I.	Avro CS-C-154-12			
1	Cap, Self Sealing Coupling 3/4" 4000 P.S.I.	Avro CS-C-175-12			
1	Coupling, Half Fixed 1" 1000 P.S.I.	Avro CS-C-152-16			
1	Cap, Self Sealing Coupling 1" 1000 P.S.I.	Avro CS-C-174-16			
1	Coupling Half, Pump Suction L.H.	Avro 7-3258-47		0.31	
1	Coupling Half, Pump Suction R.H.	Avro 7-3258-48		0.31	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

CONCLUSIONS

Qty Per A/C	Description	Identification		Unit Wt.In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Wheel Brakes (Cont'd)</u>				
1	Swivel Assy., Main U/C L.H.	Avro 7-1992-7	Avrocan E-211	14.75*	
1	Swivel Assy., Main U/C R.H.	Avro 7-1992-8	Avrocan E-211	14.75*	
2	Valve, Brake Control	Avro 7-1954-11		4.50*	
2	Valve, Shuttle	Avro 7-1992-107		0.35*	
4	Adaptor, Wheel Brake Unit	Avro 7-1992-45	Avrocan E-398		
	<u>Speed Brake Sub-System</u>				
2	Jack, Speed Brake	Avro 7-1956-7	Avrocan E-357	9.00*	
4	Coupling, Expansion 3/8" O/D Tube Size 4000 P.S.I.	Avro 7-1956-35	Avrocan E-385	0.50*	
4	Swivel Joint, Universal for 3/8" Diameter Tubing	Avro 7-1956-31	Avrocan E-310	0.75*	
2	Swivel Joint, Universal for 3/8" Diameter Tubing L.H.	Avro 7-1956-33	Avrocan E-310	0.60*	
2	Swivel Joint, Universal for 3/8" Diameter Tubing R.H.	Avro 7-1956-34	Avrocan E-310	0.60*	
1	Valve, Speed Brake Selector	Avro 7-1956-13	Avrocan E-359	3.50*	
			*Estimated Weight		

PAGE 41

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHES

AAMS-105/1
APRIL 1957
STOR INSTALLED

HYDRAULICS - FLYING CONTROL SYSTEMS

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Hydraulic Flying Control Items</u>				
2	Accumulator, Self Displacing (100 cu. in.)	Avro 7-3258-41	Avrocan E-210	23.94	
2	Cap, Self Sealing Coupling (1000 P.S.I.)	Avro CS-C-139-16		0.328	
2	Coupling Half, Hyd. Self Sealing (1000 P.S.I.)	Avro CS-C-149-16		0.844	
2	Coupling Half, Self Sealing 4000 P.S.I.	Avro CS-C-147-10		0.688	
2	Cap, Self Sealing 4000 P.S.I.	Avro CS-C-138-10		0.344	
4	Coupling Expansion 5/8" Tube Size	Avro 7-3262-14	Avrocan E-385	0.41	
4	Coupling Expansion 1/2" Tube Size	Avro 7-3262-16	Avrocan E-385	0.63	
2	Compensator, 475 cu. in. (90 P.S.I.)	Avro 7-3258-37	Avrocan E-231	75.00*	
2	Coupling Half, Pump Suction L.H.	Avro 7-3258-47		0.31	
2	Coupling Half, Pump Suction R.H.	Avro 7-3258-48		0.31	
4	Coupling Half, Pump Suction	Avro 7-3258-45		0.34	
2	Filter Body H/P 40 G.P.M. Bowl Type	Avro 7-3258-43	Avrocan E-249	12.25*	
4	Filter Element 7 G.P.M. (Aileron)	Avro 7-3264-14	Avrocan E-330	0.29*	
			*Estimated Weight		

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

HYDRAULICS - FLYING CONTROL SYSTEMS (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Hydraulic Flying Control Items (Cont'd)</u>				
2	Filter Element 4 G.P.M.	Avro 7-3283-9	Avrocan E-330	0.24*	
4	Filter Element 40 G.P.M. 4000 P.S.I.	Avro 7-3258-25	Avrocan E-399		
2	Gauge - Bleed Sight Drain	Avro CS-G-108	Avrocan E-247	0.157*	
1	Heat Exchanger Hyd. (Oil to Fuel) C/W By-Pass Valves L.H.	Avro 7-3256-5			
1	Heat Exchanger Hyd. (Oil to Fuel) C/W By-Pass Valves R.H.	Avro 7-3256-6			
2	Manifold H/P Pump Delivery	Avro 7-3258-16		2.00*	
4	Pump, Variable Delivery	Avro 7-3258-13		22.00*	
2	Valve, Pressure Control	Avro 7-3258-14		2.70*	
2	Valve, Hyd. Check	Avro CS-V-103-10	Avrocan E-208	0.65*	
2	Valve, Air Charging and Gauge	Avro CS-V-104	Avrocan E-306	0.75*	
2	Switch, Pressure Warning Type I	Avro 7-3258-35		0.55	
2	Gauge, Reduced Pressure	Avro 7-3258-29		0.40*	
1	Heat Exchanger (Air to Oil)	Avro 7-3256-3	Avrocan E-388	0.40*	
1	Heat Exchanger (Air to Oil)	Avro 7-3256-4	Avrocan E-388	5.00*	
				*Estimated Weight	

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

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MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED
AAMS-105/1
APRIL 1957

AAMS-105/1
APRIL 1957

OXYGEN

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Bottle	AN 6025-AX-53	MIL-C-7905A	2.75	
2	Valve, Oxygen Starting	Avro 7-2152-37		1.25*	
	Including:-				
	Valve, Starting 7-2152-15				
	Gauge, Emergency Oxygen L-2				
	Valve, Charging 7-2152-18				
1	Converter, 5 Litre	Avro 7-2154-14	Avrocan E-329	18.00*	
1	Tray - Mounting	Avro 7-2154-15	Avrocan E-329	2.50*	
2	Disconnect, Composite Leads	Avro 7-2152-11	Avrocan E-269	2.80*	
2	Valve, H/P Check	AN 6017-1	MIL-V-5027A	.25*	
				*Estimated Weight	

MODEL SPECIFICATION
APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1
APRIL 1957

