

REPLACING PAGE ADDENDUM

Filing Instructions:

1. REMOVE FROM THE SECTION THE PAGES NUMBERED THE SAME AS THOSE ATTACHED TO THIS PINK SHEET.
2. INSERT THE ATTACHED PAGES INTO THE SECTION IN THEIR PLACE.
3. PLACE THIS PINK SHEET AHEAD OF PAGE 1 OF THE SECTION.

**RECTIFIER STACKS AND RECTIFIER
BASKETS OF
KS-5651, KS-5651-01, KS-5651-02,
KS-15689, J86239A, J86239B, J86239C,
J86249A, J86249B, AND J86249C RECTIFIERS
REPLACEMENT PARTS AND PROCEDURES**

1. GENERAL

1.001 This addendum supplements Section 169-612-811, Issue 5. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to replace the manufacture discontinued KS-15729 Rectifier Stack with the KS-19243 Rectifier Stack and to correct D-1770 to R-1770.

Attached:

Page 1 dated August, 1966, reissued
Page 2 dated August 1966, revised
Page 3 dated August, 1966, revised
Page 4 dated August, 1966, reissued

2. REPLACEMENT PARTS

The following changes apply to Part 2 of the section:

- (a) 2.04 — Note C — revised
- (b) 2.04 — Note G — revised

3. REPLACEMENT PROCEDURES

The following changes apply to Part 3 of the section:

- (a) 3.01 List of Tools — revised

**RECTIFIER STACKS AND RECTIFIER
BASKETS OF
KS-5651, KS-5651-01, KS-5651-02,
KS-15689, J86239A, J86239B, J86239C,
J86249A, J86249B, and J86249C RECTIFIERS
REPLACEMENT PARTS AND PROCEDURES**

1. GENERAL

1.01 This section is reissued to include the J86249A, J86249B, and J86249C rectifiers and to add ordering information and replacement procedures for rectifier stacks.

1.02 Part 2 of this section covers ordering information for those parts which it is practicable to replace in the field in the maintenance of this apparatus. No attempt should be made to replace parts not designated. Part 2 also contains explanatory figures showing the different parts. This information is called Replacement Parts.

1.03 Part 3 of this section covers the approved procedures for the replacement of the parts covered in Part 2. This information is called Replacement Procedures.

2. REPLACEMENT PARTS (Fig. 1 and 2)

2.01 The figures included in this part show the various replacement parts with their corresponding names in their proper relation to other parts of the apparatus. The numbers of the various parts are given together with the names listed by the Western Electric Company Merchandise Department.

2.02 When ordering replacement parts, give the names of the parts as shown in the figure and table and also the complete nameplate data of the rectifier, including the KS or J number, serial number, and manufacturer's name. For example: 1-PEC-8000E rectifier stack kit for Power Equipment Co, KS-15689, L1 rectifier, input ac volts 210-250, 3-phase, 60 cycles, 69 amperes, dc output, 48 volts, 200 amperes, serial number 9999. Do not refer to the BSP number or to any information in parentheses following the name of the part.

2.03 When necessary to replace a round plate rectifier stack in KS-5651, List 1, 2, or 3 rectifiers, order the complete basket assembly as follows. Any subsequent replacement of stacks should use those specified for the corresponding KS-5651-01 rectifiers.

RECTIFIER	ORDER BASKET ASSEMBLY
KS-5651, List 1	PEC-795D2
KS-5651, List 2	PEC-795E2
KS-5651, List 3	PEC-795F2

2.04 When necessary to replace a rectifier stack (other than a round plate type) or a complete basket assembly, order a stack kit or basket assembly as shown in Table A.

TABLE A

REPLACEMENT OF RECTIFIER STACKS OR BASKET ASSEMBLIES		
RECTIFIER	STACK KIT (See Note A)	BASKET ASSEMBLY (See Note B)
KS-5651-01, List 1	PEC-8000A	PEC-795D2
KS-5651-01, List 2	PEC-8000B	PEC-795E2
KS-5651-01, List 3	PEC-8000C	PEC-795F2
KS-5651-02, List 1	PEC-8000A	PEC-795D3
KS-5651-02, List 2	PEC-8000B	PEC-795E3
KS-5651-02, List 3	PEC-8000D	PEC-795F3
KS-15689, List 1	PEC-8000E See Note C	
J86239A J86239B J86239C	PEC-8000F See Notes D and F See Notes E and F	PEC-795G1
J86249A J86249B J86249C	See Note G See Note G See Note G	

Note A: The rectifier stack kits are to be ordered when an individual rectifier stack becomes defective. The code number consists of a complete set of rectifier stacks and is a complete replacement of all the stacks in a basket assembly.

Note B: The basket assemblies are to be ordered when major damage such as fire has affected the rectifier basket or associated parts. The code number covers a complete basket assembly consisting of a set of rectifier stacks, baskets, lugs, wire, etc.

Note C: When replacing a defective stack in the → KS-15689, L1 rectifier, a **KS-19243** rectifier stack shall be ordered; this is a single stack.

Note D: When replacing a defective stack in the J86239B rectifier, KS-15653, L1 rectifier stack shall be ordered; this is a single stack.

Note E: When replacing a defective stack in the J86239C rectifier, KS-15733, L1 or L2 rectifier stacks may be ordered; these are single stacks.

All rectifier stacks in a basket assembly shall have the same list number and be from the same supplier.

Note F: When replacing stack or stacks in these rectifiers, all other stacks that have been in service 2 years or more shall also be replaced.

Note G: When replacing defective originally furnished selenium stacks with silicon stacks in the J86249 rectifiers follow the information given below for ordering.

APPLICATION	SELENIUM	SILICON
J86249A	KS-15652, L2 or KS-19243	KS-19243, L1
J86249B	KS-15651, L2 or KS-15741, L1	KS-19243, L1
J86249C	KS-15651, L2 or KS-15742, L1	KS-19243, L2

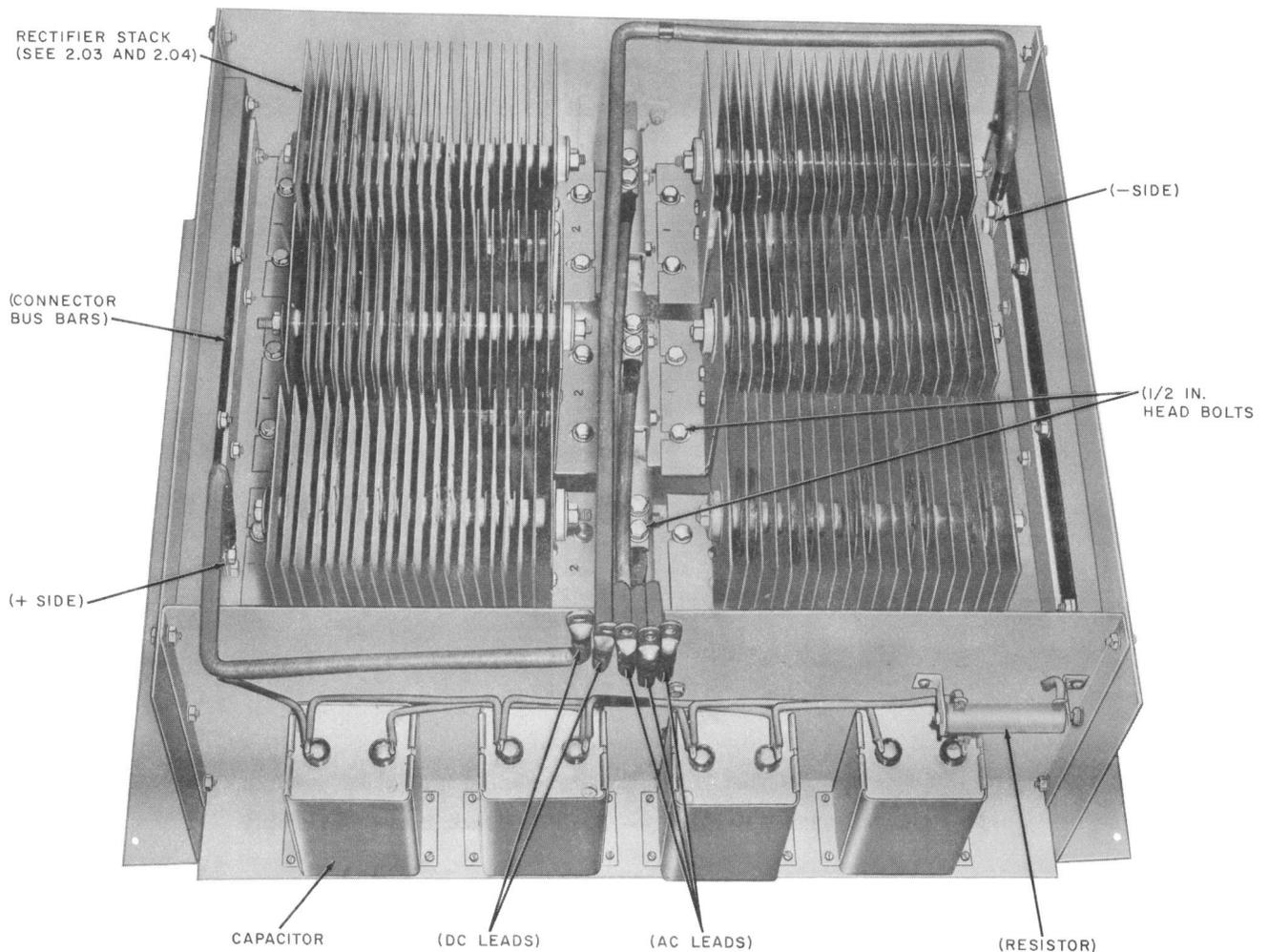


Fig. 1 — Typical Rectifier Stack Basket Assembly — Front View

3. REPLACEMENT PROCEDURES

3.01 List of Tools

CODE OR SPEC. NO.	DESCRIPTION
245 (2 reqd)	3/8- and 7/16-inch Hex. Open Double-end Flat Wrench
R-1770 (2 reqd)	1/2- and 9/16-inch Open Double-end Flat Wrench ←
—	4-inch Regular Screwdriver
—	Electrical Tape
—	7/16-inch and 1/2-inch Socket Wrench With Extension and Ratchet Handle

3.02 Before making any replacement of parts, make sure that service will not be interrupted by transfer to a spare rectifier. Remove any fuses necessary to insure that the rectifier being worked on is not connected to power.

3.03 No replacement procedures are specified for parts where the replacement consists of a simple operation.

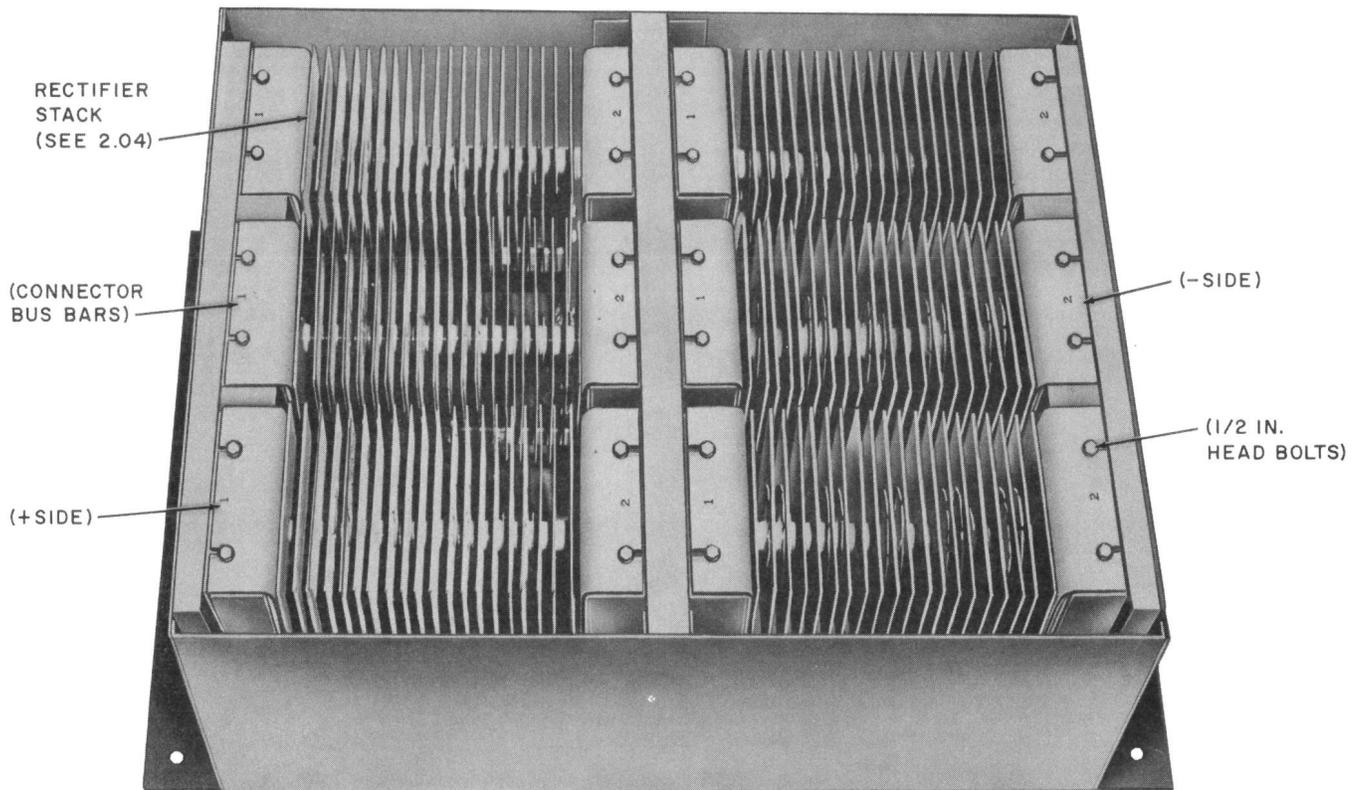


Fig. 2 — J86329C Rectifier — Rectifier Stack Basket Assembly

Rectifier Stacks

→ **3.04** Disconnect power from the rectifier as follows (see Fig. 3, 5, and 7).

(a) On the J86239C rectifier, operate the RECT circuit breaker to OFF. On other rectifiers, operate ON-OFF switch (under output current meter) to OFF.

(b) Operate left-hand large rotary switch to OFF for the KS-5651 rectifier, the rotary switch to SPARE for the J86239A, J86239B, → and J86239C rectifiers, to OPEN for the → J86249A, J86249B, and J86249C and other rectifiers.

(c) Operate DC CONTROL switches or circuit breakers to OFF.

(d) Remove AC CONTROL and CHARGE fuses or operate the VM and AC CONTROL circuit breakers to OFF.

→ **3.05** Remove the rectifier front cover as follows (see Fig. 3, 4, 5, 6, and 7).

(a) Take out the screws holding the large rotary switch knobs using the 4-inch screwdriver and remove the knobs.

(b) Open the rectifier front doors and remove the four screws that hold the rectifier lower front cover, using the 4-inch screwdriver.

(c) Pull the lower front cover outward from the top to clear the fuse holders or the circuit breakers and then upward and out. The lower edge of this cover fits in a groove at the bottom of the bay.