

GCX
Avro
CF105
AAMS-
105-1
App.1
Iss.1

ANALYZED

AIRCRAFT EQUIPMENT LIST

Classification cancelled/revised to UNCLASS

By authority of AVRS

Date TO 27 Sept 96 (101)

Signature MODEL SPECIFICATION [Signature]

Unit / Rank / Appoint AAMS-105/1 AVRS

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ANALYZED

AAMS-105/1
FEBRUARY 1956
(Issue 1)

*Issue 2
Supersedes
Our Copy # 64*

APPENDIX I
TO
MODEL SPECIFICATION
FOR
SUPERSONIC ALL-WEATHER INTERCEPTOR AIRCRAFT
TYPE CF-105

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Classification cancelled / Changed to UNCLASS
By authority of AVRS
Date 27 Sept 88
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INTRODUCTION

1. This Equipment List as defined below is issued to show the airborne equipment installed in the CF105 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.

FEBRUARY 1956

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl- cable A/C
		Part No.	Spec. No.		
1	<u>IFF AN/APX-6</u> Receiver - Transmitter	RT-82/APX-6 RCAF 10EA/29534	C-16R91 (AER)		
1	Control, Radar Set	C-629A/APX-6 RCAF 10EA/29535	C-16R91 (AER)		
1	Mounting Base	MT-362/A RCAF 10EA/29536	C-16R91 (AER)		
1	Switch - Impact	SA-3A/A RCAF 10EA/15682			
1	<u>TACAN AN/ARN-21</u> Receiver - Transmitter	RT-220/ARN-21			
1	Mounting	MT-928/ARN-21			
1	Indicator, Range	ID-310/ARN	XEL-178		
1	Control, Radio Set	C-866/ARN-21			
1	Network, Phase Detecting	CV-279/ARN			
1	Indicator, Azimuth	ID-307/ARN	XEL-168(BUAER)		
1	Indicator, Cross Pointer	ID-249/ARN			

MODEL SPECIFICATION

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APPENDIX 1-A

GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED



FEBRUARY 1956

ELECTRONICS (Cont'd)

Qty Per A/C	Description	Identification		Unit Appli- Wt.In cable Lbs A/C
		Part No.	Spec. No.	
1	<u>Radio Compass AN/ARN-6</u> Receiver	R-101A/ARN-6 RCAF 10EU/28137		
1	Mounting, Receiver	MT-273B/ARN-6 RCAF 10EA/27485		
2	Indicator, Radio Magnetic	ID-250/ARN		
1	Loop Cable (6'-0" Long)	CG-132/ARN-6		
1	<u>Direction Finder AN/ARA-25</u>			
1	Amplifier, Electronic Control	Production of AN/ ARA-25 (XN-3)		
1	Relay, Solenoid	Nomenclature not yet assigned.		
1	Antenna	Units to the Dims. of		
1	Mounting	P.S.C.101-02623	INST-9-19	
1	<u>R-Theta</u>	P.S.C.101-02731	INST-9-21	
1	Integrator Relay Amplifier	P.S.C.101-02730	INST-9-20	
1	G.S.I. Computer	P.S.C.101-02624	INST-9-22	
1	Re Computer			
1	Pilot's Repeater			

MODEL SPECIFICATION
APPENDIX 1-A

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GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

FEBRUARY 1956

ELECTRONICS (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
	J-4 Compass	Units to the Dims. of			
1	Directional Gyro	Kearfott 423040-2	MIL-C-8412		
1	Servo and Amplifier Assembly	Kearfott 423060-2	MIL-C-8412		
1	Controller	Kearfott 423050-2	MIL-C-8412		
1	Remote Compass Transmitter	USAF Type C-2	27635		
1	<i>Cable to interconnect Amplifier to Remote Transmitter</i>	<i>Sperry Part P69044S</i>			
1	U.H.F. Communication AN/ARC-34				
1	Transmitter-Receiver	RT-263/ARC-34	MIL-R-7646C		
1	Mounting	MT-1099/U	MIL-R-7646C		
1	Control	C-1057/ARC-34	MIL-R-7646B		
	<u>Interphone AN/AIC-10</u>				
2	Control Panel	C-824/AIC-10	MIL-C-9306		
1	Relay Assembly	RE-94/AIC-10	MIL-R-9405		
1	Dynamotor	DY-77/AIC-10	MIL-D-9283		
1	Mounting - Dynamotor	MT-1060/U			

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MODEL SPECIFICATION

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APPENDIX 1-A

GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

FEBRUARY 1956

INSTRUMENTS

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
1	Compass, Magnetic Standby	AN 5766 T4	MIL-C-5604		
1	Indicator, Airspeed (Mach)	USAF Type ME-4			
1	Indicator, Artificial Horizon	RCAF 6A/1282			
1	Indicator, Rate of Climb (0-6000 ft./min.)	Aviation Electric AE342-2-A			
1	Indicator, Turn and Bank	RCAF 6A/1299	INST-1-9		
1	Accelerometer	RCAF 6A/1107	MIL-A-5885A		
1	Indicator, Cabin Pressure	AERNO 60-603	MIL-I-5099A (AER)		
1	Altimeter (0-80,000 ft.)	AERNO 60-602	MIL-A-6863		
1	Clock (8 Day)	AN 5743L2	MIL-C-7939A		
	G.S.I. Computer				
	Re Computer				
	Re Repeater				
	Indicator, Radio-Magnetic				
	Indicator Cross Pointer				
	Indicator Azimuth				
		See Electronics			

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MODEL SPECIFICATION
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GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

FEBRUARY 1956

OXYGEN

Qty Per A/C	Description	Identification		Unit Wt. Lbs	Appl. cable A/C
		Part No.	Spec. No.		
2	Regulator, Oxygen	High Alt. Type C4 RCAP 6D/713	INST-11-1		

MODEL SPECIFICATION
APPENDIX 1-A

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GOVERNMENT FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

FEBRUARY 1956

PROPULSION

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl- cable A/C
		Part No.	Spec. No.		
2	Engine, Gas Turbine c/w Afterburner	USAF YJ-75-P-3	2611 (P & W)		1st
2	Engine, Gas Turbine c/w Afterburner	USAF YJ-75-P-5	2605 (P & W)		2nd & Subs



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APPENDIX 1-B

GOVERNMENT FURNISHED - GOVERNMENT INSTALLED EQUIPMENT

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

AIR CONDITIONING

FEBRUARY 1956



APPENDIX 1-C

AAMS-105/1

CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
1	Heat Exchanger	Avro 7-2254-6			
1	Ground Connection 2.5"	Avro 7-2252-19			
1	Ground Connection 3.0"	Avro 7-2252-18			
1	Controller for Regulator	Avro 7-2252-24			
1	Turbine and Fan	Avro 7-2254-1			
	<u>Temp. Control System - Cockpit</u>				
1	Controller - Cabin Temp	Avro 7-2252-14			
1	Switch Alt. Sensing	Avro 7-2252-15			
1	Rheostat Control	Avro 7-2252-15L		Avrocan E-265	
1	Valve - Air Control	Avro 7-2252-11			
2	Pick-up	Avro 7-2252-12			
	<u>Temp. Control System - Radar</u>				
1	Controller - Radar Temp.	Avro 7-2252-16			
1	Pickup	Avro 7-2252-12		Avrocan E-264	
1	Valve - Air Control	Avro 7-2252-11			



CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

FEBRUARY 1956

AIR CONDITIONING (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. in Lbs	Appl. cable A/C
		Part No.	Spec. No.		
1	Regulator - Air Pressure (Cockpit)	Avro 7-2252-1			
1	Tank - Water Evaporator	Avro 7-2254-12			
1	Valve - Shut-Off 2.0" (Electric)	Avro 7-2252-22			
2	Valve - Pressure Reducing and Non-Return - 3.0"	Avro 7-2256-5			
1	Valve - Non-Return	Avro 7-2254-4			
1	Valve - Flow Augmentor	Avro 7-2254-3			
1	Valve - Safety Cabin Air Pressure	Avro 7-2252-21			
1	Valve - Shut-Off 3.5" (Electric)	Avro 7-2252-2			
2	Valve - Ram Air	Avro 7-2252-3			
1	Valve - Shut-Off	Avro 7-2252-201			



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CANOPY ACTUATION

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Actuator - Canopy (Normal)	AVRO 7-1152-9	AVROCAN E-277		
2	Actuator - Canopy (Emergency)				
1	Actuator - Canopy Latch (Emergency)				
2	Cartridge - Canopy				
2	Canopy - Emergency Opening - Fire Unit				

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DE-ICING

FEBRUARY 1956

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Airframe</u>				
1	Boot L.H.] Intake Ramp De-Icer Boot No. 1	Avro 7-2055-11			
1	Boot R.H.]	Avro 7-2055-12			
1	Boot L.H.] Intake Ramp De-Icer Boot No. 2	Avro 7-2055-13			
1	Boot R.H.]	Avro 7-2055-14			
1	Boot L.H.] Intake Lip De-Icer Boot No. 3	Avro 7-2055-17			
1	Boot R.H.]	Avro 7-2055-18			
1	Boot L.H.] Intake Lip De-Icer Boot No. 4	Avro 7-2055-21			
1	Boot R.H.]	Avro 7-2055-22			
1	Boot L.H.] Intake Lip De-Icer Boot No. 5	Avro 7-2055-23			
1	Boot R.H.]	Avro 7-2055-24			
1	Boot L.H.] Intake Lip De-Icer Boot No. 6	Avro 7-2055-25			
1	Boot R.H.]	Avro 7-2055-26			
1	Controller	Avro 7-2052-13			
1	Detector - Ice (Airframe)	Avro 7-2055-27	Avrocac E-213		
2	Control Box - Power Distributor	Avro 7-2052-12			

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APPENDIX 1-C

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED



CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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DE-ICING (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
24	Thermostat - Surface De-Icing 70°F	Avro 7-2052-11			
1	Control Box - Temperature				
	<u>Engine</u>				
2	Detector - Ice (Engine)	Avro 7-2055-27	Avrocan E-213		
	<u>Miscellaneous</u>				
1	Valve Shut-Off				
1	Filter - Fluid (Anti-Icing)				
1	Valve - Check	AN 6207-4			
1	Valve - Pressure Reducing				
1	Valve - Pressure Relief				
1	Valve - Three-Way Solenoid				
1	Box - Window Temp. Control				
1	Panel - L.H. Side Windscreen				
1	Panel - R.H. Side Windscreen				
		Aero Supply 7-4557-14			

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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DE-ICING (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
	<u>Miscellaneous</u> (Cont'd)				
6	Thermostat Canopy Windscreen				
1	Window - Canopy Side L.H. Pilot				
1	Window - Canopy Side R.H. Pilot				
1	Window - Canopy - L.H. Navigator				
1	Window - Canopy - R.H. Navigator				



CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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ELECTRICAL

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
2	Alternator 208/120V-20KVA	Avro 7-1125-11	Avrocan E-202		
1	Battery - Storage (Hermetically Sealed)	Avro 7 1152-11	Avrocan E-209		
1	Control Box - Cockpit Warning	Avro 7-1152-12	Avrocan E-376		
1	Flasher - Navigation Light	Avro CS-F-106	Avrocan E-224		
20	Indicator - Warning (C/P)	Avro 2CS-I-108	MIL-L-3661		
1	Indicator - Warning Dual	Avro 1CS-I-109	MIL-L-3661		
1	Indicator - Warning Dual	Avro 2CS-I-109	MIL-L-3661		
16	Indicator - Warning (Press to Test)	Avro 1CS-I-107	Avrocan E-318		
	Indicator - U/C (Refer to Instruments)				
2	Indicator - Light (Case Grounded)	Avro CS-L-132			
1	Lever Extension	Cutler-Hammer 24-1164-2			
1	Light - Red - Wing Tip	Avro 1CS-L-129	Avrocan E-229		
1	Light - Green - Wing Tip	Avro 2CS-L-129	Avrocan E-229		
1	Light - Red - Fin Tip	Avro 7-1183-11	Avrocan E-229		
1	Light - White - Fin Tip	Avro 7-1183-12	Avrocan E-229		

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ELECTRICAL (Cont'd)

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Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
16	Lamp - Incandescent T.I. 3/4 Bulb	AN-3140-327	MIL-W-L-111		
2	Power Failure Detector	Avro 7-1156-11	Avrocan E-296		
1	Panel - Landing Gear Select Control	Avro 7-1152-8			
21	Relay - 2 P.D.T. - 10A - Class A	AN-3311-1	MIL-R-6106		
22	Relay - 4 P.D.T. - 10A - Class A	MS-25024-1	MIL-R-6106		
1	Relay - S.P.S.T. - 100A - Class B	MS-24141-1	MIL-R-6106		
1	Relay - S.P.S.T. - 50A - Class B	MS-24140-1	MIL-R-6106		
1	Relay - S.P.S.T. - 50A - Class B	MS-24140-2	MIL-R-6106		
4	Relay - 3 P.S.T. - 100A - Class B	MS-24168-1	MIL-R-6106		
3	Relay - 2 P.D.T. - 10A - Class B	Avro CS-R-122	MIL-R-6106A		
3	Relay - 3 P.S.T. - 50A - Class B	MS-24144-1	MIL-R-6106		
4	Relay - 3 P.S.T. - 25A - Class B	See De-Icing Section			
4	Relay - 3 P.D.T. - 10A - Class A	See De-Icing Section			
2	Relay - Differential Current Protection	Avro CS-R-123	Avrocan E-360		
2	Relay - Time Delay	Avro CS-R-126	Avrocan E-285		

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APPENDIX 1-C

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

ELECTRICAL (Cont'd)

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APPENDIX 1-C

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
1	Relay 50A S.P.D.T. Class A	AVRO CS-R-128	MIL-R-6106A		
	<u>De-Icing System</u>				
1	Relay - Time Delay	AVRO 7-2051-11			
4	Relay - 3 P.S.T. - 25A Class B	MS 24143-1	MIL-R-6106		
4	Relay - 3 P.D.T. - 10A Class A	AN 3311-1	MIL-R-6106		
1	Transformer Rectifier (Control Unit)	AVRO 7-1156-12	AVROCAN E-202		
6	Transformer - Internal Light	AVRO CS-T-134	AVROCAN E-352		
1	Transformer - Primary 200/115V 3 Phase 200 Cycle - Secondary 115V	AVRO 7-1152-31	AVROCAN E-291		

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

Qty Per A/C	Description	Identification		Unit Wt. In Lbs A/C	Appli- cable A/C
		Part No.	Spec. No.		
	<u>X-Band Beacon RBX-1</u>				
1	Power Supply - Bendix Model RPX-1	Bendix 1080175			
1	Receiver Transmitter - Bendix Model RBX-1 Radar Beacon	Bendix 556725			
1	Waveguide Attenuator - X-Band	Avro 7-1362-21			
1	Waveguide Hybrid 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 Waveguide	Avro 7-1362-29			
1	Pressurized Mica Window for X-Band Waveguide	Airtron 54500			

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ELECTRONICS - INTERIM (Cont'd)



APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1

Qty Per A/C	Description	Identification		Unit Wt. In cable Lbs	Appli- cable A/C
		Part No.	Spec. No.		
1	X-Band Beacon RRX-1 (Cont'd) Antenna X-Band	Avro 7-1383-57			
	<u>Waveguide Assy.</u> comprising:-				
1	Waveguide - Upper Portion X-Band	Avro 7-1383-61			
1	Waveguide - Centre Portion X-Band	Avro 7-1383-63			
1	Waveguide - Lower Portion X-Band	Avro 7-1383-65			
2	Half Clamp for Waveguide	Avro 7-1383-75			
2	Half Clamp for Waveguide	Avro 7-1383-76			
8	Waveguide Seal Round High Temp.	Avro CS-G-109			
2	Waveguide - Seal Rectangular High Temperature	Avro CS-G-110			
1	Dehydrator	Avro 7-1362-45			
1	Valve - Check	J. Pond Clark 224A-4TT			
1	Valve - Charging	Avro CS-V-106			

Qty Per A/C	Description	Identification		Unit Appli- Wt. In Lbs A/C
		Part No.	Spec. No.	
1	<u>IFF AN/APX-6</u> Relay - Coaxial Transfer	Avro 2CS-L-115		
1	Indicator Light			
1	<u>TACAN AN/ARN-21</u> Transformer - 115V. to 26V. CPS	Avro CS-T-154		
2	<u>Low Frequency Radio Compass AN/ARN-5</u> Control Panel	Garrett C-1513	MIL-C-8425	
1	Amplifier Tuning Drive Unit	Garrett ED-400		
2	Matching Unit (For Radio Compass Sense Antenna Cable)			
1	Antenna Loop Magnetic	Bendix IPA-6A		

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Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Damping System</u>				
1	Amplifier (For Flight Control Fuel System)				
2	Accelerometer				
1	Beta Amplifier				
1	Gyro - Rate Role				
1	Gyro - Rate Pitch				
2	Gyro - Rate Yaw				
1	Computer - Air Data				
1	Limiter - Side Slip				
1	Servo - Amplifier Unit				
	<u>U.H.F. Communication ARC/34</u>				
1	Antenna (Fin) U.H.F. - L-Band	Avro 7-1383/55			
1	Coaxial Switch S.P.D.T.	Transco Products SA-303/U			
1	Antenna (Lower) U.H.F.				
1	Indicator - Antenna	Avro CS-I-111-1			

ELECTRONICS - INTERIM (Cont'd)

FEBRUARY 1956

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Miscellaneous</u>				
1	Radome - Nose				
1	Fin Cap Fairing				
1	Dorsal Fairing				
5	Coaxial Plug - Special Type "N"	Avro CS-C-161			
1	Coaxial Jack - Special Type "N"	Avro CS-C-160			
5	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			
8	Relay - Four Pole Double Throw	Avro CS-R-131			
1	Switch D.P.D.T.	Cutler-Hammer 8834K4	MIL-S-6745		
2	Micro-Switch	Mim. Honeywell MS-24331			
1	Roller - Micro Switch	Mim. Honeywell X10808			
2	Jack, Coaxial, Special Type "HN"	Avro CS-C-168			

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APPENDIX 1-C

AAMS-105/1

CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED



FEBRUARY 1956

ELECTRONICS - INTERIM (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Jack Coaxial, Special Type "N"	Avro CS-C-170			
1	L-Band Antenna Flush Mounting	Avro 7-1354-39			
1	Indicator (Antenna in Use)				

APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

FEBRUARY 1956

ENGINE INSTALLATION

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Drive - Constant Speed	Avro 7-2925-5			
1	Drive Shaft - Engine to Accessory Gear Box - L.H.	Avro 7-2958-7			
1	Drive Shaft - Engine to Accessory Gear Box - R.H.	Avro 7-2958-8			
2	Drive Shaft - Vertical	Avro 7-2958-9			
1	Gear Box - Accessory L.H.	Avro 7-2958-3			
1	Gear Box - Accessory R.H.	Avro 7-2958-4			
2	Gear Box - Engine Input	Avro 7-2925-3			
2	Gear Box - Engine Bevel	Avro 7-2925-4			
2	Gear Box - Accessory Input	Avro 7-2958-5			
1	Gear Box - Fuel Booster Pump L.H.	Avro 7-2958-13			
1	Gear Box - Fuel Booster Pump R.H.	Avro 7-2958-14			
2	Gear Box - Top Corner	Avro 7-2958-6			
2	Gear Box - Transmission Fuel Pump	Avro 7-2958-11			
2	Heat Exchanger (Air to Oil) Accessory Gear Box Oil				

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ENGINE INSTALLATION (Cont'd)

FEBRUARY 1956



APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
2	Heat Exchanger (Engine Oil) Air to Oil				
2	Heat Exchanger (Hyd. F/C) Air to Oil				
2	Starter - Pneumatic				
2	Switch - Oil Pressure				
2	Valve - Pressure Oil Filler and Drain				
2	Valve - Motorized - Zone I Ejector				
2	Couplings - Oil - Quick Detachable 1/2"	Avro 7-2925-6	Avrocan E-378		
2	Couplings - Oil - Quick Detachable 5/8"				
4	Couplings - Oil - Quick Detachable 3/4"				
8	Blankets - Insulating				
2	Indicator - Exhaust Gas Temp. System				See Instrument Section
2	Indicator - Pressure Ratio				See Instrument Section
2	Switch - Pressure - Fuel				



APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

FEBRUARY 1956

ENGINE INSTALLATION (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
2	Filter - Gear Box - Oil System				
2	Tank - De-Aerator				

FIRE PROTECTION

FEBRUARY 1956



APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

AAMS-105/1

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Bottle - Extinguisher				
6	Valve, Discharge				
3	Valve, Shuttle				



CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
2	Adapter - Pressure Fuel Servicing	Avro 7-1662-447			
2	Cap - Pressure Fuel Servicing	Avro 7-1662-471			
25	Coupling - Flexible Fuel	Avro 20 CS-C-140			
57	Coupling - Flexible Fuel	Avro 24 CS-C-140			
10	Coupling - Flexible Fuel	Avro 28 CS-C-140			
22	Coupling - Flexible Fuel	Avro 32 CS-C-140			
10	Coupling - Flexible Fuel	Avro 40 CS-C-140			
18	Coupling - Flexible Fuel	Avro 48 CS-C-140			
4	Coupling - Flexible Fuel	Avro 64 CS-C-140			
2	Drain - Condensate - Tank 1 & 2	Avro 7-1656-8			
2	Drain - Condensate - Tank 3	Avro 7-1662-183			
2	Drain - Condensate - Tank 4	Avro 7-1662-189			
2	Drain - Condensate - Tank 5	Avro 7-1662-185			
6	Drain - Condensate - Tank 6, 7 & 8	Avro 7-1662-12			
1	Fuel - Cell No. 1 (Forwd. Fuselage)	Avro 7-1754-5			
1	Fuel - Cell No. 2 (Aft Fuselage)	Avro 7-1754-6			

FUEL SYSTEM

FUEL SYSTEM (Cont'd)

FEBRUARY 1956



APPENDIX 1-C

AAMS-105/1

CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
1	Filter - Hot Air	Avro 7-1654-7			
1	Limiter - Air Flow	Avro 7-1654-4			
2	Limiter - Air Flow	Avro 7-1656-10			
2	Limiter - Air Flow	Avro 7-1662-8			
2	Pump - Booster				
4	Valve - Fuel Shut-Off 28V D.C.	Avro 7-1600-21			
2	Valve - Flow Proportioning Transfer (5 way)				
1	Valve - Flow Proportioning Engine Feed				
22	Valve - Fuel No Air	Avro 7-1600-45			
2	Valve - Air Pressure Regulator (Absolute Ref.)	Avro 7-1600-20			
1	Valve - Air Pressure Regulator (Differential Ref.)	Avro 7-1600-8			
14	Valve - Level Sensing (Pressure Fuel Servicing)	Avro 7-1600-12	Avrocan E-337		
1	Valve - Air Pressure Relief (Differential Ref.)	Avro 7-1656-5			



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Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
2	Valve - Negative "G" and Low Air Admission	Avro 7-1662-7			
4	Valve - Air Release	Avro 7-1600-19			
2	Valve - Air Pressure Relief (Absolute Ref.)	Avro 7-1656-4			
	Valve - Element - Non-Return				
2	Valve - Shut-Off (Pressure Fuel Servicing Collector Tank)	Avro 7-1600-37			
12	Valve - Shut-Off (Pressure Fuel Servicing)	Avro 7-1600-11			
4	Valve - Air No. Fuel (Upper)				
2	Valve - Air No Fuel (Lower)				
2	Valve - Fuel Shut-Off 2½" Dia. (28 Volt)				
	Coupling - Flexible Fuel ¾" Bulkhead Type				
	Coupling - Flexible Fuel 1" Bulkhead Type				
	Coupling - Flexible Fuel 1½" Bulkhead Type				

FUEL SYSTEM (Cont'd)



CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

FEBRUARY 1956

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appl. cable A/C
		Part No.	Spec. No.		
2	Switch - Pressure	Avro 7-1656-9			
2	Switch - Low Level				
2	Pump - Fuel Transfer				
2	Valve - Fuel Pressure Regulator				

FUEL SYSTEM (Cont'd)

FEBRUARY 1956



FLYING CONTROLS

Qty Per A/C	Description	Identification		Unit Wt. in Lbs	Appl. cable A/C
		Part No.	Spec. No.		
	<u>Elevator</u>				
1	Feel Unit - Artificial	Avro 7-3262-15			
1	Jack and Linkage L.H.	Avro 7-3262-18			
1	Jack and Linkage R.H.	Avro 7-1552-165			
1	Regulator - Quadrant Tension	Avro 7-3260-11			
2	Servo - Differential				
1	Servo - Parallel				
1	Stick - Force Transducer				
1	Trim Brake Unit				
2	Valves - Control	Avro 7-3262-33			
	<u>Aileron</u>				
1	Feel Unit - Artificial	Avro 7-3264-23			
1	Jack and Linkage L.H.	Avro 7-3264-24			
1	Jack and Linkage R.H.	Avro 7-1552-165			
1	Regulator - Quadrant Tension				



APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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FLYING CONTROLS (Cont'd)

Qty Per A/C	Description	Identification		Unit Wt. Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Aileron</u> (Cont'd)				
2	Regulator - Tension Wing Cable System	Avro 7-1562-51			
1	Stick - Force Transducer				
2	Servo - Differential	Avro 7-3260-11			
1	Servo - Parallel				
1	Trim Brake Unit				
2	Valve - Control	Avro 7-3264-12			
2	Cable Guard	Avro 7-1552-139			
	<u>Rudder</u>				
1	Actuator - Feel				
1	Actuator - Trim				
1	Jack and Linkage	Avro 7-3283-5			
1	Regulator - Quadrant Tension	Avro 7-1552-165			
1	Servo - Differential				
1	Switch - Force	Avro 7-3283-7			

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FLYING CONTROLS (Cont'd)

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APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
1	<u>Rudder</u> (Cont'd)				
	Valve - Control	Avro 7-3283-8			
2	Cable Guard	Avro 7-1552-139			
	<u>Engine Controls</u>				
2	Tension Regulator Cable	Avro 7-1462-21			
1	Throttle Box	Avro 7-1452-66			
	<u>Miscellaneous</u>				
1	Grip-Stick - B-8A	Avro 7-1552-143			



APPENDIX 1-C
 CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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FURNISHINGS

Qty Per A/C	Description	Identification		Unit Appli- cable A/C	Wt. in Lbs
		Part No.	Spec. No.		
2	Seat - Ejection				
2	Gun - Ejection				
2	Cartridge - Primary				
4	Cartridge - Auxiliary				
2	Cartridge - Drogue				

HYDRAULICS - UTILITY ITEMS

FEBRUARY 1956

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			
1	Coupling Half - Hyd. Self Sealing (1000 P.S.I.)				
1	Cap - Self Sealing Coupling (1000 P.S.I.)				
2	Coupling - Half Pump Suction	Avro 7-3258-47			
1	Compensator				
2	Coupling - Half Pump Suction	Avro 7-3258-45			
2	Filter - 40 G.P.M.	Avro 7-1956-23			
1	Gauge - Bleed Drain Sight	Avro CS-G-108			Avrocan E-247
3	Manifold H/P	Avro 7-3258-16			
2	Pump - Variable Delivery				
1	Valve - Pressure Control	Avro 7-1958-14			
1	Valve - Air Charging and Gauge	Avro CS-V-104			
1	Valve - Controllable Check	Avro 7-1994-12			
1	Switch - Pressure Warning Type I	Avro 7-3258-35			

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

HYDRAULICS - UTILITY ITEMS (Cont'd)

FEBRUARY 1956

Qty Per A/C	Description	Identification		Unit Appli- Wt. In cable Lbs A/C
		Part No.	Spec. No.	
	<u>Power Circuit</u> (Cont'd)			
1	Switch - Pressure Warning Type II	Avro 7-1958-17		
1	Coupling Half Fixed 3/4" 400 P.S.I.			
1	Cap - Self-Sealing Coupling 3/4" 400 P.S.I.			
1	Coupling - Half Fixed 1" 500 P.S.I.			
	Cap - Self Sealing Coupling 1" 500 P.S.I.			
	<u>Hydraulic Landing Gear</u>			
2	Coupling - Spherical - Expansion M/G Jack			
2	Coupling - Spherical - Expansion M/G Jack			
2	Fitting - Swivel - N/G Door Jack	Avro 7-1952-25		
2	Fitting - Swivel - N/G Jack	Avro 7-1952-22		
1	Jack - M/G Operating L.H.	Avro 7-1962-17		
1	Jack - M/G Operating R.H.	Avro 7-1962-18		

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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HYDRAULICS - UTILITY ITEMS (Cont'd)

FEBRUARY 1956

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Hydraulic Landing Gear</u> (Cont'd)				
1	Jack - N/G Operating	Avro 7-1952-21			
2	Jack - M/G Door	Avro 7-1962-23			
1	Jack - N/G Door	Avro 7-1952-12			
2	Jack - M/G Uplock Release	Avro 7-1962-11			
6	Jack - M/G Door Uplock Release	Avro 7-1962-12			
1	Jack - N/G Uplock Release	Avro 7-1052-1141			
2	Jack - N/G Door Uplock Release	Avro 7-1952-24			
1	Swivel Assy. - Drag Strut - N/G	Avro 7-1952-32			
1	Valve - L/G Selector	Avro 7-1956-12			
3	Valve - L/G Transfer	Avro 7-1952-19			
6	Valve - Sequence - 8	Avro 7-1900-11			
1	Valve - Emergency By-Pass L/G Down	Avro 7-1956-21			
3	Valve - Shuttle U/C	Avro 7-1952-16			
4	Swivel - Dog Leg				

APPENDIX 1-C

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

HYDRAULICS - UTILITY ITEMS (Cont'd)

FEBRUARY 1956

APPENDIX 1-C
CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Emergency Air Pressure</u>				
1	Bottle - Air Storage (5000 P.S.I.)	Avro 7-1952-14			
1	Valve - Air Charging and Gauge	Avro CS-V-104			
1	Valve - Air Pressure Relief	Avro 7-1952-31			
1	Valve - Shut-Off	Avro 7-1952-13			
	<u>Nose Wheel Steering</u>				
2	Elbow - Swivel	Avro 7-1952-29			
1	Valve - Solenoid Selector	Avro 7-1952-23			
1	Filter - In Line Type H/P 4 G.P.M.				
	<u>Wheel Brakes</u>				
4	Detector - Anti-Skid				
2	Valve - Anti-Skid - Pressure Control				
2	Valve - Brake Control	Avro 7-1954-11			

HYDRAULICS - UTILITY ITEMS (Cont'd)

FEBRUARY 1956

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
	<u>Speed Brake Sub-System</u>				
2	Jack - Speed Brake	Avro 7-1956-7			
4	Coupling - Expansion 3/8" O/D Tube Size 4000 P.S.I.	Avro 7-1956-35			
4	Swivel Joint - Universal for 3/8" Diameter Tubing	Avro 7-1956-31			
4	Swivel Joint - Universal for 3/8" Diameter Tubing	Avro 7-1956-33			
1	Valve - Check				
1	Valve - Speed Brake Selector	Avro 7-1956-13			

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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HYDRAULICS - FLYING CONTROL

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			
2	Cap - Self Sealing Coupling (1000 P.S.I.)				
2	Coupling Half - Hyd. Self Sealing (1000 P.S.I.)				
4	Coupling Expansion 5/8" Tube Size	Avro 7-3262-14			
4	Coupling Expansion 1/2" Tube Size	Avro 7-3262-16			
2	Compensator - 475 cu. in. (90 P.S.I.)	Avro 7-3258-37			
4	Coupling Half - Pump Suction	Avro 7-3258-47			
4	Coupling Half - Pump Suction	Avro 7-3258-45			
2	Filter H/P 40 G.P.M. Bowl Type	Avro 7-3258-43			
4	Filter 7 G.P.M. (Aileron)	Avro 7-3264-14			
2	Filter 4 G.P.M.	Avro 7-3283-9			
6	Filter Element 40 G.P.M. 4000 P.S.I.	Avro 7-3258-25			
2	Gauge - Bleed Sight Drain	Avro CS-G-108			

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
1	Heat Exchanger Hyd. Fluid to Fuel C/W By-Pass Valves				
2	Manifold H/P. Pump Delivery	Avro 7-3258-16			
4	Pump - Variable Delivery	Avro 7-3258-13			
2	Valve - Pressure Control	Avro 7-3258-14			
2	Valve - Check				
2	Valve - Air Charging and Gauge	Avro CS-V-104			
2	Switch - Pressure Warning Type I	Avro 7-3258-35			
1	Valve - Sump Drain	Avro 7-3258-24			
1	Gauge - Reduced Press.				
2	Valve - Check				
1	Heat Exchange Oil-Air				



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INSTRUMENTS

Qty Per A/C	Description	Identification		Unit Wt. Lbs	Appl. cable A/C
		Part No.	Spec. No.		
1	Boom - Pitot Static				
38	<u>Fuel Quantity System</u>				
	Tank Units	[Avro 7-1654/ --- Avro 7-1662/ ---			
2	Indicator	Avro 7-1252-14			
1	Pressure Head - Pitot Static				
2	Indicator - Turbine Pressure Ratio				
2	Indicator - Temp. (Turbine Outlet)				
1	Indicator - Skin Temp.				
	Unit - Skin Temp. Sensing				
	Indicator (Antenna in Use)	See Electronics			
3	Indicator - Landing Gear	AN 5839-1	MIL-I-6839		
	<u>Oxygen Quantity System</u>				
1	Indicator	Avro 7-2152-12			
1	Transmitter	Avro 7-2154-16			
2	Gauge - Oxygen Pressure	Avro 7-2152-13			MIL-G-6019A Type II
2	Gauge - Emergency Oxygen Pressure	Type L-2			MIL-G-7501A



CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

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LANDING GEAR

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
4	Brake - Main	Avro 7-1092-15			
1	Landing Gear - Main L.H.	Dowty			
1	Landing Gear - Main R.H.	Dowty			
1	Landing Gear - Nose	Avro 7-4291-1			
1	Liquid Spring	Avro 7-4291-2			
4	Tire - Tubeless - Main	Avro 7-1092-13			
	Alternative:				
4	Tire - Main	Goodyear			
4	Tube - Main				
2	Tire - Nose - Tubeless	Avro 7-4291-4			
4	Wheel - Main	Avro 7-1092-13			
2	Wheel - Nose	Avro 7-4291-4			
	<u>Para-Brake</u>				
1	Parachute - Drag First Type				
1	Strap and Shackles				
1	Cable Tension Regulator				

OXYGEN

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Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
2	Bottle - Emergency	AN 6025 AX 53	MIL-C-7905A		
1	Converter - 5 litres	Avro 7-2154-14			
1	Tray - Mounting	Avro 7-2154-15			
2	Disconnect - Composite Leads	Avro 7-2152-11/2			
2	Valve - Auto and Manual Trip				
2	Valve - H/P Check	AN 6017-1	MIL-V-5027A		
2	Valve - Oxygen Starting	Avro 7-2152-37			

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CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

PNEUMATICS - LOW PRESSURE

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APPENDIX 1-C

AAMS-105/1

CONTRACTOR FURNISHED EQUIPMENT - CONTRACTOR INSTALLED

Qty Per A/C	Description	Identification		Unit Wt. In Lbs	Appli- cable A/C
		Part No.	Spec. No.		
1	Filter - Hot Air	Avro 7-1852-13			
1	Seal - Canopy Inflating L.H. Pilot's	Avro 7-1053-101	Avrocan E-343		
1	Seal - Canopy Inflating R.H. Pilot's	Avro 7-1053-102	Avrocan E-343		
1	Seal - Canopy Inflating L.H. Navigator's	Avro 7-1053-121	Avrocan E-343		
1	Seal - Canopy Inflating R.H. Navigator's	Avro 7-1053-122	Avrocan E-343		
2	Valve - Anti "G"	Avro 7-1852-12	MIL-V-9370		
1	Valve - Canopy Seal Control	Avro 7-1852-14	Avrocan E-332		

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