1. DO NOT SCALE DRAWING
2. ENGLISH PROJECTION IS USED UNLESS OTHERWISE STATED.
3. TOLERANCES ON DIMENSIONS ARE + OR − .01" UNLESS OTHERWISS STATED.
4. IF IN DOUBT ABOUT THIS DRAWING, RING DRAWING OFFICE BEFORE COMMENCING OPERATIONS.

ITEM 60 IS SUPPLIED BY DE-HAVILLANDS LOCKED WITH EXISTING BOLTS & SPRING WASHERS

SEE DETAIL A

111 / 110 TACH. DRIVE

10 · 53 OR 1 · 102 60 OR 31 · 5 · 3 Post Mod 2640 · 119 PREMOD 2640 · 20

ENGINE THRUST LINE

35 · 66 · ·04" (REF) · FUSE. DATUM

97 · 86

42 · 94 · 101 · 18

SEE DETAIL J OIL PRESSURE GAUGE UNION

108 107 79 106 TO BE DRILLED, NO.80 MORSE IN POSITION ON ASSY.

+85 · 35 · +8

SEE DETAIL D

SEE DETAIL E

+117 118 PRE MOD 2640

40 · 39 · 37 SUPPLIED WITH ENGINE

SEE DETAIL B

61

+6 · +17 · 84 · 7 · 59 · 58 · 80 · 80 · 57 · 65 · 54 · 51 · 48 ATTACHED TO LUG ON ENGINE WITH CLIP FIXED WITH ITEMS AS IN DETAIL K

52 · 50 · 47

28

109 · 104 · 105

SECTION H-H SHOWING CONNECTION OF OIL PRESSURE GAUGE PIPE TO ENGINE.

66 · 35 · 103 · 85+ · 35 · 16+

H H

12 · 66 · 35

'V'

52 50 82 47 81 · 66 · 35 · +15 · 13

SEE DETAIL K

NOTE: ALL ENGINES OTHER THAN THOSE FITTED FOR KINGSFORD SMITH A/C. TO BE MODIFIED TO FIT DOUBLE SCAVENGE PUMP.

SEE DETAIL Q

2 · 4 · 9

G · G

SEE DETAIL M

29

SEE DETAILS N & P FOR THROTTLE & MIXTURE CONTROL CONNECTIONS.

26 · 43 2 OFF PER BOLT. · 44

67 68 69 70

114 · 11 · 33 32 · 14

SUPPLIED WITH ENGINE · 38 · 64 · 21 · 19

30 BONDING STRIP BETWEEN CAP RETAINING BOLT ON ENGINE MTG. & BEARER ARM FIXING BOLT AT ENGINE (PORT & STBD. SIDES).

DETAIL A

SUPPLIED WITH ENGINE · 41 38 36 · 22

DETAIL B SHOWING ATTACHMENT OF IGNITION WIRE TO FRONT INDUCTION MANIFOLD FIXING.

55 · 43 · 51 · 54

DETAIL E SHOWING SECTION THROUGH FIXING.

WHEN THE ENGINE IS INSTALLED A CLEARANCE OF APPROX. ·03" TO ·04" SHOULD BE LEFT BETWEEN THE TOP EDGE OF THE RUBBER BLOCK AND THE HOUSING CAP WHEN THE LATTER IS BOLTED RIGHT DOWN.
IN ORDER TO OBTAIN THIS CLEARANCE IT IS PERMISSIBLE TO USE SUITABLE SHIMS, ITEM 46.

55 · 43 · 51 · 54

95 25 43 51 54 · 116 REF BRKT ON REAR BAFFLE · 96 REF PUMPS TO CARB. HOSE

DETAIL D SHOWING SECTION THROUGH FIXING.

DETAIL V

44 43 45 · ITEM 43
1 - UNDER BOLT HEAD
1 - UNDER NUT
2 - BETWEEN BRKT. & MOUNT.
44 43 45

23 PORT · 24 STB'D.

SECTION G-G

NOTE *
THE PART NO DIFFERENCES ONLY APPLY TO SHT 1

NOTE
WIRE LOCK ALL UNIONS WITH ITEM 84 TO LOCKING TABS PROVIDED, OR TO ADJACENT FIXED PART OF THE ENGINE.

2ND. INDUCTION MANIFOLD INLET

52 · 50 · 47 · 27

DETAIL K SHOWING CLIPPING OF BLEED PIPE FROM CARBURETTOR

ITEMS MARKED THUS* ARE REQ'D ONLY FOR A/C PRE MOD 3288

+-ITEMS MARKED THUS ARE NOT TO BE SUPPLIED TO KINGSFORD SMITH A/C.

73 · 79 · 49 · U · 99

72 THROUGH 79 ALL ITEMS

DETAIL N SHOWING CONNECTION OF MIXTURE ROD

101 · 100 · 115 · 98 · 94 · 76

DETAIL P VIEW IN DIRECTION OF ARROW U SHOWING CONNECTION OF THROTTLE CONTROL ROD.

46 82 79 · 34

DETAIL J

70 69 68 67

DETAIL M TYPICAL FIXING OF ENGINE MOUNTING TO FUSELAGE

NO. 46 DRILL FOR SPLIT PIN

◊ ITEMS 31 & 60 ARE ALTERNATIVES

NOTE: CALLED UP ON SHEET 1

56

⊕ ITEMS 1 & 53 ARE ALTERNATIVES.

101 · 42 · 71 · 75 · 74 · 76 77 · 78 · 62 · 42 · 70

DETAIL Q TYPICAL METHOD OF SECURING CROSS BRACE

ONLY REQ'D WHEN SCREENED IGNITION IS FITTED

NOTE: THIS DRG. WILL EVENTUALLY BE SPLIT UP INTO SEPARATE ASSEMBLIES.
SCHEDULE APPLIES TO THIS SHEET ONLY.
NOTE: FOR THE FUEL SYSTEM SEE SHEET 1.

NOTE: BEFORE SECURING RUBBER HOSE JOINTS WITH JUBILEE CLIPS THE HOSE IS TO BE PROTECTED WITH 60 MESH COPPER GAUZE. ALL UNIONS TO BE LOCKED WITH LOCKING WIRE, ITEM 84.

120						
118	AL60713	GA OF ENGINE COWLS	EJF 578	1		
118	TYPE Z	PARKER KALON SCREW NO 4		3		
117	JA138338	OIL COOLER BLANKING PLATE	CJA 1176	1		
116	JA181822	ANGLE BRACKET	AJC 7569	1		
115	K.6014-9	BALL STUD	AKC 186	1		
114	J60854	BLANKING CAP	ATF 504	4		
113						
111	2102-34	FIBRE WASHER		1		
110	1903-8	BLANKING CAP		1		
109	AGS548	WASHERS		2		
108	AGS245/2	SCREW		2		
107	331338	WASHER PLATE	AJC 708	2		
106	731399	BRACKET	AJC 707	1		
105	FA26051	BANJO BOLT (STEEL)		1		
104	J30979	BANJO UNION		1		
103	JA31371	BREATHER PIPE EXTENSION	ATC 543	1		
102	1905-17	JOINT - AIR INTAKE		1		
101	AGS784/3	SPLIT PIN		7		
100	AGS385/C	PLUG		1		
99	JA61205	BALL JOINT ASSY	AJF 635	1		
98	AGS385/A	SOCKET		1		
97	J60195	CRANKCASE BREATHER CONN	CTF 320	1		

PRE MOD 2640 ONLY

ITEM NO	PART NO.	DESCRIPTION	MATERIAL OR DRG. NO	NO. OFF
96	K.72185	CLIP	AKG 235	1
95	731185	CLIP	AJC 535	1
94	AI6Y/ES	SLOTTED NUT		4
93				
92				
91				
90				
89				
88				
87				
86	J30999	OIL PRESSURE PIPE	AJC 598	1
85	K31163	FLAMEPROOF HOSE 3/4"x1/16 I.D. x 40	BAS 502/12/4.	2
84		LOCKING WIRE 22G.	DTD 189	AS REQD.
83				
82	AGS160/B	WASHER		* 5 13
81 *	KA6589	DRAIN PIPE BRACKET	AKF 86	1
80	J60922	NIPPLE	A3F. 520	2
79	AGS800/1/8	ODDIE NUT		9
78	K6606	EYEBOLT	AKF 60	2
77	AI6Y/ETL	NUT		2
76	AI6Y/ET	NUT		4
75	K6656/R	FORK END	AKF 77/R	2
74	K6656/L	FORK END	AKF 77/L	2
73	AGS249-22	SCREW		2
72		BOLT	AI5Y/84	2
71	K6636	PIN	AKF 74	4
70	AGS784/3N	SPLIT PIN		6
69	AI6Y/GS	NUT SLOTTED		4
68	AGS160/E	WASHER		4
67	AI5Y/8G	BOLT		4
66	K31164	FLAMEPROOF HOSE 5/16"x 3"o	DNS 602/10/2	1
65	K30221	CLIP FOR BLEED PIPE	AKC 135	1
64	800-PN5	NUT		16
63				
62	A27/ES	NUT - SLOTTED		2
61	JA61069	ASSEMBLY - SILENCER	DJF 574	1
60		AIR INTAKE	DH. NO. 1924-9	1
59	JA60917	CARB. HEATER PIPE (TOP HALF)	AJF 516	1
58	KA6589-9	CARB. HEATER PIPE (BOTTOM HALF)	CKF 1034	1
57	KA60647	BLEED PIPE	DKF 210	1
56	730733	BLEDING SCREW & ADAPTOR	ATF 441	2
55	AI6Y/10C	BOLT		4
54	AI6Y/CP	NUT		6
53		GIPSY MAJOR 1.F ENGINE.		
52	AI6Y/8P	NUT		* 412
51	AGS162/C	SPRING WASHER		6
50	AGS162/B	SPRING WASHER		* 412
49	J60686	PACKER	ATF 418	1
48	AI5Y/1C	BOLT		1
47	AI5Y/1B	BOLT		* 412
46	AGS545/2B	SCREW		3
45	AI6Y/12C	BOLT		4
44	AGS800/01	ODDIE NUT		6
43	AGS160/C	WASHER		25
42	AGS160/D	WASHER		8
41	EA6050	BOLT - RETAINING CAP	AEF 14	8
40		GASKET		4
39	1800-8W1	WASHER-SPRING		12
38	801-52	WASHER-TAB		24
37	1302-14	NUT		12
36	AI6Y-GP	NUT		8
35	MARK100	JUBILEE CLIP		12
34	J60187	UNION BODY	ATF 314	1
33	MARK100	JUBILEE CLIP		4
32	F5030	PETROL RESISTING HOSE	AEC 184	2
31	JA60576	CARB. AIR INTAKE	CTF 391	1
30	F6912	BONDING STRIP	ATF 136	2
29	JA60304	THROTTLE CONTROLS	CTF 382	1
28	K6681	CLIP FOR IGNITION LEADS	AKF 81	1
27	K30183	CLIP FOR BLEED PIPE	AKC 127	1
26	AI5Y/9C	BOLT		2
25	AI5Y/2C	BOLT		1
24	K6471/R	MOUNTING BRKT. STB'D.	CKF 18/R	1
23	K6471/L	MOUNTING BRKT. PORT	CKF 18/L	1
22	AGS200 DM	RUBBER MOUNT		4
21	EA6036	RETAINING CAP - REAR	AEF 81	2
20	EA6040	RETAINING CAP - FRONT	AEF 82	2
19	K6653	ENGINE BEARER ARM	CKF 1	4
18	JA30957	OIL FEED PIPE	CTC 466	1
17	JA30947	OIL RETURN PIPE - COOLER TO TANK	CTC 461	1
16	JA30949	OIL PIPE - ENGINE TO COOLER INLET	CTC 462	1
15	JA30951	OIL PIPE - ENGINE TO COOLER	CTC 463	1
14	EA3029	PUMP DRAIN PIPE	AEC 106	1
13	K30182	MANIFOLD DRAIN PIPE	AKC 125	1
12	JA31180	BREATHER PIPE	AJC 620	1
11	378/5082	SPARKING PLUGS		8
10	KA6634	CROSS BRACE	AKF 72	1
9	KA6633	CROSS BRACE	AKF 71	1
8	KA30167	OIL COOLER REAR STAY	CKC 119	1
7	KA30166	OIL COOLER FRONT STAY	CKC 118	1
6	F3253	OIL COOLER	BY AUSTER AIRCRAFT LTD.	1
5	JA60668	ENGINE MOUNT STBD. FAIRING	EJF 402	1
4	JA6911/L	ENGINE MOUNT PORT FAIRING	EJF 135/L	1
3	JL61074	GA. OF ENGINE COWLS	EJF 571	1
2	A66696/1	AIRSCREW (FAIREY)		1
1		GIPSY MAJOR SERIES 1.		1

ITEM NO	PART NO	DESCRIPTION	MATERIAL OR DRG. NO	NO OFF
88				
87				
86	J30999	OIL PRESSURE PIPE	AJC 598	1
85	K31163	FLAMEPROOF HOSE 3/4"x1/16 I.D. x 40	BAS 502/12/4.	2
84		LOCKING WIRE 22G.	DTD 189	AS REQD.
83				
82	AGS160/B	WASHER		* 5 13
81 *	KA6589	DRAIN PIPE BRACKET	AKF 86	1
80	J60922	NIPPLE	A3F. 520	2
79	AGS800/1/8	ODDIE NUT		9
78	K6606	EYEBOLT	AKF 60	2
77	AI6Y/ETL	NUT		2
76	AI6Y/ET	NUT		4
75	K6656/R	FORK END	AKF 77/R	2
74	K6656/L	FORK END	AKF 77/L	2
73	AGS249-22	SCREW		2
72		BOLT	AI5Y/84	2
71	K6636	PIN	AKF 74	4
70	AGS784/3N	SPLIT PIN		6
69	AI6Y/GS	NUT SLOTTED		4
68	AGS160/E	WASHER		4
67	AI5Y/8G	BOLT		4
66	K31164	FLAMEPROOF HOSE 5/16"x 3"o	DNS 602/10/2	1
65	K30221	CLIP FOR BLEED PIPE	AKC 135	1
64	800-PN5	NUT		16
63				
62	A27/ES	NUT - SLOTTED		2
61	JA61069	ASSEMBLY - SILENCER	DJF 574	1
60		AIR INTAKE	DH. NO. 1924-9	1
59	JA60917	CARB. HEATER PIPE (TOP HALF)	AJF 516	1
58	KA6589-9	CARB. HEATER PIPE (BOTTOM HALF)	CKF 1034	1
57	KA60647	BLEED PIPE	DKF 210	1
56	730733	BLEDING SCREW & ADAPTOR	ATF 441	2
55	AI6Y/10C	BOLT		4
54	AI6Y/CP	NUT		6
53		GIPSY MAJOR 1.F ENGINE.		
52	AI6Y/8P	NUT		* 412
51	AGS162/C	SPRING WASHER		6
50	AGS162/B	SPRING WASHER		* 412
49	J60686	PACKER	ATF 418	1
48	AI5Y/1C	BOLT		1
47	AI5Y/1B	BOLT		* 412
46	AGS545/2B	SCREW		3
45	AI6Y/12C	BOLT		4
44	AGS800/01	ODDIE NUT		6
43	AGS160/C	WASHER		25
42	AGS160/D	WASHER		8
41	EA6050	BOLT - RETAINING CAP	AEF 14	8
40		GASKET		4
39	1800-8W1	WASHER-SPRING		12
38	801-52	WASHER-TAB		24
37	1302-14	NUT		12
36	AI6Y-GP	NUT		8
35	MARK100	JUBILEE CLIP		12
34	J60187	UNION BODY	ATF 314	1
33	MARK100	JUBILEE CLIP		4
32	F5030	PETROL RESISTING HOSE	AEC 184	2
31	JA60576	CARB. AIR INTAKE	CTF 391	1
30	F6912	BONDING STRIP	ATF 136	2
29	JA60304	THROTTLE CONTROLS	CTF 382	1
28	K6681	CLIP FOR IGNITION LEADS	AKF 81	1
27	K30183	CLIP FOR BLEED PIPE	AKC 127	1
26	AI5Y/9C	BOLT		2
25	AI5Y/2C	BOLT		1
24	K6471/R	MOUNTING BRKT. STB'D.	CKF 18/R	1
23	K6471/L	MOUNTING BRKT. PORT	CKF 18/L	1
22	AGS200 DM	RUBBER MOUNT		4
21	EA6036	RETAINING CAP - REAR	AEF 81	2
20	EA6040	RETAINING CAP - FRONT	AEF 82	2
19	K6653	ENGINE BEARER ARM	CKF 1	4
18	JA30957	OIL FEED PIPE	CTC 466	1
17	JA30947	OIL RETURN PIPE - COOLER TO TANK	CTC 461	1
16	JA30949	OIL PIPE - ENGINE TO COOLER INLET	CTC 462	1
15	JA30951	OIL PIPE - ENGINE TO COOLER	CTC 463	1
14	EA3029	PUMP DRAIN PIPE	AEC 106	1
13	K30182	MANIFOLD DRAIN PIPE	AKC 125	1
12	JA31180	BREATHER PIPE	AJC 620	1
11	378/5082	SPARKING PLUGS		8
10	KA6634	CROSS BRACE	AKF 72	1
9	KA6633	CROSS BRACE	AKF 71	1
8	KA30167	OIL COOLER REAR STAY	CKC 119	1
7	KA30166	OIL COOLER FRONT STAY	CKC 118	1
6	F3253	OIL COOLER	BY AUSTER AIRCRAFT LTD.	1
5	JA60668	ENGINE MOUNT STBD. FAIRING	EJF 402	1
4	JA6911/L	ENGINE MOUNT PORT FAIRING	EJF 135/L	1
3	JL61074	GA. OF ENGINE COWLS	EJF 571	1
2	A66696/1	AIRSCREW (FAIREY)		1
1		GIPSY MAJOR SERIES 1.		1

ISSUE	MOD NO	INTERNAL MOD. NO	INTERIOR CLASS	APP.	RTO
M	CIVIL MOD	2640			
L	CIVIL MOD	2490			
K	CIVIL AMEND	2499			
J	CIVIL AM.	2498			
H	CIVIL AM.	2765			
G	CIVIL MOD.	2462			
F	CIVIL AMEND	2437			
E	CIVIL MOD.	2305	R.E.B.		
D	CIVIL MOD.	2296	R.E.B.		
C		2148	R.E.B.		
B		2148	R.E.B.		

T	CIVIL AMEND	3306	R.E.B.	
S	CIVIL AMEND	3189		
R	CIVIL AM	3098		
Q	CIVIL AM	3029		
P	CIVIL AMEND	2784		
N	CIVIL MOD	2811		
M	CIVIL AMEND	2718		

TYPE: CIVIL A/C J5F

A B C D E F G H J K L M N O P Q R S T U V W X Y Z

This drawing is provided in accordance with original Auster/Beagle applicability for use with the initial enquirers' aircraft ONLY.
CORRECT APPLICATION TO THE AIRCRAFT IS THE RESPONSIBILITY OF THE ENQUIRER AND HIS ENGINEER AND NOT OF "AUSTER SPARES" OR LEICESTERSHIRE MUSEUMS.
Its supply does not confer any right to produce and trade in any of the components. Enquiries for these should be sent to:-
"Auster Spares", Carr Farm, Thorney, Newark, Notts., NG23 7DQ, England
Tel: 01 52 2778617
Email: bakerdavecaa@gmail.com
cm

PROTECTIVE TREATMENT	ASSY NO. FJA1329
	SCALE: 1/4, 1/2 & 1/1
DRAWN	27.9.51. G. STEVENS
CHECKED	T.H.M.
STRESS APPROVAL	F.VANN
ENGINEER APPROVAL	R.E.B.
APPROVED	B.J.RECORD
C.A. Manager	

TAYLORCRAFT AEROPLANES (ENGLAND) LTD. LEICESTER.

TITLE: ENGINE INSTALLATION, CONTROLS & FUEL SYSTEM.

DRG. NO. JF404 SHEET NO. 2