1. DO NOT SCALE DRAWING
2. ENGLISH PROJECTION IS USED UNLESS OTHERWISE STATED
3. TOLERANCES ON FRACTIONAL DIMENSIONS ARE + OR − 1/64" UNLESS OTHERWISE STATED.
4. IF IN DOUBT ABOUT THIS DRAWING, RING DRAWING OFFICE BEFORE COMMENCING OPERATIONS.

DRG. Nº E EC.18
PART Nº EL.3162.

Main Petrol Tank.

This Note Only Applies To Retrospective Fitments To Auster III's

Disconnect Petroflex Pipe From Adaptor On Underside Of Tank. Remove The Adaptor Carrying The Shut Off Slide & The Fibre Washer, Leaving The Union-Finger Screen Assy. In Position & Taking Care Not To Break The Seal Between Union & Tank. Remove Petrol Push Rod, Knob & Label From Instrument Panel. Screw DE. Union Item 10 Into Existing Union With The Fibre Washer Previously Removed Sandwiched Between Existing Union & Item 10 (Item 16 Is To Be Used If Existing Fibre Washer Is Damaged). Connect Pipe Item 14 & Olive Item 31 Onto DE. Union Item 10.

Existing Farlead For Petroflex Pipe

To Pump On Engine.

Pipe Item 13 To Be Threaded Thro' The 15/16" Dia. Hole In Woodall Kicking Panel & Then Between Horizontal Fuselage Crosstube & Fabric.

Cut A 15/16" Dia. Hole In Woodall Kicking Panel For Passage Of Petrol Pipe Union & Hole 1 1/16 Above Top Of Floor & On ℄ 5/8" C.

Existing Petroflex Pipe To Be Connected To Pipe Item 35 By Means Of Olive Item 31 & Double Ended Union Item 10.

Very Pistol & Holder To Be Repositioned Here Just Clear Of Tube Item 35 With Butt Pointing Aft.

Floorboard

Front

Rear

Alloff

45°

Shock Truss

Note:- Anchor Nuts To Be Screwed To Underside Of Floorboard.

Or

Note * Alternatively A Plywood Block 4" x 4" x 1/4" Thick With Edges Chamfered 3/16 x 3/16 Can Be Glued And Bradded On Top Of Floorboard After Cutting Away Lino. Screw Down Spider With 1/2" Lg x Nº 4 R/H Hd Woodscrews.

Tape To Be Wound Round Copper Tubing & Then Wound Round Both Tubing & Diagonal.

Cover Item 42 To Be Located Against Member On Floorboard.

Drill 4 - 4BA Clear Holes In Lino & Floorboard From Bracket. Bolt On To Lino. Or (See Note * Above)

Clip Securing Pipes To Floorboard. Screw Thro' Lino Into Floorboard.

Plan View

5, 22, 41 Slotted Nut At Top Inside Clip. Position With Slots Uppermost Slots Will Enable Nut To Be Turned With A Screwdriver Or Suitable Key.

Adjust By Means Of Nut & Locknut Flat Washer Between Nuts & Clip. Locknut To Be Securely Tightened. Locate Strap In Saddle Brackets On Bottom Of Tank & Slide Clips Item 3 Along Tubes Until Strap Lies Square Then Clamp In Position.

21, 4, 20, 19, 18, 3

Clip To Be Sprung Over Front & Rear Crosstubes On Wireless Rack.

Locate Brackets On Top Of Tank Between Ply Faces Of Tank Bearers.

Fuselage Datum

Note:- Wooden Cross Member To Be Scooped Out Slightly To Clear Bolt Thro' Strap & Clip

Wireless Tray

Wireless Rack

'A'

Tank Bearer. Locate Centrally Between Wireless Rack Cross Members.

Rip-Off Patch To Provide Access To Auxiliary Tank Drain Plug. See View On Arrow 'C'

View Of Tank Assy. On Arrows 'B-B'

Note:- This Dimension To Be Obtained By Slackening Wireless Rack Socket Clamp Bolt And Adjusting Clamp On Fuselage Member Or Alternatively By Shortening Locating Tube And Redrilling.

Note: Remove Stringer Brace From Existing Position & Move 2" Further Aft.

Glue And Screw To Underside Of Wireless Tray In Position Shown. Cutout In Bearer To Clear Diagonal Tube On Wireless Rack.

Port.

Note:- Filler Cap Item 17 To Be Assembled On Tank Filler Neck With Copper Tube At Rear. Fasten To Neck With 4" Length Of Light Chain.

℄ Aircraft

15'0

℄ Tank Bearer

17

Egyptian Tape Around Filler Neck & Item 25 Fastening Them Together.

32

11 1/8"

℄ Tank

4"

Important Note:- There Must Not Be Less Than 1/4 Clearance Between Cables And Edge Of Tank.

Saddle Bracket For Tank Strap.

View On Arrow 'A'

Spruce D.T.D. 36B Grade B Or 1st Grade Deal Block 6" x 2 1/4" x 1" Thick With Ends Cut At 45° Glued & Screwed To Stringer With 4-Off Nº 4 x 5/8" Long C'sk Woodscrews. Block & Stringer To Be Cut Away 1/8" Clear Of Tank Filler Neck & A Piece Of 1/8" Thick Felt Bostiked Into Cutout.

29, 27

30 Sealing Patch To Be Well Doped Onto Fabric With Slit In Leather At Bottom. Slit Is Provided For Ease Of Assembly Over Widest Part Of Filler Neck At Top.

Stringer

Existing Fabric.

Slit In Leather.

℄ Of Tank.

Scrap View On Stbd Side Showing Cutaway & Reinforcing Of Stringer & Method Of Sealing Fabric Around Hole For Filler Neck.

44		EA3141/R	TANK BEARER	DEC.173/R	1
43		AGS 250/19	SCREWS		8
42		E.3754	COVER	AEC.189	1
41		AIGY/ES	SLOTTED NUTS 1/4 BSF		2
40			20 SWG COPPER WIRE		As Reqd
39		AGS 947/C	FIBRE WASHER.		2
38		AGS 252/1	ROUND HEAD WOODSCREW		8
37		BG.1.	DOUBLE ANCHOR NUT.		4
36		COMMERCIAL PLYWOOD	4" x 4" x 1/4" Plywood Block		1
35		EA3606	PIPE ASSY.	DEC.24	1
34		DA.30	BONDING ASSEMBLY	ADC.137	1
33		AGS 245/21	4BA x 3/8 Lg.		2
32			1/2" EGYPTIAN TAPE	F.47	As Reqd
31		AGS 713/C	OLIVES.		6
30		E.3190	SEALING PATCH	AEC.182	1
29		E.3614	BLOCK	SPRUCE GRADE B OR 1st GRADE DEAL	1
28		AGS 252/2	WOODSCREW Nº 2 x 3/8 Lg.		4
27		AGS 250/21	WOODSCREW Nº 4 x 5/8 Lg.		4
26		AGS 250/22	WOODSCREW Nº 4 x 3/4 Lg.		12
25		SIMMONDS B.P.1	NUT 4BA.		2
24		AGS 160/B	FLAT WASHER		4
23		AGS 245/24	R/D HD 4BA SCREW		4
22		AIGY EP	NUT 1/4 BSF		2
21		AGS 160/D	FLAT WASHER 1/4" I/D		4
20		AIGY CP	NUT 2BA.		4
19		AGS 585/C	SPRING WASHER		4
18		AI.2C.	BOLT 2BA.		4
17		EA3155	FILLER CAP.	AEC.17	1
16		AGS 567/B	FIBRE WASHER.		1
15		E.3137	CLIP	AEC.160	2
14		EA3144	PIPE ASSY.	CEC.164	1
13		EA3201	PIPE ASSY.	DEC.23	1
12		AGS 252/20	1/2" Lg x Nº 4 R/D HD WOODSCREWS		4
11		EA3142	FUEL COCK ASSY.	CEC.162	1
10		AGS 627/C	DE. UNION 3/8 B.S.P.		2
9		AGS 216/B	PLUG 1/4 B.S.P.		1
8		A8104	INSPECTION HOLE FRAME	ADH.110	1
7		EA3138	FILTER ASSY.	AEC.12.	1
6		GB0270	7" SQUARE FABRIC PATCH	AGH.185	1
5		EA3174	STRAP ASSY.	CEC.178	2
4		E.3135	CLIP	AEC.147	2
3		G.6094	CLIP	AGF.65	5
2		EA3161/L	TANK BEARER	DEC.173/L	1
1		EA3163	FUEL TANK.	DEC.19	1

ITEM Nº | PART Nº | DESCRIPTION | MATERIAL OR DRG Nº & ISSUE | No OFF

Alternatively See Note *

Note:- Inside Of Item 3 To Be Scraped Clean And Outside Of Fuselage Tube Where Clip Fits.

Enlarged View On Arrows D-D Showing Bonding Lead Fixing.

The drawing is provided in accordance with original Auster/Beagle responsibility for use with the initial enquiry details ONLY.
CORRECT APPLICATION TO THE AIRCRAFT IS THE RESPONSIBILITY OF THE ENGINEER AND NOT ESTABLISHED UNTIL AFTER CAA "AUSTER SPARES OR "Auster Spares", Carr Farm, Thornton, Nr Lancs. Notts. NG23 7DS. England
Tel: Email: austerspares@gmail.com

Leave Loose Loop In String Large Enough To Obtain A Finger Hold.

Port

8

6

2 1/4"

℄ Of Aircraft

Scrap View On Arrow 'C'

Item 8 To Be Well Doped Onto Outside Of Existing Fabric. Fore & Aft Location Of ℄ To Be Immediately Underneath Tank Drain Plug Item 9 With 1/16" In Tail Down Position. Existing Fabric To Be Cut Flush With Inside Dia. Of Item 8. Rip-Off Patch Item 6 To Be Doped On Over Item 8 With A Piece Of Thin String Interposed Between Existing Fabric & Patch. String To Have A Protruding Loop As Shown Above.

Note For Purposes Of Assembly Remove Wireless Tray. Fit The Tank In Position Onto Wireless Rack. Drop Tray And Bearers Onto Tank And Finally Bolt Up. If Desired A Hole May Be Cut In The Fabric Beneath The Window To Facilitate Fitting The Tank & Tray.

40 All Pipe Unions & The Drain Plug At Bottom Of Tank Are To Be Locked With 20 S.W.G Copper Locking Wire.

A	AM 275	1650			
B	AM 156	1161	3	5/16	
C	AM 152	1139	3	5/16	
D	99	1009	4.	5/16	
E					
F					
G					
H					

ISSUE | MOD Nº | INTERNAL MOD Nº | INTERNAL CLASS | APP. | RTO

TYPE: AUSTER

PROTECTIVE TREATMENT | Assy Nº E.E.3 | ITEM Nº | PART Nº | DESCRIPTION | MATERIAL OR DRG Nº & ISSUE | No OFF

SCALE 1/4 | DRAWN G. SMITH | CHECKED | APPROVED | DATE 22.11.44 | TRACING CHECK G. SMITH 22/11/44

TAYLORCRAFT AEROPLANES (ENGLAND) LTD. LEICESTER | STRESS APPROVAL | DESIGN APPROVAL | PART Nº EL 3162

TITLE 8 GALLON AUXILIARY PETROL TANK INSTALLATION. | DRG Nº E EC.18.