COMMUNICATION

(STRAPPING PROCEDURE)

(E2)

A. IF MODE-S CODE GIVEN IN BINARY FORMAT (1'S & 0'S), PROCEED WITH STEP D.

B. IF MODE-S CODE GIVEN IN OCTAL FORMAT (8 DIGITS) YOU MUST CONVERT THE MODE-S CODE TO BINARY FORM AS FOLLOWS:

0 JUMPER 0 = 0 JUMPER 0 JUMPER	0 JUMPER 1 = 0 JUMPER 1 CUT	0 JUMPER 2 = 1 CUT 0 JUMPER	0 JUMPER 3 = 1 CUT 1 CUT
1 CUT 4 = 0 JUMPER 0 JUMPER	1 CUT 5 = 0 JUMPER 1 CUT	1 CUT 6 = 1 CUT 0 JUMPER	1 CUT 7 = 1 CUT 1 CUT

C. CUT OR JUMPER HONEYWELL PROGRAMMING STRAPS WHERE:
BINARY 1 = CUT BINARY 0 = JUMPER

D. PERFORM SAME OPERATION ON COM 1 & COM 2

E. CUT STRAPS ON COMM BOARDS AS SHOWN IN TABLE 1.

F. UPON COMPLETING THE ABOVE STEPS COUNT THE NUMBER OF JUMPERS ON STRAP POSITONS 1,2,5 THRU 48.

IF THE TOTAL IS AN EVEN NUMBER:
CUT STRAP POSITONS #3,
JUMPER STRAP POSITION #4.

IF THE TOTAL IS AN ODD NUMBER:
CUT STRAP POSITON #4,
JUMPER STRAP POSITION #3

G. USE MODE-S TRANSPONDER TESTER TO VERIFY CODE.

NOTES:

1. THIS PROGRAMMING DRAWING DEFINES AN AIRCRAFT CONTAINING WIDE BODIED RCZ-851F COMM UNITS WITH NON-DIVERSITY MODE S TRANSPONDERS OR RCZ-851G COMM UNITS WITH MODE C TRANSPONDERS AND RNZ-850 NAV UNITS.
2. (#2) CUT STRAP ONLY IF TCAS II OPT. IS INSTALLED. UPDATE PARITY STRAPPING W3 & W4 AS REQUIRED.
3. (#3) CUT STRAP ONLY IF RCZ-851E COMM UNITS WITH MODE S DIVERSITY TRANSPONDERS ARE INSTALLED. UPDATE PARITY STRAPPING W3 & W4 AS REQUIRED. (DIVERSITY XPDRS ARE REQUIRED FOR THE TCAS II OPTIONAL INSTALLATION.)
4. THIS DRAWING IS FILED IN PROCADAM.
5. (#5) CUT STRAPS ONLY IF ADF #2 OPT. IS INSTALLED. UPDATE PARITY STRAPPING W3 & W4 AS REQUIRED. (E1)
6. (#6) REFER TO NAVIGATION STRAPPING PROCEDURE C TO DETERMINE IF STRAP W3 OR W4 IS CUT.

REVISIONS				
SHEET	REV	DESCRIPTION	DATE	APPROVED
1 1,2 2 2	E	REDRAWN WITH CHANGES: 1)ADDED NOTE 5 AND NOTE 6. 2)CHANGED PROCEDURE NUMBERING TO LETTERING. 3)ADDED STRAPPING INFORMATION FOR ADF #2 OPT. 4)ADDED NOTATION (STD CONFIG SHOWN). EFF: EC 565002	05/06/98 SAS	

TABLE 1

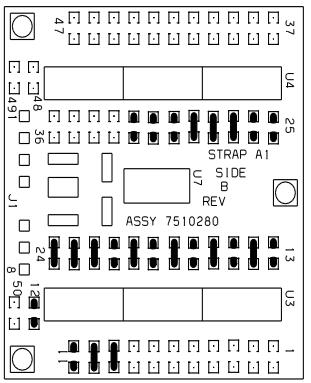
CUT STRAP POSITION #	CUT STRAP POSITION #
8	1
33	8
38	33
(#2) 43	38
(#3) 44	42
(#2) 47	(#2) 43
.	(#3) 44
.	(#2) 47
.	.
.	.
.	.
.	.
.	.
.	.
.	.
.	.
.	.
.	.
.	.
COMM 1	COMM 2

EXAMPLE

OCTAL MODE-S CODE:
70612534

1 = CUT, 0 = JUMPER
TOTAL NUMBER OF JUMPERS = 30
(AN EVEN NUMBER)
THEREFORE CUT #3, JUMPER #4

OCTAL	BINARY	STRAP POSITION #
7	1 CUT	32
	1 CUT	31
	1 CUT	30
0	0 JUMPER	29
	0 JUMPER	28
	0 JUMPER	27
6	1 CUT	26
	1 CUT	25
	0 JUMPER	24
1	0 JUMPER	23
	0 JUMPER	22
	1 CUT	21
2	0 JUMPER	20
	1 CUT	19
	0 JUMPER	18
5	1 CUT	17
	0 JUMPER	16
	1 CUT	15
3	0 JUMPER	14
	1 CUT	13
	1 CUT	12
4	1 CUT	11
	JUMPER	10
	JUMPER	9



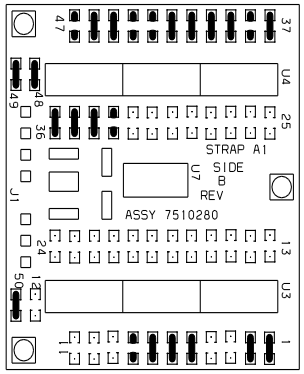
COM 2

(NOTE: ONLY MODE S STRAPPING SHOWN FOR CLARITY)

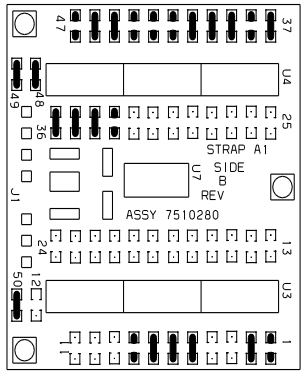
YOUR AIRCRAFT WORKSHEET
(MODE-S CODE)
COM 1 & COM 2

OCTAL	BINARY	STRAP POSITION #
		32
		31
		30
		29
		28
		27
		26
		25
		24
		23
		22
		21
		20
		19
		18
		17
		16
		15
		14
		13
		12
		11
		10
		9

HONEYWELL RADIO PROGRAMMING CONFIGURATION



COM 1



COM 2

(NOTE: MODE S AND PARITY STRAPPING OMITTED FOR CLARITY)

DATE	12/12/96
DRAWN	ROBERT SCOTT
GROUP	
CHECK	
SECT	
PROJ	
M.E.	
OTHER	
.	SEE SHEET
.	SIG.

FABRICATE PER CES2606
PROCESS PER XXXXXXXXXXXX
WIRE TERMINATION PER CES27.16

CESSNA AIRCRAFT COMPANY
AIRCRAFT DIVISION
P.O. BOX 7704
WICHITA, KANSAS 67277

CITATION EXCEL
HONEYWELL PRIMUS II
SYSTEMS PROGRAMMING

SIZE F | FSCM NO. 71379 | DWG NO. ******

SCALE: NONE | SHEET 1 OF 2

CES FORM 1872

EC34154, 34155

DWG NO. ****** E

REVISIONS				
SHEET	REV	DESCRIPTION	DATE	APPROVED

NAVIGATION

(STRAPPING PROCEDURE)

(E2)

A. STRAP NAV BOARDS AS SHOWN BELOW.

B. STRAPS W7 THRU W26 DEFINE ADF QUADRANTAL ERROR. W27 THRU W30 SET ADF ANTENNA ROTATION. STRAP AS SHOWN INITIALLY. IF ADDITIONAL CORRECTION IS REQUIRED, SEE HONEYWELL PRIMUS II MANUAL FOR INSTRUCTIONS. UPDATE PARITY STRAPPING W3 & W4 AS REQUIRED.

C. UPON COMPLETING THE ABOVE STEPS COUNT THE NUMBER OF JUMPERS ON STRAP POSITONS 1,2,5 THRU 48.

IF THE TOTAL IS AN EVEN NUMBER:
CUT STRAP POSITON #3,
JUMPER STRAP POSITION #4

IF THE TOTAL IS AN ODD NUMBER:
CUT STRAP POSITON #4,
JUMPER STRAP POSITION #3

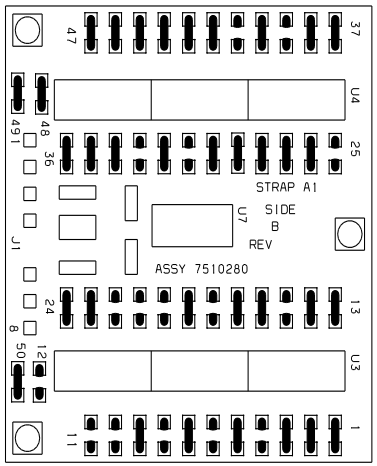
TABLE 2

CUT STRAP POSITION #
4
6
8
10
11
12
15
18
20
21
22
25
31
33
39
41
.
.

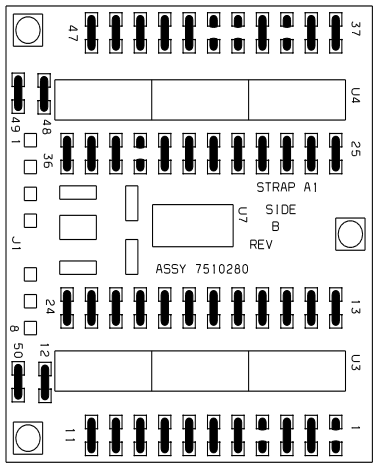
NAV 1

CUT STRAP POSITION #	
1	
3	6*
4	
6	
7	
10	
11	(E3)
12	
15	5*
18	
20	
21	
22	
25	
33	
39	
41	
42	

NAV 2 (STD)



NAV 1
(STD CONFIG SHOWN)



NAV 2
(STD CONFIG SHOWN)

(E4)

DATE	12/12/96	CESSNA AIRCRAFT COMPANY AIRCRAFT DIVISION P.O. BOX 7704 WICHITA, KANSAS 67277
DRAWN	ROBERT SCOTT	
GROUP		CITATION EXCEL HONEYWELL PRIMUS II SYSTEMS PROGRAMMING
CHECK		
SECT	SEE SIG. SHEET	
PROJ		
M.E.		
OTHER		SIZE F FSCM NO. 71379 DWG NO. ********
FABRICATE PER CES2606		SCALE: NONE SHEET 2 OF 2
PROCESS PER XXXXXXXXXXXX		
WIRE TERMINATION PER CES27.16		

CES FORM 1872

DWG NO. ******** REV E

EC34154.34155