

Additional changes to MIL-C-71042 – 2/18/04

Change voltage limits in the following steps:

3.6.3 Raise target mode. ...

From:

Pin N	+1.5 Vdc Max
Pin M	+0.75 Vdc Max

To:

Pin N	+1.8 Vdc Max
Pin M	+1.0 Vdc Max

3.6.4 Lower target mode. ...

From:

Pin N	+1.5 Vdc Max
Pin R	+1.5 Vdc Max

To:

Pin N	+1.8 Vdc Max
Pin R	+1.8 Vdc Max

3.6.5 Lifting mechanism failure. ...

From:

Pin N	+1.5 Vdc Max
Pin M	+0.75 Vdc Max

To:

Pin N	+1.8 Vdc Max
Pin M	+1.0 Vdc Max

3.6.6 Bad hit sensor test. ...

From:

Pin N	+1.5 Vdc +/- .1
Pin R	+1.5 Vdc +/- .1

To:

Pin N	+1.8 Vdc Max
Pin R	+1.8 Vdc Max

Change corresponding procedure steps as follows:

4.7.3.1.2b.

From: Measure the voltage at pin N. The voltage shall be + 1.5 Vdc maximum.

To: Measure the voltage at pin N. The voltage shall be + 1.8 Vdc maximum.

4.7.3.1.2c.

From: Measure the voltage at pin M. The voltage shall be + 0.75 Vdc maximum.

To: Measure the voltage at pin M. The voltage shall be + 1.0 Vdc maximum.

4.7.3.1.3c

From: Measure the voltage at pin N. The voltage shall be + 1.5 Vdc maximum.

To: Measure the voltage at pin N. The voltage shall be + 1.8 Vdc maximum.

4.7.3.1.3d.

From: Measure the voltage at pin R. The voltage shall be + 1.5 Vdc maximum.

To: Measure the voltage at pin R. The voltage shall be + 1.8 Vdc maximum.

4.7.3.1.4c.

From: Measure the voltage at pin N. The voltage shall be + 1.5 Vdc maximum.

To: Measure the voltage at pin N. The voltage shall be + 1.8 Vdc maximum.

4.7.3.1.4d.

From: Measure the voltage at pin M. The voltage shall be 0.75 Vdc maximum.

To: Measure the voltage at pin M. The voltage shall be 1.0 Vdc maximum.

4.7.3.1.5c.

From: Measure the voltage at pin N. The voltage shall be + 1.5 +/- 0.1 Vdc.

To: Measure the voltage at pin N. The voltage shall be + 1.8 Vdc maximum.

4.7.3.1.5d.

From: Measure the voltage at pin R. The voltage shall be + 1.5 +/- 0.1 Vdc.

To: Measure the voltage at pin R. The voltage shall be + 1.8 Vdc maximum.

Changes to MIL-C-71044 and MIL-E-70694 (THM/TG ECU)

MIL-C-71044, Military Specification, Circuit Card, Battery Test: 11784531

From: 3.7.4 Battery indication unsatisfactory. When the voltage supply is reduced to 10.5 Vdc - 0.1 Vdc, the LED shall commence to flash.

To: 3.7.4 Battery indication unsatisfactory. When the voltage supply is reduced to 10.5 Vdc -0.1 Vdc, the LED shall commence to flash. At -25 degrees F the allowable variation shall increase to 10.5 Vdc -0.5 Vdc.

From: 4.7.5.1.3.b. Observe that the LED (CR7) shall begin to flash when the reading on the supply voltage is 10.5 Vdc -0.1 Vdc.

To: 4.7.5.1.3.b. Observe that the LED (CR7) shall begin to flash when the reading on the supply voltage is 10.5 Vdc -0.1 Vdc. At -25 degrees F the allowable voltage range shall increase to 10.5 Vdc -0.5 Vdc.

From: 4.7.5.1.4.a Reduce the supply voltage to 10.5 VDC -0.1 VDC.

To: 4.7.5.1.4.a Reduce the supply voltage until the LED (CR7) begins to flash.

MIL-C-70694A, Military Specification, Electronic Control Unit: 11784504

From: 3.5.4 Battery check indicator. The voltage indicator light (LED) will indicate sufficient power is available during raising and lowering of the target to operate the lifting mechanism. The light will remain constant when the voltage exceeds 10.5 volts and will flash when voltage is equal to 10.5 -0.1 volts.

To: 3.5.4 Battery check indicator. The voltage indicator light (LED) will indicate sufficient power is available during raising and lowering of the target to operate the lifting mechanism. The light will remain constant when the voltage exceeds 10.5 volts and will flash when voltage is less than 10.4 volts (10.0 volts at -25 degrees F).

From: 4.7.4.4 Battery check indicator. Raise or lower the target using the front panel test switch. The front panel LED light shall be on continuously for as long as the motor relay is engaged and the ECU supply voltage greater than 10.5 volts. Raise or lower the target using the front panel test switch. During the next 5 seconds lower the supply voltage from the nominal + 12v to 8v and notice when the front panel led battery light starts to flash. The supply voltage battery test light shall start to flash when equal to 10.5 -0.1 volts. If it does not meet the requirements of 3.5.4, it shall be rejected.

To: 4.7.4.4 Battery check indicator. Raise or lower the target using the front panel test switch. The front panel LED light shall be on continuously for as long as the motor relay is engaged and the ECU supply voltage is greater than 10.5 volts. Raise or lower the

target using the front panel test switch. During the next 5 seconds lower the supply voltage from the nominal + 12v to 8v and notice when the front panel LED battery light starts to flash. The battery test light shall start to flash when the supply voltage is equal to 10.5 -0.1 volts. At -25 degrees F the allowable voltage range shall increase to 10.5 - 0.5 volts. If it does not meet the requirements of 3.5.4, it shall be rejected.