



Formerly AP 4601A Vol 4 Pt 6

AP 105D-1304-5F

Issued JUNE 1974

HUNTER

BAY SERVICING SCHEDULE

LOCKED RELEASE UNIT

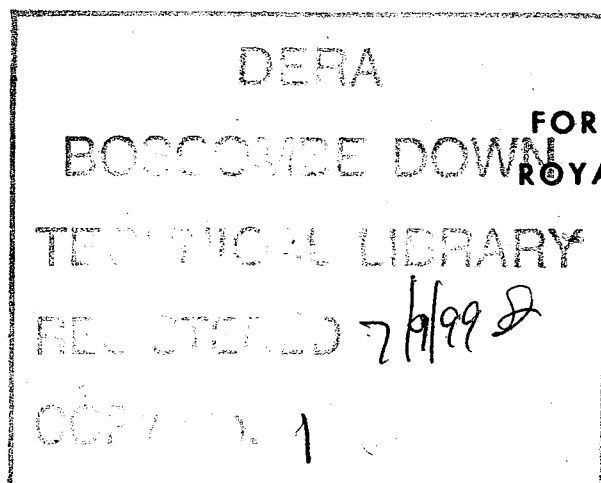
PART NO.CH23521

(FAIREY HYDRAULICS)

BY COMMAND OF THE DEFENCE COUNCIL

Michael Camy

(Ministry of Defence)



FOR USE IN THE  
ROYAL AIR FORCE

AMENDMENT RECORD CERTIFICATE

1. This certificate is for Ministry of Defence (Air) ALs only.
2. Amendments are to be inserted in numerical sequence except where Non-Availability slips for particular A.L.s are issued.

A.L. No	A.L. MONTH AND YEAR OF ISSUE	AMENDMENT INCORPORATED SIGNATURE	DATE OF INCORPORATION
1			
2			
3			
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E0305(1) Issued June 74

P.F.60

ITEM No	ITEM	OPERATION
EO305(2) Issued June 74		

PF7

SERVICING NOTES

1. AP105D-0001-5F is to be complied with throughout the work detailed in this schedule.
2. Clean all components, except bearings, in trichloroethane and dry using compressed air.
3. The bearings in this unit are pre-packed. Care is to be taken during cleaning to ensure they are not contaminated with Oil, OM-15.
4. The pawl profile cannot be checked dimensionally except during testing of release unit when the accuracy of the profile will be revealed.

REF NO.	EQUIPMENT AND TOOLS	QTY
	Kits Tool Airframe Fitter to Scale A2	
	AP830 Vol 3 Pt A	1
1B/4571	Pliers, Circlip.	1
1C/7150	Wrench, Torque 60-360 lbf in.	1
27KF/684	Tool, Spring Compressing Pt No. FHQ 153.	1
27KF/685	Blocks, Vice Pt No. FHQ 154.	1
27KF/686	Tool, Hinge Pin Extracting Pt No. FHQ 155.	1
27KF/687	Tool, Hinge Pin Expanding Pt No. FHQ 156.	1
27KF/691	Ram, Reference Pt No. FHQ 157.	1

SPARES

Refer to AP4515P Vol 3 Pt 1 Sect 2 Chap 1.

	MATERIALS	NATO CODE NO.	
33D/2201949	Trichloroethane.	6810	As required
34B/2241973	Grease, XG-287.	G-354	

SERVICING NOTES

1. AP105D-0001-5F is to be complied with throughout the work detailed in this schedule.
2. Clean all components except pre-packed bearings in oil, OM-15.
3. All components except bearings are to be immersed in oil, OM-15 immediately before assembling.

ITEM No	ITEM	OPERATION
1.	<u>Preparation</u>	
1.1	Servicing Notes.	Read.
2.	<u>Dismantling</u>	
2.1	Release unit.	Support in vice using vice blocks.
2.2	Bearing race circlips.	Remove.
2.3	Bearings.	Remove from body trunnion.
2.4	Locking bolt.	Remove.
2.5	End bearing.	(i) Press into body using spring compressing tool. (ii) Remove circlip. (iii) Remove.
2.6	Spring.	)
2.7	Piston.	) Remove.
2.8	Adapter.	)
2.9	Locking washer.	Remove and discard.
2.10	Hinge pins.	Remove using extracting tool.
2.11	Pawl.	Remove.
2.12	Release unit body.	Remove from vice and vice blocks.
3.	<u>Examination</u>	
3.1	Bearings.	) (i) Clean. (Servicing Note 4 refers).
3.2	End bearing.	) (ii) Examine.
3.3	Bearing race circlips.	)
3.4	Locking bolt.	)
3.5	End bearing circlip.	) (i) Clean.
3.6	Spring.	) (ii) Examine.
3.7	Piston.	)
3.8	Adapter.	)
3.9	Hinge pin.	)
3.10	Pawl.	)
3.11	Release unit body.	)
E0305(5) Issued June 74		Continued overleaf

ITEM No	ITEM	OPERATION
4.	<u>Assembling</u>	
4.1	Release unit body.	Support in vice using vice blocks.
4.2	Adapter.	(i) Fit new locking washer. (ii) Fit.
4.3	Piston.	) Fit.
4.4	End bearing.	
4.5	Piston.	Ensure strokes and rotates freely.
4.6	End bearing.	) Remove.
4.7	Piston.	
4.8	Release unit body.	Pack pawl hinge pin housing with grease, XG-287.
4.9	Pawl.	(i) Coat with grease, XG-287. (ii) Fit.
4.10	Hinge pin.	(i) Coat with grease, XG-287. (ii) Fit. Do not expand.
4.11	Piston.	(i) Coat with grease, XG-287. (ii) Fit, locating pawl hole bevel downwards with head of pawl.
4.12	Spring.	(i) Coat with grease, XG-287. (ii) Fit.
4.13	End bearing.	(i) Coat with grease, XG-287. (ii) Fit using spring compressing tool. (iii) Fit circlip. (iv) Remove spring compressing tool.
4.14	Locking bolt.	(i) Coat with grease, XG-287. (ii) Fit sufficient to retain.
5.	<u>Testing</u>	
5.1	Locking bolt.	Slacken.
5.2	Reference ram.	Fit to release unit.
5.3	Locking bolt.	(i) Tighten, ensuring pawl engaged in ram notch. (ii) Torque load to 60 lbf in.
5.4	Release unit.	Check dimensions 'X' and 'Y' are within limits. (Fig 1 refers).
5.5	Locking bolt.	Slacken.
5.6	Release ram.	Remove.
5.7	Locking bolt.	Tighten sufficient to retain.
EO305(5A)		Continued



ITEM No	ITEM	OPERATION
6.	<u>Completion</u>	
6.1	Adapter.	Lock by peening locking washer into slots in adapter and release unit body.
6.2	Hinge pin.	Expand ends to minimum diameter of 0.42in. using expanding tool and finish ends flush with unit body.
6.3	Bearings.	) Fit.
6.4	Bearing race circlips.)	
6.5	Pawl.	Coat exposed portion with grease, XG-287.
6.6	Release unit lower bores.	Coat with grease, XG-287.
6.7	Release unit.	Remove from vice and vice blocks.
6.8	Servicing forms.	Sign.
<div> <div>EO305(6) Issued June 74</div> <div>Continued</div> </div>		

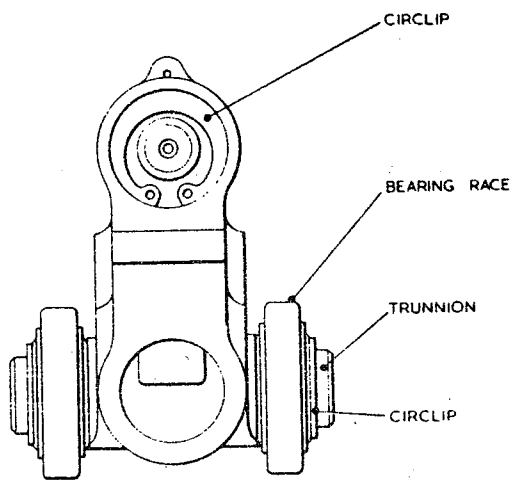
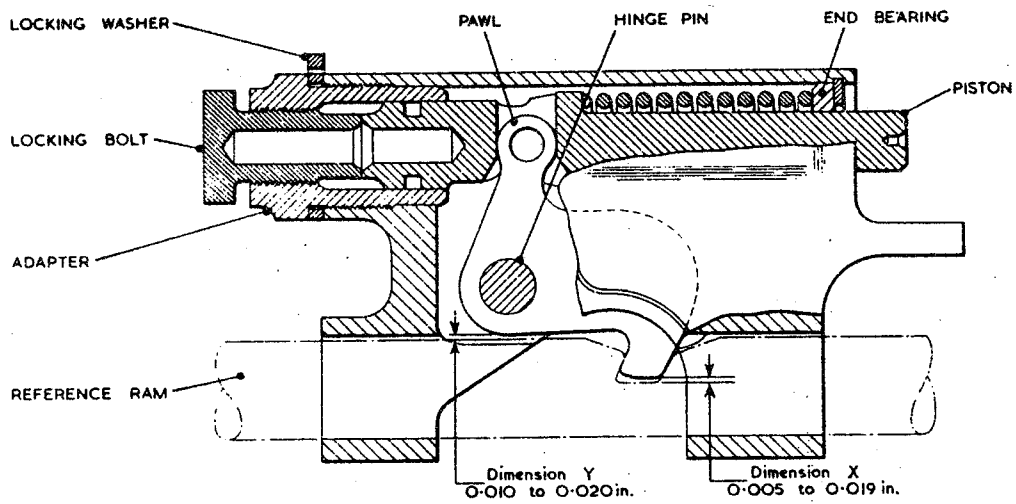


FIG 1



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