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HOOD OPERATING JACK DOWTY AEROSPACE HYDRAULICS Part No 08417YA04 and 08417YA03

GENERAL AND TECHNICAL INFORMATION (-1) PARTS CATALOGUE AND RELATED INFORMATION (-3)

BY COMMAND OF THE DEFENCE COUNCIL

Ministry of Defence

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AP100B-01, Order 0504 (RAF)

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GENERAL

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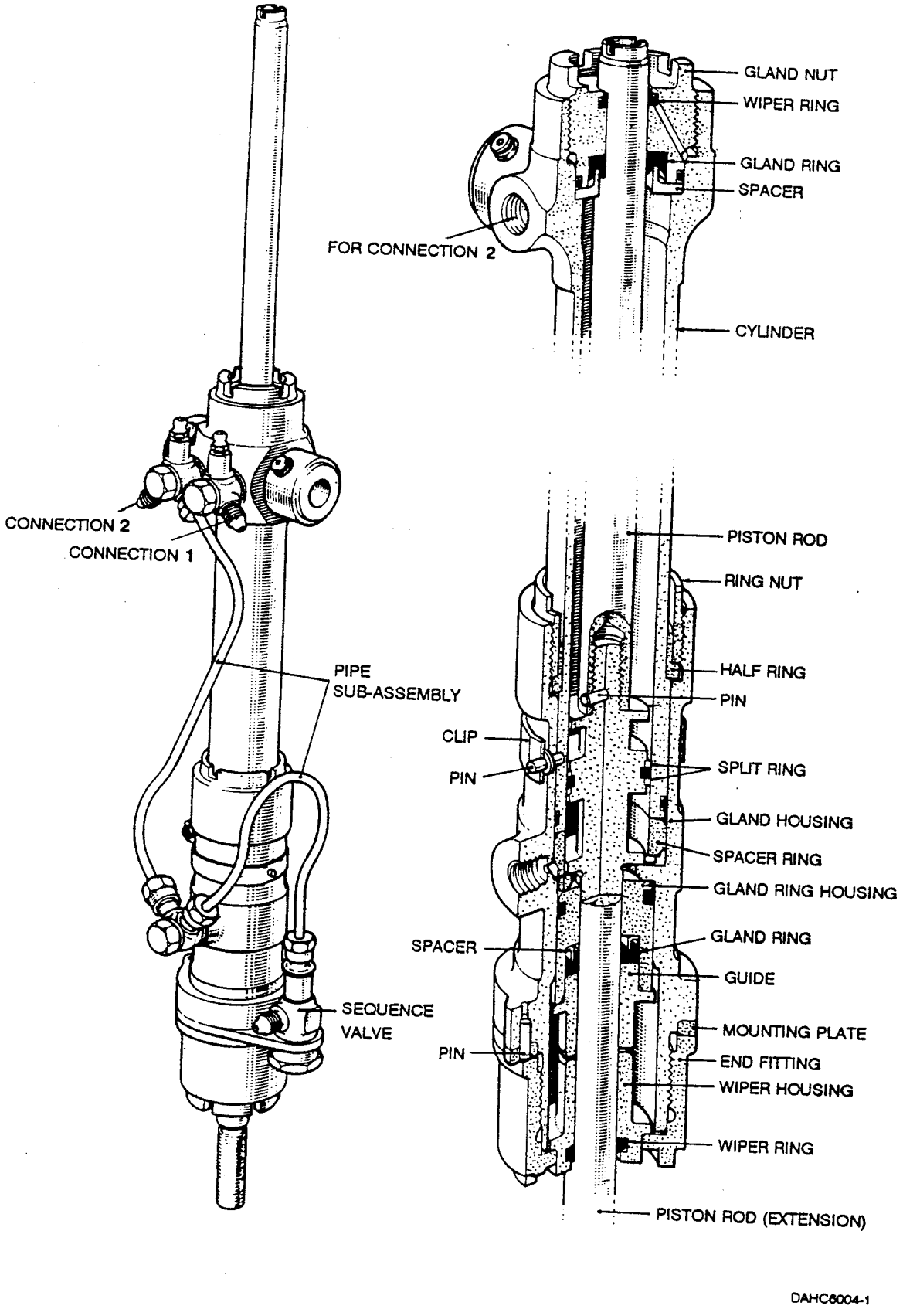

Fig 1 Hood operating jack

Leading particulars

1 Refer to the appropriate annex for the leading particulars.

Modification state

2 Refer to the appropriate annex for the relevant modification state.

Introduction

3 The hood operating jack is a trunnion mounted jack and fitted to it is a sequence valve which is mechanically operated when the jack is fully closed to pass fluid to an associated hood lock jack. A basic unit is described in the general text and variants are described in the annexes.

Constructional description (Fig 1)

4 The cylinder is formed at one end with two trunnion bosses, each of which is provided with a lubrication nipple and fitted with a bush for attachment purposes. Between the bosses are two tappings, one connecting directly with the cylinder bore and the other being blind. At this end, the cylinder is internally threaded to receive a gland assembly for sealing and supporting the piston rod. The gland assembly consists of a gland nut fitted with an O-ring, wiper ring, gland ring and spacer and is screwed into the cylinder against an internal shoulder.

5 Over the other end of the cylinder, which is fitted with an O-ring, a gland housing is secured against an external shoulder on the cylinder by two half rings and a ring nut. The cylinder and gland housing are locked together by a pin, clip and nut and bolt assembly. An internal shoulder in the gland housing clamps a spacer ring against the cylinder end and also provides a travel stop for the piston. A boss on the gland housing, for a connection, is tapped and drilled to communicate, through slots in the spacer ring, with the cylinder bore. A mounting plate for the sequence valve is located by a pin and secured by an end fitting screwed over the gland housing. The end fitting also retains a gland ring housing fitted with a sealing ring, a spacer and a gland ring, a guide and a wiper housing fitted with a wiper ring in the bore of the gland housing to seal and support the piston rod extension.

6 The piston head, which is integral with the piston rod extension, is fitted with a sealing ring and two supporting split rings and is screwed and pinned to the piston rod. The outer end of the piston rod extension is threaded for the attachment of fittings, supplied by the aircraft manufacturer.

7 Connection 1 consists of a single banjo fitting secured between bonded seals by a banjo bolt screwed into the trunnion boss tapping which is drilled through to the cylinder bore. Connection 2 consists of a banjo fitting similarly secured to the adjacent blind tapping. A transfer connection consists of a right angled banjo secured between bonded seals by a banjo bolt screwed into the tapping in the gland housing. A pipe sub-assembly is connected to connection 2 and the transfer connection and a second pipe sub-assembly is connected to the transfer connection and the inlet connection of the sequence valve.

Functional description (Fig 1)

8 Application of hydraulic pressure at connection 1 retracts the piston rod, the piston rod extension extends and displaced fluid is passed to return through connection 2. Transferring the pressure and return lines to connections 2 and 1 respectively causes the piston rod and piston rod extension movement to be reversed.

MAINTENANCE

Special tools and equipment

9 The following special tools, equipment and materials are required to carry out the maintenance procedures detailed.

Part No	Description	Application
ST1181	C-key spanner	Dismantling/Assembling
ST1214	Vice clamp	Dismantling/Assembling
ST1214-6	Collet	Dismantling/Assembling
ST1337	C-key spanner	Dismantling/Assembling
ST2379	Drift	Assembling
ST2404	Assembly post	Assembling
ST2689	Sleeve	Assembling
ST2690	Special key spanner	Dismantling/Assembling
ST2765	Extractor	Dismantling
460001106	Assembly post	Assembling
-	Trichloroethane (TS367D)	Cleaning
-	White spirit (BS245)	Cleaning
-	Oil OM15 (DTD585)	Assembling
-	Grease XG315 (DEF STAN 91-56)	Assembling
-	Corrosion preventative PX1	Preservation
-	Jointing compound JC5A	Assembling
-	Locking wire (DTD189A)	Locking parts

Safety and maintenance notes

10 Safety and maintenance notes or other general safety/maintenance requirements appropriate to the equipment, or to the main equipment, must be complied with where relevant throughout the work detailed in this publication.

BAY MAINTENANCE

Dismantling (Fig 1)

11 Discard all forms of sealing rings on removal from the unit.

11.1 Remove the two pipe sub-assemblies.

11.2 Remove the banjo bolts for connections 1 and 2 and the transfer connection and remove the banjo, banjo fittings and bonded seals. Remove the bleed screws.

11.3 Remove the sequence valve from the mounting plate.

11.4 Using C-key spanner ST1337, unscrew the gland nut from the cylinder, slide the gland nut from the piston rod and remove the gland ring, wiper ring and O-ring.

11.5 Withdraw the piston assembly, together with the spacer, from the cylinder and slide the spacer from the piston rod.

11.6 Remove the two split rings and the sealing ring from the piston head.

11.7 If necessary for renewal purposes, deburr the locking indents on the ends of the pin locking the two piston rods together and extract the pin. Secure one piston rod in the vice clamp ST1214 and collet ST1214-6 and unscrew one piston rod from the other.

11.8 Unscrew the end fitting using C-key spanner ST1181 and remove the pin and sequence valve mounting plate from the gland housing.

11.9 Remove the clip and nut and bolt assembly and remove the locking pin.

11.10 Using special key spanner ST2690, unscrew the ring nut from the gland housing and remove the gland housing, the half rings, the ring nut and the O-ring from the cylinder.

11.11 Remove the spacer ring from one end of the gland housing and the wiper housing, guide and gland ring housing from the other end.

11.12 Remove the wiper ring from its housing and the sealing ring, gland ring and spacer from the gland ring housing.

11.13 Remove the lubrication nipples from the cylinder and, if necessary for renewal, use the extractor ST2765 to remove the bushes from the cylinder.

Cleaning

WARNING

CLEANING AGENT SHOULD BE USED IN A WELL VENTILATED AREA, AWAY FROM NAKED FLAMES. CARE SHOULD BE TAKEN NOT TO BREATHE THE FUMES OR ALLOW UNDUE CONTACT WITH THE SKIN.

CAUTION

Chlorinated solvents can combine with minute amounts of water found in operating hydraulic systems to form hydrochloric acid which will corrode internal metallic surfaces. It is imperative that all internal surfaces are dry and free from any traces of residual solvent prior to assembly and installation. For those applications where it is difficult to remove all traces of solvent, clean unused white spirit is recommended.

12 To enable all items to be visually examined for damage and wear, each part must be thoroughly cleaned using the appropriate cleaning agents and methods. When cleaning is completed, parts must be dried using compressed air; clean, lint-free cloth or tissues and all subsequent handling must be with clean PVC or polythene gloves. If delays occur before assembly, parts must be suitably protected against corrosion using temporary corrosion preventative PX1.

Examination and checking

13 Visually examine all parts for damage and corrosion. Check parts for permissible wear in accordance with fits and clearances paragraph 15.

Superficial damage

14 Superficial damage in the form of external isolated scores, smooth dents and abrasions free from cracks are to be regarded as negligible provided that internal dimensions are not affected and the damage is within the following limits:

14.1 Not exceeding 0.500 in long.

14.2 Not exceeding 0.010 in deep.

14.3 Not less than 0.250 in from any hole or bearing surface.

NOTE

Burrs must be removed and sharp edges blended out. Minor scores and abrasions in non-sealing bores may be ignored provided that proud portions of the abrasion are removed.

Fits and clearances

15 Check that the dimensions are within the specified limits.

TABLE 1 FITS, CLEARANCES AND REPAIR TOLERANCES

Ref No on Fig 2	Parts and Description	Dimension New	Permissible Worn Dimension		Permissible Clearance		Remarks
			Interchangeable Assembly	Selective Assembly	New	Worn	
1	PISTON ROD IN GLAND NUT						
	Gland nut i/d	0.62575 / 0.62450	0.62775	0.62775	0.00375 / 0.00050	0.00575	
	Piston rod o/d	0.62400 / 0.62200	-	-			
2	CYLINDER						
	Cylinder i/d	1.005 / 1.000	1.008	1.008	-	-	
3	GLAND HOUSING						
	Gland housing i/d	1.2510 / 1.2495	1.2580	1.2580	-	-	
4	PISTON ROD EXTENSION IN GUIDE, ETC						
	Guide, wiper housing and gland ring housing i/d	0.62575 / 0.62450	0.62775	0.62775	0.00375 / 0.00050	0.00575	
	Piston rod extension o/d	0.62400 / 0.62200	-	-			

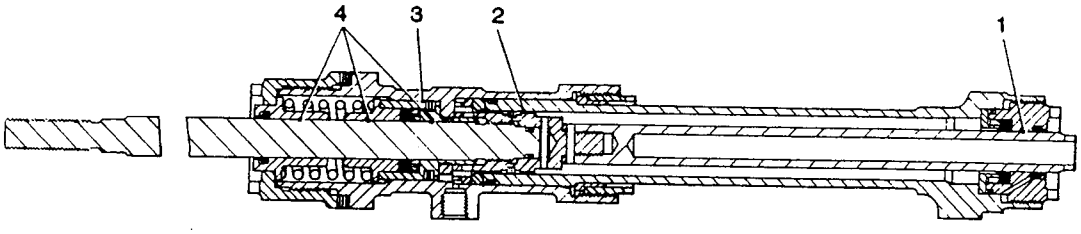

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Fig 2 Fits and clearances

Assembling (Fig 1)

16 Lightly lubricate all forms of sealing rings and threaded parts with clean oil OM15 prior to assembling.

16.1 If new bushes are being fitted to the cylinder, smear the outside diameters with jointing compound JC5A and assemble them using drift ST2379.

16.2 Assemble the O-ring on the cylinder and position the spacer ring, slotted end leading, in the bore of the gland housing.

16.3 Position the ring nut and half rings on the cylinder, slide the gland housing over the cylinder and secure it tightly against the spacer ring by screwing in the ring nut against the half rings using special key spanner ST2690. The connection tapping in the gland housing must be aligned midway between the two connection tappings in the cylinder.

16.4 Fit the locking pin in the gland housing and cylinder and secure it with the clip and nut and bolt assembly.

16.5 If the piston rods have been separated, secure one in vice clamp ST1214 and collet ST1214-6 screw them together tightly. Fit the locking pin and punch each end of the pin in two places to secure.

16.6 Assemble the sealing ring and split rings to the piston head. If new split rings are fitted, they are to be gapped, on assembly, to between 0.009 and 0.012 in and sharp edges at the gap, on the flat faces only, removed to a maximum radius of 1/64 in.

16.7 Insert the piston assembly, externally threaded piston rod leading, into the cylinder and through the bore of the internal shoulder of the gland housing using sleeve ST2689.

16.8 Assemble the O-ring, wiper ring, gland ring and spacer to the gland nut. Using assembly post ST2404, slide the assembly over the piston rod and screw it tightly into the cylinder using C-key spanner ST1337.

16.9 Assemble the sealing ring, spacer, gland ring and guide to the gland ring housing. Smear a small amount of grease XG315 to the outside diameter of the gland ring housing. Using assembly post 460001106, slide the assembly over the piston rod extension and seat it against the internal shoulder in the gland housing.

16.10 Assemble the wiper ring to the wiper housing and slide it over the piston rod extension and against the guide.

16.11 Locate the pin and sequence valve mounting plate to the gland housing and screw the end fitting tightly over the gland housing against the plate and the wiper housing using C-key spanner ST1181.

16.12 Fit the fully tested sequence valve to the mounting plate.

16.13 Assemble the bonded seals to the banjo and banjo fittings and secure them to their appropriate tappings with the banjo bolts. Screw the bleed screws into the banjo fittings.

16.14 Connect the two pipe sub-assemblies to the appropriate connections. Screw the lubrication nipples into the trunnion bosses.

16.15 After satisfactory testing, wirelock the following items:

16.15.1 The end fitting to the gland housing.

16.15.2 The sequence valve securing nut to the union nut at the sequence valve connection.

16.15.3 The union nuts of the pipe sub-assemblies to the respective banjo bolts.

16.15.4 The ring nut to the gland housing.

16.15.5 The banjo bolt of connection 2 to the gland nut.

16.15.6 The bleed screws of connections 1 and 2 to the respective banjo bolts. The bleed screws should be locked after installation of the jack in the aircraft.

TESTING

Special tools and test equipment

17 The following special tools and test equipment are required to carry out the test procedures detailed.

Part No	Description	Application
-	Static hydraulic test rig (with power pump capable of delivering 3.45 gal/min)	Apply hydraulic pressure

Testing the unit (Fig 1)

18 The pipes between the test rig and the test unit must be 3/8 in outside diameter for metal pipes and 3/8 in nominal for flexible hose. Ensure the unit is hydraulically full and bled free of air. Using the equipment specified in paragraph 17, carry out the following test procedure:

18.1 Connect the pressure supply line from the static test rig to connection 1 and, with the jack completely closed, raise the pressure slowly from zero to 300 lbf/in^2, then increase it gradually to 4950 lbf/in^2. Leakage must not occur. Release the pressure and disconnect the supply line.

18.2 Connect the supply line to connection 2 and, with the jack fully extended, proceed as in operation 18.1.

18.3 Connect a supply line and a branch supply line from the power test rig to connections 1 and 2. Operate the pump and simultaneously apply pressure, alternating from zero to 3300 lbf/in^2 at both connections. Repeat this for 200 cycles. Release the pressure and disconnect the supply lines.

18.4 Repeat the tests in operations 18.1 and 18.2.

18.5 Connect the two supply lines from the power test rig to connections 1 and 2, operate the jack from completely closed to fully extended, then operate it fully in the opposite direction. The pressure required to operate the jack and actuating time for full travel, in either direction, must not exceed 140 lbf/in^2 and 4 seconds respectively.

18.6 Release the pressure and disconnect the supply lines.

Annex A

HOOD OPERATING JACK

DOWTY AEROSPACE HYDRAULICS - CHELTENHAM

Part No 08417YA04

Leading particulars

1 Leading particulars of this unit are as follows:

1.1	System fluid	.. Oil OM15 (DTD585)
1.2	Overall length	22.510 to 22.630 in
1.3	Stroke	6.840 to 6.920 in

Modification state

2 The information in this annex includes all appropriate modifications up to and including issue 15.

Introduction

3 This unit is identical to the type described and illustrated in the general text.

Annex B

HOOD OPERATING JACK

DOWTY AEROSPACE HYDRAULICS - CHELTENHAM

Part No 08417YA03

Leading particulars

1 Leading particulars of this unit are as follows:

1.1	System fluid	.. Oil OM15 (DTD585)
1.2	Overall length	22.510 to 22.630 in
1.3	Stroke	6.840 to 6.920 in

Modification state

2 The information in this annex includes all appropriate modifications up to and including issue 12.

Introduction

3 This unit is similar to the type described and illustrated in the general text but differs as shown in Figure 1 of this annex. A locking ring is fitted between the spacer ring and the cylinder, a separate piston head is screwed and pinned to the piston rod extension which has an O-ring fitted, and a spring, loaded between the guide and the wiper housing. A locking sleeve is fitted in place of the gland ring housing. The spacer ring and the locking sleeve (which replaces the gland ring housing) are dimensionally different.

Maintenance

4 The additional parts and changes in nomenclature affect the maintenance procedures detailed in the main text.

Dismantling

WARNING

SPECIFIC INTERNAL DETAILS OF THIS UNIT ARE SUBJECT TO SPRING PRESSURE AND CARE MUST BE EXERCISED WHEN DISMANTLING.

5 Substitute the following for paragraph 11.7 in the main text:

5.1 If necessary for renewal purposes, deburr the locking indents on the ends of the two pins locking the piston rod, piston head and piston rod extension together and extract the pins. Secure the piston rod in the vice clamp ST1214 and collet ST1214-6 and unscrew the the piston rod extension then the head. Remove the O-ring from the piston rod extension.

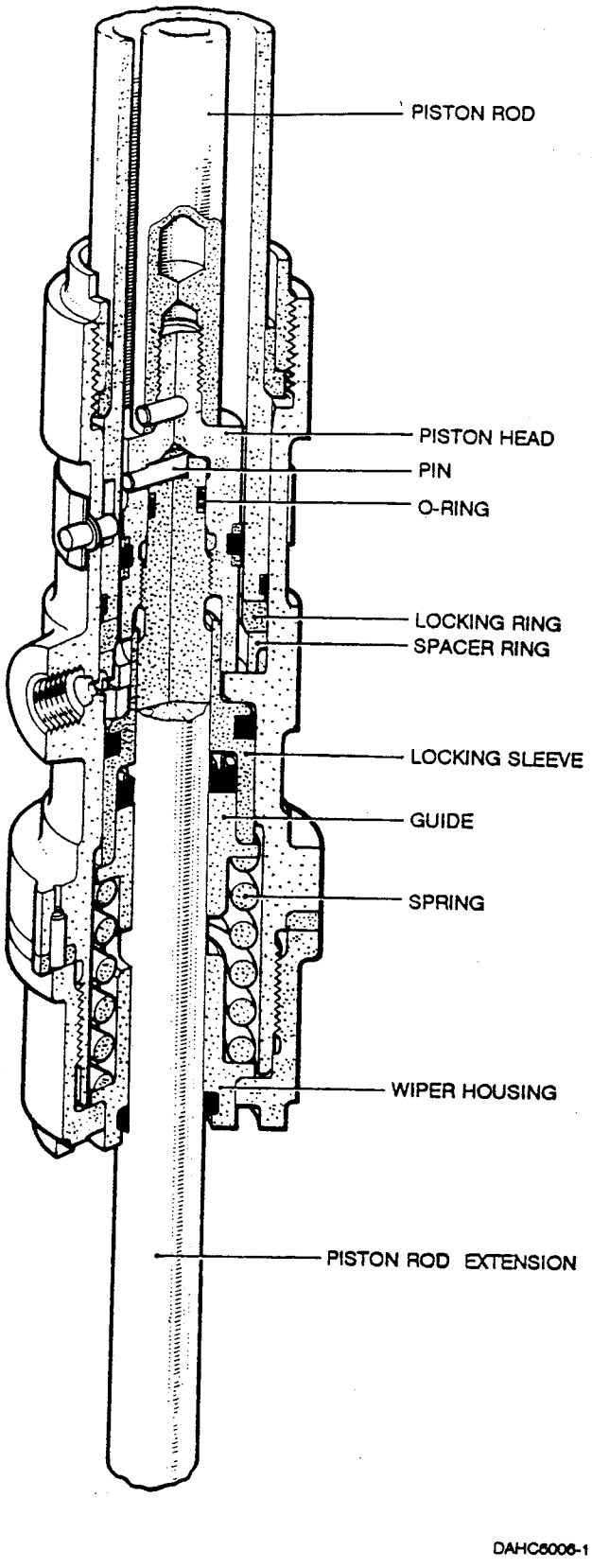

Fig 1 Part assembly of jack

6 When unscrewing the end fitting in paragraph 11.8 of the main text, observe the WARNING at the beginning of this Dismantling procedure.

7 Substitute the following for paragraph 11.11 in the main text:

7.1 Remove the locking ring and spacer ring from one end of the gland housing and the wiper housing, spring, guide and locking sleeve from the other end.

Checking data

8 Spring 500Y678

8.1 Number of working coils: 5

8.2 Wire size: 0.1875 in

8.3 Free length: 1.835 to 1.885 in

8.4 Check length: 1.360 in

8.5 Load at check length: 115 to 135 lbf.

Fits and clearances

9 The fits and clearances dimensions shown in the main text apply to the equivalent locations on this unit, only the nomenclatures differ.

Assembling

10 The following additional special tool will be required for the assembly procedure:

Part No	Description	Application
ST2143	Assembly post	Assembling

11 Substitute the following for paragraph 16.2 in the main text:

11.1 Assemble the O-ring on the cylinder and position the spacer ring, slotted end leading, followed by the locking ring, internal chamfer leading, in the bore of the gland housing.

12 For paragraph 16.5 in the main text, read the following:

12.1 If the piston rod, piston head and piston rod extension have been separated; use the assembly post ST2143 to assemble a new O-ring to the piston rod extension. Secure the piston rod in vice clamp ST1214 and collet ST1214-6, screw in the piston head tightly and fit the locking pin. Screw in the piston rod extension and fit the locking pin. Make sure the piston rod extension can not be unscrewed. Punch each end of both pins in two places to secure.

13 Substitute the following for paragraph 16.9 in the main text:

13.1 Assemble the sealing ring, spacer, gland ring and guide to the locking sleeve. Smear a small amount of grease XG315 to the outside diameter of the locking sleeve. Using assembly post 460001106, slide the assembly over the piston rod extension and seat it against the internal shoulder in the gland housing. Insert the spring.

PARTS CATALOGUE AND RELATED INFORMATION

FOR

HOOD OPERATING JACK

DOWTY AEROSPACE HYDRAULICS - CHELTENHAM

Part No 08417YA04 and 08417YA03

MODIFICATION RECORD

Mod No	AL No	Mod No	AL No	Mod No	AL No	Mod No	AL No	Mod No	AL No	Mod No	AL No
AC4667	*										
AC4925	*										
AC4935	*										

* Incorporated in initial issue of Catalogue
NA Mod not applicable to this Catalogue
C Mod cancelled
AS Amendment Sheet

PARTS CATALOGUE AND RELATED INFORMATION (TOPIC 3)

MEMORANDUM OF INSTRUCTIONS

Demands

1 Requirements for demands are:

1.1 The demand must quote the appropriate Reference Number for each item. Unreferenced parts are not normally provisioned as spares and demands for such items must quote the maker's Part Number and the name and type of the equipment. The location of each part within the equipment should be clearly indicated.

1.2 Demands are to be prepared in accordance with the procedure laid down in AP 830 Volume 1 or BR4.

Local manufacture

2 Parts annotated 'LM' are to be manufactured from local resources. If the manufacture of such items is beyond the capacity of the Unit, the demand is to be endorsed 'Unable to manufacture locally'.

Major repair

3 'MR' indicates that an item is required for major repair purposes only and will not normally be held in store by Units other than those authorised to undertake major repair of the equipment.

Units per assembly

4 The number quoted is the quantity required per next higher assembly in the position shown except 'attaching parts' which quote the quantity required to attach one item. The letters 'AR' in the 'Units per Assy' column indicate that the quantity is 'as required'. Where applicable the quantity normally fitted is shown as a nominal figure, eg (Nom 3). Where an item is listed only for reference purposes the letters 'RF' are quoted.

Classification of equipment

5 The Class of Store is indicated by a single letter as laid down in AP 830 Volume 1 or BR4.

Fitting code (FC)

6 The FC is indicated by one of the following letters and is only quoted against parts which are not directly interchangeable:

V Open up holes on assembly
W Partially assembled
X Ream or machine on assembly
Y Drill or drill and tap on assembly
Z Trim on assembly

Obsolescent stock

7 An asterisk in the 'Part No' column indicates that no further purchases of the item will be made but the part is to be used until stocks are exhausted.

Modifications

8 When items are affected by a modification the 'Mod No' is quoted in the description. Modifications incorporated in the catalogue are listed in the Modification Record.

Manufacturers NATO code

9 The NATO supply code for manufacturers is an alpha-numeric code for non-US based approved manufacturers and a numeric code for US based approved manufacturers. Manufacturers details related to a specific code are contained in the following publications available from DCA, Kentigern House, 65 Brown Street, Glasgow G2 8EX.

99-H4-1 Name to Code
99-H4-2 Code to Name

Usage code

10 The usage code column is normally left blank indicating full applicability of all items. Where a code letter is shown, it indicates that all items with that letter form part of the same assembly or sub-assembly.

INDEX OF PART NUMBERS

Part Number	DMC	Reference Number	Fig/Index	C of S or LM	FC
AGS1131A	28F	4730-99-1034376	1-6		
AGS1174	28F	4730-99-9128952	1-1		
AGS1186A	28F	5330-99-9428452	1-5		
AGS1213A	28F	4730-99-1053723	1-4		
AGS2002B1	10AC	5310-99-1201086	1-27		
AGS596A	28N	5340-99-9128964	1-53		
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C8417Y2			1-52A		
C8417Y21		4320-99-4118455	1-52		
C8417Y22		4320-99-4118463	1-34		
C8417Y27	27Q	4320-99-4118481	1-19		
C8417Y3			1-34A		
C8417Y5	27Q	4320-99-4118456	1-48		
D6000Y76	27Q	4320-99-4118472	1-7		
D6000Y77	27Q	4320-99-4118473	1-3		
D7375YMKB		4820-99-4117706	1-11		
D8417Y17			1-9A		
D8417Y18	27Q	4730-99-4118459	1-8		
D8417Y20			1-9		
D8417Y25			1-50		
SP15B	28W	5310-99-9419474	1-28		
SP21	28N	4730-99-9156370	1-2		
SP584-95	27Q	5330-99-4118229	1-23		
SP818-3	27QA	4320-99-4118231	1-15		
			1-38		
SP832-14	27Q	1650-99-4685695	1-43		
SP835-8	27Q	4320-99-4118480	1-22		
SP880A	27QA	5330-99-1029282	1-54		
SP900-7	27QA	5330-99-9431638	1-46		
SP915A14			1-14		
			1-49		
08417YA03			1		
08417YA04	27QM	4320-99-4118485	1		
08417Y029			1-12A		
08417Y030			1-21A		
08417Y031			1-12		
08417Y032	27Q	4320-99-4118489	1-47		
08417Y033	27Q	4320-99-4118486	1-41		
08417Y035	27Q	5365-99-4118487	1-35		
08417Y037	27Q	5315-99-4118471	1-31		
100020213			1-40		
100020870			1-37		
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200020476			1-30		

INDEX OF PART NUMBERS

Part Number	DMC	Reference Number	Fig/Index	C of S or LM	FC
3300Y2496	27Q	5365-99-4118477	1-36		
3300Y2508	27Q	5365-99-4118478	1-35A		
3411Y21	27Q	5315-99-4118470	1-25		
3740Y6	27Q	5365-99-5118235	1-45		
500Y678	27Q	5360-99-4118484	1-39		
5400135	27Q	4320-99-4118228	1-16		
			1-44		
750060107			1-46A		
8417Y14	27Q	4320-99-4118457	1-24		
8417Y15	27Q	4320-99-4118474	1-26		
8417Y16	27Q	5315-99-4118468	1-20		
8417Y19	27Q	3120-99-4118454	1-51		
8417Y24			1-42		
8417Y26	27Q	4320-99-4118462	1-21		
8417Y28	27Q	5315-99-4118469	1-18		
8417Y6	27Q	5365-99-4118467	1-13		
8417Y7	27Q	5365-99-4118483	1-17		
8417Y8	27Q	5365-99-4118475	1-32		
8417Y9	27Q	5365-99-4118476	1-33		

DETAILED PARTS LIST

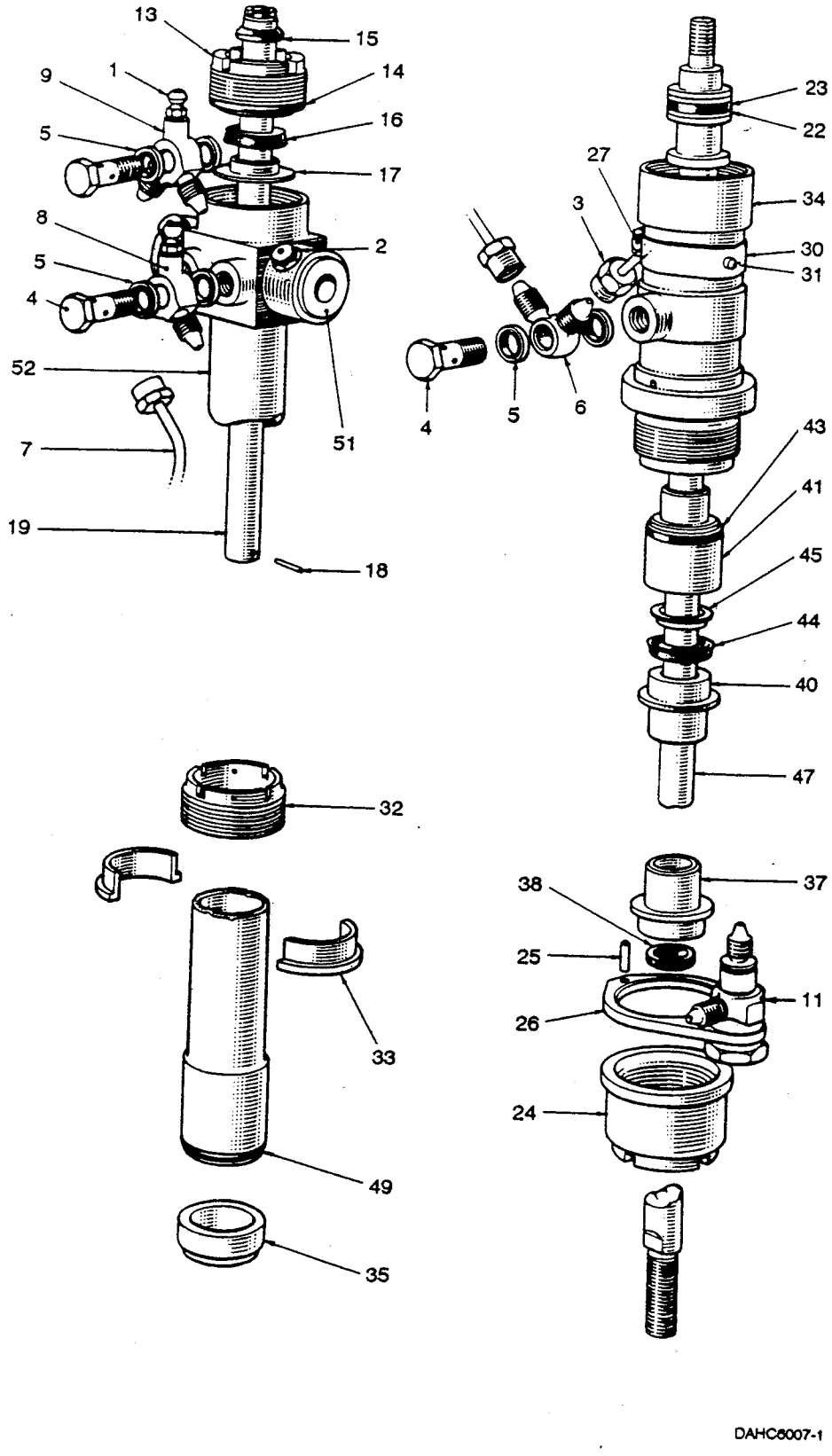

Fig 1 Hood operating jack

HOOD OPERATING JACK

Fig/ Index No	Part No	1 2 3 4 5 6 Nomenclature	Mnfrs NATO Code	Usage Code	Units per Assy
1	08417YA04	Jack, hood operating (Mod AC4925)		A	RF
1+	08417YA03	Jack, hood operating (Mod AC4925)		B	RF
-1	AGS1174	. Screw, bleed			2
-2	SP21	. Nipple, lubrication			2
-3	D6000Y77	. Pipe sub-assembly			1
-4	AGS1213A	. Bolt, banjo			3
-5	AGS1186A	. Seal, bonded			6
-6	AGS1131A	. Banjo			1
-7	D6000Y76	. Pipe sub-assembly			1
-8	D8417Y18	. Fitting, banjo			1
-9	D8417Y20	. Fitting, banjo (Alternative)			1
	or				
-9A+	D8417Y17	. Fitting, banjo			1
-10+	2000Y135	. Transfer			1
-11	D7375YMKB	. Valve, sequence (Refer to AP 105B-05120-13)			1
-12+	08417Y031	. Jack assembly		A	1
-12A+	08417Y029	. Jack assembly		B	1
-13	8417Y6	. . Nut, gland			1
-14	SP915A14	. . O-ring			1
-15	SP818-3	. . Ring, wiper			1
-16	5400135	. . Ring, gland			1
-17	8417Y7	. . Spacer			1
-18	8417Y28	. . Pin			1

+ Item not illustrated

HOOD OPERATING JACK

Fig/ Index No	Part No	1 2 3 4 5 6 Nomenclature	Mnfrs NATO Code	Usage Code	Units per Assy
1-19	C8417Y27	. . Rod, piston			
-20+	8417Y16	. . Pin		B	1
-21+	8417Y26	. . Head, piston		B	1
	or	(Alternative)			
-21A+	08417Y030	. . Head, piston		B	1
-22	SP835-8	. . Ring, split			2
-23	SP584-95	. . Ring, sealing			1
-24	8417Y14	. . Fitting, end			1
-25	3411Y21	. . Pin			1
-26	8417Y15	. . Plate			1
-27	AGS2002B1	. . Stiffnut			1
-28+	SP15B	. . Washer			1
-29+	A25-3B	. . Bolt			1
		(Mod AC4935)			
-30	200020476	. . Clip			1
		(Mod AC4935)			
-31	08417Y037	. . Pin			1
-32	8417Y8	. . Nut, ring			1
-33	8417Y9	. . Ring, half			1 (pr)
-34	C8417Y22	. . Housing, gland			1
	or	(Alternative)			
-34A+	C8417Y3	. . Housing, gland			1
-35	08417Y035	. . Ring, spacer		A	1
-35A+	3300Y2508	. . Ring, spacer		B	1
-36+	3300Y2496	. . Ring, locking		B	1
-37	100020870	. . Housing, wiper			1
		(Mod AC4667)			

+ Item not illustrated

HOOD OPERATING JACK

Fig/ Index No	Part No	1 2 3 4 5 6 Nomenclature	Mnfrs NATO Code	Usage Code	Units per Assy
1-38	SP818-3	. . Ring, wiper			1
-39+	500Y678	. . Spring		B	1
-40	100020213	. . Guide (Mod AC4667)			1
-41	08417Y033	. . Housing, gland ring		A	1
-42+	8417Y24	. . Sleeve, locking		B	1
-43	SP832-14	. . Ring, sealing			1
-44	5400135	. . Ring, gland			1
-45	3740Y6	. . Spacer			1
-46+	SP900-7	. . O-ring		B	1
	or	(Alternative)			
-46A+	750060107	. . O-ring		B	1
-47	08417Y032	. . Rod, piston		A	1
-48+	C8417Y5	. . Extension, piston rod		B	1
-49	SP915A14	. . O-ring			1
-50+	D8417Y25	. . Cylinder sub-assembly			1
-51	8417Y19	. . . Bush			2
-52	C8417Y21	. . . Cylinder			1
	or	(Alternative)			
-52A+	C8417Y2	. . . Cylinder			1
-53+	AGS596A	. Cap, dust (Storage and transit)			3
-54+	SP880A	. Washer, sealing (Storage and transit)			3

+ Item not illustrated