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ADMIRALTY FLEET ORDER

BRISTOL AERO ENGINES ESTABLISHMENT
OF TOOLS

Admiralty, S.W.1, 27th May, 1943.

The following Order having been approved by My Lords Commissioners of the Admiralty is hereby promulgated for information and guidance and necessary action.

By Command of their Lordships,

It. V. markham

Distribution Limited

To Commanders-in-Chief, Flag Officers, Senior Naval Officers, Captains and Commanding Officers of H.M. Ships and Vessels carrying Aircraft, Superintendents or Officers in Charge of H.M. Naval Establishments, and Admiralty Overseers concerned.

Note:—The scale of distribution is shown in the Admiralty Fleet Order Volume, 1941, Instructions, paragraph 10.

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2461.—Bristol Aero Engines—Establishment of Tools

(N.S./A.M.R. 322/43.—27.5.1943.)

The issue of engine tool kits for maintenance and repair of Pegasus III, VI, 30, Mercury 30 and Taurus II and XII engines fitted to naval aircraft has been discontinued. In future all tools are to be demanded as individual items and will be allowed to each service as detailed in the appendices to this order. Supply will be made to new services in accordance with these allowances.

- 2. All services concerned are to break down existing kits held into their component parts and to take the items on charge separately. Arrangements should then be made to adjust the range and quantities to conform to these allowances. Tools held surplus to allowances should be returned to the nearest R.N. store depot (at home) or storing yard (abroad) without delay in order that they may be re-issued to other services. In view of the great shortage of these tools Commanding Officers are to ensure that this order is complied with without delay.
- 3. Perseus XII and Mercury VIII tools will continue to be supplied as at present.
 - 4. Accessory and salvage tools will be the subject of a further order.
- 5. The tools allowed will, broadly, limit the work which can be undertaken by these services to the following:-

Daily inspections. (a) Squadrons ... Daily maintenance. Minor inspections. Valve servicing.

- (b) Catapult Ships As for squadrons.
- (c) Aircraft Carriers (Fleet and Light Fleet).

Major inspections.

Minor repairs and replacements which involve minor stripping only.

Shock loading within the limits laid down in A.Ps. 1451D, 1491B and D, 1707A.

Changing of engines. Top overhaul.

- (d) Aircraft Carriers (Escort) As for (c) but on a reduced scale and excluding major inspections.
- (e) Aircraft Carriers (Merchant Air- As for Air Stations, Classes "D" and craft). "E", with the addition of changing engines.
- (f) Naval Air Stations (Classes "A", Major inspections. " B" and " C")

Minor repairs and replacements which involve minor stripping only.

Shock loading within the limits laid down in A.Ps. 1451D, 1491B and D, 1707A.

Changing of engines. Top overhaul.

(g) Naval Air Stations (Classes "D" and " E ").

Daily maintenance. Daily inspections. Minor inspections. Valve servicing.

Minor repairs by replacement with complete assemblies which do not involve removal of engine from airframe.

(h) Repair Yards (Class " A ") ... Complete overhauls and major repairs including salvage of parts to approved schemes.

- (i) Repair Yards (Class " B " ... (i) Those vards specialising in the complete overhaul of Bristol engines
 - as for Repair Yards, Class "A", with a slight reduction of salvage work.
 - (ii) Those not specialising in Bristol overhaul as for Naval Air Station, Class "A".
- (i) H.M.S. "Unicorn" ... As for Repair Yards, Class "A", but on a limited scale.
- (k) Engine Repair Ships ... Those specialising in the complete overhaul of Bristol engines as for Repair Yard, Class "B" (i).
- 6. In general, work undertaken by the above-mentioned services is to come within limitations laid down in Air Publications 1451D, 1491B and D, 1707A and other approved reconditioning schedules.
- 7. To ensure economy, demands for tools are to be limited to immediate requirements.
- 8. The allowances are in no instance to be exceeded, irrespective of whether one or more types of the engines named are installed in the aircraft allotted. Where tools are common, the quantities to be held are not to exceed the allowances shown in either appendix.

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Ref.	Part No.	Description	Das	1 1		aft	ips		ircrai arriei				al Air tions			pair ards	80	Remarks
No.	Part No.	Description	Pegasus VI	Pegasus III and 30	Mercury 30	Squadrons per 6 I.E. Aircraft	Catapult Ships	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	Nemarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
		SECTION 36R																
		Tools for Crankcase																1-1-1
2162	FB.7781/2	Spanner, box, for crankcase nuts and propeller hub bolts.	X	X	X	2	1	2	2	3	5	4	4	4	6	5	4	
0640	FB.21712*\	Protector, for connecting rods and	x	x		9	6	36	27	9	54	45	27	27	90	63	54	
3073 3626	FB.57255 f FB.65972	crankcase. Protector, for connecting rods and	1	x		9	6				54	45	27	27	81	54	45	
		crankcase.		A		1					O'X							
0769	FB.57280/2	Extractor, for crankcase front half and front cover.	X	X	X		1	1	1	1	1	1	1	1	2	2	2	
3122	FB.35227	Remover, for crankcase circlips	x	x	x										3	2	2	-
		Tools for Rear Cover																
5377	FB.22817	Spanner, box, for oil filter cap	x	x	x	2	1	2	2	5	4	4	4	6	5	4	2	
3063 0774	FB.57273 FB.35217	Extractor, for inertia starter jaw	X	X	X		1	1	1	1	1	1	1	1	2	1	1	
8432	FB.40395	Extractor, for gun gear shaft bush Fixture, pressing in for gun gear shaft	X	X	X										1	1	1 1	
0001	FB.51437	bush.								1 3							1	
0821		Jig, reaming (use up stocks of FB.35198) for gun gear shaft bush.	X	X	X										1	1	1	1
0838	FB.35197	Reamer, for gun gear shaft bush	x	x	x	1		1						1 = 3	4	3	3	
8430	FB.40394	Fixture, pressing in, for cross drive bush	X	X	X							12	1 3	1 = 1	1	1	1	(
0816	FB.35203	Jig, reaming, for pressing in, for cross drive bush.	X	X	X		1						-	130	1	1	1	
0832	FB.35204	Reamer, for cross drive bush	x	x	x				1			1 3			4	3	3	

(68	10814	FB.35624	bearing, for crankshaft tail piece	x	X										1	1	1	1	
(68400)	10830	FB.35187	Reamer, for crankshaft tail piece	X	x					-	1 1					4	3	3	
	29572	FB.51739	bearing. Jig, reaming, for crankshaft tail piece				N X							9		-			
	20012	FD.01100	bearing.			X						-			3	1	1	1	
	29590	FB.51737	Reamer, for crankshaft tail piece			x										4	3	3	
			bearing.																
			Tools for Oil Sump				3							/					
	54042	FB.63028	Spanner, box, 4-in. × 16-in. B.S.F., for	x	x	x	3	2	4	4	1	8	6	6	6	12	10	10	
		1 1000020	oil sump nuts.		7	Δ.	0	12	*	- 1	4	0	0	0	0	12	10	10	
	53450	FB.66060	Spanner, box, 1-in. B.S.F., for breather		X			3			-1					3	2	2	
			tube connection.					2								9	1	1	
																. 1			
	10000	ma maria	Tools for Crankshaft														1 2		
	18250	FB.41011/2	Bar, alignment, for crankshaft front and rear.	X	X	X			1							5	4	4	
	10616	FB.35218	Disc Continuing and	N.		-		1	1	1	1	1	1	1	1	0	9	0	
	10650	FB.35176	Pointer, for timing engine	X	X	X		1	1	1	1	1	1	1	1	2 2	2 2	2 2	*
	18210	FB.39936	Expander, Maneton, for crankshaft,	X	X	X				1				4		5	4	4	
			rear.	- 27		*													
	13278	FB.34941	Extractor and insertor, for crankshaft	X	x							-				2	1	1	
		and the same of	oil sleeve.								0 1					1			
	120023	FB.97300	Adaptor for extractor, for crankshaft			X										2	2	2	
	10758	TID angones	inner races.		100					1	1	1	4			0			
	120024	FB.29580* \\ FB.90164	Adaptor for extractor, for use on front end of crankshaft.	X	X	X		1	1	1	1	1	1	1	1	2	2	2	
	13206	FB.34942*	Adaptor for extractor, for use on rear	X	x	x							Same?		1	2	2	2	
	120020	FB.90163	end of crankshaft.	X	X	X	1			Lauri A	100	19	Jan 1	Sec. 1	- 101	40	2	-	
	2186	FB.10245*	Tool, assembling and extracting, for	X	X	X		1	1	1	1	1	1	1	1	2	2	2	
	120019	FB.90165	cam sleeve.	22			1		1 2		93	-			111		-21	0.7	
	13218	FB.34939	Extractor, for inner races of front and	X.	X	X	E 1	131	(E)		131			-	- Simo	2	2	2	
	4022	-	rear crankshaft bearings.			100	1	18.3			4 7					1			
	2191	FB.15010	Spanner, for extractor FB.10245 and FB.90165.	X	X	X		1	-1	1	1	- 1	1	1	1	2	2	2	
	10785	FB.45728	Fixture, assembly, for crankshaft, front	x	x	**	1 =1		13	V-EN			-	0 100		2	2	-2	
	10100	LD.30120	and rear.	Λ	- A	X			3 8		1	-	Ann	112		-	D. 2		
	18244	FB.39900	Jack, for insertion between crankwebs	x	x	105			-	-	1-1	-				1	1	1	
	29394	FB.51163	Jack, for insertion between crankwebs			x						Die Co	11.50	100		1	1	1	
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Ref.	Part No.	Description	EN	IGIN:		rons per Aircraft	Ships	C	irera arrie			Nava Stat			Rej Ya		, sd	Remarks	
4 11			Pegasus V	Pegasus I and 30	Mercury 30	Squadrons 6 I.E. Aircr	Catapult 8	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
20144	FB.97331	Tools for Crankshaft—contd. Piece, distance, for pressing front cover bearing on crankshaft and for use as a slave race.	x	X	x		1	1	1	1	1	1	1	1	2	2	2	FB.37329* can be modified to suit.	
10646 13124	FB.35174 FB.35228	Pliers, for crankshaft oil sleeve circlip Pliers, for bearing retaining rings and crankshaft rear retaining gear	X	x	ž X									10	4 4	3 3	3 3		6
13102 29418 15024 29420	FB.34926 FB.51167 FB.37253 FB.51165	Spanner, for crankpin oil cap Spanner, for crankpin oil cap Spanner, for crankshaft plugs	X	X	X		1							1	4 4 4	3 3 3	3 3 3		0.50
18268 10858	FB.39937 FB.35188/2	Spanner, for crankshaft plugs Spanner, for crankpin oil plug Spanner, for crankshaft locknut (front)	X	X X	XXXX		1		1	1	1	1	1		4 4 3	3 3	3 3		
13104 29580	FB.34930 FB.53399	Spanner for crankshaft rear half nut Micrometer, for checking stretch of crankshaft bolt.	x	X	x	-								1	3 2	3 2	2 2 1		
39979 29422 29442	FB.95863 FB.53355 FB.53356	Tool for assembling crankshaft Spanner, for crankshaft bolt nut Tube, extension, for spanner for crank-	X X	X X X	X X X				-			1		1	2 2 2	1	1		
32078	FB.95069	shaft bolt nut. Sleeve, screwed, for spanner for crank-shaft locknut (front).			x		1				1	1	1	1	.3	3	. 2	For use with FB.35188/2 on	
																		crankshafts in- corporating sha- dow Mod, MS.113 or Bristol Mod. E.871.	

(6	29610	FB.51430	Extractor and Insertor, for crankshaft oil sleeve.			X	1		1 0		1		0 1	1	1	2	1	1	
(63400)	64080	FB.57349	Extractor, for airscrew shaft bush	X	X	X		100								2	1	1	
9	10931	FB.55292	Insertor, for airscrew shaft bush	X	x											2	1	1	
	32266	FB.95061	Insertor, for airscrew shaft bush		19	X		1			-		4.			1	1	1	Existing stocks of
	100																		FB.55292 can be
	1 -														5				used up on en- gines not incor-
			the state of the s												11				porating shadow
													1						porating shadow Mod. S.113 or
								6 3			7.	+							Bristol Mod.
										100	1				11		0 1		E.871, or can be modified to make
							P									1			RB.95061 by re-
											. 3								placing the
			- 1 1 1 TO 10			1					15						-	XIII	screw.
	32262	FB.95062	Adaptor for insertor for airscrew shaft								1					1	1 40	100	S. MD oroni 4
	02202	1 2100002	bush.			X	1			-	1 /					1	1	1	Screw .FB.95061-4 for use with RB.
																		6	95061 on crank-
	100 /			100		0										1	790	100	shafts incorpora-
										1 19									ting shadow Mod.
			*												100				MS.113 or Bristol Mod. E.871.
	5560	FB.14946	Jig, reaming, for insertor for airscrew	x	x	x		-					-			1	1	1	Mod. 19.871.
			shaft bush.			,				9.3									
	29584	FB.51222	Reamer, for insertor for airscrew shaft	X	X	X	-					1 4				3	2	2	
	13213	FB.57265	bush. Cutter, for facing and bedding maneton	x	x	x					1		1 38			3	2	2	
-	10210	1.01200	bolt nut face seating.	A	A	Α.			1		1		1		Trans.	0	2	2	Sect.
	13286	FB.57264	Holder for cutter, for facing and bed-	X	X	X				7	300	M. M.	No.		1015	1	1	1	
	10040	TID FEOR	ding maneton bolt nut face seating.	(E-)		TE.	2	1			1				The same	1			
	13249	FB.57266	Nut, dummy, for facing and bedding maneton bolt nut face seating.	X	X	X	2-1	3			A Y	1		7 100		1	1	1	
	40222	FB.95860	Extractor, for crankpin sleeve	=	х.	x	Est		15 = 1							1	1	1	
	120317	fB.97377	Fixture, for assembling crankpin sleeve	=	X	X		2				2.				î	î	1	Existing stocks of
	120317	TB.97254	Guide, for assembling crankpin sleeve	1	X	X	MA	13			0		7			1	1	1	FB.95861 may be
										1	1		1 30				1		supplied in lieu of
	12 .			100	horas						1 -						1		Pegasus 30 engines only.
120	120055	FB.97298	Gauge, blueing for crankpin shoulder		x	x				1 - 1			VI Fred			1	1	1	gilles only.
00				9	1	-	-	-	1	1	-					-	-	-3-	3
	-			- Principle	-		Company Co		-		-	-			-	_			The second section is a second section of the second section of the second section is a second section of the section

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			167	NGIN	FŠ						ALLO	OWAN	CES					
Ref.	Part No.	Description				per	hips	C	ircra arrie			Nava	al Air			pair	80	Remarks
			Pegasus VI	Pegasus III and 30	Mercury 30	Squadrons per 6 I.E. Aircraft	Catapult Ships	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	_	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
23208	FB.97257	Tools for Crankshaft—contd. Lap, hand, complete for crankpin diameter.		x	x						-				. 2	2	2	
23209 23210	FB.97257/4 FB.97258	Lap (spare insert), for crankpin diameter Lap, hand for crankpin shoulder		x x	x										4 4	3 3	3 3	
13062 29370	FB.34931 FB.51225	Tools for Connecting Rod Drift, for artic rod pins Drift, for artic rod pins	X	x	x										4 4	3 3	3 3	* "
10813 10668 29414	FB.57301 FB.33439 FB.51161	Jig, for drifting out artic rod pins Spanner, box, for artic rod pin bolts Spanner, box, for artic rod pin bolts	X X	X	X X		v.							-	2 6 6	1 5 5	3 3	
13098 18290	FB.34933 FB.40283	Spanner, box, for artic rod pin nuts Tool, compressing for oil retainer springs	X	X	X										6 2	5	3	
54256	FB.10244	Tools for Piston Clip for piston ring	x	x	x	1	1	3	2	2	4	3	3	2	5	4	3	Existing stocks of FB.26417 may be
10644 29400 10709	FB.26487 FB.51160 FB.26474	Pliers, for removing gudgeon pin circlip Pliers, for removing gudgeon pin circlip Plug, for gudgeon pin when assembling	x	x	x	1 1 1	2 2 1	4	3 2	5 2	4 5 4	4 4 3	3 4 3	6 3 2	5 6 5	3 5 4	2 3 3	supplied in lieu.
29939	FB.51169	gudgeon pin circlip. Plug, for gudgeon pin when assembling			x	i	1	,			4	3	3	2	5	4	3	
29941	FB.26475	gudgeon pin circlip. Tube, inserting, for assembling gudgeon pin circlip.	x	x	x	1	1	3	- 2	2	4	3	3	2	5	4	3	

	-	Tools for Cylinders and Valves		100		1	0 01	-1	- 1						-			
63 10547 10550 32004	FB.53235	Compressing tool for inlet valve	x	x	x	1	2	3	2	2	4	3	3 -	2	6	4	3	
₹ 10550	FB.53236	Compressing tool for exhaust valve	x	x	x	1	2 2 1	3	2	2 2	4	3	3	2	6	4	3	
	FB.57285	Pliers, for removing circlip		1	x	1	1		-	17	4	3	3	3	6	4	3	
13008	FB.59757	Spanner, for lug nut	x	x	x	2		4	3	2	4	3	3	3	6			
10544	FB.26416	Spanner, for lug nut	x	x	x	2 2	2	4	2	2	4	3	3	3	6	4	3	
10560	FB.56095	Spanner, for 18 mm, spark plug (short)	x	x	x	6	3	6	6	2 4	10	8	8	6			3	
10564	FB.56096/2	Spanner, for 18 mm, spark plug (long)	x	x	x	6	2 2 3 3	6	6	4	10	8	8	6	12 12	10	8	
10551	FB.50951	Wrench, ratchet for spark plugs	x	x	x	6	3	6	6	4	10	8	8	6		10	8	
5387	FB.37103	Valve, holding tool for removing valve	X	x	x	1	2	3	2	2	4	3	3	2	12	10	8	
	The same of	springs.	1				-	0	~	-	*	0	9	2	0	4	3	
98100	FB.90119	Sunnen torque wrench, for cylinder	x	x	x	1	2	4	3	2	6	5	~				-	
	No. of Parties	nuts.	**	-	-	-	-	2	0	2	0	Ð	5	3	8	6	5	
98086	FB.90121	Ratchet adaptor, for cylinder nuts	x	x	x	1	9	4	3	0	0	2			4		-	
98090	FB.90130	Handle, for spanner for slackening nuts	X	X	X	2	2 2	4	3	2 2	6	5	5	3	8	6	5	
	SECTION .	(use with FB.113323).	-		A	-	4	*	9	2	6	5	5	3	8	6	5	
23040	FB.45830	Indicator, for piston top dead centre	x	x		1	1	3	0	0		0						
18240	FB.40091	Indicator, for piston top dead centre		A	-	1	1 1	3	2	2	4	3	3	2 2	5	4	2	
98096	FB.90132	Spanner, for cylinder nut	x		X	9		4	4	0	4	3	3	2	5	4	2	
10680	FB.26411	Spanner, extended, for cylinder nut	X	X	X	2 2	2 2 2 3	4 4	4 4	2 2	6	5	5	3	10	8	6	
29428	FB.51170	Spanner, extended, for cylinder nut	7	, x	-	0	2	4	4	2	6	5	5	3	10	8	6	
10662	FB.37494	Spanner, box, 2 B.A., for induction pipe	x	-	X	2 3	2	n	0		6	5	5	3	10	8	6	
-	2.2.07101	nuts.	X	X	X	3	3	6	6	6	12	10	10	8	12	12	10	
5523	FB.22440	Tool, for assembling exhaust valve cir-	x	-		0		0	0	0	3.							
	22122110	clip.	A	X		2	1	3	2	2	5	4	4	3	6	6	3	
8354	FB.21161	Tool for assembling inlet valve circlip	20	-		0		- 0	0			- 7		1	100	100	1.5	
10648	FB.21173	Tool for removing circlip from valves	X	X		2 2	1	3	2 2	2 2	5	4	4	3	6	6	3	
29436	FB.53830/2	Compressor, for valve springs	x	X	1	2	1	3	2	2	5	4	4	3	6	6	3	
10686	FB.35179	Drift, for assembling cylinder headlug		X	X	1		3	3		4	3	3		6	4	3	
10000	ED.00110	to rocker bracket.	X	X	X	1	1	3	2	2	4	3	3	2	6	4	3	
13230	FB.35225	Fixture for fitting and scruffing cylinder														-		
10786	FB.35226		X	X	X		1	3 3	2 2	1	9	6	6	2	12	9	6	
5469	FB.48950	Cutter, for inlet and exhaust valve seats	X	X	X		1	3	2	1	9	6	6.	2	12	9	6	
5470	FB.48951	Cutter, truing, for inlet and exhaust	x	X		10 13		6	6		6	6	6		6	6	6	
0210	T D.40331	valve seats.	X	X				6	6		6	6	6		6	6	6	
5471	FB.48952								-01	1 - 1	3			+			1000	
5472	FB.48953	Cutter, flat facing for exhaust valve seat	x	X				6	6		6	6	6		6	6	6	
23213	FB.65983	Cutter for truing valve ports	X	X		1		6	6		6	6	6		6	6	6	
20213	FD.05983	Gauge, plug, for exhaust valve guide bore.	X	x				2	1		3	2	2		4	4	3	
44856	FB.65916			()	100												10	
D	1100010	Gauge, plug, for exhaust valve guide bore.			X				-		3	2	2	-	4	4	3	
He	1	DOIG.	4 1														100	
-						1		0						-				

APPEND	IX I		DI	1510.	14 19.	NGTN	E I	OOLS		nu.								
1100			Test	NGIN	FS						ALLO	WANG	CES					
Ref.	Part No.	Description				per raft	Ships		irera arrie				al Air tions			epair ards	80	Remarks
140,			Pegasus VI	Pegasus III and 30	Mercury 30	Squadrons per 6 I.E. Aircraft	Catapult S	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class	Class D and .E		Class B	Repair Ships	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
7000		Tools for Cylinders and Valves—contd.			130				-		131	-	-	0	11		3	
10799	FB.46242	Gauge, plug, for inlet valve guide bore	X				1	2	1		3	2 2	2 2	3	4	4	3	
44854 10800	FB.65915 FB.35208	Gauge, plug, for inlet valve guide bore Gauge, socket, angle for exhaust valve	X	x	X	1		2	1		3 3	2 2			4	4	3	
10000	T.D.30206	guide seat:	1	X	X	1		4	1	2	9	2	2	9 1	4	3	2	
	FB.113323	Spanner for cylinder nuts	X	X	X	2	2	4	3	2	6	5	5	3	8	6	5	
13237	FB.51580	Gauge, socket angle, for exhaust valve guide seat.	X	X	X			2	1		3	2	2		4	3	2	
13239	FB.51581	Gauge, socket angle, for exhaust valve	x	X	x	1 2		2	1		3	2	2		4	3	2	
10000	2000000	guide seat.	1 18						3		1 10		1 -		110	4		
13241	FB.51582	Gauge, socket angle, for exhaust valve guide seat.	X	X	X		- 1	2	1		3	2	2		4	3	2	
5769	FB.29721	Gauge, socket angle, for inlet valve	X	X	x		3	2	1		3	2	2		4	3	2	
10001	1170 MARKET	guide seat.	1 100			1		3	3	-						0	100	
13231	FB.51577	Gauge, socket angle, for inlet valve guide seat.	X	X	X			2	T		3	2	2		4	3	2	
13233	FB.51578	Gauge, socket angle, for inlet valve	x	X	x	100		2	1		3	2	2		4	3	2	
10005	III) FIFTO	guide seat.							-	1 × -1					6.5	1	7	
13235	FB.51579	Gauge, socket angle, for inlet valve guide seat.	X	X	X	30		2	3	3	3	2	2		4	3	2	
5910	FB.39728	Gauge, seat, for exhaust valve (91° angle)		X	, ,	-0	N. N.	2	1		3	2 2	2		4	3	2	
29823	FB.57366	Gauge, seat, for exhaust valve (91° angle)			X	-		3			3		2		4	3	2	and the second
120307	FB.97397	Gauge, seat, for exhaust valve (91° angle)			X			1 4			3	2	2		4	3	2	For engines fitted with salvaged
-	100				3/	11.35							y		1 2 4			valves.
5912	FB.39729	Gauge, seat, for inlet valve (90° angle)	X	X	1	1 3/		2	1		3	2	2		4	3	2	
29822	FB.57365	Gauge, seat, for inlet valve (90° angle)	1	1	X						3	2	2		1 4	3	2	1

(63400)	5917 23237 29820 29821 120308	FB.46241 FB.77600 FB.57363 FB.57364 FB.97399	Gauge, for inlet valve seat dia. Gauge, for exhaust valve seat dia. Gauge, for inlet valve seat dia. Gauge, for exhaust valve seat dia. Gauge, for exhaust valve seat dia.	x x	x x	x x x		-	2 2	1		3 3 3 3 3	2 2 2 2 2 2	2 2 2 2 2		4 4 4 4	3 3 3 3	2 2 2 2 2 2	For engines fitted with salvaged	
	5921 23241 5919	FB.44598* FB.77564 FB.44599*	Gauge, for lap (90° angle) Gauge, for lap FB.44598	x	x				2	1		3	2	2	,	4	3	2	valves.	
1	29569 120309	FB.57370 FB.97398	Gauge, for lap FB.44598	x	х	X X-			2	1		3 3	2 2 2	2 2 2		4 4 4	3 3 3	2 2 2	For engines fitted with salvaged	
	10811	FB.36477	Gauge, 18.025 mm., for spark plug adaptor.	x	x	X		3	2	1		3	2	2		4	3	2	valves.	
	5481 2200	FB.47327 FB.13092	Holder, for valve seat cutters	x	x				2	2 2		2	2	2		2	2	2 2		
	29567	FB.57439	Holder, for valves when lapping	X	X	X	1	1	3	2	1	3 3	2 2 2	2 2 2	2 2	4 4	3 3	2		
	10869	FB.46239	Insertor and extractor for inlet and ex- haust valve guides.	X	x				2	2		3	2	2	-	4	3	2 2		-
	29607	FB.57371/2	Insertor and extractor for inlet and exhaust valve guides			X			3			3	2	2		4	3	2		11
37	230 13 120022	FB.77563 FB.79944	Lap, for exhaust valve seat	x	x	12.1	1	2	6	4	2	6	4	4	4	8	6	4		
	120310	FB.97394	Lap, for exhaust valve seat Lap, for exhaust valve seat			x	1	2 2 2				6	4 4	4	4 4	8	6	4 4	For engines fitted with salvaged	
	23253	FB.77561	Reamer, for exhaust valve guide bore	x	x	100	MALE	00	10	8		12	10	10		24	20	18	valves.	
3	44864 120311	FB.65914 FB.97393	Reamer, for exhaust valve guide bore Reamer, for exhaust valve guide bore			X	3,000	Specific				12 12	10 10	10 10		24 24	20 20	18 18	For engines fitted with salvaged	
	13369	FB.90091	Reamer, for inlet valve guide bore	x	X		83	3	10	8		12	10	10		24	20	18	valves.	
	44866 13319	FB.65913 FB.90092	Reamer, for inlet valve guide bore Gauge, plug, for inlet valve guide bore			X		-0				12	10	10		24	20	18	fi v	
	10839	FB.35733	Reamer (.005 in. o/size) for inlet valve	X	X	x			3 4	2 3	1	6	4	4		8	8	6		
	10841	FB.49986	guide hole in cylinder head. Reamer (·010 in. o/size) for inlet valve				9													
			guide hole in cylinder head.	x	X	X			4	3	-	6	4	4		10	8	6		20
A 5	10843	FB.49987	Reamer (·015 in. o/size) for inlet valve guide hole in cylinder head.	x	x	x	usa	:	4	3	·	6	4	4		10	8	6	1 2 2 2 3	2461

	111611				770	1					ALL	OWAI	NCES			1			2461
Ref.	Part No.	Description	VI E	NGIN		s per craft	Ships	C	ircrat	rs			ions			pair irds	Ships	Remarks	
			Pegasus V	Pegasus I and 30	Mercury 30	Squadrons 6 I.E. Aircr	Catapult 8	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Sh	-0.0	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
10849	FB.49988	Tools for Cylinders and Valves—contd. Reamer, (·040 in. o/size) for inlet valve guide hole in cylinder head.	x	x	x			2	2		3	2	2		5	4	3		
13254	FB.57377	Reamer (rougher, for, .040 in. o/size) for	x	x	x	11		2	2		3	2	2		5	4	3		
10836	FB.35725	inlet valve guide hole in cylinder head. Reamer, (.005 in. o/size) for exhaust valve guide hole in cylinder head.	x	x	X			4	3		6	4	4		10	8	6		
13258	FB.35726	Reamer, (·010 in o/size) for exhaust valve guide hole in cylinder head.	X	x	x	1-1		4	3		6	4	4		10	8	6		12
13260	FB.35727	Reamer (·015-in. o/size) for exhaust valve guide hole in cylinder head.	X	X	X			4	3	. 1	6	4	4		10	8	6		
10850	FB.49991	Reamer (.040-in. o/size) for exhaust valve guide hole in cylinder head.	X	x	x			2	2		3	2	2		5	4	3		
13255	FB.57376	Reamer (rougher for '040-in. o/size) for exhaust valve guide hole in cylinder head.	x	x	x			2	2		3	2	2		5	4	3		
10873	FB.54891	Tool, caulking for cylinder head valve seats.	x	x				2	1		2	1	1		4	3	2]	
10877	FB.54892	Tool, caulking, for cylinder head valve seats,	x	x				2	1		2	1	1		4	3	2		
10929	FB.54893	Tool, caulking, for cylinder head valve seats.	x	x				2	1		2	1	1		4	3	2	Not required for	
10855	FB.52974	Spanner for testing tool for testing tightness of valve seat.	x	x				2	1	1	2	1	1		3	2	2	serrated valve seats.	14
10924	FB.51959	Tool for testing tightness of valve seat	x	X				2	1		2	1	1		3	2	2		
10925 10926	FB.51960 FB.52973	Tool, for testing tightness of valve seat Wrench, for testing tool for testing tightness of valve seat.	x x	X X				2 2	1		2 2	1	1		3 3	2 2	2 2	1.0	

5821	FB.46357	Gauge, for checking plungers on centre,	x	x		i i		1	1	1	1	1		1	1	1 1	11
5822	FB.46358	popping tool. Gauge, for checking plungers on centre, popping tool.	x	x				1	1	1	1	1		1	1	1	
5823 5824	FB.46356 FB.46350	Plunger, o/size for centre, popping tool Shim (.005 in.), for centre, popping tool	x x	X X				4 2	2	4 2	2	2		6 3	4 2	4 2	Not required for serrated valve
5825	FB.46351	(inlet). Shim (·010 in.), for centre, popping tool	х	x				2	1	2	1	1		3	2	2	seats.
5826	FB.46352	(inlet). Shim (·020 in.), for centre, popping tool (inlet).	x	X				2	1	2	1	1		3	2	2	
5827	FB.46353	Shim (*005 in.) for centre, popping tool, (exhaust).	x	x				2	1	2	1	1		3	2	2	
5828	FB.46354	Shim (·010 in.), for centre, popping tool (exhaust).	x	x			+	2	1	2	1	1		3	2	2	
5829	FB.46355	Shim (·020 in.), for centre, popping tool (exhaust).	x	X		1		2	1	2	1	1		3	2	2	
5868	FB.40851/2	Tool, centre popping, for inlet valve seat.	X	X				2	1	2	1	1		3	2	2	
5867 13207	FB.39822/2 FB.57277	Tool, centre popping, for exhaust valve seat.	X_	X				2	1	2	1	1		3	2	2	13
13207	FB.51277 FB.51559	Bush, pilot (.005 in. o/size) for reamer, for truing valve guide sockets (inlet) Bush, pilot (010 in. o/size) for reamer,	X	X	X			3	2 2	9	6	6		12	9	6	0
13209	FB.51560	for truing valve guide sockets (inlet) Bush, pilot (·015 in. o/size) for reamer,	x	x	X			3	2	9	6	6		12	9	6	
13210	FB.51561	for truing valve guide sockets (inlet) Bush, pilot (·040 in. o/size) for reamer,	x	X	x			2	1	6	4	4		8	6	4	
13211	FB.57278	for truing valve guide sockets (inlet). Bush, pilot (.005 in. o/size) for reamer,	x	x	x			3	2	9	6	6		12	9	6	- IN-
13214	FB.51556	for truing valve guide sockets (exhaust) Bush, pilot (010 in. o/size) for reamer,	x	x	x	E,		3	2	9	6	6		12	9	6	11511
13215	FB.51557	for truing valve guide sockets (exhaust) Bush, pilot (015 in. o/size) for reamer,	x	x	x		7	3	2	9	6	6	2 (12	9	6	
13217	FB.51558	for truing valve guide sockets (exhaust) Bush, pilot (·040 in. o/size) for reamer, for truing valve guide sockets (exhaust)	x	x	x	4= }		2	1	6	4	.4		8	6	4	
13264 5818	FB.57276 FB.36472/2	Reamer for truing valve guide sockets Taps, 18 m/m (2nd and plug), for spark	x	x	x	1	1	4 4	3	6	4 4	4 4		10 8	8	6	
13245	FB.51565	plug hole. Gauge, plug (*005 in. o/size) for inlet	x	x	x			3	2	4	3	3		6	5	4	2461
-		valve guide hole in cylinder head.	the said	140	1	174	Link		-	-		-	-		1		61

7857	-k (10) 100	Control of the second of the second	E	NGIN	æ					A	LLOW	ANCI	ES					
Ref.	Part No.	Description	-			per raft	Ships	C	ircra arrie		1-0	Nava				pair	sd	Remarks
10.	Laryen,		Pegasus V	Pegasus II and 30	Mercury 30	Squadrons per 6 I.E. Aircraft	Catapult S	Fleet and Light Fleet	Escort	Merchant	Class A	Class B		Class D and	Class A	Class B	Repair Ships	
			P	P. ar	M	8 9	Ü	Fle	Ä	MA				E			R	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
13247	FB.51566	Tools for Cylinders and Valves—contd. Gauge, plug (·010 in. o/size) for inlet valve guide hole in cylinder head.	x	x	x			3	2		4	3	3	+	6	5	4	
13252	FB.51567	Gauge, plug (.015 in. o/size) for inlet	x	x	x			3	2		4	3	3		6	5	4	
13253	FB.51568	valve guide hole in cylinder head. Gauge, plug (·040 in. o/size) for inlet valve guide hole in cylinder head.	x	x	x			1	1		2	1	1		3	2	2	
13257	FB.51569	Gauge, plug (·005 in. o/size) for exhaust valve guide hole in cylinder head.	X	+ x	x			3	2		.4	3	3		6	5	4	
13259	FB.51570	Gauge, plug (·010 in. o/size) for exhaust valve guide hole in cylinder head.	X	x	x			3	2		4	3	3 .		6	5	4	
13261	FB.51571	Gauge, plug (·015 in. o/size) for exhaust valve guide hole in cylinder head.	X	X	x			3	. 2		4	3	3		6	5	4	
13263	FB.51572	Gauge, plug (* 040 in. o/size) for exhaust valve guide hole in cylinder head.	x	X	х		0	1.	1		2	1	1		3	2	2	
5900 5911	FB.38331/2* FB.57330/2	(a) Tools for Valve Seats Fixture, complete, for grinding valve seats.	X	x	x			1	1	=	2	1	1		3	2	1	
5980	FB.41016	Belt, endless vee, for fixture for grinding valve seats.	X	X	x			2	2		4	2	2	1	6	3	2	
5904	FB.40908	Bracket, angle, for fixture for grinding valve seats.	X	x				1	1		2	1	1		3	2	1	
69398	FB.74624	Bracket, angle, for fixture for grinding valve seats.			X				1		2	1	1		3	2	1	
69404	FB.74625	Case, packing, for fixture for grinding valve seats.	X	X	X	1		1	1	1	2	1	1		3	2	1	

5982	FB.41014	Diamond, in holder, for fixture for	X	X	X			1	1		2	1.	1	11:	3	2	1		
5922	FB.40970	Motor, electric (220 volts D.C. 2-wire),	x	X	X			1	1			1		1 3	1		1	,	
5926	FB.40974	Motor, electric (230 volts single phase, 50 periods), for fixture for grinding	x	x	x						2	1	1		3 -	2			
5936_	FB.40910	valve seats. Ring, packing, for fixture for grinding valve seats.	x	x				1	1		2	1	1		3	2	ī	are applied	
2132	FB.2319	(b) Tools used with Grinding Fixture Bar, tommy, \(\frac{1}{4}\)-in. dia. x 6-in. long	x	x	X			3	3		6	3	3		10	6	3		
		valve seat.	X	X				1	1		2	1	1		3	1	1		
29818	FB.57361	Gauge, for maximum re-grinding of inlet seat.			X			15	10		2	1	1		3	2	1		
29819	FB.57362	Gauge, for maximum re-grinding of exhaust seat.	1,0		X				The PA		2	1	1		3	2	1		
5946 5942	FB.40195 FB.40197	Spanner, for drive spindle locknut Spanner, for drive spindle	x	x x	X X			1	1		2 2	1	1	100	3	2 2	1		
		(c) Spindles and Equipment for Grinding							1			120			100	50		3	15
5953	FB.57291	Spindle, complete, for grinding inlet	x	x	~			4	3		6	4	4		10	8	6	FRATESON SAME	
5939 29824	FB.57291/1 FB.57357	Shaft, for grinding spindle Spindle, complete, for grinding inlet	x	x	x		- 1	4	3		6 6	4 4	4		10 10	8	6	fucilities strate of	
	FB.57357/1 FB.77562/2	Shaft, for grinding spindle Spindle, complete, for grinding exhaust	x	x	x	JAL N =	100	4	3	WIII	6	4 4	4	110	10 10	8	6	Existing stocks of FB.77562 may be	
23413	FB.77562/ 2/1	Shaft, for grinding spindle	x	x		and house	o Heathy	4	3	Total V	6	4	4		10	8	6	supplied in lieu. Existing stocks of FB.77562/1 may be supplied in	
29825	FB.57358/2	Spindle, complete, for grinding exhaust		7	x	30	3		100		6	4	4		10	8	6	lieu.	
14918	FB.57358/	valve seat. Shaft, for grinding spindle		0 52	x		-	-			6	4	4		10	8	6		
8550	FB.41017	Bearing, ball	x	x	x	-		6	6		12	6	6		18	12	6		2461
20 20 20 20 20 20 20 20 20 20 20 20 20 2	5922 5926 5926 5936 2132 23239 29818 29819 5946 5942 5953 5939 29824 44916 = 23425 = 44918	5922 FB.40970 5926 FB.40974 5926 FB.40974 5936 FB.40910 2132 FB.2319 23239 FB.77601 29818 FB.57361 29819 FB.57362 5946 FB.40195 5942 FB.40197 5953 FB.57291 5939 FB.57291 1 FB.57357/1 FB.77562/2 23413 FB.77562/2 23413 FB.77562/2 44918 FB.57358/2 44918 FB.57358/2 2/1	FB.40970 FB.40974 Spindle, complete, for grinding spindle walve seats. Spindle, complete, for grinding spindle walve seats. Spindle, complete, for grinding walve seat. Spindle, complete, f	Spanner, for drive spindle locknut x Spanner, for drive spindle locknut x Spanner, for drive spindle x Spindle, complete, for grinding exhaust valve seat. Spindle, complete, for grinding spindle x Spindle, complete, for grinding exhaust valve seat. Spindle, complete, for grinding exhaust x Spindle, complete, for grinding exhaust Spindle, complete,	Spanner, for drive spindle locknut x x	Space FB.40970 Grinding valve seats. Motor, electric (220 volts D.C. 2-wire), for fixture for grinding valve seats. Motor, electric (230 volts single phase, 50 periods), for fixture for grinding valve seats. Space seats	Spanner Span	Space FB.40970 Motor, electric (220 volts D.C. 2-wire), for fixture for grinding valve seats. Motor, electric (230 volts single phase, 50 periods), for fixture for grinding valve seats. Space periods, for fixture for grinding valve seats. Space periods, for fixture for grinding valve seats. Space periods, for fixture for grinding for valve seat. Space periods, for fixture for grinding for fixture for grinding of the seat. Space periods, for fixture for grinding of the seat. Space periods, for fixture for grinding of the seat. Space periods, for fixture for grinding for fixture for grinding of the seat. Space periods, for grinding periods of fixture for grinding for fixture for grinding fixture for grinding for fo	Space FB.40970 Grinding valve seats. Motor, electric (220 volts D.C. 2-wire), for fixture for grinding valve seats. Space FB.40974 Motor, electric (230 volts single phase, 50 periods), for fixture for grinding valve seats. Space Space	Space FB.40970 Grinding valve seats. Motor, electric (220 volts D.C. 2-wire), for fixture for grinding valve seats. Motor, electric (230 volts single phase, 50 periods), for fixture for grinding valve seats. X	Space FB.40970 Grinding valve seats. Motor, electric (220 volts D.C. 2-wire), for fixture for grinding valve seats. Motor, electric (230 volts single phase, 50 periods), for fixture for grinding valve seats. I a valve seat. I a valve seat	Space FB.40970 Spanner, for drive spindle locknut	FB.40970 FB.40974 Motor, electric (220 volts D.C. 2-wire), for fixture for grinding valve seats. X	FB.40970 FB.40974 Motor, electric (220 volts D.C. 2-wire), for fixture for grinding valve seats. Soperiods), for fixture for grinding valve seats. Soperiods), for fixture for grinding valve seats. Summy seats for fixture for grinding fixture for grinding of valve seat. Summy seats for fixture for grinding of valve seat. Summy seats for fixture for grinding of valve seat. Summy seats for fixture for grinding of valve seat. Summy seats for fixture for grinding of valve seat. Summy seats for fixture for grinding for fixture for grinding for exhaust seats. Summy seats for fixture for grinding for fixture for grinding spindle Summy seats f	FB.40970 Motor, electric (220 volts D.C. 2-wire), for fixture for grinding valve seats. X	Spaner February February	FB.40970 FB.40974 Motor, electric (230 volts D.C. 2-wire), for fixture for grinding valve seats. Spanner, for drive spindle complete, for grinding of valve seats. Spindle, complete, for grinding of valve seats. Spindle, complete, for grinding spindle complete, for gr	FB.40970 Grinding valve seats.	FB.40970 FB.40970 FB.40970 FB.40970 FB.40974 FB.40974

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Ref.	Part No.	Description	I	<u></u>		per	hips	C	ircra arrie			Na va Star	al Air tions		Re Ya	pair ards	sd	Remarks	
			Pegasus VI	Pegasus III and 30	Mercury 30	Squadrons per 6 I.E. Aircraft	Catapult Ships	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	Remarks	
(1)	(2)	(c) Spindles and Equipment for Grinding Valve Seats—contd.	(4)	(5)	(6)	-	(8)			(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
5984 5943	FB.41015 FB.57290/ 2/18	Drive, flexible Shank, driving	x	x x	XX		2	1	2		4 2	2 1	2		6 3	4 2	2 1	Existing stocks of FB.57290/18 may be supplied in	
5948	FB.40198	Spanner, for grinding wheel securing nut.	x	x	X			2	2		4	2	2		6	4	2	lieu.	16
5944 5954 5958	FB.40199 FB.40145 FB.40146	Spanner, for ball race locknut Wheel, grinding, for 45° inlet valve seat Wheel, grinding, for 45° exhaust valve seat.	X X X	x x x	x x x			12 12 12	2 10 10		4 20 20	2 15 15	2 15 15		6 50 50	4 30 30	2 25 25		
5960	FB.40147	Wheel, grinding, for 30° inlet and exhaust race.	x	X	x			12	10		20	15	15		50	30	25		
5956 5962 120312	FB.40148 FB.40149 FB.97396	Wheel, grinding, for 15° exhaust face Wheel, grinding, for 70° inlet throat Spindle, complete, for grinding exhaust valve seat.	x x	X X	X X X			12 12	10 10		20 20 6	15 15 4	15 15 4		50 50 10	30 30 8	25 25 6	7	
120313 120314	FB.97396/1 FB.105152	Shaft for spindle, for grinding exhaust valve seat. Gauge, for maximum re-grinding of valve seats.			x						6 2	4	4		10	8 2	6	For engines fitted with salvaged valves.	
5804 18722	FB.41913 FB.45238	(d) Tools for Cylinder Union Adaptor Plug, testing, for adaptor Cutter (4 mm. o/size), for bedding face of adaptor.	X X	x x				1 1	1 1		1 1	1 1	1 1		1 1	1 1	1 1		

5800	FB.45237	Cutter (2 mm. o/size), for bedding face of adaptor.	x	x				1	1		1	1	1		1	1	1	
5808	FB.41912	Holder, for cutter	x	x				1	1		1	1	1		1	1	1	
18726	FB.52465	Gauge, bedding, for bedding face of adaptor.	x	x				1	1		1	1	1		1	1	1	
5796	FB.41614	(e) Tools for Spark Plug Adaptor Cutter, hand, for bedding face of spark	x	x	x			2	2		2	2	2		3	2	2	
9190	ED.41014	plug adaptor.	A	Y	A	1		- 2	2		2	2	2		0	-	-	
18724	FB.52464	Gauge, bedding, for bedding face of spark plug adaptor.	x	x	х			1	1		1	1	1		1	1	1	1 1 1 1 1 1
2444	and and	Tools for Rocker Mechanism										1 = (1	0	20			
5504	FB.19806	Spanner, for rocker adjusting screw	X	X	X	2	1	6	4	3	8	6	6	4	12	10	8	
10632 29384	FB.44447/2 FB.51435/2	Gauge, for angle of attack of rockers Gauge, for angle of attack of rockers	x	X	-	1	1 1	3	2	1	4	3	3 3	3 3	6	5 5	4	
10666	FB.35180	Spanner, box, for rocker bracket bolt	х -	x	X	2	1	6	4	3	8	6	6	4	12	10	8	
10709	FB.56420	nut.	-	2	-	1	1	3	2	1	4		3.	2	6	5	4	
10703	F.D.50420	Tool, inserting and extracting, for rocker bracket bolt.	X	X	X	1	1	9	2	1	*	3	0.	2	0	9	*	
10705	FB.35184/3	Tool, for pressing in and out rocker button bush.	x	x	- X	1	1	3	2	1	4	3	3	2	6	5	4	
10696	FB.35177	Drift, for pressing ball races on exhaust rockers.	x	х		1		2	2		3	2	2		6	4	4	
10660	FB.21706	Spanner, box, 4-in. B.S.F., for tie rod nuts.	X	X	x	2	1	6	3	2	6	3	3	2	12	10	8	
10690	FB.35617	Tool, for inserting and extracting inlet rockers and arms.	x	x				3	2		4	3	3		6	4	4	
29432	FB.57341	Tool, for inserting inlet rockers			x	1111		Mary.	(IIII)	410	4	3	3		6	4	4	
29434	FB.57343	Tool, for inserting inlet rocker arms		-	X	5					4	3	3		6	4	4	***************************************
10624	FB.35178	Tool, for withdrawing cylinder headlug from bracket.	X	X		1	1	3	2	- 1	4	2	2	2	5	3	3	For engines prior to amendment A.669 for Pegasus VI and XXX en-
	TTD 00000								0						2			gines.
120021	FB.97266	Tool, for withdrawing cylinder headlug from bracket.	X	x	X	1	1	3	2	1	4	2	2	2	5	3	3	Subsequent to amendment A.669.
5512	FB.21157	Tool, alignment, for rocker bracket lugs	x	x	X	1	1	3	3	1	6	3	3	3	9	6	6	
120434 29369	FB.87066 FB.57345	Tool, for releasing push rod cover tube Drift, for pressing ball races in exhaust	X	X	X	1	1	2	1	1	2 3	1 2	1 2	1	6	2 4	2 4	
		rockers.					100	4111			-			- 14	100			

APPEND	IX I	1	BRI	STOL	EN	GINI	TO	OLS	-cont	d.									32
			E	NGIN	ES	-	-	1	-		ALLO	OWAN	CES		0	1			2461
Ref.	40.0000			1		9.83	86		Aircra Darrie				al Air			pair		the age of the	
No.	Part No.	Description	IV	H	30	is per	Ships	- +		Too.	1	1	-	,	1	1	Ships	Remarks	
			Pegasus	Pegasus and 30	Mercury	Squadrons per 6 I.E. Aircraft	Catapult	Fleet and Light Fleet	Escort	Merchant Aircraft	Class A	Class B	Class	Class D and E	Class A	Class B	Repair Sh		-
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	-	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
29371	FB.57342	Tools for Rocker Mechanism—contd. Extractor, for inlet rockers and rocker			x						3	2	2		4	3	3		
10871	FB.35211	Inserter and extractor, for rocker bracket bush.	x	x	x				1						3	2	1		
13080 10607	FB.35186 FB.34937	Reamer, for rocker bracket bush Cutter, external, for rocker bracket trunnion bush.	x x	x	x x		la X								10 8	8 6	6 6		18
10626	FB.35181/2	Extractor, for rocker bracket trunnion bush.	x	x	X		1							~	3	2	1		
10698	FB.35182	Tool, for pressing on rocket bracket trunnion bush.	X	x	X		1							1	3	2	1		
13216	FB.34938	Tools for Cam and Tappet Gear Adaptor, for withdrawing cam gear and	x	x	x										2			Tree on the same	
10762 5772	FB.35212	sleeve. Drift, for removing push rod end	x	x	x			2	1		3	2	2		6	4	3	Use with extractor for crankshaft inner races	
13065 18216	FB.33405* FB.57256 FB.40396	Extractor and vice holder, for push rod, lower end.	X	X	X			2	1		3	2 2	2		4	3	2	FB.90165 (or any stocks of	
10806	FB.35193	Extractor, for "gits" oil seal Holder, for cam gear layshaft	X	X	X		1	1	1		1	1	1		3	2	2	FB.10245) and	
10654	FB.35175	Rod, for setting cam sleeve for timing engine.	X	X	x	-	i	1	1	1	1	1	1		3 6	4	2 4	FB.15010.	
13084 18294	FB.34929 FB.40397	Sleeve, for protecting crankshaft sleeve Tool guide, for inserting tappet	X	X	x	1 8					11				2 6	1	1		
10201	2. 20, 20001	1001 guide, for inserting tappet	X	X	X			2	2		2	2	2		6	4	4		
		The state of the s	3	1					113	.					111	. 10	1		

32064 FB. 10778 FB. 29554 FB. 29372 FB. 10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB.	3.21705 3.52710 3.35935 B.51456 B.53437 B.36776 B.36776 B.77546 B.26399/3	Tools for Oil Pump Bush, for lining up oil pump when assembling. Bush, for lining up oil pump when assembling. Extractor, for removing oil pump from rear cover. Extractor, for removing oil pump from rear cover. Extractor, for oil sprayer valve Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub Spanner, for hub retaining nut	x	x x x	x x x	1 1 1 2 2 2	1 1 1 1 1 1	1	1	1	1 1 1	1 1 1	1 1 1	1 1 1 1	2 2 2 2 2	2 2 2 2 2	2 2 2 2		
32064 FB. 10778 FB. 29554 FB. 29372 FB. 10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB.	3.52710 3.35935 8.51456 8.53437 8.36776 8.36775 8.77546	assembling. Bush, for lining up oil pump when assembling. Extractor, for removing oil pump from rear cover. Extractor, for removing oil pump from rear cover. Extractor, for oil sprayer valve Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub	x	x	x x x	1 1 2	1 1 1		1		1 1 1		1 1 1	1 1 1	2 2 2	2 2 2	2 2 2		
10778 FB. 29554 FB. 29372 FB. 10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	3.35935 3.51456 3.51456 3.53437 3.36776 3.36776 3.36775 3.77546 3.26399/3	Bush, for lining up oil pump when assembling. Extractor, for removing oil pump from rear cover. Extractor, for removing oil pump from rear cover. Extractor, for oil sprayer valve Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub	x		x x x	1 1 2	1 1 1		1		1 1 1		1 1 1	1 1 1	2 2	2 2	2 2		
10778 FB. 29554 FB. 29372 FB. 10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	3.35935 3.51456 3.51456 3.53437 3.36776 3.36776 3.36775 3.77546 3.26399/3	assembling. Extractor, for removing oil pump from rear cover. Extractor, for removing oil pump from rear cover. Extractor, for oil sprayer valve Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub	x		x x x	1 1 2	1 1 1		1		1 1 1		1 1 1	1 1 1	2 2	2 2	2 2		
29554 FB. 20372 FB. 10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.51456 B.53437 B.36776 B.36775 B.77546	Extractor, for removing oil pump from rear cover. Extractor, for removing oil pump from rear cover. Extractor, for oil sprayer valve Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub	x		x x x	1 1 2	1 1 1		1		1 1 1		1 1 1	1 1 1	2	2	2		
29554 FB. 20372 FB. 10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.51456 B.53437 B.36776 B.36775 B.77546	rear cover. Extractor, for removing oil pump from rear cover. Extractor, for oil sprayer valve Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub	x		x x x	1 1 2 2 2	1 1 1		2		1		1	1		2	2		
20372 FB. 10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.53437 B.36776 B.36775 B.77546	Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub		x x	x x x	1 2 2 2	1 1 1		2		1	1	1	1			13		
10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB	B.36776 B.36775 B.77546	Extractor, for oil sprayer valve Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub		x x	x x	1 2 2	1		9		1	1	1	1	2	2 -	2		
10521 FB. 10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB	B.36776 B.36775 B.77546	Tools for Fuel Pump Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub		x x	x x	2 2	1		2		1	1	1	1	2	2	2		
10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.36775 B.77546 B.26399/3	Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub		x x	X	2 2	1		2									170	
10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.36775 B.77546 B.26399/3	Spanner, for relief valve adjusting screw Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub		x x	X	2 2	1		2						-				
10523 FB. 69134 FB. 10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.36775 B.77546 B.26399/3	Spanner, for relief valve adjusting screw locknut. Moulding tool, for gland packing Tools for Airscrew Hub		x	X	2	î			2	6	4	4	3	12	10	8		
10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.26399/3	locknut. Moulding tool, for gland packing Tools for Airscrew Hub			1	1	1.0	6	3	2	6	4	4	3	12	10	8		
10538 FB. 5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.26399/3	Tools for Airscrew Hub															199		
5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.		0 0 1 1 1 1 1 1 1			X	1	1	1			3	2	2	2	6	4	3		
5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.		0 0 1 1 1 1 1 1 1		1	1							-							
5372 FB. 5386 FB. 5383 FB. 3042 FB. 5391 FB.			X		x	1	1	3	9	1	4	3	3	2	6	5	4		
5386 FB. 5383 FB. 3042 FB. 5391 FB.	B.19604	Spanner, for airscrew hub nut	X	X	X	î	î	3	2 2	î	4	3	3	2	6	5	4		
3042 FB 5391 FB	B.20074	Support, for hub nut spanner	X	X	X	î	î	3	2	î	4	3	3	2	6	5	4		-
5391 FB.	B.42492	Spanner, for hub screwed sleeve	x	x	X	1	1	3	2	1	4	3	3	2	6	5	4		19
	B.42507	Sleeve, for propellor hub	X	X	X	1	1	3	2	1	4	3	3	2	6	5	4	A Transaction	
120318 FB.	B.42493	Tool, for pressing home hub	X	x	x	1	1	3	2	1	4	3	3	2	6	-5	4	Comments and	
	B.74690/2	Spanner, for airscrew sleeve	X	x	X	1	1	3	2	1	4	3	3	2	0	5	4	*	
		Tools for use with Ignition Fittings										1 2	0 1 0						
10633 FB	B.51790/2	Guide, buffer, for H.T. cables	x	x	x	1	1	2	2	1	2	2	2	2	6	6	6		
			1																
		Tools for use with Supercharger				100			111	11/2	117"	Value)							
	B.35190/2	Drift, for spring drive centre	X	X	X		1	1	1		1	1	1		3 3	2	2		
	B.35620 B.35619	Extractor, for supercharger unit Extractor, for spring drive centre	X	X	X		1	1	1		1	1	1	777	3	9	2 2		
	B.20776/2	Fixture, for removing inter bearing	X	X	X	4 7	34		20		3400		-	11/2	2	2 2 2 2	2		
10,00	3.20110/2	support ring.	-	-	-	1		-	. 3	3									
23230 FB	B.45239	Fixture, for checking end wobble on	x	X	x	981								-	2	1	1	100	
10000	D OFFICE	impellor.				-= 1		1 3	1	1		100	100	- >	0				
	B.35232	Blades For checking impellor and	X	X	X			1	77-17			15-CO	VIII-		8	4	4		
	B.35229/2	Gauge volute casing clearance.	X	X	X										2 2	1	1		20
		Holder, for inter. gear pinion	X	X	X					-	1000	14931	10-		3	2			1
20000 20	B.35230/2 B.23446		1	X												1 2	2		2481

	16	The state of the s		NGIN							ALL(OWAN	ICES			-		1042	121
Ref. No.	Part No.	Description	VI E	III I		rons per Aircraft	Ships	C	irera arrie	rs			al Air			pair irds	bs	Remarks	
11	0 10		Pegasus V	Pegasus I and 30	Mercury 30	Squadrons per 6 I.E. Aircraft	Catapult Ships	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
10860 8091 8089 8395 10656 10852 15152 8097 10763 10829 10657 29374 32090 29598 29410 29412 32152 32320 29596 29583	FB.35219 FB.14985 FB.14986 FB.20779 FB.36092 FB.35732 FB.37254 FB.20781 FB.41141 FB.41140 FB.36091 FB.51128 FB.52403 FB.51226 FB.51162 FB.51168 FB.52402 FB.57270 FB.51221 FB.57270	Tools for use with Supercharger—contd. Key, box, for spring drive securing nut Key, box, for impellor gear Pincers, for assembling spring drive spring. Sleeve, supporting, for removing impellor gear. Spindle, for inter gear centre (for checking end float). Spanner, for inter pinion nut Drift, to assemble impellor gear Sleeve to assemble impellor and gear Extractor, for impellor gear Holder, for intermediate gear pinion Spanner, holder for retaining nuts for retaining nuts for intermediate pinion bearing inner race. Shim, for tool for checking end wobble on impellor. Drift for assembling impellor and flug impellor. Drift for assembling impellor and	x x x x x x x x x x x x x x x x x x x	x x x x x x x x	x x x x x x x x x x x x x x x x x x x		I	1	1		1	1	1		6 6 6 3 3 3 3 3 6 6 6 6 3 6 3 3	6 6 6 2 2 1 2 2 2 2 2 5 5 5 2 4 2 2 2 2 2 2 2 2 3 5 5 5 2 4 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	55552 2 12 52 22 22 22 55552 4 22	Common also to "Taurus".	000

32315 15140 15107	FB.57321 FB.57319 FB.57346	Sleeve, for centralising jig. Sleeve, for centralising jig. Driver for lapping clutch	x	x	x										2 2 2	2 2 2	1 1 2		
13225	FB.57334	Fixture, lapping blocks in intermediate driving gear Tools for use with Reduction Gear	х	x	x										2	. 2	2		1.1
5410 25220 29548	FB.14965 FB.40400 FB.51164	Extractor, for reduction gear driving wheel. Extractor, for rear bevel wheel Extractor, for stationary gear and ball	x x x	х	x		1	1	1	1	2	2	2	1	3 3 3	2 2 2	2 2 2		
15136 25020	FB.38304 FB.40535	race. Fixture, for checking backlash on reduction gear. Gange, assembly (from bevel gear to	x	x	x		2				2	2	2	2	1 3	1 3	1 3		
25022	FB.40534	face of reduction gear casing). Gauge, assembly (from driving wheel to front cover face).	x				2				2	2	2	2	3	3	3		
10878 10670	FB.35623 FB.35171	Spanner, for reduction gear nut Spanner, for bevel pinion nut	x	X X	X X	=	1	1	1	1	2	2	2	1	3	2 2	2 2	Common also to	0
10854 10856	FB.35215 FB.35625	Spanner, for airscrew shaft thrust nut Spanner, for airscrew shaft lock nut (rear).	x x	x x	x x		1	2	1	1	2	2	2	1	3	3 2	3 2		TOE

	The state of		E	NGIN	ES						ALL	OWA	NCES					
Ref.	Part No.	Description	IA	1		per raft	hips	0	irera arrie				al Air			pair ards	80	Remarks
	1 10 1		Pegasus V	Pegasus III and 30	Mercury 30	Squadrons per 6 I.E. Aircraft	Catapult Ships	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
5510 29612	FB.19953 FB.52477	Stand, for reduction gear	x x	х	X X	1									2 2	2 2	. 1	
25250	FB.45706	Wedges, centralising, for checking backlash.	x									. "			12	12	12	
0810	FB.35206	Gauge, centralising, for reduction gear assembly.	x	X			- 1	1	1	1	1	1	1	1	2	. 2	1	
13064	FB.35221	Gauge, assembly, from bevel gear to face of reduction gear casing.	-	X		-		2	2	1	2	2	2	2	3	3	3	
18220	FB.40537	Gauge, assembly (from driving wheel		X		- 1		2	2	1	2	2	2 .	2	3	3	3	
10772 10766	FB.35216/2 FB 35622	to front cover face). Extractor, for rear bevel wheel Extractor, for stationary gear and ball race.	1 - 1	X											3 3	2 2	1 1	
10872	FB.35621	Tool, for assembling stationary gear and bearing.		X						-					2	2	1	
33724 32076 29552	FB.65931 FB.52771	Extractor, for oil seal housing Extractor, for rear bevel wheel	1		X		1	1	1	1	2	2	2	1	2 2	2 2 2	2 2	
32080	FB.51433/2 FB.53826	Extractor, for oil valve casing Gauge, assembly (from bevel gear to face of reduction gear case).			X		1 2				1 2	1 2	1 2	1 2	2 3	2 3	2 3	
32082	FB.53824	Gauge, assembly (from driving wheel to face of crankcase front cover).			X	1	2				-2	2	2	2	3	3	3	
	Tarrest S								*								-	
	The same of	The state of the s										1		,		1	1	

10985 10986	FB.53253 FB.53254	Reamer, for bush Reamer, for bush	x	x	x										3	2 2	2	
10800	F.D.03204		X	X	X					1 31		1			3	2	2	
59020	FB.63054	Tools for Priming System Spanner, for union	x	x	x	2	1	6	3	2	6	4	4	3	12	10	8	
58598 18227 18229 29609	FB.66015 FB.41563 FB.41565 FB.57262 FB.51224	Tools for use with Generator Drive Extractor, for generator driven bevel Holder, for generator drive shaft Holder, for universal shaft end (long) Tool, inserting and extracting, for generator driven assembly. Reamer, for universal coupling bush	x x x	X X X	x x x		1 1 1 1	.1	1 1 1	1 1 1	1 1 1 1	1 1 1 1 1	I I I I	1 1 1 1 1	3 3 3 3	2 2 2 2 2	2 2 2 2 3	
29424	FB.51438	Tools for use with Induction Elbow Spanner, for induction elbow and volute casing nuts.	x	x	x		1	3	2	1	3	2	2	1:	6	5	4	
29576.	FB,51227	Tools for Auxiliary Drive Fixture, reaming, for auxiliary drive shaft bush.			x										2	1	1	233
29606	FB.51434	Insertor and extractor, for auxiliary drive shaft bush.	1		X				=1		13			,	2	2	2	3
10840 10822	FB.35199 FB.35200	Reamer, for auxiliary drive shaft bush Fixture, reaming, for auxiliary drive	x x	X	X										8 2	6	4	
10875	FB.46325	shaft bush. Insertor and extractor, for auxiliary drive shaft bush.	x	x	1937	LIV	[9]	Loe	1100	arsi	000	1120	394)	1	2	1	1	
23028	FB.46004	Tools for Oil and Petrol Pump Drive Holder, for cross drive shaft	x	X	x	No.	To the same	In section	E-086	Manual M		22	citie		4	2	2	
18236 18234 18230	FB.39979 FB.39977 FB.39976	Tools for Air Compressor Drive Holder, for driving shaft Holder, for driving shaft Holder, for petrol pump coupling	X X X	X X X	100	The last			and the same	100				RAIL.	4 4	3 3 3	2 2 2	n-yell/
18226 18272 13268	FB.39975 FB.39978 FB.39982	Holder, for driven bevel Spanner, for bearing retaining nut Spanner, for \(\frac{3}{4} \)-in. B.S.P. plug	XXXX	X X X	x x x						OFE				8 8	3 6 6	2 4 4	200
44848	FB.65973	Holder, for driving shaft			X	0.19	N. J	UOI!	Ç 30	-					4	2	2	2461

			E	NGIN	ES		1	_			ALLO	WANG	CES						TOF
Ref.	Part No	Description	_ I		0	per	Ships	(Aircra Carrie			Nava Stat				pair	80	Remarks	
			Pegasus VI	Pegasus III and 30	Mercury 30	Squadrons per 6 I.E. Aircraft	Catapult S	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	Ivenarks	
(1)	(2)	. (3)	(4)	(5)	(6)	(7)	(8)			(11)	(12)			(15)	(16)	(17)	(18)	(19)	
29750	FB.51220	Tools for Distributor Drive Collar, for use with extractor for distributor drive shaft bush.			x										4	2	2	17	
18577	FB.36621	Extractor, for distributor drive shaft	x	x	x									J- X	2	2	2		
10824	FB:35202	bush. Fixture, reaming, for distributor drive	x	x	x										2	1	1		
10842	FB.35201/2	shaft bush. Reamer, for distributor drive shaft bush	x	x	x										8	6	4		14
54036 10793	FB.63029 FB.43619/2	Tools for Magneto and Drive Spanner, for magneto securing nuts Fixture, reaming, for magneto spring drive centre bush.	x x	x	x	2	2	6	4	3	6	4	4	3.	10	8	6	1	
10847	FB.43620	Reamer, for magneto spring drive centre bush.	x	x	*										4	3	3	Required only for	
10787	FB.43621	Fixture, reaming, for magneto drive bevel bush.	x	x				4							1	1	1	engines prior to Mod. E.1343.	
10845 10791	FB.43622 FB.46714	Reamer, for magneto drive bevel bush Fixture, spring, compressing, for mag- neto driving bevel.	x x	x x	x		ł								4 2	3 2	3 2		
10615 10675	FB.34936 FB.38410	Device, timing, for magneto Spanner, for magneto coupling jaws	x	x	x	1	1	3	2	1	3	2	2 -	2	4	3	2		
54440	FB.57315	Expander, to advance magneto when timing.	X X	x	X X	1 2	1 2	6	1 4	1 2	1 6	1 4	1-4	1 2	2 8	2 8	6	FB.40090* spring	
54446	FB.57314	Spanner, to advance magneto when timing.	х	x	x	1	1	3	2	1	3	2	2	1	4	4	3	clip — alterna- tive tool.	

10506 8017 10530 10532 10534 10528 10526 10524 10522 10520 10518 120287 2156 *5373 13090	FB.26456 FB.19160 FB.26407 FB.26583 FB.26582 FB.26459 FB.26460 FB.26461 FB.26462 FB.26463 FB.26464 FB.97332 FB.5427 FB.5427 FB.20130/2 FB.35234	Tools for General Use Bar, tommy Gun, oil, enots Spanner, box, ½-in. B.S.F. Spanner, box, ½-in. B.S.F. Spanner, ½-in. Z-in. B.S.F. Spanner, ¾-in. X-1½-in. B.S.F. Spanner, ½-in. X-1½-in. B.S.F. Spanner, box, 2 B.A. X-1½-in. B.S.F. Spanner, box, 2 B.A. X-1½-in. B.S.F. Spanner, box, 4 B.A.	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	6 1 6 6 3 3 3 3 6 6 6 6 6 6 6 6 6 6 6 6	4 2 4 4 2 2 2 2 2 4 4 4 4 4 4 4 4 4 4 4	12 3 12 12 6 6 6 6 12 12 12 12 12	8 2 8 8 4 4 4 8 8 8 8 8 8	6 2 6 6 3 3 3 6 6 6 6 6 6 6 6 6 6 7	15 6 15 15 10 10 10 10 15 15 15 15 15 15	15 6 15 15 10 10 10 10 15 15 15 15 15 15	15 6 15 15 10 10 10 10 15 15 15 15 15 15 15	8 2 8 8 4 4 4 4 8 8 8 8 8 8 8	30 12 30 30 20 20 20 20 30 30 30 30 30 30	24 10 24 24 15 15 15 15 24 24 24 24 24 24	20 8 20 20 12 12 12 12 18 18 18 18 18	Common also to "Taurus". Common also to "Taurus".
		Tools for Use at Inspection of Suspected Shock-loaded Engines										-			-5-			
18547	FB.77616	Clamp, for use when testing airserew shaft for cracks.	x	x	x										2	2	2	
18548	FB.77617	Clamp, for use when testing airscrew shaft for cracks.	x	x	x		× 1			4		W.			2	2	2	-
18549	FB.77618	Clamp, for use when testing airscrew shaft for cracks.	x	x	x		4-			-					2	2	2	
18564	FB.77615	Gauge, for checking airscrew shaft splines.	x	x	x		1	2	- 1	1	2	1	1	~ 1	2	2	2	
18625	FB.74797	Tool, extension, for test indicator	x	x	x		1	2	1	1	2	1	1	1	2	2	2	
18624	FB.74792	Tool, for test indicator	x	x	x		1	2 2 2	1	1	2 2 2 2	1	1	1	2 2 2 2	2 2 2 2	2	
18635	FB.74796	Tool, for test indicator	X	X	x		1	2	1	1	2	1	1	1	2	2	2	
18623	FB.74788	Tool, for use when checking oil transfer housing.	x	x	x		1	2	1	1	2	1	1	1	2	2	2	
18622	FB.74784	Tool, for use when checking front cover	X	x	x		1	2	1	1	2	1	1	1	2	2	2	Y

1			ENG	INES	_				ALL	OWA	NCES					
Ref.	Part No.	Description				· C	ircra: arrie:				al Air			pair ards	sd	1
No.			Taurus II	Taurus XII	Squadrons per 6 I.E. Aircraft	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	Remarks
(1)	-(2)	(3) SECTION 36R.	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
2606	FB.65984	Tools for Use with Crankcase Protector for crankcase and connecting rods (14 per set).	x	x	14	56	42	14	56	56	56	42	84	84	70	
2844	FB.72530	Drift to assemble sleeve driving gear	x	x	18								3	2	2	
2846 2848	FB.72531 FB.66090	Drift to remove sleeve cranks Drift to insert or remove sleeve crank bearing (front).	x x	x									3 3	2 2	2 2	
2850	FB.66091	Drift to insert or remove sleeve crank bearing (rear).	x	x							1		3	2 ,	2	
2852	FB.66076	Extractor for crankcase front section and front cover.	x	x		1	1	1	1	1	1	1	1	1	1	
2854 2856	FB.72529 FB.66077	Extractor for sleeve driving gear	X	X									2	2	1	
2858	FB.66092	Fixture, inserting for layshafts Pliers to remove sleeve crank bearing circlip.	X	x					No. of	TEV.	10	2	1 3	1 2	1 2	
3124	FB,35228	Pliers for removing bearing retaining rings.	x	x			i i			SIZ I		iv	3	2	2	
2862 2864	FB.66087 FB.66088	Spanner box, for crankcase bolt nut Spanner, tube, for layshaft retaining	x	X X	1	3	2	1	.4	3	3	2	6 4	5	4 3	
3452 2870	FB.71917 FB.72528	nut. Tool for assembling sleeve crank (short) Tool, for assembling sleeve crank (long)	x	x					1	19	10	172	2	2 2	1	
		toos, for assembling sleeve crank (long)	X	X						-			2	2	1	

Tool for tightening retaining nut on all select canak group, comprising :- bracket, steady, for spanner x x x spanner, for nut x x x spanner, for			m 1 6 - 1211 at a state of the control of		1	1	- 1		. 1	1	1	1	1	4. 1		1		
72873 FB.79993 Bracket, steady, for spanner N X			sleeve cranks group, comprising:			6	1 -							14.7		0		
T2874 FB.7991 FB.7991 FB.79992 FB.	72873	FB.79993	Bracket, steady, for spanner	X	x							0						
T2867 FB.7996 Tool, for tightening sleeve crank lock nut group, comprising:—			Holder, for sleeve crank		100000							7		7.				
T2867 FB.7996 FB.7999 FB.7989 FB.6029 FB.65386 FB.65386 FB.65386 FB.65386 FB.65386 FB.05486 FB.7389 FB.105154/2 FB.105154/2 FB.66076 FB.66076 FB.7388 FB.7385 FB.7385 FB.7385 FB.7385 FB.7385 FB.7385 FB.66025 FB.57385 FB.66025 FB.57385 FB.66025 FB.57385 FB.66025 FB.57385 FB.66025 FB.57385 FB.66025 FB.57385 FB.66025 FB.66025 FB.57385 FB.66025 FB.66025 FB.57385 FB.66025 FB.66025 FB.66025 FB.57385 FB.66025 FB.66025 FB.66025 FB.57385 FB.66025 FB.66025 FB.57385 FB.66025 FB.57385 FB.66025 FB.66025 FB.57385 FB.660	72877	FB.79991		X	X						0 0			4	.,-	100		
FB.79996 FB.79996 FB.79996 FB.79996 FB.79996 FB.79992 FB.65086 FB.65086 FB.57389 FB.65086 FB.57389 FB.65086 FB.57389 FB.66070 FB.67289 FB.66070 FB.67289 FB.67289 FB.66086 FB.57385 FB.66086 FB.57385 FB.66086 FB.67385 FB.66086 FB.68025 FB.68023 FB.68025 FB.68025 FB.68023 FB.68025 FB.68025										- 1								
FB.7992 Spanner, for nut	mange	TED PROOFS 5	nut group, comprising:	x	x		=							4				
Tools for Use with Rear Cover Spanner, universal box, \(\frac{1}{8} \) in B.S.F. x x x 1 2 2 1 3 3 2 2 2 3 3 3 2	72867	FB.79990	Spanner for nut											4	3	3		
FB.63029 FB.63029 FB.65986 FB.65040 FB.35234 FB.66076 FB.66076 FB.66076 FB.65078 FB.65086 FB.57387/2 FB.57299 FB.57299 FB.57299 FB.57299 FB.57299 FB.57299 FB.57299 FB.57299 FB.66025 FB.6602		110.10002	Spanner, 101 mas		100						- 0	9 8	- 1					
5308 FB.63029 FB.65389 FB.66066 FB.66066 FB.66066 FB.66025 FB.65389 FB.65389 FB.65389 FB.66062 FB.65389 FB.66065 FB.65389 FB.66065 FB.65389 FB.65389 FB.65389 FB.65389 FB.66065 FB.66065 FB.66065 FB.65389 FB.65389 FB.65389 FB.65389 FB.66065 FB.66065 FB.66066 FB		L Could be 1	Tools for Use with Rear Cover					0		10	0	0	a	10	10	Q.		
120456 FB.57389 Spanner, for union body and union nut x x x 2 4 2 2 4 2 2 2 4 4	54036		Spanner, universal box, 5 in. B.S.F.			3	8	0		10	8			12				
120453 FB.105140 FB.105140 FB.1051540 FB.35234 FB.105154/2 FB.105154/2 FB.105154/2 FB.105154/2 FB.66075 FB.66070 FB.66070 FB.57387/2 FB.57389 FB.57389 FB.57389 FB.57385 FB.5			Extractor, for distance piece			9	1	2	2		2							
120453 FB.105140 Spanner, tube, for auxiliary driveshaft x x 1 4 3 1 4 3 3 2 6 5 4	54450	FB.57389		X	A	2	*	-	-		-				1			
13090 FB.35234 Spanner, box, 4 B.A. (for tachometer x x 1 4 3 2 4 3 3 2 6 5 4	190453	FR 105140	Spanner tube for auxiliary driveshaft	x	. x	1	4	3	1	4	3	3	2	6	5	4		
120301 FB.35234 Spanner, box, 4 B.8. (for tachometer x x x x x x x x x x	120400	13.100140	nut.		1							0	0		1	4		
120301 FB.105154/2 Spanner, for starter nuts	13090	FB.35234	Spanner, box, 4 B.A. (for tachometer	X	X	1	4	3	2	4	3	3	2	9	9	4	2	
120301 FB.103154/2 Spanner, for starter huss	0.00.00	***********		-	-	9	4	2	2	5	4	4	2	6	5	4	Also used for two re-	
Table FB.66075 Extractor, for starter jaw	120301	FB.105154/2	Spanner, for starter nuts	Α	1	-			-			100					taining nuts at top	0
Tools, for pump drive bush :	100													19		0	of rear cover.	1
Tools, for pump drive bush :	120161	FB.66075	Extractor, for starter jaw	X	x		1	1	1	1	1	1	1.34	2	2	1		
Tols FB.66076 Tols FB.66075 Tols FB.66075 Tols FB.66075 Tols FB.66072 Tols Tols FB.66072 Tols FB.66072 Tols Tols			Tools, for pump drive bush :-		13	1								0	9	9		
Section Sect				1 / 13	700										i-			
Tools for Auxiliary drive shaft bear-ing :									4		1 .				î	1 3.		
Tools for Auxiliary drive shaft bearing:						17								1	1	1		
Tools for Auxiliary drive shaft bearing:— Gauge plug											1			3	3	2		
Tools, for magneto inter. lever bush Color Color	04012	1.0.01200		. 7	1		14	1111	1. (1)	T CIVII	Trees to	1100	C real	379.	1000	F 10	XI. IND 54644	
73416 FB.66066 Jig, reaming x x x x x x x x x x x x x x x			ing:	10	1 2	100	19	13	183	1 11		3			1		Use P.D. 14044.	
54028 FB.57385 Reamer x x 54030 FB.66025 Extractor x x 120272 FB.95023 Gague, plug x x 54034 FB.66072 Insertor x x				200		18	100		18	7	16	100	=011	1	1	1		
Tools, for magneto inter. lever bush [1 200	143			13 3	CITA	S.T.	1	13	3	3	2		
54030 FB.66025 Extractor x x x x x x x x x x x x x		EB.57385		1	-		1 3		18				1			13	- '	
120272 FB.95023 Gague, plug x x x x x x x x x x x x x		FB.66025		x	X	1 - 1		-	1					1	1 -	1		
54034 FB.66072 Insertor x x x				X	X			1111	10	1	100	1 2 27 2		1	1	1		
73424 FB.66067 FB.57391 Reamer x x x x x x x x x x x x x								1 3 17	Cor		1200	77 70		1	1	1		
54035 FB.57391 Reamer x x												1		3	3	2		0
3	54035	FB.57391	Reamer	X	X				1	1711	MALL Y	VICIE						46
		18-				1		6.							1	1		-
			4	1	HARAIT.		1900	2711	1									

	1		ENG	INES	_				ALL	OWA	NCES					
Ref. No.	Part No.	Description			per raft	(Aircra Carrie				al Air tions		Re Ya	pair	20	D 1
			Taurus II	Taurus XII	Squadrons per 6 I.E. Aircraft	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
~ 1		Tools for Use with Rear Cover—contd.											AF	1		V-7/
3428	FB.66073	Tools, for driving shaft bush:— Drift and stand for extracting	x				1 3	3						1 . 3		
3430 3074	FB.66068	Fixture, inserting	X	X				8					1	1	1	
3432	FB.95024 FB.66063	Gauge, plug Jig, reaming	X	x	1 3			n n					1	1	1	
3434	FB.66064	Reamer (complete with auton)	X	X									î	î	1	
8251	FB.66064/4	Reamer (spare)	X	X	1 8								1	1	1	
		Mode for Harmith B							1				3	3	2	
2880	FB.66096	Tools for Use with Front Cover Holder for pump drive shaft			1 3			30	-							
2882	FB.66094	Pliers for removing driven gear circlip	X	X		1	1	1	1	I	1	1	2 3	2 3	1	
	Harris III				8					1	1	1	3	3	2	
-	FB.105170	Tools for Use with Oil Sump Spanner for oil sump nuts	v	x	2	6					1					
			X	Α.	4	0	4	2	6	6	6	4	8	8	6	
2884	FB.71944	Tools for Use with Crankshaft Drift for crankshaft gear														
2886	FB.71947	Drift for bearing inner race (rear)	X	X									2	2 2	2	
2898	FB.72501	Extractor and insertor for hearing	X	X								1	2	2	2 2	
8410	FB.80005	inner race (front).											1	1	1	Required for engine
0110	2.0.0000	Extractor and insertor for bearing inner race (front).	x	X									2	2	2	prior to Mod. E.804 Required for Tauru
	-	(Monte)														II, VI engines sub
2896	FB.71946	Farture of our Con Land							1							sequent to Mod E.804.
2000	12,71040	Extractor for bearing inner race (rear)	X			-			1 (1	1	1	Required for engine
					1	-		0								prior to Mod. E.754

72892 FB.71949 Extractor for reduction gear driving wheel. x x x 1	E.754. Required for Taurus II, VI engines sub- sequent to Mod. E.720. Required for early
T2900 FB.71939 Holder for reduction gear driving wheel x x x 1 1 1 1 1 1 1	Required for Taurus II, VI engines sub- sequent to Mod. E.720.
72902 FB.71938 Key for oil jet x x x x 1 1 1 1 1 1	Required for Taurus II, VI engines sub- sequent to Mod. E.720.
72912 FB.72511 Spanner for front bearing retaining nut x x 1 1 1 1 1 2 2	type Taurus XII, XVI engines fitted with nut F.B.S.191.
120119 FB.97346 Spanner for front bearing retaining nut	Required for early type Taurus XII, XVI engines fitted
87980 FB.71911 Spanner for bearing retaining nut x x 3 2 1 1 1 1 1 1 2 2 3 2 3 1 1 1 2 3 2 3 3 2 3 3 3 3	with nut F.B.S.187. Required for Taurus II, VI engines prior to Mod. E.736.
Spanner for crankpin oil plug (use x x FB.79992 in crankcase section).	Required for Taurus II, VI engines sub- sequent to Mod. E.736.
72910 FB.72514 Spanner for crankshaft plug x	1 2
72962 FB.72515 Tool for assembling bearing on x x 1 1 1 1 1 1 1 2 2	1
72964 FB.72516 Tool for dismantling bearing on x x 2 1 1 2 1 1 2 2 reduction gear driving wheel.	2
87893 FB.87063 Wrench for turning engine x x 1 1 1 1 1 1 2 2 2	2

		The second second	ENG	INES					ALL	OWAN	ICES			1		
Ref.	Part No.	Description	LING		per	C	ircra arrie	ft	+		al Air			pair	90	Remarks
			Taurus II	Taurus XII	Squadrons per 6 I.E. Aircraft	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		(17)
	In the	Tools for Use with Crankshaft—contd. Disc, timing, for engine group, comprising:—													a T	11 17 17 1
72888 72890	FB.72509 FB.66078	Disc	X	x		1	1	1	1	1	1	1	2	2	2	The state of the s
12000	F.D.00078	Pointer Stand, for assembling crankshaft group,	X	X		1	1	1	1	1	1	î	2 2	2	2	TAL BOOK & TO
72914 120082	FB.71901 FB.97230	comprising:— Bolts, lifting (4 per set) Bracket, clamping, for connecting rods	x x	X X									Sets 3 2	Sets 3 2	Sets	Existing stocks of
120083	FB.97231	Bracket, clamping, for connecting rods	x	x					1				2	2	2	FB.71907 may be supplied in lieu. Existing stocks of FB.71905 may be
72916	FB.66100	Fixture	X									- 1	,			supplied in lieu.
88411	FB.84395	Fixture	x							4			*	1	1	For engines prior to Mod. E.720.
120084	FB.97229	Eivture		x						14			1	1	1	For engines subsequent to Mod. E.720.
72920 72924	FB.71902	Ring, adaptor	x	X					- 1				1	1	1	
72926	FB.66098 FB.66097	Stand	x x	x x								*	1 2	1 2	1 2	
72928	FB.71931	Tools used in Conjunction with Stand for Assembling Crankshaft. Bar, alignment										*				
72930	FB.71932	Bar, alignment	X	X		1 4	- 1		1 "		7	-	2 2	2 9	1	

72932 72938 72934 74012 72936 74016 72942 72944 77996	FB.71933 FB.71919 FB.71928 FB.97232 FB.71929 FB.97233 FB.71910 FB.72508 FB.72556 FB.72556 FB.72556 FB.71934/2 FB.71934/2	Bar, alignment Extractor for front and rear crankshafts Expander, Maneton (front) Expander, Maneton (front) Expander, Maneton (rear) Expander, Maneton (rear) Gauge, length, for stretch of Maneton bolt. Pilot, for crankshaft centre Pilot, for crankshaft centre Post, indicator, for crankshaft (front) Post, indicator, for crankshaft (rear) Spanner (complete), for crankshaft bolt (front). Spanner (spare insert for above) Spanner, for crankshaft bolt (front),	x x x x x x x x x x x x x	X X X		Carrie and the same						TOTAL STATE	2 1 3 1 3 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	For engines prior to Mod. E.736. Required for Taurus II, VI, engines subsequent to Mod. E.736.
		Gauge, length, for stretch of Maneton	X	Y									1	ī	1	J. Carrier W.
72944	FB.72508		X						-				1	1	1	Mod. E.736.
77996	FB.79934	Pilot, for crankshaft centre	x	X	-						F		1	1	1	II, VI, engines
	11- 1							-								
72946		Post, indicator, for crankshaft (front)											1	1	1	
		Post, indicator, for crankshaft (rear)		1	1	10						- 1	1	1	1	
72952	FB.71934/2	(front).								9				-		
72953		Spanner (spare insert for above)	X			10	1 6	10	7		- 10		1	1	-	
	2/0	group, comprising :	1	2	-	1				-				2		٠. ۵
74003	FB.97234	Holder		X							- 0		2 2	2 2 2 1	2	-
74004	FB.97235	Holder		X		1							2 2	2 2	2 2	
74005	FB.97236	Spanner		X					-	7	110		1	1	ī	
72954	FB.72507	Spanner (complete) for crankshaft bolt (rear).	X										1	,1		
	FB.72507/6	Spanner (spare insert for above) Spanner for crankshaft bolt (rear)	X		1								1	1,	I	
		group, comprising :—	-			1	-	17/		L. Janes			100	1 march	1112	
74013	FB.97237	Holder		X		18	13	120				-	2	2	2	
74014	FB.97238	Spanner		X	100		100	33		1		1 11 7	2	2	2	
72950	FB.77566	Spanner for retaining bolt nut (2 per	X	X				IBS		Lty I		000	4	4	2	
	The second second	set).	1	1 3		1 = 1		13				2 17 1	2	2	1	
72956	FB.72513	Steady, for crankshaft centre	1 30	X	1			1- 7		1-		1	ĩ	Ĩ.	i	-
72958	FB.72510	Steady, for assembling shaft		X		35		1					-	-	2	E/mortison
	ar e	Tool for assembling bearing sleeve, group, comprising:—			13		1				the street					N 100 100 100 100 100 100 100 100 100 10
88201	FB.84396	Plate, locating	X	x	1	110	1		1	1	11 70		2	2	1	Required for Taurus II,
00201	12010100	and the same	1	150									1 3			VI engines subsequent to Model E.800.
	I was to	A Section of the sect	1	1	10			1		01. 1	10,7		2	2	1	to Model E.Soo.
72960	FB.71936	Tool, assembling	X	X	1		1-	1					-	-	1	
			1000	100	1-11	11013	1.2.		THIS							

	74		ENG	INES		1			ALL	OWAN	ICES						-
Ref. No.	Part No.	Description			per raft		lirera arrie			Nav Sta	al Air tions			pair			
(1)	(2)	(0)	Taurus 11	Taurus XII	Squadrons per 6 I.E. Aircraft	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class -A	Class B	Repair Ships	Remarks	
		(3) Tools for Use with Crankshaft—contd.	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
2940	FB.71935/2	Tools for crankshaft bush :-	x	x									2	2	1		
3436 3438 0277	FB.72506 FB.72503	Extractor Fixture, reaming	X X	X		1	1	1	1	1	1	1	2	2	2	_	
440	FB.95027 FB.72504	Gauge, plug Holder for reamer	X X	X		2	1	1	1 2	1 2	1 1	1 1	1 3	1 2	1 2	-	
3442 3444	FB.72669 FB.72505	Reamer	X X	X X		3	2	1 2	3	3	1 2	1 2	1 4	1 4	1 3	-	
968 970	FB.65999	Tools for Use with Connecting Rod Drift for inserting artic rod pin	X	X		1	1	1	1	1	1	1	1	1	1		
972	FB.66000 FB.65932	Jig for drifting out artic rod pin	X X	X X									3 3	2 2	2 2	-	
976	FB.72522	Pliers for removing artic rod pin circlip	x	X .									2	1	1	Use FB.66094 in front	
978	FB.72521	Tool for assembling artic rod pin circlip. Tool for compressing oil retainer	x	x									4	3	3	cover section.	
774	FB.74621	springs.	X										1	1	1		
	-	Tool for compressing oil retainer springs. Tools for Use with Piston		x									2	2	1		
60	FB.65990 FB.57411	Clip for piston and cylinder head rings Pliers for removing gudgeon pin circlip	x	x	1	3	2	2.	4	3	3	0	-				
318	FB.65992	Tool, inserting, for gudgeon pin circlip	X X	X X	1 1	4 3	2 3 2	2 2 2	5 4	4 3	4 3	2 3 2	5 6 5	5	3		
1	1						E					-	9	4	3		

		Tools for Use with Cylinders and Sleeves		1 3	1 3										1		
72512	FB.69551	Spanner for exhaust snout nut	x	x	3	6	#	0	0	0	0 -	1 4	100				
54054	FB.46045/2	Spanner for sparking plug	X	X	6	12	5	3	8 12	8	6 12	8	12 15	10 15	8		
120457	FB.105191	Spanner for relief valve body	X	X	1	3	8 2 4	6 2 3	4	3	3	8	5	5	12		
53220	FB.65993	Hook for locking plate	x	x	î	6	4	3	6	6	6	3	10	8	6		
72622	FB.65994	Holder for cylinder sleeve (for use when	x	x	î	2	2	2	3	2	2	2	6	6	4		
1		tightening sleeve ball housing nuts).		7.5		1				-	~	~		0	*		
54258	FB.57296	Indicator, piston, top dead centre	x	x	1	6	1	1 4	2 12	2 10	1	1	3	3	2		
54272	FB.57409	Pilot for cylinder sleeve	x	x	2	6	4	4	12	10	10	6	. 18	18	12		
	100	Spanners for cylinder and cylinder				100				50	7 1			7			
98086	FB.90121	head nuts, comprising :-		1 2	4				2	3				1 2 1			
96088	FB.90121 FB.90125	Adaptor, ratchet	X	X	1	4	3	2	6	. 5	5	3	8	6	5		
98090	FB.90130	Fixture, torque testing, for wrench Handle for spanner (for slackening	x	X	1 2	1	1 3	2	1	1	1	1	2	2	2		
50050	ED.50150	nuts).	X	x	2	4	3	2	6	5	5	.3	8	6	5		
92450	FB.90120/2	Spanner for cylinder nuts (extended)	x	x	2	4	3	2	6	5	5	3	10	8	6		
98096	FB.90132	Spanner for cylinder nuts	X	x	2	4	4	2	6	5	5	3	10	8	6		
98098	FB.90124	Spanner for cylinder head nuts	X	x	2	4	3	2	6	5	5	3	10	8	6	Use only for running down	
									-				1.0		0	nuts.	
98100	FB.90119	Wrench, "Sunnen" tension	x	X	1	4	3	2	6	5	5	3	8	6	5		42
53232	FB.57293	Spanner for induction belt bolts	X	X	2	4	3	2	6	5	5	3	10	8	6		33
120150	FB.97252	Spanner, flexible	X	X	1	3	2 3	1	4	3	3	2 2	6	5	4		-
54276	FB.46049	Spanner for sleeve ball housing nuts	X	X	1	4	3	2	5	4	4	2	8	8	6	10-1	
120290 72638	FB.97333 FB.65987	Spanner for 2 B.A. nut in locking plate	X	X	2	4	3	2	6	- 5	5	3	10	8	6		
87832	FB.79940	Tool, assembly, for cylinder Tool for assembling and removing	X	X	1	3 3	3 2 2	2 2 2 2	4	4	3	2	5	4	4	A CONTRACTOR OF THE PARTY OF TH	
01002	F D. 19940	cylinder head ring.	X	X	1	3	2	2	4	4	3	2	6	6	4		
72640	FB.72611	Tool, for removing sleeve contracting	x	x	1-	2	2	1	3	2	2	1	5	1	0		
	23,72011	ring.			1	-	-	1	0	2	2	1	9	4	3		
53802	FB.72580	Gauge, 14 mm. thread, for spark plug	x	X	1	2	2	1	2	2	2	1	4	3	2		
		adaptor.			1		-		-	~	-	1	-	0	-		
53804	FB.57424	Tap, 14 mm., for spark plug adaptor	X	x	3	10	8	4	10	10	10	6	12	12	12		
				1 3		1	1 5			1	-			6		-	
10055	TID 00410	Tools for Use with Magneto and Drive		130	1						3						
10675	FB.38410	Spanner for magneto driving drum	X	X	1	1	1	1	1	1	1	1	2	2	2		
		Tool to advance magneto when timing					1			-			1				
54440	FB.57315	group, comprising :— Expander (2 per set)		x	2	6	1	9	a	1	1	- 00	0	0	0		
54446	FB.57314	Snannan	X	X	1	3	4 2	2	6 3	4 2	2	2	8	8	6 3		2
01110	2.0.01023	Spanner	A	Δ.		0	-	1	0	2	2	1	4	4	3		2461
-	-		-	-	-	-	-	-	-		-			,			H

No. Part No. Description				ENG	INES	-		-		ALL	OWAN	NCES	1	1				
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) Tools for Use with Magneto and Drive —contd. Holder, for sliding spindle x x x x x x x x x x x x x x x	Ref.	Part No.	Description			per raft	. A									sd	Pomorks	
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (18) (19) (19) (19) (18) (19) (19) (19) (19) (19) (19) (19) (19			100-	Taurus II	Taurus XI	Squadrons 6 I.E. Airca	Fleet and Light Fleet	Escort	Merchant				D and		Class B	Repair Ship	Remarks	
	(1)	(2)	(3)	(4)	(5)	(6)		_	(8)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
FB.72537 Holder for magneto driving drum x x x x x x x x x	2980	FB.72538/2	—contd.	x	х							o luiso		2	2	2	Existing stocks	of F.B.
Prising:— Device timing x x 1 3 2 1 3 2 2 2 4 3 2 Existing stocks of F.B. 65988/2 FB.65988/2 Pointer x x 1 3 2 1 3 2 2 2 4 3 2 Tools for Use with High Tension Wires Spanner, for spark plug elbow x x 3 6 4 4 8 6 6 6 4 12 12 8 Tools for Use with Oil Pump Key, adjusting, for relief valve x x 1 6 4 2 8 6 6 6 4 10 8 6 Spanner, for relief valve locknut x x 1 6 4 2 8 6 6 6 4 10 8 6 Spanner, for relief valve locknut x x 1 6 4 2 8 6 6 6 4 10 8 6	2982 2777		Spanner for sliding spindle retaining nut.											2 3	2 3	2 2	72538 may be in lieu.	supplied
644 FB.65996 Pointer x x 1 3 2 1 3 2 2 2 4 3 2 Tools for Use with High Tension Wires Spanner, for spark plug elbow x x 3 6 4 4 8 6 6 6 4 12 12 8 Tools for Use with Oil Pump Key, adjusting, for relief valve x x 1 6 4 2 8 6 6 6 4 10 8 6 Spanner, for relief valve locknut x x 1 6 4 2 8 6 6 6 4 10 8 6	3236	FB.65988/2	prising:—		X	1	3	2	1	3	2	2	2	4	3	2	65988 can be	modified
003 FB.92635/3 Spanner, for spark plug elbow x x 3 6 4 4 8 6 6 6 4 12 12 8 Tools for Use with Oil Pump Key, adjusting, for relief valve x x 1 6 4 2 8 6 6 6 4 10 8 6 Spanner, for relief valve locknut x x 1 6 4 2 8 6 6 6 4 10 8 6	644	FB.65996	Pointer	X	x	1	3	2	1	3	2	2	2	4	3	2		require-
521 FB.36776 Key, adjusting, for relief valve x x 1 6 4 2 8 6 6 6 4 10 8 6 523 FB.36775 Spanner, for relief valve locknut x x 1 6 4 2 8 6 6 6 4 10 8 6	003	FB.92635/3	Tools for Use with High Tension Wires Spanner, for spark plug elbow	x	x	3	6	4	4	8	6	6	4	12	12	8		
984 FB.72539 Extractor, for oil pump x x 1 2 1 1 3 2 2 1 3 2 2 9 986 FB.72540 Spanner, for pipe connection x x 1 3 2 1 4 3 3 2 5 4 3	521		Key, adjusting, for relief valve			1			2									
	984 986	FB.72539	Extractor, for oil pump	X	X	1	2	1	1	3	6 2 3	6 2 3	1	3	2	2	-	

	DESCRIPTION	Tools for Use with Supercharger				1	1	1	1	1			0	6	0.1		
72988	FB.72543	Drift and stand, for assembling impellor and distance piece to impellor shaft.	X	X						-			2	2	2		
78042	FB.79939 ·	Drift, for inserting oil tube in main	x	x				-					3	2	2		
78044	FB.77663	driving shaft. Extractor, for oil tube in main driving						-		Ì		- 1	2	2	9		
78044	P D.77003	shaft.	X	X			. +			-	1			1	-		
72990	FB.72544	Extractor, for intermediate pinion	X	x				43			-		2	2	2		
		spindle. Fixture, for checking end wobble on							11 1) F= 1			
		impellor group, comprising :-											0	0	0		
63879 63904	FB.66080 FB.66039	Blocks (2 per set) Fixture	X	X	-		11						2	1	2 1		
OBOUX	1 15.00035	Gauge, for checking clearance between	*	-	1									4			
		impellor and volute casing group, comprising:—	4	-									1 3				
72996	FB.72541	Gauge	x	x	-)		M-1		1	1	1		
	FB.72542	Gauge	x	X	1		- 1	1					1	1	1		
8395	FB.20779	Pincers, for assembling spring drive	x	X		1 8							3	2	2	Common also to Pegasus	
00001	DD FFAOR	springs. Pliers, for oil tube circlip	x	x								-	3	2	2	and Mercury.	35
32004	FB.57285	Spanner, for front and rear impellor	A	7											1		
manna	TID FOR 40	shaft nuts group, comprising :-		1									2	2	2		
72998 73000	FB.72549 FB.72548	Holder, for shaft Spanner, holder, for shaft	X	X		-							3	3	2		
29412	FB.51168	Spanner, for nut	X	X									6	5	-5	Common also to Pegasus and Mercury.	
73004	FB.72546	Spindle, for checking end float on inter	x	x				1	Larry			July 1	2	2	1	and Mercury	
1 10000		gear assembly.	1	1	-	1-3/		3			-		-				
		Fixture for lapping clutch blocks group, comprising:	15		1			7 9					1 3		1 8		
73450	FB.66050	Adaptor	X	X		1-3					1 -		2 2	1	1		
73452 54060	FB.66055 FB.66048	Driver Fixture	X	X	NE		-				1		2	1	î	Townson or the second	
01000	12.000		1		1/4				1								-
72604	FB.65997	Tools for Use with Reduction Gear Wrench, for turning engine	x	X	1	3	2	1	4	3	3	2	5.	4	3	1 - 3	4
88409	FB.87073	Base for oil retainer cover for removing	X	X		1	1	1	1	1	1	1	2	2	2	//	100
98160	FB.87074	oil retainer. Drift, for removing oil retainer	X	X		1	1	1	1	1	1	. 1	2	2	2		2461
90100	1.0.01014	District Controlling out towards	1	da"	100	10	19.0		100		1	1	1		1	_	H
-																	

			ENG	INES	-	_		A	LLOW	ANCI	ES					
Ref.	Part No.	Description			2.22	Aircraft Carriers		Naval A Stations					Repair Yards		3	
No.			Taurus II	Taurus XII	Squadrons per 6 I.E. Aircraft	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class	Class D and E	Class A	Class B	Repair Ships	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	- (17)
		Tools for Use with Reduction Gear-	-	4												
72806 72804 72808 72812 77864	FB.72573 FB.72571 FB.72570 FB.72559	contd. Drift, for airscrew shaft front bearing Drift, for bevel gear thrust bearing Drift, for bevel pinion thrust bearing Extractor, for bevel pinion thrust bearing Extractor, for oil seal housing	x x x x	X X X X X			V				*		2 2 2 2	2 2 2 2	2 2 2 2	4
2810	FB.72560	Extractor for rear bevel gear Fixture, for checking backlash group, comprising:—	X	x									2 2	2 2	2	cond - type
2816 2818 2820 2822	FB.72565 FB.72561 FB.79942 FB.72562	Bush, for adaptor Fixture Gauge, pressure, and adaptor Ring, adaptor	X X X	x x x						+ 3			1 1 1	1 1 1	1 1 1	
2824	FB.72572	Gauge, depth (face of reduction gear case to rear bevel gear).	X	X	30.	1	1	1	1	1	1	1	1 2	1 2	1 2	
2826 8184	FB.72575 FB.87075	Holder for stationary gear Pilot, for assembling oil retainer cover Pliers, for retaining ring	x x x	x x x		1	1	1	1	1	1	1	1 2	1 2	1 2	Use F.B.35228 in crank-
0226	FB.97269	Ring, distance, for assembling stationary gear.	x	x									2	2	2	case section.
670	FB.35171	Spanner, for bevel pinion nut	x	X				-				*	3	2	2	Common also to Pegasus
2830	FB.72557	Spanner, for retaining nut	x	x							-	-	3	2	2	and Mercury.

72832	FB.72558	Spanner, for thrust nut	x	x									1	1	1	to Mod. E.676.	
98190	FB.79972	Spanner, for thrust nut	x	x	1								3	2	2	Required for engines sub- sequent to Mod. E.676.	
63732	FB.71940	Stand, for reduction gear	x	x			11/4						2	1	1	sequent to mod. 2.070.	
72836	FB.72576	Stand, for reduction gear	x	x	1								2 2	1	1		
72838	FB.72577	Tool for assembling front bearing,	x	x									2	1	1		
		stationary gear and oil seal housing on airscrew shaft.				1 - 1											
		Tool for extracting airscrew shaft from															
		front bearing and reduction gear case												0 1			
70040	TD Tores	Group comprising :—	-	-									2	1	1		
72840 72842	FB.72569 FB.72578	Extractor Pedestal for reduction gear case	X	X			N X		- 1				2	î	î		
12012	FD.12010	Tool, for inserting oil retainer in oil re-	-	-		1							100				
manual I		tainer cover, Group comprising:-		1		177	13			14							
98208	FB.79973	Base	X	X		1	1	1	1	1	1	1	2	2	2 2		
98210 88403	FB.79974 FB.79975	Drift Ring, locating	x	X		1	1	ī	1	i	1	1	2 2 2	2 2 2 1	2		
74017	FB.80088	Fixture for extracting bevel pinion bush	X	X		1	-		-		1	-	1	1	1		
24225	2 20100000	Fixture for inserting bevel pinion bush,		1								100			1		37
	COLUMN TO THE REAL PROPERTY.	Group, comprising :-							9					1	1		1
74007	FB.80081	Adaptor	X	X			4	1				13	1	1	1		
88206 29708	FB.80074 FB.80082	Base	X	x				10.3				13	2	2	2		
120014	FB.80085	Gauge, plug, for bevel pinion bush	X	x									1	1	1		
		Reaming jig, for bevel pinion bush,		1				1						1			
20070	****	Group, comprising :-		1			11115	l mi	Topic		11100		1	1	1		
69352 88214	FB.77550 FB.80023	Jig, reaming Ring, clamping	X	X				1.149				17 9	î	1	î		
74002	FB.80019	Ring, locating	x	x				(2.7)			1		1	1	1	1.00	
69354	FB.65912	Reamer, expanding	X	x		1 3					1000	-	3	2	2		
		m 1 4 77 '21 4 71 D.										1 35					
73006	FB.72594	Tools for Use with Auxiliary Drive Drift and stand, for auxiliary drive shaft	x	x								1	1	1	1		
73008	FB.72597	Holder, for auxiliary drive shaft	X	x				1		1	100		2	1	1		
,,,,,,	22112001	Insertor and extractor for ball bearing					1	11		5,004			1	1		-	
		and "Gits" oil seal, Group	100	11.0		1	100			1							
70010	ED #4001	comprising :-	~	-		1	1	1	1	1	1	-1	2	2	1		2
73010	FB.74631 FB.72595	Bush Insertor and extractor	X	X	1	Î	î	î	î	î	î	î	2	2	1	-	2461
	20.12000	The state of the s			100	1		P					1		1		7
-			-			1			-								

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			ENG	INES					AL	LOWA	NCES	}			-		161
Ref.	Part No.	Description			per raft	(Airera Carrie			Nava Stat				pair	bs	Remarks	
140.			Taurus II	Taurus XII	Squadrons per 6 I.E. Aircraft	Fleet and Light Fleet	Escort	Merchant	Class A	Class B	Class C	Class D and E	Class A	Class B	Repair Ships	TOTALES	
(1)	(2)	(3)	(4)	(5)	(6)		(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
54078 73458 54082 54084 54088 54090 93114	FB.72671 FB.72668 FB.66028 FB.66029 FB.66035 FB.66036 FB.95025	Tools for Use with Oil and Petrol Pump Drive Tools for pump drive housing bush:— Extractor Fixture, inserting Gauge, plug Jig, reaming Reamer Tools for Layshaft housing bush:— Extractor Fixture, inserting Gauge, plug Jig, reaming	x x x x x x	x x x x x x x x x x x x x x x x x x x									1 1 3 1 1 1 1	1 1 3 1 1 1	1 1 2 1 1 1	Use F.B.74644 in rear cover section. Use FB.66063 in rear	
73466	FB.66065	Reamer	x	x									3	3	2	cover section.	
53250 53252 72656 53256	FB.74760 FB.65928 FB.74762 FB.74759	Tools for Use with Accessory Gear Box Tools for lining up gear box with drive on engine group, comprising: Adaptor (for drive on engine) Fixture, alignment Mounting, adaptor (engine substitute) Spigot (for gear box)	x x x x	x x x x	1 1 1 1 1	2 2 2 2	1 1 1 1 1	1 1 1 1 1	2 2 2 2 2	2 2 2 2	2 2 2 2 2	1 1 1	3 3 3 3	3 3 3 3	2 2 2 2		

(% 8017 4400) F4050	FB.19160	Gun, oil, "Enots"	x	x	1	3	2	2	6	6	6	2	12	10	8	Common also to Pegasus and Mercury.
8 54050 10530 10518 91 10520 10522 10522 10524 10528 2156 120287 2132 10506	FB.63076 FB.26407 FB.26464 FB.26463 FB.26461 FB.26460 FB.26459 FB.5427 FB.97332 FB.2319 FB.26456	Spanner, Universal box, 2 B.A Spanner, box, ½ in. B.S.F Spanner, 2 B.A. × 4 B.A Spanner, ½ in. × ½ in. B.S.F Spanner, box, 2 B.A. × ½ in. B.S.F. Sorew driver, for Jubilee clips Bar, tommy, ½ in. diameter Bar, tommy, ½ in. diameter Pilot, for engine bearer bolt (4 per set)	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	6 6 6 6 6 3 3 6 6 6 6 6 8 8 8 8 8 1	12 12 12 12 12 12 6 6 6 12 12 12 12 12 12	8 8 8 8 8 4 4 8 8 8 8 8 8 8 8 8	6 6 6 6 6 6 6 6 6 6 8 8 8 8	15 15 15 15 16 10 10 10 15 15 15 15 15 4	15 15 15 15 15 10 10 10 15 15 15 15 15 4	15 15 15 15 10 10 10 15 15 15 15 15 4	8 8 8 8 8 4 4 4 8 8 8 8	30 30 30 30 30 20 20 20 30 30 30 30 8ets 6	24 24 24 24 15 15 15 24 24 24 24 26 Sets 6	20 -20 18 18 18 12 12 12 12 18 18 20 20 Sets 5	Common also to Pegasus and Mercury. Common also to Pegasus and Mercury.