

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.

**302B POWER PLANT
OPERATING METHODS**

1. GENERAL

1.001 This addendum supplements Section 167-622-301, Issue 2, the attached pages must be inserted in accordance with the filing instructions above.

1.002 This addendum is issued to correct an error in paragraph 1.04 and to correct Fig. 5 and 6.

1. GENERAL

The following change applies to Part 1 of the section.

1.04—Change the first sentence to read—The KS-Type rectifiers suitable for use in the 302B plant are listed in 1.11.

3. OPERATION

The following changes apply to Part 3 of the section.

(a) Fig. 5—revised.

(b) Fig. 6—revised.

Attached:

Page 7, dated October 1970, revised

Page 8, dated October 1970, reissued

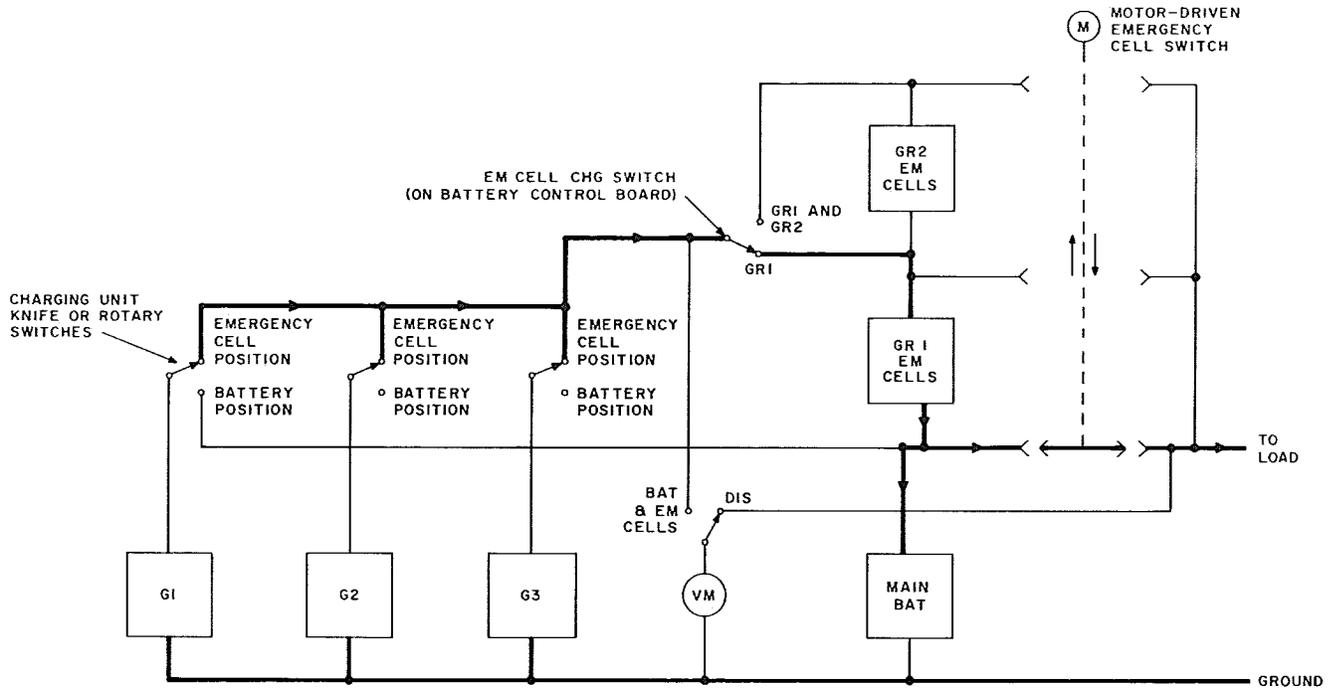


Fig. 5—Normal Load—G1, G2, and G3 Supplying Load and Recharging Main Battery and GR1 EM Cells

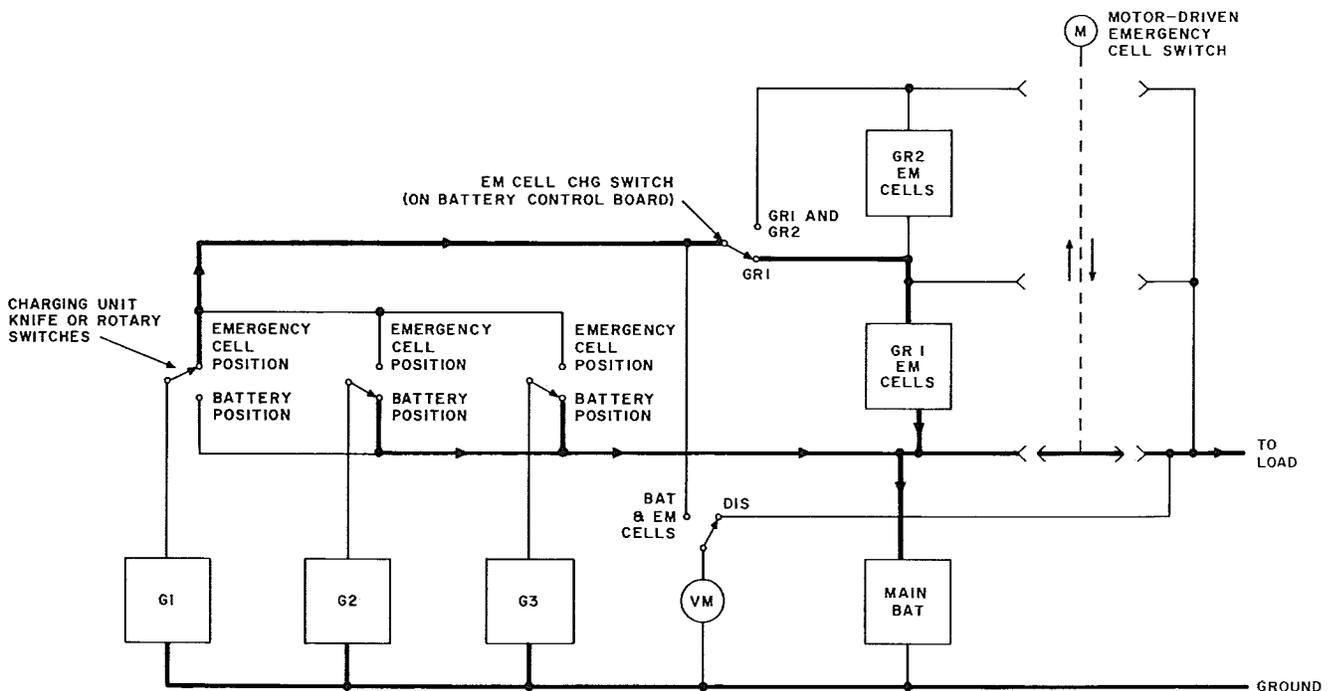


Fig. 6—Normal Load—GR1 EM Cells Recharged by G1—G2 and G3 Supplying Load and Floating Main Battery

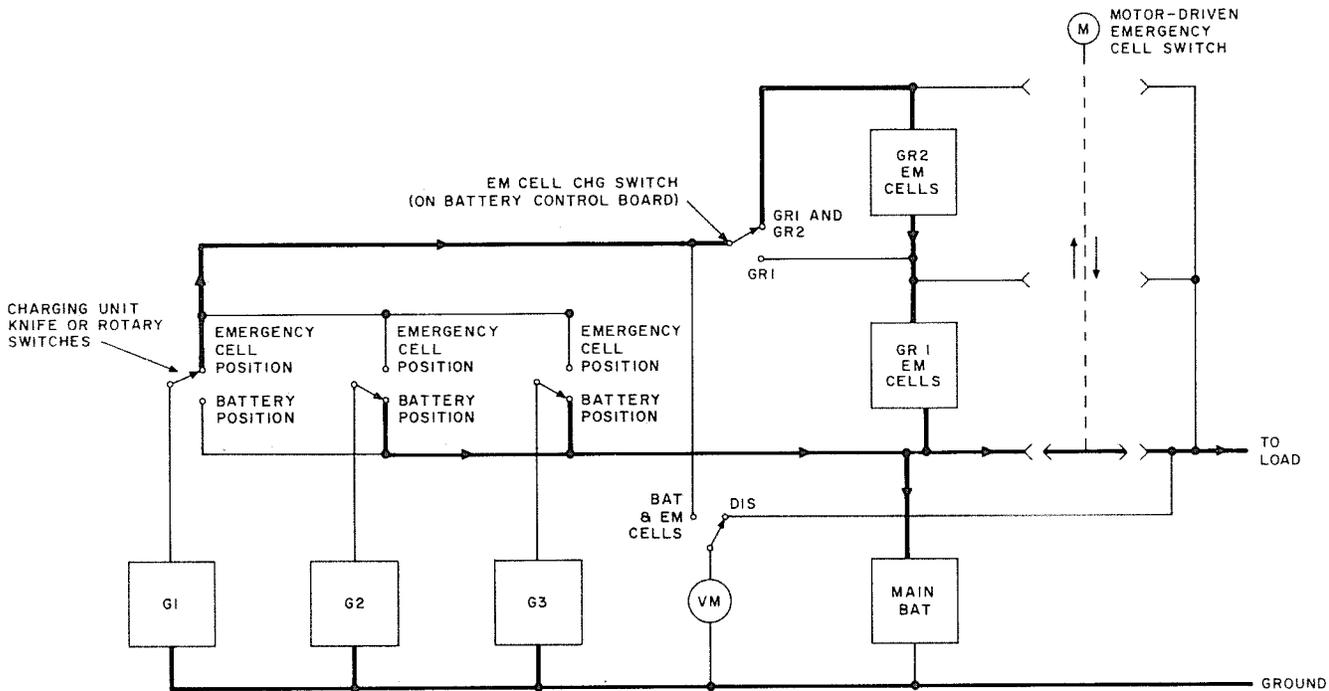


Fig. 7—Normal Load—GR1 and GR2 EM Cells Recharged by G1—G2 and G3 Supplying Load and Floating Main Battery

3.07 When a power failure has required the use of the GR2 emergency cells, the G1 rectifier should be connected to the GR2 bus as shown in Fig. 7. With this connection, the G1 rectifier is arranged to sense the GR2 bus voltage and break off as the GR2 and GR1 voltage rises. Since GR2 is usually discharged less than GR1, recharge of GR2 should be followed by a move to the connection shown in Fig. 6 to continue recharge of GR1.

3.08 *Supplementary Trickle Chargers:* Incomplete recharge of either battery group is shown by the inability of the regulated trickle chargers to maintain float voltage on their battery groups. In this connection, when supplementary trickle chargers are required, they should be adjusted so that the regulated charger operates normally at about 1 ampere. This permits the additional regulated capacity to be used for the final phase of recharge at float voltage.

3.09 *Operation With G Units Out of Service:* Removing a G charging unit (G1 through G10) does not affect normal operation of the plant. However, only the G1 rectifier is arranged for

regulated recharge of emergency cells. Recharge of emergency cells by a rectifier other than G1 (G2 through G10) requires changing the setting of the OUTPUT VOLTS ADJUST potentiometer on the replacing rectifier. Switch the output of the replacing rectifier to EC (its sensing lead remains connected to the F bus). Rotate the OUTPUT VOLTS ADJUST potentiometer cw until the rectifier assumes full load or is carrying the entire plant load. When the emergency cell voltage increases, as a result of the charge by load, a lower charge rate may be achieved by carefully adjusting the rectifier output until it shares the load with the other rectifiers. After the charge by load is completed, switch the rectifier output back to F and readjust its OUTPUT VOLTS ADJUST potentiometer for float voltage.

3.10 *Operation of J86339 Rectifier Sequence Control Unit:* With the TRA1 through TRA4 switches in the NORM position, the engine control circuit controls the stopping and sequence starting of each group of rectifiers. In the event of an ac power transfer, the rectifiers are stopped and then the rectifiers controlled by the TRA1