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 AMY NOT OF "AUSTER SPARES" OR LEICESTERSHIRE MYSELVES.

No 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: (0) 52 777817
Email: hadenfarrow@gmail.com

NOTE / THE MATL SHOWN AT THE TOP SECTION MUST BE USED FOR PART NO. JA 30039. IT IS PERMISSIBLE TO USE EITHER THE CORRUGATED MATL SHOWN AT THE LOWER SECTION OR THE MATL SHOWN AT THE TOP SECTION FOR PT NO. JA 30206. (SEE ALSO NOTES ⊕)

RUN SOLDER IN SWAGES TO SEAL JOINT

TOP SKIN FOLDED OVER BOTTOM SKIN

7 CORRUGATIONS AT 3.00 PITCH DISPOSED ABOUT ℄ AS SHOWN.

3·00 PITCH 3·00 PITCH ℄ TANK & A/C

·50 PITCH FOR CORRUGATIONS

SECTIONS THRO' BOTTOM SKIN

NOTE
IF MATERIAL FOR TANK TOP IS NOT AVAILABLE IN ONE PANEL, A SEAM, AS SHOWN AT SECTION RR MAY BE USED TO JOIN TWO LENGTHS. THE SEAM SHOWN IS POSITIONED APPROX. CENTRAL ON TOP PANEL BUT MAY BE VARIED TO SUIT MATERIAL.

⊕ NOTE / IF NECESSARY THE BOTTOM PANEL ON PT Nº JA 30206 MAY BE JOINED IN APPROX. POSITION SHOWN.

FILLER NECK ON STB'D SIDE

18·50 CENTRES MEASURED PARALLEL TO ℄ TANK 18·67 TRAMMEL READING HOLE CENTRE TO HOLE CENTRE

℄ FRONT PICK UP BOLT

℄ SEAM.

℄ REAR PICK UP BOLT

TOP SKIN FOLDED OVER BOTTOM SKIN

RUN SOLDER IN SWAGE TO SEAL JOINT

OVERLAP

4" APPROX.

℄ TANK

35 SWEAT TO SUMP

ETCHED LINE DENOTES OUTLINE OF FILLER NECK STIFFENER

1 TOP SKIN

SILVER SOLDER TUBE TO ADAPTOR

RIVET & SOLDER ADAPTOR TO TANK

POINT ON LINE A

RUN GOOD FILLET TO SEAL JOINT.

·30 OVERLAP.

POINT ON LINE M

3·31 ALONG TANK

LINE L

DRG Nº
ISSUE Nº
SERIAL Nº TAY.

4·00 APPROX

SWEAT SERIAL PLATE TO TANK SIDE 23

3 PORT
4 STB'D

SECTION RR

POINT ON LINE G
ITEM 2 SHOWN BY BROKEN LINES

RUN GOOD FILLET OF SOLDER ALONG JOINT

SECTION C-C.

8 RIVETS ALONG BOTTOM FLANGE OF BAFFLE.

HOLE IN TANK SIDE & STIFFENER FLUSH WITH INSIDE FILLER NECK.

POINTS ON LINE L

FILLER NECK STIFFENER

4·00

SECTION K-K.

NOTE / THIS SEAM IS ONLY ON PT Nº JA 30206.

LINE A
LINE M

·30 RAD

3 HOLES ·315 / ·285 DIA Nº 30 DRILL EQUALLY SPACED ON 1·10 P.C. DIA.

21·31 *

VIEW ON ARROW B

OPEN END OF BREATHER PIPE TO FACE AFT

22 CIVIL A/c Pr No JA 30206
30 OR 37 MILITARY A/c Pr No JA 30039
SEE NOTE ⊕

SIDES OF TANK STRAIGHT BETWEEN LINES E & G

SECTION F-F

POINT ON LINE E
·12 RAD
RUN GOOD FILLET OF SOLDER ALONG JOINT.

SECTION B-B
SEE NOTE *

ALLOW ·50 ON STIFFENER FOR BENDING OVER

SECTION M-M
(TWICE FULL SIZE)

SOLDER STIFFENER ON INSIDE BAFFLE FLANGE

SOLDER STIFFENER TO BAFFLE

SECTION N-N

LINE C

·81 DIA HOLE

℄ AIRCRAFT & TANK.

SECTION THRO STIFFENER ITEM 19

℄ AIRCRAFT & TANK.

SECTION H-H (AT ℄)

SECTION P-P

SECTION J-J

SEE NOTE ⊕ 29 SWEAT TO TANK AFTER WELDING

28 SWEAT TO ⅜ TOP SKIN ON STARBOARD SIDE ONLY

1·50 R.R.

DRILL & TAP THESE BOSSES 4 BA THREAD. LOCATE FROM HOLES IN FILLER NECK

NOTE ⊕ PT Nº JA 30038 - DRG Nº FJC 301/1 WITH NECK ITEM 7 (MILITARY TYPE)
PT Nº JA 30206 - DRG Nº FJC 301/2 WITH NECK ITEM 30 (CIVIL TYPE)

SIDE OF STIFFENERS CUT AS SHOWN

·40 ALLOW ·37 FOR BENDING OVER SWAGE

29 SEE NOTE RE SWEATING TO TANK

25 8 OFF EQUALLY SPACED ALONG BOTTOM FLANGE

NUTS ITEM 33 SWEATED TO ⅜ BAFFLE TOP FLANGE

33 SWEAT TO INSIDE FACE OF STIFFENER

ENDS OF STIFFENERS TO BE JOGGLED OVER BAFFLE FLANGE

29 SWEAT TO TANK AFTER TIGHTENING

23 SWEAT TO ⅜ STIFFENER

25 9 OFF

RUN GOOD FILLET OF SOLDER AT JOINT

11 OFF SPACED AS SHOWN. SWEAT TO ⅜ BAFFLE TOP FLANGE CONCENTRIC WITH HOLE

33 7 OFF SWEAT TO ⅜ TOP FLANGE OF BAFFLE

29 SWEAT TO TANK AFTER TIGHTENING

25 8 OFF EQUALLY SPACED

25 9 OFF

16 RIVETS IN TWO EQUAL ROWS ALONG THE LAP JOINT. 3·10 PITCH & CRS STAGGERED AS SHOWN.

DIRECTION OF CORRUGATIONS IN BOTTOM SKIN.

23·40 CENTRES

25·04 CENTRES

29·37 CENTRES

DRILL & TAP BOSSES FOR 4 BA BOLT 24 SOFT SOLDER BOLTS TO BRACKETS AFTER TIGHTENING

NOTE / IT IS IMPORTANT THAT CORRUGATIONS ARE SPACED AS SHOWN

✱ NOTE :- ITEM 39 IS THE TANK BOTTOM WITH 7 SWAGE'S USED ON PT. Nº JA 30038. ITEM 2 IS THE CORRUGATED TANK BOTTOM USED ONLY ON PT Nº JA 30206.

NOTE
TANK TO BE PRESSURE TESTED TO 1·5 LBS/SQ.INS
CAPACITY 13¾ GALLS.

NOTES.
DIMENSION GIVEN TO INSIDE OF TANK.
DIMENSIONS MARKED ✱ MEASURED FROM ℄ SOLDER BRACKETS (ITEM 14 & 15) TO TANK.
USE GRADE M SOLDER UNLESS STATED OTHERWISE
LINE L DENOTES HOLE NECESSARY IN FILLER NECK STIFFENER & TANK SIDE. THIS LINE IS FLUSH WITH INSIDE OF FILLER NECK.
IT IS IMPORTANT THAT ALL SCREW & RIVET HEADS ARE THOROUGHLY SWEATED TO TOP OF TANK IN ORDER TO REMAIN LEAK PROOF DURING PRESSURE TESTING OF TANK.
ALL SCREW HOLES TO BE DRILLED WITH Nº 27 DRILL.
ALL RIVET HOLES TO BE DRILLED WITH Nº 30 DRILL.

41	NS 31425	INSPECTION PANELS (EXTENDERS TYPE 8 ONLY)	DJC 718	1
40		LIGHT CHAIN (APPROX 4' LONG)		1
39	J30255	SHEET 20 S.W.G.	S.20	1
38	J30220	STIFFENER	AJC 298	2
37	J30945	WESTWOOD FILLER CAP (FOR MILITARY)	AJC 633	1
36		LOCKING WIRE 20 S.W.G.	TINNED COPPER	AS REQD
35	J30161	LOCKING TAG	AJC 318	2
34	J30160	WIRE 10 S.W.G.	BRASS	1
33	AN4/BB	NUTS	BRASS	52
32	J30076	STIFFENER	AJC 295	1
31	J30075	STIFFENER	AJC 290	1
30 (SEE NOTE ⊕)	JA 30205	FILLER NECK	DJC 287	1
29	AGS 244/2B	SCREWS		81
28	J30046	BOSS	AJC 303	2
27	J30088	SHEET 24 G	S.20	1
26	AGS 405	RIVET C/SK 1/8" x 5/16"		AS REQD
25	AGS 404	RIVET 1/8" DIA x 1/4" LG.		AS REQD
24	AN/18	BOLT		24
23	J30239	SERIAL PLATE	AJE 2	1
22 (SEE NOTE ⊕)	JA 30226	FILLER CAP WESTWOOD	AJC 632	1
21	J30071	STIFFENER	AJC 297	1
20	J30070	BAFFLE	CJC 320	1
19	J30093	STIFFENER 24 S.W.G.	S.20	5
18	J30096	BAFFLE (CENTRE)	CJC 312	1
17	JA 30092	BAFFLE (REAR)	CJC 311	1
16	J30081	STIFFENER 24 S.W.G.	S.20	1
15	JA 30058	BRACKET (FRONT)	CJC 310	2
14	JA 30055	BRACKET (REAR)	CJC 309	2
13	AGS 567/B	WASHER		1
12	AGS 219/B	DRAIN PLUG		1
11	J30054	ADAPTOR (DRAIN)	AJC 308	1
10	J30053	ADAPTOR (FEED)	AJC 307	1
9	J30052	CLIP	AJC 302	2
8	J30051	FEED PIPE	CJC 305	1
7 (SEE NOTE ⊕)	JA 30048	FILLER NECK	DJC 304	1
6	JA 30043	BAFFLE (FRONT)	CJC 302	1
5	J30042	WIRE 10 S.W.G.	BRASS	2
4	J30041/R	L.R. SIDE PANEL	EJC 315/R	1
3	J30041/L	L.R. SIDE PANEL	EJC 315/L	1
2	J30040	SHEET 20 S.W.G.	S.20	1
1	J30039	SHEET 20 S.W.G.	S.20	1
ITEM Nº	PART Nº	DESCRIPTION	MATERIAL OR DRG Nº	Nº OFF

SEE NOTE ✱ MATERIAL OBTAINED FROM MODIFIED NOTE

PROTECTIVE TREATMENT. Assy Nº EJC 313 EJC 316 EJC 772 EJC 291 EJC 220 EJC 636 EJC 761

SCALE. DRAWN. 26-11-48 CHECKED. TRACING. N HANFORD

AUSTER AIRCRAFT LTD LEICESTER. STRESS. HAC. PATT. ADDN. FLC. ASSY ADDN. PT Nº JA 30058 SEE NOTE ⊕

TITLE FUEL TANK ASSY (LONG RANGE) DRG Nº FJC 301/½

TRACING CHECKED :- [illegible]

7	JA 3407				
6	JA 2271				
5	2007				
4	1650				
3	1397	46			
2	1267	A 13			
1	1288	126 SRG	5/8		
	DRAIN ADAPTOR ALTERED PICTORIALLY				
D	BAFFLE INTRODUCED & STIFFENERS RE-ORIENTATED & QTY. REDUCED FROM 7 TO 5				
C	SCREWS WERE AGS 244/4U FROM 70FF.				
B	VARIOUS ALTERATIONS.				
A					
ISSUE	Mod Nº	INTERNAL Mod. Nº	CLASS	APP	R.T.O

TYPE :- AUSTER