

PN313 (REF)
CALPROM 1
(J5) (LCR-93)

124282 (REF) ◀ 9
FLUX VALVE CALPROM

5VDC CALPROM PWR	1
5VDC RETURN	2
STXD	3
STXD	4
STXCLK	5
SPROMCS	6

PN311
AHR5 1 LITEF
(J4) (LCR-93)

M24308/2-289 CONNECTOR ◀ 19
D15000GEO-923.7 SOCKETS (62)
D37000GEO-923.7 BACKSHELL (METRIC SCREWLOCKS)

FLUX VALVE (X)	51	(WHT)
FLUX VALVE (Y)	30	(ORN)
FLUX VALVE (Z)	9	(BLU)
STATOR COMMON	50	(WHT)
FLUX VALVE EXC H	2	(WHT)
FLUX VALVE EXC L	22	(BLU)

NO 3 429 OUT (H)	28	(WHT)
NO 3 429 OUT (L)	48	(BLU)
MADC 1 429 IN (H)	6	(WHT)
MADC 1 429 IN (L)	27	(BLU)

28VDC SLEW L IN	16	(WHT)
28VDC SLEW R IN	58	(ORN)
DG MODE SELECT	57	(BLU)

NO 1 429 OUT (H)	8	(WHT)
NO 1 429 OUT (L)	29	(BLU)
NO 2 429 OUT (H)	49	(WHT)
NO 2 429 OUT (L)	7	(BLU)

PROGRAM PIN COMM	32	(WHT)
MOUNT POSITION 1	35	(WHT)
MOUNT POSITION 2	35	(WHT)
SOURCE DEST ID	34	(WHT)
FLUX VAL REF IN	60	(WHT)
FLUX VAL REF IN	39	(WHT)
MADC 2 429 IN (H)	47	(WHT)
MADC 2 429 IN (L)	5	(BLU)

28VDC SAV REF IN	36	(WHT)
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PN309 (REF)
AHR5 1 LITEF
(J2) (LCR-93)

24VDC FAN PWR	3	(REF)
FAN TEST ENABLE A	4	(REF)
FAN TEST ENABLE B	5	(REF)
24VDC FAN RETURN	2	(REF)

PN307
AHR5 1 LITEF
(J1) (LCR-93)

M24308/2-2 CONNECTOR ◀ 19
D15000GEO-923.7 SOCKETS (62)
D37000GEO-923.7 BACKSHELL (METRIC SCREWLOCKS)

28VDC SAV REF OUT	15	(WHT)
28VDC PRI PWR GND	2	(WHT)
28VDC PRI PWR GND	10	(WHT)
28VDC PWR GND	5	(WHT)
28VDC AUX PWR GND	4	(WHT)
28VDC AUX PWR GND	12	(WHT)
28VDC AUX BATT IN	11	(WHT)
28VDC AUX BATT IN	3	(WHT)
28VDC PWR OUT	8	(WHT)
AUX PWR ANNUN	7	(WHT)
28VDC PRI PWR IN	1	(WHT)
28VDC PRI PWR IN	9	(WHT)

PN306
AHR5 AUX BATT PWR
PS-835D 5AH BATT

DPXB13-3350001 CONNECTOR ◀ 79
CB902 ◀ 14 ◀ 159
S2899L15.0

28VDC OUT	11	(16)
28VDC IN	10	(16)
GND	7	(16)
GND	12	(16)

(NOSE) **PB301** (CABIN) **JB301** (TAIL) **JA301** (TAIL) **PA301** (TAIL) **JV301** (VERT STAB) **PV301** (VERT STAB)

MS3476L16-26P CONNECTOR ◀ 19
M85049/52-1-16N BACKSHELL

MS3474L16-26S CONNECTOR ◀ 19
M85049/52-1-16N BACKSHELL

MS27474T10F35SA CONNECTOR ◀ 19
M85049/49-2-10N BACKSHELL

MS27473T10F35PA CONNECTOR ◀ 19
M85049/49-2-10N BACKSHELL

MS27474T10F35S CONNECTOR ◀ 19
M85049/49-2-10N BACKSHELL

MS27473T10F35P CONNECTOR ◀ 19
M85049/49-2-10N BACKSHELL

PN381 (REF)
AVIONICS NOSE J-BOX

PN305 (REF) **JN305** (REF)
WEB (LEFT) (RIGHT) CTR

AHR5 1 429 IN (H)	70	(WHT)
AHR5 1 429 IN (L)	51	(BLU)
MADC 1 429 OUT (H)	41	(WHT)
MADC 1 429 OUT (L)	44	(BLU)

NGS301 ◀ 118 (REF)

PN382 (REF)
AVIONICS NOSE J-BOX

MADC 2 429 OUT (H)	62	(WHT)
MADC 2 429 OUT (L)	62	(BLU)

NGS302 (REF)

PN385 (REF)
AVIONICS NOSE J-BOX

S3106-4 DIODE ASSY (1N4006)

GND IN AIR AHR5 1 RELAY POWER	29	(WHT)
WOW GND IN	23	(WHT)
GND	32	(WHT)

PN305 (REF) **JN305** (REF)
WEB (LEFT) (RIGHT) CTR

MADC 2 429 OUT (H)	66	(WHT)
MADC 2 429 OUT (L)	67	(BLU)

PN304
AHR5 AUX BATT PWR
PS-835D 5AH BATT

DPXB13-3350001 CONNECTOR ◀ 79
CB902 ◀ 14 ◀ 159
S2899L15.0

PB304 (NOSE) **JB304** (TAIL)

MS3476L14-12P CONNECTOR ◀ 19
M85049/52-1-14N BACKSHELL

MS3474L14-12S CONNECTOR ◀ 19
M85049/52-1-14N BACKSHELL

PC005 AVN/ELEC DISC (REF)

STBY GYPP SW GND IN

AUX PWR ANNUN

PF427 (REF)
AVIONICS CABIN J-BOX

AUX PWR ANNUN	7	(WHT)
AUX PWR ANNUN	23	(WHT)
RELAY PWR (COIL)	22	(WHT)
AUX PWR GND (COIL)	4	(WHT)

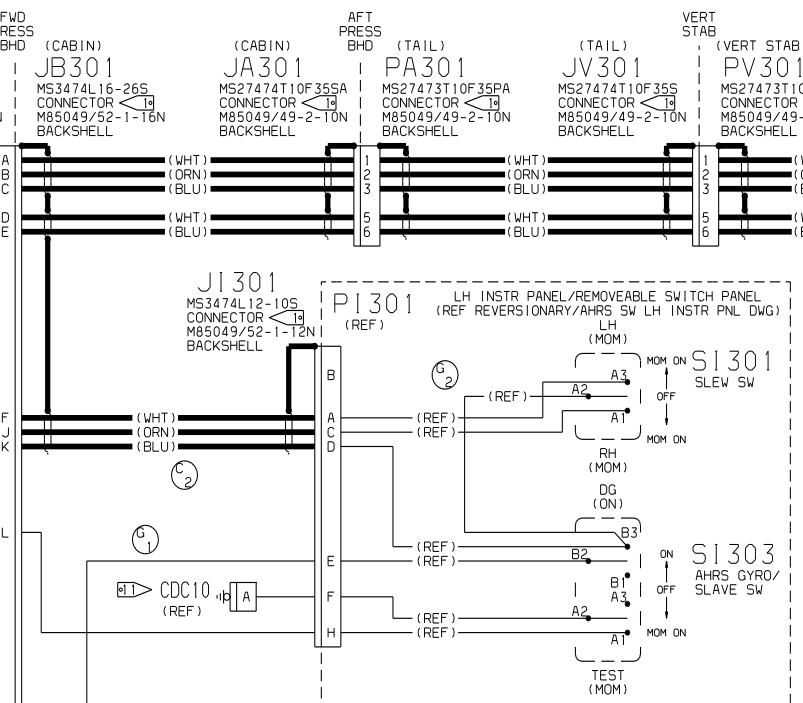
PC004 AVN/ELEC DISC (REF)

JC004 (REF)

PC003 (REF)

LH CB PANEL (REF)

AHR5 AUX BATT 28VDC ELEC BUS

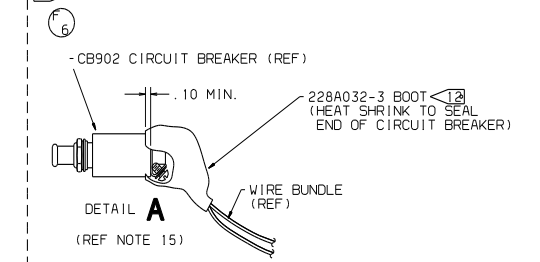


UH301
FLUX VALVE 1
(4J1) (FX-220)

FLUX VALVE (X)	1	(WHT)
FLUX VALVE (Y)	2	(ORN)
FLUX VALVE (Z)	3	(BLU)
STATOR COMMON	4	(WHT)
26V 400HZ (H)	5	(WHT)
26V RETURN (L)	6	(BLU)

TGS301 (REF)

- NOTES:
- AFFIX CM2987-1 ID TAG NEAR CONNECTOR.
 - AN ASTERISK PRECEDING A LETTER INDICATES LOWER CASE.
 - ALL WIRE PER MIL-W-81044/12, 22 AWG, EXCEPT AS NOTED.
 - TWO CONDUCTOR SHIELDED WIRE PER M27500-ML2T08 (* SIZE 22 EXCEPT AS NOTED)
 - THREE CONDUCTOR SHIELDED WIRE PER M27500-ML3T08 (* SIZE 22 EXCEPT AS NOTED)
 - FAN CONNECTOR P2 IS VENDOR FURNISHED AND INSTALLED AS PART OF THE MOUNTING TRAY W/FAN ASSY.
 - ITT CANNON, SANTA ANA, CA.
 - USE TERMINALS SUPPLIED WITH FLUX VALVE.
 - THE FLUX VALVE CALPROM IS A ONE PC UNIT WHERE THE MATING CONNECTOR P5 IS AN INTEGRAL PART OF THE CALPROM ITSELF. THEREFORE, NO WIRING IS REQUIRED AS CALPROM AFFIXES DIRECTLY ONTO THE AHR5 CONNECTOR J5.
 - LINE SHOWN AS BOLD SHALL MEET THE HIRF GUIDELINES AS SPELLED OUT ON THE AVIONICS INSTL KIT, AND MANUFACTURED IN ACCORDANCE WITH CESSNA SPECIFICATION CSAM012.
 - REFER TO 8654500 FOR GROUND BLOCK/STUD INSTL.
 - RAYCHEM, MENLO PARK, CALIF.
 - POSITRONICS INDUSTRIES, SPRINGFIELD, MO.
 - REFER TO NOSE EQUIP INSTL FOR LOCATION.
 - SEE DETAIL "A" FOR INSTL OF BOOT OVER CIRCUIT BREAKER.
 - MISC HARDWARE:
 - M81824/1-1 SPLICE
 - D436-38 SPLICE
 - M7928/1-40 16GA NO.10 TERMINAL
 - S1367-1-6 TERMINAL
 - M7928/1-42 16GA NO.6 TERMINAL
 - S1367-1-8 TERMINAL
 - S2974N3 SOLDER SLEEVE
 - S1367-1-10 TERMINAL
 - S2974-3 SHIELD TERMINATION
 - INSTALL DIODE ASSY DN305 NEAR AVN NOSE J-BOX PN385.



DATE	02/09/96	CESSNA AIRCRAFT COMPANY AIRCRAFT DIVISION P.O. BOX 7704 WICHITA, KANSAS 67277
GROUP	STEVEN AKER	
CHECK		CABLE ASSY - AHR5 1 (LCR-93)
SELECT		
PROJ		
REV		
OTHER		
FABRICATE PER DES2606 PROCESS PER XXXXXXXXXXXXX WIRE TERMINATION PER DES216.		

SIZE (FSOR NO.) **F71379** DWG NO. **71379**

SCALE: SHEET 2 OF 2