



**Product Manager Firefinder**  
**U.S. Army Communications-Electronics Command**  
**Fort Monmouth, New Jersey 07703-5000**

# Maintenance Bulletin

AN/TPQ-36(Y)8	FILE NO. 155	REVISION: A
	DATE: 03/31/00	CATEGORY:
SUBJECT: Shelter/Trailer FIT	SYSTEMS AFFECTED: AN/TPQ-36 Radar System	

1. Reference: TM 11-5840-380-23-1, 11-5840-380-23-2, 11-5840-354-30-3
2. Summary of the problem: Currently, the technical manuals do not provide enough information for the radar crew to troubleshoot the shelter in the event of a fault. The following is provided:

Shelter FIT 220. If the fault, 220-001, is immediate, follow instructions outlined in the manual. If the test goes from 10% complete to 20% complete and so forth, the problem is within the data cable. The signal is attenuated to the point that analog to digital conversion can not be accomplished. To accomplish this, inspect, clean and reseat data cable. If this does not correct the problem, reverse the data cable from the shelter to the ATG. If that does not correct the problem, replace the data cable. If the problem still persists, measure the COHO at the processor. Replace/repair cabling as necessary.

Trailer FIT 607. Y7 shelters required test targets at 64 +/- 1dB. Y8 shelters require test targets above 62dB. Any signal higher will be attenuated within the radar processor to ensure A/D saturation does not occur.

Trailer FIT 609. The troubleshooting tables outlined in TM 5840-380-23-2 do not align with the test 609. Troubleshooting tables are from the Y7. Until the software fix is in place, replace the B Oscillator if one frequency is incorrect. Replace the A Oscillator if more than one frequency is incorrect.

APPROVED BY LOGISTICS MANAGER: Walter Tyson, PMFF DATE: 3/31/00