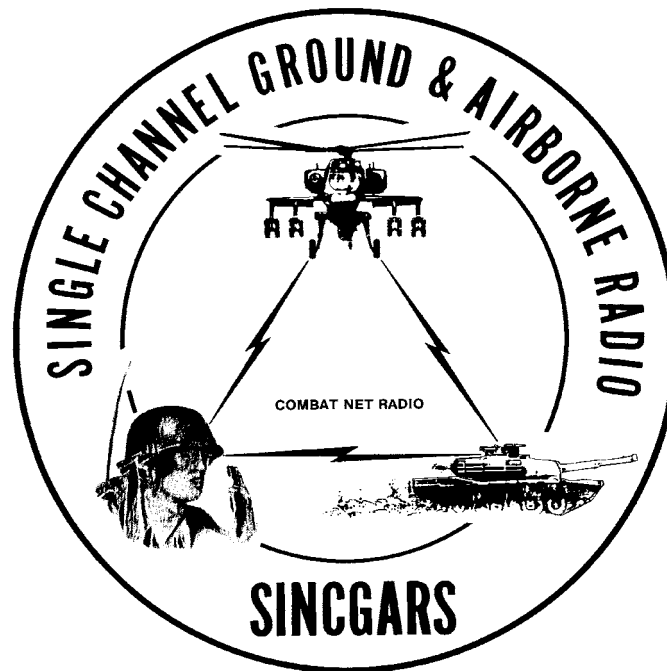


TECHNICAL BULLETIN



**INSTALLATION INSTRUCTIONS FOR
INSTALLATION KIT,
ELECTRONIC EQUIPMENT, MK-2839/VRC
(NSN 5895-01-421-4160) (EIC: N/A)
TO PERMIT INSTALLATION OF RADIO SET
AN/VRC-92 SERIES
IN A
PATRIOT BATTERY COMMAND POST, SHOP
VAN EQUIPMENT M109**

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

1 AUGUST 1999

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INSTALLATION KIT
ELECTRONIC EQUIPMENT MK-2839/VRC
(NSN 5895-01-421-4160) (EIC: N/A)
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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, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Communications-Electronics Command Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, NJ 07703-5000. 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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0.1 SCOPE.

This technical bulletin provides installation instructions for Installation Kit, Electronic Equipment MK-2839/VRC, commonly referred to as the Mounting Kit (MK). The MK shall be installed into the following type of vehicle(s):

- Patriot Battery Command Post, Shop Van Equipment M109.

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.

NOTES

- This technical bulletin is not an authorization for requisition or turn-in of vehicles.
- This technical bulletin does not establish quantity or types of vehicles assigned to using units.

This technical bulletin does not contain information on the maintenance or replacement of the MKs. This information is contained in the MAC of TM 11-5820-890-20-2, TM 11-5820-890-20-4 and RPSTL of TM 11-5820-890-20P.

0.2 GENERAL INFORMATION.

The MK becomes operable when all the radio set components are installed in the vehicle and correct power is supplied. Refer to TM 11-5820-890-20-1 or TM 11-5820-890-20-4 for installation, Operational (OP) Check instructions, and required maintenance procedures. Refer to TM 11-5820-890-20P for repair parts.

Included in the radio set AN/VRC-92 Series is:

- Radio Set AN/VRC-92 Series (for RT-1523(C)/U)

0.3 MAINTENANCE FORMS, RECORDS, AND REPORTS.

0.3.1 Reports of Maintenance and Unsatisfactory Equipment. See Section 4.2.2.3 for information.

0.3.2 Report of Packing and Handling Deficiencies. See Section 4.2.2.1 for information.

0.3.3 Discrepancy in Transportation Deficiency Report (TDR) (SF361). See Section 4.2.2.2 for information.

0.4 CONSOLIDATED INDEX OF ARMY PUBLICATIONS.

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

1. PURPOSE OF INSTALLATION.

The Installation Kit Electronic Equipment MK-2839/VRC (MK) contains the items needed to mount Radio Set AN/VRC-92 Series in a Patriot Battery Command Post, Shop Van Equipment M109. See Section 5.4 for instructions to install Mounting Base, MT-6353/VRC.

2. END ITEM OR SYSTEM TO BE MODIFIED.

Not applicable.

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. The following table 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 vehicle downtime.

ITEM	SECTION	TIME
Antenna AS-3900/VRC	5.1	1.0
Mounting Base, Electrical Equipment MT-6352/VRC	5.3	0.5
Cables	5.4	0.5

4. PREPARATION FOR INSTALLATION.

This section explains how to prepare the vehicle and MK for installation.

4.1 Preparation of Vehicle. To prepare the vehicle for installation, insure that the site includes adequate lighting and a power source when drilling is required. Inspect the vehicle for damage that could affect installation. Have any such damage repaired before installing MK.

4.1.1 Items to be Removed. Remove existing AN/VRC-12 radio family installation kit/harness. See TM 11-5820-401-20-2 for removing items used with intercom systems, or TM 11-5820-401-20-1 (used without intercom systems), and TM 9-2320-289-20.

4.1.2 Items to be Retained. Not applicable.

4.2 Preparation of MK. To prepare MK, unpack, inspect and check inventory.

4.2.1 Precautions During Handling. Observe these steps to prevent equipment damage.

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

4.2.2 Unpack and Inspect Equipment.

4.2.2.1 Inspect Packaging for Evidence of Damage. Any shipping damage should be reported on SF364 Report of Discrepancy (ROD) as prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73A/AFR 400-64/MCO 4430.3F.

4.2.2.2 Unpack and Inventory MK. If any item is missing, fill out and forward Transportation Deficiency Report (TDR) (SF361) as described in AR 55-38/NAVSUPINST 4610.33C/AFR 75-18/MCO P4610.19D/DLAR 4500.15.

4.2.2.3 Examine Each Item for Damage. If any item is damaged, fill out and forward SF364 Report of Discrepancy (ROD) as prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73A/AFR-400-64/MCO 4430.3F. All damages should be reported as prescribed in DA Pam 738-750, as contained in Maintenance Management Update.

4.3 MK, Distribution and Consumables.

4.3.1 Items Supplied in MK and/or Required for Installation. Use Table 4-1 and Figure 4-1 to identify and inventory MK parts supplied to install Radio Set AN/VRC-92 Series.

4.3.2 Distribution and Issue Instructions.

- a. US Forces: Do not requisition MK. They will be shipped automatically.
- b. US Army Depots: Requisition MK through supply channels.
- c. Multiservice: Instructions shall be included for multiservice modifications.
- d. MAP/MAS Countries: Instructions shall be provided for MAP/MAS countries.

Table 4-1. Parts List for Installation of Radio Set AN/VRC-92 Series

NSN	ITEM DESCRIPTION AND PART NUMBER	QUANTITY IN MK	SMR CODE	FIGURE, ITEM NO.
5985-01-297-2971	Antenna, Vehicular AS-3900/VRC (A3017899-1)	2	PAOOF A	4-1, 2
5305-00-847-1159	Screw, Cap, Hexagon (3/8-16 x 1-3/4 in) MS35307-365	8	PAOZZA	
5310-00-913-8881	Nut, Hexagon (3/8-16 in) MS51971-3	8	PAOZZA	4-1, 2
5310-00-061-1258	Washer, Lock, Internal/External-Toothed (3/8 in) MS45904-76	16	PAOZZA	
5310-00-889-2527	Washer, Lock, Internal/External-Toothed (5/16 in) MS45904-72	4	PAOZZA	4-1, 2
5306-00-225-9086	Bolt, Machine (5/16-24 x 5/8 in) MS90726-31 (Not Used)	2	PAOZZA	
5330-01-205-2864	Gasket (A3013655-1)	2	PAOZZA	4-1, 1
5975-01-188-8873	Mounting Base, Electrical Equipment MT-6352/VRC (A3013367-1)	1	PAOOF A	
5306-00-225-9089	Bolt, Machine (5/16-24 x 1 in) MS90726-34 (3 Not Used)	5	PAOZZA	4-1, 1
5310-00-889-2527	Washer Lock, Internal/External-Toothed (5/16 in) MS45904-72	10	PAOZZA	
5310-00-880-7746	Nut, Hexagon (5/16-24 in) MS51968-5	5	PAOZZA	4-1, 7
5995-01-225-1657	Cable Assembly, Special Purpose, Electrical, CX-13292/VRC (11 FT, 0 IN) (A3014038-8)	1	PAOZZA	
5995-01-219-7035	Cable Assembly, Radio Frequency, CG-3855/VRC (18 FT, 0 IN) (A3014031-8)	1	PAOZZA	4-1, 8
5995-01-225-1660	Cable Assembly, Radio Frequency, CG-3855/VRC (21 FT, 0 IN) (A3014031-17)	1	PAOZZA	4-1, 8
5995-01-300-9324	Cable Assembly, Power Electrical, CX-13303/VRC (4 FT, 6 IN) (A3014040-9)	1	PAOZZA	4-1, 9
5965-01-222-1420	Loudspeaker, Control-Unit, LS-671/VRC (A3014065-1)	2	PAOZZA	4-1, 6
4020-01-341-8795	Fiber Rope Assembly, Single Leg (A3167672-1)	1	PAOZZA	4-1, 5
	Plate, Mounting (A3014550-1)	2	XBOZZA	4-1, 4
5965-00-043-3463	Handset, H-250/U	2	PAOZZA	4-1, 3
5985-01-306-3828	Adapter, Antenna (A3018320-1)	2	PAOZZA	4-1, 10
5306-00-225-9093	Bolt, Machine (5/16-24 x 1 1/2 in) MS90726-38	9	PAOZZA	4-1, 10
5310-00-880-7746	Nut, Hexagon (5/16-24 in) MS51968-5	4	PAOZZA	
5310-00-081-4219	Washer, Flat (5/16 in) MS27183-12	9	PAOZZA	4-1, 10
5310-00-889-2527	Washer, Lock (5/16 in) IET MS45904-72	4	PAOZZA	
5975-00-111-3208	Strap, Tiedown, Electrical Components MS3367-5-9	10	PAOZZA	

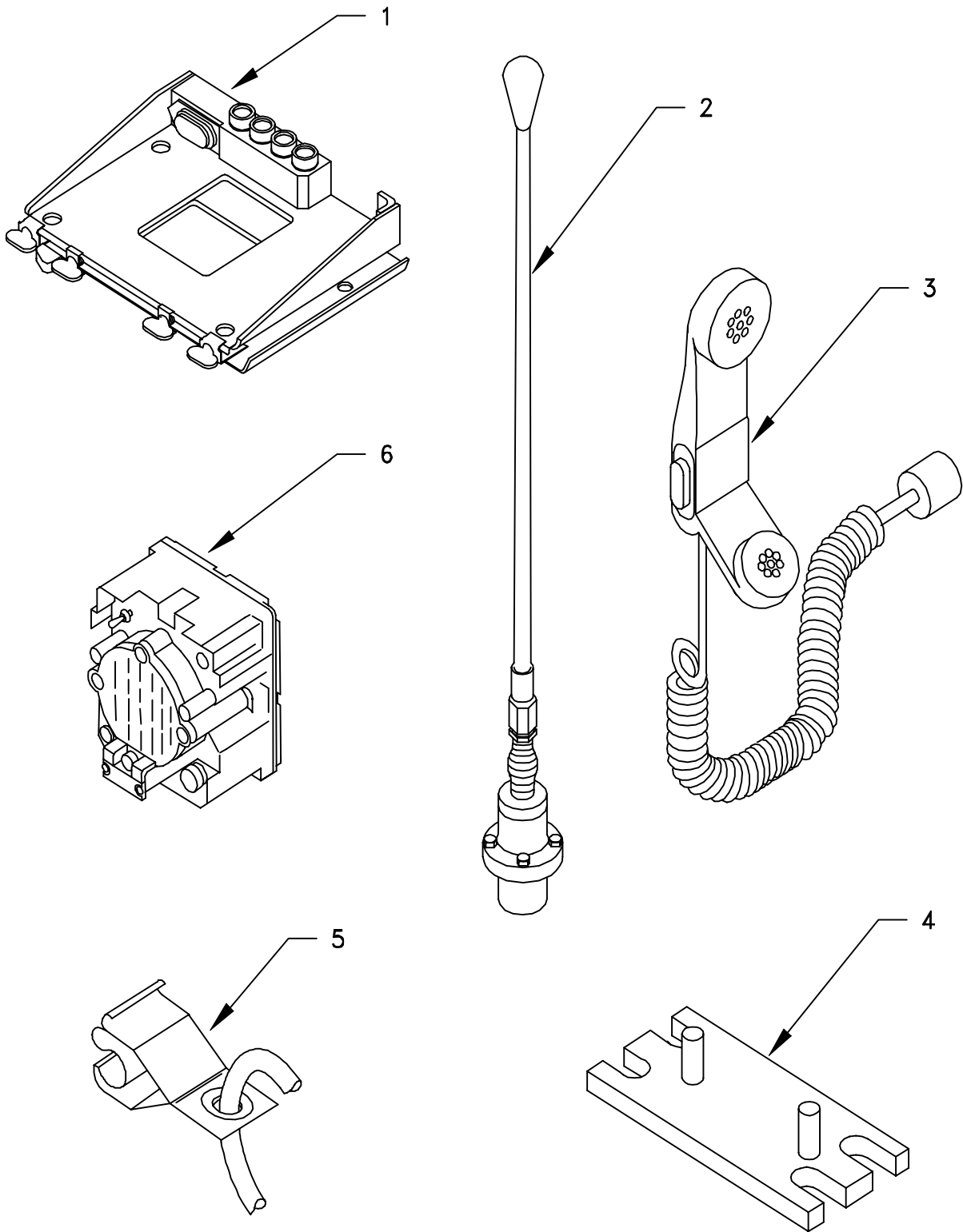


Figure 4-1(1). MK Illustrated Parts List

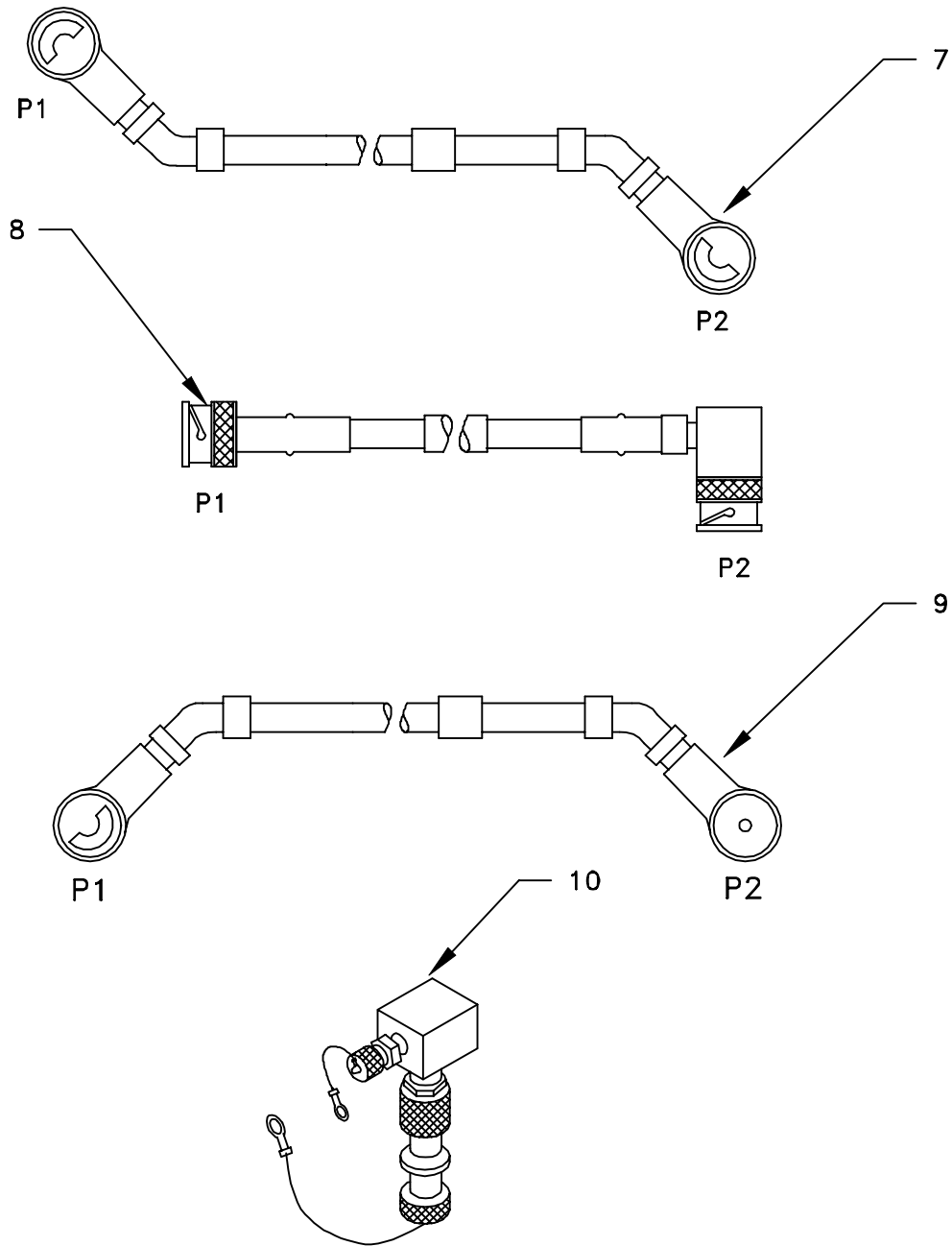


Figure 4-1(2). MK Illustrated Parts List

Table 4-2. Additional Items Required for Installation of Radio Set AN/VRC-92 Series

NSN	ITEM DESCRIPTION AND PART NUMBER	QUANTITY IN MK	SMR CODE	FIGURE, ITEM NO.
5975-01-235-1962	Mounting Base, Electrical Equipment MT-6353/VRC (A3014053-1)	1	PAOFFA	4-2, 1
5306-00-225-9089	Bolt, Machine (5/16-24 x 1 in) MS90726-34	4	PAOZZA	
5310-00-880-7746	Nut, Hexagon (5/16-24 in) MS51968-5	2	PAOZZA	
5310-00-889-2527	Washer, Lock, Internal/External Toothed (5/16 in) MS45904-72)	6	PAOZZA	
5310-00-081-4219	Washer, Flat (5/16 in) MS27183-12 (Not Used)	2	PAOZZA	
	Nut Strip (A3014064-1) (Not Used)	1	XBOZZA	
5975-00-111-3208	Strap, Tiedown, Electrical Components MS3367-5-9	4	PAOZZA	
5995-01-300-9324	Cable Assembly, Power, Electrical CX-13303/VRC (4 FT, 6 IN) (A3014040-9) (Not Used)	1	PAOZZA	4-2, 4
5995-01-222-4209	Cable Assembly, Special Purpose, Electrical CX-13291/VRC (3 FT, 0 IN) (A3014037-1)	1	PAOZZA	4-2, 2
5995-01-219-7025	Cable Assembly, Radio Frequency CG-3856/VRC (5 FT, 0 IN) (A3014032-3	1	PAOZZA	4-2, 3

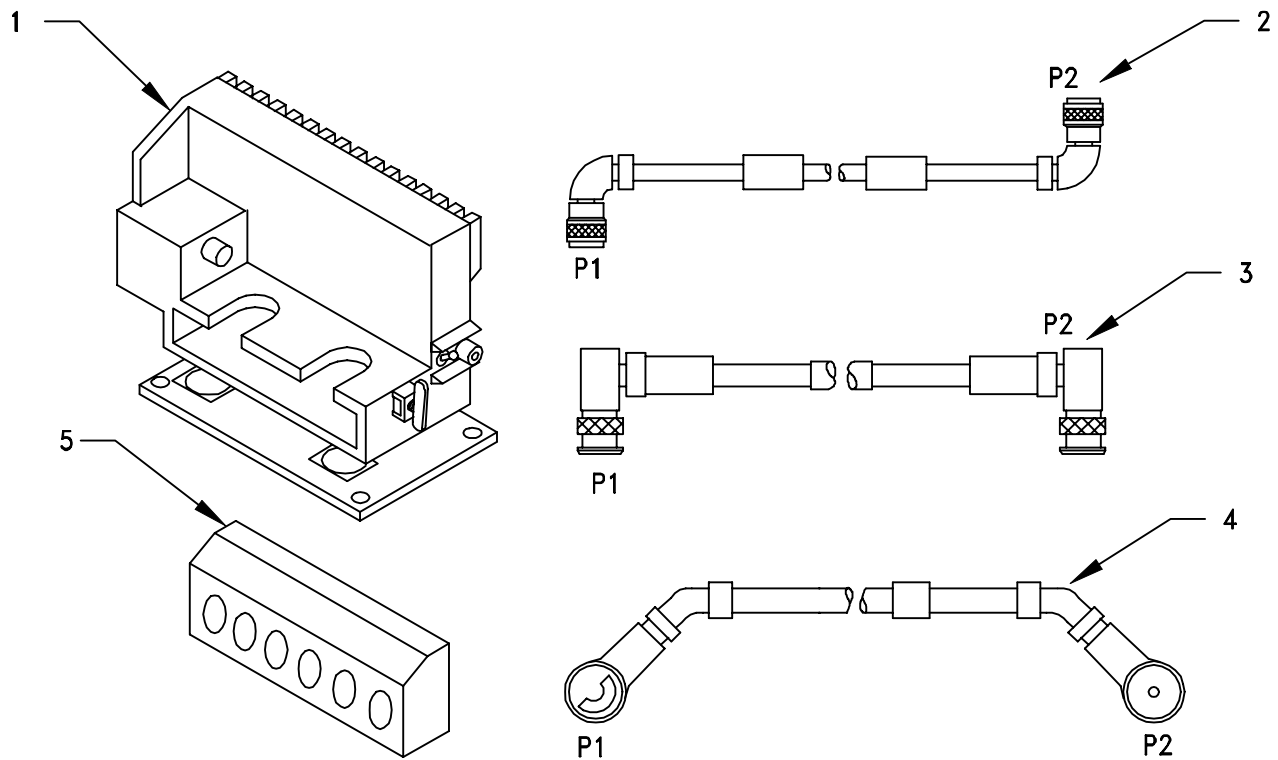


Figure 4-2. Illustrated Parts List for Table 4-2

4.3.3 Consumable Materials. The table below lists materials required for installation but not supplied with MK.

NSN	NOMENCLATURE
8040-00-117-8510	Adhesive-Sealant, Clear, RTV
6850-00-880-7616	Silicone Compound, MIL-S-8660
8030-00-292-1102	Conductive Anti-seize Compound

4.4 Tools and Test, Measurement, and Diagnostic Equipment (TMDE) Required. The following tools and TMDE are needed for installation.

NOMENCLATURE	NSN	QUANTITY
Radio Set*		1
Electric Grinder or equivalent		1
Pocket Knife, Electrician's	5110-00-240-5943	1
Screwdriver, No. 2 Point Phillips, 4 in	5120-00-234-8913	1
Screwdriver, 1/4 in Flatblade, 4 in	5120-00-222-8852	1
Pliers, Round Nose	5120-00-240-6172	1
Pliers, Diagonal Cutting	5110-00-965-0974	1
Wrench, Open/Box:		
1/2 in	5120-00-228-9506	1
9/16 in	5120-00-228-9607	1
5/16 in	5120-00-228-9503	1
3/4 in	5120-00-228-9510	1
Handle, Socket Wrench:	5120-00-240-5364	1
Socket:		
1/2 in	5120-00-237-0977	1
9/16 in	5120-00-227-6704	1
Electric Drill:	5130-00-889-8994	1
Drill Bit:		
11/32 in	5133-00-227-9644	1
No. 27	5133-00-189-9272	1
21/32 in	5133-00-266-9467	1

* Use radio issued with your vehicle if available.

5. INSTALLATION PROCEDURES.

This section describes where and how to install MK items in the vehicle. See Figure 5-1 for an overall view of where vehicular and MK equipment, as well as radio components, typically will be installed. When installing MK equipment, be sure to read and follow instructions and illustrations carefully. To install MT-6353/VRC mounting base, see section 5.5 for instructions.

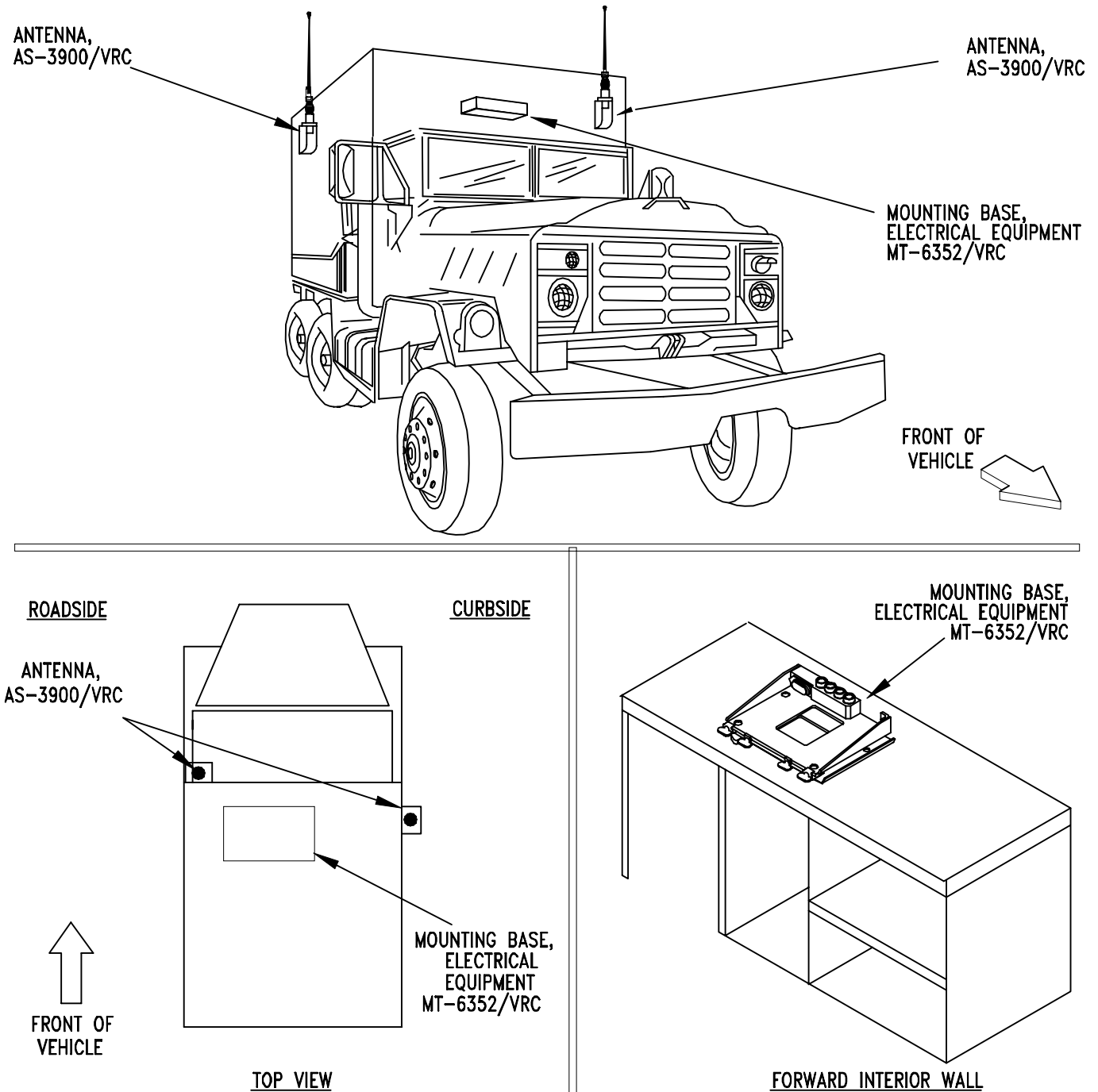


Figure 5-1(1). MK and Radio Installation: MK Equipment Locations

5. INSTALLATION PROCEDURES. Continued.

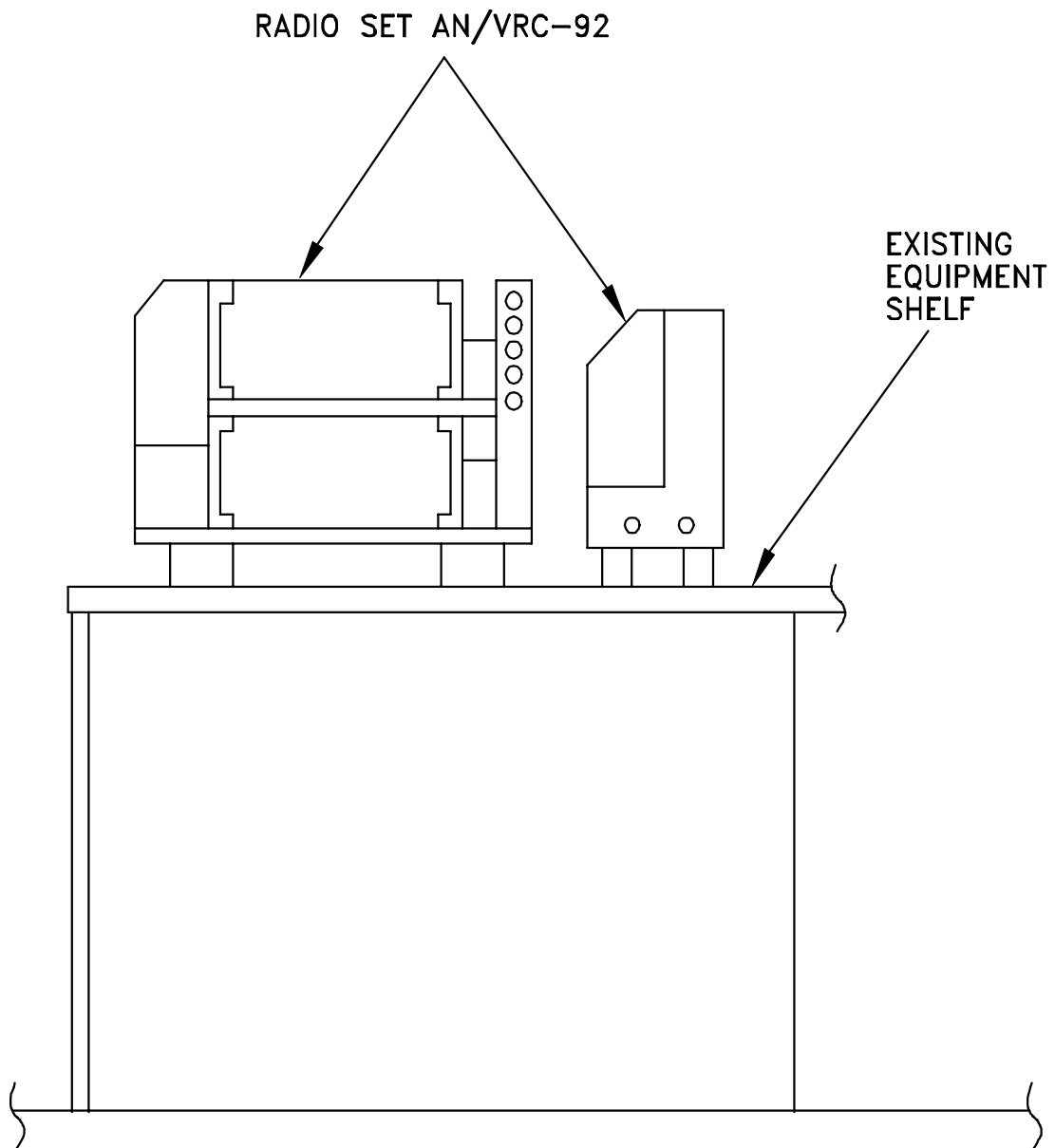


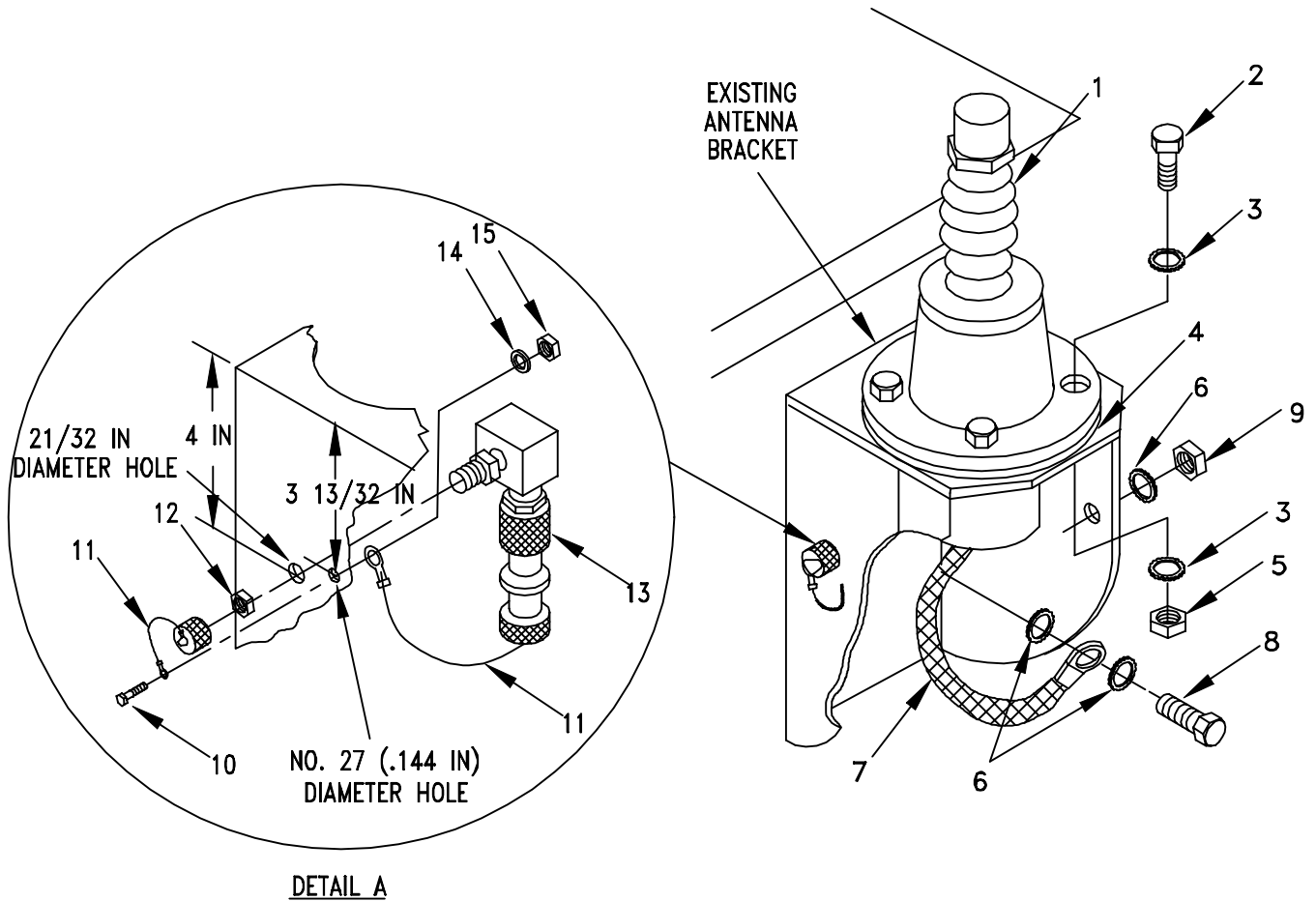
Figure 5-1(2). MK and Radio Installation: Radio Equipment Locations

5.1 Installation of Antenna, Vehicular, AS-3900/VRC (antenna).

5.1.1 Installation of Antenna Base. Use the following procedures to install both antenna bases. Install to existing antenna brackets at the discretion of vehicle commander.

ITEM	ACTION	REMARKS
NOTE		
Apply a thin coat of adhesive-sealant to both sides of each internal/external toothed (IET) washer during installation and to the area of contact where IET washer is to be placed.		
a. Gasket (4)	Place on existing antenna bracket and align mounting holes. See Figure 5-2.	
b. Antenna base (1).	Place on top of gasket (4) and antenna bracket; then align mounting holes. See Figure 5-2.	
c. Four cap screws (2), eight IET washers (3), and four nuts (5).	Install and secure to antenna base (1) and antenna bracket.	Tools: 9/16 in socket and 9/16 in open/box wrench.
d. Ground strap (7) , one bolt (8), three IET washers (6), and one nut (9).	Install and secure to existing antenna bracket. See Figure 5-2.	
e. Mounting holes for OE-254 antenna adapter (13).	Using dimensions shown, drill a No. 27 (.144 in)diameter hole and 21/32 in diameter hole through antenna bracket. See Figure 5-2, Detail A.	Tools: Electric drill, No. 27 and 21/32 drill bit.
f. OE-254 antenna adapter (13), nut (12), two electrical covers (11), pan head machine screw (10), lock washer (14) and nut (15).	Install and secure to holes drilled in step e.	Tools: 3/4 in and 5/16 in open/box wrench and Phillips screwdriver.

5.1.1 Installation of Antenna Base. Continued.



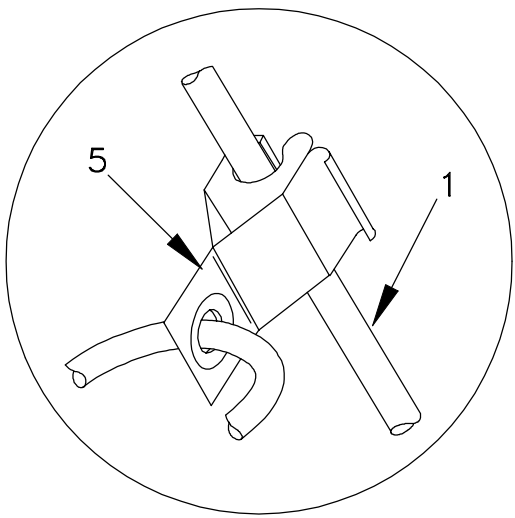
- 1. ANTENNA BASE
- 2. CAP SCREW (3/8-16 X 1 3/4 IN)
- 3. IET WASHER (3/8 IN)
- 4. GASKET
- 5. NUT (3/8-16 IN)
- 6. IET WASHER (5/16 IN)
- 7.. GROUND STRAP (P/O ANTENNA)
- 8. CAP SCREW (5/16-24 X 1 IN)

- 9. NUT (5/16-24 IN)
- 10. MACHINE SCREW
- 11. ELECTRICAL COVER
- 12. NUT
- 13. OE-254 ANTENNA ADAPTER
- 14. LOCK WASHER
- 15. NUT

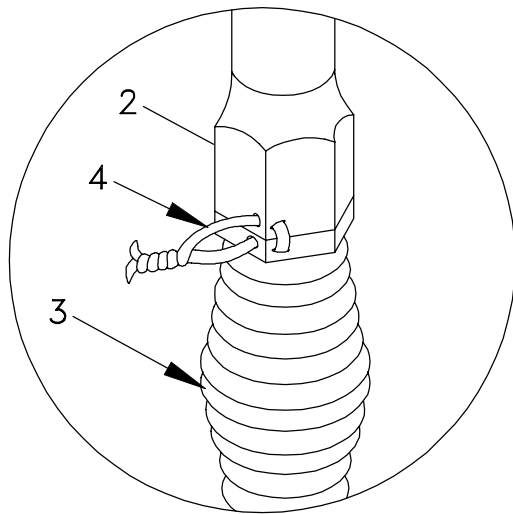
Figure 5-2. Antenna Base Installation

5.1.2 Installation of Top Antenna Assembly. The top portion of the antenna includes a lower element and an upper element (with installed cap). Use the following procedure to assemble, install and tie down all antennas.

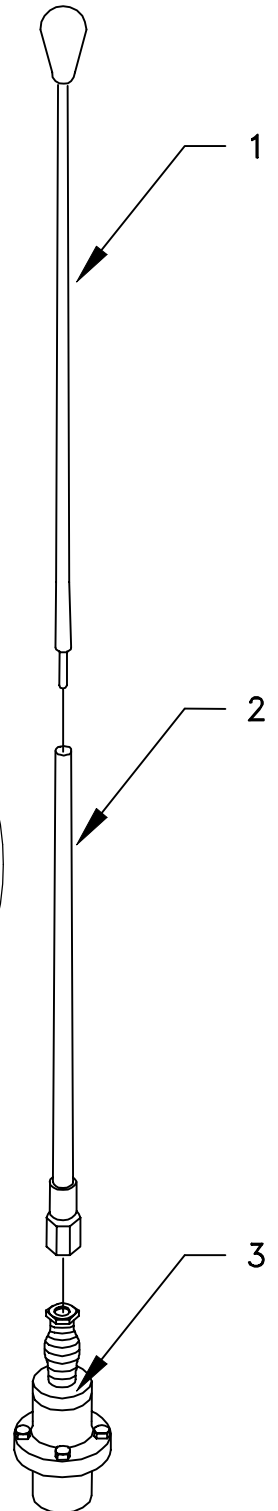
ITEM	ACTION	REMARKS
a. Antenna elements (1, 2).	Apply silicone compound to element threads and assemble. See Figure 5-3.	
b. Antenna element (2).	Install and hand tighten to antenna base (3).	
c. Lock wire (4).	Install to antenna element (2) and antenna base (3). See Figure 5-3, Detail A. Cut and remove excess wire with diagonal cutting pliers.	
d. Fiber rope assembly (5).	Attach clip to antenna element (1). Tie rope to vehicle to position antenna in desired location. See Figure 5-3, Detail B.	



DETAIL B



DETAIL A



- 1. ANTENNA ELEMENT (UPPER)
- 2. ANTENNA ELEMENT (LOWER)
- 3. ANTENNA BASE
- 4. LOCK WIRE
- 5. FIBER ROPE ASSEMBLY

Figure 5-3. Top Antenna Assembly Installation

5.2 Installation of Loudspeaker, Control-Unit, LS-671/VRC (speaker). Installation of the loudspeakers is at the discretion of the vehicle commander. See Figure 5-4 for a typical installation. Hardware to mount the speaker brackets to be locally provided.

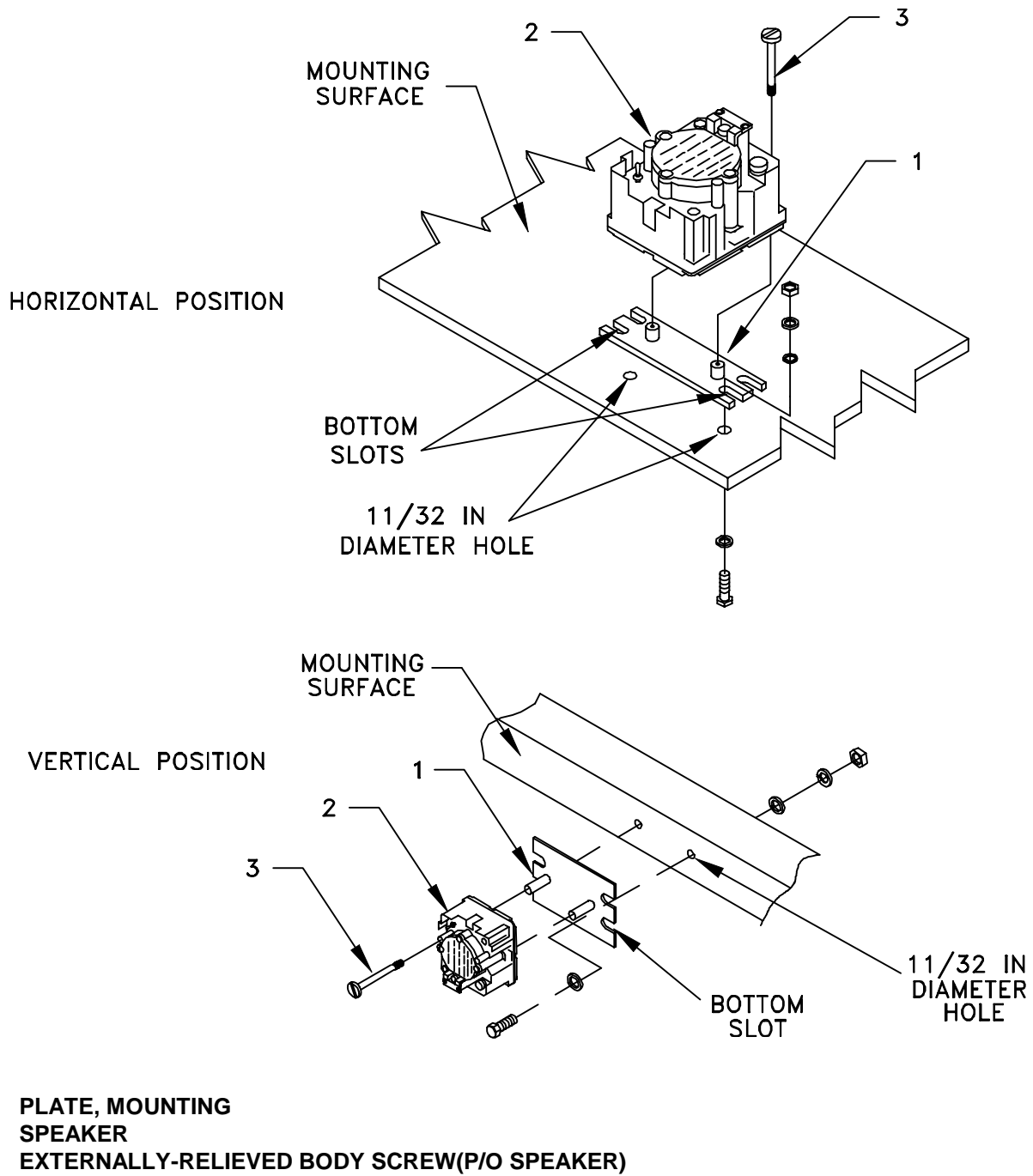
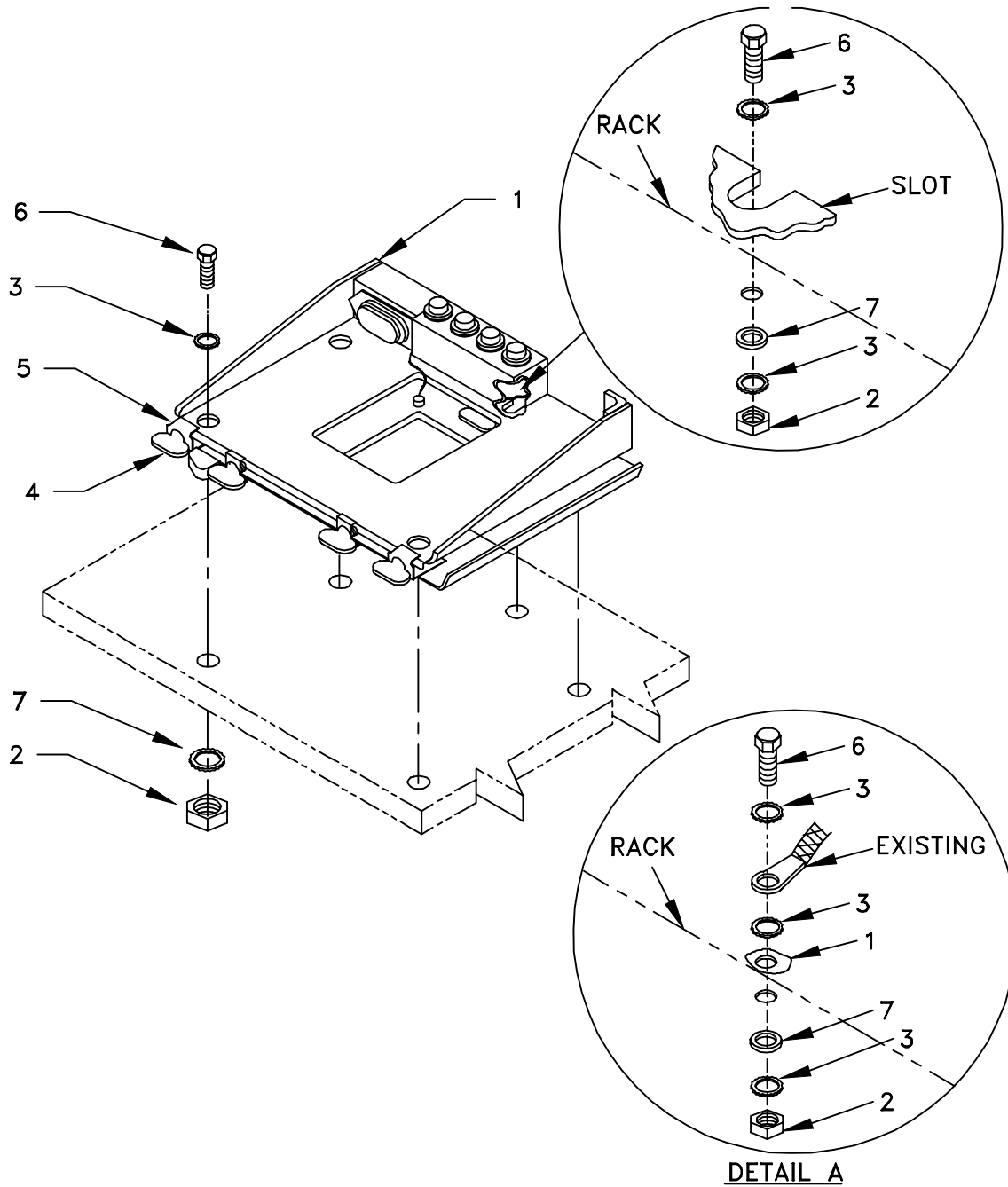


Figure 5-4 . Typical Loudspeaker Installation

5.3 Installation of Mounting Base, Electrical Equipment MT-6352/VRC (mounting base). Remove and retain attaching bag of 5/16 mounting hardware. To insure good electrical grounding, any rust, corrosion or paint around mounting holes in radio rack should be removed before installing the mounting base. See Figure 5-1(1) for location; then see Figure 5-5 and perform the following steps.

ITEM	ACTION	REMARKS
NOTE		
Apply a thin coat of adhesive-sealant to both sides of each internal/external-toothed (IET) washer during installation, and to the area of contact where IET washer is to be placed.		
a. Mounting base (1).	Place on rack over existing holes. See Figure 5-5.	
b. Two outer thumbscrews (4).	Turn ccw until both sets of threads have cleared center of holes.	
c. Mounting base (1).	Align four holes and rear slot with matching hole pattern in rack.	
d. Five machine bolts (6), eleven internal/external toothed (IET) washers (3), five flat washers (7), five nuts (2), and existing ground system.	Install and secure to mounting base (1) and equipment mounting rack. See Figure 5-5 and Detail A.	Tools: 1/2 in socket and 1/2 in open/box wrench.
e. Two outer thumbscrews (4).	Tighten and secure to rim clenching clamps (5) and mounting base (1).	

5.2 Installation of Mounting Base, Electrical Equipment MT-6352/VRC (mounting base). Continued.



- 1. MOUNTING BASE
- 2. NUT (5/16-24 IN)
- 3. IET WASHER (5/16 IN)
- 4. THUMBSCREW

- 5. RIM CLENCHING CLAMP
- 6. MACHINE BOLT (5/16-24 X 1 IN)
- 7. FLAT WASHER (5/16 IN)

Figure 5-5 Mounting Base Installation

5.4 Installation of Cables. To accomplish the installation, leave loop clamps and tiedown straps loose enough to adjust cable slack and allow easy adjustment of equipment. When installation is complete, tighten and secure all clamps, clips and tiedown straps.

WARNING

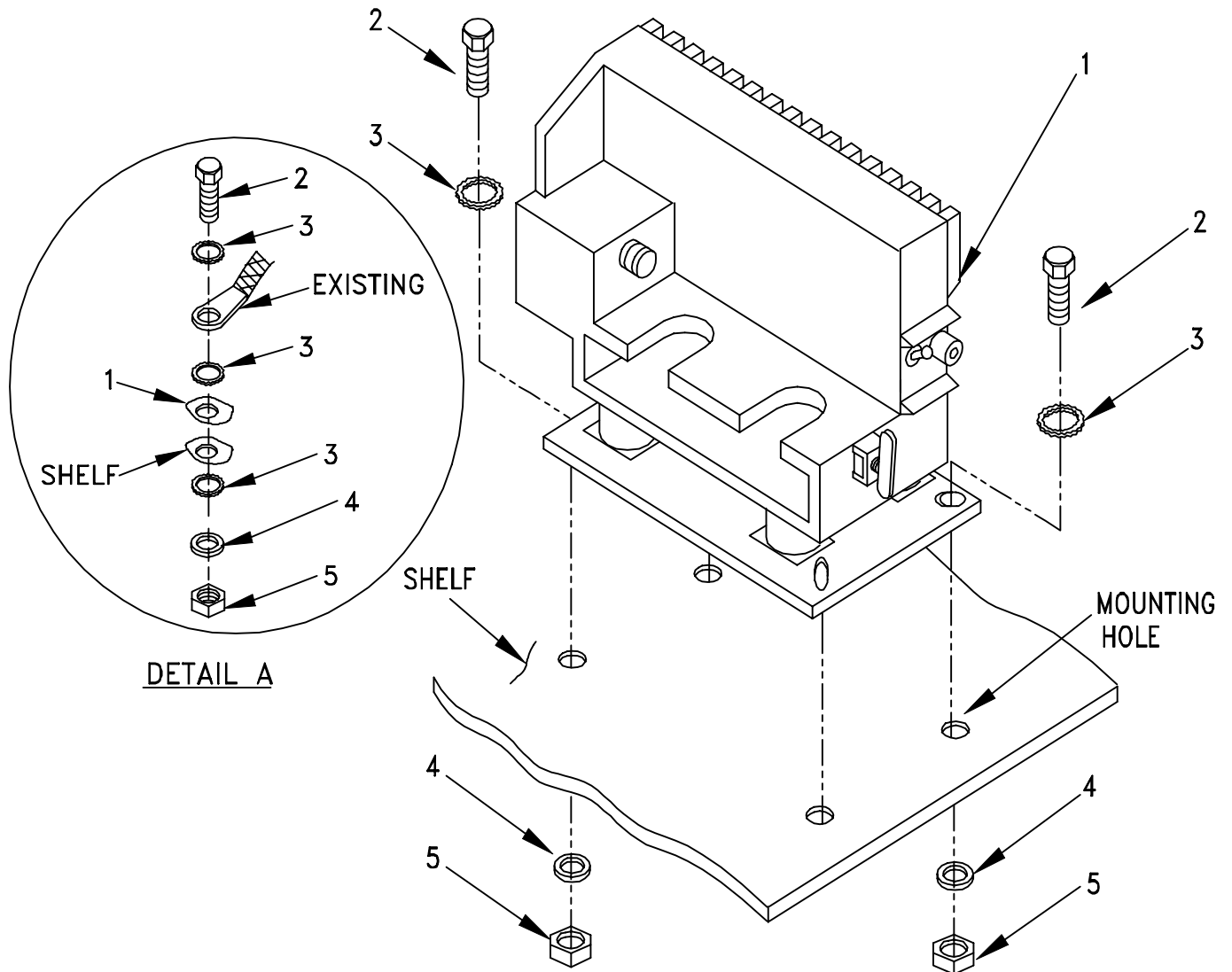
Make sure vehicle power source is positioned OFF or disconnected before installing cables.

ITEM	ACTION	REMARKS
a. RF cable (18 ft).	Route from left front of mounting base MT-6352 rearward to the front wall then to the nearest antenna port as determined by the vehicle commander. Then route the cable through the hole in the wall to the antenna base. Connect and secure connector P1 of the cable to connector J1 of the antenna base. Tie strap and use existing or locally provided cable clamps and hardware to secure the cable as required.	
b. RF cable (21 ft).	Route from left front of mounting base MT-6353 rearward to the front wall then to the other antenna port as determined by the vehicle commander. Then route the cable through the hole in the wall to the antenna base. Connect and secure connector P1 of the cable to connector J1 of the antenna base. Tie strap and use existing or locally provided cable clamps and hardware to secure the cable as required.	
c. Power cable.	Connect and secure to connector J1 of mounting base(MT-6352) and route to existing power supply.	
d. Loudspeaker cables (11 ft).	Connect and secure connector P2 of each cable to either connector J3 or J4 of the mounting base MT-6352 and then connect and secure connector P2 to connector J1 of the loudspeakers as determined by the vehicle commander.	

5.5 Installation of Mounting Base, Electrical Equipment MT-6353/VRC. Use the following instructions to install MT-6353/VRC mounting base. Refer to Section 5.6 for connection of cables.

ITEM	ACTION	REMARKS
NOTE		
<p>Apply a thin coat of adhesive-sealant to both sides of each internal/external-toothed (IET) washer during installation, and to the area of contact where IET washer is to be placed. Before proceeding, connect and secure CX-13291/VRC control cable and existing power cable to MT-6353/VRC mounting base. (Refer to Section 5.6, step b.)</p>		
a. MT-6353/VRC mounting base (1).	Place on equipment mounting shelf over existing holes. See Figure 5-6.	
b. MT-6353/VRC mounting base (1).	Align front holes and rear slots with matching hole pattern in equipment mounting shelf.	
c. Four machine bolts (2), six IET washers (3), four flat washers(4), four nuts (5), and existing ground system.	Install and secure to MT-6353/VRC mounting base (1) and equipment mounting shelf. See Figure 5-6 and Detail A.	Tools: 1/2 in socket and 1/2 in open/box wrench.

5.5 Installation of Mounting Base, Electrical Equipment MT-6353/VRC. Continued



- 1. MOUNTING BASE
- 2. MACHINE BOLT (5/16-24 X 1 1/2 IN)
- 3. IET WASHER (5/16 IN)
- 4. FLAT WASHER (5/16-IN)
- 5. NUT (5/16-24 IN)

Figure 5-6. MT-6353/VRC Mounting Base Installation

5.6 Post-Installation and Checkout. After equipment is installed and cables are connected, perform the following steps.

ITEM	ACTION	REMARKS
a. Equipment.	Check for secure mounting. Check for loose parts, connectors, and mounting hardware.	
b. Cables.	Check for proper installation and connection of cables. See Figure 5-7 for cable connections. Unused cables should be stowed in appropriate place inside the vehicle.	
c. Loop clamps.	Check that all have been properly installed and tightened.	
d. Protective covers.	Insure that all installed cables are covered when not in use or connected.	
e. Radio issued with vehicle.	Install and connect cables. See TM 11-5820-890-20-1 or TM 11-5820-890-20-4 for installation and operational (OP) checks and instructions.	
f. MK line replaceable units.	See TM 11-5820-890-20P for Repair Parts and Special Tools List (RPSTL) information.	

5.6 Post-Installation and Checkout. Continued.

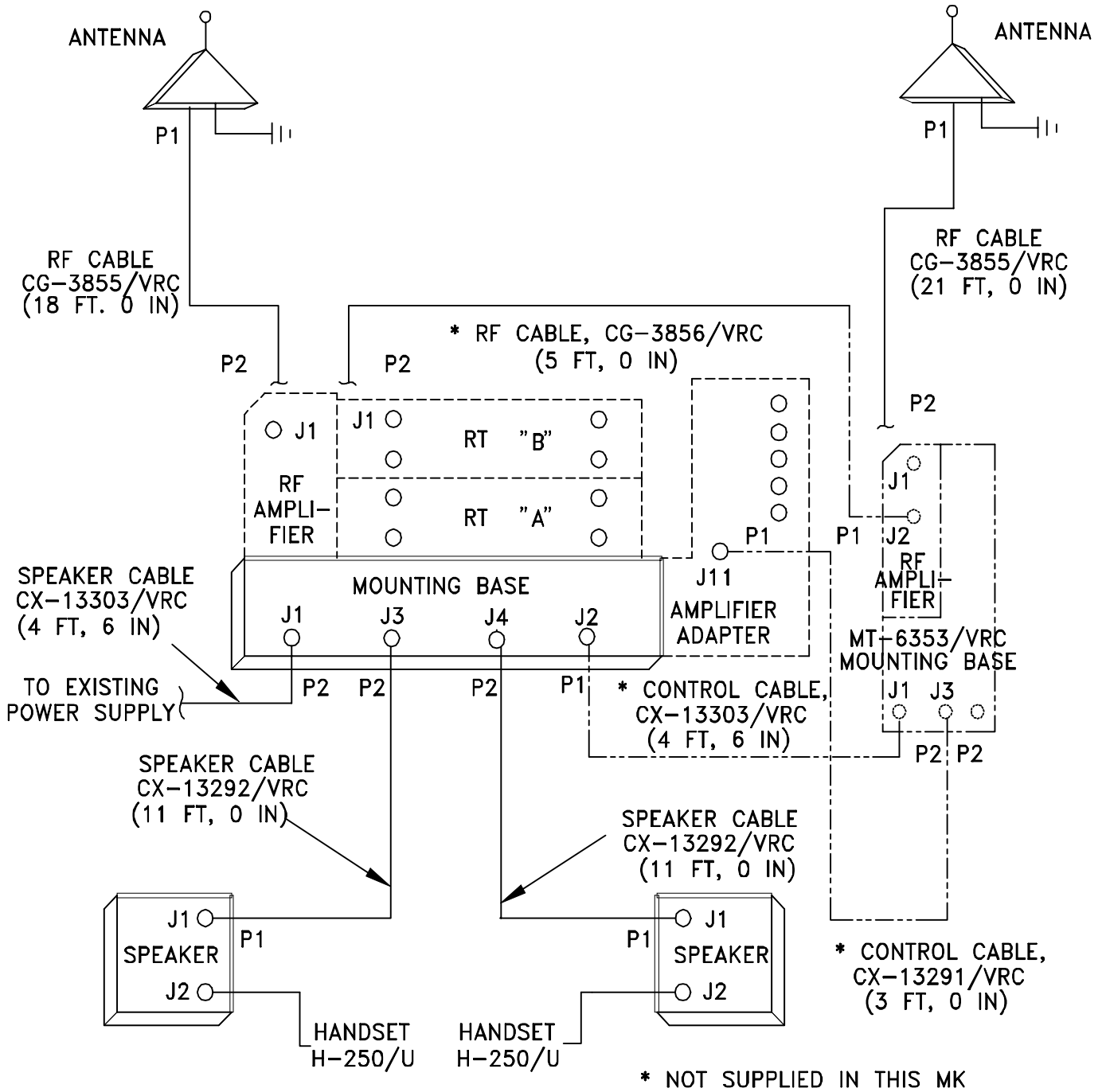


Figure 5-7. Cable Diagram: For AN/VRC-92 Series

5.6 Post-Installation and Checkout. Continued.

CABLE ASSEMBLY	FROM			TO		
	CABLE CONN.	UNIT	UNIT CONN.	CABLE CONN.	UNIT	UNIT CONN.
CX-13303/VRC (4 FT, 6 IN)	P2	Mounting base	J1	P1	Existing power supply	
CX-13292/VRC (11 FT, 0 IN)	P1	Mounting base	J3	P1	Speaker	J1
CX-13292/VRC (11 FT, 0 IN)	P2	Mounting base	J4	P1	Speaker	J1
CG-3855/VRC (18 FT, 0 IN)	P2	RF amplifier	J1	P1	Antenna base	J1
CG-3855/VRC (21 FT, 0 IN)	P2	RF amplifier (MT-6353/VRC)	J1	P1	Antenna base	J1
*CX-13291/VRC (3 FT, 0 IN)	P1	Amplifier-adapter	J11	P2	MT-6353/VRC mounting base	J3
*CG-3856/VRC (5 FT, 0 IN)	P2	RT "B"	J1	P1	RF amplifier (MT-6353/VRC)	J2
*CX-13303/VRC (4 FT, 6 IN)	p1	J2	P2	P2	MT-6353/VRC mounting base	J1

*Not supplied in this MK.

Figure 5-8. Cable Diagram: For AN/VRC-92 Series. Continued

APPENDIX A

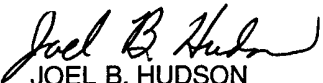
REFERENCES

AMDF	Army Master Data File (Microfiche)
AR 710-2	Supply Policy Below the Wholesale Level as Contained in Unit Supply UPDATE
AR 725-50	Requisitioning, Receipt and Issuing System in UPDATE
DA PAM 25-30	Consolidated Index of Army Publications (Microfiche)
DA PAM 710-2-1	Using Unit Supply System Manual Procedures as Contained in Unit Supply UPDATE
SB 11-131-2	Vehicular Radio Sets and Authorized Installations (SINCGARS)
TM 11-5820-890-10-1	Operator's Manual (ICOM Radio Sets)
TM 11-5820-890-10-3	Operator's Manual (Non-ICOM Radio Sets)
TM 11-5820-890-20-1	Unit Maintenance Manual (ICOM Radio Sets, Vol. 1)
TM 11-5820-890-20-2	Unit Maintenance Manual (ICOM Radio Sets, Vol. 2)
TM 11-5820-890-20-3	Unit Maintenance Manual Handbook (ICOM Radio Sets)
TM 11-5820-890-20-4	Unit Maintenance Manual (Non-ICOM Radio Sets)
TM 11-5820-890-20P	Repair Parts and Special Tools List

By Order of the Secretary of the Army:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff

Official:


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PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO	
2-25	2-28			<p>Recommend that the installation antenna alignment procedure be changed throughout to specify a 20 IFF antenna lag rather than 10</p> <p>REASON: Experience has shown that with only a 10 lag, the antenna servo system is too sensitive to gusting in excess of 25 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 20 without degradation of operation.</p>
3-10	3-3		3-1	<p>Item 5, Functional column. Change <input type="checkbox"/> 2 dB" to <input type="checkbox"/> 3 dB".</p> <p>REASON: The adjustment procedure for the TRANS POWER FAULT indicator call for a 3 dB (500 watts) adjustment to light the TRANS POWER FAULT indicator.</p>
5-6	5-8			<p>Add new step f.1 to read, <input type="checkbox"/> Replace cover plate removed in step d above."</p> <p>REASON: To replace the cover plate.</p>
		FO-3		<p>ZONE C 3. On J1-2, change <input type="checkbox"/> +24 VDC" to <input type="checkbox"/> +5 VDC".</p> <p>REASON: This is the output line of the 5 VDC power supply. +24 VDC is the input voltage.</p>

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