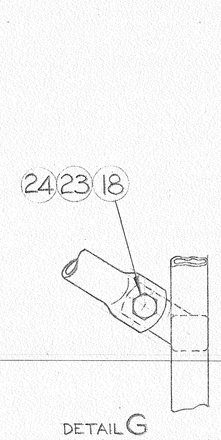
1. DO NOT SCALE DRAWING.
2. ENGLISH PROJECTION IS USED UNLESS OTHERWISE STATED.
3. TOLERANCES ON DIMENSIONS ARE ± OR — .01" UNLESS OTHERWISE STATED.
4. IF IN DOUBT ABOUT THIS DRAWING, RING DRAWING OFFICE BEFORE COMMENCING OPERATIONS.

This drawing is provided in accordance with original Auster/Beagle applicability for use with the initial enquirers' aircraft ONLY.

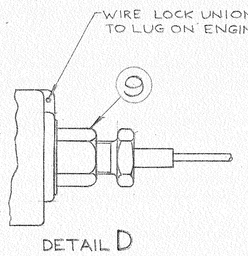
CORRECT APPLICATION TO THE AIRCRAFT IS THE RESPONSIBILITY OF THE ENQUIRER AND HIS ENGINEER AND NOT OF "AUSTER SPARES" OR LEICESTERSHIRE MUSEUMS.

Its supply does not confer any right to produce and trade in any of the components. Enquiries for these should be sent to:-

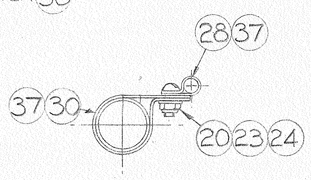
"Auster Spares", Carr Farm, Thorney, Newark, Notts., NG23 7DQ, England
Tel: 01 52 2778817
Email: bakerdaveau@gmail.com



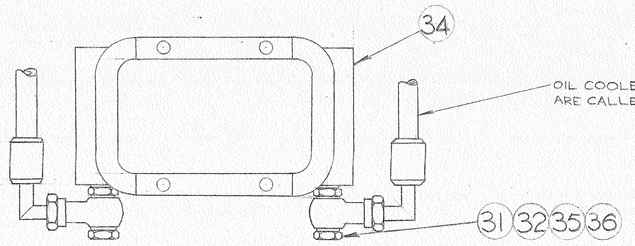
DETAIL G



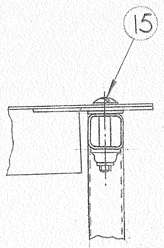
DETAIL D
ATTACHMENT OF OIL TEMP. BULB TO ENGINE.



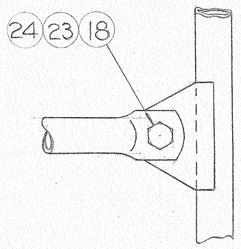
DETAIL E
ATTACHMENT OF E.S.I. DRIVE & OIL TEMP. CAPILLARY TO ENGINE MOUNT. USE ITEM 37 WHERE REQ'D. TO PROVIDE GOOD FIT.



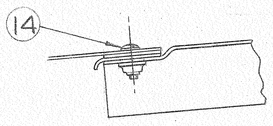
DETAIL L
ATTACHMENT OF OIL COOLER PIPES TO COOLER.



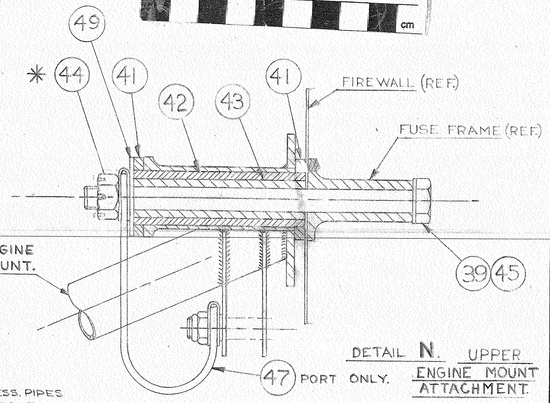
DETAIL B
ATTACHMENT OF TOP BEAM TO COWL RING.



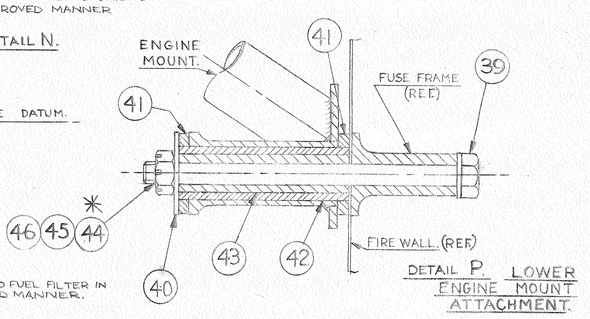
DETAIL F
ATTACHMENT OF NOSE COWL SUPPORT STAY TO COWL RING.



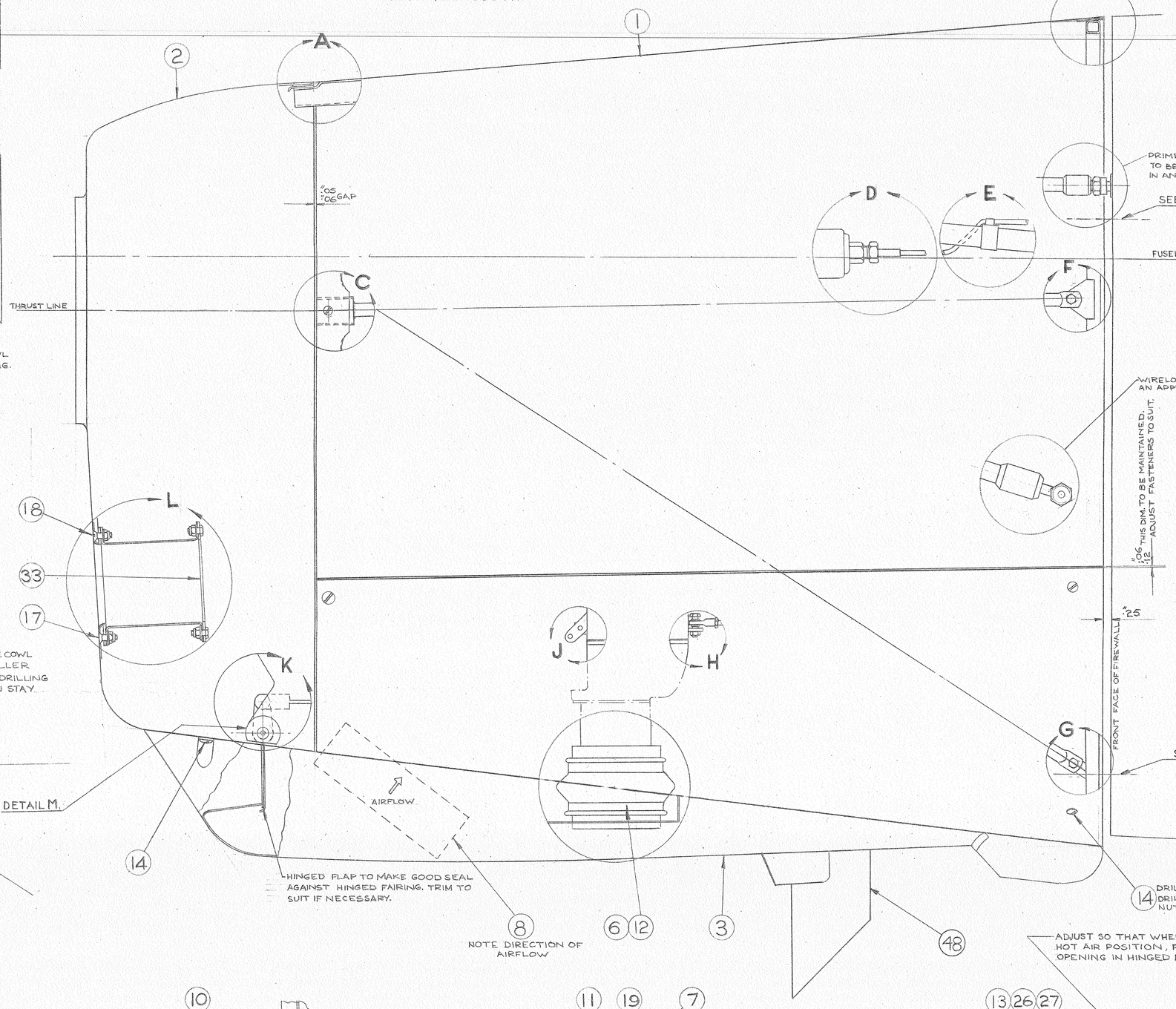
DETAIL A
ATTACHMENT OF TOP BEAM TO NOSE COWL

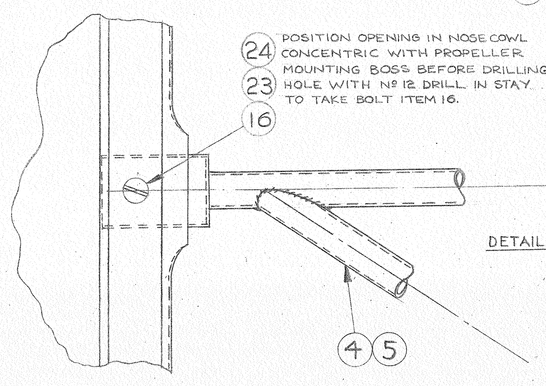


DETAIL N. UPPER ENGINE MOUNT ATTACHMENT.

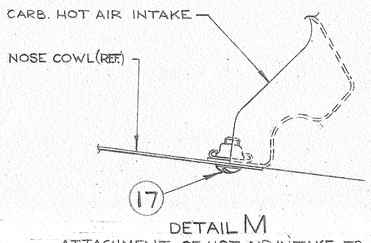


DETAIL P. LOWER ENGINE MOUNT ATTACHMENT.

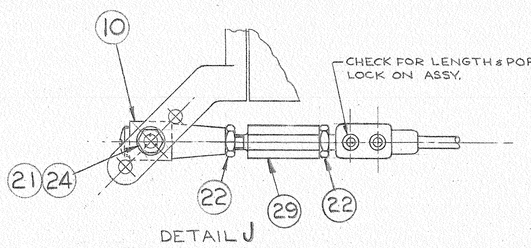




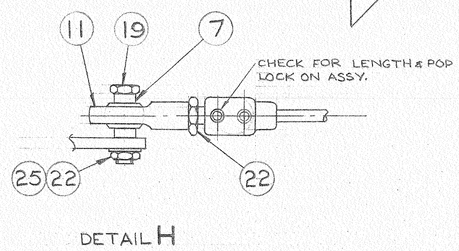
DETAIL C
ATTACHMENT OF NOSE COWL TO SUPPORT STAY.



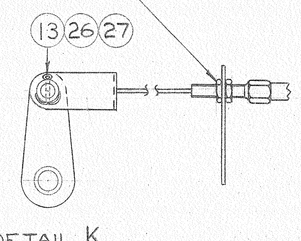
DETAIL M
ATTACHMENT OF HOT AIR INTAKE TO NOSE COWL.



DETAIL J
ATTACHMENT OF ARENS CONTROL TO THROTTLE LEVER ON CARB. USE CENTRAL HOLE AS SHOWN. CROP STUD TO LEAVE 1½ THREADS PROJECTING. PUNCH LOCK STUD AS SHOWN AFTER REMOVING LEVER FROM CARB.



DETAIL H
ATTACHMENT OF ARENS CONTROL TO MIXTURE LEVER. CROP BOLT (ITEM 19) TO LEAVE 1½ THREADS PROJECTING. PEEN BOLT TO LOCK AFTER REMOVING LEVER FROM CARB.



DETAIL K
ATTACHMENT OF CARB. HOT AIR CONTROL CABLE TO LEVER

NOTE

NUTS (ITEM 44) INDICATED * TO BE TORQUE LOADED TO 200 LB/INS. ENSURE DISTANCE TUBE ITEM 43 IS CLAMPED TIGHT. WASHER ITEM 45 FITTED AS NECESSARY TO ENSURE CORRECT TIGHTENING OF BOLT.

ITEM Nº	PART Nº	DESCRIPTION	MATERIAL OR DRG. Nº	Nº OFF.
49	J18781	WASHER.	AJA3194	2
48	JL63933	ENGINE INSTALLATION	FJF1663	1
47	J62357	EARTH LEAD	AJF1035	1
46	SP90-C7	SPLIT PIN		4
45	SP-146	WASHER		AS REQD
44	A27 6S	NUT		4
43	J-18779	DISTANCE TUBE	AJA3193	4
42	J61994	RUBBER BUSH.	AJF 914	4
41	J61995	RUBBER WASHER	AJF 915	8
40	J-18780	WASHER	AJA 3194	2
39	A25 35 G	BOLT		4
38		LOCKING WIRE 22 S.W.G.	D.T.D.189	AS REQD
37		EMPIRE TAPE		AS REQD
36	A&S 1138-C	JOINTING WASHER		4
35	A&S 1132-C	BANJO BODY		2
34	JA32123	OIL COOLER ASSY.	CJC1015	1
33	J61587	REINFORCING PLATE	AJF 769	1
32	J32080	CAP NUT	AJC 934	2
31	J32079	ADAPTOR-OIL COOLER	AJC 933	2
30	A&S 3181-12C	P-CLIP		1
29	JL63937	ARENS CONTROL EXTENSION	AJF 1666	1
28	A&S 3181-3C	P-CLIP		1
27	SP90-C3	SPLIT PIN		1
26	SP121-C	COLLAR		1
25	SP15E	WASHER		1
24	SP15C	WASHER		8
23	A&S 2002-C-1	NUT		7
22	A27-ET	NUT		4
21	A27-CT	NUT		1
20	A32-C12	SCREW		1
19	A25-7-E	BOLT		1
18	A25-1-C	BOLT		8
17	A&S 1242-3-C	BOLT		4
16	A&S 1242-1-C	BOLT		2
15	A&S 1248-6-C	BOLT		2
14	A&S 1248-1-C	BOLT		15
13	SP42-B2	CLEVIS PIN		1
12	A&S 605-5	HOSE CLIP		2
11	RFE 4C	BALL JOINT	ROSE	1
10	JA62470	BALL JOINT	AJF1097	1
9	J62896	ADAPTOR	AJF1257	1
8	D65376	MILLE-VEE FILTER	VOKES	1
7	J62329	TUBE 5/16 9/16 × 22 S.W.G. × 15 1/6.	T35	2
6	J62468	FLEX. HOSE	CJF1095	1
5	JA62022	NOSE COWL SUPPORT STAY	DJF924	1 LH
4	JA62030	NOSE COWL SUPPORT STAY	DJF924	1 RH
3	JA61885	UNDERSHIELD ASSY.	FJF1087	1
2	JA61864	NOSE COWL	EJF882	1
1	JA63936	ASSY OF TOP COWLS	AJF1665	1

TYPE	PROTECTIVE TREATMENT	SCALE	ASSY. NOS.				APP.
MK5		1/2 4/1	DJ285				MOD. Nº
		WELDING DATA	ROD	FLUX	DRAWN: 29-12-66 D.W.SKINNER	CHECKED: 27-2-67	ISSUE
							4187 C / 4187 B / 4187 A

BEAGLE-AUSTER AIRCRAFT LTD. LEICESTER.

TITLE. ASSY. OF ENGINE INST. (LYCOMING O-320-A2B) & COWLINGS TO FUSELAGE

TRACED: | TRACING CHECKED:

STRESS APPROVAL: | DESIGN APPROVAL | WEIGHT: ESTD. ACTUAL

PART NO. JL 18774

DRG. NO. EJA3189