

**PAZMANY AIRCRAFT CORPORATION**  
**BOX 10051, SAN DIEGO, CALIFORNIA, 92110**

March 1966

PL-1 News Letter No. 4

1. Incorporate changes shown in Engineering Change Notice No. 3 - (See attached sheets).
2. Remove pages 1, 12 and 13 from instructions, and replace with new "revised" sheets.
3. Add instruction page #11a and LIST OF MATERIALS pages # 20, 21, 22, 23, 24 and 25.
4. A new drawing has been released. This is Electrical Installation - Schematic. It shows all the wiring and components for the PL-1 - including radio installation. You can order a copy of this drawing @ \$3.00.
5. Remember also that the following drawings are available on special order:
  - Engine mount for Lycoming O-290-6 - Dwg 1-40.009 - \$4.00
  - Firewall for Lycoming O-290-6 - Dwg 1-40.010 - \$4.00
  - Fuselage Tail Cone Frames - Loft Lines - Dwg 1-30.001 - \$3.00
6. If you are building your PL-1, please send a card to Sport Aviation telling about your progress. I hope to see many of your names in the monthly list of "Airplanes Under Construction". Also, mention it to your local EAA chapter secretary, so it will be reported in "Chatting with the Chapters". I know from your letters that many of you have completed major assemblies, but I have seen only a few names mentioned in the magazine. Knowing about other PL-1 builders in your neighborhood will help you and of course will help me.
7. I would appreciate some photos of your parts or assemblies, or a few words about your progress and I hope to see more of you at 1966 Rockford Fly-Inn.
8. Please! - When you write me, mention your PL-1 number at the top of the page and state your name. I have received some letters without even a signature and it requires a lot of my time to search through my files in order to define your identity and provide you a quick answer.
9. If you appreciate this free service and the continuous updating of your PL-1 drawing, please do something for me, just mention it in your EAA meetings.
10. At the present I have sold 184 sets of PL-1 prints. I will be glad to send you an updated list of PL-1 builders, if you send me a stamped envelope.

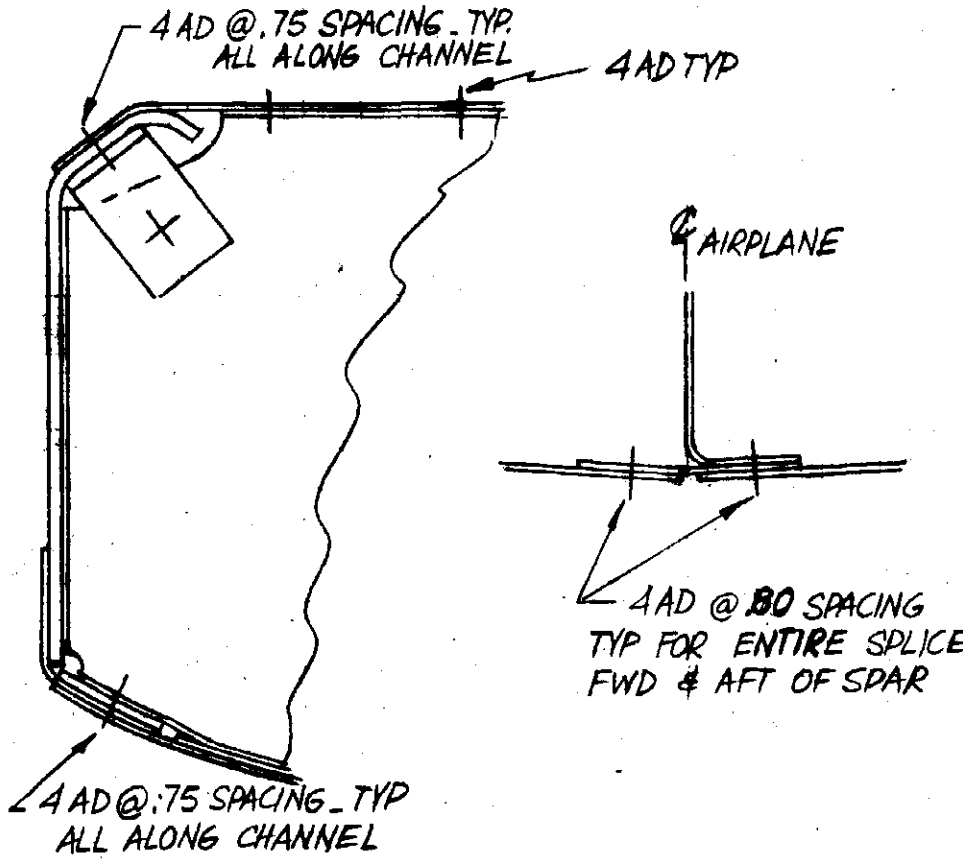
Have fun !

*L. Pazmany*  
L. Pazmany

# ENGINEERING CHANGE NOTICE # 3

SHEET # 1  
MARCH 1966

DWG 1-10.006 - CENTER RIB & FLAP CONTROL - WING  
(ADD INFORMATION)



DWG 1-50.007 - CONTROL STICK

CHANGE ALL ALUMINUM NUTS TO STEEL AS FOLLOW

WAS	SHOULD BE:
AN 364-D1032	AN 364-1032
AN 364-D 428	AN 364-428

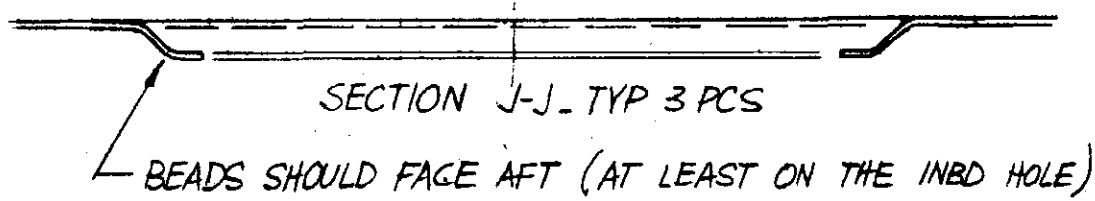
(IMPROVE SAFETY) -

DWG 1-10.001 - WING ASSY

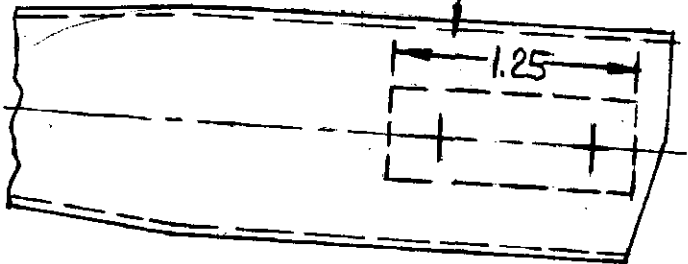
BOTTOM SKIN FWD OF MAIN SPAR BETWEEN ROOT RIBS .SHOULD BE .032 - 2024-T3 CLAD.  
 BOTTOM SKIN AFT OF MAIN SPAR BETWEEN RIBS AT 10.00 IN. OUTB. OF ROOT RIB, SHOULD BE .032 - 2024-T3 CLAD.  
 TO SPLICE THE FRONT-BOTTOM SKIN AT THE ROOT RIB WITH THE OUTB. .040 SKIN, USE 1/8 UNIV. HEAD AD RIVETS @ .75 SPACING  
 TO SPLICE THE AFT BOTTOM SKIN AT 10 IN. OUTB OF ROOT RIB WITH THE .016 SKIN USE 3/32 UNIV. HEAD - AD RIVETS @ .75 SPACING.

THIS INFORMATION WAS MISSING FROM DWGS.

DWG 1-10.001 - MAIN SPAR - WING  
CHANGE TO AVOID INTERFERENCE WITHAILERON CONTROL BELLCRANK

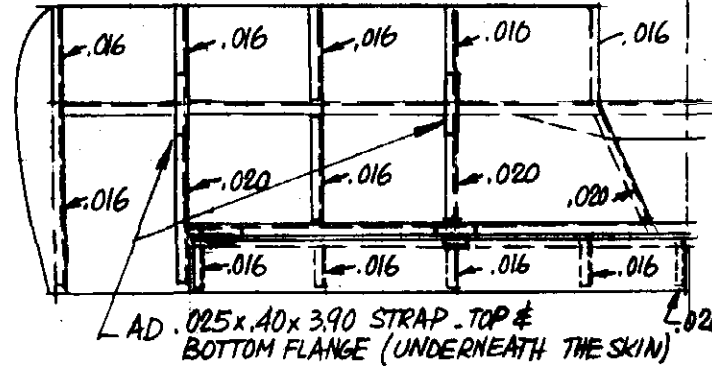


DWG 1-20.003 - STABILATOR - EMPENAGE  
LENGTH OF ALUMINUM PLUG WAS 1.00 SHOULD BE 1.25



C-C  
(CORRECT ERROR)

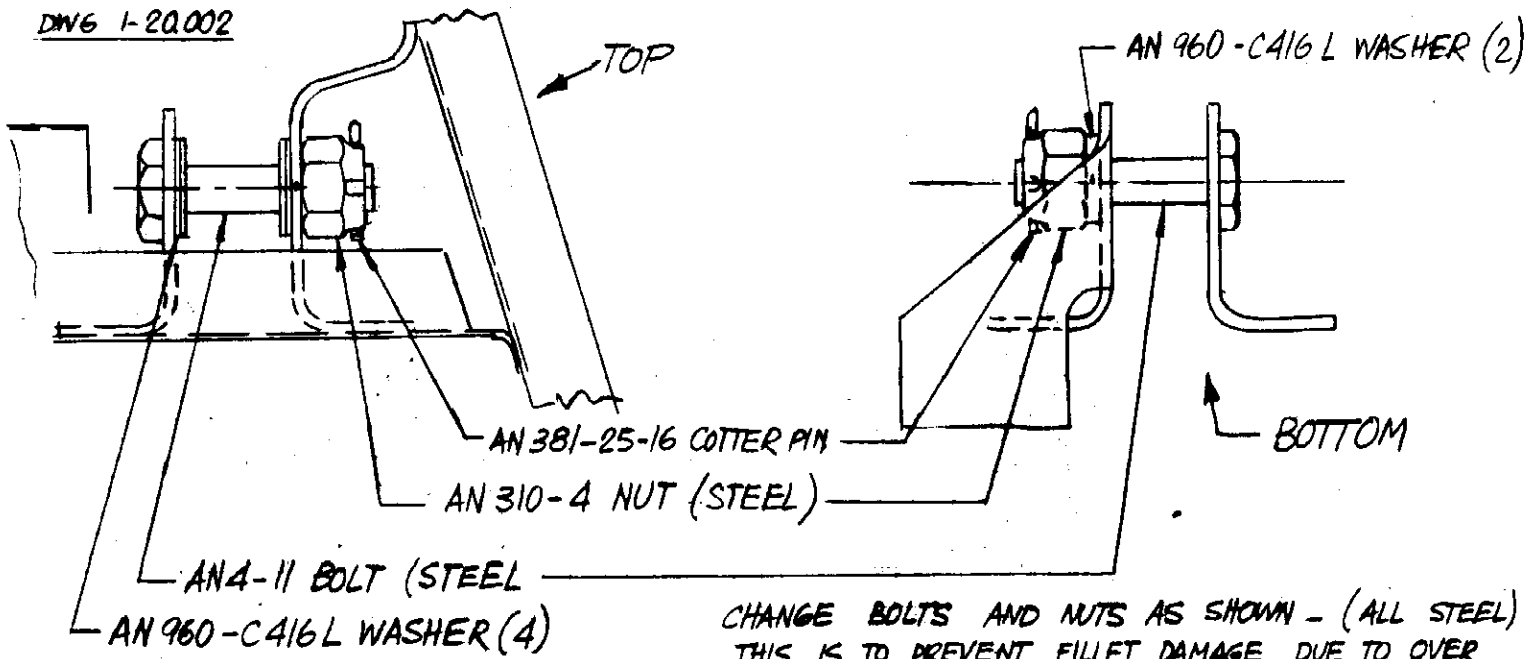
(IMPROVE DESIGN)  
RIB THICKNESS - IF YOU DID NOT BUILT YOUR STABILATOR YET. CORRECT YOUR DRAWING AS SHOWN.  
IF YOU BUILT THE STABILATOR ALLREADY LEAVE IT AS 'S. NOTICE THAT WITH NEW THICKNESSES. ALL RIBS HAVE LIGHTENING HOLES.



# ENGINEERING CHANGE NOTICE #3

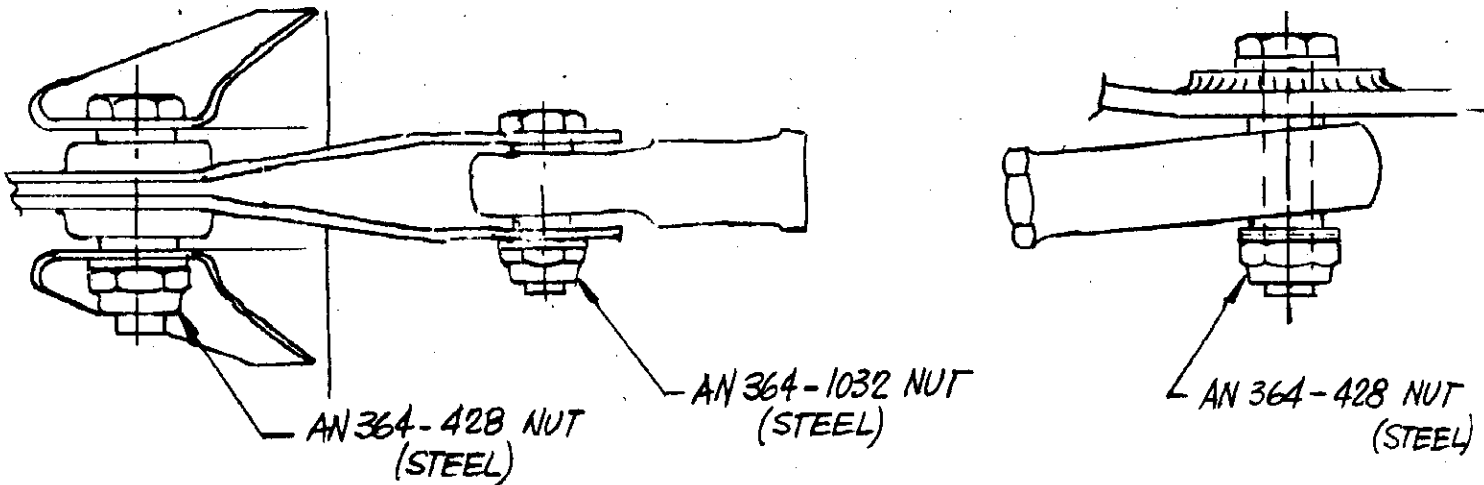
SHEET #2  
MARCH 1966

DWG 1-20.002



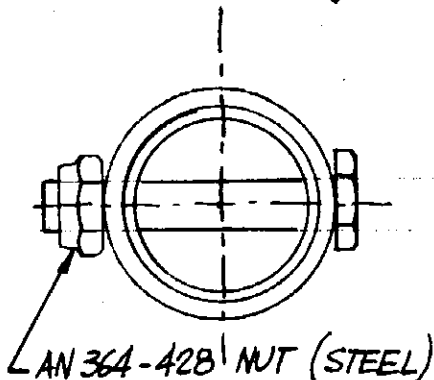
CHANGE BOLTS AND NUTS AS SHOWN - (ALL STEEL)  
THIS IS TO PREVENT FILLET DAMAGE DUE TO OVER  
TORQUING OF NUT - ADD COTTER PIN TO BOTTOM NUT  
FOR ADDITIONAL SAFETY.

## DWG 1-50.002 - AILERON ROD, BELLCRANK & BALANCE CONTROLS



USE STEEL NUTS INSTEAD OF ALUMINUM TO INCREASE SAFETY MARGIN. (ALL NUTS ARE SELF-LOCKING)

## DWG 1-50.004 - FLAP LEVER (STEEL NUT FOR INCREASED SAFETY)



## DWG 1-50.006 - CONTROL DETAILS

ELEVATOR TRIM ASSY: CHANGE ALUMINUM NUTS TO STEEL  
(AN 364-1032) TWO PLACES

CONTROL SUPPORT BEAM ON FRAME 143.00 :

CHANGE ALUMINUM BOLTS AND NUTS TO STEEL :

AN 5-11 BOLT  
AN 364-524 NUT } TYP. 2 PCS



PULLEY BRACKET ON FRAME 92.40

CHANGE ALUMINUM BOLTS AND NUTS TO STEEL :

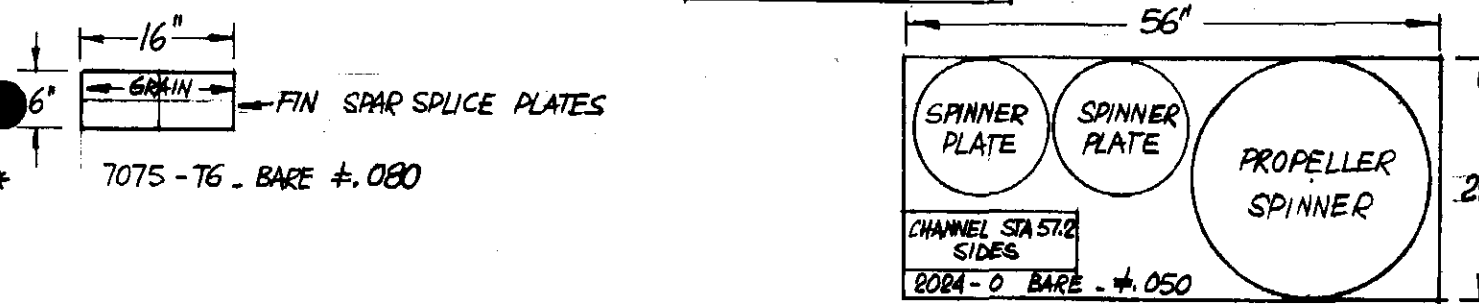
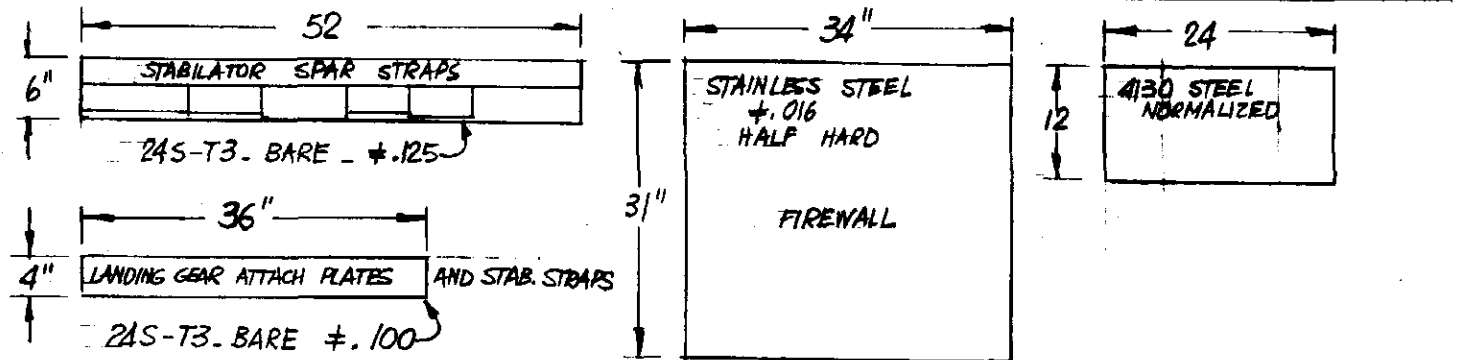
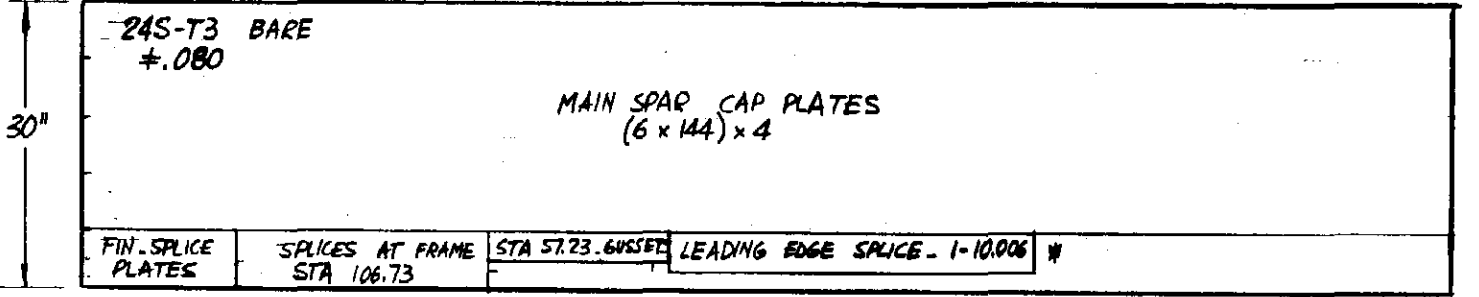
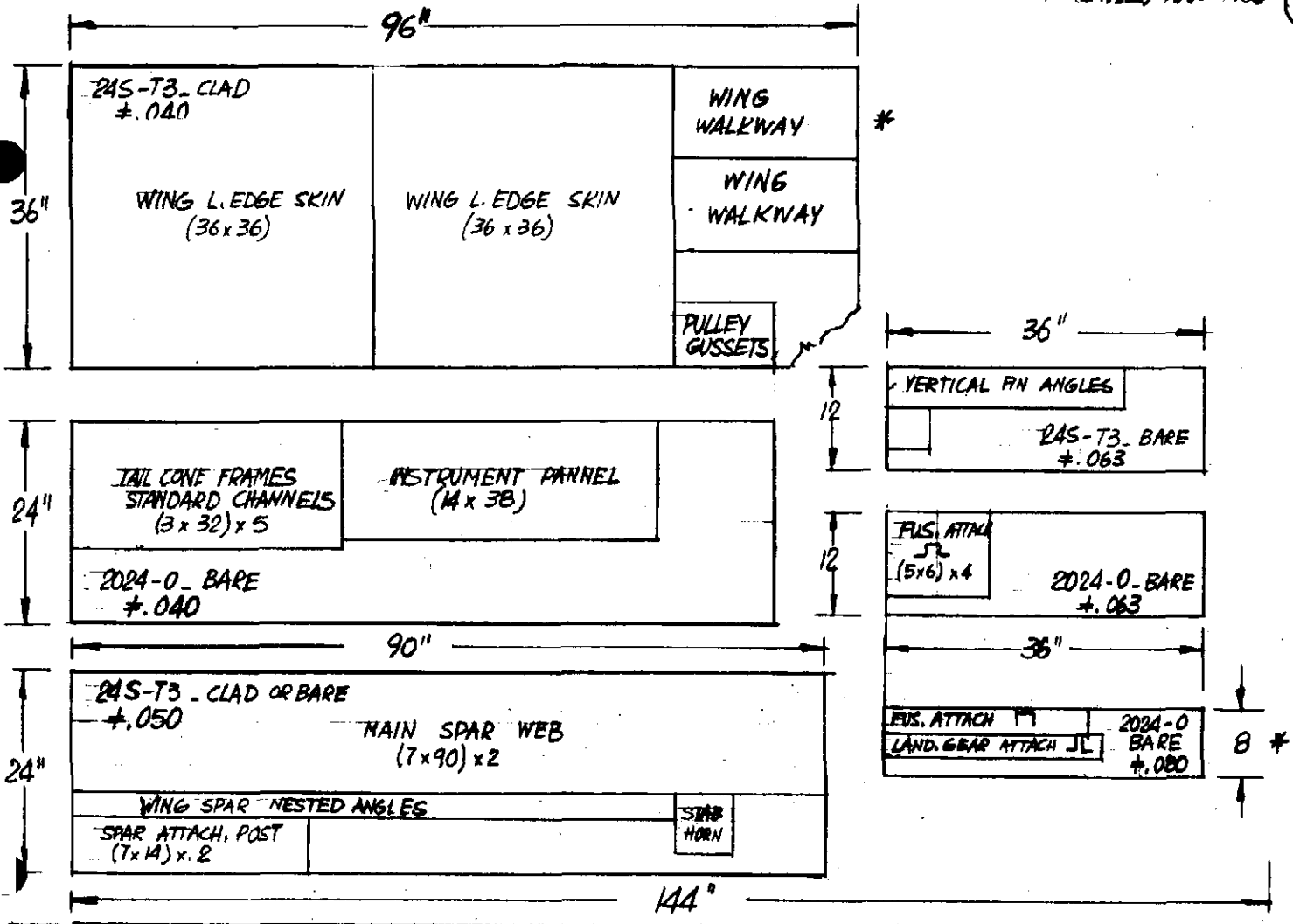
AN 5-11 BOLT  
AN 364-524 NUT } TYP. 2 PCS.

PL-1 - LIST OF RAW MATERIAL

THIS PARTIAL LIST OF MATERIALS IS INTENDED MOSTLY AS A GUIDE FOR PURCHASING. ONLY MAJOR ITEMS ARE INCLUDED - SMALL PARTS COULD BE MADE FROM SCRAPS WHICH WILL RESULT AFTER THE BIG PARTS ARE CUTOUT. PAGES 8 TO 12 ARE PICTORIAL REPRESENTATIONS OF SHEET METAL UTILIZATION.

PART NAME	MATERIAL	DIMENSIONS (IN)	QTY
<u>DWG. 1-10.001 - WING ASSEMBLY</u>			
FLAP SKIN -	24S-T3-CLAD	.025 SHEET - 28 x 100	2
AILERON SKIN	" - "	.016 " - 28 x 66	2
WING LEADING EDGE SKIN	" - "	.040 " - 36 x 36	2
" " " "	" - "	.032 " - 36 x 51	2
" " " "	" - "	.025 " - 36 x 62	2
" REAR SKIN	" - "	.016 " - 20 x 130	4
" BOTTOM SKIN - FWD OF SPAR (FUEL)	" - "	.032 " - 17 x 20	2
" " " - AFT OF SPAR (FUEL)	" - "	.032 " - 18 x 31	2
<u>DWG. 1-10.002 - MAIN SPAR</u>			
UPPER SPAR CAP	24S-T4-BARE	5/8 x 2.00 BAR - 122 LONG	2
LOWER " "	" - "	1/2 x 2.00 " - 102 LONG	2
CAP PLATE	24S-T3-BARE	.080 SHEET - 6 x 144	4
CAP FILLER	" - CLAD	.032 " - 2 x 95	4
" "	" - "	.020 " - 1 x 71	4
CAP-WEB ANGLE	" - "	.032 " - 1.6 x 90	8
CAP-WEB ANGLE	" - "	.020 " - 1.2 x 75	8
WEB	" - "	.050 " - 7 x 90	2
WEB	" - "	.025 " - 7 x 77	2
CAP & SPLICES	24S-T4-BARE	1x2 BAR - 22 LONG	2
& TEE (Y)	" - "	1x2 BAR - 3 LONG	4
FUSELAGE ATTACHMENT 	2024-O-BARE	.063 SHEET - 5 x 6	4
" " 	" - "	.080 " - 3 x 6	4
LANDING GEAR ATTACHMENT ANGLES	" - "	.080 " - 2 x 6.5	4
<u>DWG 1-10.003 - AUXILIARY SPARS</u>			
FLAP SPAR	24S-T3-CLAD	.025 SHEET - 4.5 x 100	2
AILERON SPAR	" - "	.025 " - 4.5 x 63	2
WING REAR SPAR	" - "	.025 " - 5.8 x 83	4
WING LEADING EDGE SPAR	" - "	.032 " - 3 x 83	2
* WING LEADING EDGE SPAR	" - "	.025 " - 3 x 80	2
<u>DWG 1-10.004 - BASIC RIB</u>			
NOSE RIB	2024-O-BARE	.020 SHEET - 9 x 18	30
CENTER RIB	" - "	.020 " - 9 x 20	30
FLAP AND AILERON RIB	" - "	.016 " - 4 x 12	32
FLAP AND AILERON RIB	" - "	.032 " - 4 x 12	4
<u>DWG 1-10.005 - LANDING GEAR ATTACH RIB</u>			
MAKE FROM BASIC RIBS TYPE 3 & 4			

\* \*



36"	(17x20) WING SKIN BOTTOM-FRONT @ FUSELAGE	WING SKIN -BOTTOM-AFT (20x31)	WING SKIN BOTTOM - AFT (20x31)
	(17x20) WING SKIN BOTTOM-FRONT @ FUSELAGE		
245-T3 CLAD +.032			
144"			

ENGINEERING CHANGE NOTICE #3

SHEET #4 MARCH 1966

DWG 1-10.001

PICK UP HINGE WITH  
4 RIVETS (5AD) EACH SIDE

FLAP HINGE LINE

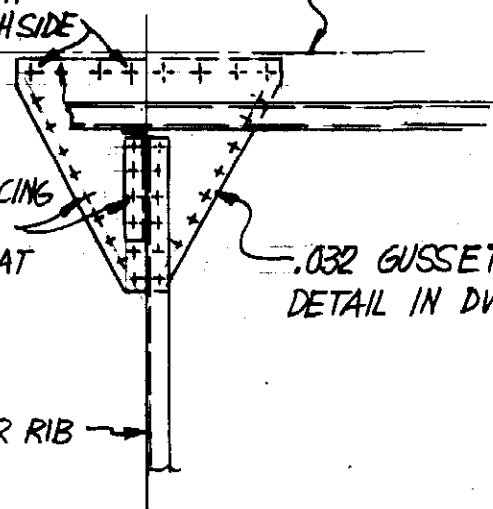
AD THIS INFORMATION TO  
THE WING PLAN VIEW AT  
THE LEFT END OF SHEET

4 AD @ .75 SPACING  
TYP FOR WHOLE  
GUSSET EXCEPT AT  
HINGE.

.032 GUSSET. (SEE  
DETAIL IN DWG 1-10.006)

CENTER RIB

☉ AIRPLANE



PL-1. CONSTRUCTION SPECIFICATIONS

1) - UNLESS OTHERWISE NOTED, ALL ALUMINUM ALLOY SHEET METAL ARE AS FOLLOWS:

EXTERNAL SKINS OR PARTS WHICH CAN BE FORMED BY STRAIGHT BENDS. } 2024-T3 - ALSO DESIGNATED 24S-T3

PARTS WHICH REQUIRE MORE COMPLEX FORMING SUCH AS RIBS OR FRAMES } 2024-O - ALSO DESIGNATED 24S-O

2) - ALL PARTS MADE FROM 2024-O, SHOULD BE HEATH TREATED AFTER FORMING.

3) - FOR EXTERNAL SKINS IT IS ADVISABLE TO USE 24S-T3 CLAD SKINS, BECAUSE IT PROVIDES BETTER CORROSION PROTECTION. ALL INTERNAL PARTS COULD BE MADE FROM BARE ALUMINUM ALLOY.

4) - ZINCHROMATE PAINT ALL PARTS BEFORE ASSEMBLY. IF 24S-T3 BARE IS USED FOR EXTERNAL SKINS, THE ZINCHROMATE PROTECTION IS A MUST. THE ZINCHROMATE PAINT IS AN EXCELENT BASE FOR PAINT. ALLOW AT LEAST 24 HOURS OF DRYING BEFORE FINAL PAINT.

5) - BOND ALL RIVETED ASSEMBLIES WITH EC-1838 B/A (MINNESOTA MINING AND MFG. CO) THIS OPERATION IS NOT NECESSARY, BUT IT IS HIGHLY RECOMENDABLE. IT WILL ELIMINATE RIVET HOLE CRACKS DUE TO FATIGUE. ALSO PROVIDES A VERY GOOD CORROSION PROTECTION EC-1838 A/B IS AN EPOXY BASED ADHESIVE, WHICH DO NOT REQUIRE PRESSURE AND CURES AT AMBIENT TEMPERATURE. THE WORKING LIFE, AFTER THE TWO COMPONENTS ARE MIXED IS 45 MINUTES FOR ONE POUND MASS, BUT IN SMALLER QUANTITIES THE WORKING LIFE COULD BE UP TO 2 HOURS.

IF YOU DECIDE TO USE BONDING IN YOUR PL-1, YOU COULD OBTAIN A COPY OF "EC-1838 B/A DATA SHEET." FROM MINNESOTA MINING AND MANUFACTURING CO. 990 BUSH- SAINT PAUL 6 MINNESOTA, OR FOLLOW THIS SIMPLIFIED PROCEDURE:

a) - CLEAN ALL SURFACES TO BE BONDED WITH ACETONE OR MEK (METHIL ETHIL KETONE) APPLY THE SOLVENT WITH A SKIRT BOTTLE AND WIPPED OF WITH A CLEAN CLOTH OR A PAPER TOWEL. REPEAT THIS PROCEDURE THREE TIMES, THE LAST TIME WIPE-OFF THE SOLVENT IMMEDIATELY AFTER WETTING. ALL TRACE OF GREASE OR OIL SHOULD BE ELIMINATED. AVOID TOUCHING THE CLEANED SURFACES WITH YOUR FINGERS.

b) - MIX ONLY THOSE AMOUNT OF ADHESIVE WHICH CAN BE USED WITHIN THE WORKING LIFE OF THE MIXTURE. TO ACHIEVE OPTIMUM PHYSICAL PROPERTIES, MIXING OF THE BASE AND HARDENER MUST BE VERY THOROUGH. CARE SHOULD BE TAKEN NOT TO INCORPORATE EXCESSIVE AIR INTO THE ADHESIVE DURING MIXING OR APPLICATION. OCLUDED AIR WILL TEND TO GIVE A POROUS AND WEAKENED BOND. FOR OPTIMUM PROPERTIES A RATIO OF EQUAL PARTS BY WEIGHT OF EC-1838 A (HARDENER) AND EC-1838 B (BASE) IS RECOMMENDED.

c) - APPLY MIXED EC-1838 TO BOTH SURFACES TO BE BONDED WITH A SPATULA. OPTIMUM PERFORMANCE IS OBTAINED WITH AN ADHESIVE THICKNESS OF 2 1/2 TO 5 MILS.

d) - CLAMP THE COMPONENTS USING CLECOS AND INSTALL ALL RIVETS.

e) - ALLOW ASSEMBLIES TO CURE. A STRONG DURABLE JOINT WILL BE ACHIEVED AS FOLLOWS:

@ 60° F - WITHIN 24-48 HOURS

@ 150° F - IN 2 HOURS

f) - EC-1838 A/B CONTAIN INGREDIENTS WHICH MAY BE SKIN IRRITANTS. AVOID PROLONGED OR REPEATED SKIN CONTACT. IF SKIN CONTACT OCCURS, REMOVE WITH RUBBING ALCOHOL FOLLOWED BY WASHING WITH SOAP AND WATER.

\* NOTE: EVEN IF BONDING IS A DESIRABLE FEATURE, EXPERIENCE HAVE PROVED THAT IT IS ALSO VERY CUMBERSOME. DO NOT BOND YOUR PL-1 UNLESS YOU ARE READY TO DO A LOT OF EXTRA WORK.

PL-1 LIST OF STANDARD PARTS (BY DRAWINGS)

PART NUMBER	PART NAME	QUANT.	PART NUMBER	PART NAME	QUANT.
<u>DWG. 1-10.001</u> AN 380-2-1 F-5000-10-832 AN 526-832-R5 AN 960-DB-L MS-20001-4	COTTER PIN PLATENUT (KAYNAR) BOLT WASHER HINGE	80 30 30 30	<u>DWG. 1-20.003</u> AN 380-2-1 NAS 464-4-12 AN 310-4 AN 960-C-416-L AN 381-2-12 AN 960-C-416 NAS 1103-11 AN 364-1032 AN 3-6 AN 960-C-10L AN 310-3 AN 526-632-4 NAS 697(MK-1000-06) MS-20001-4 CR-9127-3-2	COTTER PIN BOLT NUT WASHER COTTER PIN WASHER BOLT NUT BOLT WASHER NUT SCREW PLATENUT (KAYNAR) HINGE BLIND RIVET (CHERRY)	6 3 3 12 4 6 2 2 1 2 1 4 4 A/R A/R
<u>DWG. 1-10.002</u> NAS-1204-12 NAS-1104-15 NAS-1204-15 NAS-1104-16 AN 364-42B AN 960-416L	BOLT BOLT BOLT BOLT NUT WASHER	24 24 4 4 56 56	<u>DWG. 1-10.004</u> S-11154-6-A-Y	GROMMET (SHAMBAN CO)	40
<u>DWG 1-10.006</u> AN 310-3 AN 960-10 AN 380-2-2 NAS 464-3-3 AN 364-1032 F-1934-3-2 REB 3 N2	NUT WASHER COTTER PIN BOLT NUT PLATENUT (KAYNAR) ROD END (FAFNIR)	1 2 1 18 4 14 1	<u>DWG. 1-30.002</u> 354-A x 23" LONG <u>DWG. 1-30.003</u> NAS 1202-4 AN 365-B32-A 6-32 x 3/8" LONG NAS 697(MK 1000-06)	SLIDE CHANNEL (GRANT) BOLT NUT FLAT HEAD MACH. SCREW PLATENUT (KAYNAR)	2 4 4 2 2
<u>DWG 1-10.007</u> NAS 1203-3 F 1934-3-2	SCREW PLATENUT (KAYNAR)	20 20	<u>DWG 1-30.005</u> AN 3-4 AN 364-1032 AN 526-632-4 NAS 697 (MK 1000-06) KSA	BOLT NUT SCREW PLATENUT (KAYNAR) BEARING	4 4 2 2 1
<u>DWG 1-20.001</u> NAS 697 (MK 1000-06) AN 526-634-4 CR 9127-3-1 KSA	PLATENUT (KAYNAR) SCREW BLIND RIVET (CHERRY) BEARING (FAFNIR)	10 10 A/R 1	<u>DWG 1-30.006</u> NAS 697 (MK 1000-06) AN 526-632-4 F-1934-3-2 AN 960-PD4 NAS 464-3-3	PLATENUT (KAYNAR) SCREW PLATENUT (KAYNAR) WASHER BOLT	60 60 2 8 2
<u>DWG 1-20.002</u> AN 4-11 AN 310-4 AN 381-25-16 AN 960-D-416L  CR 9127-3-1 CR 9163-4-2 CR 9163-4-5	BOLT NUT COTTER PIN WASHER  BLIND RIVET (CHERRY) " " " " " "	2 2 1 5  24 3 5	<u>DWG 1-30.007</u> AN 5-11 K 1400-5 AN 220-1 K 2000-06 AN 526-632-4 K 1000-06	BOLT PLATENUT (KAYNAR) PULLEY PLATENUT (KAYNAR) SCREW PLATENUT (KAYNAR)	2 2 2 2 12 10



## PL-1 LIST OF STANDARD PARTS (BY DRAWINGS)

PART NUMBER	PART NAME	QUANT.	PART NUMBER	PART NAME	QUANT.
<u>DWG 1-30.008</u>			<u>DWG 1-40.004</u>		
AN 175-26	NUT	2	AN 4-14	BOLT	2
AN 364-524	NUT	2	AN 365-428	NUT	2
AN 960-PD 516	WASHER	4	AN 960-416 L	WASHER	2
NAS 333-4	BOLT	6	AN 220-2	PULLEY	2
FM34-3-2	PLATENUT (KAYNAR)	6	AN 5-11	BOLT	2
			AN 364-524	NUT	2
<u>DWG. 1-30.009</u>			AN 5-27	BOLT	1
AN 66A	TERMINAL	4	AN 960-516 L	WASHER	2
AN 3-7	BOLT	1	AN 364-524	NUT	1
AN 310-3	NUT	1	AN 5-20 A	BOLT	4
AN 381-2-12	COTTER PIN	1	AN 960-516	WASHER	4
RA 2483-4 } OR SA-161-SB }	EYE	4	AN 365-524	NUT	4
			AN 3-4	BOLT	1
<u>DWG. 1-30.010</u>			AN 960-10L	WASHER	1
MK 1000-06	PLATENUT (KAYNAR)	16	AN 364-1032	NUT	1
AN 526-632-RA	SCREW	16			
AN 380-2-1	COTTER PIN	4	<u>DWG 1-40.005</u>		
			A 1274-8Z-3 "D"	NUT (TINNERMANN)	30
<u>DWG 1-40.002</u>			AN 530-8-8	SCREW	42
AN 659-2 } MS-20659 OR }	TERMINAL	6	AN 960-8L	WASHER	42
AN 970-3	WASHER	4	AN-6-46	BOLT	4
AN 960-10L	WASHER	16	AN 960-616	WASHER	14
AN 364-1032	NUT	8	MS 20365-624 C	NUT	4
AN 960-B 616	WASHER	2	K 2000-08	PLATENUT (KAYNAR)	12
AN 380-2-1	COTTER PIN	8	AN 526-832-8	SCREW	12
AN 833-6D	ELBOW	2	AN 6H-31A	BOLT	6
AN 924-6D	NUT	2	A-6191-8Z-3	NUT (TINNERMANN)	12
330-515-6	SEAL (PARKER CO.)	2			
AN 818-6D	NUT	2	<u>DWG 1-40.006</u>		
AN 819-6Z } MS 20819 OR }	SLEEVE	2	AN 380-2-1	COTTER PIN	4
AN 526-832-5	SCREW	20	MS 20001-4	HINGE	AR
AN 507-832-RA	SCREW	26	H-4600-.032-.064	LATCH (HARTWELL)	
NAS 680-A08	PLATENUT	46			
R 15050-3A	GROMMET (REID)	2	<u>DWG 1-50.002</u>		
KM 610-64	LATCH (CAMLOC)	4	A 1804-6Z-3	NUT (TINNERMANN)	8
39-B 4233	FILLER NECK (AIRASSO)	2	AN 530-6-6	SCREW	8
42-A 3589	CAP	2	AN 960-C10	WASHER	4
FORD 1959 CAR	FUEL GAUGE	2	AN 3-11	BOLT	4
CAV-110	FUEL DRAIN (SAF-AIR)	2	AN 364-1032	NUT	4
AN 123969	"O" RING	2	AN 5-20	BOLT	2
AN 3033-2	LIGHT ASSY (GRIMES)	1	AN 316-5	NUT	2
AN 3033-1	LIGHT ASSY (GRIMES)	1	NAS 1104-15	BOLT	2
AN 814-8D	PLUG	2	AN 960-PD 416	WASHER	4
			AN 364-428	NUT	4
			AN 3-7	BOLT	2
			AN 960-PD 10	WASHER	2

PL-1 LIST OF STANDARD PARTS (BY DRAWINGS)

PART NUMBER	PART NAME	QUANT	PART NUMBER	PART NAME	QUANT
<u>DWG 1-50.002 -CONTD.</u>			<u>DWG 1-50.007</u>		
AN 364-1032	NUT	2	AN 5-20	BOLT	2
NAS-1104-15	BOLT	2	AN 4-15	BOLT	2
F 5000-10-832	PLATENUT (KAYNAR)	6	AN 3-13	BOLT	4
AN 526-832-R4	SCREW	6	AN 364-1032	NUT	9
REB 3 N 2	ROD END	2	AN 4-20	BOLT	2
RE 4 F 5	ROD END	2	AN 364-428	NUT	5
AN 218 P4 OR	BEARING	2	AN 4-10	BOLT	2
BCP 4 W 10			AN 4-16	BOLT	1
			AN 3-4	BOLT	1
			AN 3-7	BOLT	4
<u>DWG 1-50.004</u>			NAS 77 A-5-50P	BUSHING	2
S-11154-A-Y	GROMMET (SHAMBAN)	1	NAS 76 A-5-015P	BUSHING	1
NAS 623-2-7	SCREW	1	DW4K	BEARING	2
AN 364-832	NUT	1	KPA	BEARING	4
MK-1000-08	PLATENUT (KAYNAR)	6	REB-3N	ROD END	2
NAS 623-2-2	SCREW	6	RE 3 H 5	ROD END	2
NAS 1104-19	BOLT	2			
AN 364-428	NUT	2			
MK 1000-06	PLATENUT (KAYNAR)	18	<u>DWG 1-50.008</u>		
AN 526-632-4	SCREW	18	AN 3-6	BOLT	2
79-.028-125-.0625	ROLL PIN (ESNA)	1	AN 310-3	NUT	2
79-.028-125-.0500	ROLL PIN (ESNA)	1	AN 3-5	BOLT	2
			AN 310-3	NUT	2
<u>DWG. 1-50.006</u>			AN 381-2-12	COTTER PIN	5
AN 220-1	PULLEY	2	AN 3-14	BOLT	8
S-11154-6-A-Y	GROMMET (SHAMBAN)	1	MK-1000-3	PLATENUT (KAYNAR)	8
AN 5-11	BOLT	2	SA-161-SB OR }	EYE { MACWHITE	2
AN 364-524	NUT	2	RA 2482-4 }	{ AMERICAN CAB&C.	
AN 380-2-2	COTTER PIN	4	AN 160-32S	TERMINAL	2
AN 316-5	NUT	1	AN 155-32S	TURNBUCKLE	2
AN 5-24	BOLT	1	AN 669-54 RH	TERMINAL	1
AN 320-3	NUT	1	AN 664-	TERMINAL	
AN 3-13	BOLT	1			
AN 364-1032	NUT	2	<u>DWG 2-60.001</u>		
AN 3-10	BOLT	1	AN 382-2-2	COTTER PIN	2
AN 310-5	NUT	1	AN 380-4-3	" "	2
AN 381-25-16	COTTER PIN	1	AN 380-2-3	" "	4
C-641-B	UNIV. JOINT (CURTIS)	1	AN 960-PD 516L	WASHER	2
KP 5A	BEARING	1	AN 960-PD 416	WASHER	14
L-95-Y	MITTER GEAR (BOSTON)	2	AN 960-PD 10L	WASHER	10
RE 4 F 5	ROD END	2	AN 7502-20	NUT	2
RE 3 MR 3	ROD END	1	AN 365-1032	NUT	4
RE 3 H 5	ROD END	1	AN 364-524	NUT	2
KS 4	BEARING	2	AN 364-428	NUT	4
			AN 363-428	NUT	8
			AN 310-4	NUT	4
			AN 310-3	NUT	2

PL-1 LIST OF STANDARD PARTS (BY DRAWINGS)

PART NUMBER	PART NAME	QUANT.	PART NUMBER	PART NAME	QUANT.
<u>DWG 2-60.001 - CONTD.</u>			<u>DWG. 2-60.002 - CONTD.</u>		
NAS 464-3-15	BOLT	2	AN 380-2-2	COTTER PIN	3
AN 5-22	BOLT	2	AN 960-PD 516L	WASHER	2
AN 4-26	BOLT	4	AN 960-516L	WASHER	2
AN 4-24	BOLT	2	AN 960-PD 416L	WASHER	12
AN 4-7	BOLT	8	AN 960-10L	WASHER	4
AN 4-5	BOLT	16	AN 960-PD 10L	WASHER	8
AN 3-14	BOLT	4	AN 365-428	NUT	4
1/4-28 x 1/4 LONG	SET SCREW (STAR)	2	AN 365-1032	NUT	2
NAS 669-231	RETAINING RING	2	AN 364-428	NUT	1
AN 6231-19 OR	SCRAPER RING	2	AN 364-1032	NUT	2
MS 28776-19	TEFLON RING	4	AN 316-6	NUT	1
MS 28774-327	"O" RING	2	AN 310-5	NUT	1
AN 6227-30	"O" RING	2	AN 310-4	NUT	2
AN 6230-4	BUSHING	8	AN 310-3	NUT	3
NAS 77-6-50	LUBRICATOR	6	AN 5-6	BOLT	1
AN 944-101 A	VALVE	2	AN 4-32	BOLT	1
AN 6287-1 OR	TIRE (GOODYEAR)	2	AN 4-26	BOLT	2
MS 28889	WHEEL ASSY (GOODYEAR)	2	AN 4-15	BOLT	4
5.00 x 5 - 4 PLY	PLATENUT (KAYNAR)	18	AN 509-10-23	SCREW	2
1532101	BOLT	18	AN 3-13	BOLT	2
MK 1000-06	PLATENUT (KAYNAR)	4	AN 3-7	BOLT	2
AN 526-632-R4			AN 3-6	BOLT	1
F 5000-4			500 x 5 - 4 PLY	TIRE (GOODYEAR)	1
			9532102	WHEEL ASSY (GOODYEAR)	1
			1/4-28 x 1/4 LONG	SET SCREW (STAR)	1
<u>DWG 2-60.002</u>			<u>DWG 1-60.003</u>		
AN 481-4 P	CLEVIS	1	MK-1000-06	PLATENUT (KAYNAR)	40
AN 960-BL	WASHER	1	AN-526-632-R4	SCREW	40
AN 526-B32-4	SCREW	1	AN 526-632-R12	SCREW	3
RE3M6-2N	ROD END (FAFNIR)	1	AN 364-632	NUT	3
NAS 669-37	RETAINER RING	1			
NAS 669-231	" " "	1			
AN 6231-19 OR	SCRAPER RING	1			
MS 28776-19	TEFLON RING	2			
MS 28774-327	"O" RING	1			
AN 6227-30	"O" RING	1			
AN 6227-2	"O" RING	2			
AN 6227-8	"O" RING	1			
AN 6230-4	"O" RING	1			
AN 6227-2	"O" RING	1			
AN 944-101 A	LUBRICATOR	3			
AN 6287-1 OR	VALVE	1			
MS 28889	BUSHING	2			
NAS-77-10-50	BUSHING	4			
NAS-77-6-50	COTTER PIN	2			
AN 380-2-3					

# PL-1 LIST OF STANDARD PARTS (RESUME)

PART NUMBER	QUANT.	PART NUMBER	QUANT.	PART NUMBER	QUANT.
<b><u>SCREWS</u></b>		<b><u>BOLTS (CONTD.)</u></b>		<b><u>NUTS (CONTD.)</u></b>	
NAS 623-2-2	6	AN 5-27	1	AN 363-428	8
NAS 623-2-7	1	AN 5-11	6	AN 364-428 } OR	73
NAS 1202-4	4	AN 6-46	4	NAS 679-A }	
NAS 1203-3	20	AN 6-H-31A	6	AN 364-524	9
NAS 1204-12	24	AN 175-26	2		
NAS 1204-15	4	NAS 333-4	6	AN 364-632	3
AN 507-832-4	26	NAS 464-3-3	20	AN 364-832	1
AN 509-10-23	2	NAS 464-3-15	2	AN 364-1032 } OR	38
AN 526-632-4	106	NAS 464-4-12	3	NAS 679-A-3 }	
AN 526-632-RA	40	NAS 1103-11	2	AN 365-428	6
AN 526-832-4	1	NAS 1104-15	28	AN 365-524	4
AN 526-832-RA	6	NAS 1104-16	4	AN 365-832 A	4
AN 526-832-5	20	NAS 1104-19	2	AN 365-1032	6
AN 526-832-R5	30			AN 818-6-D	2
AN 526-832-B	12	<b><u>WASHERS</u></b>		AN 924-6-D	2
6-32 x 3/8 FLAT HEAD	2	AN 960-B-L	43	AN 7502-20	2
1/4-28 - 1/4 LG. FLAT POINT	3	AN 960-D-BL	30	MS 20365-624 C	4
AN 526-632-R12	3	AN 960-10	2	A-1274-82-3	30
AN 530-8-8	42	AN 960-10L	22	A-1804-62-3 } TINNEMANN	8
		AN 960-10L	2	A-6191-82-3 }	
		AN 960-C-10L	2		
<b><u>BOLTS</u></b>		AN 960-C-10	4	<b><u>PLATENUTS (KAYNAR)</u></b>	
AN 3-4	6	AN 960-PD-10	2	F-1934-3-2	42
AN 3-5	2	AN 960-PD-10L	18	F-5000-4	4
AN 3-6	4	AN 960-PD-4	8	F-5000-10-832	36
AN 3-7	9	AN 960-PD-4	8	MK-1000-3	8
AN 3-10	1	AN 960-C-416	6	MK-1000-6	180
AN 3-11	4	AN 960-C-416L	12	K-1400-5	2
AN 3-13	7	AN 960-416L	58	K-2000-06	2
AN 3-14	12	AN 960-D-416L	17	K-2000-08	18
AN 4-5	16	AN 960-PD-416L	27	NAS 680-A-08	46
AN 4-7	8	AN 960-PD-416	4		
AN 4-10	4	AN 960-516	4	<b><u>COTTER PINS</u></b>	
AN 4-14	2	AN 960-516L	4	AN 380-2-1	102
AN 4-15	6	AN 960-PD-516	4	AN 380-2-2	10
AN 4-16	1	AN 960-PD-516	4	AN 380-2-3	6
AN 4-20	2	AN 960-616	14	AN 380-4-3	2
AN 4-24	2	AN 960-616	2	AN 381-2-12	10
AN 4-26	6	AN 960-B-616	2	AN 381-25-16	2
AN 4-32	1	AN 970-3	4		
AN 4-11	2	<b><u>NUTS</u></b>		<b><u>ROLL PINS (ESNA)</u></b>	
AN 5-6	1	AN 310-3	12	79-.028-.125-.0500	2
AN 5-20	4	AN 310-4	11	79-.028-.125-.0625	1
AN 5-20A	4				
AN 5-22	2	AN 310-5	2		
AN 5-24	1	AN 316-5	3		
		AN 316-6	1		
		AN 320-3	1		

## PL-1 LIST OF STANDARD PARTS (RESUME)

PART NUMBER	PART NAME	QUANT.	PART NUMBER	PART NAME	QUANT.
AN 123969	"O" RING	2	AN 161-SB	EYE (MACWHITE)	6
AN 6227-2	"	1	RA 2482-4 OR		
AN 6227-8	"	2	RE 3 H 5	ROD END	3
AN 6227-30	"	3	RE 3 MR 3	" "	1
AN 6230-4	"	3	RE 4 F 5	" "	6
AN 6227-21	"	1	REB - 3 - N - 2	" "	3
			REB - 3 - N	" "	2
NAS-77-A-5-50-P	BUSHING	2	RE - 3 - M 6 - 2N	" "	1
NAS-77-6-50	"	12			
NAS-77-10-50	"	2	500x5 - 4 PLY	TIRE (GOOD YEAR)	3
NAS-76-A-5-05-P	"	1	9532102	WHEEL (GOOD YEAR)	1
			1532101		
AN 220-1	PULLEY	4	PD 933-1 }	WHEEL & BRAKE (GOODY.)	2
AN 220-2	"	2			
AN 944-101-A OR	LUBRICATOR	9	AN 3033-2	LIGHT ASSY (GRIMES)	1
MS 15001-			AN 3033-1	" " "	1
AN 6287-1 OR	VALVE	3		TAIL LIGHT "	2
MS 2888-9				LANDING LIGHT "	1
AN 833-6D	ELBOW	2		ROTARY BEACON "	1
39-B-4233	FILLER NECK	2	KP 5A	BEARING	1
42-A-3589	CAP	2	KS 4	"	4
1959 FORD CAR	FUEL GAUGE	2	BCP-4W10	"	2
CAV-110	FUEL DRAIN (SAF-AIR)	2	KP4	"	4
AN 814-8D	PLUG	2	DW4K	"	2
C-641-B	UNIV. JOINT (CURTIS)	1			
L-95-Y	MITTER GEAR (BOSTON)	2			
NAS 669-231	RETAINING RING	3			
NAS 669-37	" "	1			
AN 6231-19 OR	SCRAPER RING	3			
MS 28776-19					
MS 28774-327	TEFLON RING	6			
AN 481-4 P	CLEVIS	1			
354-A x 23" LONG.	SLIDE CHANNEL (GRANT)	2			
330-515-6	SEAL (PARKER)	2			
AN 819-62 OR	SLEEVE	2			
MS 20819					
KM 610-64	LATCH (CAMLOC)	2			
H4-600-.032-.064	LATCH (HARTWELL)	4			
AN 664	TERMINAL	5			
AN 659-2 OR	TERMINAL	6			
MS 20659					
AN 669-SA RH	TERMINAL	1			
AN 155-32S OR	BARREL-TURNBUCKLE	2			
MS 21251					
AN 160-32S OR	FORK-TURNBUCKLE	2			
MS 21252					