

Rare
Book

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no. 72/STDS/5

Issue 1

ANALYZED

Report Number 72/STDS/5 ISSUE 1

AVRO AIRCRAFT LIMITED

ENGINEERING DIVISION

STANDARDS DEPARTMENT

Classification cancelled / Changed to UNCLASS

By authority of AVRS

Date 30.5.54

Signature DB/5

Unit / Rank / Appointment AVRS 5

TITLE:

HARDWARE - PROPRIETARY

LIST OF

ARROW 2

NRC - CISTI
J. H. PARKIN
BRANCH

JUN 8 1955

ANNEXE
J. H. PARKIN
CNRC - ICIST

Compiled By: DL.

Approved By: JR Closson

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AVRO AIRCRAFT LIMITED

ENGINEERING DIVISION

72/STDS/5 Issue 1

Sheet 1

TITLE:

HARDWARE - PROPRIETARY

LIST OF

ARROW 2

The proprietary hardware items shown in this report are called up on Avro Aircraft Limited drawings for the Arrow 2.

In many cases the items shown have a range of sizes available, most of which are called up, therefore only basic series numbers are shown.

The parts listed consist of:

- (1) Parts which cannot be purchased to standard drawings and have no approval.
- (2) Parts which have been called up by commercial number but now have military, national or company standard drawings or have some form of approval.

Those products listed herein used on primary structure, have been proven satisfactory by structural tests on components or assemblies. However these test reports have not been included in this document.

LIST OF
 PROPRIETARY HARDWARE
 FOR THE ARROW 2

72/STDS/5 ISSUE 1

Sheet 2

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Adel Division of General Metals Corporation	432		
	437		
	439		
	441		
	444		
	446		
	454		
	732		
	735		
	738		
	750HT		
	750SF		
	754		
	754A-HT		
	755		
	755S-HT		
	758		
	758HT		
	759		
	760		
	766AF		
	769		
	793RB		
	796		
Aeroquip Corporation	82503		
	82626		
	82626CS		
	A601000		
	HTGM 18		
Aircraft Marine Products Inc.	6831		
	66000-4		
	666002		
	32065		
Airmack Plastic	45-20		
Airtron Incorporated	CSD7R2		
American Phenolic Corporation	82		
Armet Industries	AR2045-4		

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Aviation Developments Canada Limited	A145(chobert) A417(chobert) 5440 9255A		
Aviation Electric	1652-6Z-A6-1 3913-1U-A1-1		
Barry Control Limited	B43BA6		
Bendix Aviation Corporation	10-101950 1661 3928		
Boots Aircraft Nut Corporation	H5S		
Bowden Engineers Limited	BLH B2H P-19-1 PN484 PN979 PN1369 PN1399		
Burndy Canada Limited	HP8N		
Cambridge Thermonic Corporation	1724B 172413 X1075B0 X1252B0 X1558 X1988B0 X2084C X2084D		
Camloc Fastener Corporation	2PS2C 4R1-14 4R1-16 4R49 4R50 4S7 4S9 4S10 4S15 5S13 26R5 26R51 26S8 28S10		

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Camloc Fastener Corporation	40G16		
	40S5		
	KM680		
	KM844-1		
	RG4		
	RG4S		
	22-12D		
	212-12		QPL5591
	214-16		QPL5591
	244-16		QPL5591
	2600		QPL5591
	2700		QPL5591
	4002		QPL5591
Canadian General Electric	8DJ81CAA1		
Cannon Electric Canada Limited	1075-10		
	2209-10		
	2245-9		
	TBF-28 I.P.S.		
Cherry Rivet Company	CR162	MS20601	(10)QPL7885
	CR163	MS20600	(10)QPL7885
	CR175		
	CR178		
	CR562	CS-R-110	
	CR563	CS-R-109	
	CR6624		
	CR6626		
	CR6634		
	CR6636		
Chrysler Corporation	(Oilite) A327-3		
Cutler Hammer Incorporated	24-1164-2		
	53-635		
	2666		
	7262		
	7660		
	7662		
	8800		
	8801		
	8810		
	8811		
	8812		
	8816		
	8820		
	8824		

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Dage Electric Company Incorporated	1-300-1 1-332-1 1-333-1 1-672-1 1-690-1 5-192-1 5-193-1		
Deutsch	6950 6951		
Dowty Equipment of Canada Limited	Q1416		
E.J. Dupont De Nemours and Company	56SL34A A286--A A286--100	MS20602B	QPL7885
Dzus Fastener Company	F3-30 S3-225 PC-3 PF-3 PS-3		
Elastic Stop Nut Corporation	A1 and NA1 A5 NA5 and NA5A A17 and A17A NA17 and NA17A A21 and NA21 NA24 A27 A38 and NA38 A41 NA101 NA797 A2500 NAJ1 EB LHA3022 LHTA57M2860 NL610 NC NKA1 RP-A RP-B	AN366 NAS1027 NAS1025 NAS1033 AN373F NAS1029 AN366	ANA159 ANA147 ANA147 ANA147 ANA147 ANA159 ANA147 (13) ANA159

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Elastic Stop Nut Corporation	Z1825		
	Z1835		
	ZEE1845		(12)
	12LHA1	AN362F	ANA325
	12LHA5	NAS1027	ANAL47
	12LHA401	NAS1031A	ANAL47
	22NG1	NAS1034-38	ANAL47
	22TM	AN364	ANAL59
	52LHA2935		
	52ZA5	NAS1027A	ANAL47
	52ZA17	NAS1025A	ANAL47
	52-012-062	NAS561P	
	52-028-125	NAS561P	
	52-040-187	NAS561P	
	70LHA401		
	79-012-062	MS171431-45	
	79-022-094	MS141492-512	
	79-040-187	MS171583-608	
	1452		
	1452RET		
	2452		
	2552		
	2552RET		
	2935		
Essex Manufacturing	199000-1		
	256000-1		
Fafnir Bearing Company	B500DD		
	DSP	AN206	QPL7949
	DW4K		
	FL3C6		
	KP	AN200	QPL7949
	KP-A	AN201	QPL7949
	KP-B	AN202	QPL7949
	KP-BS		
	KS	AN200	QPL7949
	KS-L	AN200	QPL7949
	P4K		
	RE3F4		
	RE4M		
Franklin C Wolfe Company Incorporated	600-601		
	630-041		
	630-641U		
	800-001		

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
General Electric Company	81774		
Grimes Manufacturing Company	A8285-24 D7825		
Hanler Corporation	Lock Wraplock		
A.W. Haydon Company	K25205		
Halco Bearing Division of U.S. Bearing Corporation	H-DL-9S-1		
Hartwell Aviation Supply Company	H48 H5000C H5010 H5100 H7200D H7200S H7215B H9325 H9355		
Heli-Coil Corporation	1191-C 1191-CN 3585-CN 3591-CN	MS124651-850 MS124651-850	(1) (1)
Heim Bearing Company	L55		
Henry Manufacturing Company	349 394 397 398		
Hi Shear Rivet Tool Company	HS15 HS30 HS30P HS37P HS38P HS48	NAS528 NAS525 NAS529	ANAL47 ANAL47 ANAL47
Huck Manufacturing Company	9SP-B ACT509HE ACT509HT ACT509NT ALP426E ALP426HE ALP426HT ALP426NE ALP426NT ALP509HE ALP509HT ALP509NT ALPBHE		(3)QPL7885 (7) (7) (7) (7) (4 & 7) (7) (4 & 7) (7) (7) (7) (7) (7)

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Huck Manufacturing Company	ALPPHE		(4 & 7)
	ALPPHT		(7)
	ALPPNE		(4 & 7)
	ALPPNT		(7)
	ALS426E		
	ALS509E		(7)
	ALSFE		(7)
	ALSFT		(7)
	ASCT509E		(7)
	ASCT509T		(7)
	BL		(5)
	CKL-P		(11)
	CKL-100V		(11)
	LC-C		
	LC-F		
	LC-R		
	OSR		
	R1028HT		(2)
	R1028NT		(2)
	R3001T		
	SAL PT		(6 & 14)
	SLS		(14)
International Resistance Company	RW20V2R5		
	RW20V222		
	RW20V250		
	RW20V630		
	RW20V900		
Janitrol Aircraft	A29C71		
	A40C60		
	C38C37		
	C39C71		
	E29C71		
	E38C37		
	E39C71		
	E40C60		
	F29C71		
	F38C37		
	F40C60		
	F55C45		
	H40C60		

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Kearfott Company Inc.	6B676 423040 423060		
J.K. Keeneth Corporation	5L3380		
Leach Relay Company	9205		
Lincoln Engineering Company	5030 5033 5385 600-601 5131		
Littlefuse Incorporated	123001 413001 413003 413016 442001 442006		
H.W. Loud	7703		
Marman Products Incorporated	321 325 360 365 501 502 504 601-S 621 621S 802 820 940 4472SP 24366-100 CF15-100		
Mechanical Products Inc.	MP701C MP702C MP703C MP704C		
Meletron Corporation	415-10-19		

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Minneapolis-Honeywell Regulator Company	Z1EN96 429829-3 CSX1264 GG48B1 LGI6D		
Monadnock Mills	99785 98293 99871		
National Screw Manufacturing Company	FL64 F200 F260 F312 F375 FL64-426 F200-426 FA164 FA200 FA260 PL64 P200 P260 P312 P375 FL64-426 PA164 PA200		(8) (9) (9) (8) (8) (8) (9) (9) (8) (9) (9) (8) (8) (8)
National Utilities	N13-62-400-S 502 621-S		
Nutt Shel Company	MA12600 MA12620 M12600 M12610 M12620 M12640 2600 2600HT 2610 6600EWHT 6800 9610D 12620 12700	NAS697 NAS698 NAS697 } For -08 NAS696 } -3 & NAS698 } -4 NAS1067 } only AN362F NAS1025 NAS684 NAS680	AN1147 AN1147 AN1147 AN1147 AN1147 AN1147 ANA325 AN1147 AN1147 AN1147

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Parker Appliance Company	1111-565122 2-327-AMS3303		
Pastushin Industries Inc.	11101ADJ 22201ADJ		
Pratt and Whitney	225420		
Precision Rubber Products	2-12 AMS3303 2-17 AMS3303 2-329 2-339AMS3303 2-341AMS3303 2-345 2-437AMS3303 90-2 914-2		
Purdy	1662 1664		
R.C.A.	R5610 R5611 R6620 647126 8703751 8706952 8708064		
Resistoflex Corporation	R3806-8-11		
Robinson Aviation Inc.	(Met-L-Flex)393-23 7002-H2		
Rosan Incorporated	R200SB RA200SB RD200SB RD300SB RL18SB RL21SB RL24SB RL28SB RL33SB RL38SB RBA--SA REA SF91 SF102 SF121		

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
R & M Bearings	RBC7		
Shafer Bearing Corporation	DT16A		
W.S. Shamban	SL1065		
Simmonds Aeroaccessories Limited	117206 117232 117238 117264 117764 118053		
South West Products	(Monoball) BS-R-5000C		
Spencer Thermostat Division of Metals and Controls Corp.	PLA-50 (KLIXON) PLA (KLIXON) PSA		
Standard Pressed Steel	EWB22 EWN22 PL122 WC22 WP22 22FT	AN364	ANAL59
Sperry Gyroscope Company of Canada Limited	287788 620359 620783		
Thomas Associates	TA-207		
Tinnerman Products Incorporated	A2927 A2946 A2972 A3187 A8567 A8938 A8939-632 A30114 B2927 82626	NAS487	ANAL47 Avro E.I.GEN 683
Titeflex Incorporated	218 X218		

<u>Vendor</u>	<u>Type or Part No.</u>	<u>Std. Dwg. No.</u>	<u>Approval</u>
Thompson Products	919 45-21294 45-22047 111002 784365		
Torrington Bearing Company	B BH GB H230Q NBC NBF NCC R10811	NAS505 NAS502 NAS506	ANAL47 ANAL47 ANAL47
United Carr Fastener Corp.	51177 51338 63401		
U.S. Rubber Company	A301 FCB-20441		
Vickers Incorporated	AA31308		
Waldes Kohinoor Incorporated	5000-425 5002-300 5100-25		
Waste King Corporation	3186 3372		
Weatherhead Company	ER01234 ER010129		
E.B. Wiggins Oil Tool Company	3605 3608 3651-D 3655 3752		
Wittek Manufacturing Company	WWD22		

- (1) Wright Air Dev. WCLSJ3 Dated Dec. 28/55
- (2) Wright Air Dev. WCNSJ1 Dated Aug. 19/52
- (3) Wright Air Dev. MCREXA71 Dated July 7/50
Dept. of the Navy AER-AE/62-63561 Dated Aug. 15/50
- (4) Dept. of the Navy AER-AE622/263 Dated Dec. 21/54
Wright Air Dev. WCLSJ3 Dated Aug. 9/54
- (5) Wright Air Dev. MCREXA71 Dated July 5/50
Dept. of the Navy AER-AE-332 Dated Feb. 7/51
- (6) Wright Air Dev. WCLSJ1 Dated July 6/53
- (7) Huck Lock Bolts and Lockbolt Stumps Acceptable as Per ANC5 Paragraph 3.6116
- (8) Dept. of the Navy Letter AER-AE-6331/4 Dated Jan. 23/57
- (9) Dept. of the Navy Letter AER-AE-624/98 Dated May 18/54
- (10) Dept. of the Navy Letter AER-TD-21/402 Dated Aug. 25/55
- (11) Naval Air Material Center
Naval Air Experimental Station
Letter XM-62-JJ43(999) dated January 6th, 1948
- (12) Wright Air Dev. WCLSJ3 Dated Nov. 8/55
- (13) Wright Air Dev. WCLSJ3 Dated Aug. 19/54
- (14) Wright Air Dev. WCLSJ3 Dated July 21/55

