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APPLICABLE TO: 415SE DME (098739-0001)

SUBJECT: Updates to DME 415SE Instruction Book 704731-0300

SECTIONS AFFECTED: Section 6, 9, and 11

Make the following corrections to your DME 415SE instruction book using permanent ink.

Section 6

On page 6-13, paragraph 6.4.7, add the following after subparagraph e.

f. Peak Pulse Level. Using the same signal generator setup as stated above and with the scope probe connected to AN 23, the pulse amplitude of the interrogation signal should measure between 1.3 V p-p and 5.0 V p-p.

Section 9

Figure 9-16, pg. 9-24

Corrections for transmitter jumper settings

Links settings on TX module

Following "M6 jumper" – delete OFF/ON TX 100W and ON=TKW 1KW add: may be on or off

Following "M8 jumper:"- delete OFF=TX 100W and ON=TKW 1 KW add: always on

Paragraph 9.6.7, pg. 9-25

Clarification for using dual ident slave trigger setup:

Following the sentence repeated below:

Signal LAF1SEL (TB2-11) can be used to select between two different ident codes (stored in the DME monitor) When nothing is connected to LAF1SEL, code 1 will be used.

Add the following:

When 5 Vdc is connected to (TB2-11) through a 3.3 K ohm ¼ watt resistor and the system power is reset or the transmitter changes states from off to on, code 2 will be used. State changes at LAF1SEL are only read at system power up or when transmitter changes state from off to on.

Figure 9-27, pg. 9-38

In this figure, the DME 415SE interface CCA block shows the aux output signal numbers on the bottom row of TB5. Two of these numbers should be corrected.

TB-5 – The number on the far left: change from 31 to 7

TB-5 – The number on the far right: change from 7 to 31

Corrections to RCSU programming for aural alarm to work correctly

Figure 9-30, pg. 9-40

For the line:

1 State High 1 31

Change to:

1 State High 1 7

For the line:

8 State High 1 7

Change to:

8 State High 1 31

Figure 9-37, pg. 9-44

Two changes to the User Defined Equation Setup for On LED

Line one under column 00: change from 1 to X (line 1 is immediately below 00)

Line one under column 07: change from X to 0

Figure 9-38, pg. 9-44

Two changes to the User Defined Equation Setup for Off LED

Line one under column 00: change from 0 to X (line 1 is immediately below 00)

Line one under column 07: change from X to 1

Paragraph 9.10.2.2.2 F, pg. 9-46

Two changes to the User Defined Equation Setup for Remote Disable (On Battery is not changed)

Line one under column 00: change from X to 0 (line 1 is immediately below 00)

Line one under column 07: change from 0 to X

Section 11

Changes to interface CCA 120566-0001 schematic,

Pin outs for J

Pins 7,9,11,13 delete signal names (P+5T, P+5T, P+15T, and P-15T) (There are no internal connections)

Pin outs for U

Add signal name "COM4" next to Pin 27 (was missing from drawing)

Pin outs for C

Add signal name "SP3" next to Pin 13 (was missing from drawing)

Pin outputs for A

Delete signal name HCMDKC21 next to Pin 15. Add signal name HCMDKC21 next to Pin 17 (correction)

Add signal name PGND next to Pin 2, 10, 14, and 19 (was missing from drawing)

Pin outs for TB3

Add signal name SP3 next to Pin 1 (was missing from drawing)

Add signal name PGND next to Pin 7 (was missing from drawing)