

KENWOOD

ASB-1033

Service Bulletin

Amateur Radio Division

Subject: TM-742/942A Microprocessor Change **Date:** November 29, 1993

Symptom:

Reports of problems with microprocessor lock-up when using S-meter squelch, problems with storage/recall of PL tone frequencies of 203.5 Hz. and/or 114.8 Hz., or problems with a lack of transmit on the UHF band modules during Remote operation can be corrected using the changes noted in this bulletin. Units that exhibit any of these symptoms with serial numbers between 412XXXX and 507XXXX need only change IC1 on X53-3460-21 B/2. Units that exhibit any of these symptoms with serial numbers of 412XXXX and below must also change IC1 on X54-3130-11. Units with serial numbers of 507XXXX and greater have had these changes incorporated in production.

Parts Required:

Qty	Description	Old Part No.	New Part No.	Circuit Description
1	Microprocessor	HD6433388A07F		
		or		
		HD6433388A14F	HD6433388A22F	IC1
1	Microprocessor	HD404719A26H	HD404719A32H	IC1

Caution: *This modification requires advanced surface mount soldering equipment that is rated for CMOS circuits. It also requires familiarity with advanced surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Attempting to remove and replace either IC without the proper equipment and techniques can easily damage the circuit boards and void your warranty. Seek qualified assistance from your closest Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).*

Time required for this modification is 90 minutes or less.

Service code A:98 B:X53-346 B/2 C:IC1 D:91