

155-405-301

GENERATORS

RINGING AND COIN CONTROL - P TYPE

NOTES CONCERNING THIS ADDENDUM

This addendum supplements Section A301.105, Issue 1. It is issued to cover the procedure to be followed in the event of a partial power failure.

Paragraphs 2.10 and 2.13 replace similarly numbered paragraphs in, and paragraphs 1.03 and 1.04 are added to Section A301.105. The replaced paragraphs and the space below paragraph 1.02 should be marked with the cross reference "See Addendum."

1. GENERAL

1.03 A partial power failure is a condition where the power line voltage is greatly reduced or fluctuates over a wide range. Under either of these conditions the voltage of the ringing and coin control currents may be so reduced as to cause ringing or coin collect or refund failures. Such reduction or fluctuation of the line voltage may not be sufficient, however, to cause the battery driven ringer in offices equipped with automatic transfer equipment, to be automatically connected. The procedure under these conditions is described in Part 2, Operation.

1.04 In all cases of power failure the restoration of the ringing and coin control currents should be given precedence over the charging current as the storage batteries provide reserve for the D.C. load but there is no similar reserve for the ringing and coin collect currents.

2. OPERATION

Power Failure

One Motor Set with Automatic Transfer

2.10 The method of procedure during complete and partial power failures is as follows:

(a) When a COMPLETE POWER FAILURE occurs causing the line-driven generator set to stop, no action is required as the battery-driven set will automat-

ically start and the load will be automatically transferred to it.

(b) When a PARTIAL POWER FAILURE as described in paragraph 1.03, occurs the first indication will probably be the slowing of the charging generator set and release of the circuit breaker. When these or any other conditions are noted indicating possible ringing or coin control failure, first read the ringing current voltage on the A-C voltmeter on the power board. If this reading indicates that the voltage is below normal, the "RING TRANSFER SWITCH" should be thrown to the "MANUAL" position; when conditions are again normal the "RING TRANSFER SWITCH" should be returned to the "AUTOMATIC" position.

Two-Motor Set

2.13 The method of procedure during complete and partial power failures is as follows:

(a) When a COMPLETE POWER FAILURE occurs on the line-driven motor, the battery-driven motor is automatically connected to the battery supply and continues the generator in operation. As soon as the A-C power supply is restored, the line-driven motor is automatically connected to the A-C power supply, continuing the generator in operation and disconnects the battery-driven motor.

(b) When a PARTIAL POWER FAILURE occurs as described in paragraph 1.03, the first indication will probably be the slowing of the charging generator set and release of the circuit breaker. When these or any other conditions are noted indicating a possible ringing and coin control failure, first read the ringing current voltage on the A-C voltmeter on the power board. If this reading is below normal the A.C. line switch should be opened. When conditions are again normal the A.C. line switch should be closed.