

TECHNICAL MANUAL } DEPARTMENTS OF THE ARMY
 No. 11-6625-316-12 } AND THE AIR FORCE
 TECHNICAL ORDER } WASHINGTON 25, D. C., 16 March 1961

TEST SETS, ELECTRON TUBE TV-2/U, TV-2A/U, AND TV-2B/U

	Paragraph	Page
CHAPTER 1. INTRODUCTION		
Section I. General		
Scope.....	1	5
Forms and records	2	5
II. Description and data		
Purpose and use.....	3	6
Technical characteristics	4	6
Components of Test Set, Electron Tube TV-2(*)/U.	5	7
Description of Test Set, Electron Tube TV-2(*)/U.		
Differences in models.....	6	8
CHAPTER 2. OPERATION		
Section I. Service upon receipt of equipment		
Unpacking.....	7	8
Checking unpacked equipment.....	8	10
II. Operator's controls and indicators.....	9	10
Damage from improper settings.....	10	12
Operating controls and indicators.....	11	12
Tube test data	12	16
III. Preliminary operating procedures		
Operating precautions.....	13	19
Tube test sockets and test adapters.....	14	19
Preliminary starting procedure.....	15	20
IV. Operation under usual conditions		
Starting procedures.....	16	22
Zero adjustment of PERCENT QUALITY meter.	17	23

* This manual supersedes so much of TM 11-2661, 11 May 1955, including C4, 8 November 1957; C5, 21 April 1958; C6, 15 May 1959, as pertains to operator's and organizational maintenance and so much of TM 11-6625-316-12P, 23 July 1959, as pertains to the basic issue items list and the maintenance allocation chart.

	Paragraph	Page
Section IV. Short test.....	18	23
Interelement leakage test.....	19	24
Filament continuity test.....	20	25
Transconductance test.....	21	25
Gas test.....	22	26
Emission test.....	23	27
Voltage regulator and gas rectifier test.....	24	28
Procedure for reading plate current (less than 50 milliamperes) of triode tubes.	25	29
Thyratron test.....	26	30
Electron-ray indicator test.....	27	31
Ballast tube test.....	28	32
Indicator lamp test.....	29	32
Complete tube test.....	30	33
Stopping procedure.....	31	37
 CHAPTER 3. OPERATOR'S MAINTENANCE		
General.....	32	38
Preventive maintenance.....	33	38
Visual inspection.....	34	41
Operational checklist.....	35	41
Removal and replacement of chassis.....	36	44
Tube replacement.....	37	45
Preferred-type tubes.....	38	45
Replacement of fuses and lamps.....	39	46
 4. ORGANIZATIONAL MAINTENANCE		
General.....	40	47
Tools and materials required.....	41	47
Preventive maintenance.....	42	47
Visual inspection.....	43	48
Equipment performance checklist.....	44	48
Replacement of test adapters.....	45	54
 5. SHIPMENT, LIMITED STORAGE, AND DEMOLITION TO PREVENT ENEMY USE.		
Section I. Shipment and limited storage		
Disassembly of equipment.....	46	55
Repackaging for shipment or limited storage.....	47	55
II. Demolition of materiel to prevent enemy use		
Authority for demolition.....	48	57
Methods of destruction.....	49	57
 APPENDIX I. REFERENCES.....	--	58
II. MAINTENANCE ALLOCATION.....	--	59
III. BASIC ISSUE ITEMS LIST.....	--	64