

KS-21520 RECTIFIER
48 VOLTS, 400 AMPERES
WARREN G-V COMMUNICATIONS
OPERATING METHODS

1. GENERAL

1.001 This addendum supplements Section 169-748-302, Issue 1. Place this pink sheet ahead of Page 1 of this section.

1.002 This addendum is issued to add additional instructions to charge the dc output capacitor in Part 3.

This addendum does not affect the Equipment Test List.

2. CHANGES TO SECTION

2.001 On Page 3, replace subparagraphs 3.03(1) through 3.03(8) with the following:

- (1) Verify that the rectifier is ready to start in accordance with paragraph 3.02.
- (2) Connect the KS-20599, L4, volt-ohm-milliammeter, set to the 100-volt dc scale, to the rectifier OUTPUT VOLTS TEST jack.
- (3) Open the door of the rectifier and operate the CAP CHG toggle switch from OFF to TEST position. Hold the switch in position for 15 seconds until the voltage measured at the output volts test jack stabilizes.

Note: The CAP CHG switch is a momentary-type switch.

Warning: Do not operate the DC OUTPUT switch from OFF position to the TEST position, with greater than a 5-volt difference of potential between battery and the rectifier capacitor bank. This will cause high-current

blow sufficient to permanently degrade the contact portions of the DC OUTPUT switch.

- (4) Release the CAP CHG switch and immediately close the DC OUTPUT switch from OFF to the TEST position.

Note: Always close the DC OUTPUT switch briskly. The switch has a thumb operated lock release on the handle. Depress the thumb button to change switch position. Once the switch has been disengaged, it is not necessary to maintain the thumb button depressed while the switch is in motion. The locking pin will drop into the locking hole and stop the switch in correct position.

- (5) Disconnect the KS-20599, L4, volt-ohm-milliammeter temporarily from the OUTPUT VOLTS TEST jacks.
- (6) Close the door of the rectifier and secure the latches.
- (7) **Requirement:** Only the TEST Indicator lamp lights.
- (8) Reconnect the KS-20599, L4, volt-ohm-milliammeter, set to the 100-volt dc scale to the OUTPUT VOLTS TEST jacks.

2.002 On Pages 3 and 4, change paragraph 3.03, Steps (4) through (10) to read: (9) through (15).

2.003 On Page 4, subparagraph 3.03(8), change from ...voltmeter connected in (3)... to read: voltmeter connected in (2).

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2.004 On Page 6, subparagraph 3.07(3), add the following admonishment:

Caution: The rectifier output filter capacitors must be charged prior to

operating the DC OUTPUT switch from the OFF position to either the TEST, BAT, or EC positions.