

1 April 1967

ERRATA

The following items are corrections or additions to the handbook.

TYPE NUMBER	ITEM NAME	SEC CLASS	ENG COG	PROC COG	GROUP/ DATE	SOURCE DATA	NOTES
AN/CPX-3	Radar Set	U	NS 2	NS 2	10/48		
AN/MPQ-5()	Radar Set	U	NW 2	NW 2	7/50		
AN/SSA-7	Data Distribution Group	U	NS 1	NS 1	11/48		
AN/TPQ-7	Radar Beacon	U	NW 2	NW 2			
AN/UPA-3	Directional Antenna Assembly	U	NS 2	NS 2			
AN/UPA-4	Directional Antenna Assembly	U	NS 2	NS 2			
AN/UPA-5	Directional Antenna Assembly	U	NS 2	NS 2			
AN/UPA-9	Directional Antenna Assembly	U	NS 2	NS 2			
CY-1674/MSE-2	Electrical Equipment Cabinet (Cancelled)	C	L	L	8/54	LO000	
CY-2885/FPS-26	Electrical Equipment Cabinet	C	A	A	4/60	A0000	
CY-2886/FPS-26	Electrical Equipment Cabinet	C	A	A	4/61	A0000	
CY-2926/FPS	Electrical Equipment Cabinet	C	A	A	6/61	A0000	
CY-2933/FPS	Electrical Equipment Cabinet	C	A	A	5/60	A0000	
CY-2934/FPS	Electrical Equipment Cabinet	C	A	A	5/60	A0000	
CY-2949/FPS-6	Electrical Equipment Cabinet	C	A	A	6/60	A0000	
CY-2950/FPS-6	Electrical Equipment Cabinet	C	A	A	6/60	A0000	
CY-2951/FPS-6	Electrical Equipment Cabinet	C	A	A	6/60	A0000	
CY-3575/FPA-18	Electrical Equipment Cabinet	C	A	A	2/62	A0000	
KY-9()/TRA-16	Keyer (Cancelled)	U	LE	LE		LO063	
MX-2672/APS-64A	Doppler Data Adapter	C	A	A	12/58	A0000	
MX-2690/ASA-30	Interference Blanker	C	A	A	2/59	A0000	
MX-2873A/DJW-4	Gyro Stabilized Platform	C	A	A	6/60	A0000	
MX-2992/FPS-26	Transmitter Subassembly	C	A	A	2/60	A0000	
MX-3069/FPS-7	Receiver Subassembly	C	A	A	5/60	A0000	
MX-3277/AJN-10	Gyro Stabilized Platform	C	A	A	10/60	A0000	
MX-3307/DJW-4C	Gyro Stabilized Platform	C	A	A	10/60	A0000	
MX-3387/DJW-11	Inertial Measurement Unit	C	A	A	5/62	A0000	
MX-3491/DSW-3	Platform Electronics	C	A	A	2/61	A0000	
MX-3499/DSW-3	Pendulous Single Axis Accelerometer (Cancelled)	C	A	A	5/61	A0000	
MX-3530/ASN-38	Gyro Stabilized Platform	C	A	A	6/61	A0000	
MX-3573/DSW-3	Astroinertial Instrument	S	A	A	3/62	A0000	
MX-3725()/SQS	Hand Held Information Processor	C	NS 3	NS 3	11/61	NO000	
MX-3786/FPS-26A	Electrical Equipment Cabinet Drawer	C	A	A	9/61	A0000	
MX-3843/DJW-13	Guided Missile Accelerometer Assembly	S	A	A	11/61	A0000	
MX-3885/DJW-15	Guided Missile Accelerometer Assembly	S	A	A	12/61	A0000	
MX-4244/ALA-24	Flare Cartridge	C	A	A	4/62	A0000	
O-753/FPS	Sweep Generator	C	A	A	5/60	A0000	
O-782/ALD-5(V)	Oscillator	C	A	A	7/60	A0000	
O-785/MSM-42	Radio Frequency Oscillator	C	A	A	8/60	A0000	
O-786/MSM-42	Radio Frequency Oscillator	C	A	A	8/60	A0000	
O-927/ALD-5(V)	Radio Frequency Oscillator	C	A	A	1/62	A0000	
O-932/URC	Reference Signal Generator	S	A	A	4/62	A0000	
O-946/GRC-116	Reference Signal Generator	S	A	A	3/62	A0000	
OA-1062/MPM-31	Test Set Group Servo	C	L	L	12/56	LO000	
OA-1063/MPM-32	Test Set Group Servo	C	L	L	12/56	LO000	
OA-1067/MPM-36	Test Set Group Power Supply	C	L	L	12/56	LO000	
OA-1162/TXQ-1	Control Group	C	N	N		NO000	
OA-1218/TSQ	Video Integrating Group (Cancelled)	C	A	A	12/56	A0000	
OA-1219/TSQ	Video Integrating Group (Cancelled)	C	A	A	12/56	A0000	
OA-1303()/FPS	Amplifier Group	C	A	A	2/59	A0000	
OA-1307/ASH-10	Reproducer Group Converter (Cancelled)	C	A	A	11/60	A0000	
OA-1354/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
OA-1355/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
OA-1356/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
OA-1357/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
OA-1358/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
OA-1359/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	

TYPE NUMBER	ITEM NAME	SEC CLASS	ENG COG.	PROC COG.	GROUP/ DATE	SOURCE DATA	NOTES
QA-1360/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
QA-1361/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
QA-1362/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
QA-1363/ALT-10	Countermeasures Set Group (Cancelled)	C	A	A	12/58	A0000	
QA-1595B/MPA-5	Guided Missile Tracking Station Group	C	L	L	1/62	L0000	
QA-1599/FSP-17	Radar Set Group	C	A	A	12/65	A0000	
QA-1823/MMM-6	Recorder Group	C	A	A	9/60	A0000	
QA-1825()/GRM-14	Recorder Group	C	A	A	2/58	A0000	
QA-1919/FPS-35	Video Integrating Group	C	A	A	2/62	A0000	
QA-1919A/FPS-35	Video Integrating Group	C	A	A	2/50	A0000	
QA-3013/GSC-7	Receiver Group	C	A	A	9/60	A0000	
QA-3040/FPS-26	Amplifier Regulator Group	C	A	A	9/60	A0000	
QA-3041/FPS-26	Amplifier Regulator Group	C	A	A	9/60	A0000	
QA-3090/ASQ-T2	Trainee Station	C	A	A	10/60	A0000	
QA-3091/ASQ-T2	Instructor Console	C	A	A	10/60	A0000	
QA-3095/FPS	Radar Set Group	C	A	A	11/60	A0000	
QA-3135/GSQ-52	Missile Status Distributor Summarizer	C	A	A	12/60	A0000	
QA-3137/GSQ-52	Simulator Group	C	A	A	12/60	A0000	
QA-3262/TPS-22	Radar Modulator Group	C	A	A	2/61	A0000	
QA-3285/MPA-6	Guided Missile Tracking Station Group	C	L	L	3/61	L0000	
QA-3285A/MPA-6	Guided Missile Tracking Station Group	C	L	L	5/61	L0000	
QA-3328/UJN-2	Inertial Guidance System Target System	C	A	A	4/61	A0000	
QA-3332/MPA-7	Guided Missile Tracking Station Group	C	L	L	3/61	L0000	
QA-3334()/TPQ-19	Radar Set Group	C	L	L	3/61	L0000	
QA-3335/FPS-7B	Radar Set Group	C	A	A	4/61	A0000	
QA-3354/MSW-5	Missile Guidance Central Group	C	L	L	4/61	L0000	
QA-3355/MSW-5	Missile Guidance Central Group	C	L	L	4/61	L0000	
QA-3368/FRA	Frequency Synthesizer Group	S	NS 1	NS 1	7/61	N0000	
QA-3443/FQA-5(V)	Amplifier Equalizer Group (Cancelled)	C	NS 3	NS 3	3/62	N0000	
QA-3450/FPS-6	Receiver Group	C	A	A	10/61	A0000	
QA-3524/TSM-22A	Interconnecting Group	C	A	A	9/61	A0000	
QA-3569/FPS-26A	Receiver Group	C	A	A	12/62	A0000	
QA-3570/FPS-26A	Receiver Group	C	A	A	11/61	A0000	
QA-3573/FPS-26A	Control Monitor Group	C	A	A	9/61	A0000	
QA-3574/FPS-26A	Receiver Group	C	A	A	9/61	A0000	
QA-3587/FPS-26A	Radar Set Console	C	A	A	12/62	A0000	
QA-3591/FPS-26A	Radar Set Group	C	A	A	9/61	A0000	
QA-3596/FPS-26A	Radar Set Group	C	A	A	9/61	A0000	
QA-3597/FPS-26A	Amplifier Regulator Group	C	A	A	9/61	A0000	
QA-3598/FPS-26A	Amplifier Regulator Group	C	A	A	9/61	A0000	
QA-3607/UPX-14	Receiver Transmitter Group	C	A	A	9/61	A0000	
QA-3614/GKA-11	Control Indicator Group	C	A	A	10/61	A0000	
QA-3663/FPS-27	Radar Set Console	C	A	A	10/61	A0000	
QA-3664/FPS-27	Radar Set Console	C	A	A	10/61	A0000	
QA-3665/FPS-27	Radar Set Console	C	A	A	10/61	A0000	
QA-3667/FPS-27	Radar Set Console	C	A	A	10/61	A0000	
QA-3676/GSM-73	Test Set Group	C	A	A	11/61	A0000	
QA-3799/TPS-37	Radar Set Group	C	A	A	1/62	A0000	
QA-3803/TPS-37	Radar Set Control Group	C	A	A	1/62	A0000	
QA-3804/TPS-37	Signal Generator Group	C	A	A	1/62	A0000	
QA-3805/TPS-37	Indicator Group	C	A	A	1/62	A0000	
QA-3827/GSA-55	Translator Group	C	A	A	2/62	A0000	
QA-3877/FPA-18	Control Power Supply Group	C	A	A	2/62	A0000	
QA-3880/MPA	Trailer Mounted Target Ranging Antenna Receiver Transmitter	C	L	L	2/62	L0000	
QA-3882()/FSQ	Master Radar Tracking Station (Cancelled)	C	L	L	12/62	L0000	
QA-3886/FPS-35	Target Data Distribution Group	C	A	A	3/62	A0000	
QA-3891/FPS-82	Radar Set Group	C	A	A	3/62	A0000	
QA-3927/APG-58	Radar Set Group (Cancelled)	C	NS 2	NS 2	5/62	N0000	
QA-3931/MSA	Trailer Mounted Guided Missile Director Station	C	L	L	5/62	L0000	
QA-3954/SYA-4(V)	Data Input Readout Console	C	NS 9	NS 9	6/62	N0000	
QA-4031/DSM-18C	Control Keyer Group	C	NW 9	NW 9	5/62	N0000	
QA-4124/FPS-74	Receiver Group	C	A	A	6/62	A0000	
QA-4203/FPS-74	Radar Set Group	C	A	A	7/62	A0000	

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TYPE NUMBER	ITEM NAME	SEC CLASS	ENG COG.	PROC COG.	GROUP/ DATE	SOURCE DATA	NOTES
OA-4361/ALQ-T4(V)8	Simulator Group	C	A	A	8/62	A0000	
CA-4362/ALQ-T4(V)8	Trainee Station	C	A	A	8/62	A0000	
OA-4363/ALQ-T4(V)8	Instructors Station Console	C	A	A	8/62	A0000	
OA-4381/FPS-85	Receiver Group	C	A	A	6/64	A0000	
PP-3310/MRC	Power Supply	U	N	N		N0000	
PP-3453/ASM-16	Power Supply	C	A	A	5/62	A0000	
R-1139/FPS-27	Radar Receiver	C	A	A	4/62	A0000	
R-254/AQS-1	Sonar Receiver	C	N	N		N0000	
R-285()/URR-5	Radio Receiver	C	N	N		N0000	
R-286()/URR-5	Radio Receiver	C	N	N		N0000	
R-287()/URR-7	Radio Receiver	C	N	N		N0000	
R-290()/URR-14	Radio Receiver	C	N	N		N0000	
R-293()/URR-3X	Radio Receiver	C	N	N		N0000	
R-294()/URR-4X	Radio Receiver	C	N	N		N0000	
R-295()/URR-5X	Radio Receiver	C	N	N		N0000	
R-296()/URR-6X	Radio Receiver	C	N	N		N0000	
R-297()/URR-7X	Radio Receiver	C	N	N		N0000	
R-298()/URR-8X	Radio Receiver	C	N	N		N0000	
R-363/SPG-48	Radar Receiver	C	N	N		N0000	
R-384/UPN-9	Radar Receiver	C	N	N		N0000	
R-385/ARR-29	Radio Receiver	C	N	N		N0000	
R-455()/ULR-2	Radio Receiver	C	N	N		N0000	
R-544()/DPN	Radar Receiver	C	N	N		N0000	
R-545()/DPN	Radar Receiver	C	N	N		N0000	
R-601()/ARR-37	Radio Receiver	C	N	N		N0000	
R-607()/DSM-5	Radar Receiver	C	N	N		N0000	
R-622/MPQ-25	Radar Receiver	M	L	L		L0000	
R-806/ALR-9	Radio Receiver	C	N	N		N0000	
3-947/DRM-3	Radio Receiver	C	NW 1	NW 1	7/59	N0000	
3-962/ARR-52	Radio Receiver	C	NW 1	NW 1	4	N0000	
R-965/ALD-3	Radio Receiver	S	A	A	11/59	A0000	
RD-100/GSA-10	Azimuth Data Register	C	N	N		N0000	
RD-101/GSA-10	Elevation Data Register	C	N	N		N0000	
RD-102/GSA-10	Range Data Register	C	N	N		N0000	
RD-103/GSA-10	Signal Data Recorder	C	N	N		N0000	
RD-104/GSP-1	Signal Data Reproducer	C	N	N		N0000	
RD-138/M	Multi Channel Data Recorder	C	L	L	3/56	L0000	
RD-171/FSQ	Data Storage Magnetic Drum	C	N	N		N0000	
RD-172/FSQ	Data Storage Magnetic Drum	C	N	N		N0000	
RD-177/TSQ	Data Storage Magnetic Drum	C	N	N		N0000	
RD-178/TSQ	Data Storage Magnetic Drum	C	N	N		N0000	
RD-183/TSQ	Data Storage Magnetic Drum	C	N	N		N0000	
RD-186/TSQ	Sound Recorder Reproducer	C	N	N		N0000	
RD-250/FLR-11(V)	Signal Data Recorder Reproducer	U	N	N		N0000	
RD-46/AQ	Range Recorder	C	N	N		N0000	
RD-46A/AQ	Range Recorder	C	N	N		N0000	
RD-46B/AQ	Range Recorder	C	N	N		N0000	
RD-46C/AQ	Range Recorder	C	N	N		N0000	
RD-46D/AQ	Range Recorder	C	N	N		N0000	
RE-150/S	Relay Assembly	C	N	N		N0000	
RE-153/S	Relay Assembly	C	N	N		N0000	
RF-119/AAR-28	Infrared Detector	C	A	A		A0000	
RF-123/T	Radio Frequency Detector	C	L	L	7/60	L0000	
RF-124/T	Radio Frequency Detector	C	L	L	7/60	L0000	
RF-125/ASR-5(V)	Coded Pulse Detector	C	A	A	7/60	A0000	
RF-126/ASR-5(V)	Coded Pulse Detector (Cancelled)	C	A	A	6/61	A0000	
RF-127/ASR-5(V)	Pulse Time Interval Stability Detector	C	A	A	7/60	A0000	
RR-698/ALE	Flare	C	A	A	4/59	A0000	
RT-551/APW-23	Radar Receiver Transmitter	C	A	A	9/59	A0000	
RT-6107/CPX-4	Receiver Transmitter	C	NS 2	NS 2	5/45	N0000	
RT-6200()/ASQ-4	Sonar Receiver Transmitter	C	NS 3	NS 3	5/50	N0000	

TYPE NUMBER	ITEM NAME	SEC CLASS	ENG COG	PROC COG	GROUP/ DATE	SOURCE DATA	NOTES
SB-1622/SYA-4(V)	Communication Patching Panel	C	NS 9	NS 9	6/62	N0000	
SB-1623/SYA-4(V)	Radar Signal Distribution Switchboard	C	NS 9	NS 9	5/62	N0000	
SB-1710()/WLR-1	Countermeasures Receiving Set Switchboard	C	N	N		N0000	
SB-927/FRC-47	Communication Patching Panel	U	N	N		N0000	
SG-323/TSM	Reference Signal Generator	C	A	A	9/58	A0000	
SG-323A/TSM	Reference Signal Generator	C	A	A	9/61	A0000	
SG-329/GRS-1	Signal Generator	C	A	A	5/62	A0000	
SG-385/M	Electronic Command Signal Generator	C	L	L	6/60	L0000	
SG-289/MSM-42	Signal Generator	C	A	A	8/60	A0000	
SG-390/MSM-42	Signal Generator	C	A	A	8/60	A0000	
SG-391/MSM-42	Signal Generator	C	A	A	8/60	A0000	
SG-392/MSM-42	Signal Generator	C	A	A	8/60	A0000	
SG-393/MSM-42	Signal Generator	C	A	A	8/60	A0000	
SG-394/MSM-42	Signal Generator	C	A	A	8/60	A0000	
SG-395/MSM-42	Signal Generator	C	A	A	8/60	A0000	
SG-491/ASM-16	Signal Generator	C	A	A	5/62	A0000	
SG-492/DSM-18C	Signal Generator	C	NS 9	NS 9	5/62	N0000	
SG-493/DSM-18C	Signal Generator	C	NS 9	NS 9	5/62	N0000	
SG-494/DSM-18C	Signal Generator	C	NS 9	NS 9	5/62	N0000	
SM-399/DSM-74	Guided Weapon Target Simulator	C	NW 9	NW 9	5/64	N0000	
SN-140/MS	Electrical Synchronizer	C	L	L	3/56	L0000	
T-625/ALT-10	Countermeasures Transmitter (Cancelled)	C	A	A	12/58	A0000	
T-700B/TSM-29	Radar Transmitter	C	A	A	3/62	A0000	
T-887/TSM-53	Radio Transmitter (Cancelled)	C	A	A	6/62	A0000	
TA-370/FTC	Telephone Main Distributing Frame (Cancelled)	U	N	N	3/60	N0000	
TD-312/ALD-3	Direction Finding Sequencer	S	A	A	10/59	A0000	
TD-364/FPS-26	Pulse Sweep Generator	C	A	A	11/61	A0000	
TD-388/FPS-24	Gate Generator	C	A	A	4/62	A0000	
TD-390/FPS-24	Gate Generator	C	A	A	2/61	A0000	
TD-409/GRW-5	Reference Signal Generator	C	A	A	7/60	A0000	
TD-409A/GRW-5	Reference Signal Generator	C	A	A	5/61	A0000	
TD-545/TPS-37	Pulse Generator	C	A	A	1/62	A0000	
TD-6490/ASW-17	Portable Electronic Chronometer	C	A	A	5/61	A0000	
TN-6128/APR-9	Radio Frequency Tuner	C	NW 2	NW 2	6/54	N0000	
TN-6128B/APR-9	Radio Frequency Tuner	C	NW 2	NW 2	10/54	N0000	
TN-6129B/APR-9	Radio Frequency Tuner	C	NW 2	NW 2	6/54	N0000	
TN-6130/APR-9	Radio Frequency Tuner	C	NW 2	NW 2	6/54	N0000	
TN-6130B/APR-9	Radio Frequency Tuner	C	NW 2	NW 2	10/54	N0000	
TN-6131/APR-9	Radio Frequency Tuner	C	NW 2	NW 2	6/54	N0000	
TN-6131C/APR-9	Radio Frequency Tuner	C	NW 2	NW 2	10/54	N0000	
TN-6180/APR-13	Radio Frequency Tuner	C	NW 2	NW 2	2/56	N0000	
TN-6181/APR-13	Radio Frequency Tuner	C	NW 2	NW 2	2/56	N0000	
TR-163/BQ	Transducer Element (Cancelled)	C	NS 3	NS 3	6/60	N0000	
TS-1124/DSM-46	Radio Frequency Power Test Set (Cancelled)	C	L	L	2/59	L0000	
TS-1210/TSM	Data Link Converter Receiver Analyzer	C	A	A	9/58	A0000	
TS-1210A/TSM	Data Link Converter Receiver Analyzer	C	A	A	9/61	A0000	
TS-1211/TSM-23	Data Link Coupler Analyzer	C	A	A	9/58	A0000	
TS-1212/TSM-24	Data Link Coupler Analyzer	C	A	A	9/58	A0000	
TS-1214/TSM-22	Data Link Coupler Analyzer	C	A	A	10/58	A0000	
TS-1214A/TSM-22	Data Link Coupler Analyzer	C	A	A	9/61	A0000	
TS-1215/TSM-26	Electronic Circuit Plug In Unit Test Set	C	A	A	10/58	A0000	
TS-1215A/TSM-26	Electronic Circuit Plug In Unit Test Set	C	A	A	9/61	A0000	
TS-1218/TSM-28	Data Link Coupler Analyzer	C	A	A	10/61	A0000	
TS-1227/GRQ-2	Automatic Sequence Test	C	A	A	5/62	A0000	
TS-1228/GRS-1	Servo Test Set	C	A	A	5/62	A0000	
TS-1243/GRS-1	Antenna Boresight Test Set	C	A	A	5/62	A0000	
TS-1281/TSM-28	Data Link Converter Receiver Analyzer	C	A	A	3/59	A0000	
TS-1290/ALM-8	Countermeasures Test Set	C	A	A	8/59	A0000	
TS-1291/ALM-8	Electronic Circuit Plug In Unit Test Set	C	NW 7	NW 7	7/59	N0000	
TS-1307/ARM-37	Radio Transmitter Test Set	C	NW 1	NW 1	7/59	N0000	
TS-1308/DRM-3	Radio Transmitter Test Set	C	NW 1	NW 1	7/59	N0000	
TS-1754/TSM-28A	Data Link Coupler Analyzer	C	A	A	2/62	A0000	
TS-1814A/FQQ-9(V)	Radio Frequency Cable Test Set	U	NS 3	NS 3	1/65	N0000	
TT-185/GRD-6	Teletypewriter Distributor Transmitter	C	N	N		N0000	

PREFACE

AUTHENTICATION. The Handbook of Security Classification and Cognizant Activity of Electronic Equipment, MIL-HDBK-140A, is the official Department of Defense publication listing security classifications and cognizance activities of electronics equipment. It is in effect upon receipt and supersedes MIL-HDBK-140, dated 1 October 1964, and Supplement 5, dated 1 November 1966.

APPLICATION OF SECURITY CLASSIFICATION. The security classifications shown for equipments listed in this handbook apply only to the physical equipment and do not necessarily apply to military characteristics, military applications of the equipment, nor to related documents and publications. Technical data that are revealed by an equipment are classified no higher than the equipment. Major units and parts of a set are classified no higher than the set. Accordingly, all units listed herein with a higher classification than the associated set should be reported to the preparing activity in order that official classifications can be verified.

JANAP 140(C) and NAVSHIPS 93140(C) indicated that the security classifications of Navy equipments also apply to technical manuals and other equipment-type publications except for those equipments with an asterisk (*) preceding the security code symbol. A review is underway to assure that these are the only equipments which have equipment-type publications that include classified information which is not subject to simultaneous downgrading action with the classification of the equipment. Information concerning the publications for equipments marked with an asterisk will be given in Appendix B in later supplements. Exceptions to the application of security information as previously described are indicated in the notes column on the respective page on which the item is listed.

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SECURITY CLASSIFICATION AND COGNIZANT ACTIVITY
OF ELECTRONIC EQUIPMENT

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SECTION 1

INTRODUCTION

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SECTION 1

INTRODUCTION

1.1 GENERAL

The Handbook of Security Classification and Cognizant Activity of Electronic Equipment, MIL-HDBK-140A, is a Department of Defense Publication which provides the official security classifications and cognizance data of Air Force, Army, and Navy electronic equipments. Equipments are listed in alphanumeric sequence by type number. Security and cognizance data are represented in coded symbols which are explained in the following paragraphs.

AUTHORITY. MIL-HDBK-140A is the official Department of Defense document listing security classifications and cognizant activities of electronic equipment. All classification actions, including regrading and declassification of electronic equipment, taken by the three services will be submitted to the preparing activity for inclusion in a cumulative supplement or the next edition of the basic book. The authority for MIL-HDBK-140A was established by the Military Communications-Electronics Board on 3 May 1962 and is documented in Report MCEB 358/18 (Agenda Item No. 127), Case: US 219, dated 3 May 1962.

PURPOSE. The purpose of this handbook is to provide the following data concerning military electronic equipment:

- Official nomenclature
- Current security classification
- Engineering cognizance
- Procurement cognizance
- Automatic, time-phased downgrading information

COVERAGE AND EFFECTIVE DATE. This handbook contains security classifications and cognizance data for electronic equipments previously listed in MIL-HDBK-140 and Supplement 5, plus additional data received by the preparing activity since the effective date of Supplement 5 (1 October 1966). The following table shows the submittals for each service for the period covered by the data received since the publication of Supplement 5.

Service	Submittals	Effective Date
Air Force	A0131	21 March 1967
Army	L0067	21 March 1967
Navy	N0110	28 March 1967

Data are provided for production models, cancelled equipments, and major units of equipments, except for certain unclassified common units such as batteries, cable assemblies, and wiring harnesses. Data are also provided for prototype equipments if no data have been received for the production model. No data are given for commercial electronic equipments or those equipments identified only by a federal stock number.

Entries added since Supplement 5, in addition to inclusion in the master listing, are also listed separately at the back of the book. The separate listing is provided to facilitate updating records. Missing entries and new entries will be added in periodic supplements to the handbook.

NOMENCLATURE SYSTEMS. The nomenclature of electronic equipments as used in this handbook is composed of two parts — a type number and an item name. For example, Radar Set AN/GPN-6 is the nomenclature for a particular ground-controlled approach (GCA) radar. The type number of this radar is "AN/GPN-6"; the item name is "Radar Set." The AN nomenclature system is presently in use by all of the armed services. Prior to the use of this nomenclature system, several other nomenclature systems were in use by the armed forces. For example, the Navy used the Model Letter System and the Type Designation System prior to the AN system. All nomenclature systems used in this handbook are described in Appendix A.

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ERRORS. Users of the handbook are requested to report any errors discovered. Reported errors will be corrected and published in periodic supplements to the handbook. All correspondence regarding errors should be addressed to the preparing activity.

1.2 HOW TO ORDER THIS HANDBOOK

Air Force organizations will request automatic distribution of this publication in accordance with the procedures outlined in publication S-1-6 (USAF Logistics Program for Class I Specifications and Related Publications).

Navy organizations will request automatic distribution of this publication by submitting request to:

Commander, Naval Ship Engineering Center
Department of the Navy
Washington, D. C. 20360
Attention: SEC 6034 (MIL-HDBK-140)

Army organizations will request automatic distribution of this publication by submitting requests to:

The Commanding General
U. S. Army Electronics Command
Fort Monmouth, New Jersey 07703
Attention: AMSEL-MR-NMP-PS

1.3 HOW TO USE THIS HANDBOOK

The equipments in this handbook are listed alphanumerically by type number. Since the type numbers are sorted by automatic data processing (ADP), the alphanumeric sequence is based on a digit-by-digit basis. For example, the type number "R-1051/URR" would precede "R-390/URR." Thus, any combination of digits beginning with "1" would precede any combination of digits beginning with "3." The sequence for a family of equipment nomenclatures is as follows: the basic production model comes first, followed by modifications. For example, the following type number sequence would appear for "Radiac Set AN/PDR-27:

"AN/PDR-27, AN/PDR-27A, AN/PDR-27B".

CODE SYMBOLS. With the exception of type numbers and item names, all of the data given in the handbook are encoded as indicated below. Where practical, the encoded data are in the form of mnemonic symbols. The following paragraphs explain the code symbols for each column of data.

Security Classification. The security classification is indicated by a one-letter code which gives the official security classification of the equipment and indicates where special handling is authorized. In the event that special conditions alter the security classification, a coded entry in the Notes column will explain the conditions. If the publications pertaining to an equipment contain information of a higher security classification than that of the equipment, or if the publication includes information which will not necessarily automatically downgrade with the classification of the equipment, an asterisk (*) will appear beside the security classification code symbol for the equipment. Refer to the Preface for applications of security classifications. Code symbols used to indicate equipment security classifications are as follows:

T - Top Secret
S - Secret
C - Confidential

Special handling and unclassified codes are as follows:

M - Confidential, Modified Handling Authorized
U - Unclassified

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Engineering Cognizance. The engineering cognizance of equipment is the agency, bureau, command, or activity in the Air Force, Army, or Navy which has design and/or security cognizance of the equipment. The engineering cognizance of equipment is a 4-digit (maximum) code which identifies the branch of service, the agency, bureau, command, or activity within the branch of service, and any lower level of responsibility. The first digit is always a letter of the alphabet and identifies the branch of service as follows:

A - Air Force
 C - Canada
 D - Defense Supply Agency
 F - Federal Aviation Agency
 L - Army
 N - Navy (Including Marine Corps and Coast Guard)
 S - National Security Agency

The above letters, when used alone, indicate that the cognizant code within the agency has not been determined.

The second digit (or two digits), if used, is always a letter of the alphabet and identifies the agency, bureau, command, or activity in the branch of service. The third digit, if used, is alphabetic and identifies the third echelon organization within the service agency, bureau, command, or activity. The fourth digit, if used, may be either alphabetic or numeric and identifies the fourth echelon organization within the service agency, bureau, command, or activity. The engineering cognizance codes used in the handbook are as follows:

Air Force

A	-	Air Force
AB	-	Electronic Systems Division L. G. Hanscom Field, Bedford, Mass. 01730
AD	-	Systems Engineering Group Wright-Patterson AFB, Ohio 45433
AE	-	Air Proving Ground Center Eglin AFB, Florida 32542
AK	-	Air Force Special Weapons Center Kirtland AFB, New Mexico 87117
AL	-	Ballistic Systems Division Norton AFB, California 92409
AR	-	Rome Air Development Center Griffiss AFB, New York 13440
AS	-	Space Systems Division AF Unit Post Office, Los Angeles, Calif. 90045
ASD	-	Aeronautical Systems Division Wright-Patterson AFB, Ohio 45433
ASE	-	San Antonio Air Materiel Area Kelly AFB, Texas 78241

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*ASN	-	Middletown Air Materiel Area Olmstead AFB, Pennsylvania 17057
*ASR	-	Mobile Air Materiel Area Brookley AFB, Alabama 36615
ASU	-	Ogden Air Materiel Area Hill AFB, Utah 84401
ASX	-	Oklahoma City Air Materiel Area Tinker AFB, Oklahoma 73145
ATA	-	Sacramento Air Materiel Area McClellan AFB, California 95652
ATG	-	Warner Robins Air Materiel Area Robins AFB, Georgia 31093
*ATU	-	Rome Air Materiel Area Griffiss AFB, New York 13440
ATW	-	Engineering Technical Division Directorate of Air Force Support (AFLC/SGME) Wright-Patterson AFB, Ohio 45433
ATX	-	Defense Electronics Supply Center 1507 Wilmington Pike Dayton, Ohio 45420
ALE	-	Air Force Weapons Laboratory Kirtland AFB, New Mexico 87117
ALK	-	Air Force Armament Laboratory Eglin AFB, Florida 32542

Army

L	-	Army
LE	-	Electronics Command
LI	-	Missile Command
LO	-	Mobility Command
LOA	-	Aviation Materiel Command (AVCOM)
LOE	-	Engineering Research and Development Laboratories (ERDL)
LOT	-	Tank-Automotive Center (ATAC)
LU	-	Munitions Command
LUC	-	Munitions Command (Chemical, Biological, and Radiological Agency)

*Indicates codes of AF activities which have been deactivated. Equipments presently assigned these activity codes will be recoded to indicate the new activity in subsequent issues or supplements of the handbook.

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LUF	-	Frankford Arsenal
LUP	-	Picatinny Arsenal
LW	-	Weapons Command

Navy

N	-	Navy
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The second digit, if used, for all Navy items identifies the second echelon of cognizance. The codes are as follows:

.A	-	Air Systems Command
.C	-	Facilities Engineering Command
.E	-	Electronics Systems Command
.M	-	Marine Corps
.N	-	Naval Ship Engineering Center
.O	-	Ordnance Systems Command
*.S	-	Bureau of Ships
*.W	-	Bureau of Naval Weapons

The third digit, if used, for all Navy items identifies the third echelon of cognizance. The codes are as follows:

..A	-	Aviation Supply Office
..E	-	Electronics Supply Office
..O	-	Ordnance Supply Office
..R	-	Naval Research Laboratory

The fourth digit, if used, for all Navy items is a numeral which identifies the type of equipment. The code symbols are as follows:

...1	-	Communications equipment
...2	-	Radar equipment
...3	-	Sonar equipment
...4	-	Test equipment
...5	-	Radiac equipment
...6	-	Infrared equipment
...7	-	Countermeasures equipment
...8	-	Meteorological equipment
...9	-	Industrial equipment

As an example of a Navy item, the code "NA 7" identifies the item as a countermeasures equipment under the cognizance of the Naval Air Systems Command.

*These codes will remain in effect until all equipments so designated are transferred to the proper new code.

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Procurement Cognizance. The procurement cognizance of equipment is the agency, bureau, command, or activity in the Air Force, Army, or Navy which has the procurement responsibility for the equipment. Procurement cognizance is a four-digit (maximum) code which uses the same code symbols as Engineering Cognizance.

Group/Date. The code symbols used in the Group/Date column provide automatic, time-phased security classification downgrading information. There are four groups of classified material.

Group 1 includes such material as that attributed to foreign governments and international organizations and material concerning communications intelligence, Restricted Data, Formerly Restricted Data, nuclear propulsion information, and special munition information. Group 1 material is excluded from automatic downgrading and automatic declassification.

Group 2 applies only to documents originally classified Top Secret or Secret. Extremely sensitive information is exempted from both automatic downgrading and automatic declassification by assigning Group 2 status to the material containing the sensitive information. Group 2 status can be assigned only by officials empowered to exercise original Top Secret classification authority.

Group 3 contains certain types of information that warrant some degree of classification for an indefinite period. Group 3 security classifications are downgraded at 12-year intervals but are not automatically declassified. Group 3 classifications are assigned to such equipments as infrared and countermeasures.

Group 4 applies to all classified material that does not qualify for Groups 1, 2, or 3. The original security classification is downgraded at 3-year intervals and is automatically declassified after 12 years. For example, Top Secret material would be downgraded to Secret 3 years from the date it was originated; it would be downgraded to Confidential 6 years from the date it was originated; it would be declassified 12 years from the date it was originated.

To make use of the automatic, time-phased downgrading information, the group and the date must be considered. This information is provided by coded symbols in the Group/Date column. The date given is the month and year in which the nomenclature was assigned. The code symbols consist of seven digits (maximum). The first digit is a numeral which identifies the group. No digit is used for unclassified equipment. The second digit (and third, if used) identifies the month, and the last two digits identify the last two numerals of the year in which the nomenclature was assigned. The code symbols used in the Group/Date are as follows:

<u>Group</u>					
1	-	Group 1			
2	-	Group 2			
3	-	Group 3			
4	-	Group 4			
<u>Date (month)</u>			<u>Date (month)</u>		
1	-	January	7	-	July
2	-	February	8	-	August
3	-	March	9	-	September
4	-	April	10	-	October
5	-	May	11	-	November
6	-	June	12	-	December

Date (year)

The last two digits are numerals identifying the last two digits of the year.

As an example of a Group/Date assignment, "4:10/61" identifies the equipment as Group 4 with the nomenclature assignment date of October, 1961. For details concerning the automatic, time-phased downgrading system, refer to Appendix C.

Source Data. The Source Data column identifies the source from which the security and cognizance data were obtained. A 5-digit (maximum) code identifies the source for original entries in the handbook. The first digit is coded in the same way as the first digit of the Engineering Cognizance and Procurement Cognizance columns. This digit identifies the branch of service and the agency, bureau, command, or activity within the service. The last four digits are numerals identifying the source document submitted to the handbook preparing activity. A typical source data code might be "A0059." This code identifies the source document as Data Submittal No. 59, submitted by the Air Force. In the event that a subsequent submittal (e.g., data submittal No. 71) should revise the data, the situation would be represented by the code symbols "059A0071." This notation indicates that the data provided by Air Force Data Submittal A0059 was revised by Air Force Data Submittal A0071.

Notes. In certain entries, it is necessary to give additional information which cannot feasibly be represented by the existing code symbols. This situation is indicated by the presence of an entry in the Notes column. The entry is a 2-digit numeral which identifies a note given in Appendix D. For example, the entry "01" refers to note 1 in Appendix D.

DUPLICATIONS AND OMISSIONS. Duplications resulting from more than one service claiming cognizance of an item or from the inadvertent repetition of an item will be resolved and published in a future supplement. Omissions resulting from the submission of incomplete or erroneous data will also be resolved and published in a future supplement.

APPENDICES. Four appendices are provided to supplement the data supplied in the alphanumeric listing in Section 2. A brief description of the appendices is given in the following paragraphs.

Appendix A - Nomenclature Systems. This appendix gives details about the nomenclature systems used in the handbook. The present tri-service AN system is excerpted from MIL-STD-196.

Appendix B - Security Classifications of Publications. This appendix provides security classifications for publications which have a higher security classification than the equipment with which the publications are associated. Equipments affected by this situation are denoted in Section 2 by the presence of an asterisk preceding the code symbol for the equipment security classification.

Appendix C - Automatic, Time-Phased Downgrading and Declassification System. This appendix provides details concerning the automatic downgrading and declassification system (Air Force Regulation No. 205-2; Army Regulation No. 380.6; OPNAV INSTRUCTION No. 5500.40B).

Appendix D - Notes. This appendix contains the notes encoded in the Notes column in Section 2. The notes are encoded sequentially from 01 through 99.

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SECTION 2

**LIST OF EQUIPMENT SECURITY
CLASSIFICATIONS AND COGNIZANCE DATA**

SUPPLEMENT	TYPE NUMBER	ITEM NAME	SEC CLASS	ENG CDB	PROC CDB	GROUP DATE	SOURCE DATA	NOTES
	AM-1160/FPN-28	AMPLIFIER, TRIGGER-VIDEO	NS	NS	NS	3-02/52	N0000	
	AM-1161/SPQ-2	AMPLIFIER, VIDEO	NS	NS	NS	02/52	N0088	
	AM-1162/SPQ-2	AMPLIFIER, ELECTRONIC CONTROL	NS	NS	NS	02/52	N0088	
	AM-1163/SPQ-2	AMPLIFIER, ELECTRONIC CONTROL	NS	NS	NS	02/52	N0088	
	AM-1164/SPQ-2	AMPLIFIER, INTERMEDIATE FREQUENCY	NS	NS	NS	02/52	N0088	
	AM-1165/SPQ-2	AMPLIFIER, ELECTRONIC CONTROL	NS	NS	NS	02/52	N0088	
	AM-1166/SPQ-2	AMPLIFIER, SYNCHRO SIGNAL	NS	NS	NS	02/52	N0000	
	AM-1167/SPQ-2	AMPLIFIER, SYNCHRO SIGNAL	NS	NS	NS	02/52	N0000	
	AM-1168/SPQ-2	AMPLIFIER, ELECTRONIC CONTROL	NS	NS	NS	02/52	N0088	
	AM-1169/MSQ-7	AMPLIFIER ASSEMBLY	NS	1	NS	06/46	N0000	
	AM-1170/AFN-1	AMPLIFIER	NS	1	NS	06/46	0000A0032	
	AM-1170/DFS-3	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	07/54	A0005	
	AM-1171/MSQ-1A	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	06/57	A0018	
	AM-1172/AFN-19	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	06/57	A0018	
	AM-1173/AFN-17	AMPLIFIER, SYNCHRO SIGNAL	NS	1	NS	07/54	0000A0033	
	AM-1174/DJW-2	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	07/54	A0005	
	AM-1175/MSQ-1A	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	06/57	A0018	
	AM-1176/UPM-27A	AMPLIFIER-OSCILLATOR	NS	1	NS	05/57	A0033	
	AM-1177/GRC	AMPLIFIER-CONVERTER	NS	1	NS	06/61	L0062	
	AM-1178/GRC	AMPLIFIER-MULTIPLIER,RADIO FREQUENCY	NS	1	NS	06/61	L0062	
	AM-1179/GRC	AMPLIFIER-CONVERTER	NS	1	NS	06/61	L0062	
	AM-1180/GRC	SERVO AMPLIFIER	NS	1	NS	09/50	A0032	
	AM-1181/AFN-44	AMPLIFIER, RADIO FREQUENCY	NS	1	NS	06/61	L0018	
	AM-1182/AFN-44	AMPLIFIER, RADIO FREQUENCY	NS	1	NS	06/61	N0000	
	AM-1183/AFN-45	AMPLIFIER ASSEMBLY	NS	1	NS	06/61	A0018	
	AM-1184/AFN-45	AMPLIFIER, AUDIO FREQUENCY	NS	1	NS	06/61	A0018	
	AM-1185/AFN-45	AMPLIFIER, TRIGGER VIDEO	NS	1	NS	06/57	A0018	
	AM-1186/AFN-45	AMPLIFIER-OSCILLATOR	NS	1	NS	07/56	0000A0033	
	AM-1187/AFN-45	AMPLIFIER-RADIO FREQUENCY	NS	1	NS	07/56	0000A0033	
	AM-1188/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	07/56	0000A0033	
	AM-1189/AFN-45	AMPLIFIER, SCANNER	NS	1	NS	09/45	N0000	
	AM-1190/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1191/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0032	
	AM-1192/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1193/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1194/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1195/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1196/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1197/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1198/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1199/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1200/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1201/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1202/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1203/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1204/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1205/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1206/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1207/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1208/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1209/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1210/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1211/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1212/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1213/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1214/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1215/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1216/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1217/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1218/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1219/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1220/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1221/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1222/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1223/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1224/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1225/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	
	AM-1226/AFN-45	TORQUE AMPLIFIER	NS	1	NS	09/45	A0000	

SUPPLEMENT	TYPE NUMBER	ITEM NAME	SEC CLASS	ENG CDB	PROC CDB	GROUP DATE	SOURCE DATA	NOTES
	AM-1227/AFN-45	AMPLIFIER, AUDIO-RADIO FREQUENCY	NS	1	NS	05/57	N0000	
	AM-1228/AFN-45	AMPLIFIER, TRIGGER	NS	1	NS	05/57	A0018	
	AM-1229/AFN-45	AMPLIFIER, TRIGGER	NS	1	NS	05/57	A0018	
	AM-1230/AFN-45	SERVO AMPLIFIER	NS	1	NS	05/57	A0032	
	AM-1231/AFN-45	AMPLIFIER-OSCILLATOR	NS	1	NS	00/55	0000A0033	
	AM-1232/AFN-45	AMPLIFIER-MIXER STAGE	NS	1	NS	01/55	0000A0033	
	AM-1233/AFN-45	AMPLIFIER, INTERMEDIATE FREQUENCY	NS	1	NS	01/55	0000A0033	
	AM-1234/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	01/55	0000A0033	
	AM-1235/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	01/55	N0000	
	AM-1236/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	01/55	N0000	
	AM-1237/AFN-45	AMPLIFIER, RADIO FREQUENCY	NS	1	NS	01/55	0000A0033	
	AM-1238/AFN-45	AMPLIFIER, RADIO FREQUENCY	NS	1	NS	01/55	A0033	
	AM-1239/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	02/49	N0088	
	AM-1240/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	02/49	N0088	
	AM-1241/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	02/49	N0088	
	AM-1242/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	02/49	N0088	
	AM-1243/AFN-45	AMPLIFIER, POWER SUPPLY	NS	1	NS	08/56	0000A0033	
	AM-1244/AFN-45	AMPLIFIER	NS	1	NS	08/56	0000A0065	
	AM-1245/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1246/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1247/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1248/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1249/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1250/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1251/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1252/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1253/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1254/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1255/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1256/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1257/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1258/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1259/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1260/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1261/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1262/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1263/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1264/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1265/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1266/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1267/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1268/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1269/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1270/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1271/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1272/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1273/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1274/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1275/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1276/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1277/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1278/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1279/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1280/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1281/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1282/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1283/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1284/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1285/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	
	AM-1286/AFN-45	AMPLIFIER, ELECTRONIC CONTROL	NS	1	NS	08/56	N0000	

