	REVISION RECORD		
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	07/29/09
Α	REVISE REV. LEVEL OF PACKAGE	D. B.	01/07/10
В	ITEM 8 AFT DIM LINE CHANGE	D. B.	11/02/10

## D'SHANNON PRODUCTS, LTD

## INSTALLATION MANUAL B6300 REV. F STC SA1176SO BEECH GAP SEALS

INSTALLATION DRAWINGS AND INSTRUCTIONS
HAWKER BEECHCRAFT MODELS:

35, A35, B35, C35, 35R, D35, E35, F35, G35 H35, J35, K35, M35, 35-33, N35, 35-A33 35-B33, P35, S35, 35-C33, E33, F33, V35 V35A, V35B, 35-C33A, E33A, 36, F33A G33, A36, A36TC AND G36.

D'SHANNON PRODUCTS, LTD 800-291-7616, INT'L 763-559-5998

ITEM QTY PART	l' No.		M	ATE	RIA	A L			
NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	ı		CDV	/ER SI	HEE	Т			
TOLERANCES .X10 .XXX01	D'S	HANN	VON	PROI	DUC	CTS	, L	$T_{\cdot}$	D
.XX03 .XXXX001 ANGLES ±5%	DWG.	No.	B63	00-1	REV	ISION		В	
UNLESS STATED	SCALE	: NDNE	DATE	07/29	/09	SH	1 [	IF	1

	REVISION RECORD										
LTR.	CHANGES	BY	DATE								
NC	RELEASED	D. B.	07/29/09								
Α	REVISE REV. LEVEL INDIVIDUAL DWGS.	D. B.	01/07/10								
В	ITEM 8 AFT LINE DIM CHANGE	D. B.	11/02/10								

## NUMERICAL DRAWING LIST CONTROL

DWG. No.	DATED REV.		No. SHTS	EFF. EO	EΠ	EΠ	EΠ	DESCRIPTION	
B6300-1	11/02/10	В		1					COVER SHEET
B6300-2	11/02/10	В		1					NUMERICAL DWG. LIST
B6300-3	01/07/10	Α		1					GENERAL NOTES
B6300-4	01/07/10	Α		1					PARTS LIST AND TOOLS
B6300-5	11/02/10	F		20					INSTALLATION GAP SEALS

ITEM QTY PART	No.		M	ATE	RIA	A L		
NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.		NUME	RICA	L DRA	۱IW	NG L	.IST	Γ
TOLERANCES .X10 .XXX01	D	SHANI	VON	PR01	DUC	CTS	, <i>L</i>	TD
.XX03 .XXXX001 ANGLES ±5%	DW	G. No.	B63	00-2	REV	ISION		В
UNLESS STATED	SCA	M.E. NUNE	DATE	07/29	) D	СH	1 🗆	F 1

	REVISION RECORD		
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	07/29/09
Α	REVISE GENERAL NOTE 2 AND 5	D. B.	01/07/10

- 9. COMPLETE FAA FORM 337, AND REVISE THE AIRCRAFT'S WEIGHT AND BALANCE. WEIGHT 2.5 LB @ F.S. 120
- 8. SHOULD ANY OF THE GAP SEAL PARTS REQUIRE REFINISHING, CLEAN AND WASH THE PARTS WITH PHOSPHORIC ACID PRIOR TO PAINT APPLICATION. ALL SURFACES MUST BE CLEAN AND DRY. APPLY ONE COAT OF DUPONT VARIPRIMER 615S OR EQUIVALENT. IF IT BECOMES NECESSARY TO REPLACE ANY OF THE TEFLON TAPE BECAUSE IT IS DAMAGED OR MISSING USE 3M SCOTCH 5491 PTFE FILM TAPE OR EQUIVALENT. USE THIS TAPE WHERE THE FACE OF THE SEAL COMES INTO CONTACT WITH THE FUSELAGE, AILERON OR FLAP. MAKE CERTAIN PROPER ADHESION IS ACHIEVED OR EQUIVALENT METHOD.
- 7. DO NOT APPLY FINISH PAINT TO THE TEFLON TAPE SURFACE WHEN PAINTING THE AIRCRAFT. THE INSTALLER WILL NOTE THE FOLLOWING WARNING IN THE FRONT INSIDE COVER OF THE AIRCRAFT LOGBOOK:

WARNING: DURING PAINTING, DO NOT APPLY PAINT TO THE TEFLON TAPE ON THE CONTROL SURFACE SIDE OF THE AILERON AND FLAP GAP SEALS.

- 6. THE AIRCRAFT'S BATTERY HAS TO BE FULLY CHARGED WITH A BATTERY CHARGER ATTACHED TO BATTERY AND OPERATING. THE REASON FOR THIS IS THAT THE TRAVEL OF THE FLAP IS FURTHER WITH HIGHER VOLTAGE ON THE MOTOR.
- 5. ALL WORKMANSHIP SHALL BE ACCOMPLISHED USING ACCEPTED MECHANICAL PRACTICES WITH COMPLIANCE TO FAA ADVISORY CIRCULAR AC43. 13-1B, OR LATER FAA APPROVED STANDARD AIRCRAFT PRACTICES.
- 4. IT IS IMPERATIVE FOR MAXIMUM PERFORMANCE OF THIS MODIFICATION THAT AILERONS AND FLAPS ARE PROPERLY RIGGED. IF A DOUBT EXISTS BEFORE THE BEGINNING OF THIS INSTALLATION, CHECK THE RIGGING FLAP TRAVEL, BALANCE OF AILERONS AND OVERALL GENERAL CONDITION OF THE CONTROL SURFACE. REPAIR OR REPLACEMENT REQUIREMENTS SHOULD BE FULFILLED AT THIS TIME.
- 3. DURING AND AFTER THIS INSTALLATION, CHECK AILERON AND FLAP TRAVEL FOR COMPLETE AND UNIMPEDED OPERATION SUCH AS THAT ANY POTENTIAL CONTROL HANG-UPS, AND/OR PREMATURE SURFACE SKIN WEAR IS PREVENTED.
- 2. SEE-BEECH BONANZA SHOP MANUAL FOR AILERON REMOVAL AND INSTALLATION.
- 1. PRIOR TO INSTALLATION SEE SUPPLEMENTAL TYPE CERTIFICATE INCLUDED IN THE INSTALLATION MANUAL TO MAKE SURE THAT THE AIRCRAFT IS COVERED BY THE STC. ALL GAP SEALS PARTS CAN BE POSITIVELY IDENTIFIED BY AN ADHESIVE LABEL CONTAINING THE PMA HOLDERS IDENTIFICATION, PART NUMBER, SERIAL NUMBER, AND MODELS ELIGIBLE FOR THIS MODIFICATION.

ITEM	QTY	PART	No	·.		1	A T	E	RIA	A L			
DRAW						GEN	ERA	L 1	VΠT	ES			
.x		CX01	D	'S	HANN	VON	PF	201	DUC	CTS	,	LT	D
	NGLES	XX001 ±5%	DW	G. 1	No.	B63	300-	3	REV.	ISION		Α	
UNL	ESS S	STATED [	SC	ALE	: NDNE	DATE	07/	29/	/09	SH	1	ΠF	1

	REVISION RECORD		
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	07/29/09
Α	CLARIFY CHERRY MAX GUN NOTE	D. B.	01/07/10

GAP SEAL PARTS LIST AND TOOLS

PARTS NOT SUPPLIED:

AN470AD4-4 RIVETS

AD44H ----- RIVETS

CHERRY MAX RIVETS (IF NEEDED)

TOOLS REQUIRED:

PHILIPS SCREW DRIVER

SCREW GUN DR DRILL

DRILL BITS: #21, #27, #30, #40

CLECOS: #30 AND #40

HAND RIVETER: FLAT HEAD #30 AND #40

POP RIVET GUN

COUNTERSINK CUTER (100 DEG.)

MINI VAC OR BLOWER

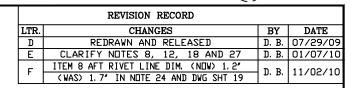
METALLIC SCALE (FLEXIBLE AND STRAIGHT EDGE, 12 IN. PREFERABLY)

PENCIL

IF NEEDED, A CHERRY MAX GUN FOR CUSTOMER SUPPLIED CHERRY MAX RIVETS, OR A VERY GOOD POP RIVET GUN WILL ALSO WORK.

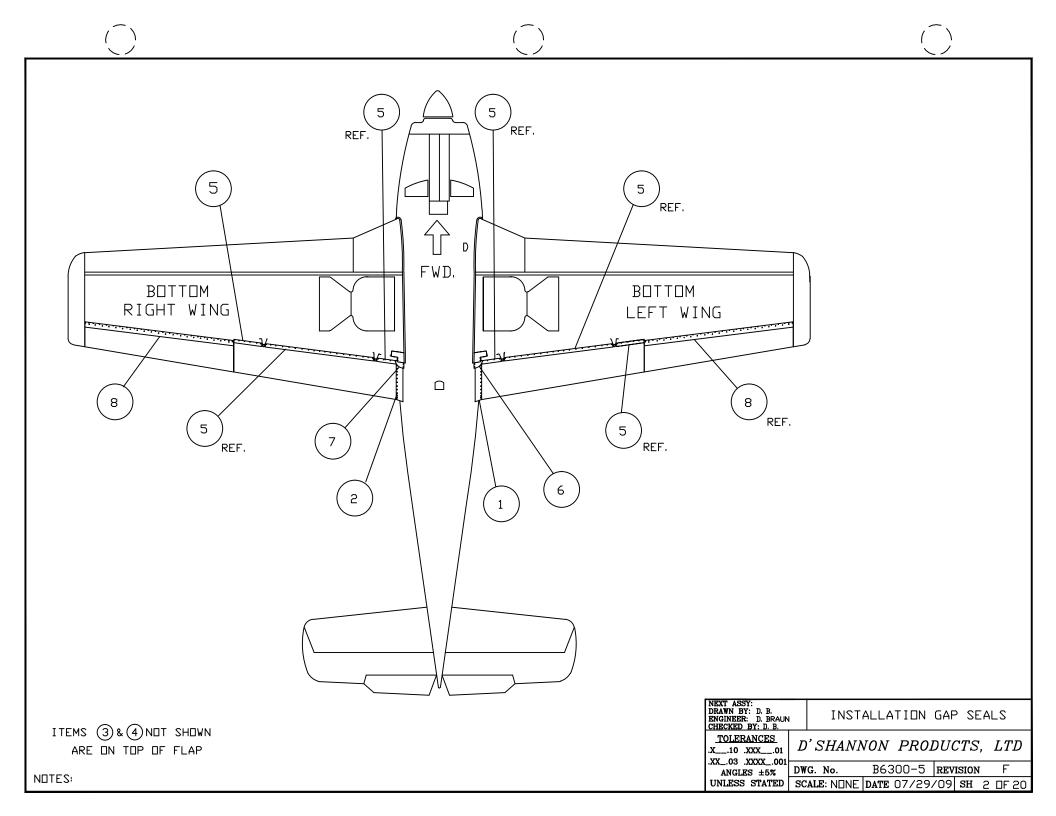
WEIGHT +2.5 LB. @ F.S. 120

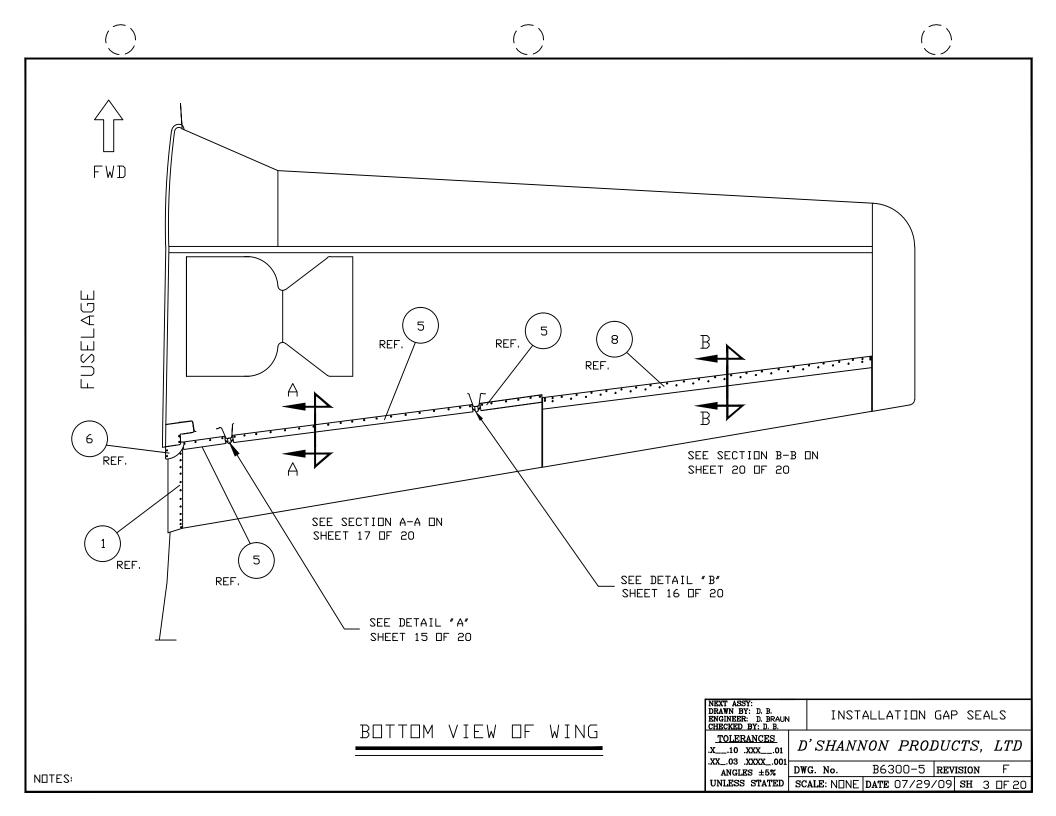
ITEM QTY PART	No.		MATERIAL						
NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.		PAR	TS LIST A	AND	TOOL	.S			
TOLERANCES .X10 .XXX01	D'S	HANN	NON PRO	DUC	TS,	LTD			
.XX03 .XXXX001 ANGLES ±5%	DWG. 1	No.	B6300-4	REVI	SION	Α			
UNLESS STATED	SCALE	: NONE	DATE 07/29.	/09	SH 1	ΠF 1			

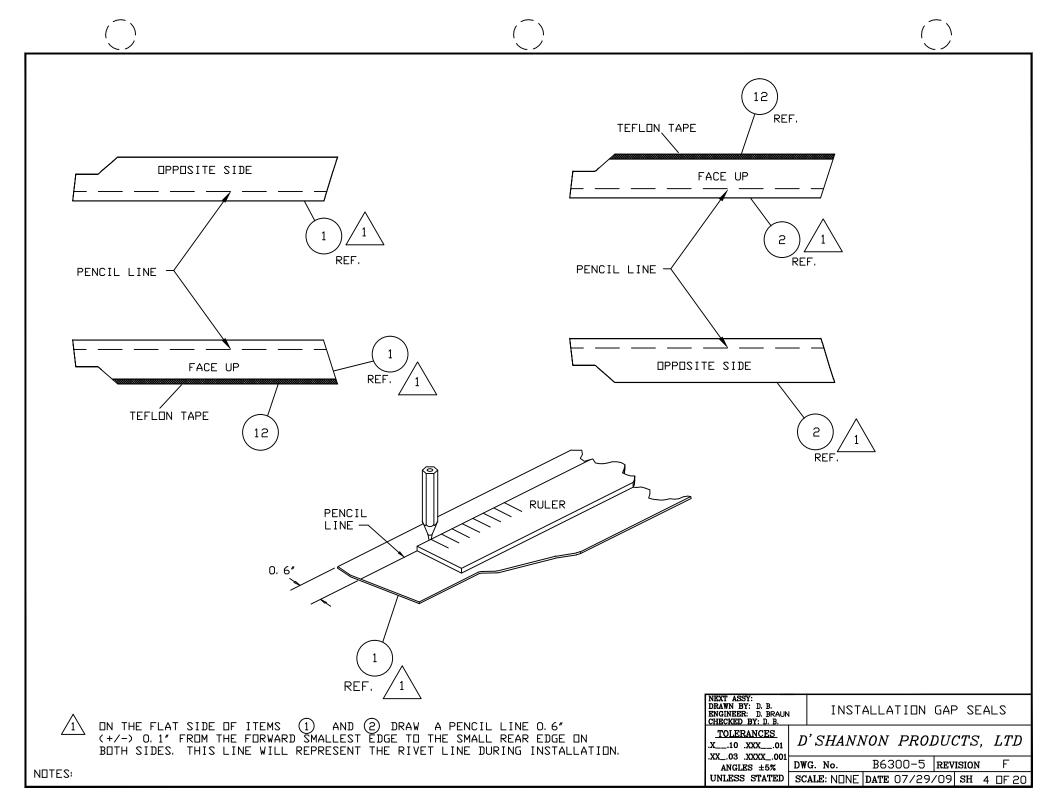


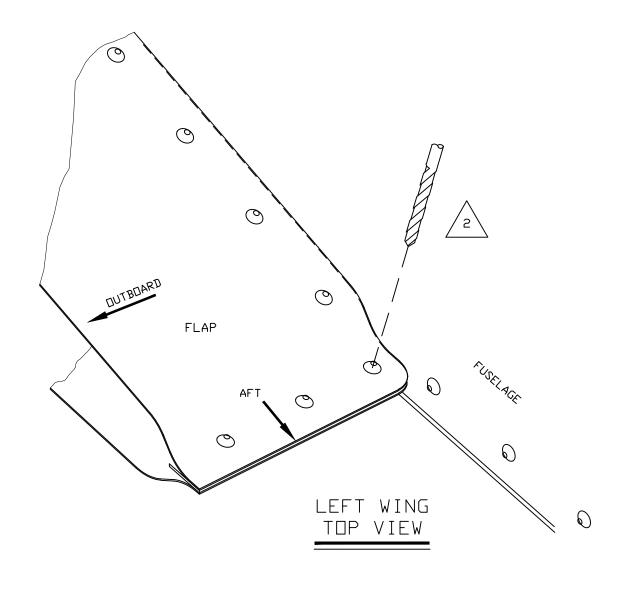
15		A. R.	CR3242-4-02	FLUSH HD CHERRY MAX.
14		A. R.	MS204427-3-2	UNIVERSAL COUNTERSUNK RIVET
13	SHEET 19	A. R.	AN470AD3-3	UNIVERSAL HEAD RIVET
12	SHEET 4	A. R.	5491	SCOTCH BRAND TAPE
11		A. R.		ORIGINAL HARDWARE
10	SHEET 14, 16, 17, 18, 19	A. R.	AD44H	POP RIVET
9	SHEET 13,20	A. R.	AN470AD4-4	UNIVERSAL HEAD RIVET
8	SHEET 2, 3, 19, 20	2	B6304	AILERON GAP SEAL
7	SHEET 2	1	B6301-2	WING BOLT FAIRING EXT. PL (RH)
6	SHEET 2, 3, 18	1	B6301-1	WING BOLT FAIRING EXT. PL (LH)
5	SHEET 2, 3, 15, 16, 17, 18, 19	3	B6305	FLAP GAP SEAL
4	SHEET 14	1	B6303-2	INBOARD TOP GAP SEAL FLAP (RH)
3	SHEET 14	1	B6303-1	INBOARD TOP GAP SEAL FLAP (LH)
2	SHEET 2,4,	1	B6302-2	BOTTOM FLAP ROOT SEAL (RH)
1	SHEET 2, 3, 4, 6, 8, 9, 10, 11, 12, 13, 18	1	B6302-1	BOTTOM FLAP ROOT SEAL (LH)
ITEM	LOCATION OF ITEMS	QTY.	PART NUMBER	DESCRIPTION

ITEM QTY PART	No.	MATERIAL
NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.		INSTALLATION GAP SEALS
TOLERANCES .X10 .XXX01	D'S	SHANNON PRODUCTS, LTD
.XX03 .XXXX001 ANGLES ±5%	DWG. 1	No. B6300-5 REVISION F
UNLESS STATED	SCALE	E: NONE DATE 07/29/09 SH 1 OF 20





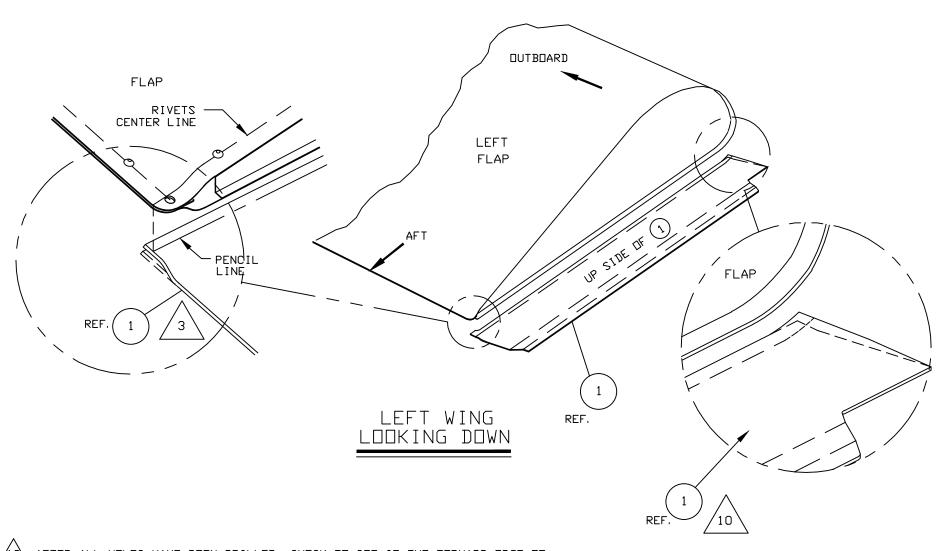






DRILL DUT THE LAST RIVET AT THE LOWER BOTTOM TRAILING EDGE OF THE FLAP. USE A  $\pm 30$  DRILL BIT.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INST	ALLA	ATION	GAF	SE	AL	S	
TOLERANCES .X10 .XXX01	D	'SHANN	<i>ION</i>	PRO	DUC	CTS	, <i>I</i>	LTD
.XX03 .XXXX001 ANGLES ±5%	DW	G. No.	B63	300-5	REV	ISION		F
UNLESS STATED	SC	ALE: NONE	DATE	07/29	/09	SH	5 [	JF 20



AFTER ALL HOLES HAVE BEEN DRILLED, CHECK TO SEE IF THE FORWARD EDGE OF ITEMS (1) AND (2) CLEAR THE AFT WING SKIN BY 0.1". IF NECESSARY TRIM ITEMS (1) END (2) TO GAIN CLEARANCE, CLECO IN PLACE AND HAND FORM FOR PROPER FII. HAND FORMING IS CRITICAL TO MAKE SURE THERE IS NO PRESSURE FROM ITEMS (1) AND (2) AGAINST THE FUSELAGE. CAUTION: EXCESS PRESSURE COULD CAUSE FLAP COMPONENT STRAIN AND MOTOR BURNOUT.

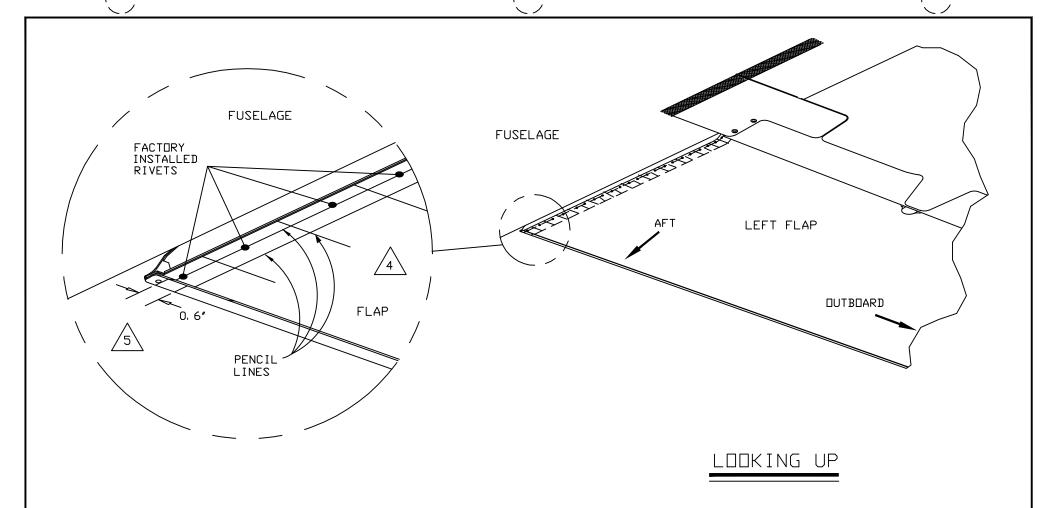
JOGGLE THE AFT ENDS OF ITEMS (1) AND (2) SO THEY MATCH THE CONTOUR OF THE BOTTOM TRAILING EDGE OF THE FLAPS. FORM THE FORWARD ENDS OF ITEMS (1) AND (2) SO THAT THEY MATCH THE CONTOUR OF THE LEADING EDGE OF THE FLAPS.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B. INSTALLATION GAP SEALS TOLERANCES D'SHANNON PRODUCTS, LTD .X\_\_.10 .XXX\_\_.01 .XX\_.03 .XXXX\_.001 B6300-5 REVISION DWG. No.

SCALE: NONE DATE 07/29/09 SH 6 OF 20

ANGLES ±5%

UNLESS STATED





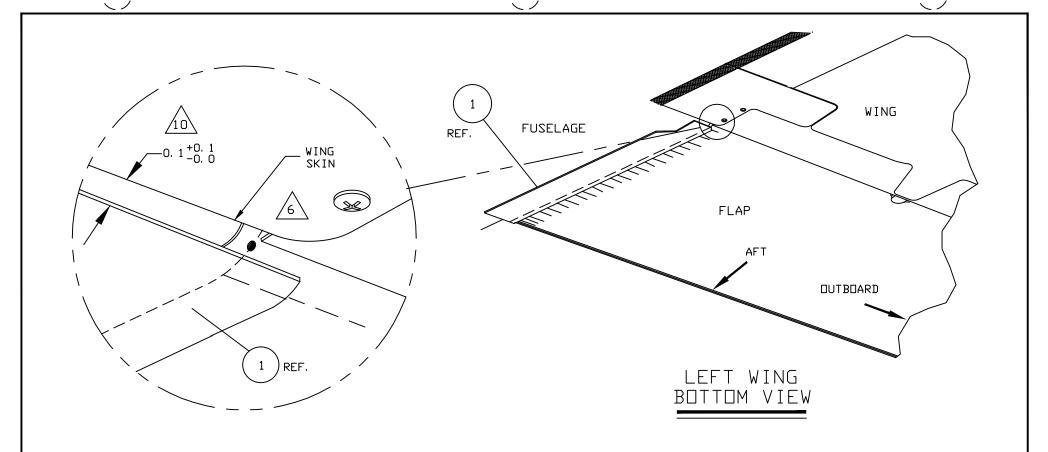
NEXT, DRAW A LINE CONNECTING THE RIVETS ON THE INBOARD BOTTOM OF THE FLAP. DRAW A SECOND LINE EXACTLY 0.6" PARALLEL TO THE RIVET LINE YOU HAVE JUST DRAWN. THIS SECOND LINE WILL ACT AS A GUIDE WHEN INSTALLING ITEM (1) AND (2).



DRAW, ON THE BOTTOM OF THE FLAPS, 2" TO 3" PENCIL LINES INBOARD TO OUTBOARD BETWEEN EACH OF THE FACTORY RIVETS LOCATED ON THE INBOARD FLAP FND RIB.

TO I RUAK D	RFIMFFN	EACH LI	IHE	FACTURY	KIAF12	LUCATED	⊔N	IHE	INRHUKT
FLAP END	RIB.								

	NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INST	ALLA	TION	GAF	S SE	ΑΙ	_S_		
	TOLERANCES .X10 .XXX01	D	'SHANN	ION	PR01	DUC	CTS	,	LTD	,
١	.XX03 .XXXX001 ANGLES ±5%	DW	G. No.	B63	300-5	REV	ISION	i	F	
١	UNLESS STATED	SC	ALE: NONE	DATE	07/29/	/09	SH	7	DF 2	ס

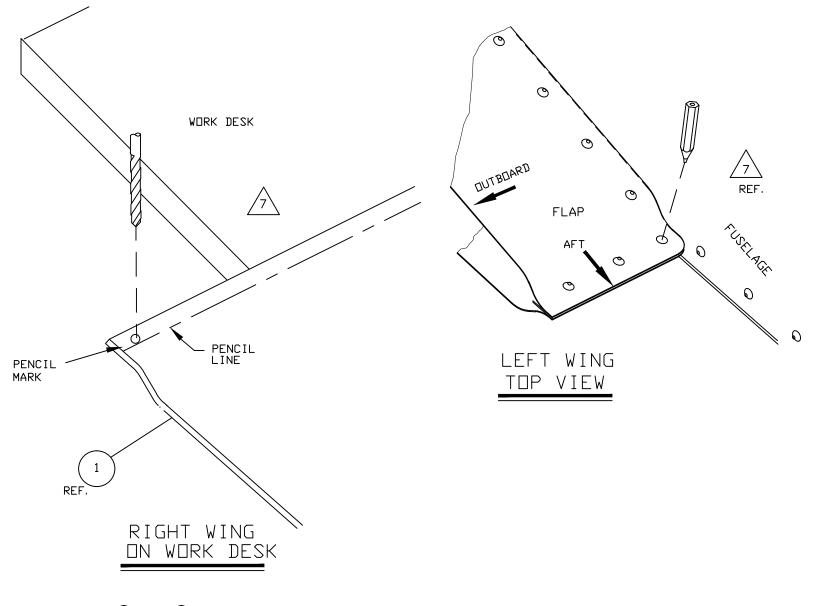


AFTER ALL HOLES HAVE BEEN DRILLED, CHECK TO SEE IF THE FORWARD EDGE OF ITEMS (1) AND (2) CLEAR THE AFT WING SKIN BY O. 1". IF NECESSARY TRIM ITEMS (1) END (2) TO GAIN CLEARANCE. CLECO IN PLACE AND HAND FORM FOR PROPER FIT. HAND FORMING IS CRITICAL TO MAKE SURE THERE IS NO PRESSURE FROM ITEMS (1) AND (2) AGAINST THE FUSELAGE. CAUTION: EXCESS PRESSURE COULD CAUSE FLAP COMPONENT STRAIN AND MOTOR BURNOUT.

6

POSITION ITEM () AND (2) ON THE BOTTOM OF THE FLAP APPROXIMATING THEIR LOCATION. ALIGN DRAWN PENCIL LINE FROM STEP 5 TO THE OUTBOARD SIDE OF ITEMS () AND (2). THE LINE DRAWN ON ITEMS () AND (2). SHOULD FALL RIGHT OVER THE FACTORY INSTALLED RIVETS IN THE FLAP END RIB. ITEM (1) AND (2). SHOULD BE EVEN WITH THE BACK OF THE FLAP. THE RIVET LINE YOU DRAW IN STEP 1 SHOULD LINE UP WITH THE NEXT RIVET ON FLAP.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INST	ALLATION	GAP SEALS
TOLERANCES  .X10 .XXX01	D'SHANN	NON PRO	DUCTS, LTD
.XX03 .XXXX001 ANGLES ±5%	DWG. No.	B6300-5	revision F
UNLESS STATED	SCALE: NUNF	DATE 07/29	/09 SH 8 DF 20



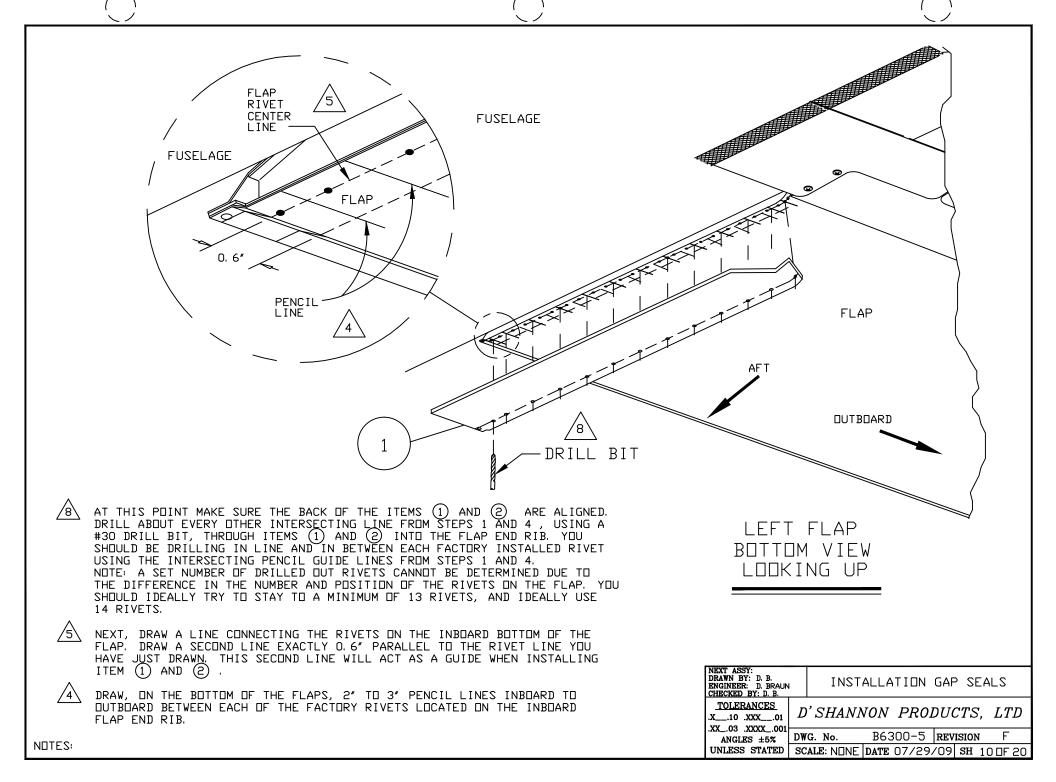
MARK THE PLACEMENT OF ITEMS (1) AND (2) INTO THE FLAP USING A SHARP PENCIL POINT THROUGH THE DRILLED OUT RIVET HOLE FROM STEP 2. YOU WILL NOTICE THAT THIS MARK WILL BE SLIGHTLY OFF THE DRAWN LINE BECAUSE THIS RIVET IS OFF LINE FROM ALL THE REST OF RIVETS. NOW USING A # 30 DRILL BIT, DRILL THROUGH THE PENCIL MARK INTO ITEMS (1) AND (2). CLEAN HOLE AND CLECO TO FLAP.

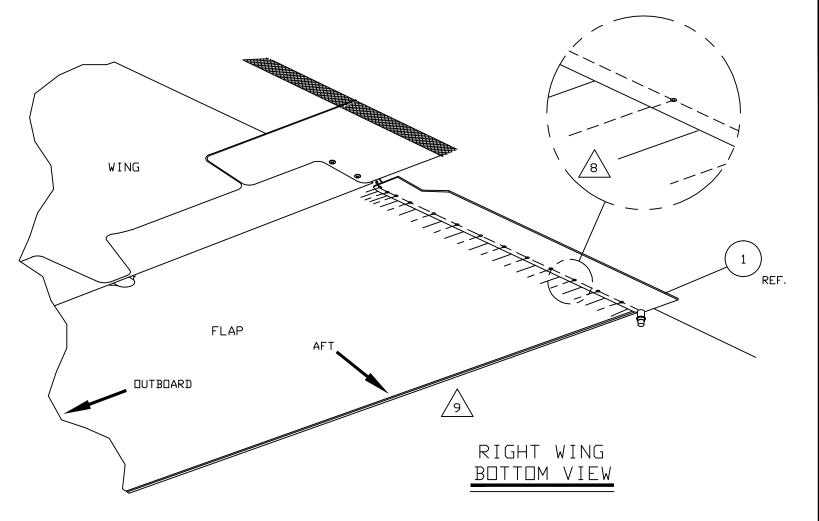
DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	ı	
<u>TOLERANCES</u> .X10 .XXX01	D	,
.XX03 .XXXX001 ANGLES ±5%	DW	G

NEXT ASSY:

INSTALLATION GAP SEALS

SHANNON PRODUCTS, LTD B6300-5 REVISION . No. UNLESS STATED SCALE: NONE DATE 07/29/09 SH 9 OF 20





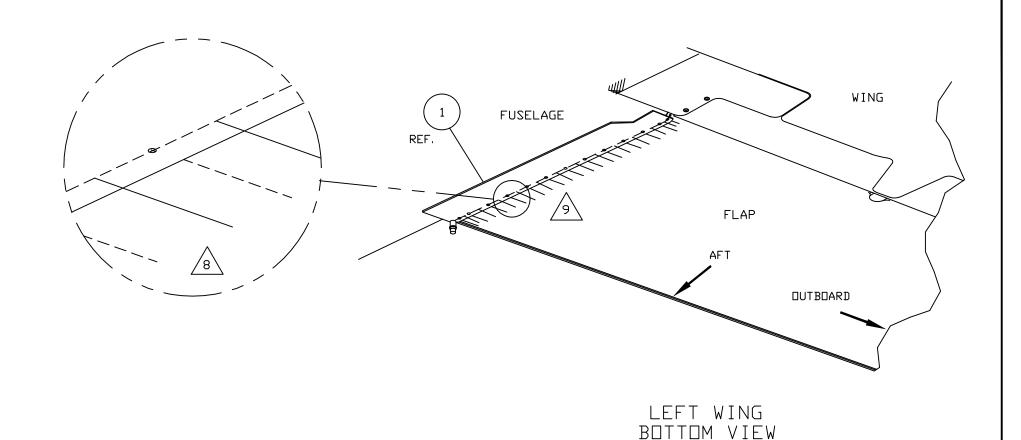


YOU MAY NEED TO ADD AN ADDITIONAL RIVET AT THE END OR BEGINNING OF THE RIVET LINE FOR SAFETY. THE REASON BEING THAT THE TWO FLAPS WILL PROBABLY HAVE DIFFERENT RIVET PLACEMENTS OR CONFIGURATIONS.



AT THIS POINT MAKE SURE THE BACK OF THE ITEMS (1) AND (2) ARE ALIGNED. DRILL ABOUT EVERY OTHER INTERSECTING LINE FROM STEPS 1 AND 4, USING A #30 DRILL BIT, THROUGH ITEMS (1) AND (2) INTO THE FLAP END RIB. YOU SHOULD BE DRILLING IN LINE AND IN BETWEEN EACH FACTORY INSTALLED RIVET USING THE INTERSECTING PENCIL GUIDE LINES FROM STEPS 1 AND 4. NOTE: A SET NUMBER OF DRILLED OUT RIVETS CANNOT BE DETERMINED DUE TO THE DIFFERENCE IN THE NUMBER AND POSITION OF THE RIVETS ON THE FLAP. YOU SHOULD IDEALLY TRY TO STAY TO A MINIMUM OF 13 RIVETS, AND IDEALLY USE 14 RIVETS.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	l	INST	ALLA	TION	GAF	SE	Α	LS
TOLERANCES .X10 .XXX01	D	'SHANN	VON	PR01	DUC	CTS	',	LTD
.XX03 .XXXX001 ANGLES ±5%	DW	G. No.	B63	800-5	REV	ISION	ī	F
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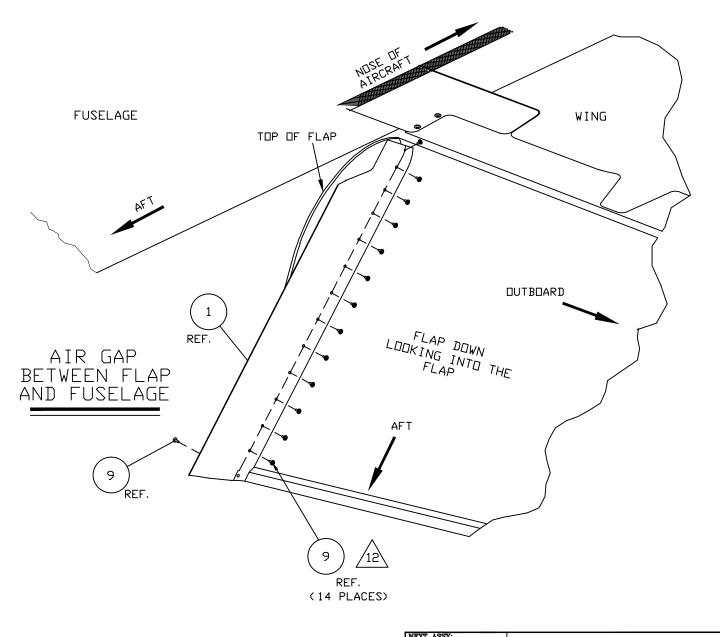


YOU MAY NEED TO ADD AN ADDITIONAL RIVET AT THE END OR BEGINNING OF THE RIVET LINE FOR SAFETY. THE REASON BEING THAT THE TWO FLAPS WILL PROBABLY HAVE DIFFERENT RIVET PLACEMENTS OR CONFIGURATIONS.



AT THIS POINT MAKE SURE THE BACK OF THE ITEMS (1) AND (2) ARE ALIGNED. DRILL ABOUT EVERY OTHER INTERSECTING LINE FROM STEPS 1 AND 4, USING A #30 DRILL BIT, THROUGH ITEMS (1) AND (2) INTO THE FLAP END RIB. YOU SHOULD BE DRILLING IN LINE AND IN BETWEEN EACH FACTORY INSTALLED RIVET USING THE INTERSECTING PENCIL GUIDE LINES FROM STEPS 1 AND 4. NOTE: A SET NUMBER OF DRILLED OUT RIVETS CANNOT BE DETERMINED DUE TO THE DIFFERENCE IN THE NUMBER AND POSITION OF THE RIVETS ON THE FLAP. YOU SHOULD IDEALLY TRY TO STAY TO A MINIMUM OF 13 RIVETS, AND IDEALLY USE 14 RIVETS.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.		INST	ALLATION	GAF	SE	ALS
TOLERANCES .X10 .XXX01	D	'SHANN	NON PRO	DUC	CTS,	LTD
.XX03 .XXXX001 ANGLES ±5%	DW	G. No.	B6300-5	REV	ISION	F
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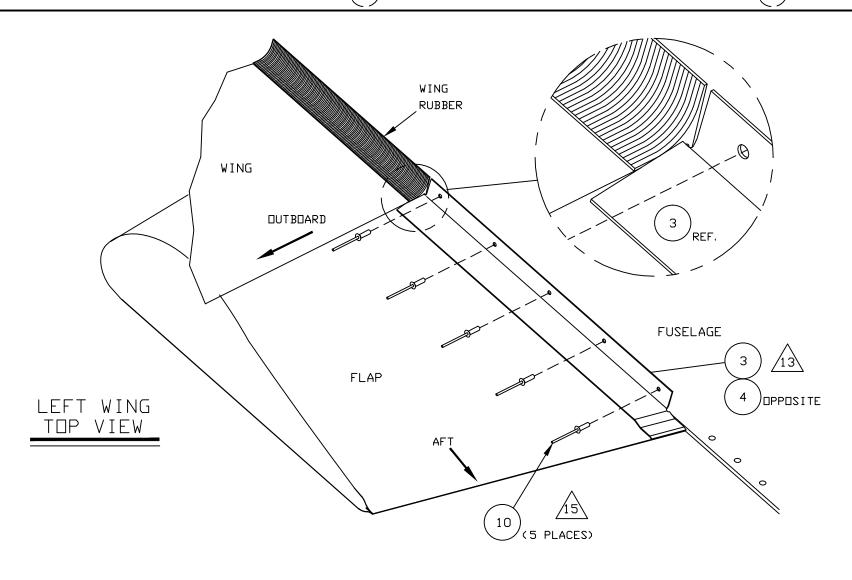


LOWER FLAP AND RIVET ITEMS (1) AND (2) INTO PLACE USING AN470AD4-4
RIVETS ITEM (9). RAISE FLAP AND VERIFY NO LOAD EXISTS BETWEEN ITEMS
(1) AND (2) AND THE FUSELAGE. IF LOADED, ADJUST BY HAND FORMING ITEMS (1) AND (2).

D'SHANNON PRODUCTS, LTD

INSTALLATION GAP SEALS

.XXX\_.03 .XXXX\_.001 ANGLES ±5% DWG. No. B6300-5 REVISION F UNLESS STATED SCALE: NONE DATE 07/29/09 SH 13 OF 20



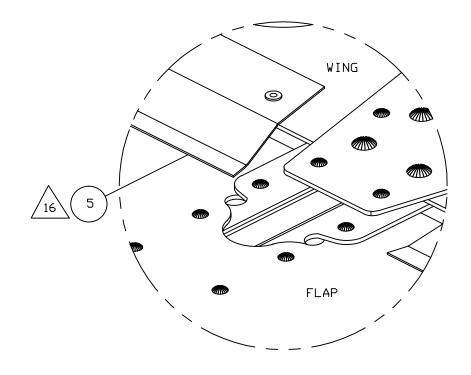
15 ITEMS (3) AND (4) SHOULD HAVE NO TENSION AGAINST THE FLAP. HAND FORM IF NECESSARY. DNCE ALIGNED, USING A #30 DRILL BIT, DRILL 5 EVENLY SPACED HOLES. THE OUTER HOLE SHOULD HAVE PROPER EDGE DISTANCE. CLEAN HOLES, AND RIVET ITEMS (3) AND (4) USING AD44H ITEM (10) POP RIVETS.

POSITION ITEMS (3) AND (4) APPROXIMATING THEIR LOCATION.
THE AFT EDGE AND WILL PROBABLY NEED TO BE JOGGLED SO THAT ITEMS (3) AND (4) MATCH THE EDGE AND CONTOUR OF THE TRAILING EDGE OF THE FLAP. TRIM THE FRONT OF ITEMS (3) AND (4) IF NEEDED.

DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	l		INST	ALL	AT]	[ DN	GAF	, SE	ΞΑ	LS
TOLERANCES .X10 .XXX01	D	'S	HANI	VOλ	F	RO	DUC	CTS	',	LT
.XX03 .XXXX001 ANGLES ±5%	DW	G. 1	No.	В6	300	)-5	REV	ISION	1	F
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B6300-5 REVISION UNLESS STATED SCALE: NONE DATE 07/29/09 SH 14 OF 20

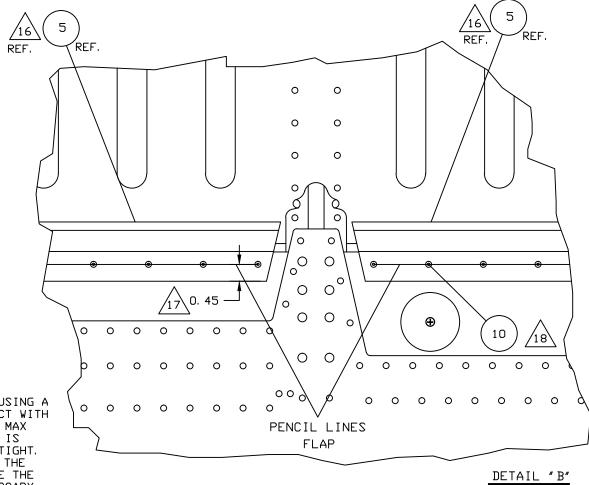


## DETAIL "A"

FROM SHEET 3 OF 20 GAP SEAL POSITION COMPARED TO THE FLAP HINGE.

16 ITEM (5) IS MADE UP OF 6 PIECES (3 PIECES FOR EACH SIDE). EACH PIECE WILL HAVE TO BE TRIMMED FOR PROPER FIT. THIS IS DONE BECAUSE THERE ARE NO SET SIZE FOR THE FLAPS. EACH PIECE WILL BE HELD UP AGAINST THE WING AND TRIMMED. AN EXAMPLE OF THE POSITION OF ITEM (5) COMPARED TO THE AILERON HINGE IS SHOWN. IF NEEDED TRIM ITEM (5) TO FIT. IF TRIMMING IS NECESSARY MAKE SURE ITEM (5) DOESN'T INTERFERE WITH THE HINGE STRUCTURE ON THE FLAP.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.		INST	ALLA	TIDN	GAF	SE	EALS	
TOLERANCES .X10 .XXX01	D	'SHANN	VON	PRO.	DUC	CTS	, LTI	ס
.XX03 .XXXX001 ANGLES ±5%	DW	G. No.	B63	800-5	REV	ISION	r F	
UNLESS STATED	SC	ATE: NUNE	DATE	07/29	) D	SH	15 DE 2	20



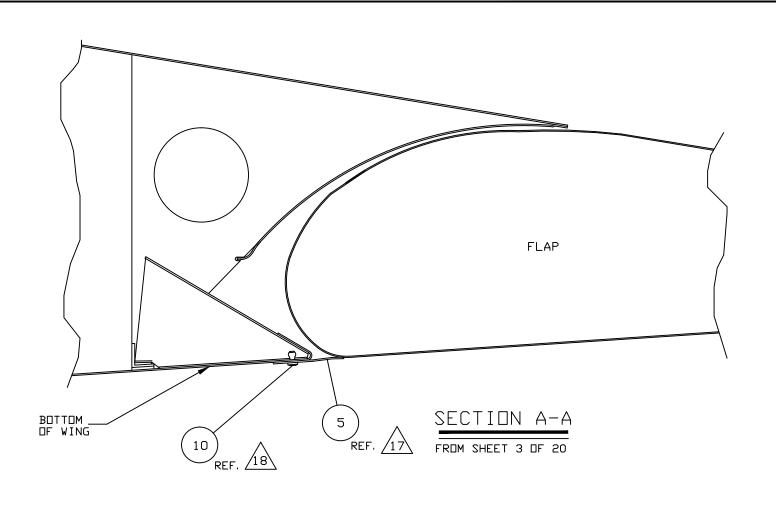
☑ DRILL DUT ANY AND ALL DVAL HEAD RIVETS, USING A
#27 DRILL BIT, THAT WILL COME INTO CONTACT WITH
ANY PART DF GAP SEAL ITEM (5). USE CHERRY MAX
CR3242-4-02 ITEM (5) DR EQUAL RIVET. IT IS
CRITICAL THAT THESE RIVET ARE FLUSH AND TIGHT.
IF IN DOUBT USE EPDXY TO RETAIN TIGHTLY. THE
HOLES MAY BE COUNTERSUNK OR DIMPLED. FILE THE
DVER BURDEN RIVET HEADS TO FLUSH IF NECESSARY.

FROM SHEET 3 OF 20

DRAW A LINE 0.45" FROM THE AFT EDGE OF ALL SIX PIECES OF ITEM (5). THIS LINE WILL BE DRAWN ON THE OPPOSITE SIDE OF THE TEFLON TAPE ALREADY INSTALLED. THE TEFLON TAPE WILL BE FACING THE FLAP. WITH THE DRAWN LINE AS YOUR GUIDE, USING A #30 DRILL BIT, DRILL THROUGH THE GAP SEAL AND INTO THE WING. THESE HOLES ARE TO BE NO MORE THAN 4" APPROX. THE HOLES START AT EACH END OF GAP SEAL ITEM (5). THE EDGE DISTANCE OF THE HOLES IS AT LEAST ONE AND ONE HALF TIMES THE SIZE OF THE HOLES. RIVET ITEMS (5) TO THE WING USING AD44H ITEM (10) POP RIVETS.

ITEM (5) IS MADE UP OF 6 PIECES (3 PIECES FOR EACH SIDE). EACH PIECE WILL HAVE TO BE TRIMMED FOR PROPER FIT. THIS IS DONE BECAUSE THERE ARE NO SET SIZE FOR THE FLAPS. EACH PIECE WILL BE HELD UP AGAINST THE WING AND TRIMMED. AN EXAMPLE OF THE POSITION OF ITEM (5) COMPARED TO THE AILERON HINGE IS SHOWN. IF NEEDED TRIM ITEM (5) TO FIT. IF TRIMMING IS NECESSARY MAKE SURE ITEM (5) DOESN'T INTERFERE WITH THE HINGE STRUCTURE ON THE FLAP.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INST	ALLATION	GAP SEALS
TOLERANCES .X10 .XXX01	D'SHANN	ION PROI	DUCTS, LTD
.XX03 .XXXX001 ANGLES ±5%	DWG. No.	B6300-5	revision F
UNLESS STATED	SCALE: NONE	DATE 07/29	/09 SH 16 DF 20



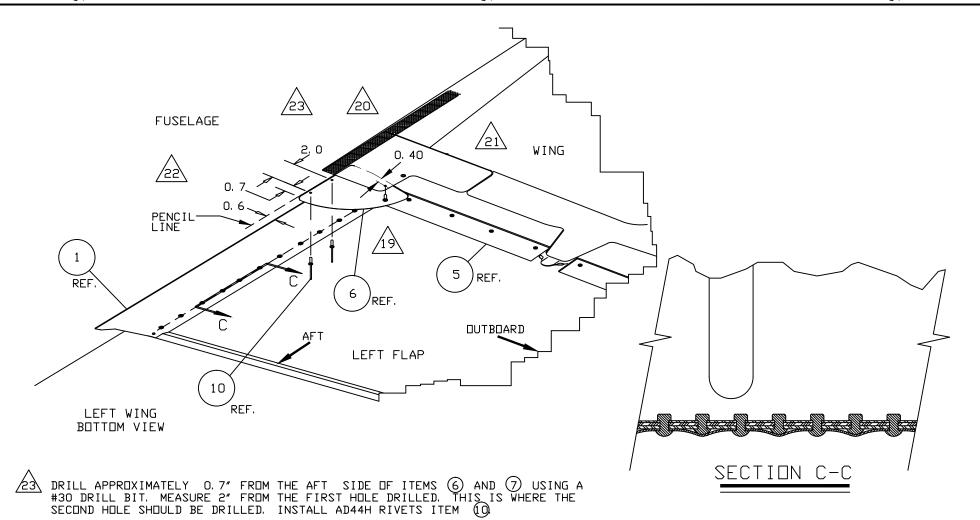


/18\ DRILL DUT ANY AND ALL DVAL HEAD RIVETS, USING A #27 DRILL BIT, THAT WILL COME INTO CONTACT WITH ANY PART GAP SEAL ITEM (5). USE CHERRY MAX CR3242-4-02 ITEM (5) OR EQUAL RIVET. IT IS CRITICAL THAT THESE RIVET ARE FLUSH AND TIGHT. IF IN DOUBT USE EPOXY TO RETAIN TIGHTLY. THE HOLES MAY BE COUNTERSUNK OR DIMPLED. FILE THE OVER BURDEN RIVET HEADS TO FLUSH IF NECESSARY.



DRAW A LINE O.45" FROM THE AFT EDGE OF ALL SIX PIECES OF ITEM (5) . THIS LINE WILL BE DRAWN ON THE OPPOSITE SIDE OF THE TEFLON TAPE ALREADY INSTALLED. THE TEFLON TAPE WILL BE FACING THE FLAP. WITH THE DRAWN LINE AS YOUR GUIDE, USING A #30 DRILL BIT, DRILL THROUGH THE GAP SEAL AND INTO THE WING. THESE HOLES ARE TO BE NO MORE THAN 4" APPROX. THE HOLES START AT EACH END OF GAP SEAL ITEM (5). THE EDGE DISTANCE OF THE HOLES IS AT LEAST ONE AND ONE HALF TIMES THE SIZE OF THE HOLES. RIVET ITEMS (5) TO THE WING USING AD44H ITEM (10) POP RIVETS.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.		INST	ALLA	TION	GAF	SE4	4LS
TOLERANCES .X10 .XXX01	D	'SHANN	ION	PR01	DUC	CTS,	LTD
.XX03 .XXXX001 ANGLES ±5%	DW	G. No.	B63	800-5	REV	ISION	F
UNLESS STATED	SC	ALE: NONE	DATE	07/29	/09	SH 1	7 DF 20





USING A #21 DRILL BIT, DRILL THROUGH THE HOLE IN THE WING BOLT COVER PLATE AND INTO ITEMS 6 AND 7 . REINSTALL THE SCREW.



TO DETERMINATE THE DEPTH IN WHICH ITEMS (6) AND (7) ARE TO GO UNDER THE WING BOLT COVER, INSERT ITEMS (6) AND (7) FORWARD UNTIL THE FORWARD EDGE OF ITEMS (6) AND (7) ARE APPROXIMATELY 0. 4" FROM THE WING BOLT COVER SCREW.



DRAW A STRAIGHT LINE PARALLEL TO ITEMS (1) AND (2). POSITION ITEMS (6) AND (7) APPROXIMATING THEIR LOCATION. LINE UP THE THESE ITEMS WITH THE 0.6" REFERENCE LINE YOU JUST DREW.

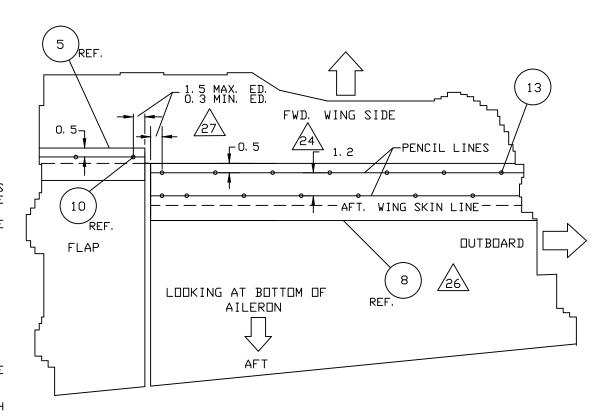


REMOVE REAR WING BOLT COVER SCREWS AS SHOWN ON DRAWING. MEASURE 0.6" FROM THE INBOARD SIDE OF ITEM (1) AND (2)

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INST	ALLATION	GAP SEALS
TOLERANCES .X10 .XXX01	D'SHANN	ION PROI	DUCTS, LTD
.XX03 .XXXX001 ANGLES ±5%	DWG. No.	B6300-5	revision F
UNLESS STATED	SCALE: NONE	DATE 07/29/	/09 SH 18 DF 20



REMOVE AILERON IN ACCORDANCE WITH BEECH SERVICE MANUAL, NOTE LOCATION OF AILERON HINGE STRUCTURE IN THE AILERON CAVITY. HOLES SHOULD NOT BE DRILLED THROUGH OR BETWEEN THE FLANGES INSIDE THE BACK OF THE AILERON CAVITY THAT HOLDS THE HINGE STRUCTURE TO THE WING, DRILL THROUGH ITEM (8) AND THE WING SKIN USING A #40 DRILL BIT ON THE RIVET LINES FROM STEP 24 (4" SPACING MAX.) MAKE SURE PROPER EDGE DISTANCE IS USED ON THE DUTER RIVETS. CLECO INTO PLACE. CLEAN HOLES, AND RIVET ITEM (8) INBOARD AND DUTBOARD ON THE AILERON USING AN470AD3-3 ITEM (13) UNIVERSAL HEAD RIVETS, ANY OVAL HEAD RIVETS THAT DBSTRUCT OR PREVENT THE FREE MOVEMENT OF THE AILERON SHOULD BE REPLACED WITH CR3242-4-02 ITEM (15) FLUSH HEAD CHERRY MAX RIVETS, IT IS CRITICAL THAT THESE RIVETS ARE FLUSH AND TIGHT. IF IN DOUBT USE EPOXY TO RETAIN THE RIVETS TIGHTLY, COUNTERSINK OR DIMPLE IF PERMISSIBLE, FILE RIVET HEAD FLUSH IF NECESSARY. REINSTALL AILERON IN ACCORDANCE WITH BEECH SERVICE MANUAL AND CHECK FOR PROPER OPERATION WITH NO INTERFERENCE.



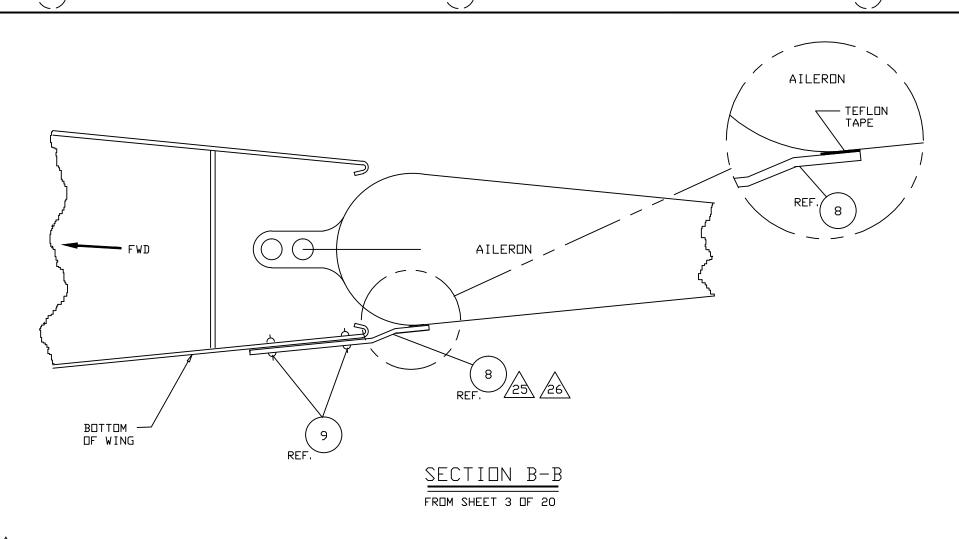


POSITION ITEM (8) AT ITS APPROXIMATE LOCATION. ITEM (8) SHOULD BE INSTALLED IN RELATION TO THE SHAPE OF THE AILERON, NOT THE WING. ITEM (8) SHOULD BE PARALLEL TO THE AILERON. THIS IS DONE TO COMPENSATE FOR A LARGER OR DIFFERENT AILERONS. DEFLECT AILERON FULLY DOWN. THE SIDE OF ITEM (8) WITH THE TEFLON TAPE SHOULD MAKE CONTACT WITH THE AILERON. DEFLECT THE AILERON FULLY UP. THE TEFLON TAPE SIDE OF ITEM (8) SHOULD AGAIN JUST TOUCH THE AILERON AND SHOULD ONCE AGAIN SHOW NO PRESSURE. MAKE POSITION ADJUSTMENT TO ITEM (8) UNTIL THIS IS ACHIEVED. MARK THE FINAL POSITION OF THE LEADING EDGE OF ITEM (8) ON THE WING.



POSITION ITEM (8) ON A WORKBENCH AND DRAW A PENCIL LINE 1/2" FROM THE FORWARD EDGE OF ITEM (8) THIS LINE WILL BE USED DURING INSTALLATION. THEN MEASURE AN ADDITIONAL 1.2" AND DRAW A PARALLEL PENCIL LINE.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INST	ALLATION	GAP SE	ALS
TOLERANCES .X10 .XXX01	D' SHANI	VON PRO	DUCTS,	LTD
.XX03 .XXXX001 ANGLES ±5%	DWG. No.	B6300-5	REVISION	F
UNLESS STATED	SCALE: NIDNE	DATE 07/29	/∩9 SH 1	9 UE 20



POSITION ITEM (8) AT IT'S APPROXIMATE LOCATION, ITEM (8) SHOULD BE INSTALLED IN RELATION TO THE SHAPE OF THE AILERON, NOT THE WING. ITEM (8) SHOULD BE PARALLEL TO THE AILERON. THIS IS DONE TO COMPENSATE FOR A LARGER OR DIFFERENT AILERONS. DEFLECT AILERON FULLY DOWN. THE SIDE OF ITEM (8) WITH THE TEFLON TAPE SHOULD MAKE CONTACT WITH THE AILERON. DEFLECT THE AILERON FULLY UP. THE TEFLON TAPE SIDE OF ITEM (8) SHOULD AGAIN JUST TOUCH THE AILERON AND SHOULD DNCE AGAIN SHOW NO PRESSURE. MAKE POSITION ADJUSTMENT TO ITEM (8) UNTIL THIS IS ACHIEVED. MARK THE FINAL POSITION OF THE LEADING EDGE OF

ITEM (8) ON THE WING.

IF NEEDED TRIM ITEM (8) TO FIT. IF TRIMMING IS NECESSARY MAKE SURE ITEM (8) DOESN'T INTERFERE WITH THE HINGE STRUCTURE ON THE AILERON.

NEXT ASSY: F DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B. TOLERANCES .X\_\_.10 .XXX\_\_.01 .XX\_.03 .XXXX\_.001 ANGLES ±5%

D'SHANNON PRODUCTS, LTD

INSTALLATION GAP SEALS

B6300-5 REVISION DWG. No. UNLESS STATED SCALE: NONE DATE 07/29/09 SH 20 OF 20