COMMUNICATION

(STRAPPING PROCEDURE)

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 DOWN	0 DOWN	0 DOWN	0 DOWN
0 = 0 DOWN	1 = 0 DOWN	2 = 1 UP	3 = 1 UP
0 DOWN	1 UP	0 DOWN	1 UP
1 UP	1 UP	1 UP	1 UP
4 = 0 DOWN	5 = 0 DOWN	6 = 1 UP	7 = 1 UP
0 DOWN	1 UP	0 DOWN	1 UP

C. PLACE DIP SWITCHES IN THE UP OR DOWN POSITION WHERE:
BINARY 1 = UP (OPEN)
BINARY 0 = DOWN (CLOSED)

D. PERFORM SAME OPERATION ON COM 1 & COM 2

E. PLACE DIP SWITCHES IN THE UP POSITION AS SHOWN IN TABLE 1.

F. UPON COMPLETING THE ABOVE STEPS COUNT THE NUMBER OF SWITCHES IN THE DOWN POSITION ON SWITCHES 1,2,5 THRU 50.

IF THE TOTAL IS AN EVEN NUMBER:
PLACE SWITCH #3 IN THE UP POSITION,
PLACE SWITCH #4 IN THE DOWN POSITION

IF THE TOTAL IS AN ODD NUMBER:
PLACE SWITCH #3 IN THE DOWN POSITION,
PLACE SWITCH #4 IN THE UP POSITION

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

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

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

NOTES:

1. THIS DRAWING IS FILED IN CCD.
2. THIS PROGRAMMING DRAWING IS REQUIRED FOR HONEYWELL NAV AND COMM RADIOS INSTALLED ON CITATION XLS (SERIALS 5501 & ON). THE COMM UNITS ARE CONFIGURED FOR TCAS AND MODE S DIVERSITY TRANSPONDERS STANDARD.
3. REFER TO NAVIGATION STRAPPING PROCEDURE B TO DETERMINE IF SWITCH #3 OR #4 IS UP OR DOWN.
4. PLACE SWITCHES IN THE UP POSISTION ONLY IF ADF #2 OPT. IS INSTALLED. UPDATE PARITY STRAPPING #3 & #4 AS REQUIRED.

REVISIONS

SHEET	REV	DESCRIPTION	DATE	APPROVED
GEN	A	BY REVISION: 1) NOTE SECTION REWRITTEN TO REMOVE NON-APPLICABLE INFORMATION. EFF: EC 56962	09/28/05 MAM	

TABLE 1

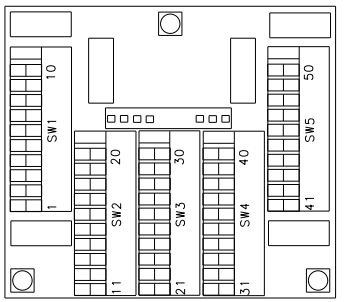
PLACE SWITCHES IN THE UP POSITION COMM 1	PLACE SWITCHES IN THE UP POSITION COMM 2
8	1
33	8
38	33
43	38
44	42
47	43
	44
	47

EXAMPLE

OCTAL MODE-S CODE:
70612534

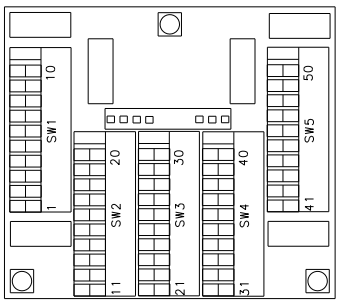
OCTAL	BINARY	SWITCH POSITION #
7	1 UP	32
	1 UP	31
	1 UP	30
0	0 DOWN	29
	0 DOWN	28
	0 DOWN	27
6	1 UP	26
	1 UP	25
	0 DOWN	24
1	0 DOWN	23
	0 DOWN	22
	1 UP	21
2	0 DOWN	20
	1 UP	19
	0 DOWN	18
5	1 UP	17
	0 DOWN	16
	1 UP	15
3	0 DOWN	14
	1 UP	13
	1 UP	12
4	1 UP	11
	0 DOWN	10
	0 DOWN	9

1 = UP, 0 = DOWN
NUMBER OF DOWN SWITCHES = 30 (AN EVEN NUMBER)
THEREFORE PLACE SWITCH #3 IN THE UP POSITION
AND PLACE SWITCH #4 IN THE DOWN POSITION.

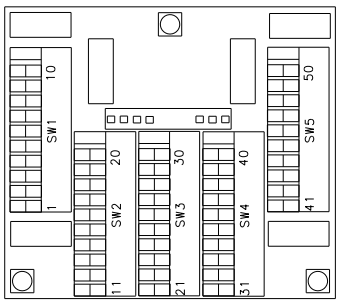


COM 1

HONEYWELL RADIO PROGRAMMING CONFIGURATION



COM 1



COM 2

DATE	12/01/2003
DRAWN	RUSSELL SHARP
GROUP	
CHECK	
SECT	
PROJ	
M.E.	
OTHER	
FABRICATE PER	CSAM005
PROCESS PER	XXXXXXXXXXXX
WIRE TERMINATION PER	CES2716

SEE SIG. SHEET

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

CITATION XLS
HONEYWELL PRIMUS II
SYSTEMS PROGRAMMING

SIZE F | FSCM NO. 71379 | DWG NO. 8603008

SCALE: NONE | PARENT: 8603005 | SHEET 1 OF 2

CES FORM 1872

DWG NO. 8603008 REV A

EC49738
W/O: XL 3186

NAVIGATION

(STRAPPING PROCEDURE)

A. DIP SWITCHES #7 THRU #26 DEFINE ADF QUADRANTAL ERROR. SWITCHES #27 THRU #30 SET ADF ANTENNA ROTATION. SET SWITCHES AS SHOWN IN TABLE 2 INITIALLY. IF ADDITIONAL CORRECTION IS REQUIRED SEE HONEYWELL PRIMUS II MANUAL FOR INSTRUCTIONS.

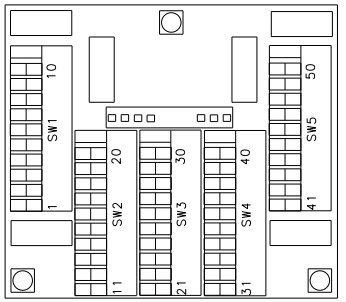
B. AFTER COMPLETING STEP A, COUNT THE NUMBER OF SWITCHES IN THE DOWN POSITION ON SWITCHES 1,2,5 THRU 50.

IF THE TOTAL IS AN EVEN NUMBER:
PLACE SWITCH #3 IN THE UP POSITION,
PLACE SWITCH #4 IN THE DOWN POSITION

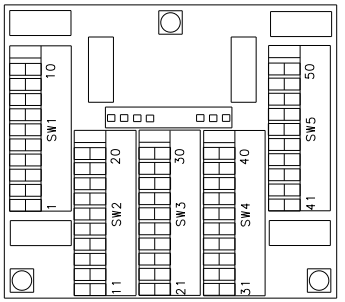
IF THE TOTAL IS AN ODD NUMBER:
PLACE SWITCH #3 IN THE DOWN POSITION,
PLACE SWITCH #4 IN THE UP POSITION

TABLE 2

PLACE SWITCHES IN THE UP POSITION (NAV 1)	PLACE SWITCHES IN THE UP POSITION (NAV 2)
4	1
6	3
8	4
10	6
11	7
12	10
15	11
18	12
20	15
21	18
22	20
25	21
31	22
33	25
39	33
41	39
	41
	42



NAV 1



NAV 2

REVISIONS

SHEET	REV	DESCRIPTION	DATE	APPROVED

DATE	12/01/2003
DRAWN	RUSSELL SHARP
GROUP	
CHECK	
SECT	
PROJ	
M.E.	
OTHER	SEE SIG. SHEET
FABRICATE PER	CSAM005
PROCESS PER	XXXXXXXXXXXX
WIRE TERMINATION PER	CES2716

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CITATION XLS
HONEYWELL PRIMUS II
SYSTEMS PROGRAMMING

SIZE F | FSCM NO. 71379 | DWG NO. 8603008

SCALE NONE | SHEET 2 OF 2

CES FORM 1872

DWG NO. 8603008 REV A