

Security
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Australian Air Publication **715.11**

VOLUME 3, PART 1

First Edition
March, 1955

ROYAL AUSTRALIAN AIR FORCE



Engineers

SCHEDULE OF SPARE PARTS

For

Aircraft Air Compressors

GROUP N.

--

SECTION 37G

ISSUED FOR THE INFORMATION AND GUIDANCE OF ALL CONCERNED,

BY COMMAND OF THE AIR BOARD,

Secretary.

DEPARTMENT OF AIR
MELBOURNE, S.C.1

RESTRICTED

Amendment Certificate

Amendment List		Amendments Made By	Date
No.	Date		
1	March 57	County - Bankston	
5	July 57	County - Bankston	
6	Nov 57	Bankston	23 7 57
7	June 58	Bankston	14. 10. 58

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E.A.V.D. 9160/57.

ROYAL AUSTRALIAN AIR FORCE

AUSTRALIAN AIR PUBLICATION

AMENDMENT LIST NO. 6

NO. 715.11 VOLUME 3

DATED NOVEMBER, 1957.

PART 1

SCHEDULE OF SPARE PARTS

Complete in 23 Sheets

NOTE: Any amendments made to Australian Air Publication No. 715.11 Volume 3 Part 1 and any Allied Publication must bear the Amendment List Number as authority for such amendments.

AUSTRALIAN AIR PUBLICATION No. 715.11

VOLUME 3 PART 1

GROUP "N" : SECTION 37G.

AIRCRAFT AIR COMPRESSORS

1ST EDITION

MARCH 1955

NEW PAGES ✓

Remove and destroy existing pages 2, 6, 15 to 25 incl. and insert new pages 2, 6, 12 to 22 incl. attached.

PAGES 26 and 27 ✓

Re-number to read 23 and 24 respectively.

PAGE 28 ✓

Remove and destroy.

PAGES 29 to 35 incl. ✓

Re-number to read 25 to 31 incl. ✓

PAGES 36 to 42 incl. ✓

Remove and destroy and insert new pages 32 to 39 incl. attached. ✓

Sheet 1

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A.A.P. No. 715.11.
Vol. 3 Part 1.
Inserted by A.L.6.

E.A.V.D. 9160/57.

2.

The following items have been inserted in this Publication.

IDENT NO.	PART NO.	NOMENCLATURE	D. OF Q.	CLASS
N37G/607	D.6395	Filter Group	No.	C
500024	A.2543(M)	Compressor, Air, Hymatic Type SH6/2A-AUS	No.	A ✓

3.

The following item previously declared Obsolete by ABO.N530/54, and subsequently reinstated by ABO.N. 377 /57, has been inserted in this Publication.

IDENT NO.	PART NO.	NOMENCLATURE	D. OF Q.	CLASS
N37G/624	D.5767	SEATING	No.	C ✓

4.

The following items declared Obsolete by ABO.N. 411/57, are deleted from this Publication. The Index to Ident numbers has been actioned in accordance with the Memorandum of Instructions Para. 5.

IDENT NO.	PART NO.	NOMENCLATURE
N37G/527(Z)	D.3679	COLLAR
539(Z)	D.3684	FILTER
543(Z)	D.5137	HEAD CYLINDER & VALVE GROUP
544(Z)	C.3041	HEAD, CYLINDER
545(Z)	C.3182	HEAD CYLINDER & VALVE GROUP
547(Z)	D.3681	PIN, COTTER
600(Z)	D.3676	VALVE INLET GROUP
601(Z)	D.3678	VALVE, INLET
1288(Z)	A.1224	SPINDLE

Sheet 2

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E.A.V.D. 8737/57.

ROYAL AUSTRALIAN AIR FORCE.

AUSTRALIAN AIR PUBLICATION.

AMENDMENT LIST NO. 5.

NO. 715.11 VOLUME 3.

DATED JULY, 1957.

PART 1.

SCHEDULE OF SPARE PARTS.

Complete in 2 sheets.

NOTE: Any amendments made to Australian Air Publication No. 715.11 Volume 3 Part 1 and any Allied Publication must bear the Amendment List Number as authority for such amendments.

AUSTRALIAN AIR PUBLICATION NO. 715.11.

VOLUME 3 PART 1.

GROUP "N" : SECTION 37G.

AIRCRAFT AIR COMPRESSORS.

1st EDITION.

MARCH, 1955.

The following Ident Nos allotted but not promulgated, are hereby corrected as shown. Units holding stocks are to correct accounts by voucher.

Old Ident No.	Pesco Part No.	Nomenclature.	New Ident. No.
N37G/500240	012082-025-03	Pump Assembly Hydraulic	N37J/502196
500245	99-1298	Ring Seal	502211
500246	99-995	Ring Seal	502212

New Page.

Page 1 remove and destroy this page and insert new page 1 attached.
Obsolete Item.

The following item N37G/985 declared obsolete by ABO N 236/57 is to be deleted from the vocabulary in accordance with Memorandum of Instructions para's 4 and 5. Units holding stocks are to take disposal action in accordance ABO E 15/8.

Sheet 1.
RESTRICTED.

R E S T R I C T E DROYAL AUSTRALIAN AIR FORCEAUSTRALIAN AIR PUBLICATIONAMENDMENT LIST NO.1NO.715.11 VOLUME 3DATED MARCH, 1955PART 1SCHEDULE OF SPARE PARTS

(Complete in 3 Sheets)

NOTE : Any amendments made to Australian Air Publication No.715.11 Volume 3 Part 1 and any Allied Publication must bear the Amendment List Number as authority for such amendments.

AUSTRALIAN AIR PUBLICATION NO.715.11VOLUME 3 : PART 1GROUP "N" : SECTION 37GAIRCRAFT AIR COMPRESSORS1st EditionMarch, 1955.1. Introduction

The first (1st) Edition of this Publication is hereby introduced and is to be taken into use forthwith.

Australian Air Publication No.2 Group "N" Section 37G (5th Edition) is hereby cancelled and may be destroyed.

2. Difference

The difference between AAP No.2 and this publication is set out hereunder :-

- (a) Various new items have been included.
- (b) Items to be corrected by vouchers are listed on sheets No.2 and 3.
- (c) Ident Nos. 82, 127, 302, 304, 538, 1019, 1020, 1025, are hereby declared obsolete and have been omitted.

Units holding stocks are instructed to take disposal action in accordance with A.B.O. "N" 807/1954.

The following items are to be corrected by voucher as shown :-

Corrected from	Part No.	Corrected to	Nomenclature
N37G/685	D4921	T27VB/3221	Union Air Inlet Group
686	D4924	3222	Union Air Outlet Group
687	D4939	3224	Washer Joint
688	D4938	3223	Washer Joint

Sheet 1.

Corrected from	Part No.	Corrected to	Nomenclature
N37G/992	A2657/F3	T27VB/3416	Tool Taping Valve Seat
8002	C50347	3179	Valve Relief Hymatic Type
8022	D5331	3010	Cap Sealing
8023	D5328	3008	Carrier Spring
8030	D6729	3238	Connection
8024	D5920	3011	Filter
* 8031	D5502	-	Guide Valve
8034	D5501	3234	Valve Transfer
8025	D5329	3007	Plug Adj.
8026	D5330	3009	Ring Locking
8027	D5327	3006	Spring Inner
8028	D5326	3005	Spring Outer
8033	D4712	3219	Spring for Plate
8032	D5504	3235	Ring Joint
652 (Z)	B2808	3166	Trap Oil and Water Type OWT.46
* 667 (Z)	D4954	-	Cover Bottom
* 664 (Z)	D4206	-	Guide Spring
* 666 (Z)	D4210	-	Handle Drain Valve
* 668 (Z)	D4059	-	Nut Locking Unions
675 (Z)	D4955	3228	Plate Anchor
677 (Z)	D4956	3229	Plug Nipple
* 670 (Z)	D4066	-	Spring Return
674 (Z)	D4211	3208	Union Air Inlet
676	D4212	3209	Union Air Outlet
* 678 (Z)	D4064	-	Valve Drainage
680 (Z)	D4060	3203	Washer Joint
* 682 (Z)	D4207	-	Washer Tab
8000	C50418A	3181	Valve Relief Hymatic Type
8020	C5569	3072	Adaptor
1012	CX53382	N1/ 3556	Screw
706	A2657	T27VB/3247	Valve Pressure Regulator
711	D4512	3024	Ball 1/4 Diam
713	D4176	3204	Bellows Group

R E S T R I C T E D
Sheet 2

Corrected from	Part No.	Corrected to	Nomenclature
N37G/725	D3731	T27VB/3187	Dowel Locating
721	D4308	3018	Body for regulator Valve
735	D4306	3135	Body Non Return Valve
737	D4509	3045	Body Safety Valve
739	D4514	3215	Cover Bellows
741	D4305	3017	Filter Air Intake
777	D4506	3213	Guide Bellows Valve
745	D4510	3022	Nut Cap
747	D4504	3021	Nut Cap
753	D4319	3212	Plug Exhaust
* 742	D3703	-	Ring Joint
743	D3725	3013	Ring Wire
763	D4310	3210	Rod Push
768	D4511	3023	Screw Adj.
769	D4517	3027	Spring Retaining
770	D4516	2847	Spring Retaining
772	D4519	3217	Spring Retaining
773	D4311	3211	Union Retaining
774	D4958	3230	Valve Bellows Group
775	D4307	2850	Valve Safety
765	D4185	3016	Washer Joint
776	D4513	3214	Washer Tab
653	B2946	3168	Trap Oil and Water
658	D4936	3148	Body Valve Drain
665	D4935	3150	Chain Retaining
659	D4932	3154	Nut Valve
* 683 (Z)	D4931	-	Plug Nipple
689	D4941	3225	Plug Nipple
679	D4934	3156	Ring Locking
684	D4933	3157	Ring Locking
8021	D5570	3073	Body
8029	C50743	3178	Adaptor

NOTE : Current items marked * will be corrected at a later date.

R E S T R I C T E D
Sheet 3.

GROUP N : SECTION 37G.

MEMORANDUM OF INSTRUCTIONS.

PURPOSE OF THE VOCABULARY.

1. This vocabulary is compiled as the authority for correct equipment identification, and as an aid for provisioning.

IDENTIFICATION NUMBERS.

2. All identification numbers appear in the identification number column and are to be known as N37G unless shown otherwise.

OBSOLESCEMENT EQUIPMENT.

3. The Obsolescent Sign "Z" inseted against the identification number indicates that further purchases of that item will not be made and existing stocks are to be used until exhausted.

OBSOLETE EQUIPMENT.

4. Air Board Orders Section "N" will declare items of equipment obsolete and instruct disposal action to be taken. On receipt of this authority, units are to adjust stock records and amend the vocabulary as follows :-

- (a) In accordance with the provisions of A.B.O. E. 15/8, insert against the identification number of the declared item the obsolete symbol "O" and also the number and date of the applicable "N" Order.
- (b) With the exception of the identification number, which is to be left standing, all other details including nomenclature, details, class and denomination of qty., are to be ruled through in ink, and over the ruled out nomenclature is to be written:- "Stocks to be disposed of".

5. Items which have been declared obsolete will be retained in the index showing the applicable "N" order in the page number column. Items retained will be only those declared obsolete after 1st April, 1957 (A.B.O.N. 114/57 onwards). In future all obsolete items will be shown in the index for a period of two years before being finally deleted.

SUGGESTED AMENDMENTS.

6. It is essential that users of this Publication at once notify Department of Air (Vocabulary Section) direct, of :-

- (a) Errors and omissions,
- (b) Suggestions for the improvement of, or additions to the Vocabulary,
- (c) Any lack of detail which causes difficulties in the identification of equipment.

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A.A.P. No.715.11.
VOL.3 Part.1.
Inserted by A.L.6.

E.A.V.D 9160/57.

GROUP "N" : SECTION 37G.

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COMPRESSOR Air Hymatic Type SH6/2A-AUS.	12
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E.A.v.D. 6855/55

GROUP "N" : SECTION 37G

AIR COMPRESSORS

1	2	3	4	5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	Mk.1	Mk.2	Cl.
			1 2 3 4 5 6			
1251 (Z)	37G/1251	D.1201	COMPRESSOR, Air, Engine Driven, Arrow Type Mark 1	1		A
1252	1252	D.1201	COMPRESSOR, Air, Engine Driven, Arrow Type Mark 2		1	A
1260	1260	A.1219 HOFF.RL.7E }	Consisting of :- Bearing, Roller Journal, with Cage for Rotor Shaft	2	2	A
1261	1261	A.1221	Blade, Rotor	8	8	C
1262	1262	B.1202	Body, Group	1	1	A
		C.1211	Consisting of :- Body	1	1	
		C.1213	Liner	1	1	
		C.1248	Peg	1	1	
1263 (Z)	1263	B.1260	Body, Air Delivery Valve Group	1		C
1303	1303	B.1751	Body, Air Delivery Valve Group		1	C
		B.1222	Consisting of :- Body	1	1	
		A.1223	Guide	1	1	
		A.1249	Plug	AR	AR	
		A.1254	Screw Locking	1	1	
1300	1300	A.1250	Bolt 7/32-in. B.S.F. x 4.35-in. Securing End Cover	5	5	C
1264	1264	A.1252	Bolt 7/32-in. B.S.F. x 4.44-in. Drilled Securing End Cover	1	1	C

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GROUP "N" : SECTION 37G

AIR COMPRESSORS

1	2	3	4						5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature						Mk.1	Mk.2	Cl.
			1	2	3	4	5	6			
H28/7476	28D/7476	A15Y/42E					Continued.				
							Bolt, 1/4-in. B.S.F. Securing End Cover		4	4	C
1265	37G/1265	A.1207					Bolt, Oil, Inlet Filter, Group		1	1	C
		B.1235					Consisting of :- Bolt		1	1	
		A.1236					Filter		1	1	
1266	1266	A.1218					Collar, Splined, for Rotor Shaft		2	2	C
1267	1267	A.1233					Connection, Air Inlet		1	1	C
1268	1268	A.1234					Connection, Oil Inlet		1	1	C
1269	1269	B.1231					Cover, Rear End		1	1	C
1270	1270	A.1245A					Dowel, Locating End Covers		4	4	C
1271	1271	A.1245B					Dowel, .007 Oversize, Locating End Covers		4	4	C
1272	1272	A.1245C					Dowel, .015 Oversize, Locating End Covers		4	4	C
1273	1273	A.1206					Filter, Air, Group		1	1	C
		A.1239					Consisting of :- Cap, End		1	1	
		A.1240					Gauze		1	1	
		A.1238					Ring, Centre		1	1	
		A.1237					Ring, End		1	1	

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GROUP "N" : SECTION 37G

A.V.D. 6855/55

AIR COMPRESSORS

1	2	3	4	5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	Mk. 1	Mk. 2	Cl.
			1 2 3 4 5 6			
1274	37G/1274	B. 1228	Continued Flange, Mounting (Drive End Cover)			
1275	1275	A. 1270	Joint, Between delivery Valve Body and end cover	1	1	C
1276	1276	A. 1271	Joint, Between Inlet Connection and end cover	1	1	C
H28/ 6179	28M/6179	A16Y/DP	Nut Hex. 7/32-in. B.S.F. for Bolts Securing End Cover	1	1	C
H28/ 25852	7115	A16Y/DS	Nut, Hex Slotted 7/32-in. B.S.F. for Bolt Securing End Cover	5	5	C
H28/ 756	756	A16Y/EP	Nut, Hex 1/4-in. B.S.F. for Bolts Securing End Cover	1	1	C
H37G/ 1277	37G/1277	A. 1229	Nut, Hex (Drive End Block) Securing Oil Seal in Mounting Flange	4	4	C
1278	1278	A. 1232	Nut, Hex (Rear End Block) Securing Rear End Bearing	1	1	C
1279	1279	A. 1216	Nut, Hex Securing Rotor Shaft	1	1	C
1280	1280	A. 1243	Piece, Distance Locating Oil Seal	2	2	C
1306	1306	A. 1753	Plate, "Modification"	1	1	C
1281(Z)	1281	A. 1204	Rotor and Shaft Group		1	C
1308	1308	A. 1791	Rotor and Shaft Group	1		A
		1214	Consisting of :- Rotor		1	A
		A. 1790	Rotor	1		
1284	1284	B. 1215	Shaft		1	

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AIR COMPRESSORS.

1	2	3	4	5	6	7
Ident No.	R...F. Ref. No.	Part No.	Nomenclature	MK. 1.	MK. 2.	Class
H128F/ 15111	28S/6626		Screw, Parker-Kalon No.00 x 3/16-in. securing mod. plate			
1282	37G/1282	A1242	Seal, Oil "Gaco"		1	C
1283	1283	A.1225	Seating, Air Delivery Valve	1	1	C
1284	1284	B.1215	Shaft, Rotor	1	1	C
1285	1285	A.1246A	Shim, .002-in. thick, for mounting flange	1	1	C
1286	1286	A.1246B	Shim, .0025-in. thick, for mounting flange	AR	AR	C
1287	1287	A.1246C	Shim, .003-in. thick, for mounting flange	AR	AR	C
1304	1304	A.1750	Spindle, Air Delivery Valve	AR	AR	C
1289	1289	A.1226	Spring, Air Delivery Valve		1	C
1290(Z)	1290	B.1205	Valve, Air Delivery Group	1	1	C
1305	1305	B.1752	Valve, Air Delivery Group	1		A
1263(Z)	1263	B.1260	Body, Group		1	A
1303	1303	B.1751	Body, Group	1		C
1283	1283	A.1225	Seating		1	C
				1	1	C

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GROUP "N" : SECTION 37G

AIR COMPRESSORS

1	2	3	4						5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature						MK.1	MK.2	Cl
			1	2	3	4	5	6			
1304	37G/ 1304	A.1750				Continued Spindle				1	C
1289	1289	A.1226				Spring			1	1	C
1291	1291	A.1257				Washer, Plain, for 1/4-in. B.S.F. Bolts securing End Cover			4	4	C
1299	1299	A.1247				Washer, Oil Inlet Bolt			2	2	C
1292	1292	A.1253				Washer, spring for 7/32-in. B.S.F. Bolts Securing End Cover			6	6	C
1293	1293	A.1259				Washer, Spring, Securing Bearings			2	2	C
H128F/ 30512	287/ 3099	AGS162/D				Washer, Spring, for 1/4-in. B.S.F. Bolts Securing End Cover			4	4	C
1294	1294	A.1241				Washer, Tab, Locking End Block nuts securing oil seal and Bearings			2	2	C
1295	1295	A.1217				Washer Tab Locking Nut Securing Rotor Shaft			2	2	C
						Wire, Locking 20 S.W.G.			AR	AR	
W3/ 3510	29A/ 382		TRANSPORTATION Parts :-								
	37G/ 1296	A.1262				Bolt, 1/4-in. Whit. x 1-in. for Packing Case			2	2	
1296	1296	A.1262				Cap, Blanking, Air Delivery Valve			1	1	C
1297	1297	A.1261				Cap, Blanking Air Inlet Connection			1	1	C
1298	1298	A.1263				Cap Blanking, Oil Inlet Connection			1	1	C
1301	1301	C.1265				Case, Packing			1		A

R E S T R I C T E D
GROUP "N" : SECTION 37G
AIR COMPRESSORS

E.A.V.D.6855/55

1	2	3	4						5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature						Mk.1	Mk.2	Cl.
			1	2	3	4	5	6			
W3/1006	29A/		Continued								
	1228		Nut, 1/4-in. Whit for packing case bolts						2		C
N37G/1302	37G/	A.1264	Tube, Protecting Splines						1		C
	1302		Washer, Plain, for Packing Case Bolts						2		C
W3/1222	29C/										
	1818										

R E S T R I C T E D

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GROUP "N" : SECTION 37G
AIR COMPRESSORS

1	2	3	4						5	6	7	8
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature						Mk.1	Mk.2	Mat- erial	Cl.
			1	2	3	4	5	6				
			<u>REPAIR BASE TOOLS FOR COMPRESSORS, ARROW TYPE</u>									
1421	37G/1421	T.8916	BLOCK,	Assembling					1	1	MJS.	A
1422	1422	T.9725	BLOCK,	Holding					1	1	CHS	A
1423	1423	T.9712	BLOCK,	Lapping, Radius Edge of Blade					1	1	C.1	A
1424	1424	T.9690	DRIFT,	Hollow					1	1	Brass or Alum	A
1425	1425	T.9747-A	DRILL,	Special .213-in. (For use with T.9376)					1	1	CHS	A
1426	1426	T.9747-B	DRILL,	Special .220-in. (For use with T.9376)					1	1	CHS	A
1427	1427	T.9747-C	DRILL,	Special .228-in. (For use with T.9376)					1	1	CHS	A
1428	1423	T.9376	FIXTURE,	Assembling and Reaming					1	1		A
1430	1430	T.8911	FIXTURE,	Valve Testing					1	1		A
1431	1431	G.9383	GAUGE,	Checking					1	1	M.S.	A
1432	1432	G.9052	GAUGE,	Length					1	1	CHS	A
1433	1433	G.9560-1	GAUGE,	Plug .2498-in. - .2500-in.					1	1	CHS	A
1434	1434	G.9560-2	GAUGE,	Plug .2502-in. - .2504-in.					1	1	CHS	A
1435	1435	G.9560-3	GAUGE,	Plug .2506-in. - .2508-in.					1	1	CHS	A
1436	1436	G.9560-4	GAUGE,	Plug .2510-in. - .2512-in.					1	1	CHS	A

R E S T R I C T E D
GROUP "N" : SECTION 37G
AIR COMPRESSORS

E.A.V.D.6855/55

1	2	3	4	5	6	7	8
Ident. No.	R.A.F. Ref. No.	Part No.	Nomenclature	Mk.1	Mk.2	Mat- erial	Cl.
			1 2 3 4 5 6				
N37J/ 3213	37J/ 3213	AG.1297	Continued GAUGE, Interchangeability (Not supplied with each kit)	1	1		
N37J/ 3214	37J/ 3214	AJ.5247	HANDLE	1	1		
N37J 3239	37J/ 3239		INDICATOR, Dial, Beta Mercer Type	1	1		
N37G/ 1456	37G/ 1456	T.9749	INSERTER, Dowel (For use with T.9376)	1	1	CHS	A
1437	1437	T.9659	JAWS, Vice	2	2		A
1438	1438	T.9549	Key, Special	1	1		A
N37J/ 3127	37J/ 3127	TC.594	PLATE, Lap 8-in. square	1	1		
N37G/ 1439	37G/ 1439	T.9748A	PIN, Locating (For use with T.9376)	1	1	CHS	A
1440	1440	T.9748B	PIN, Locating (For use with T.9376)	1	1	CHS	A
1441	1441	T.9748C	PIN, Locating (For use with T.9376)	1	1	CHS	A
1442	1442	T.9748D	PIN, Locating (For use iwht T.9376)	1	1	CHS	A
1443	1443	T.9740	PUNCH, for inserting Roller Race	1	1	CHS	A
1444	1444	T.9741	PUNCH, for extracting Roller Race	1	1	CHS	A
1445	1445	T.9742	PUNCH, for inserting Oil Seal	1	1	CHS	A
1446	1446	T.9743	PUNCH, for extracting Oil Seal	1	1	CHS	A
1447	1447	T.9745-1A	PUNCH, Special (for use with T.9376)	1	1	CHS	A

R E S T R I C T E D
 GROUP "N" : SECTION 37G
AIR COMPRESSORS

1	2	3	4	5	6	7	8
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	Mk.1	Mk.2	Mat- erial	Cl
			1 2 3 4 5 6				
1448	37G/ 1448	T.9745-1B	Continued REAMER, Special (for use with T.9376)	1	1	CHS	A
1449	1449	T.9745-1C	REAMER, Special (for use with T.9376)	1	1	CHS	A
1450	1450	T.9745-2A	REAMER, Special (for use with T.9376)	1	1	CHS	A
1451	1451	T.9745-2B	REAMER, Special (for use with T.9376)	1	1	CHS	A
1452	1452	T.9745-2C	REAMER, Special (for use with T.9376)	1	1	CHS	A
1453	1453	T.9381	SPANNER, Box, Complete with Tommy Bar	1	1	M.S.	A
1454	1454	T.9750	SPANNER, Box, Special (for use with T.9376)	1	1		A
1455	1455	T.9651	STAND CHECKING	1	1		A
1457	1457	A.1300	TOOL, Valve Lifting	1	1	Steel	A

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GROUP "N" : SECTION 37G

E.A.V.D. 9160/57.

AIR COMPRESSORS.

1	2	3	4	5	6	7	8
Ident No.	I.A.F. Ref. No.	Part No.	Nomenclature	SH 6/5B	SH 6/5A1	SH 6/2A- AUS	Cl _a
501(Z)	37G/501	A.2543	COMPRESSOR, Air, Hymatic Type SH6/2				
505(Z)	505	A.2543	COMPRESSOR, Air, Hymatic Type SH6/2A				
500024		A.2543(M)	COMPRESSOR, Air, Hymatic Type SH6/2A-AUS				
500002(Z)			COMPRESSOR, Air, Hymatic Type SH6/5A1				
10023		A.15070	COMPRESSOR, Air, Hymatic Type SH6/5B				
500020(Z)		D.3715	Banjo, Oil Inlet (Superseded by N37G/500023)	1			
500023		D.7734	Banjo, Oil Inlet	1			
520	520	D.3669	Bolt, Round Head 1BA	1			
521(7)	521	D.4401	Bush, Screwed, for salvage of Crankcases	2	2	2	
526	526	D.3723	Circlip, Retaining, Driving Shaft	1	1	1	
531	531	D.5319	Collar, Valve Inlet	1	1	1	
528	528	D.3713	Collar, Blanking, for Oil Inlet Filter Screw	1	1	1	
Alt. { 529	A { 529	D.3660	Collar, Screwed, Clamping Cylinder to Crankcase	1	1	1	
597	L { 597	D.5766	Collar, Screwed, Clamping Cylinder to Crankcase	1	1	1	
	P { 597			1	1	1	

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1	2	3	4
Ident No.	P.A.F. Ref.No.	Part No.	Nomenclature
532	37G/532	C.3032 D.3674	1 2 3 4 5 6 Crankcase, Group Bush, Bearing for Crankshaft
		C.3035	Crankcase, Driven End
		C.3034	Crankcase, Driving End with Oil Inlet Insert D.3691
537	537	D.3675	Dowel, Screwed, Locking Bearing Bush
576	576	D.3664	Screw, Long, Securing Crankcase Halves
578	578	D.3665	Screw, Short, Securing Crankcase Halves
604	604	D.3663	Washer, Plain
599(2)	599	C.50336 D.3674	Crankcase Group (Alternative to N37G/532). Bush, Bearing for Crankshaft
		C.50339	Crankcase, Driven End
		C.3034	Crankcase, Driving End, with Oil Inlet Insert D.3691
537	537	D.3675	Dowel, Screwed, Locking-Bearing Bush
619	619	D.6519	Jointing, Between Cover Plate and Crankcase

5	6	7	8
SH 6/5B	SH 6/5A1	SH 6/2A- AUS	Class
1	1	1	A
1	1	1	
1	1	1	
1	1	1	
1	1	1	
1	1	1	C
2	2	2	C
3	3	3	C
5	5	5	C
1	1	1	A
1	1	1	
1	1	1	
1	1	1	C
1	1	1	C

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Ident No.	R.A.F. REF.No.	Part No.	Nomenclature						5 SH 6/5B	6 SH 6/5A1	7 SH 6/2A- AUS.	8 Class
			1	2	3	4	5	6				
620	37G/620	D.6518	Plate	Cover					1	1	1	C
		D.6524	Plate	Name (Blank).					1	1	1	
623	623	D.6520	Screw	Securing Cover Plate					4	4	4	C
576	576	D.3664	Screw	Long, Securing Crankcase Halves					2	2	2	C
578	578	D.3665	Screw	Short, Securing Crankcase Halves					3	3	3	C
H128F/15113			Screw	D.K. No. OX 1/8-in. Securing Name Plate					2	2	2	C
604	604	D.3663	Washer	Plain					5	5	5	C
626	626	D.4990	Washer						4	4	4	C
534	534	C.3187	Crankshaft	Group					1	1	1	A
		C.3038	Crankshaft						1	1	1	
		D.3666	Plug						1	1	1	
536(Z)	536		Cylinder	Group (Superseded by N37G/605).						1	1	A
		C.3040	Cylinder							1	1	
540	540	D.3702	Guide	for Delivery Valve						1	1	C
562(Z)	562	D.3707	Ring	Joint						1	1	C

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Ident No.	2	3	4						5	6	7	8
	R.A.F. Ref. No.	Part No.	Nomenclature						SH 6/5B	SH 6/5A1	SH 6/2A- AUS	Class
590	37G/590	D.3706	1	2	3	4	5	6				
594(Z)	594	D.3703								1	1	C
598	598	D.3701								1	1	C
605	605	C.51171 C.3040								1	1	C
621	621	D.5525							1	1	1	A
590	590	D.3706							1	1	1	C
625	625	C.50638							1	1	1	C
598	598	D.3701							1	1	1	C
618	618	D.6396							1	1	1	C
50003 500011		C.50189 C.50188									1	A
531	531	D.5139							1	1		A
500012		C.50190							1	1	1	C
607	607	D.6395							1	1		C
											1	C

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1	2	3	4	5	6	7	8
Part No.	E.A.F. Ref. No.	Part No.	Nomenclature	SH 6/5B	SH 6/5A1	SH 6/2A-AUS	Class
556	37G/566	D.3682	Gasket	1	1	1	C
		C.50214	Head, Cylinder			1	
		C.3400	Head, Cylinder	1	1		
624	624	D.5767	Seating			1	C
585	585	D.3677	Seating	1	1		C
591	591	D.3680	Spring	1	1	1	C
603	603	D.5138	Valve	1	1	1	C
I1/9676	30B/1313		Wire, Sealing	AR	AR	AR	C
546	546	D.3670	Nut, Securing Con Rod Bearing Cap	2	2	2	C
548	548	D.3673	Pin, Dowel, Retaining Gudgeon Pin	2	2	2	C
H28B/5211		AGS.166-1B	Pin, Split, 3/64-in. Dia. x 1/2-in. for Nuts Securing Connecting Rod Bearing	2	2	2	C
553	553	C.3189	Piston Group	1	1	1	A
542	542	D.3694	Guide	1	1	1	C
		C.3043	Piston				

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AIR COMPRESSORS.

1	2	3	4	5	6	7	8
Ident. No.	R.A.F. Ref. No.	Part No.	Nomenclature	SH 6/5B	SH 6/5A1	SH 6/2A- AUS.	Class
564	37G/564	D.3698	2 3 4 5 6 Ring	1	1	1	C
584	584	D.3695	Seat	1	1	1	C
592	592	D.3696	Spring	1	1	1	C
602	602	D.3693	Valve	1	1	1	C
606	606	D.3697	Washer	1	1	1	C
555	555	C.3190	Piston Group (0.020-in. oversize). (This group is identical to N37G/553 except that Part No. C3043 is replaced by C3181).	1	1	1	A
552	552	D.3661	Plate, Lock, for Cylinder Clamping Collar	1	1	1	C
558	558	D.3711	Plug, Oil Outlet (Only 2 No. required when Oil Outlet is taken through Flange)	3	3	3	C
560	560	D.3714	Ring, Joint, Between Blanking Collar and Filter Screw	1	1	1	C
562(Z)	562	D.3707	Ring, Joint, Between Delivery Valve and Cylinder			1	C
621	621	D.5525	Ring, Joint, Between Delivery Valve and Cylinder	1	1	1	C
564	564	D.3698	Ring, Joint Between Transfer Valve Seat and Piston	1	1	1	C

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AIR COMPRESSORS.

1	2	3	4	5	6	7	8
Ident No.	E.A.F. Ref. No.	Part No.	Nomenclature	SH 6/5B	SH 6/5A1	SH 6/2A- AUS.	C _l a _s s
			1 2 3 4 5 6				
567	574/567	D.4193	Ring, Joint for Blanking Collar	1	1	1	C
568	568	D.3699	Ring, Oil Seal, at Driving End of Crankshaft (Not supplied with complete Compressor)	1	1	1	C
570(Z)	570	D.3716	Ring, Piston, Upper (First Stage)	3	3	3	C
577	577	D.4194	Ring, Piston, 0.020-in. Oversize, upper, (First Stage)	3	3	3	C
610	610	D.4198	Ring, Piston, 0.002-in. Oversize, Upper (first Stage)	3	3	3	C
572(Z)	572	D.3717	Ring, Piston, Lower (Second Stage)	3	3	3	C
579	579	D.4195	Ring, Piston 0.020-in. Oversize, Lower (Second Stage)	3	3	3	C
611	611	D.4199	Ring, Piston, 0.002-in. Oversize, Lower (Second Stage)	3	3	3	C
573	573	C.3036	Rod, Connecting Group	1	1	1	A
520	520	D.3669	Bolt	2	2	2	C
		D.3672	Bush, Small End	1	1	1	
546	546	D.3670	Nut	2	2	2	C
		C.3037	Rod, Connecting, Complete with Bearing Cap	1	1	1	
574	574	D.3662	Screw, Cheese Hd., O.B.A. x .5-in. Securing Cylinder Head			5	C

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1	2	3	4	5	6	7	8
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	SH 6/5B	SH 6/5A1	SH 6/2A- AUS	C ₁ a ₂ b ₃
576	37G/576	D.3664	Screw, Cheese Hd., long waisted, O.B.A. securing crankcase halves	2	2	2	C
578	578	D.3665	Screw, Socket Head, short waisted, O.B.A. securing Crankcase halves	3	3	3	C
500013		D.5336	Screw, Elbow Fixing	2	2		C
500009		D.5770	Screw, Cylinder Head Fixing, Short	3	3		C
500010		D.5771	Screw, Cylinder Head Fixing, Long	2	2		C
583	583	D.4251	Screw, Oil Filter Group	1	1	1	C
		D.3690	Gauge 40/45 mesh	1	1	1	
		D.4252	Screw, Hollow	1	1	1	
581(Z)	581	D.3720	Screw, Hollow, Oil Inlet Filter (for Compressors Serial Nos. Up to 4999).			1	C
584	584	D.3695	Seat, for Transfer Valve	1	1	1	C
585	585	D.3677	Seat, for Inlet Valve	1	1	1	C
586	586	C.3039	Shaft, Splined Driving (Not supplied with Complete Compressor)	1	1	1	C

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AIR COMPRESSORS.

1	2	3	4	5	6	7	8
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	SH 6/5B	SH 6/5A1	SH 6/2A- AUS	C l a s s
			1 2 3 4 5 6				
588	37G/588	D.3683	Spring for Driving Shaft (Not supplied with Complete Compressor)	1	1	1	C
590	590	D.3706	Spring, Retaining, Delivery Valve	1	1	1	C
591	591	D.3680	Spring for Inlet Valve	1	1	1	C
592	592	D.3696	Spring, Retaining Transfer Valve	1	1	1	C
594(Z)	594	D.3703	Union Delivery (for Compressors Serial No. 5000 onwards) (Superseded by N36G/625).			1	C
596	596	D.3708	Union, Oil Outlet (Not supplied with Compressors when 3 plugs Ident No. N37G/558 are fitted).	1	1	1	C
625	625	C.50638	Union, Delivery	1	1	1	C
598	598	D.3701	Valve, Delivery	1	1	1	C
603	603	D.5138	Valve, Inlet	1	1	1	C
602	602	D.3693	Valve, Transfer	1	1	1	C
604	604	D.3663	Washer, Plain, for Screw Securing - Crankcase Halves	5	5	5	C
			Cylinder Head	5	5	5	

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1	2	3	4	5	6	7	8
Ident No.	R.I.F. Ref. No.	Part No.	Nomenclature	SH 6/5B	SH 6/5A1	SH 6/2A- AUS	C ₁ _{as}
			1 2 3 4 5 6				
606	37G/606	D.3697	Washer, Seating for Transfer Valve Guide	1	1	1	C
H128F/31375		1210A	Washer, Shakeproof for Elbow Fixing Screw	1	1		C
I1/9676	30F/1313		Wire, Lead Joint 25 S.W.G. - 8-in. long.	AR	AR	AR	C
I1/9718	30A/2343		Wire, Locking 22 S.W.G.	AR	AR	AR	C
			<u>TRANSPORTATION PARTS.</u>				
H28/9801		AGS.504-B	Cap, Protecting	1	1	1	C
640	640	D.5333	Cap, Protecting, Suction Filter	1	1	1	C
641	641	D.4404	Cap, Dummy, Distance Piece	1	1	1	C
642	642	D.5332	Cover, Protecting Flange	1	1	1	C
			<u>AIR FILTERS FOR TROPICAL USE.</u>				
612	612	D.5132	Clip, Group			1	C
		D.5134	Clip, Lower			1	
		D.5133	Clip, Upper			1	
613	613	C.3265	Element, Filter Group			1	C

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1 Ident No.	2 R.A.F. Ref. No.	3 Part No.	4 Nomenclature	5 SH 6/5B	6 SH 6/5A1	7 SH 6/2A- AUS	8 C ₁ _a _s
		D.5128	Ferrule			1	
		D.5124	Frame			1	
		D.5125	Gauge, Outer			1	
		D.5126	Pad, Inner			1	
		D.5127	Pad, Outer			1	
		D.5129	Separator, Pad			1	
614	614	D.4530	Joint, Air Inlet Filter			1	C
615	615	D.5130	Spring Retaining, Group			1	C
		-	Spring			1	
		D.5131	Tab.			1	
500014		D.6693	Filter Assembly Type S.F.2A			1	C
		D.5058	Body	1		1	C
500017		D.5350	Cover	1		1	C
500015		D.5064	Element	1		1	C
500019		D.5335	Hose and Clips	1		1	C
500016		D.5063	Ring, Retaining	1		1	C

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GROUP "N" : SECTION 37G

AIR COMPRESSOR

1	2	3	4	5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	No. off	Cl.	Mat. Spec.
			12 3 4 5 6			
			(HYMATIC COMPRESSOR FLIGHT SERVICING KIT NO.2.)			
966	966	B2718/F14	PILOT FOR LEAD SEAL WIRE	1	A	M.S.
969	969	B2718/F12	SPANNER "C" FOR LOCKING RING	1	A	M.S.
			<u>HYMATIC COMPRESSOR REPAIR BASE KIT</u>			
973	973	B2718/F26	BAR TORQUE	1	A	STL.
950	950	B2718/F9	CLAMP, PISTON GROUP	1	A	
			Consisting of:-			
		B2718/F9/10	Bar Torque	1		M.S.
		B2718/F9/7	Bolt Eye	1		M.S.
		B2718/F9/1	Clamp, long	1		M.S.
		B2718/F9/2	Clamp, short	1		M.S.
		B2718/F9/11	Jaw for clamp	2		Leather
		B2718/F9/4	Pin, Pivot for clamps	2		STL.
		B2718/F9/8	Pin Pivot for eye bolt	1		M.S.
		B2718/F9/6	Pin, split retaining Pivot Ring	4		M.S.
		B2718/F9/3	Plate Pivot	1		M.S.

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GROUP "N" : SECTION 37G

AIR COMPRESSOR

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1	2	3	4	5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	No. off	Cl.	Mat. Spec.
			1 2 3 4 5 6 7			
			Contd.			
		B2718/F9/13	Plate Stop	1		M.S.
		B2718/F9/12	Rivet Securing Jaws	4		Alum
		B2718/F9/14	Screw Securing Stop Plate	2		M.S.
		B2718/F9/9	Sleeve Locking Clamps	1		M.S.
		B2718/F9/5	Washer plain for Pivot Pins	1		M.S.
951	951	B2718/F5	CRANK CASE DUMMY - for checking piston clearance	1	A	
		B2718/F5/1	Consisting:- Crank Case	1		
		B2718/F5/4	Pin Dowel	2		
		B2718/F5/2	Protractor	1		
		B2718/F5/3	Screw	2		

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AIP COMPRESSORS

1	2	3	4	5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	No. off	Cl.	Mat. Spec.
953	37G/953	B2718/F10	1 2 3 4 5 6 FIXTURE, BENCH GROUP, for Assembly of Compressor Consisting of:	1	A	
		B2718/F10/5	Bar Tommy	2		Steel
		B2718/F10/9	Bolt, 3/8in. B.S.F. x 1/2in. long	2		Steel
		B2718/F10/3	Bracket, Angle	1		M.S.
		B2718/F10/10	Nut, Plain, 3/8 B.S.F.	2		Steel
		B2718/F10/4	Pin, Locating	2		M.S.
		B2718/F10/7	Pin, Locking	2		Steel
		B2718/F10/2	Pin, Adaptor	1		M.S.
		B2718/F10/1	Plate, Support	1		M.S.
		B2718/F10/8	Screw, Hex. Head 1/4in. B.S.F. x 8-in. long	4		Steel
		B2718/F10/6	Stop	2		Brass
954	954	B2718/F22	GAUGE GROUP, for Measuring Valve Lift Consisting of:-	1	A	
		B2718/F22/1	Body	1		
		B2718/F22/2	Lever	1		C.H.M.S.
		B2718/F22/10	Pin	1		Steel
		B2718/F22/8	Pin, Dowel	4		Steel
		B2718/F22/6	Pin, Locating	1		Steel

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AIR COMPRESSORS

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1	2	3	4	5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	No. off	Cl.	Mat. Spec.
			1 2 3 4 5 6			
			Contd.			
		B2718/F22/7	Pin Pivot	1		STL.
		B2718/F22/5	Screw	1		M.S.
		B2718/F22/9	Screw Cap Head	2		M.S.
		B2718/F22/4	Slide	1		C.H.M.S.
		B2718/F22/3	Strip Gib	2		C.H.M.S.
955	37G/955	B2718/F19	GUIDE for assembling Piston	1	A	M.S.
957	957	B2718/F13	HANDLE CRANK GROUP	1	A	
			Consisting of:-			
		B2718/F13/1	Handle	1		M.S.
		B2718/F13/2	Shaft splined	1		STL.

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AIR COMPRESSORS

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1	2	3	4	5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	No. off	Cl.	Mat. Spec.
959	37G/959	B2718/F1	1 2 3 4 5 6 JIG GROUP for assembling Gudgeon Pin Connecting Rod and Piston Consisting of:-	1	A	
		B2718/F1/1	Body	1		Cast Iron
		B2718/F1/8	Bush	1		C.H.M.S.
		B2718/F1/9	Bush	1		C.H.M.S.
		B2718/F1/10	Bush	1		C.H.M.S.
		B2718/F1/2	Cap	1		Cast Iron
		B2718/F1/11	Handle	1		M.S.
		B2718/F1/15	Pad Serrated	1		Brass
		B2718/F1/6	Peg Locating	1		C.H.M.S.
		B2718/F1/7	Peg Locating	1		C.H.M.S.
		B2718/F1/18	Pin Locating	1		C.H.M.S.
		B2718/F1/12	Plunger Locating	1		M.S.
		B2718/F1/4	Punch	1		C.H.M.S.
		B2718/F1/3	Roller	1		STL.
		B2718/F1/13	Screw	1		M.S.
		B2718/F1/19	Screw 5/16-in. Whit. x 1-in. long	2		M.S.

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GROUP "N" : SECTION 37G.

AIR COMPRESSORS.

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Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	No. off	Cl.	Mat. Spec.
			1 2 3 4 5 6 Continued			
		B2718/F1/16	Screw Grub 3/8in. Whit. x 5/8in. long	1		M.S.
		B2718/F1/17	Screw Grub 2 B.A. x 1/4in. long	1		M.S.
		B2718/F1/14	Spring	1		SPG. STL.
		B2718/F1/5	Stop Adjustable	1		M.S.
962	37G/962	B2718/F7	JIG GROUP, for extracting gudgeon pin	1	A	
			Consisting of:-			
		B2718/F7/2	Jaw Bottom	1		Cast Iron
		B2718/F7/1	Jaw Top	1		Cast Iron
		B2718/F7/3	Peg Locating	1		C.H.M.S.
		B2718/F7/4	Peg Locating	1		C.H.M.S.

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GROUP "N" : SECTION 37G.

AIR COMPRESSORS

1	2	3	4	5	6	7
Ident No.	R.A.F. Ref. No.	Part No.	Nomenclature	No. off	Cl.	Mat. Spec.
			1 2 3 4 5 6			
964	37G/964	B2718/F8	JIG, TEST GROUP, for gudgeon pin seal	1	A	
		B2718/F8/4	Consisting of:- Clamp	1		M.S.
		B2718/F8/6	Pin Dowel	1		M.S.
		B2718/F8/5	Plate	1		M.S.
		B2718/F8/3	Screw Clamp	1		M.S.
		B2718/F8/7	Screw 1/4-in. B.S.F.	2		STL
		B2718/F8/1	Socket	1		M.S.
		B2718/F8/2	Stirrup	1		M.S.
		B2718/F8/8	Washer	1		Rubber
966	966	B2718/F14	PILOT for lead seal wire	1	A	M.S.
967	967	B2718/F23	PLATE BLANKING, for Cylinder	1	A	C.H.M.S.
968	968	B2718/F15	SPANNER, BOX, with tommy bar for connecting rods	1	A	STL
969	969	B2718/F12	SPANNER "C" for lock ring	2	A	M.S.
970	970	B2718/F11	SPANNER SOCKET, with tommy bar	2	A	

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AIR COMPRESSORS

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971	G37/971	B2718/F16	TOOL GROUP for grinding delivery valve	1	A	
			Consisting of:-			
		B2718/F16/1	Slide	1		M.S.
		B2718/F16/2	Holder Valve	1		ST.STL.
972	972	B2718/F21	TOOL for grinding transfer valve	1	A	C.H.M.S.
993	993	B2948/F2	CUTTER GROUP valve seat, drain valve body	1	A	
			Consisting of:-			
		B2948/F2/1	Cutter	1		STL.
		B2948/F2/5	Guide Shank			STL.
		B2948/F2/3	Handle	1		ST.STL.
		B2948/F2/4	Screw Grub	1		STL
		B2938/F2/2	Shank	1		ST.STL.

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AIR COMPRESSORS

1	2	3	4	5	6	7
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			1 2 3 4 5 6			
983	37G/983	B2807/F2	JIG ASSEMBLING GROUP	1	A	
			Consisting of:-			
		B2807/F2/1	Base Block	1		M.S.
		B2807/F2/5	Handle lock nut	2		M.S.
		B2807/F2/6	Nut, Hex.	1		M.S.
		B2807/F2/4	Nut lock	1		M.S.
		B2807/F2/7	Pin, Stop	1		M.S.
		B2807/F2/2	Plate Clamp	1		M.S.
		B2807/F2/8	Spring	1		SPG.STL.
		B2807/F2/3	Stud Centre	1		M.S.
984	984	B2807/F10/1	PILOT LEAD wire seal	1	A	M.S.
994	994	B2948/F1	SPANNER GROUP drain valve body	1	A	
			Consisting of:-			
		B2948/F1/2	Bar Tommy	2		M.S.
		B2948/F1/1	Body	1		M.S.
		2948/F1/3	Pegs	3		ST.STL.

Inserted by A.L.6.

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