

SECTION 1

TOOLS AND EQUIPMENT

1. In this section standard tools which are in general use on all engines are not referred to, although the necessary selection is included in the Flight Servicing Kit.
2. In most instances the method of using the special tools does not require explanation. Where information is considered necessary, it is included in the appropriate chapter.

Component and application	Tool	Part No.	Ref.No.
<u>Acceleration control unit</u>			
Adjusting pressure drop section (Mk.109, pre-Mod.5326)	Spanner, adjusting	BA.67127	64VV/735
(Mk.115, 121, 122, pre-Mod.5326)		GT.6972	64VV/2513
Adjusting pressure drop section (Mod.5326)	Assembly, 'Tee' spanner	AK.368	64VV/1193
<u>Combined fuel control unit</u>			
Drain b.p.c. unit	Spanner, ring serrated	GT.4868	64VV/2957
Adjust ground idling valve	Spanner, adjusting	GT.6973	64VV/2514
Adjust b.p.c. clicker (Mod.5327)	Spanner, special	GT.10108	64VV/3053
<u>Starter fairing</u>			
Setscrews, adjacent to l.h. hinge bracket, starter fairing retaining (Mk.109)	Spanner, ring extension	AK.195	64VV/739
	Extension bar	AK.18 or Ak.27	-
	Ratchet handle	AK.5 or AK.194	64JJ/127
<u>High-energy igniters</u>			
H.E. igniter plug	Socket	AK.166 or AK.142	IL/164
<u>Fuel pumps</u>			
Nuts, retaining fuel pump	Spanner, ring	AK.628	64VV/2230
Setscrews, retaining fuel pumps	Socket	AK.157 or AK.167	64VV/2546
	Extension bar	AK.16 or AK.25	1L/160
	Ratchet handle	AK.5 or AK.194	64VV/127

Component and application	Tool	Part No.	Ref.No.
Bleed air from fuel system	Tool,air bleed Tubing,transparent plastic,90 in.long	AK.889 UT.121	64VV/2805 64AE/36
<u>Tachometer generator</u>			
Setscrews,securing tachometer generator	Spanner,ring	AK.628	64VV/2230
<u>Electrical harness junction box</u>			
Adapter,breeze plug,size 'A'	Spanner,box	GT.9047	64VV/2689
Adapter,breeze plug,size 'C' (Mk.109)	Spanner,box	GT.9048	64VV/2691
Adapter,breeze plug,size 'Z'	Spanner,box	GT.9049	64VV/2690
Nuts,breeze plugs (Mk.109)	Spanner,jaw,6 B.A. x 7 B.A.	D.39651	-
<u>Intake guide vane ram</u>			
I.G.V. ram orifice adjustment	Spanner,adjusting	GT.6969	64VV/2510
Setting i.g.v. ram	Pointer,spring clip	GT.6975	64VV/2272
<u>Starter drive</u>			
Gearwheel,driving epicyclic train, from starter drive	Tool,dogging Extractor	HW.18699 HW.20720	64VV/919 64VV/734
<u>Auxiliary gearbox</u>			
Auxiliary gearbox driveshaft coupling (Mk.115,121,122)	Spanner, Tool,holding	AK.299 AK.300	64VV/3138 64VV/3139
<u>Turbo-starter (triple-breech)</u>			
Starter breeches - testing starting circuit	Dummy breech caps	GT.6652	37F/12034
Remove carbon deposit from breech barrel	Assembly,wire brush	AK.403	37F/12032
<u>Low pressure turbine wheel</u>			
Locking plate	Extractor	HW.23275	64VV/1121
Retaining nut	Extension socket	HW.14078	64VV/481
	Hand wrench	HB.47909	64VV/6070053
	10: 1 reduction unit	HC.10	64VV/630
	Torque wrench	1703029	NIV
L.P. turbine wheel	Dogging fixture	HW.14077	64VV/480
	Extractor	HW.20729	64VV/633

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Component and application	Tool	Part No.	Ref.No.
<u>Starter drive</u>			
Housing - remove	Extractor	HW.37007	64VV/2150
Nut retaining coupling assembly - Remove/fit	Spanner	GT.8685	64VV/2806
Cupwasher - Lock	Special punch	HW.13656	64VV/391
Spring drive assembly from compressor shaft	Withdrawing tool	HW.14692	64VV/256
Adjust washer - Remove	Withdrawing tool	HW.14596	64VV/248
Internal nut - Retaining outer spring drive shaft	Spanner	HW.14582	64VV/247
<u>Front bearing housing</u>			
Front bearing housing - Remove/fit	Dummy front bearing housing Adaptor	HW.30117	64VV/1639
	Protective cover	HW.33099	64VV/3079
Remove dowels	Extractor	HW.29110	64VV/1640
	Spanner - Jaw extension *	HW.18677	64VV/791
	Spanner - Jaw extension *	D.33770/1	64VV/6070048
	Torque wrench	D.33771/1	64VV/6070049
	Adaptor	1703080	64SY/18
		AK.137	64Q/469
<u>Top-half compressor casing</u>			
Top-half compressor casing	Nut tightening template - Starboard	HW.16494	64VV/922
	Nut tightening template - Port	HW.16495	64VV/923
Remove dowels	Extractor	GT.6285	64VV/3062
	Spanner - Jaw extension	D.33291/1	64VV/6070046
	Eye slinging	BA.895	64VV/209

* Also used for top-half compressor casing



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