# HAND RECEIPT MANUAL COVERING THE END ITEM/COMPONENTS OF END ITEM (COEI), BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AAL)

RELATED TO:

#### **RADAR SETS**

AN/PPS-5 (NSN 5840-00-168-1567) AN/PPS-5A (NSN 5840-00-238-9366) AN/PPS-5B (NSN 5840-01-009-4939)

AIRBORNE INSTRUMENT LAB.
DIVISION OF CUTLER-HAMMER INC.

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HEADQUARTERS, DEPARTMENT OF THE ARMY 5 December 1978

HAND RECEIPT MANUAL NO. 11-5840-298-12-HR

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 5 December 1978

# HAND RECEIPT MANUAL COVERING END ITEM/COMPONENTS OF END ITEM (COEI), BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AAL)

**FOR** 

RADAR SETS

AN-PPS-5 (NSN 5840-00-168-1567)

AN/PPS-5A (NSN 5840-00-238-9366)

AN/PPS-5B (NSN 5840-01-009-4939)

#### REPORTING OF ERRORS

You can improve this manual be recommending improvements using DA Form 2028-2 located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Form 2028-2 in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

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

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II.	Hand Receipt	3
	Radar Set AN/PPS-5	
	Radar Set AN/PPS-5A	
	Radar Set AN/PPS-5B	

#### Section I. INTRODUCTION

#### 1. Scope

This Hand Receipt Manual provides a listing on a preprinted DA Form 2062 (Hand Receipt) of accountable End Items/COEI, BII, and AAL items related to Radar Sets AN/PPS-5, AN/PPS-5A, and AN/PPS-5B.

#### 2. General

Section II of this manual is an overprinted DA Form 2062 consisting of a listing of The End Item/Components of End Items (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items extracted from the TM 11-5840-298-12.

The listings consist of exactly the same items and are in the same sequence as the End Item/COEI, BII, and AAL listings in the operator's manual. The overprinted DA Form 2062 will aid the property accountability officers in preparation of hand receipts referred by AR 710-2. Local reproduction of the overprinted DA Form 2062 will aid the property accountability officers in preparation of hand receipts referred by AR 710-2. Local reproduction of the overprinted DA Form 2062 is authorized. Extra copies of the HR Manual is available through:

Commander US Army AG Publications Center ATTN: AGDL-OD 1655 Woodson Road St. Louis, MO 63114

#### 3. Explanation of Blocks and Columns

- a. FROM. Enter the organization for which the property book is maintained.
- b. TO. Enter the (UIC) and the hand receipt file number of the unit/personnel receiving the property.

- c. CATALOG NO. Contains the technical manual (TM) number of the operator's manual.
  - d. CURR OF ALW. Not applicable.
  - e. ITEM. Contains end item short title.
- f. STOCK NO. National stock number of the item described.
- g. ITEM DESCRIPTION. Identifies the item contained in the COEI, BII, and AAL. Contains nomenclature, and serial/USA number (if applicable) that will be useful in identifying and controlling the item. Serial number to be inserted and initialed on all copies by the hand receipt holder.
- h. T'(a). Quantity of each item as listed in the COEI, BII, and AAL.
  - i.  $C^2(t)$ . Leave blank.

#### j. BALANCE.

- (1) *I*. Enter the total quantity possessed by the receiving unit/personnel for each item listed. All quantity totals will be advanced to the next balance column on any item changes, annotated "adjusted," dated, and signed by the individual receiving the property.
- (2) 2. The individual receiving property will sign and date the appropriate balance column on the bottom of the last page below a drawn line. When an inventory is taken, the column will be annotated "Per inventory."
  - (3) 3 through 12. Same as (2) above.
- k. PAGE NO./NO. OF PAGES. Contains page number and total pages for the COEI, BII, and AAL portions of the hand receipt. Hand receipt holder initial each page no. (only when two or more forms are involved). When hand receipt holders change, the old initials will be lined out and new hand receipt holder will initial each page.

#### Section II. HAND RECEIPT

Following is hand receipt for Radar Set AN/PPS-5, AN/PPS-5A, and AN/PPS-B.

	HAND RECEIPT/ANNEX NO.	PR	OM:						1	D:					
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Following last item, s inventory, etc.) produ	tate in each balance column the type of action (e.g. issue, turn-in, cing this balance, date of action, and signature.		ALOG		-298		CURR	OF AL		-	SE1	r an	/PPS	-5	
STOCK No	END ITEM/COMPONENTS OF END ITEM (COEI)	2	65	_	Τ.				BAL	ANCE	T .	r .	10		12
5849-00-973-1131	Radar Receiver-Transmitter, RT-692/PPS-5	1		Ĺ		Ė					Ľ			••	
	consisting of:	<u> </u>													
5840-90-929-0887	Antenna Drive Unit, AB-992/PPS-5	1													
5840-00-089-4407	Antenna Drive Cover (Serial Numbers 1-226)	1													
5840-00-156-4371	Antenna Drive Cover (Serial Numbers 227 and	1													
	up)														
5840-00-929-0883	Radar Control Indicator, C-4610/PPS-5 which	1													
	includes:														
5840-00-937-91 <b>04</b>	Viewing Hood	1													
5840-00-937-9209	Remote Control Stand	1													
5840-00 <b>-08</b> 9-2276	Cover	1													
5840-00-929-0886	Antenna, AS-1394/PPS-5 consisting of:	1													
5840-00-973-1097	Antenna Reflector, AS-2023/PPS-5	2													
5840-00-929-3 <b>58</b> 5	Waveguide Horn, AS-2024/PPS-5	1													
5840-00-929-0884	Radar Tripod, MT-2958/PPS-5	1													
	T - Total allowance for Hand Receipts (a) Authorized per item for Hand Receipt C - Current operating allowance for Hand Receipts (1) Total authorized for Han			M 141								E NO	]	3	

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5840-00-92 <b>9-088</b> 2	Tripod Column Assembly, MT-7565/PPS-5	1						<b> </b>		<u> </u>	<u> </u>	ļ			<b> </b>
5840-00-937-9168	Telescope	1		<u> </u>					_					<u> </u>	
5965-00-116-5365	Electrical Headset, H-226A/PPS-5	1	L	ļ					_						
5995-00-144-0002	Cable Assembly, Special Purpose Electrical	1													
	(50 Feet), XC-12004/PPS-5				<u> </u>										
5840-00-973-1133	Power Supply, PP-4450/PPS-5 or PP-4450A/PPS-5	1				<u> </u>					ļ	ļ			
5840-00-929-0885	Battery Box, CY-3871/PPS-5	2													
	BASIC ISSUE ITEMS														
5840-00-937-9105	Carrying Pack for Receiver-Transmitter	1						_							
5840-00-937-9106	Carrying Pack for Control-Indicator	1													
5840-00-937-9086	Carrying Strap for Battery Box	2													
5 31 5 - 00 - 8 32 - 6 7 8 5	Ground Pins	3						<u> </u>				<u> </u>	_		
1280-00-819-6624	Storage Bracket, Telescope	1									L	<u> </u>			
5840-00-937-9169	Carrying Pack for Antenna Reflector, Column,	1									L.				
	and Tripod														
5840-00-453-5663	Radar Set Case CY-3872/PPS-5	1													
	Technical Manual TM 11-5840-298-12	2													
	T - Total allowance for Hand Receipte. (a) Authorized per item for Hand Receipt C - Current operating allowance for Hand Receipts. (1) Total authorized for Hand	Ann	206. Let A-				•				PAG	E No		2	

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·	ADDITIONAL AUTHORIZATION LIST				Ė				Ť					••	-
6140-00-9.8-1913	Battery, Storage, BB-622/PPS-5 (P/O BB-643/PPS-	) 2													
6130-00-926-1942	Charger, Battery, PP-412770	1				·									
	<u>NOTE</u>														
	one of the following items may be														
	used with Power Supply FF-5450/FFS-5														
	to supply primary power to the														
	Radar Set.														
6140-00-789-2118	Battery, Storage Bb-922/U	l													
6140-00-057-2554	Battery, Storage BB-248/U (2 connected in	2													
	series)														
6140-00-057-2553	Battery, Storage BB-249/U (2 connected in	2													
	series)														
6130-00-985-7899	Power Supply, PP-2953	l													
6115-00-889-1212	Generator Set, PU-532/PPS	1													
	T - Total allowance for Hand Receipts. (a) Authorized per tirm for Hand Receipt. C - Current operating allowance for Hand Receipts. (1) Total authorized for Han										7.00	E No	3 AGES		

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5840-01-010-5113	Radar Receiver-Transmitter RT-965B/PPS-5A	1													
	consisting of:														
5840-00-247-0178	Antenna Drive Unit, AB-992A/PPS-5	1													
5840-00-450-3592	Antenna Drive Cover	1													
5840-00-601-1414	Radar Control-Indicator C-4610A/PPS-5 which	1													
	includes:														
5840-00-937-9104	Viewing Hood	1													
5840-00-937-9209	Remote Control Stand	1					<u> </u>							 	
5840-00-089-2276	Cover .	1						<u> </u>							
5840-00-247-0179	Antenna AS-2412/PPS-5A consisting of:	ı													
5840-00-973-1097	Antenna Reflector, AS-2023/PS-5	2					<u> </u>	<u> </u>	<u> </u>						
5840-00-248-1181	Waveguide Horn, AS-2413/PPS-5	1													
5840-00-248-1182	Radar Tripod, MT-2958A/PPS-5	1													
5840-00-248-1183	Tripod Column Assembly, MX-7565A/PPS-5A	1													
5840-00-937-9168	Telescope	1													
	T - Total allowance for Hand Receipts. [a] Authorized per item for Hand Receipts. [c] Total authorized for Ma											E No	AGES	3	

### PROCESS   Flectrical Headset, H=251/U   2   3   3   3   3   3   3   3   3   3						BAL	ANCE					
Cable Assembly, Special Purpose Electrical   1	•	<b>├</b> ≗	•	-	•	<u>  •</u>	'	<b>!</b> •	•	10	"	12
(50 Feet) CX-12004/PPS-5  (5840-00-248-1134 Power Supply PP-4450B/PPS-5  (5995-00-460-3035 Cable Assembly, Special Purpose Electrical, Branched CX-12068/PPS-5A  (5840-00-450-3558 Boresight Assembly		1	<u> </u>	ļ	ļ		1	<u> </u>	ļ	<u> </u>	<b> </b>	_
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Branched CX-12068/PPS-5A  Boresight Assembly  Battery Box, CY-3871/PPS-5  BASIC ISSUE ITEMS  Carrying Pack for Receiver-Transmitter  Carrying Pack for Control-indicator  Carrying Strap for Battery Box  Carrying Strap for Battery Box  Carrying Bracket, Telescope  Radar Set Adapter Mount  Carrying Pack for Antenna Reflector, Column  and Tripod  I and Tripod		1_				<u> </u>	_	<u> </u>	<u> </u>	_	<u> </u>	_
0840-00-450-3558       Boresight Assembly       1         0840-00-929-0885       Battery Box, CY-3871/PPS-5       4         0840-00-937-9105       Carrying Pack for Receiver-Transmitter       1         0840-00-937-9106       Carrying Pack for Control-Indicator.       1         0840-00-937-9086       Carrying Strap for Battery Box       4         0840-00-832-6785       Ground Pins       3         0840-01-038-2175       Radar Set Adapter Mount       1         0840-01-77-3573       Carrying Pack for Antenna Reflector, Column       1         and Tripod       -       -		1_	_	_		_	<u> </u>	<u> </u>	<u> </u>	_	_	_
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5840-00-937-9106       Carrying Pack for Control-Indicator.       1         5840-00-937-9086       Carrying Strap for Battery Box       4         5315-00-832-6785       Ground Pins       3         1280-00-819-6624       Storage Bracket, Telescope       1         5840-01-038-2175       Radar Set Adapter Mount       1         5840-00-17/-3573       Carrying Pack for Antenna Reflector, Column       1         and Tripod       -										1_	_	_
5840-00-937-9086       Carrying Strap for Battery Box       4         5315-00-832-6785       Ground Pins       3         1280-00-819-6624       Storage Bracket, Telescope       1         5840-01-038-2175       Radar Set Adapter Mount       1         5840-00-17/-3573       Carrying Pack for Antenna Reflector, Column       1         and Tripod       -											_	
1   1280-00-832-6785   Ground Pins   3   3   3   3   3   3   3   3   3										_	_	
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5840-01-038-2175 Radar Set Adapter Mount 1 5840-00-17/-3573 Carrying Pack for Antenna Reflector, Column 1 and Tripod						Ŀ	1		_	1_	1_	1_
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5840-00-453-5663 Radar Set Case, CY-3872/PPS-5A I												
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	Charger, Battery, PP-4127/U	1					]								
	NOTE					T									
	One of the following items may be				T.	T									
	used with Power Supply PP-4450/					T	1								
	PPS-5 to supply primary power to					T									
	the Radar Set.					T									
6140-00-789-2118	Battery, Storage, BB-422/U	1													
0140-00-057-2554	Battery, Storage, BB-248/U (2 connected in	2					1								
·	series)	1													
6140-00-057-2553	Battery, Storage, BB-249/U (2 connected in	2		1	1										
	series)				T										
G130-00-985-7899	Power Supply, PP-2953	1													
(415-90-889-1212	Generator Set, PU-532/PPS	1					1								
	T - Total allowance for Hand Receipts (a) Authorized per Hem for Hand Recei	pt Ann	e 200.									OF P	3	3	

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		Book Books at Ash and an income to Stand Books		<u></u>	1_			ــــــــــــــــــــــــــــــــــــــ			PAGE NO PAGE			ــــــــــــــــــــــــــــــــــــــ	L	
		T - Total allowance for Hand Receipts. (a) Authorized per item for Hand Receipt C - Current operating allowance for Hand Receipts. (1) Total authorized for Han	m Albii al Bee	w 2000. adaat Ac									97	PAGE		

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	HAND RECEIPT/ANNEX NO.	PR	OM:						7	0:					
ie	the office of the Deputy Chief of Stell for Legislics.	<del> </del>											le No.		
19 11 · · · · · · · · · · · · · · · · ·	tate in each balance column the type of action (e.g. issue, turn-in,		Pill in		ellow			OF A			M M	and I	leceip	t Ann	<b>43</b> .
inventory, etc.) produ	cing this balance, date of action, and signature.	1		840	-298		CURR	OF A			R S	et a	N/PP	S -5E	3
STOCK No	END ITEM/COMPONENTS OF END ITEM (COEI)	i,	(i)	_	r	<u> </u>	Γ.		BAL	ANCE	T .		1		T 12
5840-01-010-5113	Radar Receiver-Transmitter, RT-965B/PPS-5A	1		Ė			Ė		Ė						-
	consisting of:														
5840-01-016-8474	Antenna Drive Unit, AB-992B/PPS-5	1													
5840-00-450-3592	Antenna Drive Cover	1													
5840-01-013-0374	Radar Control Indicator, C-4610B/PPS-5 which	1													
	includes:														
5840-00-937-9104	Viewing Hood	1													
5840-00-937-9209	Remote Control Stand	1													
5840-00-069-2276	Cover	1													
5840-00-247-0179	Antenna, AS-2412/PPS-5A consisting of:	1													
5840-00-973-1097	Antenna Reflector, AS-2023/PPS-5	2													
5840-00-248-1181	Waveguide Horn, AS-2413/PPS-5A	1													
5840-00-248-1182	Radar Tripod, MT-2958A/PPS-5	1													
5840-00-248-1183	Tripod Column Assembly, MX-7565B/PPS-5	1													
5840-00-937-9168	Telescope	1													
	T - Total allowance for Hand Receipts (a) Authorized per item for Hand Receipt C - Current operating allowance for Hand Receipts (t) Total authorized for Han			ne 248.								E NO	l AGES	3	

STOCK No	ITEM DESCRIPTION	7	6		,		_		BAL	MCE		,			
3.00		144		<u>                                     </u>	<u> </u>	•	•	•	•	7	•	•	10	••	12
5965-00-043- <b>346</b> 0	Electrical Headset, H-251/U	2													L_
5995-01-025-9919	Cable Assembly, Special Purpose, Electrical	1	<b>.</b>		<u> </u>	<u> </u>					<u> </u>				<u> </u>
,	(50 Feet) (CX-12004B/PPS-5)														
5840-01-012-8792	Power Supply, PP-4450C/PPS-5	1													L
5995-01-009-4835	Cable Assembly, Special Purpose, Electrical,	1													
	Branched CX-12068A/PPS-5	1													
5840-00-450-3558	Boresight Assembly	1													
5840-01-012-8761	Battery Box, CY-3871A/PPS-5	4													
5995-01-063-1937	Cable Assembly, Special Purpose, Electrical,	1													
	Branched CX-13081/PPS-5B														
	BASIC ISSUE ITEMS														
5840-00-937-9105	Carrying Pack for Receiver-Transmitter	l													
5840-00-937-9106	Carrying Pack for Control-Indicator	l													
5840-00-937-9086	Carrying Strap for Battery Box	4													
5315-00-832-6785	Ground Pins	3													
1280-00-829-6624	Storage Bracket, Telescope	1													
5840-01-038-2175	Radar Set Adapter Mount	1													
5840-00-177-3573	Carrying Pack for Antenna Reflector, Column	1													
	and Tripod														
	T - Total allowence for Hand Receipte. [a] Authorized per Hem for Hand Receip	d Ass	f 200								PAG	E No	2		
	C - Current operating allowance for Hand Receipts. (1) Total authorized for Han	d Ree	rigit An	meses.							Mo	0f P	AGES	3	

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07703 Stateside, N.J.

10 July 1975 TITLE PUBLICATION NUMBER

TM 11	<del>-5</del> 840 -3	340-12		23 Jan 74 Radar Set AN/25-76
BE EXACT	PIN-PC	INT WHE	REITIS	IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DOME ABOUT IT:
PAGE NO.	PARA- GRAPH	FIGURE NO.	TABLE NO.	AND WILL SHOULD BE SOULD ASSOCIATE
2-25	2-28			Recommend that the installation antenna alignment procedure be changed through a specify a 2° IFF antenna lag rather than 1°.
				REASON: Experience has shown that with only a 1° lag, the antenna servo system is too sensitive to wind gusting in excess of knots, and has a tendency to rapidly accelerate and ecclerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2° without degradation of operation
3-10	3 <b>-</b> 3		3-1	Item 5, Function column. Change "2 db" to "3db."
				REASON: The justment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.
5-6	<b>5-</b> 8			Add any step f.1 to read, "Replace cover plate removed in the e.1, above."
				REASON: To replace the cover plate.
		F03	2	Zone C 3. On J1-2, change "+24 VDC to "+5 VDC."
			S	REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.
				_
				999-1776 SSL. SM. De Seutof.

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