

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

RETURN PROCEDURES UNDER INTERIM CONTRACTOR SUPPORT (ICS) DEPOT LEVEL FOR NAVIGATION SET, DOPPLER AN/ASN-137

Headquarters, Department of the Army, Washington, DC
15 September 1986

	<i>Paragraph</i>	<i>Page</i>
General	1	1
References	2	1
Background	3	2
Concept	4	2
Procedures	5	2
Shipping Documents	6	3
SF 368, Quality Deficiency Report	7	4
DA Form 4697, (Department of the Army Report of Survey)	8	4
Receipt, Return, Unpacking, Packaging and Packing	9	4
Shipment Marking	10	5
Transportation	11	5
Queries	12	5

1. General

a. Purpose. This supply bulletin (SB) provides the basic terms and conditions to be used when returning unscerviceable components covered under the provisions of Interim Contractor Support (ICS) Depot Level on contact DAABO7-84-C-F060. Also, it provides Army Field Commanders, DOD maintenance facilities and authorized contractor facilities involved with Army aircraft with the methods disposition, handling and accountability under the ICS referenced in paragraph 2a. Note that procedures set forth in this bulletin are in addition to those normal records and procedures required during the course of maintenance of components at each level of command.

b. Accountability. Accountability of components returned for repair/replacement of the lightweight Doppler Navigation Set AN/ASN-137 will be the responsibility of the user (returnee) until receipt at the contractor repair facility, at which time accountability will be assumed by the Defense Contracting Administration Services Region (DCASR) Administrative Contracting Officer (ACO) for contract DAAB-07-84-C-F060.

c. Comments Relating to this Publication. Any questions concerning the general content of this bulletin (c.g, format) should be directed to the Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-MME-ANR, Fort Monmouth, NJ 07703-5007. Specific questions concerning

the technical, maintenance, transportation, supply and/or interim contractor support aspects of this program will be directed to the appropriate addressee listed in paragraph 12.

2. References

a. Contact DAABO7-84-C-F060 with Singer Company, Kearfott Division. 1370 San Marcos Boulevard, San Marcos, CA 92069.

b. Component Technical Manuals:

(1) DEP TM 11-5841-293-12.

(2) DEP TM 11-5841-293-20P.

c. DA PAM 738-750-The Army Maintenance Management System (TAMMS).

d. AR 725-50-Requisitioning, Receipt and Issue System.

e. AR 735-1 1-Accounting for Loss, Damaged and Destroyed Property.

f. AR 702-7-Reporting of Product Quality Deficiencies Across Components Line.

g. AR 735-11-2-Reporting of Item and Packaging Discrepancies.

h. AR 340-3-Official Mail.

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

j. DOD 4160.21-M-Defense Disposal Manual.

3. Background

a. Navigation Set, Doppler AN/ASN-137 is a lightweight, low-cost, reliable airborne navigation system for the US Army's rotary wing aircraft. The AN/ASN-137, acting with external inputs from a magnetic-heading reference and attitude-stabilization data system, computes position data for navigation in latitude and longitude, and Universal Transverse Mercator (UTM) coordinator. It computes present position, bearing, time and distance to destination.

b. The components of AN/ASN-128 are as follows:

NSN	Nomenclature
5841-01-063-1919	Receiver-Transmitter Antenna, Radar RT-1193/ASN-128
5895-01498-6161	Converter/Computer, Signal Data CV-3669/ASN-137

c. The AN/ASN- 137 and all of its components, are being procured by CECOM from the manufacturer Singer Company, Kearfott Division. The ICS program provided for all maintenance at the (depot level to be performed by the contractor. This ICS program will provide Interim Contractor Support at the (depot level for the AN/ASN-137 system and components for a period of one year, with options for two one year periods. The Interim Contractor Support will remain in effect until the Army establishes depot support capability.

d. DURING THE LIFE OF THIS ICS, THERE WILL NOT BE ANY REPAIR OF ANY AN/ASN-137 COMPONENTS BY ARMY MAINTENANCE ACTIVITIES, (DIRECT SUPPORT, GENERAL SUPPORT, DEPOT), OR BY ANY FACILITIES OTHER THAN THOSE OF THE MANUFACTURER.

e. Navigation Set, Doppler AN/ASN-137 will be procured by AVSCOM and be installed during production or retrofit of the following aircraft.

OH-58D KIOWA
AH-64 APACHE

4. Concept.

a. Components furnished under this ICS will be free from defects in materiel, quality of work, and design and will operate in their intended environment in accordance with the specification of the contract. THE COMPONENTS WILL CONTAIN APPROPRIATE SEALS WHICH WILL NOT BE BROKEN OR TAMPERED WITH IN ORDER TO COMPLY WITH INTERIM CONTRACTOR SUPPORT DEPOT LEVEL CONDITIONS OF THE CONTRACT. Note that all components returned for repair to the contractor will undergo a joint inspection at the contractor's plant by both a government and contractor representative.

b. Interim Contractor Support (ICS) contract terms contain monetary penalty conditions involving the return of LDNS components found to be operating satisfactorily by the contractor and Government Product Assurance personnel upon inspection at the plant. Maintenance

activities will therefore follow the applicable procedures involving the tests prescribed in DEP TM 11-5841-293-12 at the respective support categories to assure that a component is not functioning as required before returning the component for replacement/repair. Using units will ensure that, before return of components for Interim Contractor Support, all prescribed tests are performed to verify that an unserviceable component exists.

c. The Interim Contractor Maintenance philosophy uses a direct interface between the user's maintenance organization, i.e., usually the direct support unit or aviation intermediate maintenance (AVIM) and the components manufacturer's repair facility. This means that the user's maintenance organization receives, processes and returns the failed component to the manufacturer. Shipment of the replacement/repared component will be made to the evacuating maintenance activity. Multiple handling of serviceable/unserviceable components between intermediate organizations will be avoided to eliminate long handling and processing times.

d. Interim Contractor Support (ICS) depot level effectiveness is based upon quick processing of failed components to and from the contractor's repair facilities.

5. Procedures

a. *Interim Contractor Support (ICS) depot level.* Components authorized for repair under contract DAAB07-84-C-F060 are identified as follows:

NSN	NOMENCLATURE
5841-01-063-1919	Receiver-Transmitter Antenna, Radar RT-1193/ASN-128
5895-01-099-6161	Converter-Computer, Signal Data CV-3669/ASN-137

b. *Materiel Flow.*

(1) An Interim Contractor Support (ICS) flow diagram for the components of the lightweight Doppler Navigation Set AN/ASN-137 is shown in figure 1.

(2) Components requiring repair will be returned by air parcel post directly to the contractor addressed and marked as follows:

Singer Company, Kearfott Division
1370 San Marcos Boulevard
San Marcos, CA 92069
ATTN: Repair Service Administrator
Interim Contractor - AN/ASN-137

NOTE

Using activities will not requisition replacements for those components returned for repair under the AN/ASN- 137 ICS program, Replacement or repaired components will be furnished through the ICS materiel flow (fig. 1).

c. All activities that return any AN/ASN-137 component for ICS repair are required to prepare a message, electrical, which must contain the following minimal information to assure expedited replacement/return of the unserviceable Doppler component. See figure 2 for typical example.

(1) Type number and nomenclature of defective component.

(2) Serial number of the component.

(3) NSN.

(4) Aircraft type and tail number from which removed (if applicable).

(5) Built-in test equipment (BITE) code which indicated failure as contained in DEP TM 11-5841-293-12 (include all ALPHA and numeric CDU digits).

(6) Date failure occurred.

(7) Date failed unit was shipped.

(8) Mode of transportation for returned component and the Post Office Registration/Certification/insured mail control number assigned to the package in/by which component is being returned.

(9) Document number assigned the DD Form 1348-1 (DOD Single Line Item Release/Receipt Document) or DD Form 1149 (Requisition and Invoice/Shipping). (DD Form 1348-1 is used by Army field/DOD activities; DD Form 1149 is used by Air Frame contractors).

(10) Control Number on DA Form 2407, (Maintenance Request).

(11) The in-the-clear address to which the replacmct/repaird component is to be returned.

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 can be shipped.

d. Message will be sent to:
619-480-5555 SKD, San Marcos, CA//REP SERV
ADM ICS AN/ASN-//.

e. Information copies to:

(1) CDRUSACECOM, Ft. Monmouth, NJ//AMSEL-
MME-AN//.

(2) 619-480-5555 SKD, San Marcos, CA//DCASD
REP//.

(3) CDRAVRADA, Ft. Monmouth, NJ//SAVAA-
M//.

f. All activities returning any AN/ASN-137 component for contractor support repair will complete the following blocks of DA Form 2407, Maintenance Request as shown in figure 3.

(1) Block 1 through 15- complete as prescribed in DA PAM 738-750.

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

(a) Date the component became inoperable.

(b) BITE code brief opinion as to the cause of the failure. Also annotate the appropriate failure codes (DA Form 2407) which relate to the cause of the failure.

(c) Indicate aircraft type and tail number in which failure occurred/or other.

(d) From the flying hour log extract the flying hours at the time of AN/ASN-137 installation, and the flying hours at the time of component removal.

(3) Block 20-Enter the complete in-the-clear address where the component is to be shipped after repair.

g. DA Form 2407 distribution shall be as follows:

(1) Receipt Copy No. 1: Place with the failed component being returned to the contractor for ICS repair.

(2) NMP Copy No. 2: Mail to the following address:

Commander

USACECOM

ATTN: AMSEL-ME-EW

Fort Monmouth, NJ 07703-5007

(3) All other copies (No. 3, No. 4, and No. 5) will be disposed of all prescribed by the local command.

6. Shipping Documents.

a. All Army and other DOD activities returning AN/ASN-137 components for contract support repair will complete a DD Form 1348-1 as required by AR 725-50 (Requisitioning, Receipt, and Issue System).

b. All Air Frame Contractors and other authorized DOD comercial repair facilities returning Doppler components for contractor support repair 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 components returned for repair/replacement will be the responsibility of the user (returnee) until receipt at the Contractor Repair Facility, at which time accountability will be assumed by the Defense Contracting Administration Services Region (DCASR) Administrative Contracting Officer (ACO), for contract DAAB07-84-C-F060.

c. Distribution of the DD Form 1348-1 or DD Form 1149 is as follows:

(1) One copy will accompany the component returned to the contractor, and be addressed to:

Singer Company, Kearfott Division
1370 San Marcos Boulevard
San Marcos, CA 92069

ATTN: Repair Services Administrator, ICS-AN/ASN-137

(2) One copy to the DCASD ACO, addressed to:

Commander
DCASD San Diego
BLDG No. 4 AF Plant No. 19
4297 Pacific Hwy
San Diego, CA 92110

(3) One copy to the CDRUSACECOM, Ft. Monmouth, NJ 07703-5007, ATTN: AMSEL-MME-AN.

(4) One copy to CDRAVRAD, Ft. Monmouth, NJ 07703-5401, ATTN: SAVAA-M.

7. SF 368, (Quality Deficiency Report)

When a failure or installation/removal occurs at an Army Depot, specialized repair activity, or prime contractor supplied with Government Furnished Avionics Equipment (GFAE) that is under contractor support, SF 368 will be processed. When SF 368 is used, it will be submitted instead of DA Form 2407.

a. Complete SF 368 in accordance with DSA Ref No. 4155.24 (AR 702-7), Reporting of Product Quality Deficiencies Across Component Lines.

b. Mandatory entries required.

(1) Item 19-Yes block.

(2) Item 21-Returned for investigation.

(3) Item 22- In addition to the details describing the problem and removal/installation for any reason, the following statement must be included in block 22 "FOR INFORMATION ONLY-INTERIM CONTRACTOR SUPPORT".

c. Attach one copy to the component being returned to the manufacturer. If removal/installation is for any reason other than inoperability, SF 368 should be completed as noted and mailed to the manufacturer.

d. Failed components will be returned immediately to the manufacturer by the fastest traceable means possible. Air Parcel Post, insured, or returned receipt requested by authorized IAW AR 340-3.

NOTE

DO NOT hold failed components pending receipt of disposition instructions from the Product Assurance Directorate USACECOM.

8. DA Form 4697 - (Department of the Army Report of Survey).

DA Form 4697 is required only in the case of inventory loss reporting. If a component is lost or destroyed, the procedures outlined in AR 735-11, Accounting for Loss, Damaged and Destroyed Property, will be complied with by completing DA Form 4697. In addition to the normal distribution specified in AR 735-11, for DA Form 4697, a duplicate copy will be required for Loss Code 1- Combat Loss, Loss Code 3- Pilferage/Theft/Storage and Loss Code 4 - Crash/Accident/Act of God, and forwarded to the following address:

Commander
USACECOM
ATTN: AMSEL-MME-AN
Ft Monmouth, NJ 07703-5007

This copy is required by the National Inventory Control Point for contractor support cost adjustment with the manufacturer for all AN/ASN-137 components lost or destroyed.

9. Receipt, Return, Unpacking, Packaging and Packing.

a. *Packaging and Unpacking.*

(1) *Packaging data.* The components of the doppler navigational system are individually packaged in separate weather-resistant, corrugated fiberboard cartons with all seams and joints sealed with water-resistant, pressure-sensitive tape. Each component is enclosed within a plastic bag and cushioned within the carton with preformed cushioning material. The packaging diagram for the Doppler Navigation Set AN/ASN-137 is shown in figure 5 and 6. The dimensions of the components are provide in figure 4.

(2) *Unpacking instructions.* Open the carton; be careful when removing the components so as not to damage the components or destroy the carton, plastic bag, or the internal dunnage. DO NOT dispose of the packaging materials,

RT -1193/ASN-128, Receiver-Transmitter-Antenna, Radar.

CV-3669/ASN-137, Converter-Computer, Signal Data.

b. *Inspection of the Unpacked Component.*

(1) Inspect the component for damage that may have occurred during shipment. If the component has been damaged, or packaging deficiencies are discovered, fill out and forward SF 364 (Report of Discrepancies (AR 735-11-2)).

(2) The receiving activity will verify that the component is complete as listed on the packing list furnished by manufacturer. If the packing list is not

available, verify the shipment against the components listed in figure 4.

c. *Repackaging.* Repackage the component using the illustrations in figure 4, 6 and 7 as follows:

(1) Place the component in the plastic bag and position it within the recesses of the carton as shown in the illustration. Replace the preformed cushioning. Ensure that both the component and the cushioning are properly positioned in the carton. Close the carton flaps and seal all seams and joints with water-resistant tape.

(2) If the original packaging materials are not available for use, place each component within a plastic bag fabricated of material conforming to L-P-378. Cushion the component on all surfaces (a minimum of 6 inch thickness) with uncompressed bound fiber, type II, Class A, of PPP-C-1120, NSN 8135-00-985-7313. Place the cushioned component within a close-fitting fiberboard carton conforming the PPP-B-636, V3C and seal all seams and joints with tape conforming to PPP-T-60, NSN 7510-00-266-5016. When more than one component is being shipped, the shipping activity may place a quantity of packaged components within a close-fitting container.

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

10. Shipment Marking.

The packed AN/ASN-137 component will be addressed as follows:

Singer Company, Kearfott Division
1370 San Marcos Boulevard
San Marcos, CA 92069

ATTN: Repair Services Administrator ICS-AN/ASN-137

11. Transportation.

a. The transportation costs for the shipment of components to the contractor's plant or repair facility are paid by the user or shipping activity.

b. Special procedures for activities returning defective components are as follows:

(1) Components will be shipped to the contractor's plant for repair/replacement in accordance with those procedures in DEP TM 11-5841-293-12, AR 725-50, and DOD 4160.21-M, along with the documentation prescribed in paragraph 5c.

(2) Components returned to the contractor's plant will be only those components covered under this contract and listed in paragraph 1.

(3) All components will be shipped by Air Parcel Post, Priority mail, insured; (return receipt requested is recommended) in accordance with AR 340-3. All failed components are to be shipped 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 carrier (not to exceed the shipment value).

(4) All components returned for repair will be shipped to the address listed in 5b(2).

(5) Activities returning components for replacement/repair through ICS will indicate their complete in-the-clear address on DA Form 2407, block 20. Failure to include the return address will delay the return of components to using activities.

12. Queries.

The ICS is a new approach for the repair and maintenance of equipment within the Army inventories; therefore, the referenced regulations and procedures outlined herein will be complied with to maintain accountability and ensure effective and orderly component repair and return to users. Questions concerning this ICS program will be addressed to the speciality area as noted below. Additionally, information copies of all correspondence will be provided to the technical address below.

<i>Information required</i>	<i>Address</i>
Technical	Commander US Army AVRADA ATTN: SAVAA-M Ft. Monmouth NJ 07703-5401 AV 995-4369
Maintenance	Commander US Army Communications Electronics Command and Fort Monmouth ATTN: AMSEL-ME EW Ft Monmouth, NJ 07703-5007 AV 992-3151
Transportation	Commander US Army Communications- Electronics Command and Fort Monmouth ATTN: AMSEL-MMD-DT Ft Monmouth, NJ 07703-5007 AV 992-2234
supply	commander US Army Communications- Electronics Command and Fort Monmouth ATTN: AMSEL-MME-AN Ft Monmouth, NJ 07703-5007 AV 992-4791
Any other areas regarding Interim Contractor Support (ICS) depot level not specifically identified above.	Commander US Army Communications- Electronics Command and Fort Monmouth ATTN: AMSEL-PA-C Fort Monmouth, NJ 07703-5007 AV 992-4363

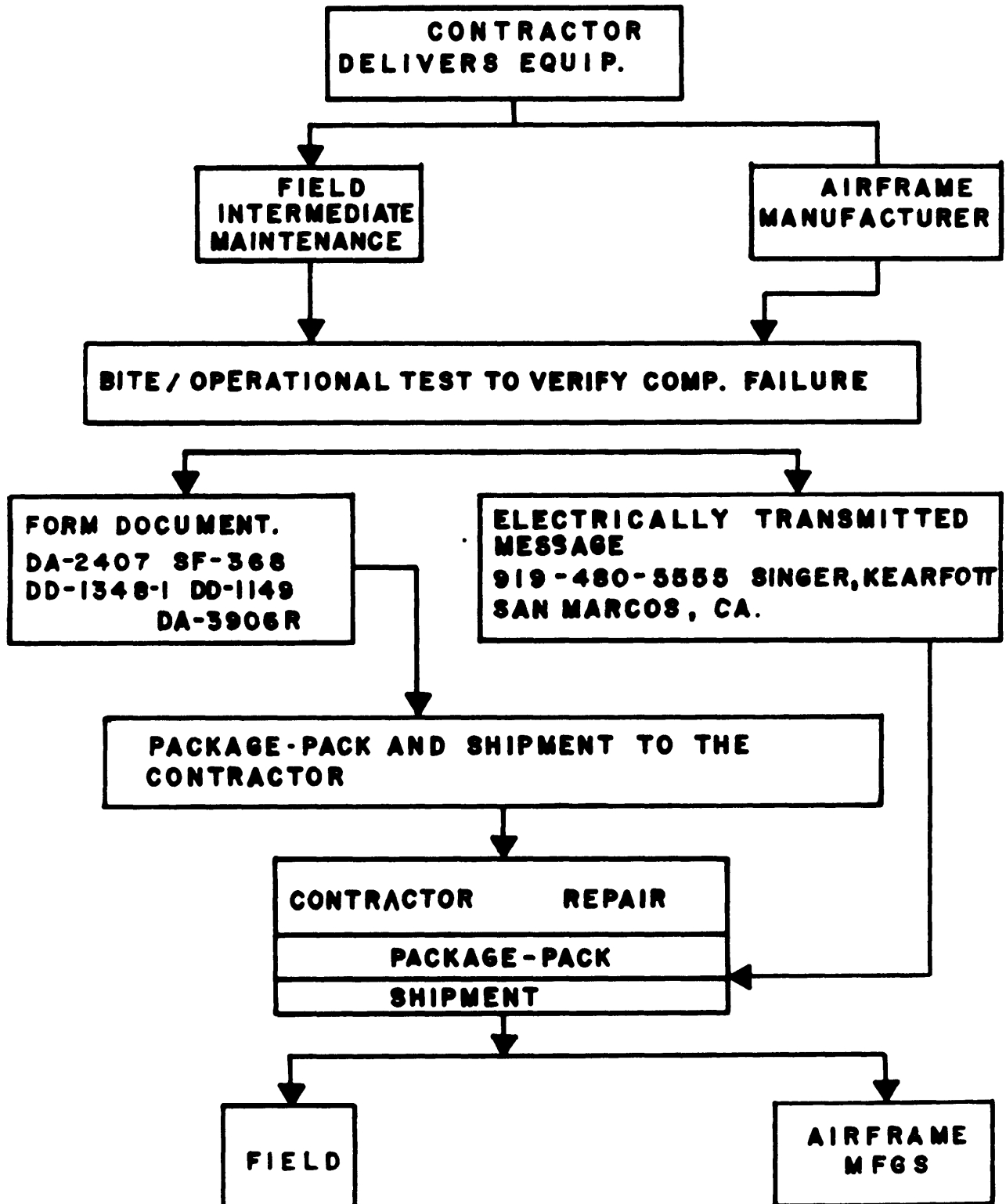


Figure 1. Repair Flow for the AN/ASN-137 Doppler Navigation Set

SB 11-6S3

FROM: I I AVN BN HANAU GER //_____//

TO: 910-480-5555 SKD SAN MARCOS CA // REP SERV ADM
AN/ASN-137

INFO CDR AVRADA FT MON MOUTH NJ // SAVAA-M // SAVAA-S ILS //

919 480 5555 SKD, SAN MARCOS CA // ATTN: DCASD REP //

UNCLAS

SUBJ: NOTICE OF LDNS AN/ASN-137 FAILURE CONTR DAAB07-84-C-
F060 REQUEST REPLACEMENT OR REPAIR OF FOLG AN /ASM-137 COMPONENT

1. CV-3669/ASN-137, CONVERTER, COMPUTER, SIGNAL DATA
2. S. N. 12
3. NSN 5895-01-099-6161
4. OH-58D, 753456
5. BITE BUR 2000 (CDU DISPLAY CODE)
6. 21 JUL 85
7. 24 JUL 85
8. P. P. INSURED RETURN RECPT NO. 289
9. WK4K6A 205 0001
10. DA-2407 CONTROL CNO. 125045
11. II AVN BN APO NEW YORK 01965

Figure 2. Sample Electrically Transmitted Message

MAINTENANCE REQUEST					PAGE NO.	NO. OF PAGES	EQUIPMENT CONTROL SYMBOL			
For use of this form, see TM 38-750; the proponent agency is DCSLOG.							CSG/D 1047R1			
SECTION I - EQUIPMENT DATA										
CONTROL NUMBER 650044		WORK ORDER NUMBER W31398-010		WESDC	PRG PD 03	PD AUTHENTICATION <i>B. Onstead, MAJ.</i>				
<input type="checkbox"/> WORK REQUEST <input type="checkbox"/> MWO <input type="checkbox"/> WARRANTY CLAIM		1. ORGANIZATION E Co. 227th AVN BN			2. LOCATION FORT HOOD, TEXAS 76545			3. UNIT IDENT CODE WH6BEO		
4. SERIAL NO. 213A		5. NOUN NOMENCLATURE RCVR-XMTR		6. LINE NO.	7. MODEL RT-1193, ASN-128		8. NATIONAL STOCK NUMBER 5841-01-063-1919			
9. MAINTENANCE ACTIVITY		a. LEVEL	b. UTILIZATION CODE ON	c. MCSR ITEM	d. ERC	e. PACING ITEM	f. HOURS 50	g. MILES	h. ROUNDS	i. STARTS
14. FAILURE DETECTED DURING (Select one - use ✓ or X) <input type="checkbox"/> A Scheduled Maintenance <input type="checkbox"/> B Handling <input type="checkbox"/> C Test <input type="checkbox"/> D Normal Op <input type="checkbox"/> E Storage <input type="checkbox"/> F Inspection <input type="checkbox"/> G Flight <input type="checkbox"/> H Other					15. FIRST INDICATION OF TROUBLE (Select one - use ✓ or X) <input type="checkbox"/> 068 Inoperative <input type="checkbox"/> 099 Malty <input type="checkbox"/> 238 Overheating <input type="checkbox"/> 337 Low Performance <input type="checkbox"/> 790 Out of Adjustment <input type="checkbox"/> Other					
16. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT YN (Do not prescribe repairs) DATE ITEM FAILED (4244) BITE CODE (TEST MODE) MN 200000 FAILED IN FLIGHT. MALF. LIGHT INDICATION. TURNED TO TEST MODE INDICATION AS ABOVE. RECYCLED SYSTEM FAILURE CODE REMAINED - AH-1S 750032 FLYING HOURS.										
16j. REMARKS INSTALLATION - 1805 HRS REMOVAL - 2310 HRS <i>Jerome Syhunsky</i> MSG USA										
SECTION II - WORK ACCOMPLISHED										
17a. REPAIR ORGANIZATION/ACTIVITY			c. UNIT IDENT CODE		18. TYPE ORGANIZATION/ACTIVITY AC-COMPLISHING WORK (Select one - use ✓ or X) <input type="checkbox"/> 1 TOE <input type="checkbox"/> 2 TD <input checked="" type="checkbox"/> 3 CONTRACTOR			19. AMS ACCOUNT CODE		
b. LOCATION										
20. ACT CODE	FAILURE CODE	c. COMPONENT/PART NOUN, SVC, OR RWO NO. j. CB CODE e. REF DESIGNATOR f. MFR CODE COMMANDER E CO., 227TH AVN BN 1ST CAV DIV ATTN: AVIONICS FORT HOOD, TEXAS 76545			MANHOURS (hrs & tenths) g	NATIONAL STOCK NUMBER h	PART SOURCE CODE	QTY i	PARTS COST j	
				k. TOTAL MANHOURS	l. TOTAL MANHOURS COST \$		m. TOTAL PARTS COST \$			
21. DELAY (Select one) <input type="checkbox"/> Parts <input checked="" type="checkbox"/> Manpower <input type="checkbox"/> Facilities <input type="checkbox"/> Funds <input type="checkbox"/> Tools					22. DATA TRANSCRIBED					
23. SUBMITTED BY		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		
JULIAN DATE 4244		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		
28. DISPOSITION (Select one) <input type="checkbox"/> A To User <input type="checkbox"/> B To Stock <input type="checkbox"/> C Salvaged <input type="checkbox"/> D Evacuated <input type="checkbox"/> E Cannibalization										

SAMPLE COPY

Figure 3. Sample DA Form 2407

DOPPLER NAVIGATION SYSTEM AN/ASN-128()

UNIT PACKING
DATA

SB 11-653

COMPONENT	ITEM NET DIM (IN)	CARTON SIZE (IN) (ID)	VOLUME (CU FT)	WEIGHT (LB)
RECEIVER - TRANSMITTER- ANTENNA RT-1193/ASN-128() NSN: 5841-01-063-1919	14-1/2 x 13-3/8 x 5-1/4	22 x 20-1/2 x 15	2.86	20.50
COMPUTER DISPLAY UNIT CP-1252/ASN/128() NSN: 5841-01-063-1918	7-7/8 x 5-3/4 x 6	15 x 13 x 16	1.93	11.50
SIGNAL DATA CONVERTER CV-3338/ASN-128() NSN: 5841-01-064-1841	10-1/2 x 7-5/8 x 7-1/2	17-3/4 x 15 x 17-1/2	4.14	19.75

NOTE:

THE PACKING DATA IS BASED ON EXTERIOR DIMENSIONS OF THE FIBERBOARD BOXES AND THE GROSS WEIGHT OF THE CONTAINERS WITH CONTENTS.

Figure 4. Packaging Data

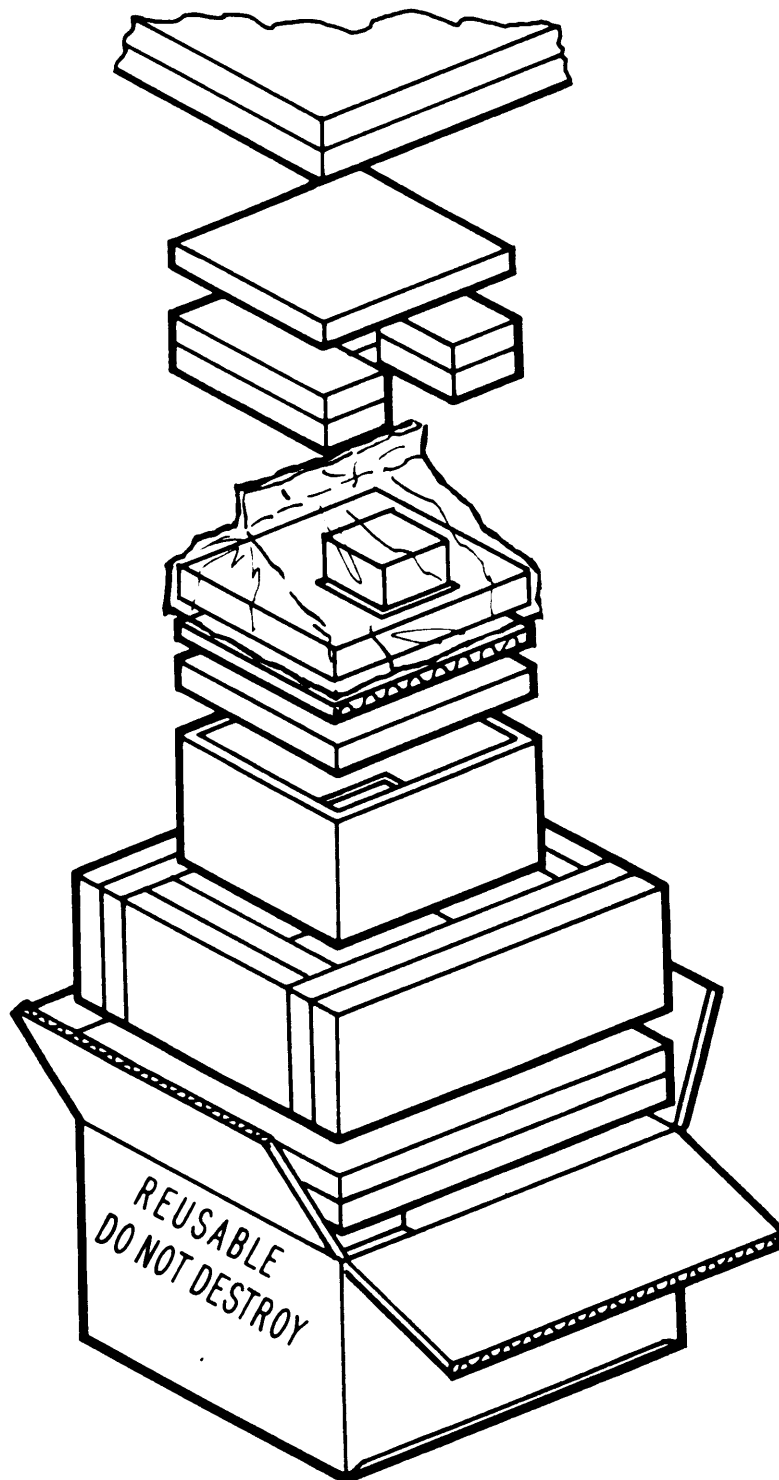


Figure 5. Receiver-Transmitter Antenna RT-1193/ASN-128

SB 11-653

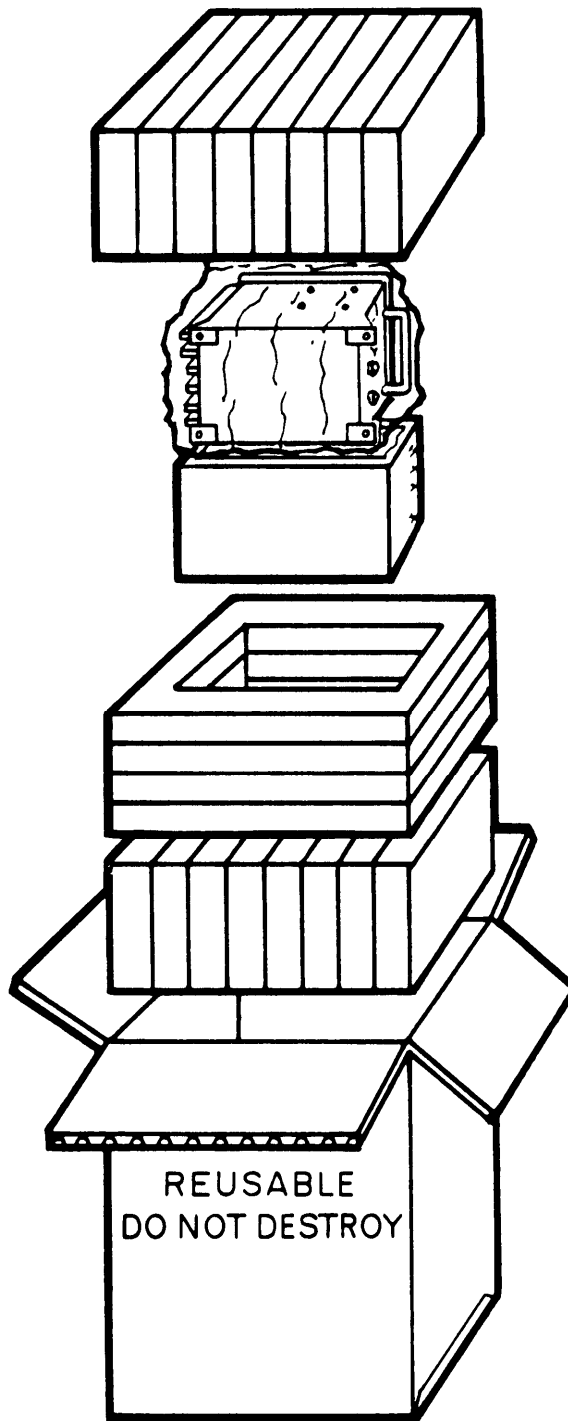


Figure 6. Converter-Computer Signal Data CV-3669/ASN-137

By Order of the Secretary of the Army:

Official:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

R.L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION :

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