

MIL-R-55002B(EL)  
 AMENDMENT 3  
24 July 1967  
 SUPERSEDES  
 Amendment 2  
 29 April 1966

MILITARY SPECIFICATION

RADIO SETS AN/VRC-24( ) (Units Of) AND  
 CONTROL, RADIO SET C-1439( )/U

This amendment forms a part of Military Specification  
 MIL-R-55002B(EL), dated 31 May 1963

Wherever the term "equipment" appears in the specification, replace with  
 "AN/VRC-24( ) (Units Of) and Control, Radio Set C-1439( )/U".

Page 1, paragraph 1.1, delete: Dynamotor DY-151( )/U".

Page 1 and 2, paragraph 2.1, delete the following specifications:

- |            |   |
|------------|---|
| MIL-C-17   | - Cables, Radio Frequency, Coaxial, Dual Coaxial,<br>Twin Conductor, and Twin Lead.   |
| MIL-C-3702 | - Cable, Power, Electrical, Ignition, High Tension.   |
| MIL-C-3885 | - Cable Assemblies and Cord Assemblies, Electrical<br>(For Use In Electronic, Communication, and<br>Associated Electrical Equipment). |

Page 2, paragraph 2.1, add the following specification:

- |             |                         |
|-------------|-------------------------|
| MIL-P-55110 | - Printed Wiring Board. |
|-------------|-------------------------|

Page 3, paragraph 2.1, delete the following drawings:

- |              |   |
|--------------|---|
| SC-A-46570   | - Materials and Processes For Printed Wiring<br>Assembly. |
| SC-DL-344929 | - Drawing and Data List for Dynamotor DY-151( )/U.        |

Page 4, paragraph 2.1, delete the following military standard:

- |         |   |
|---------|---|
| MS75027 | - Cable Cord, Standard Lengths and Standard<br>Tolerances for Communications, Power and Radio<br>Frequency Cable and Cord Assemblies. |
|---------|---|

Page 5, paragraph 3.2, delete "DY-151( )/U SC-DL-344929".

Page 6, paragraph 3.4.1, delete this paragraph in its entirety.

Page 7, paragraph 3.4.5.3, delete "Dynamotor DY-151( )/U".

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Page 12, paragraph 3.4.12.11, add the following after first sentence:  
"The requirements of the drawing shall apply to chassis of all material, not only steel and aluminum".

Page 16, paragraph 3.4.19, change "SC-A-46570" to "MIL-P-55110".

Page 17, paragraph 3.5.8, delete this paragraph in its entirety.

Page 18, paragraph 3.5.11, in table II, change "Note A" to read:

"Radio Set AN/VRC-24( ) (Units of) and Control, Radio Set C-1439 ( )/U shall meet specified performance for the following: 3.8.1, 3.9.1, and 3.13 (Operational function only)".

Page 21, paragraph 3.8.2(a),

In first sentence, change "(extreme counterclockwise)" to "threshold".

In second sentence, change "45 uv" to "25 uv".

Page 21, paragraph 3.8.3 AGC characteristics - In caption, change "4.9.2" to "4.9.4".

Page 26, paragraph 3.10 Dynamotor DY-151( )/U - Delete this paragraph in its entirety.

Page 26, paragraph 3.14, replace with the following:

3.14 Air-Seal. When tested as specified in 4.16, the decrease in vacuum shall not exceed 0.02 pounds per square inch, gage (psig) in 2 minutes.

Page 29, table III, delete "Vibration, equipment", "Bounce", and "Immersion" and their respective paragraph numbers.

Page 29, paragraph 4.4, in list, delete "Cable Assemblies, 3.4.1", "Suppression, 3.5.8", and footnote "During preproduction inspection only".

Page 31, Table V, delete the two last lines.

Page 33, Table VI and paragraph 4.5.3.1, delete and replace with the following:

Table VI. Group C inspection

Inspection	Req Para	Inspection Para
Subgroup I		
Life.....	3.5.1	4.15
Protection from extreme voltage variations.	3.7.10	4.8.9
Polarity reversal of input power.	3.7.11	4.8.10
Spurious radiation.....	3.9.10	4.10.11
Subgroup II		
Vibration, equipment.....	3.5.10	4.7.7
Bounce.....	3.5.11	4.7.8
Immersion.....	3.5.7	4.7.11

## 4.5.3.1 Sampling for inspection of equipment.

(a) Subgroup I: Two equipments from the first 200, or fraction thereof, and one from each successive 200, or fraction thereof, shall be selected for each subgroup I inspection, without regard to their quality, except that the units inspected at the start of the contract shall be selected from the first production units.

(b) Subgroup II: One equipment shall be selected from the first 200 production units, or fraction thereof, for subgroup II inspection.

Page 33, paragraph 4.7.1, in list, add: "3.13", "4.14" "Control, Radio Set C-1439( )/U (Operational function only)".

Page 34, paragraph 4.7.2.3, in list, add: "4.14" "Control, Radio Set C-1439( )/U (Operational function only)".

Page 36, paragraph 4.7.4, in list, add: "4.14" "Control, Radio Set C-1439( )/U (Operational function only)".

Page 37, paragraph 4.7.5(f), in list, add: "4.14" "Control, Radio Set C-1439( )/U (Operational function only)".

Page 41, paragraph 4.8.8.2, in list, delete "transmitter rf output" "3.9.1" "4.10.2".

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Page 43, paragraph 4.9.2, in list, "255.0" to "225.0".

Page 43, paragraph 4.9.3, add the following after the fifth sentence:

The operational spread in degrees of shaft rotation between the maximum and minimum squelch sensitivity shall be measured from the maximum clockwise position of the squelch control to the threshold point.

Page 49, delete paragraph 4.10.6, and replace with the following:

4.10.6 Audio response extended range. With the same test setup as 4.10.5, except that the input test signal shall be 5.0 volts, measurements shall be made at 300, 3000, 6,000, 10,000, 15,000 and 25,000 c.p.s. The requirements of 3.9.5 shall be met.

Page 52, paragraph 4.16, in the third sentence, change "1 minute" to "2 minutes". In the fourth sentence, change "0.01" to "0.02".

Page 65, delete the "NOTICE" paragraph in its entirety.

Custodian

Preparing Activity

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Project No. 5820-A378

