

GRUMMAN AIRCRAFT ENGINEERING CORPORATION
BETHPAGE, L. I., NEW YORK

SECTION II

Translation Hand Controller

Sig. Ref. Figure

B1	II	+X Translation Command
B2	II	-X Translation Command
B3	II	+Y Translation Command
B4	II	-Y Translation Command
B5	II	+Z Translation Command
B6	II	-Z Translation Command

For B1 - B6:

Signal levels, source and load impedances and noise limits are specified with respect to the IGC Return (interface connector P/J 222 Pin G).

IGC isolation resistors are included in the source impedance.

Noise limits:

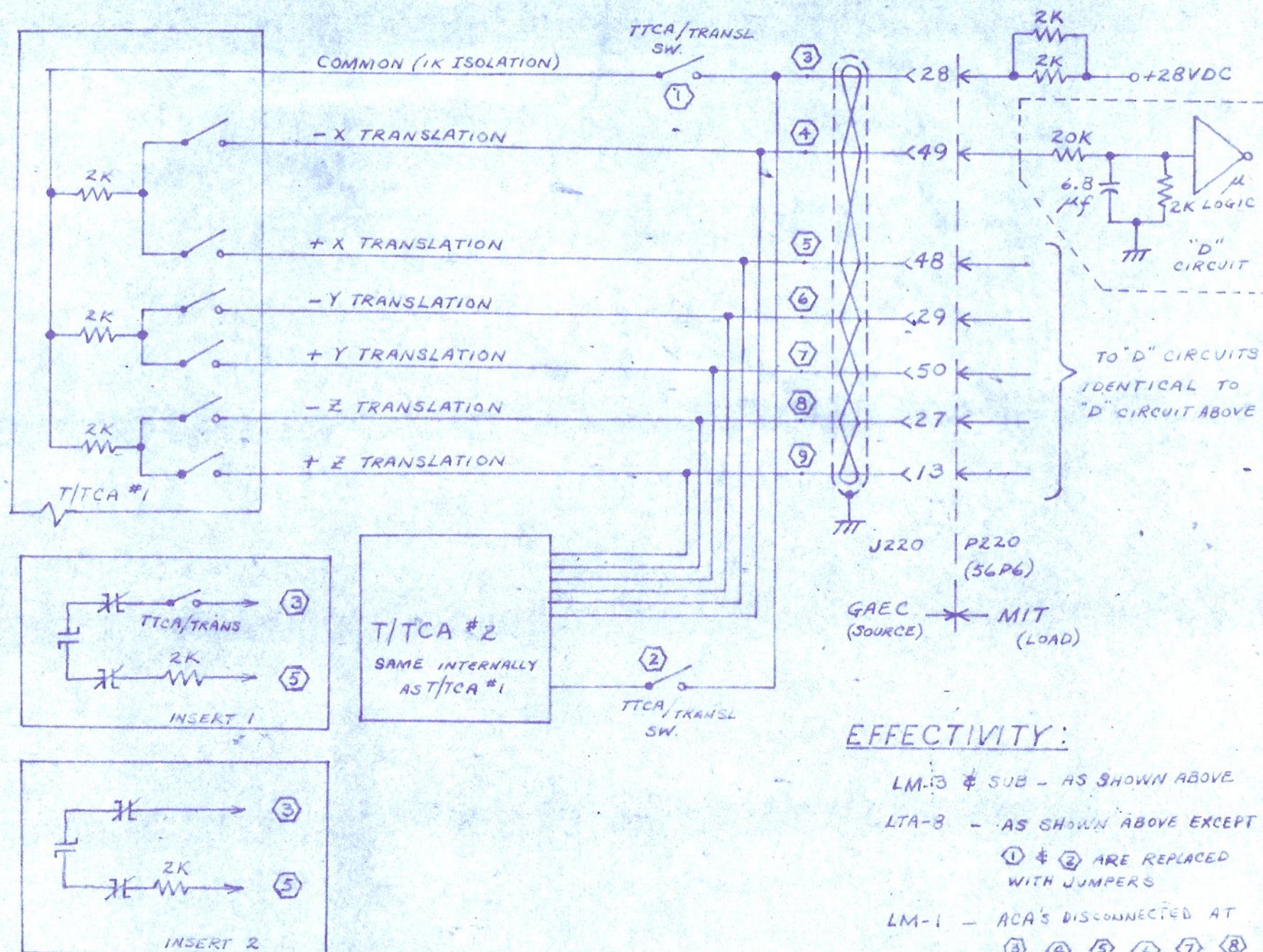
Switch Closed ("1") - Maximum noise amplitude is -50V if noise pulse does not exceed 0.5 millisecond width at maximum repetition rate of 50 pps.

Switch Open ("0") - Maximum noise amplitude is +50V if noise pulse does not exceed 1 millisecond width at maximum repetition rate of 50 pps.

Signals B1 - B6 will not be present in LM-1 or LM-2 due to the deletion of the T/TMA. The interface will be left open on the GAFC side.

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TRANSLATION COMMANDS

- EFFECTIVITY:**
- LM-3 # SUB - AS SHOWN ABOVE
 - LTA-8 - AS SHOWN ABOVE EXCEPT
 - ① & ② ARE REPLACED WITH JUMPERS
 - LM-1 - ACA'S DISCONNECTED AT
 - ③, ④, ⑤, ⑥, ⑦, ⑧
 - & ⑨. INSERT 2 CONNECTED AS SHOWN.
 - LM-2 - SAME AS LM-1 EXCEPT INSERT 1 USED INSTEAD OF INSERT 2.

INTERFACE CONTROL DOCUMENT	ID	SIGNAL	SIGNAL	LEVEL	Z SOURCE	Z LOAD	FUNCTIONAL DESCRIPTION			
			LOGIC	DC VOLTS	OHMS + 10%	OHMS - 10%				
SHEET 25 OF 14 EIS 370-10004	ICO NO. TDRR 38154	B1	+X Translation Command	28±11	0±2	3K	OPEN	22K	22K	The presence of a logic "1" at the interface is a request to the PGNCS to cause vehicle translation along the vehicle +X axis.
		B2	-X Translation Command	28±11	0±2	3K	OPEN	22K	22K	The presence of a logic "1" at the interface is a request to the PGNCS to cause vehicle translation along the vehicle -X axis.
		B3	+Y Translation Command	28±11	0±2	3K	OPEN	22K	22K	The presence of a logic "1" at the interface is a request to the PGNCS to cause vehicle translation along the vehicle +Y axis.
		B4	-Y Translation Command	28±11	0±2	3K	OPEN	22K	22K	The presence of a logic "1" at the interface is a request to the PGNCS to cause vehicle translation along the vehicle -Y axis.
		B5	+Z Translation Command	28±11	0±2	3K	OPEN	22K	22K	The presence of a logic "1" at the interface is a request to the PGNCS to cause vehicle translation along the vehicle +Z axis.
		B6	-Z Translation Command	28±11	0±2	3K	OPEN	22K	22K	The presence of a logic "1" at the interface is a request to the PGNCS to cause vehicle translation along the vehicle -Z axis.
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