*SB 11-641

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

REPAIR AND RETURN PROCEDURES UNDER RELIABILITY IMPROVEMENT WARRANTY (RIW) FOR RADIO RECEIVING SETS AN/ARN-123 (V) 1 (NSN 5826-01-016-2762), AN/ARN-123 (V) 3 (NSN 5826-01-058-6800), AND AN/ARN-123 (V) 4 (NSN 5826-01-070-4067) AND R-1963/ARN, RECEIVER, RADIO (NSN 5826-01-015-1574)

Headquarters, Department of the Army, Washington, DC
21 November 1980

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1. General: *a. Purpose.* This Supply Bulletin (SB) provides the basic Repair and Return (R&R) concept (with property accountability retained by the user, by item type, not necessarily by serial number), and also furnishes instruction for the return for repair of subject equipment under warranty. It further provides Army Field Commanders, other services and authorized contract facilities involved with Army aircraft with the method of disposition, handling and accounting under the Reliability Improvement Warranty (RIW).

b. Comments Relating to This Publication. Any queries concerning the general content of this bulletin should be directed to the Commander, U.S. Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-MMO-R, Fort Monmouth, NJ 07703. Specific queries concerning the technical,

* This Supply Bulletin supersedes SB 11-641, dated 20 May 1977.

maintenance, transportation, supply and/or reliability warranty aspects of this program should be directed to those addresses listed in paragraph 7.

2. References: *a.* Contract DAAB07-75-C-0853 with
Bendix Corporation,
Avionics Division
2100 N.W. 62nd Street
Ft. Lauderdale, Florida 33310

b. Equipment Technical Manuals
(1) AN/ARN-123(V) TM 11-5826-258-24
TM 1l-582&258-20P
(2) R-1963/ARN TM 11-5826-257-24

c. TM 38-750 The Army Maintenance Management System (TAMMS).

d. AR 725-50 Requisition and Issue of Supplies and Equipment, Requisitioning Receipt and Issue System.

e. AR 710-3 Asset and Transaction Reporting System.

AR 700-58 Packaging Improvement Report.

AR 340-3 Official Mail.

SB 38-100 Preservation, Packaging, Packing and Marking Materiels, Supplies and Equipment Used by the Army.

3. Background: *a.* The AN/ARN-123(V), Receiving Set, Radio, when installed in Army aircraft (both fixed and rotary wing) equipped with appropriate instrumentation will provide manual and automatic Very High Frequency Omnirange (VOR) bearing, Localizer (LOC), Glideslope (GS) and Marker Beacon (MB) position information for enroute and terminal navigation and Instrument Landing Systems (ILS) approach and landing.

b. The R-1963/ARN, Receiver, Radio, will provide glideslope and marker beacon information during ILS approach and landing. When interfaced with an updated AN/ARN-82/VOR-LOC, Receiver a complete VOR-ILS system will be constituted.

c. AN/ARN-123(V), Receiving Set, Radio, has three configurations utilized by the Army. Their components are as follows:

(1) AN/ARN-123(V) is comprised of a C-10048, Control, R-2023, Receiver and MT-4834, Mount.

(2) AN/ARN-123(V)3, is comprised of a C-10048, Control, R-2023, Receiver and MT-4980, Mount.

(3) AN/ARN-123(V)4 is comprised of a C-10048, Control, R-2139, Receiver and MT-4834, Mount.

d. Radio Receivers AN/ARN-123(V) and R-1963/ARN were procured by US Army CERCOM with a ***4-year Reliability Improvement Warranty (RIW)*** from the manufacturer, Bendix Corporation, Avionics Division, Ft. Lauderdale, Florida. A subsequent ***2-year RIW extension*** has been contractually added to each receiver for an overall ***6-year RIW*** total. The warranty provides that the manufacturer repair, overhaul or replace, as required, any radio set or component as listed during the six year period.

NOTE

The AN/ARN-123(V)2 is used exclusively by the U.S. Coast Guard.

e. During the life of the warranty period, there is to be no repair of these items within Army Maintenance channels, AVUM, AVIM, Depot or by any facilities other than those of the manufacturer.

f. THE EQUIPMENT WILL CONTAIN APPROPRIATE SEALS WHICH MUST NOT BE BROKEN OR TAMPERED WITH IN ORDER TO COMPLY WITH WARRANTY CONDITIONS OF THE CONTRACT.

g. The return to the contractor of receivers found to be operating satisfactorily by both the contractor and Government DCASMA personnel at the contractor's plant will, under the provisions of the RIW, subject the Government to monetary penalties. To avoid such penalties, failures must be carefully checked in accordance with the TM, prior to return to the contractor.

h. The RIW maintenance philosophy uses a direct interface between the user's maintenance organization (i.e., usually the aviation unit maintenance (AVUM) or aviation intermediate maintenance (AVIM)) and the equipment manufacturer's repair facility. This means that the user's maintenance organization receives, processes and returns the failed unit to the manufacturer. Shipment of the replacement/repaired unit will be made direct to the evacuating maintenance unit. Multiple handling of serviceable/unserviceable equipment between intermediate organizations is to be avoided to eliminate long handling and processing times.

i. Reliability Improvement Warranty (RIW) effectiveness is based upon quick processing of failed equipments to and from the contractor's repair facilities.

j. Aircraft utilizing AN/ARN-123(V)l, (V)3, (V)4 and R-1963/ARN through the new production or retrofit installation route are:

A/C type	*AN/ARN-123*			*R-1963/ARN*
	(V)1	(V)3	(V)4	
AH-1S		x		
CH-47C/D	x			
OH-58C	x			
T-42	x			
U-8F	x			
UH-60			x	
UH-1	x			x
CH-54				x
OV-1/RV-1				x
U-21/RU-21				x
UH-1V				x

k. Aviation units receiving aircraft with the new subject equipment may requisition float as authorized.

4. Concept: *a.* Equipment furnished under the Reliability Improvement Warranty (RIW) will be free

from defects in materiel, workmanship, and design and will operate in its intended environment in accordance with the specifications of the contract for a period of 6 years. THE EQUIPMENT WILL CONTAIN APPROPRIATE SEALS WHICH MUST NOT BE BROKEN OR TAMPERED WITH IN ORDER TO COMPLY WITH WARRANTY CONDITIONS OF THE CONTRACT. It should be noted that all items returned for repair to the contractor will undergo a joint inspection at the contractor's plant by both a government and a contractor representative. If this inspection discloses broken seals or the radio receiver, control, or mounting have been tampered with, or undergone willful mistreatment, such units will not be repaired under the contract warranty. These units will be repaired under a separate maintenance contract with the manufacturer.

b. Under the contract terms of the warranty, the contractors shall not be obligated for the repair of any radio receivers under this warranty if failure of nonconformance is caused by fire, explosion, submersion, aircraft crash, enemy action, natural disaster, and/or accidental or willful mistreatment. However, receivers damaged or requiring repair because of the aforementioned causes, are still required to be returned to the contractor for final inspection, evaluation and disposition. It should be noted that items returned in the above categories which are found to void the warranty will still be evaluated for repair under a separate contract with the manufacturer.

c. Warranty and contract terms contain monetary penalty conditions to the government involving the return of radio receivers found to be operating satisfactorily by the contractor and Government Product Assurance personnel upon inspection at the plant. Evacuating activities of radio receivers should therefore follow the applicable procedures involving the tests prescribed in TM's at the respective support levels to assure that a receiver is not functioning as required before returning equipment for repair. Penalty charges of $100.00 per radio set will be charged to the government when no verified failure of the equipment occurs. Based on this fact, using units must ensure that, prior to return of equipment for warranty, all prescribed tests performed verify that an unserviceable unit exists.

5. Scope: These instructions provide Army field commanders, other services and authorized contract facilities (including airframe manufacturers and commercial airframe overhaul facilities) involved with Army aircraft, with the method of disposition, handling and accounting, under the Reliability Improvement Warranty (RIW).

6. Procedures: *a. Equipment under Warranty:* Items authorized for Repair and Return under Contract DAAB07-75-C-0853 are identified as follows:

NSN	*NOMENCLATURE*	*TYPE NO*
5826-01-020-2263	Control, Receiver	C-10048/ARN. 123(V)
5826-01-020-2258	Receiver, Radio	R-2023/ARN-123(V)
5826-01 -070-4065	Receiver, Radio	R-2139/ARN-123(V)
5826-01-020 2266	Mounting Base, Electrical Equipment	MT-4834/ARN-123(V)
5826-01-058-7717	Mounting Base, Electrical Equipment	MT-4980/ARN-123(V)
5826-01-015-1574	Receiver, Radio	R-1963/ARN
5826-01 -022-9257	Mounting Base, Electrical Equipment	MT-4835/ARN

b. Materiel Flow:

(1) A general repair and return warranty flow diagram for AN/ARN-123(V)( ), Receiving Set, Radio, and R-1963/ARN, Receiver, Radio, is shown in figure 1.

(2) As indicated in paragraph ***a*** above, those components requiring repair will be returned directly to the contractor, addressed and marked as follows:

Bendix Corporation
Avionics Division
2100 N.W. 62nd Street
Ft. Lauderdale, Florida 33310
ATTN: CONUS Repair Service Administrator
Reliability Improvement Warranty
M/F: Contract DAAB07-75-C-0853

NOTE

Using activities *should not requisition replacements* for those components returned for Repair and Return under this equipment warranty program.

c. AVUM Procedures. Using technical manual procedures, AVUM will verify that a Line Replaceable Unit (LRU) has failed. The LRU will be removed from the aircraft; DA Form 2407 prepared, logbook entries made, and the Installation/Removal Data Label affixed to the LRU will be filled out. The LRU will be taken to AVIM and exchanged for a good LRU. AVUM will then fill in the information on the Installation/Removal Data Label on the replacement unit, install the LRU in the aircraft; and make the appropriate entries in the aircraft logbook.

d. A VIM Procedures. AVIM will verify that the LRU brought by AVUM has failed using TM procedures. AVIM will then give AVUM a good LRU from stock and package the failed LRU in the same packaging that has been used to store the spare LRU. AVIM will prepare a DD Form 1348-1 with *MILSTRIP* docu-

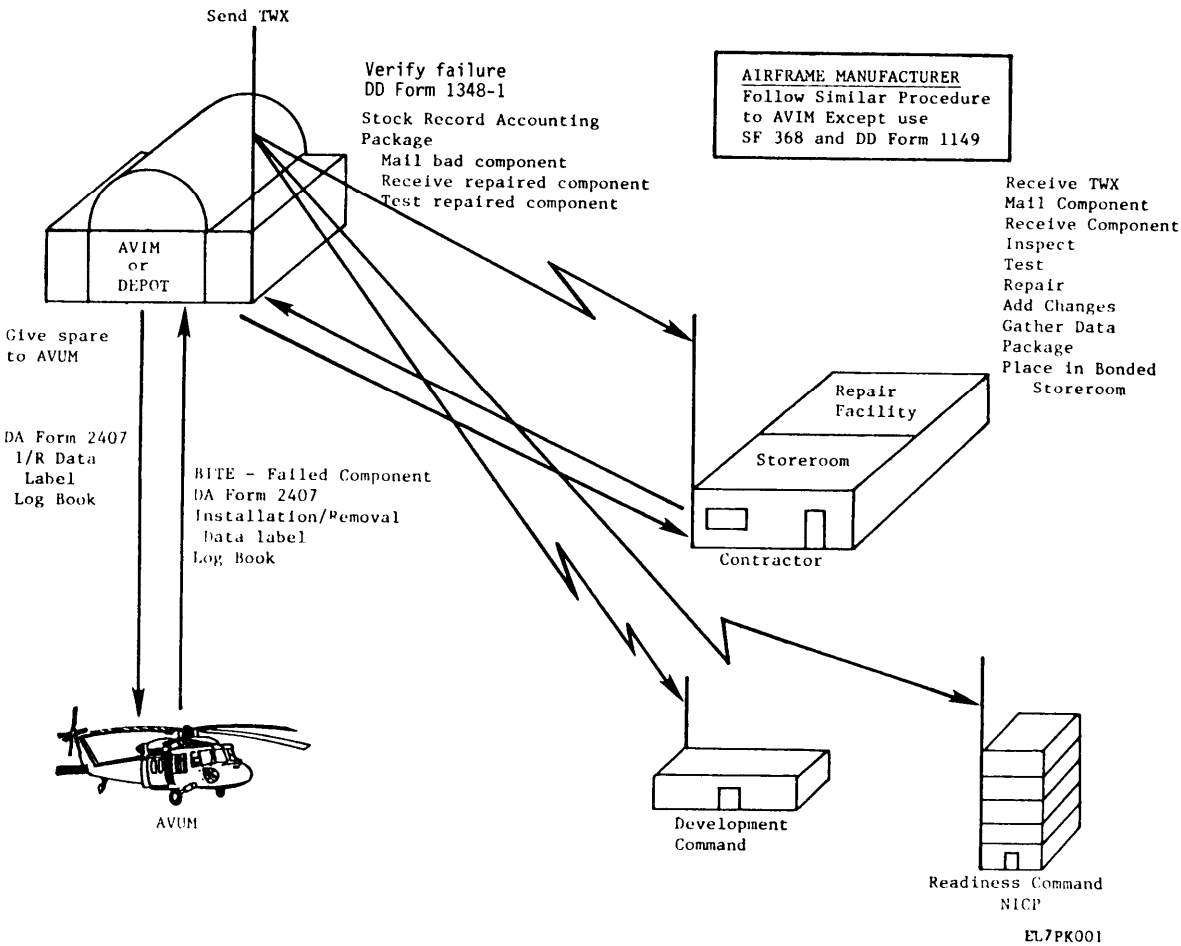

Figure 1. Repair and Warranty Flow Receiving Set, Radio AN/ARN-123(V)( ) and Receiver, Radio R-1963/ARN.

ment number, perform stock record accounting, mail the failed LRU to the contractor's plant. AVIM will prepare DD Form 173/2 (OCR), Joint Message Form and assure that it is properly transmitted by the message center to the contractor with information copies as required. Upon receipt of a LRU from the contractor's plant, AVIM will inspect and test the LRU, store the LRU in the shipping packaging, and perform stock record accounting.

e. Accountability. Accountability for equipment returned for repair/replacement for the AN/ARN-123(V), Receiving Set, Radio and R-1963/ARN, Receiver, Radio components will be the responsibility of the user (returnee) until receipt at the contractor's repair facility at which time accountability will be assumed by the Defense Contracting Administration Services Management Area (DCASMA) Administrative Contracting Officer (ACO) for Contract DAAB07-75-C-0853.

j Documentation. All activities that return any AN/ARN-123(V) or R-1963/ARN component for warranty repair are required to prepare a message, electrical, which must contain the following minimal information to assure expedited replacement/return of the unserviceable component. See figure 2 for typical example.

1. *POINT-OF-CONTACT AND TELEPHONE NUMBER* (Specify Autovon or Commerical.

2. *COMPONENT, SERIAL NUMBER, NATIONAL STOCK NUMBER.*

3. *AIRCRAFT TYPE AND TAIL NUMBER.*

4. *FAILURE INDICATION.*

5. *DATE INSTALLED.*

6. *DATE REMOVED.*

7. *USPS MAIL RETURN RECEIPT NUMBER.*

8. *MILSTRIP DOCUMENT NUMBER.*

9. *DA FORM 2407 CONTROL NUMBER.*

10. *REPAIRED EQUIPMENT SHIP TO ADDRESS (WITH ATTENTION LINE).*

NOTE

Failure to provide complete data in the message will cause delay in forwarding a replacement component. Omitted data will have to be obtained from the returning activity before replacement.

(1) Message will be sent to:

Bendix Corp.
Avionics Division
2100 NW 62nd St.
Ft. Lauderdale, Florida 33310
ATTN: CONUS Repair Service Administrator
Reliability Improvement Warranty

(2) Information Copies to:

(a) DCASMA, Bendix Avionics, Ft. Lauderdale, Fla.

(b) CDRCERCOM, Ft. Monmouth, NJ. ATTN: DRSEL-MME-AN

(c) CDRAVRADA, Ft. Monmouth, NJ. ATTN: DAVAA-P

(3) Army activities returning components for warranty repair are to complete the following blocks only of the DA Form 2407, Maintenance Request (see fig. 3).

(a) Heading-Enter a "X" in Warranty space.

(b) Blocks 1 through 15–complete as prescribed in TM 38-750, paragraph 3-8 *c.*

(c) Block 16—State in clear terms the following facts concerning the item identified in block 3:

1. Date the item became inoperable.

2. Indicate aircraft type and tail number in which failure occurred/or other.

3. An opinion as to the cause of the failure.

4. Identification of the performance test which the item failed; i.e., the test which confirmed the item to be unserviceable and the basis for which the item is being returned to the manufacturer for repair.

5. The statement that the "Installation/Removal Data label has been filled out. "

(d) Block 30-Enter the complete in-the-clear address of where the item is to be shipped after repair.

(e) DA Form 2407 distribution shall be as follows:

1. Receipt Copy #l-Place with the failed component being returned to the contractor for warranty repair.

2. NMP Copy #2-Mail to the following address:

Commander
US Army CERCOM
ATTN: DRSEL-ME-EW
Fort Monmouth, NJ 07703

j Another copies (#3 through #5) will be disposed of as prescribed by the local command.

(4) SF 368, Quality Deficiency Report is used when a failure occurs at an Army depot or prime contractor supplied with Government Furnished Avionics Equipment (GFAE) that is under the RIW concept. SF 368 Form is used in lieu of the DA Form 2407.

(a) Complete the SF 368 Form in accordance with DSA REG. NO. 4155.24(AR 702-7), Reporting of Quality Deficiency Data.

(b) Mandatory entries required:

1. Item 13—Equipment Operating Hours.

2. Item 16—Fill in acft type and tail no.

3. Item 19—YES Block.

4. Item 21—Released for Investigation.

5. Item 22—In addition to details describing the problem, the following statements must be included in block 22 "Installation/Removal Data Label has been filled in, and "FOR INFORMATION ONLY-RELIABILITY IMPROVEMENT WARRANTY".

(c) Attach copy to the equipment being returned to the manufacturer.

(d) Failed items should be returned immediately to the manufacturer. Normal conditions call for withholding disposition, pending receipt of disposition instructions from the Product Assurance Directorate

MESSAGE EXAMPLE

FROM: 11 AVN BN HANAU GER // / /

TO: 510-955-9884 BENDIX AVIONICS/ FT. LAUDERDALE/ FL //

CONUS RIW ADMINISTRATOR

INFO: CDRCERCOM FT. MONMOUTH, NJ // DRSEL-MME-AN //

CDRAVRADA FT. MONMOUTH, NJ // DAVAA-P //

510-955-9884 DCASMA, FT. LAUDERDALE, FL //

BENDIX QAR

UNCLAS

SUBJ NOTICE OF AN/ARN-123 (OR R-1963/ARN) FAILURE,

CONTR DAAB007-75-C-0853Z REQUEST REPLACEMENT OR

REPAIR OF FOLLOWING COMPONENT:

1. CW3 SMITH/ AUTOVON 314-555-1234

2. R-2023/ARN-123(V)z SER #152Az USN 5826-01-020-2258

3. AH-1S 76-22602

4. UNIT DISPLAYS ERRATIC VOR BEARING OUTPUT

5. INSTALLED 15 FEB 79

6. REMOVED 1 NOV 79

7. US POSTAL SYSTEM INSURED RETURN RECEIPT NO 323

8. WK4K6A 9338 01 05

9. DA FORM 2407 CONTROL #654321

10. // AVN BN, ATTN: AVIONICS, APO NEW YORK 09165

EL7PKO02

Figure 2. Sample Electrically Transmitted Message.

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MAINTENANCE REQUEST
For use of this form, see TM 38-750; the proponent agency is DCSLOG.

REQUIREMENT CONTROL SYMBOL CSGLD-1047 (R1)

SECTION I – GENERAL DATA

☐ WORK REQUEST ☐ MWO ☒ WARRANTY ☐ ORGANIZATION ISSUE PRIORITY DESIGNATOR CODE

CONTROL NUMBER	1a. ORGANIZATION	b. LOCATION	c. UNIT IDENTIFICATION CODE
010436	E CO, 227TH AVN BN	FT. HOOD, TX 76545	WH6BEO

2. SERIAL NUMBER	3. NOUN NOMENCLATURE	4. LINE NUMBER	5. MODEL	6. NATIONAL STOCK NUMBER
327A	RCVR	AH-1S	R-2023	5826-01-020-2258

7. STRAC	8. UTILIZATION CODE	9. SELECTED ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
☐ 1 YES ☐ 2 NO	ON	☑ 1 YES ☐ 2 NO	857			

14. FAILURE DETECTED DURING (Select one - use ✓ or X)
SCHEDULED: ☐ P MAINTENANCE ☐ H HANDLING ☐ G TEST
NORMAL: ☐ O OPERATION ☐ E STORAGE ☐ F INSPECTION
☑ M FLIGHT ☐ H OTHER

15. FIRST INDICATION OF TROUBLE (Select one - use ✓ or X)
☑ 068 INOPERATIVE ☐ 258 OVERHEATING ☐ 790 OUT OF ADJUST.
☐ 008 NOISY ☐ 387 LOW PERFORMANCE ☐ ☐ OTHER

16. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not overwrite requisition)

WARRANTY CLAIM ACTION

DATE ITEM FAILED: 9252 :AIRCRAFT AH-1S 75-00356

INTERMITTENT OPERATION IN VOR MODE ON CH 108.60 :

CONFIRMED BY BENCH TEST PER TM 11

INSTALLATION/REMOVAL DATA LABEL FILLED OUT

SECTION II – WORK ACCOMPLISHED

17a. REPAIR ORGANIZATION/ACTIVITY	c. UNIT IDEN CODE	18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ✓ or X)	19. AMS ACT. CODE
b. LOCATION		☐ 1 TOE ☐ 2 TD ☐ 3 CONTRACTOR	

20a. Action Code	b. Failure Code	c. COMPONENT/PART NOUN, SERVICE, OR MWO NO.		d. MFR Code	e. Manhours (Hours & tenths)	f. National Stock Number	g. Part Source Code	h. Quantity	i. Parts Cost
		CB Code	Reference Designator						

SAMPLE

j. TOTAL MANHOURS	m. TOTAL MANHOURS COST	n. TOTAL PARTS COST

21. DELAY (Select one - use ✓ or X)
☐ 1 PARTS ☐ 2 MANPOWER ☐ 3 FACILITIES ☐ 4 FUNDS ☐ 5 TOOLS

☐ DATA TRANSCRIBED TO LOG BOOK

23. SUBMITTED BY	24. RECEIVED BY	25. WORK STARTED BY	26. INSPECTED BY	27. ACCEPTED BY	28. DISPOSITION (Select one - use ✓ or X)
PFC.					☐ C Salvaged ☐ A To Unit ☐ D Evaluated ☐ M To Stock ☐ F Cannibaliz.
JULIAN DATE 9254	JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE	

29. NORMAL REPLACEMENT (Select one - use ✓ or X) ☐ 1 YES ☐ 2 NO

30. REMARKS

COMMANDER
E CO, 227TH AVN BN
1ST CAV DIV
ATTN: AVIONICS
FT HOOD, TX 76545

DA FORM 1 JUL 79 2407 EDITION OF 1 OCT 73 WILL BE USED UNTIL EXHAUSTED.

EL7PK003

Figure 3. Sample DA Form 2407

CERCOM; however, for these warranties immediate return to the contractor is authorized.

(5) Installation/Removal Data Label/Instruction Decal is affixed to the R-2023 and R-2139/ARN-123(V), Receivers, Radio, C-10048/ARN-123(V), Control, Receiver and R-1963/ARN, Receiver, Radio. The Installation/Removal Data label shall be completed legibly by the returning activity using a ball point pen. The label is shown in Figure 4.

g. *Receipt, Return, Unpacking, Packaging and Packing:*

(1) *Packing and unpacking.*

(a) Packaging data. The AN/ARN-123(V), Receiving Set, Radio, R-1963/ARN, Receiver, Radio and mounts are individually packaged in separate weather-resistant corrugated fiberboard cartons with all seams and joints sealed with water-resistant pressure sensitive tape. Each item is inclosed within a sealed plastic bag and cushioned within the carton with preformed plastic molding material. A typical packaging configuration with contents is shown in Figures 5 and 6. The approximate exterior dimensions of the equipment and boxes are provided in tables I and II (fig. 7).

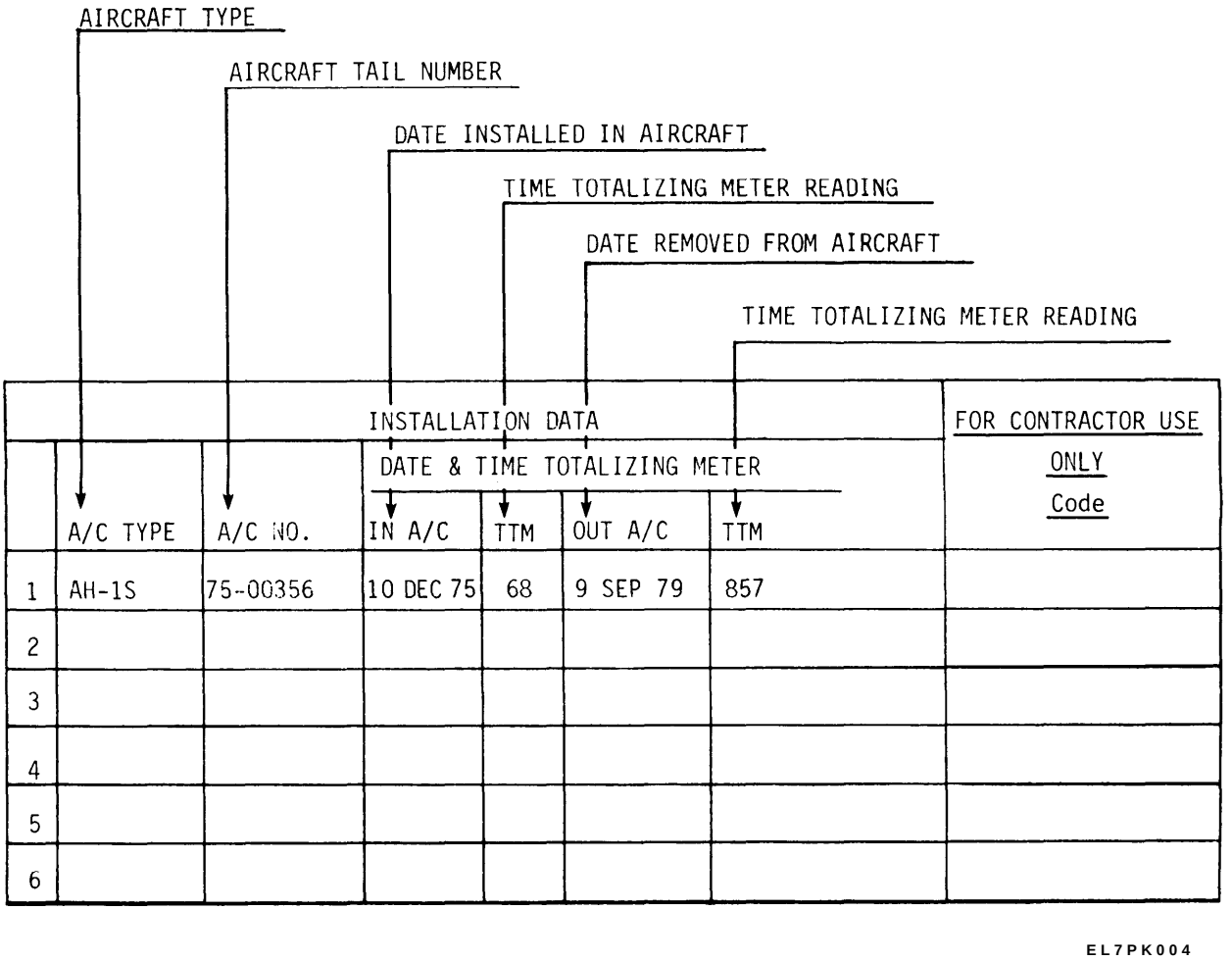

Figure 4. Installation/Removal Data Label.

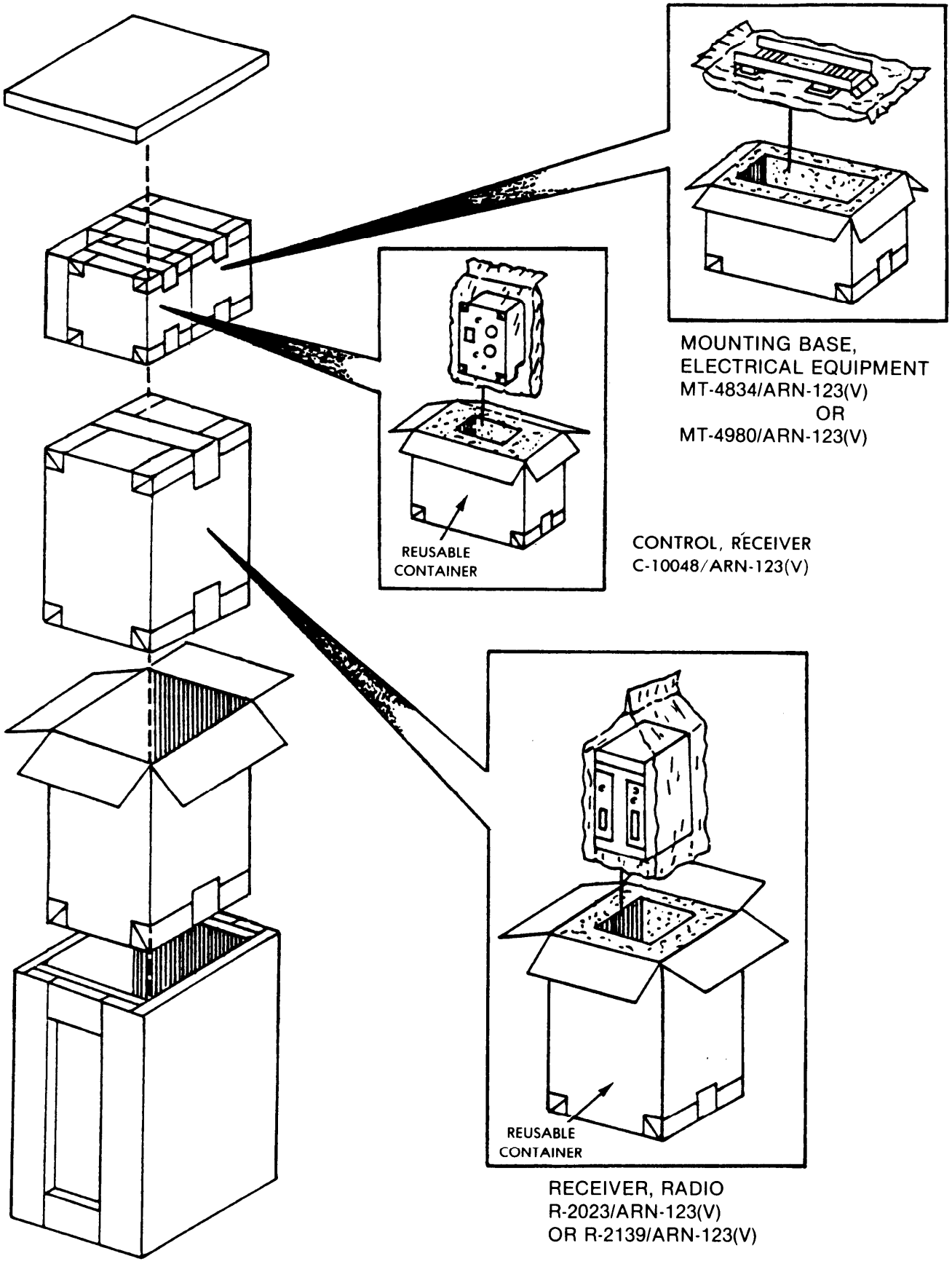

Figure 5. Interface Conversion Group Packaging Diagram for Receiving Set, Radio AN/A RN-123(V).

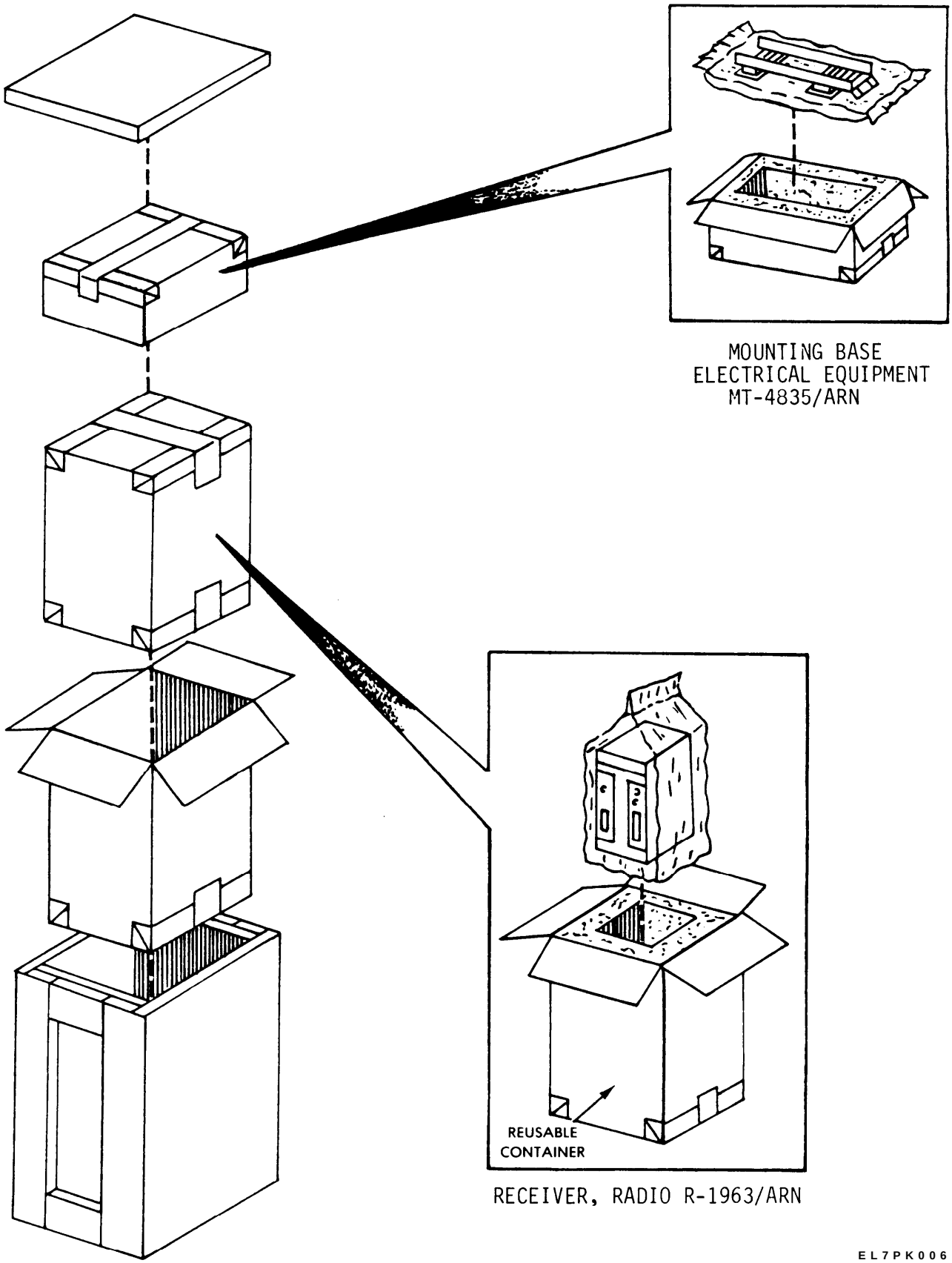

Figure 6. Interface Conversion Group Packaging Diagram for Receiver, Radio R-1963/ARN.

TABLE I RECEIVING SET, RADIO AN/ARN-123(V)1 PACKAGING DATA

COMPONENT	ITEM NET DIM (IN)	CARTON SIZE (IN) (ID)	VOLUME (CU FT)	WEIGHT (LB)
C-10048/ARN-123(V)l Control, Receiver	5.13 X 5.75 X 2.625	9.75 X 6.62 X 12.25	0.46	4.00
R-2023/ARN-123(V) or R-2139/ARN-123(V) Receiver, Radio	11.93 X 4.12 X 7.18	11.25 X 8.12 X 17	0.89	12.00
MT-4834/ARN-123(V) Mounting Base, Electrical Equipment	13.62 X 4.38 X 2.25	17-1/8 X 9-3/4 X 4-1/8	0.40	2.00
Consolidation Box Box		17-3/4 X 11-5/8 X 18-1/2	2.20	19.00
Wooden Box		17-7/8 X 11-3/4 X 18-5/8	2.98	32.00
MT-4980/ARN-123(V) Mounting Base, Electrical Equipment	13.62 X 7.06 X 1.17	17-1/8 X 11-5/8 X 2-5/8	0.35	2.00

TABLE II RECEIVER, RADIO R-1963/ARN AND MOUNTING BASE, ELECTRICAL EQUIPMENT PACKAGING DATA

COMPONENT	ITEM NET DIM (IN)	CARTON SIZE (IN) (ID)	VOLUME (CU FT)	WEIGHT (LB)
R-1963/ARN Receiver, Radio	8.43 X 3.56 X 4.06	8 X 8 X 12	0.44	6.00
MT-4835/ARN Mounting Base, Electrical Equipment	9.87 X 3.84 X 2.25	12-3/8 X 8 X 2-5/8	0.15	2.00
Consolidation Box		12-7/8 X 8-1/2 X 11-5/8	0.74	9.00
Wooden Box		13 X 8-5/8 X 11-3/4	1.13	16.00

EL7PKO07

Figure 7. Packaging Data (Tables I and II).

(b) Unpacking instructions. Unpack the radio set or the receiver in the same manner. Pry off the wooden box cover. Remove each individual box from the consolidation container. Open the component boxes; use care when removing the items so as not to damage the components or the cartons, plastic bag or the internal dunnage. *Do not dispose of the packaging materials.*

NOTE

The containers utilized for the following components are 10 TRIP REUSABLE CONTAINERS, designed with specially preformed plastic molded inserts. These containers shall be retained for use in repackaging and shipping between the government and contractor's overhaul facility.

R-2023/ARN-123(V), Receiver, Radio
R-2139/ARN-123(V), Receiver, Radio
C-10048/ARN-123(V), Control, Receiver
MT-4834/ARN-123(V), Mounting Base, Electrical Equipment
R-1963/ARN, Receiver, Radio
MT-4835/ARN, Mounting Base, Electrical Equipment
MT-4980/ARN, Mounting Base, Electrical Equipment.

(2) *Checking unpacked equipment.*

(a) Inspect the equipment for damage that may have occurred during shipment. If the equipment has been damaged, or packaging deficiencies are discovered, fill out and forward Standard Form 364 (AR 735-1 1-2).

(b) Check to see that the equipment is complete as listed on the packing slip. If the packing slip is not available, check the equipment against the items listed in tables I and II (fig. 7).

(3) *Repacking.*

(a) Repackage the equipment using the reverse procedure shown in subparagraph g(1) above and figures 5 and 6. If the original packaging materiels are not available for use, package the equipment in the following manner:

(b) Place each item within a plasic bag fabricated of materiel conforming to L-P-378. Wrap the item in cellulosic cushioning materiel comforming to PPP-C-843, type II, a minimum of 6 inches on all surfaces and secure the wrap with tape conforming to PPP-T-76. Place the cushioned item within a close fitting fiberboard box conforming to PPP-B-636, W5c, and seal all scams and joints with tape conforming to PPP-T-76.

(c) When individual components are being ship peal, the packaged item shall be overpacked within a close-fitting box,

d) When more than one item or set is being shipped, a quantity of the package items shall be overpacked within a close-fitting box.

(e) Substitute packaging materiels may be selected from those items listed in SB 38-100.

(4) *Shipment markings for return of warranty repair items.* The packed radio sets or individual items shall be addressed to the contractor marked as follows:

Bendix Corporation
Avionics Division
2100 N.W. 62nd Street
Ft. Lauderdale, Florida 33310
ATTN: CONUS Repair Service Administrator
Reliability Improvement Warranty
M/F: Contract DAAB-07-75-C-0853

h. Transportation.

(1) *The transportation costs for the shipments of failed equipment to the contractor's plant or repair facility are to be borne by the user or shipping activity.*

(2) Special procedures for activities returning defective equipment are as follows:

(a) Materiel will be shipped to the contractor's plant for repair and returned in accordance with those procedures contained in the equipment technical manual (TM), along with the documentation prescribed therein.

(b) Equipment returned to the contractor's plant will contain only those items covered under this contract and listed in *6a* above.

(c) All Army and other DOD activities returning AN/ARN-123(V) or R-1963/ARN components for warranty repair will complete a DD Form 1348-1 as required by AR 725-50 (Requisitioning, Receipt, and Issue System).

(d) All items are to be shipped by insured priority mail with return receipt requested. In addition to the priority mail markings the parcels should also be marked "Fourth Class Mail Enclosed". Authorization for the above exception to AR 340-3 has been granted for RIW items by Director, Postal Directorate, HQDA. The Authorization is contained in DAAG-MAP (1 Jul 77) 3rd Endorsement subject: Request for Exception to Permit the Use of Certified Mail and Return Receipts when Mailing MILSTRIP Parcels dated 11 April 1978. All failed units are to be shipped back to the contractor as soon as they are packaged and all accompanying documents are completed. All shipments must be insured up to the limit of their value or permissible maximum allowed by the USPS (not to exceed the shipment value).

(e) All materiel for repair and return is to be shipped to the address listed in *g(4)* above. The address is to be clearly identifiable on the outside of the shipping container and all accompanying shipping documents.

(f) Activities returning equipment for repair (RIW) shall also indicate their complete in-the-clear address where the equipment is to be shipped after repair. This in-the-clear address shall be included on DA Form 2407, b!ock 30. Failure to include the return address will delay equipment returns to users.

(g) All Air Frame Contractors and other authorized DOD commercial repair facilities returning

system components for warranty will *complete a DD Form 1149 as required by DOD 4160.21-M, Defense Disposal Manual* (formerly AR 755-20).

NOTE

Although shipment will be accomplished through use of one or the other documents listed above (DD Form 1348-1 or DD Form 1149), accountability for equipment returned for repair/replacement will be the responsibility of the USER (returnee) until receipt at the Contractor Repair Facility. Accountability will then be assumed by the Defense Contracting Administration Service Management Area (DCASMA) Administration Contracting Office (ACO), for contract DAABO07-75-C-0853.

(h) Distribution of DD Form 1348-1 or DD Form 1149 is as follows:

1. One copy accompanying the equipment returned to the contractor, addressed to:

Bendix Corporation
Avionics Division
2100 N.W. 62nd St.
Ft. Lauderdale, Fla. 33113
ATTN: CONCUS Repair Service Administrator

2. One copy to the DCASMA ACO, addressed to:

DCASMA
ATT: DCRA-GOCC-6
3555 Maguire Blvd.
Orlando, Fla. 32083

3. One copy addressed to:

CGUSACERCOM
ATTN: PCO CONTR DAAB07-75-C-0853
Fort Monmouth, NJ 07703

(i) If a radio receiver is lost or destroyed, procedures outlined in AR 710-3, Asset and Transaction Reporting System shall be used. Distribution specified in AR 710-3, for the DA Form 3906-R, a duplicate copy will be required to be forwarded for Loss Code l—Combat Loss, and Loss Code 4—Crash/Accident/Act of God to the following address:

Commander
US Army CERCOM
ATTN: DRSEL-MME-AN
Fort Monmouth, NJ 07703

NOTE

This copy is required by the National Inventory Control Point for warranty cost adjustment with the manufacturer.

(j) The equipment technical manuals TM 11-5826-258-24 for the AN/ARN-123(V) and TM 11-5826-257-24 for the R-1963/ARN contain the required tests to determine if the suspected item is unserviceable.

7. Queries: The Reliability Improvement Warranty (RIW) is a new approach for the repair and maintenance of an equipment within the Army inventory. Therefore, the referenced regulations and procedures outlined herein must be complied within order to assure effective and orderly equipment repair and return to users. Any queries concerning the general content of this bulletin (e.g., format) should be directed to the Commander, US Army CERCOM, Materiel Management Directorate, DRSEL-MMO-R, Fort Monmouth, NJ 07703. Specific queries concerning the Technical, Maintenance, Transportation, Supply and/or Warranty Reliability aspects of this program should be direct to those addressees listed below:

INFORMATION REQUIRED	*ADDRESS*
Technical	Commander US Army AVRADA ATTN: DAVAA-N Fort Monmouth, NJ 07703 Autovon 995-2623 Commercial (201) 544-2623
Maintenance	Commander US Army CERCOM Maintenance Directorate ATTN: DRSEL-ME-EW Fort Monmouth, NJ 07703 Autovon 992-2890
Transportation	Commander US Army CERCOM Materiel Management Directorate ATTN: DRSEL- MM-DD-T Fort Monmouth, NJ 07703 Autovon 992-2234
Supply	Commander US Army CERCOM Materiel Management Directorate ATTN: DRSEL- MME-AN Fort Monmouth, NJ 07703 Autovon 992-1626
Any other area regarding Reliability Improvement Warranties not specifically identified above	Commander US Army CERCOM ATTN: DAVVAA-P Fort Monmouth, NJ 07703 Autovon 995-2844

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

J. C. PENNINGTON
Major General, United States Army
The Adjutant General

Distribution:

ACTIVE ARMY, USAR, ARNG: To be distributed in accordance with DA Form 12-31, Operator Maintenance requirements for Section VI, all Fixed and all Rotor Wing Aircraft

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