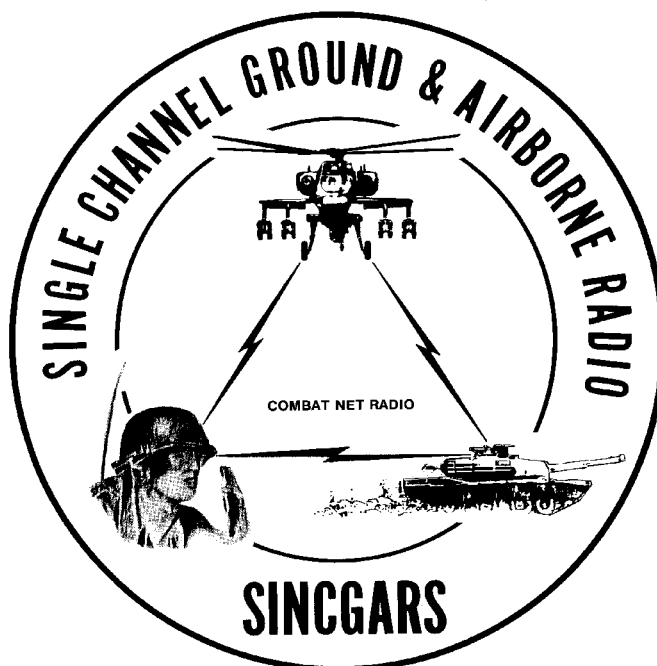


TECHNICAL BULLETIN



**INSTALLATION INSTRUCTIONS FOR
INSTALLATION KIT,
ELECTRONIC EQUIPMENT MK-2388/VRC
(NSN 5895-01-309-4604) (EIC: N/A)
TO PERMIT INSTALLATION OF RADIO SET
AN/VRC-92 SERIES
IN
OPERATIONS CONTROL GROUP OK-398/TPQ
USED WITH
AN/TPQ-36 AND AN/TPQ-37 RADAR SETS**

Approved for public release; distribution is unlimited.

Technical Bulletin

No. 11-5820-890-20-65

HEADQUARTERS,
DEPARTMENT OF THE ARMY
Washington, D.C., 1 October 2002

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REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Communications-Electronics Command Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, NJ 07703-5006. The Fax number is 732-532-1413, DSN 992-1413. You may also e-mail your recommendation to: AMSEL-LC-LEO-PUBS-CHG@cecom3.monmouth.army.mil

In either case, a reply will be furnished direct to you.

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0. GENERAL INFORMATION.

0.1 SCOPE.

This technical bulletin (TB) provides installation instructions for Installation Kit, Electronic Equipment MK-2388/VRC, commonly referred to as the Mounting Kit (MK). This MK shall be installed into the following type of shelter(s):

- Operations Control Group OK-398/TPQ-36 used with AN/TPQ—36 and AN/TPQ-37 Radar Sets

The MK is used for installation of radio set components at field locations. The information contained in this technical bulletin is the official authorization to perform the installation at the unit maintenance level.

NOTE

This TB is not an authorization for requisition or turn-in of shelters. This TB does not establish quantity or types of shelters assigned to units.

0.2 CONSOLIDATED INDEX OF ARMY PUBLICATIONS AND BLANK FORMS.

Refer to the latest issue of DA Pam 25-30 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

0.3 MAINTENANCE FORMS, RECORDS, AND REPORTS.

0.3.1 Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, as contained in Maintenance Management Update. Air Force personnel will use AFR 66-1 for maintenance reporting and TO-00-35D54 for unsatisfactory equipment reporting. Navy personnel will report maintenance performed utilizing the Maintenance Data Collection Subsystem (MDCS) IAW OPNAVINST 4790.2, Vol 3 and unsatisfactory material/conditions (UR) IAW OPNAVINST 4790.2, Vol 2, chapter 17. Marine Corps maintains forms and procedures as prescribed by TM 4700-15/1.

0.3.2 Reporting of Item and Packaging Discrepancies. Fill out and forward SF 364 (Supply Discrepancy Report (SDR)) as prescribed in AR 735-11-2/DLAR 4140.55/SECNAVINST 4355.18/AFR 400-54/MCO 4430.3J.

0.3.3 Transportation Discrepancy Report (TDR) (SF 361). Fill out and forward Transportation Discrepancy Report (TDR) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33C/AFR 75-18/MCO P4610.19D/DLAR 4500.15.

0.4 DESTRUCTION OF ARMY ELECTRONICS MATERIEL.

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

0.5 REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).

0.5.1 Army. If your equipment needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Product Quality Deficiency Report). Mail it to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, New Jersey 07703-5006. We'll send you a reply.

0.5.2 Air Force. Air Force personnel are encouraged to submit EIR's in accordance with AFR 900-4.

0.5.3 Navy. Navy personnel are encouraged to submit EIR's through their local Beneficial Suggestion Program.

0.5.4 Marine Corps. QDR shall be reported on SF 368 in accordance with MCO P4855.10, Product Quality Deficiency Report Manual. Submit to Commanding General, Marine Corps Logistics Base (Code 850), Albany, Georgia 31704-5000.

1. PURPOSE OF INSTALLATION.

Installation Kit, Electronic Equipment MK-2388/VRC, commonly referred to as the Mounting Kit (MK), contains the items needed to install a SINCGARS AN/VRC-92 series radio set in Operations Control Group OK-398/TPQ (shelter) used with AN/TPQ-36 and AN/TPQ-37 Radar Sets.

2. END ITEM OR SYSTEM TO BE MODIFIED.

See Section 1.

3. APPLICATION TIMES.

3.1 Time for Completion of Installation. Using two people, a total of 3.5 work-hours is required. Typical vehicle downtime is 4.0 hours.

3.2 Time for Installation of One Assembly or Component. Table 3-1 lists the time required to install one component. All times have been rounded off to the nearest half hour. The sum of these items will not reflect the typical shelter downtime.

Table 3-1. Installation Times		
ITEM	SECTION	TIME
Antenna AS-3900/VRC	5.1	0.5
Mounting Base, Electrical Equipment MT-6352/VRC	5.2	1.5
Cables	5.3	1.0

4. PREPARATION FOR INSTALLATION.

4.1 Preparation of Work Area. Ensure that the site has adequate lighting and a power source.

4.2 Preparation of Shelter. Inspect the shelter for damage that could affect installation. Have any such damage repaired before installing MK.

4.2.1 Items to be Removed. Remove existing AN/VRC-12 radio family installation kit and harness. See TM 11-5820-401-20-1 (for radios without intercom systems) or TM 11-5820-401-20-2 (for radios with intercom systems).

4.2.2 Items to be Retained for Reuse. None.

4.3 Preparation of Installation Kit. To prepare MK, unpack, inspect and check inventory.

4.3.1 Precautions During Handling. Observe these precautions to prevent equipment damage.

- Keep dust cover in place on connectors.
- Do not disassemble or modify parts in MK unless authorized to do so.
- Keep mounting hardware covered and protected until needed.
- When exposed to moisture, rain or salt water, keep all parts dry to prevent corrosion.

4.3.2 Unpack and Inspect Equipment.

4.3.2.1 Inspect Packaging for Evidence of Damage. Report discrepancies as stated in section 0.3.3.

4.3.2.2 Unpack and Inventory MK. Refer to section 4.4. Report discrepancies as stated in section 0.3.2.

4.3.2.3 Examine Each Item for Damage. Report discrepancies as stated in section 0.3.2.