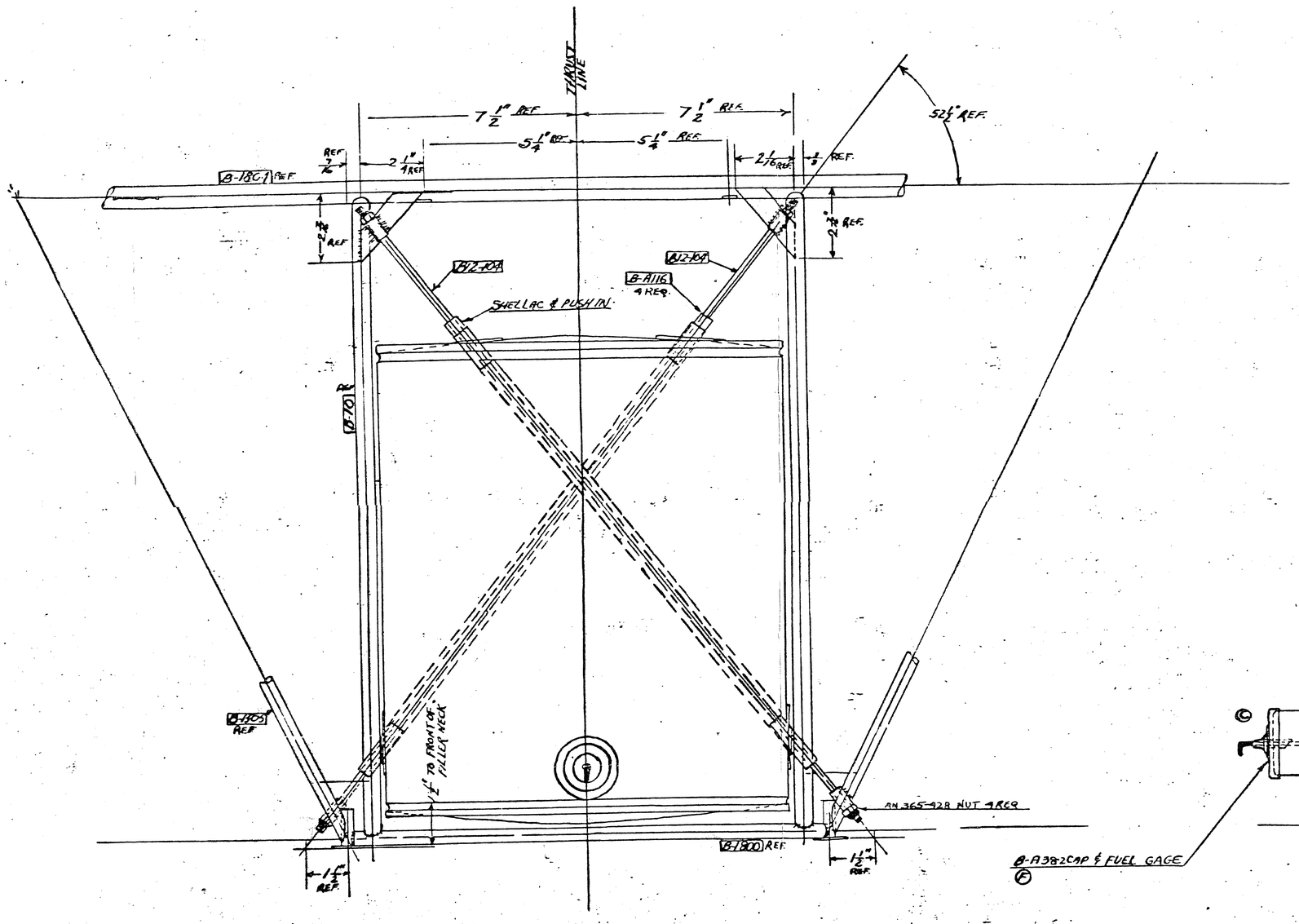
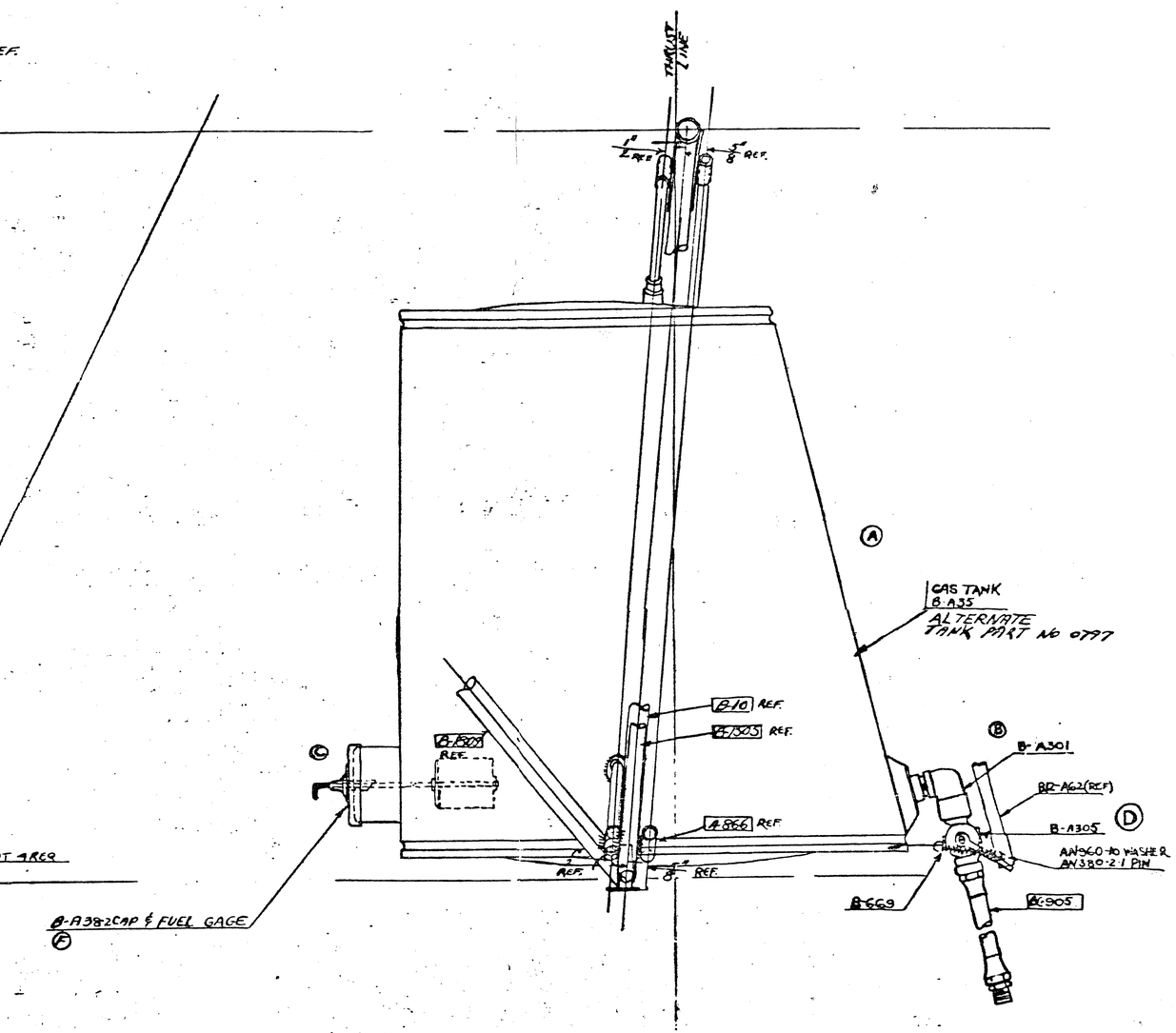
B12-L108

NOTES: 1 FOR C.A.A. INSPECTION ONLY MODEL B.
2 [illegible]
3 SPEC NO. [illegible]
4 ALL DIMS. ARE TOLERANCE PER VISUAL.
5 [illegible]
6 [illegible]
7 [illegible]





INSTALLATION DWG B12-L108-1 FOR MODEL BC12D85

USE PART NO 2576 IN PLACE OF BC-905

ALL OTHER PARTS SAME AS B12-L108

D	0894-1	
D	B12-L108	
C	B12-L108	
B		

BR-A62	1	SHUTOFF ASSY
AN960-10	1	WASHER
AN380-2-1	1	PIN
B-A38-1	1	GAS CAP & GAGE ASSY
AN365-928	4	NUT
B12-104	2	TIE ROD
B-A116	4	RUBBER TUBE
B-A301	1	ELBOW & SCREEN
B-669	1	SPRING
BC-905	1	GAS LINE
B-A305	1	SHUT-OFF
B-A35	1	TANK
B12-L108		INSTAL

BC12D-85

N	2/1/48	ADDED NOTE FOR BC12D85	2/4	JT	DW
G	2/1/48	BC905 WAS 8-[illegible]	1/4	JT	DW
F	2/1/48	B-A38-2 WAS B-A38-1 [illegible]	2/4	JT	DW
E	2/1/48	ADDED 0797 ALTERNATE TANK	1/5	JT	DW
D	[illegible]	ADDED D INSTALLATION OF SHUTOFF ASS'Y. FOR CLEARANCE. E.O. 316	1-4	GC	CIA
C	[illegible]	ADDED B-A38 [illegible] FUEL GAGE	1-3	JRR	PM
B	3-9-[illegible]	Cutout change d was "1108" [illegible]	[illegible]	[illegible]	[illegible]
A	[illegible]	SIDE VIEW OF TANK INSTAL. & [illegible] ADDED	[illegible]	[illegible]	TR

B12-L108

B12-A165 ON BOOM

BC12D85

B12

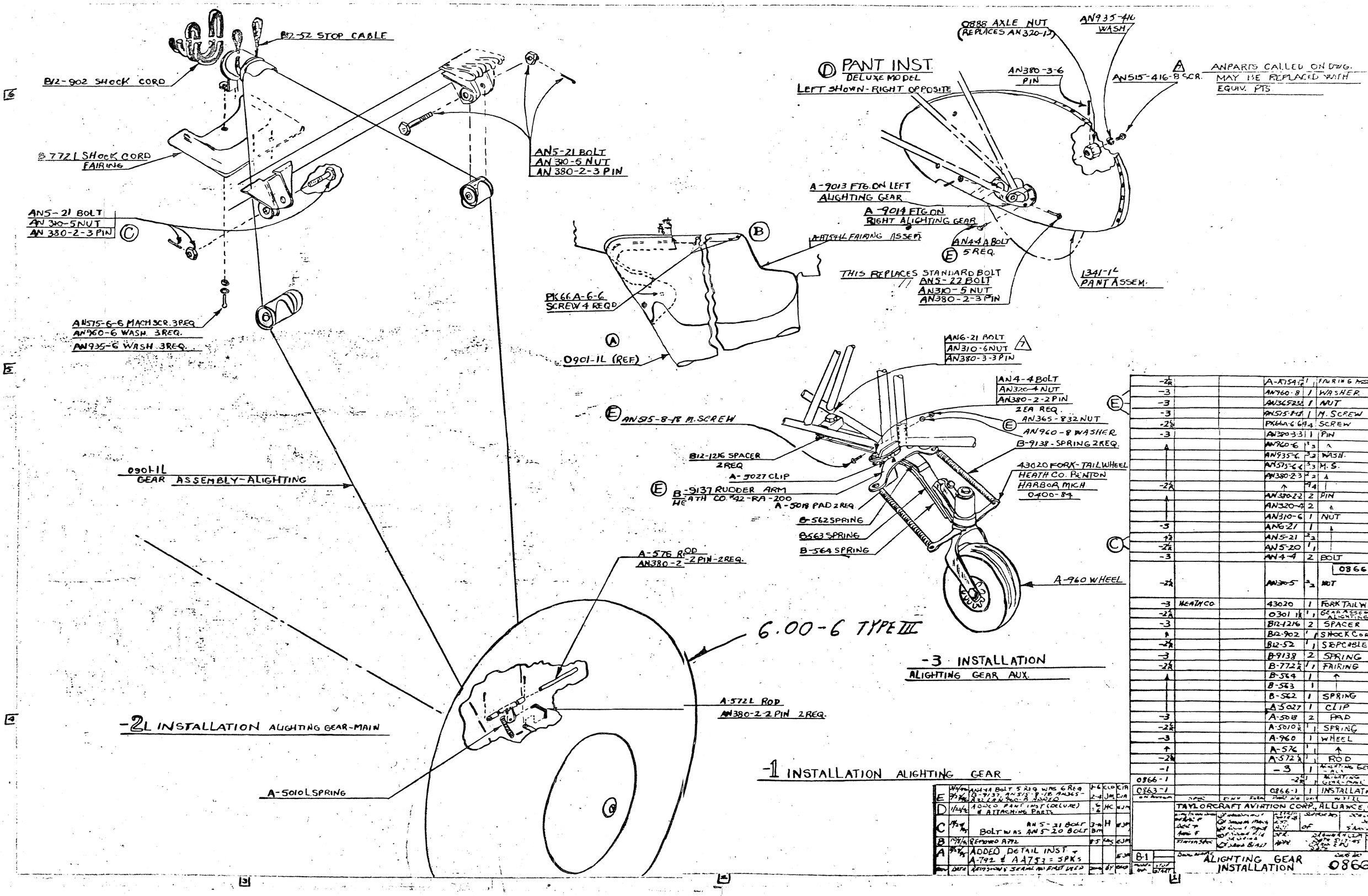
TAYLORCRAFT AVIATION CORP., ALLIANCE, O.

FUSELAGE GAS TANK INSTALLATION

B12-L108

E

TOP VIEW
LEFT SIDE FRAME SHOWN
TOP VIEW BOTTOM FRAME
-1 ASSEMBLY
DETAIL A STA. 3
QUARTER SIZE
DETAIL B ROT IN PLANE OF
QUARTER SIZE
DETAIL C STA 4
QUARTER SIZE
DETAIL D STA. 1
QUARTER SIZE
VIEW A-A
DETAIL E STA 17
QUARTER SIZE
DETAIL F STA 16
QUARTER SIZE
DETAIL H STA 14
QUARTER SIZE
SECTION E-E
SECTION F-F
DETAIL L STA. 8
QUARTER SIZE
SECTION D-D
SECTION B-B
HALF SIZE
DETAIL K STA. 8 & 9
QUARTER SIZE
ALTERNATE DETAIL K STA 9
REAM 312 AFTER WELDING
REAM 250 AFTER WELDING
0876-1 TRUSS ASSEM
B-1015 SUPPORT



-2 1/2			A-A7547	1	FAIRING ASSEM.
-3			AN960-8	1	WASHER
-3			AN365832	1	NUT
-3			AN515-8-18	1	M. SCREW
-2 1/2			PK66A-6-6	4	SCREW
-3			AN380-3-3	1	PIN
↑			AN960-6	3	"
			AN935-6	3	WASH.
			AN515-6-6	3	M. S.
			AN380-2-3	3	"
-2 1/2			↑	4	↑
↑			AN380-2-2	2	PIN
			AN320-4	2	"
			AN310-6	1	NUT
-3			AN6-21	1	"
1/2			AN5-21	3	
-2 1/2			AN5-20	1	
-3			AN4-4	2	BOLT
-2 1/2			AN310-5	3	0866 NUT
-3	HEATH CO.		43020	1	FORK TAIL WHEEL
-2 1/2			0301 1L	1	GEAR ASSEM ALIGHTING
-3			B12-1216	2	SPACER
↑			B12-902	1	SHOCK CORD
-2 1/2			B12-52	1	STOP CABLE
-3			B-9138	2	SPRING
-2 1/2			B-772 1/2	1	FAIRING
↑			B-564	1	↑
			B-563	1	
			B-562	1	SPRING
			A-5027	1	CLIP
-3			A-5018	2	PAD
-2 1/2			A-5010 1/2	1	SPRING
-3			A-960	1	WHEEL
↑			A-576	1	↑
-2 1/2			A-572 1/2	1	ROD
-1			-3	1	ALIGHTING GEAR - AUX.
0866-1			-2 1/2	1	ALIGHTING GEAR - MAIN
0863-1			0866-1	1	INSTALLATION

E	3/4/44	AN4-4 BOLT 5 REQ WAS 6 REQ. B-9137 AN515-8-18 ADDED AA7547 AN960-8 ADDED	1-6 2-4	CLD	JM	CJA
D	1/24/44	ADDED PANT INST (DELUXE) & ATTACHING PARTS	1-6	HC		JM
C	1/17/44	AN5-21 BOLT WAS AN5-20 BOLT	3-4 Bm	H		JM
B	1/17/44	REMOVED A772	1-5	Kng		JM
A	9/27/43	ADDED DETAIL INST. & A-792 & AA753 = SPKS				JM
Rev	Date	Revisions Seamless First Used	Drawn	By		Appd

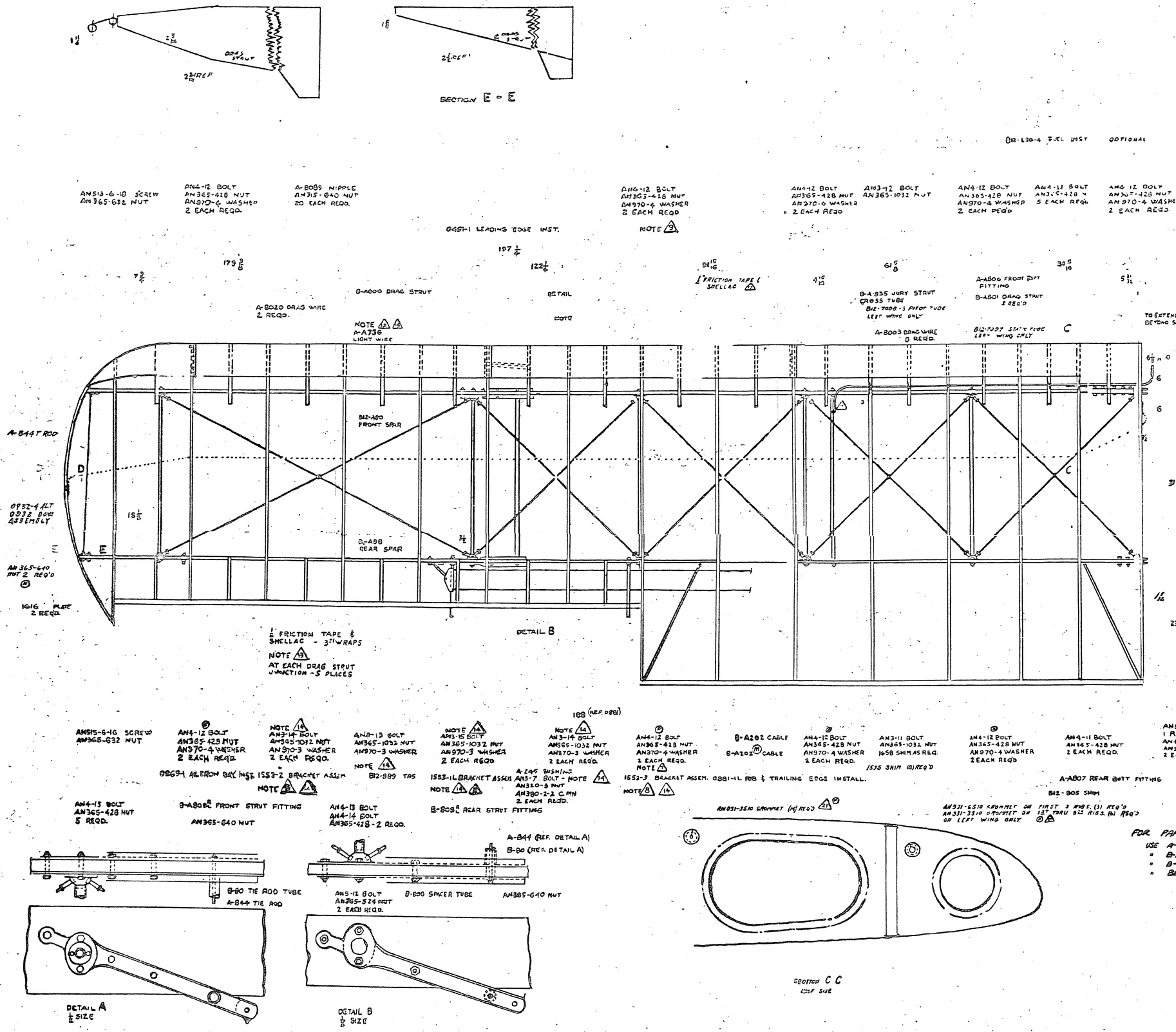
TAYLORCRAFT AVIATION CORP., ALLIANCE, O.

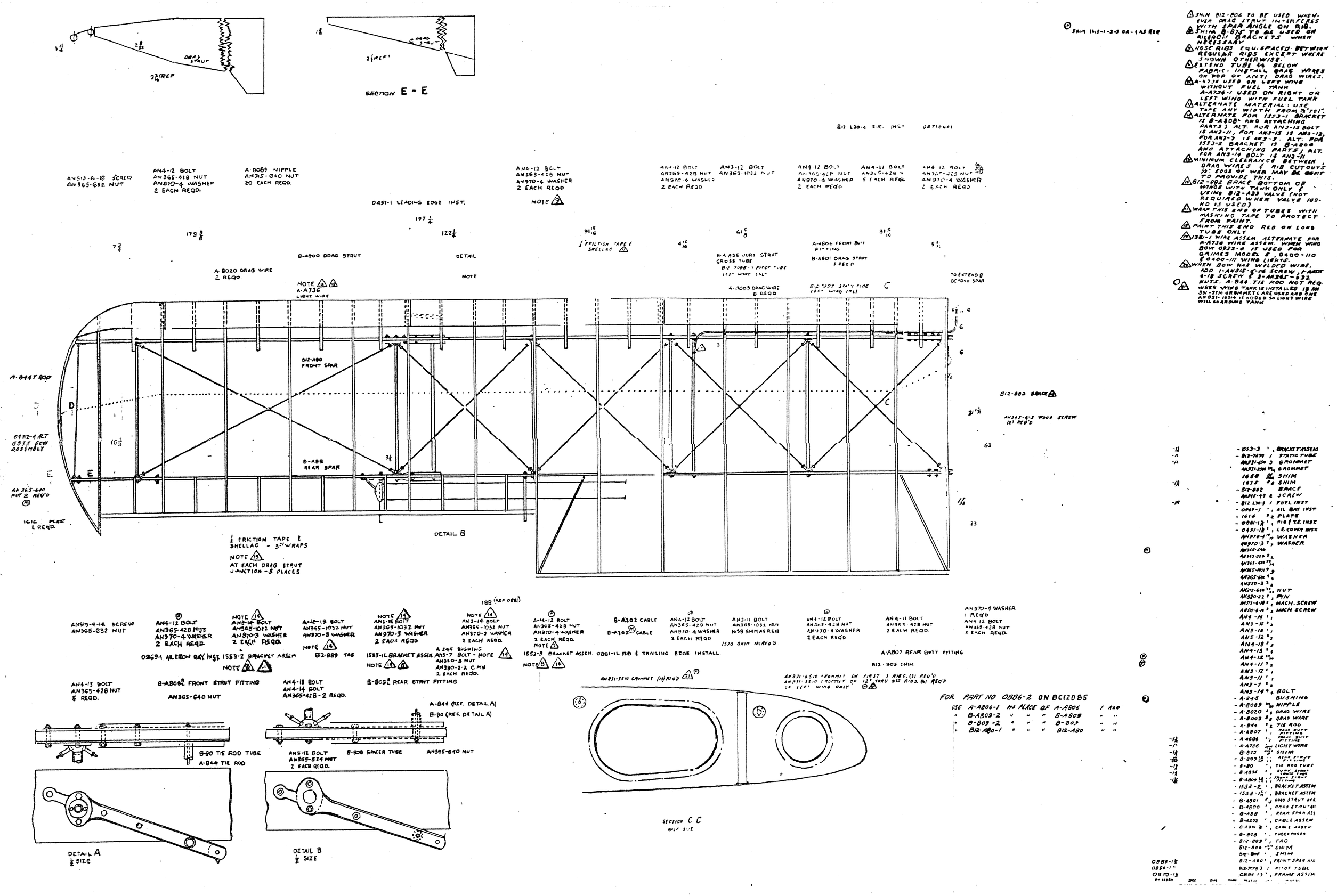
B-1

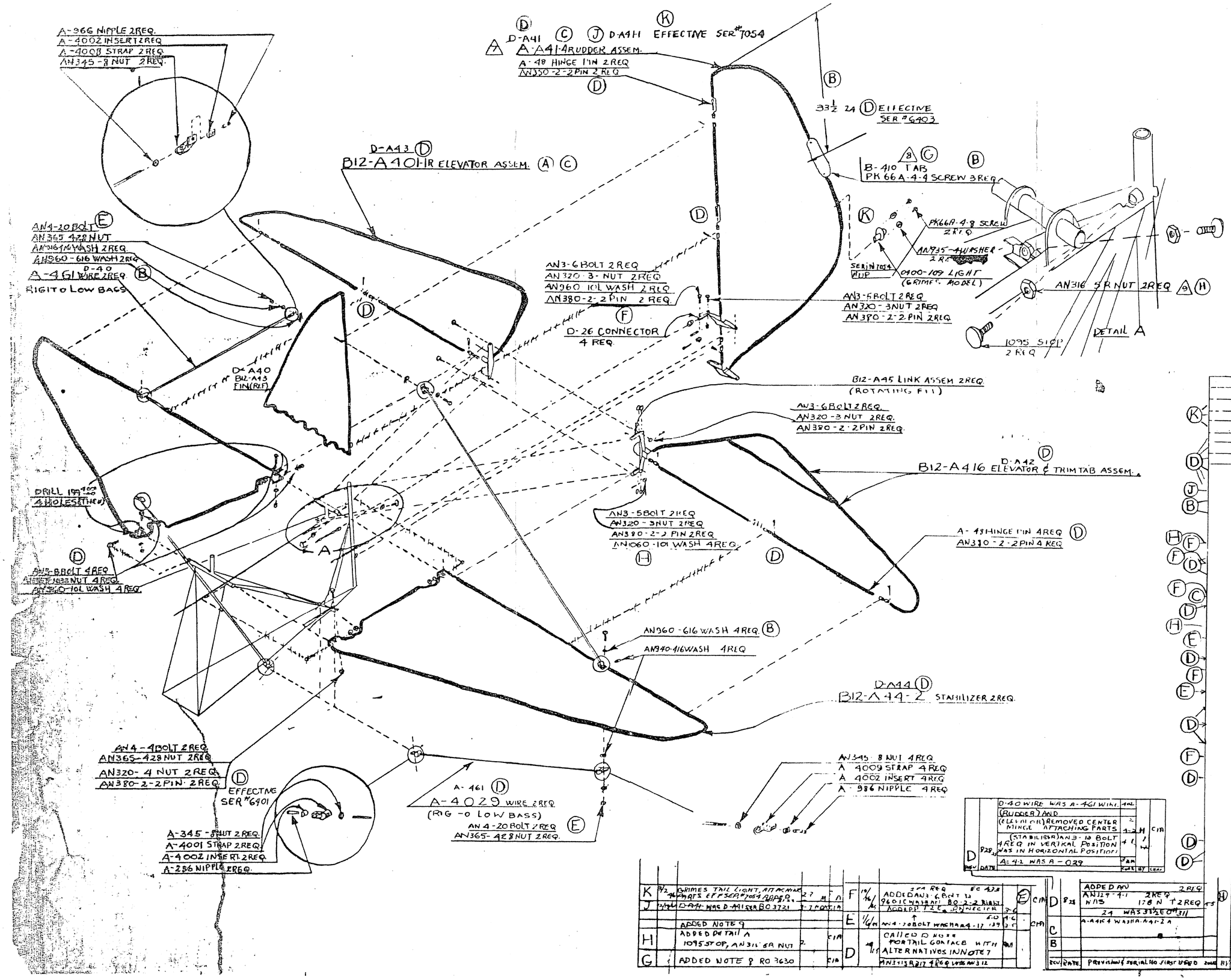
ALIGHTING GEAR INSTALLATION

Size E

0866


SECTION E - E
DRAG STRUT
AN513-6-10 SCREW
AN365-632 NUT
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD.
A-8089 NIPPLE
AN315-640 NUT
20 EACH REQD.
AN6-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
0451-1 LEADING EDGE INST.
NOTE
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
AN3-12 BOLT
AN365-1032 NUT
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
AN6-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
B12-L30-4 FUEL INST OPTIONAL
FRICTION TAPE & SHELLAC
A-8020 DRAG WIRE
2 REQD.
B-8000 DRAG STRUT
DETAIL
NOTE
A-A736
LIGHT WIRE
B-A835 JURY STRUT
GROSS TUBE
B12-7000-3 PITOT TUBE
LEFT WING ONLY
A-8006 FRONT DIFT FITTING
B-A801 DRAG STRUT
5 REQ'D
A-8003 DRAG WIRE
0 REQ'D
B12-7037 STATIC TUBE
LEFT WING ONLY
TO EXTEND 8" BEYOND SPAR
A-844 T ROD
B12-A00
FRONT SPAR
B12-882 BRACE
AN365-4-3 WOOD SCREW
121 REQ'D
0932-4 ALT
0932 BOW
ASSEMBLY
D-A88
REAR SPAR
AN 365-640
NUT 2 REQ'D
1616 PLATE
2 REQ.
FRICTION TAPE & SHELLAC - 3 WRAPS
NOTE
AT EACH DRAG STRUT
JUNCTION - 5 PLACES
DETAIL B
AN515-6-16 SCREW
AN365-632 NUT
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
NOTE
AN3-14 BOLT
AN365-1032 NUT
AN970-3 WASHER
2 EACH REQD.
AN3-13 BOLT
AN365-1032 NUT
AN970-3 WASHER
NOTE
B12-889 TAB
NOTE
AN3-15 BOLT
AN365-1032 NUT
AN970-3 WASHER
2 EACH REQD
NOTE
AN3-14 BOLT
AN365-1032 NUT
AN970-3 WASHER
2 EACH REQD.
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQ.
NOTE
B-A202 CABLE
B-A202 CABLE
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQ.
AN3-11 BOLT
AN365-1032 NUT
1658 SHIM AS REQ.
1575 SHIM 13 REQ'D
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQ'D
AN4-11 BOLT
AN365-428 NUT
2 EACH REQ.
AN970-4 WASHER
1 REQ'D
AN4-12 BOLT
AN365-428 NUT
2 EACH REQD.
0869-1 AILERON BAY INST.
1553-2 BRACKET ASSEM
NOTE
1553-1L BRACKET ASSEM
NOTE
A-245 BUSHING
AN3-7 BOLT - NOTE
AN310-3 NUT
AN380-2-2 C PIN
2 EACH REQD.
1553-3 BRACKET ASSEM. 0881-1L RIB & TRAILING EDGE INSTALL.
NOTE
A-A807 REAR BOTT FITTING
B12-805 SHIM
AN4-13 BOLT
AN365-428 NUT
5 REQ.
B-A808 FRONT STRUT FITTING
AN365-640 NUT
AN4-13 BOLT
AN4-14 BOLT
AN365-428 - 2 REQ.
B-809 REAR STRUT FITTING
A-844 (REF. DETAIL A)
B-80 (REF. DETAIL A)
B-80 TIE ROD TUBE
A-844 TIE ROD
AN3-12 BOLT
AN365-524 NUT
2 EACH REQ.
B-800 SPACER TUBE
AN365-640 NUT
DETAIL A
1/2 SIZE
DETAIL B
1/2 SIZE
AN931-3510 GROMMET (4) REQ'D
AN931-6510 GROMMET ON FIRST 3 RIBS. (3) REQ'D
AN931-3510 GROMMET ON 1ST THRU 8TH RIBS. (6) REQ'D
ON LEFT WING ONLY.
SECTION C C
FULL SIZE
FOR PART NO 0886-2 ON BC12D B5
USE A-A806-1 IN PLACE OF A-A805 1 REQ
" B-A808-2 " " " B-A809 " "
" B-809-2 " " " B-809 " "
" B12-A80-1 " " " B12-A80 " "
AN931-6510 GROMMET (4) REQ'D
AN931-3510 GROMMET ON 1ST THRU 8TH RIBS. (6) REQ'D
ON LEFT WING ONLY.
AN365-4-3 WOOD SCREW
121 REQ'D
- 1553-3 1 BRACKET ASSEM
- B12-7037 1 STATIC TUBE
AN931-6C 3 GROMMET
AN931-3C 3 GROMMET
16 80 2 SHIM
1875 4 SHIM
- B12-882 BRACE
AN365-4-3 2 SCREW
- B12-L30-4 1 FUEL INST
- 0869-1 1 AIL BAT INST
- 1616 2 PLATE
- 0881-1L 1 RIB & TE INST
- 0471-1L 1 LE COVER INST
AN970-4 6 WASHER
AN970-3 7 WASHER
AN515-8-8 2
AN365-524 2
AN365-632 4
AN365-428 9
AN365-428 8
AN365-428 2
AN320-3 2
AN515-640 4 NUT
AN380-2-2 1 PIN
AN515-6-8 2 MACH. SCREW
AN515-6-8 2 MACH SCREW
AN4-14 1
AN4-6 2
AN4-13 2
AN5-12 2
AN4-15 2
AN4-13 6
AN4-15 2
AN4-11 2
AN4-12 1
AN3-11 1
AN3-7 2
AN3-14 4 BOLT
A-245 BUSHING
A-8089 2 NIPPLE
A-8020 2 DRAG WIRE
A-8003 8 DRAG WIRE
A-800 2 TIE ROD
A-A807 1 REAR BOTT FITTING
A-A806 1 FRONT BOTT FITTING
A-A736 1 LIGHT WIRE
B-835 2 SHIM
B-809 4 REAR STRUT FITTING
B-80 2 TIE ROD TUBE
B-A835 1 JURY STRUT
B-809 4 1 FITTING
1553-2 1 BRACKET ASSEM
1553-1L 1 BRACKET ASSEM
B-A801 1 DRAG STRUT
B-8000 1 DRAG STRUT
B-A80 1 REAR SPAR ASS
B-A202 1 CABLE ASSEM
B-A202 1 CABLE ASSEM
B-898 1 TABS PRESS
B12-889 1 TAB
B12-806 2 SHIM
B12-805 1 SHIM
B12-A80 1 FRONT SPAR CAP
B12-7000-3 1 PITOT TUBE
0886-2 1 FRAME ASSEM
0869-1R
0869-1L
0870-1R
0870-1L
TAYLORCRAFT AVIATION CORP. ALLIANCE, O.


SECTION E - E
DRAG STRUT
AN513-6-18 SCREW
AN365-632 NUT
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD.
A-8089 NIPPLE
AN315-640 NUT
20 EACH REQD.
0491-1 LEADING EDGE INST.
B-A800 DRAG STRUT
DETAIL
A-8020 DRAG WIRE
2 REQD
NOTE
A-A736
LIGHT WIRE
B12-A80
FRONT SPAR
B-A88
REAR SPAR
A-844 T ROD
0882-4 ALT
0882 ECW
ASSEMBLY
AN365-640
NUT 2 REQ'D
1616 PLATE
2 REQD.
FRICTION TAPE &
SHELLAC - 3" WRAPS
NOTE
AT EACH DRAG STRUT
JUNCTION - 5 PLACES
DETAIL B
B12 L30-4 F.E. INST
OPTIONAL
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
AN3-12 BOLT
AN365-1032 NUT
AN4-13 BOLT
AN365-428
5 EACH REQ.
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
FRICTION TAPE &
SHELLAC
B-A835 JURY STRUT
CROSS TUBE
B12 T098-1 PITOT TUBE
(LEFT WING ONLY)
A-8006 FROM BUTT
FITTING
B-A801 DRAG STRUT
5 REQ'D
A-8003 DRAG WIRE
8 REQD
B12-T097 STATIC TUBE
(LEFT WING ONLY)
TO EXTEND B
BEYOND SPAR
B12-B03 BRACE
AN515-6-3 WOOD SCREW
(2) REQ'D
AN515-6-16 SCREW
AN365-632 NUT
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
NOTE
AN3-14 BOLT
AN365-1032 NUT
AN970-3 WASHER
2 EACH REQD
AN3-13 BOLT
AN365-1032 NUT
AN970-3 WASHER
NOTE
B12-889 TAG
NOTE
AN3-15 BOLT
AN365-1032 NUT
AN970-3 WASHER
2 EACH REQD
NOTE
AN3-14 BOLT
AN365-1032 NUT
AN970-3 WASHER
2 EACH REQD.
NOTE
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD.
NOTE
B-A102 CABLE
B-A102 CABLE
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
AN3-11 BOLT
AN365-1032 NUT
1658 SHIM AS REQ
AN4-12 BOLT
AN365-428 NUT
AN970-4 WASHER
2 EACH REQD
AN4-11 BOLT
AN365-428 NUT
2 EACH REQD.
AN970-4 WASHER
1 REQ'D
AN4-12 BOLT
AN365-428 NUT
2 EACH REQD.
0869-1 AILERON BAY INST 1553-2 BRACKET ASSEM
NOTE
1553-1L BRACKET ASSEM
NOTE
A-245 BUSHING
AN3-7 BOLT - NOTE
AN310-3 NUT
AN380-2-2 C.PIN
2 EACH REQD.
1552-3 BRACKET ASSEM. 0881-1L RIB & TRAILING EDGE INSTALL
NOTE
1515 SHIM 181 REQ'D
A-807 REAR BUTT FITTING
B12-805 SHIM
AN515-6-16 SCREW
AN365-632 NUT
AN4-13 BOLT
AN365-428 NUT
5 REQD.
B-A806 FRONT STRUT FITTING
AN365-640 NUT
AN4-13 BOLT
AN4-14 BOLT
AN365-428 - 2 REQD.
B-803 REAR STRUT FITTING
A-844 (REF. DETAIL A)
B-80 (REF. DETAIL A)
B-80 TIE ROD TUBE
A-844 TIE ROD
AN5-12 BOLT
AN365-524 NUT
2 EACH REQD.
B-808 SPACER TUBE
AN365-640 NUT
DETAIL A
1/1 SIZE
DETAIL B
1/1 SIZE
AN931-3510 GROMMET (14) REQ'D
AN931-6510 GROMMET ON FIRST 3 RIBS. (3) REQ'D
AN931-3510 GROMMET ON 1ST THRU 5TH RIBS. (6) REQ'D
ON LEFT WING ONLY
SECTION C C
HALF SIZE
FOR PART NO 0886-2 ON BC12D B5
USE A-A806-1 IN PLACE OF A-A806 1 REQ
" B-A803-2 " " " B-A803 " "
" B-803-2 " " " B-803 " "
" B12-A80-1 " " " B12-A80 " "
SHIM 1615-1-2-3 OR-4 AS REQ
SHIM B12-806 TO BE USED WHENEVER DRAG STRUT INTERFERES WITH SPAR ANGLE ON RIB.
SHIM B-873 TO BE USED ON AILERON BRACKETS WHEN NECESSARY.
NOSE RIBS EQU. SPACED BETWEEN REGULAR RIBS EXCEPT WHERE SHOWN OTHERWISE.
EXTEND TUBE 4A BELOW FABRIC. INSTALL DRAG WIRES ON TOP OF ANTI DRAG WIRES.
A-A736 USED ON LEFT WING WITHOUT FUEL TANK
A-A736-1 USED ON RIGHT OR LEFT WING WITH FUEL TANK
ALTERNATE MATERIAL: USE TAPE ANY WIDTH FROM 3/4" TO 1".
ALTERNATE FOR 1553-1 BRACKET IS B-A808 AND ATTACHING PARTS) ALT. FOR AN3-13 BOLT IS AN3-11, FOR AN3-15 IS AN3-12, FOR AN3-7 IS AN3-5. ALT. FOR 1553-2 BRACKET IS B-A806 AND ATTACHING PARTS) ALT. FOR AN3-14 BOLT IS AN3-11
MINIMUM CLEARANCE BETWEEN DRAG WIRES & RIB CUTOUTS 1/2" EDGE OF WEB MAY BE BENT TO PROVIDE THIS.
B12-882 BRACE BOTTOM OF WING WITH TANK ONLY & USING B12-A30 VALVE (NOT REQUIRED WHEN VALVE 109-HD IS USED.)
WRAP THIS END OF TUBES WITH MASKING TAPE TO PROTECT FROM PAINT.
PAINT THIS END RED ON LONG TUBE ONLY
381-1 WIRE ASSEM. ALTERNATE FOR A-A736 WIRE ASSEM. WHEN WING BOW 0923-4 IS USED FOR GRIMES MODEL E, 0400-110 F0400-101 WING LIGHTS.
WHEN BOW HAS WELDED WIRE, ADD 1-AN315-6-16 SCREW, 1-AN515-6-16 SCREW & 3-AN365-632 NUTS. A-844 TIE ROD NOT REQ.
WHEN WING TANK IS INSTALLED IN AN 531-3510 GROMMETS ARE USED AND ONE AN 931-10310-18 IS ADDED SO LIGHT WIRE WILL GO AROUND TANK
-12 - 1553-3 1 BRACKET ASSEM
-11 - B12-T097 1 STATIC TUBE
-12 AN931-6510 3 GROMMET
AN931-3510 14 GROMMET
1858 SHIM
1878 SHIM
-12 - B12-882 BRACE
AN515-6-3 2 SCREW
-14 - B12 L30-4 1 FUEL INST
- 0869-1 1 AIL BAY INST.
- 1616 2 PLATE
- 0881-1 1 RIB & T.E. INST
- 0491-1 1 L.E. COVER INST
AN970-4 17 WASHER
AN970-3 7 WASHER
AN315-640
AN365-524 2
AN365-428 34
AN365-1032 9
AN365-632 5
AN220-3 2
AN315-640 15 NUT
AN320-22 2 PIN
AN515-6-18 3 MACH. SCREW
AN515-6-16 2 MACH. SCREW
AN4-14 1
AN3-15 1
AN3-13 1
AN5-12 3
AN4-15 5
AN4-13 5
AN4-12 20
AN4-11 2
AN3-12 1
AN3-11 1
AN3-7 2
AN3-14 4 BOLT
- A-245 BUSHING
- A-8089 20 NIPPLE
- A-8020 2 DRAG WIRE
- A-8003 8 DRAG WIRE
- A-844 2 TIE ROD
- A-A807 1 REAR BUTT FITTING
- A-A806 1 FRONT BUTT FITTING
- A-A736 LIGHT WIRE
B-873 SHIM
-12 - B-803 FRONT STRUT FITTING
-14 - B-80 1 TIE ROD TUBE
-12 - B-A835 1 JURY STRUT CROSS TUBE
-12 - B-A809 FRONT STRUT FITTING
- 1553-2 1 BRACKET ASSEM
- 1553-1 BRACKET ASSEM
- B-A801 DRAG STRUT ASS
- B-A800 DRAG STRUT ASS
- B-A88 1 REAR SPAR ASS
- B-A202 1 CABLE ASSEM
- B-A201 CABLE ASSEM
- B-808 TUBE SPACER
- B12-889 1 TAG
B12-806 SHIM
B12-8HF SHIM
B12-A80 1 FRONT SPAR ASS
B12-T098 3 1 PITOT TUBE
0886-1 FRAME ASSEM
0886-1 1/2
0886-1 1/2
0870-1 1/2



NOTES:
1. FOR A.A. REF ONLY, FAILED ORC A.A. APPROVED
2. WHEREVER AN OR SOLDY BOLT & SCREW IS CALLED MATERIAL AN 960 FOR BOLTS WAS H115 (2024-T4) MAY BE USED
3. SPEC NO AND PINS & NO ARE TOP & STANDARD
4. ALL AN BOLTS TO LATEST REVISIONS
5. ASTERISK INDICATES - UNLESS OTHERWISE STATED
6. ALL SHEET TO SPEC HOLES.

(D) (A) ALTERNATIVE: TWL SURFACES:
A-A41-4 RUDDER
B12-A43 PIN (REF).
B12-A44-2 STABILIZER.
B12-A401-1R ELEVATOR
B12-A416 ELEVATOR & TRIM TAB.

(G) (B) RUDDER TRIM TAB MAY BE INSTALLED ON LEFT OR RIGHT SIDE OF RUDDER.

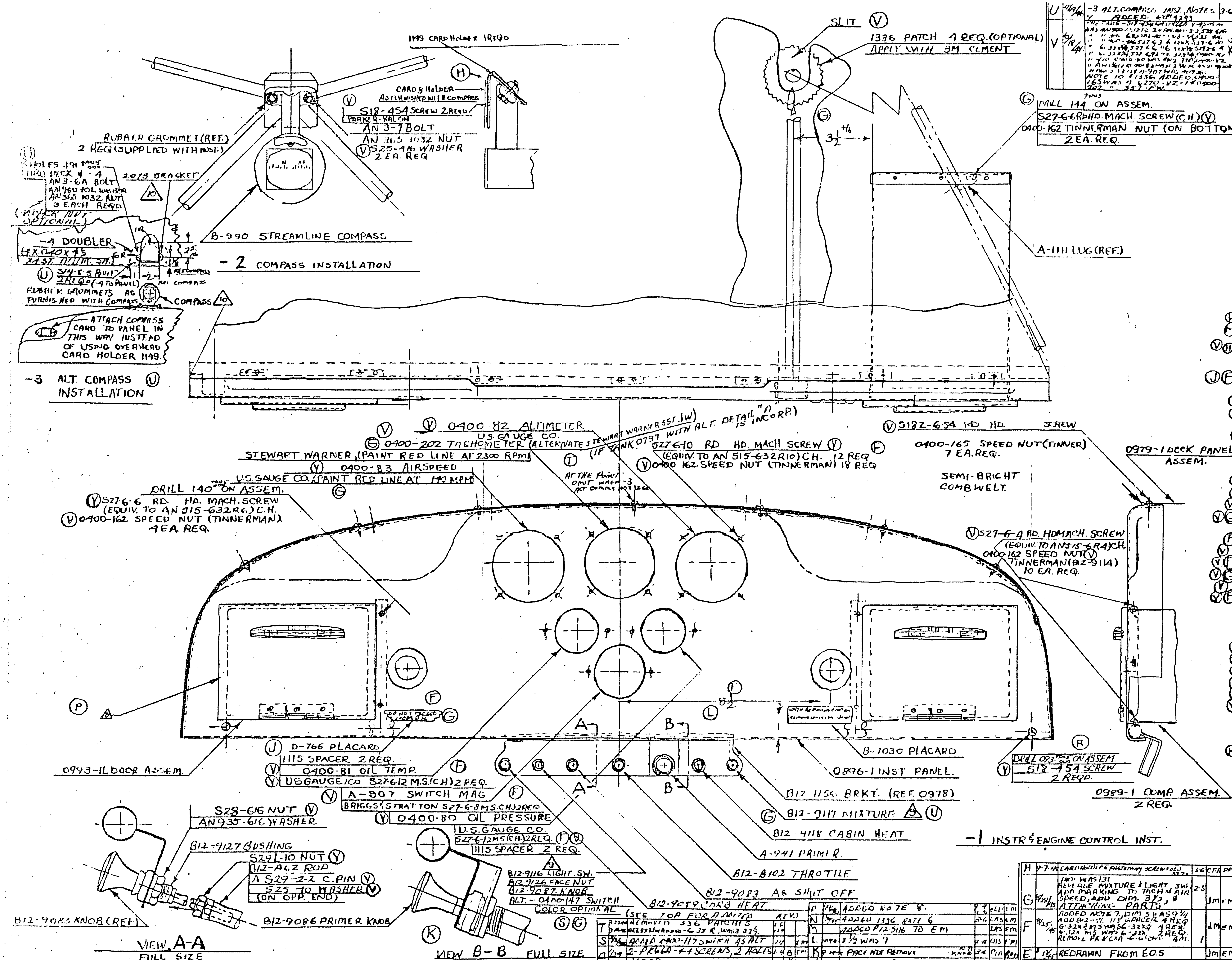
(H) (A) WHEREVER AN PARTS ARE CALLED ON THIS DWG EQUIV. PARTS MAY BE USED.

	AN935-4	2	WASHER
	PK66A-4-8	2	SCREW
(GRIMES MODEL)	0900-109	1	TAIL LIGHT
	D-40	2	
	A 461	2	WIRE
	D-A-4	2	STABILIZER ASSEM
	D-A43	1	ELEVATOR ASSEM
	D-A42	1	ELEVATOR
	D-A41-1	1	RUDDER ASSEM
	PK66A-4-3	3	SCREW
	B-410	1	TAB
	AN940-416	6	
	AN960-616	6	A
	AN960-10	10	WASH
	AN310-22	16	PIN
	AN310-4	2	↑
	AN345-8	8	↑
	AN320-3	8	
	AN365-428	3	↑
	AN365-1032	4	NUT
	AN316-5R	2	NUT
	AN4-17	1	
	AN4-4	2	↑
	AN3-13	4	
	AN3-6	4	
	AN3-5	4	BOLT
	AN4-20	3	NUT
	B12-A416	1	ELEVATOR & TRIM TAB ASSEM
	B12A401-1R	1	ELEVATOR ASSEM
	B12-A43	2	LINK ASSEM.
	B12-A44-2	2	STABILIZER
	D-26	4	CONNECTOR
	1095	2	STOP
	A-4029	2	WIRE
	A-4009	4	↑
	A-2008	2	STRAP
	A-4002	8	INSERT
	A-4001	2	STRAP
	A-256	5	NIPPLE
	A-431	2	WIRE
	AN 18	6	SINGLE PIN
699521	A-A-41A	1	RUDDER ASSEM
04819			0495

REV	DATE	
D	8-28	D-40 WIRE WAS A-461 WIRE. (RUDDER) ADD (ELIMINATE) REMOVED CENTER HINGE ATTACHING PARTS. (STABILIZER) AN3-10 BOLT 4 REQ IN VERTICAL POSITION WAS IN HORIZONTAL POSITION. A-42 WAS A-029
K	8/2	GRIMES TAIL LIGHT, ATTACHING PARTS EFF SER #7054 ADDED.
J		D-A41 WAS D-A41 SER B0 3721
		ADDED NOTE 9
H		ADDED DETAIL A 1095 STOP, AN316-5R NUT
G		ADDED NOTE 8 RO 3630
F	10/16	2 FA REQ FOR A23 ADDED AN3-6 BOLT 2 9601C WASHER 80-2-2 BOLT ADDED TZE CONNECTOR
E	11/6	AN4-20 BOLT WAS AN4-17
D	11/11	CALLED D NOTE FOR TAIL CONTACT WITH ALTERNATIVES IN NOTE 7 AN3113R217 4 REQ WAS AN312
D	8-28	ADDED AN 2 REQ AN127-4-1 2 REQ WAS 178 N 2 REQ 24 WAS 33 SER 311 A-A41-4 WAS A-A41-2 A
		PREVIOUS SERIAL NO FIRST USED

TAYLORCRAFT AVIATION CORP. ALLIAN

0495



U	4/11/46	-3 ALT. COMPASS INST. NOTES 3-C ADDED. EO 4293			M	EJM
V	6/18/46	WAS 2053-S13-434; 9-45 AN960-10L... S27-6-6 ... S182-6-54 ... 0400-80 WAS ... A-907 WAS ... NOTE 10 #1336 ADDED. 0400-165 WAS A-6270-82-7; 0400-202 " 557-JW			M	EJM

F WHEN INSTRUMENTS ARE SUPPLIED WITH MOUNTING NUTS INTEGRAL WITH CASE TINNERMAN NUTS SHOULD NOT BE USED.

P ⚠8 OPTIONAL DELUXE RADIO INSTALLATION 1576-1

U ⚠9 WHEN LIGHT SWITCH AND MIXTURE CONTROL ARE OMITTED, PLUG HOLE WITH SNAP BUTTON B12-924

V ⚠10 COMPASS D-979 USED WITHOUT 2073 BRACKET, OR ANY COMPASS WITH "AN" TYPE MOUNTING PATTERN WITH 2073 BRACKET MAY BE USED.

V	-1			1336	4	PATCH
M	-1			B12-7116	1	LIGHT SWITCH
V H	-1 -2			S18-454	2	SCREW
	-2			1149	1	BRACKET
J F				1115	4	SPACER
				D-766	1	PLACARD
				0896-1	1	INST. PANEL
V				S25-10	1	WASHER
V				S29-22	1	C PIN
				AN935-616	1	WASHER
V				S28-616	1	NUT
				0993-1L	1	DOOR ASSEMBLY
				0989-1	2	COMPART. ASSY.
				0979-1	1	DECK PANEL ASSY
V	-1			S281-10	1	NUT
Y	-2			S25-416	2	WASHER
V				0400-165	7	SPEED NUT
Y G	-1			0400-162	34	SPEED NUT
	-2			AN365-1032	2	NUT
F				S27-6-4	10	
V T				S27-6-8	2	MACH SCREW
Y F				S27-6-10	12	MACH. SCREW
V G				S27-6-6	6	MACH SCREW
V	-1			S182-6-54	7	SCREW
Y F				S27-6-12	4	MACH. SCREW
				AN3-7	2	BOLT
	-2			B-990	1	COMPASS
						0894
V				0400-80	1	OIL PRESSURE
Y				0400-82	1	ALTIMETER
Y				0400-83	1	AIRSPEED
V				0400-81	1	OIL TEMP.
Y				A-907	1	SWITCH MAG
V				0400-202	1	TACHOMETER
				B12-9087	1	KNOB
				B12-A62	1	ROD ASSEM.
				B12-9127	1	BUSHING
K				B12-9126	1	FACE NUT
				B12-9118	1	CABIN HEAT
				B12-9117	1	MIXTURE
				B12-9102	1	THROTTLE
				B12-9089	1	CARB HEAT
				B12-9086	1	PRIMER KNOB
				B12-9085	1	GAS SHUT OFF KNOB
				B12-924	1	BUTTON
				B-7030	1	PLACARD
				A-941	1	PRIMER
0894-1				-2	1	COMPASS INST.
0895-1				-1	1	INSTR. ENG. INST.
ON ASSEM.	SPEC.	KIND		PART NO.	UNIT	TITLE

T		REMOVED 336 PATCHES; S27-6-3 R. WAS 3 3/4				
S		ADDED 0400-117 SWITCH AS ALT				
Q		2-PK6A-4-4 SCREWS, 2 HOLES ADDED				
P		ADDED NOTE 8.				EM
N		ADDED 1336 RATE 6			LAS	EM
M		ADDED P12 5116 TO EM			LAS	EM
L		8 1/2 WAS 7				
K		FACE NUT REMOVE KNOB		3-4		RPH
J		D-766 WAS B12-76 55 3604		3-4		RPH
H	9-7-45	CARD HOLDER FASTENING SCREWS DEL.		3-6	CTB	DPM
G	8/28/45	140 WAS 131; REVISE MIXTURE & LIGHT SW. ADD MARKING TO TACH. & AIR SPEED, ADD DIM. 3 1/2, & ATTACHING PARTS		2-5	JM	EM
F	8/25/45	ADDED NOTE 7, DIM 5 1/2 WAS 9 1/4; ADD B12-71 1115 SPACER 4 REQ; G-32 x 3/8 MS WAS G-32 x ... 4 REQ; 6-32 x MS WAS 6-32 ... 2 REQ; REMOVE PK ...			JM	EM
E	8-1-45	REDRAWN FROM EOS			JM	EM
REV	DATE	REVISION & SERIAL NO. FIRST USED		ZONE	BY	CHKD

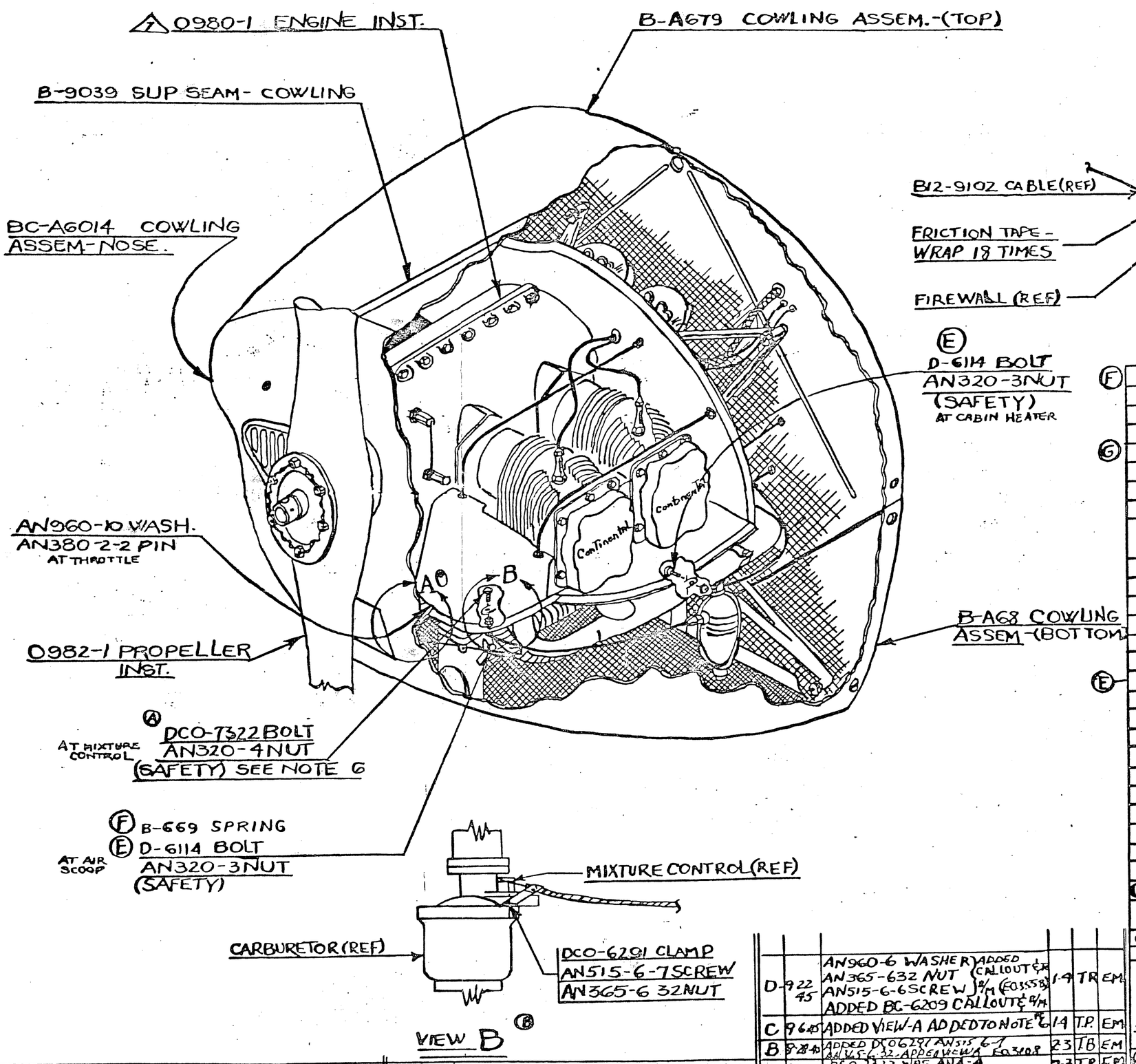
TAYLORCRAFT AVIATION CORP., ALLIANCE, O.

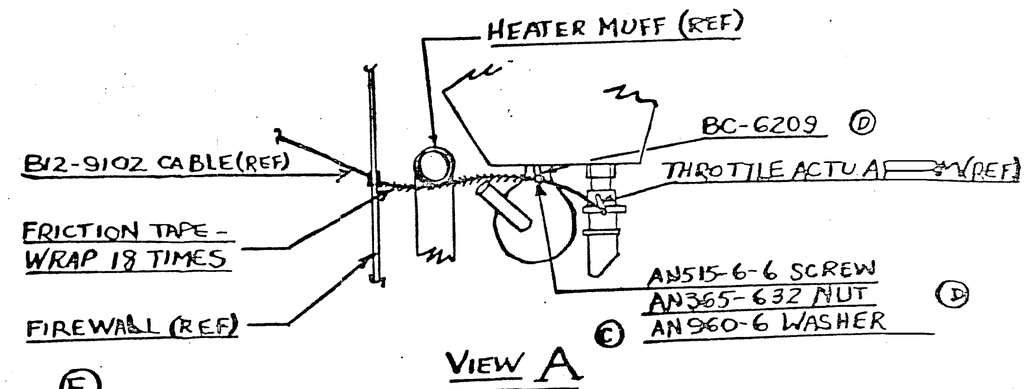
SCALE: HALF SIZE — DRAWN J.L.M. DATE 8-1-45 — E

INSTRUMENT & ENGINE CONTROL INSTALLATION — 0894

NOTES: 1. FOR C.A.A. REF. ONLY, MATL IS OR C.A.A. APPROVED EQUIV
2. WHEREVER AN OR EQUIV. BOLT & SCREW IS CALLED MATCHING AN 960 OR EQUIV. WASHERS (2 MAX.) MAY BE USED *
3. SPEC. NO. AND FINISH NO. ARE TCPC STANDARD
4. ALL AN SPECS TO LATEST REVISION.
5. ASTERISK INDICATES — UNLESS OTHERWISE STATED.
6. ALL SAFETYING TO SPEC. NO. 112 OR TO MS20995 SERIES.

(C) ⚠ INSTALLATION 0868-2, APPROVAL BC12285 (A)
USE 0980-2 INSTEAD OF 0980-1





VIEW A
FROM OPP SIDE

VIEW B (B)

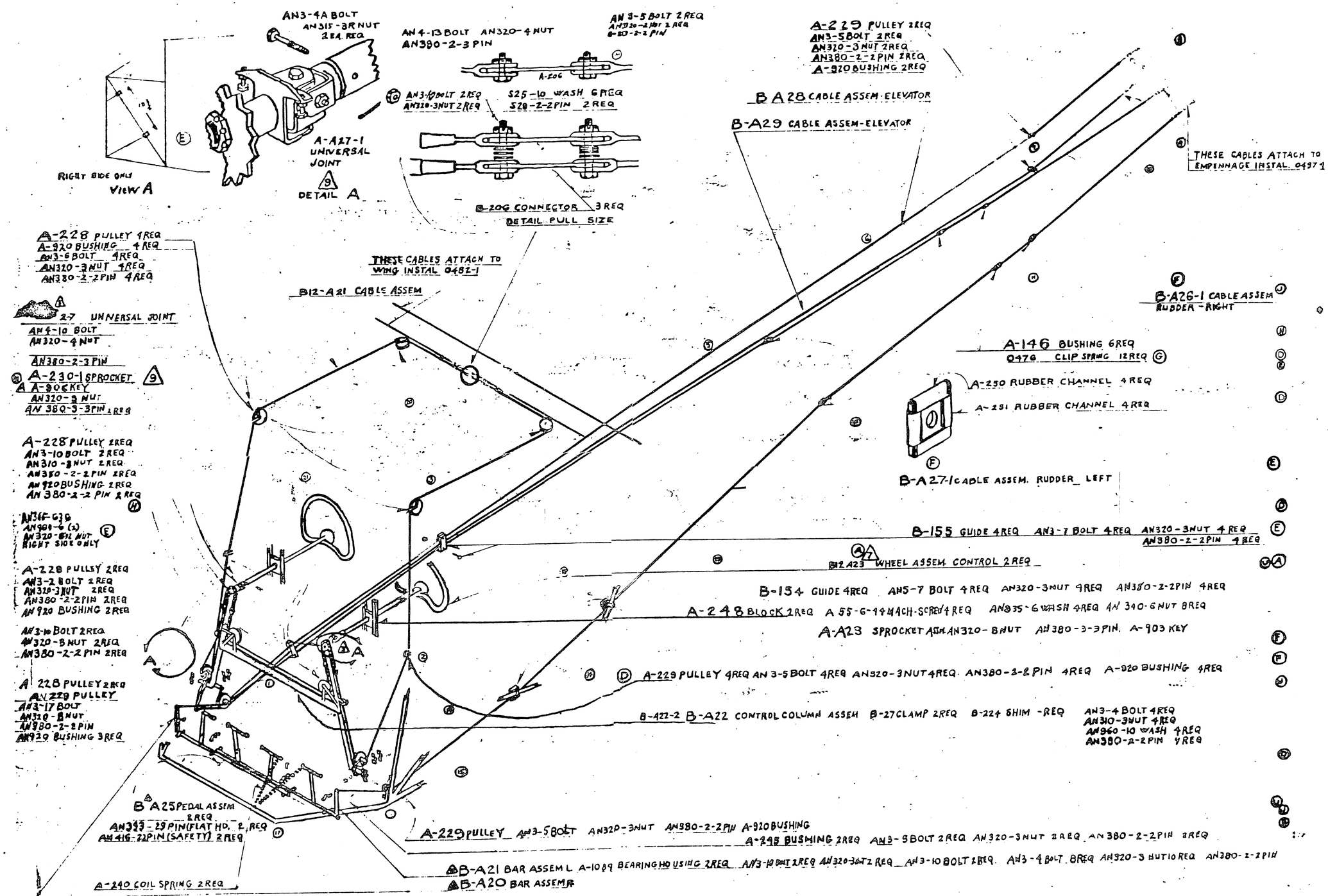
(F)			B-669	1	SPRING	
			AN960-6	1	WASHER	(D)
			AN515-6-6	1	SCREW	(D)
			BC-6209	1	CLAMP	(D)
(G)		COMMERCIAL FRICTION	TAPE		1/2 X 25	(C)
			AN960-10	1	WASH.	
			AN380-2-2	1	PIN	
					0868	
			AN320-4	1		
			AN365-632	2		
			AN320-3	2	NUT	(B)
			AN515-6-7	1	SCREW	(B)
			DCO-7322	1		(A)
(E)			D-6114	2	BOLT	
			0982-1	1	PROPELLER	
			BCA6014	1	COWLING-NOSE	
			B-A679	1	COWLING ASSEM-TOP	
		⚠	0980-1	1	ENGINE INST.	
			DCO-6291	1	CLAMP	(B)
			B-A681	1	COWLING-BOT.	
0868-1			B-9039	1	SLIP SEAM	
0863-1			0868-1	1	INST.	

ASSEM.	SPEC.	KIND	FORM	PART NO.	UNIT	WT. LBS.

D	9 22 45	AN960-6 WASHER AN365-632 NUT AN515-6-6 SCREW ADDED BC-6209 CALLOUT	ADDED CALLOUT (E) B/M (E03558) CALLOUT (E) B/M	1-9	TR	EM	
C	9 6 45	ADDED VIEW-A ADDED TO NOTE 6		1-9	T.P.	EM	
B	8 28 45	ADDED DCO 6291 AN515-6-7 AN365-632 ADDED WCWA	EO3408	2-3	TB	EM	
A	8 22 45	DCO-7322 WAS AN4-4 INCORPORATED 3107		2-3	T.P.	EM	

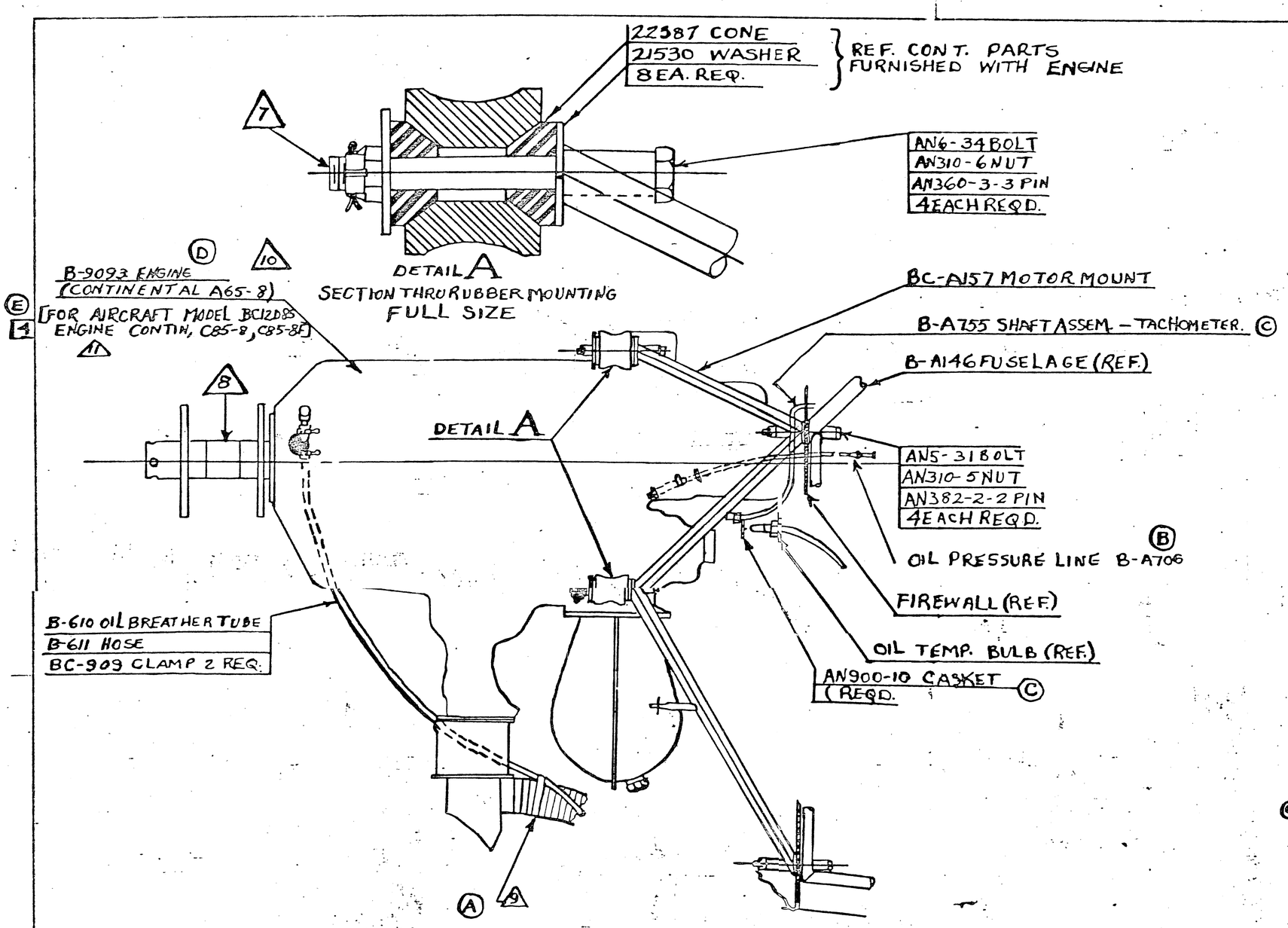
65 HP & 85 HP SEE NOTE 7	TAYLORCRAFT AVIATION CORP., ALL		
	LIMITS OR DIMS. ± FRACT. ± DEC. ± ANG. ± FINISH SPEC.	ANGULARITY TENTOL B ST. ACT.	SUPERSEDES NOVEL NOTES
		STR. APPR.	DRAWN DATE CHKD DATE
8/12		POWER PLANT	D 0868

H 2/1/44 0858-3 ADDED 1-9/CT
F 1228 ADDED B-669 SPRING CALLOUT 2-3 CH CIR



AN315-3L	2	NUT
AN4-3	2	BOLT
A-A27-1	1	UNIVERSAL JOINT
AN960-10	10	WASHER
AN315-6	4	
AN5-6-14	4	
AN320-3-3	4	
AN320-2-3	3	
AN380-2-2	43	PIN
AN310-6	9	
AN320-8	2	
AN320-4	2	
AN320-3	40	
AN310-3	4	NUT
AN416-22	2	(SAFETY)
AN393-29	2	PIN (FLAT HD)
AN4-13	2	BOLT
AN3-5	4	NUT
AN960-6	2	WASHER
AN3-10	4	BOLT
AN3-7	12	
AN3-6	6	
AN3-5	9	
AN3-4	12	BOLTS
AN515-66	1	
B12-A2	1	CABLE ASSEM
B-229	4	SHIM
A-A27	1	UNIVERSAL
B-206	2	CONNECTOR
B-155	4	GUIDE
B-154	4	
B901-1	1	BUMPER
B-A29	1	
B-A28	1	
B-A27-1	1	CABLE ASSEM
B-27	2	CLAMP
B-A26-1		CABLE ASSEM
B-A25	2	PEDAL ASSEM
B-A22-2	1	CONTROL ASSEM
B-A21	1	BAR ASSEM
B-A20	1	BAR ASSEM
A-251	4	
A-250	4	RUBBER CHANNEL
A-1089	2	
A-1088	2	BEARING HOUSING
A-920	18	BUSHING
A-903	2	KEY
A 248	2	BLOCK ASSM
A 240	2	COIL SPRING
A-A23	1	SPROCKET ASSEM
A-230-1	2	SPROCKET ASSEM
A-229	5	PULLEY
A-228	10	PULLEY
A 146	6	BUSHING
A 25	2	CLIP SPRING
0476	12	CLIP SPRING
B12-A23	2	WHEEL ASSEM

TAYLORCRAFT AVIATION CORP. ALLIANCE, O.



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3. SPEC. NO. AND PIN NO. ARE TEXT. STANDARD ★
4. ALL AN SPECS TO LATEST REVISIONS.
★ 5. ASTERISK INDICATES — UNLESS OTHERWISE STATED
6. ALL SAFETYING TO SPEC. NO. 112.

△ DRAW UP NUTS ON AN 6 BOLTS TO A TORQUE OF FROM 65 TO 75 IN. LBS. (REF. CONTINENTAL MEMO REPORT #5010)

△ PROPELLER SHAFT HUB & EXPOSED METAL PARTS NOT PROPERLY RUST PROOFED TO BE COATED WITH PAR-AL-KETONE "B" OR EQUIVALENT THINNED WITH EQUAL PARTS OF LEAD FREE GASOLINE.

(A) △ FASTEN WITH ½ INCH FRICTION TAPE - 6 WRAPS.

(D) △10 ALTERNATE ENGINE, 0400-195 (CONTINENTAL A65-8F) FLANGED CRANKSHAFT.

△ 0980-2, MODEL BC12D85 USE 2575 INSTEAD OF 0866-1 USE C-85 ENGINE IN PLACE OF A-65 AS DETAILED

0980

(C)			B-A755	1	SHAFT-ASSEM.
	-1		AN900-10	1	GASKET
		TAPE FRICT.			½ x 40
	-1		B6-909	2	CLAMP
	-1		B-611	1	HOSE
	-1		B-610	1	TUBE-OIL BREATHER
(B)			B-A706	1	OIL PRESS. LINE
	-1		BC-A157	1	MOUNT
	-1		AN380-3-3	4	PIN
	-1		AN380-2-2	4	PIN
	-1		AN310-6	4	NUT
	-1		AN310-5	4	NUT
	-1		AN6-34	4	BOLT
	-1		AN5-31	4	BOLT
	-1		BC-L637	1	COOLING INSTALL.
	-1		BC-L630	1	AT & EX STACK INST.
(D)	-1	△ △	B-9093	1	ENGINE-CONT.
	0980-1	△	0966-1	1	FUEL INSTALL.
	0868-1		0990-1	1	ENGINE INSTALL.
	ON ASSEM.		PART NO.	UNIT	W.I.T.X.L.

REV.	DATE	REVISION & SERIAL NO. FIRST USED	TOOL	BY	CHKD
E	1/31/48	MODEL BC12D85 & CONTINENT. C85-8 & C85-8F ADDED	2-4	KT.	HN
D	5/27/46	B-9093 WAS A-65-8 NOTE △ ADDED	1-3 1-4	AK	EM
C	12-9-45 11-30-45	ADD. B-A755 ADD OIL TEMP BULB & AN900-10	1-2-4 1-4	CIB JAS	CIA CIA
B	11-20-45	B-A706 WAS DCA7081-E093399	1-4	LAS	CIA
A	9-4-45	REVISED DWG OF BREATHER LINE & ADDED NOTE 9 N/A	2-4	LDS	E.M.

TAYLORCRAFT AVIATION CORP., ALLIANCE, O.

LIMITS ON DIMS ± FRAC. ± DEC. ± ANG. ± FINISH SPEC.

(1) HAND FINISH (2) SMOOTH FINISH (3) ROUGH FINISH (4) ROUGH FILE OR GRIND (5) SAND BLAST

NEAREST TENTHOUSAND EST. ACT. SUPERSEDES SCALE QUARTER DATE

STR. APPR. DRAWN BY DATE 6-22-45 CHKD B. J.M. DATE

DWG NAME: ENGINE INSTALLATION CONTINENTAL A-65 & C85

DWG NO. 0980

D