

**NUMERICAL INDEX — DIVISION 167
POWER PLANTS, POWER UNITS, AND POWER SUPPLY**

1. GENERAL

- 1.01** This section provides an index of System-issued sections in Division 167.
- 1.02** This section reverted to Issue 1 in December 1972. Prior to that date there had been 99 issues of the section.
- 1.03** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 1.04** A square (□) indicates a canceled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Canceled items and related notes will be deleted upon reissue of the index.
- 1.05** A heart (♥) indicates a new or reissued item which, because of its limited need, will not be distributed on standing order except through coded distribution. Additional copies may be obtained by placing regular (one-time) orders.
- 1.06** A solid triangle (▲) indicates a Task Oriented Practice (TOP). These practices, because of their limited need, will not be distributed on standing order except through coded distribution. Additional copies may be obtained by placing regular (one-time) orders.
- 1.07** A spade (♠) indicates an item not on microfiche. This index indicates the latest issue for hard-copy BSPs. In some cases, the microfiche BSP will reflect the next higher issue as a result of the reduced distribution interval.
- 1.08** "Add" is the abbreviation for Addendum.

2. LAYERS

- 2.01** This division is arranged in layers as follows:
 - 167-0 Indexes and Equipment Test Lists
 - 2 Power Plants — Located on Customer or Telephone Company Premises
 - 4 Power Plants and Power Units — Located on Customer Premises
 - 6 Power Plants and Power Supply — Located on Telephone Company Premises
 - 7) - (See 169-000-000)

3. INDEX

Section Number	Issue	Subject
167-0 INDEXES AND EQUIPMENT TEST LISTS		
● ▲ 167-000-000	81	Numerical Index — Division 167 — Power Plants, Power Units, and Power Supply
167-001 Equipment Test Lists (ETL)		
167-001-011	6	Ringin and Tone Power Plants — Power Systems Equipment
167-001-012	6	Power Plants — Power Systems Equipment
167-001-013	13	Power Supplies — Power Systems Equipment

Section Number	Issue	Subject
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167-2 POWER PLANTS — LOCATED ON CUSTOMER OR TELEPHONE COMPANY PREMISES

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167-208-301	1	102G (J86802) — Operating Methods
167-210-301	7	105D (J86446) — -48 Volts, 40 Amperes — Operating Methods
167-210-302	5	105E (J86814) — Operating Methods
167-215-301	10	110A (J86572) an 110B (J86455) — Operating Methods
167-217-100	1	111A (J86470) — Description
▲ ♠ 167-217-102	1	111A Power Plant
Add 167-217-301	1	
167-217-301	11	111A (J86470) — Operating Methods

Ringin Power Plants

167-255-301	7	806D (J86596) — Operating Methods
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Pole Mounted Power Supply — P1 Carrier

167-275-301	2	J86463A — Operating Methods
167-275-302	1	J86463B — Operating Methods
167-275-303	1	J98707M — Operating Methods

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167-276-301	2	671A (J86880) — Operating Methods
Add 167-277-301	1	
♥ 167-277-301	1	680A — J86891A and J86891B — Operating Methods

Battery Supply — 1A Line Concentrator

167-285-301	3	KS-15917, List 3 Battery Supply — Operating Methods
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167-4 POWER PLANTS AND POWER UNITS — LOCATED ON CUSTOMER PREMISES

General

167-400-180	4	Selection for Use With Customer Equipment Key Systems and Small PBX
167-400-200	5	General Installation Requirements
167-400-210	3	Power-Cord Plug-Retainer Assemblies — Power-Cord Plug Adapters for Use With Power Plants and Equipment Located on Customer Premises — Identification and Installation

NOTICE
Not for use or disclosure outside the
Bell System except under written agreement

SECTION 167-000-000

Section Number	Issue	Subject
101 Type Power Plants		
167-410-200	1	101A (J59010C) — Identifications, Installation, and Connections
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167-410-201	3	101A (J59010F) — Identification, Installation, and Connections
167-410-301	1	101A (J59010) — Arranged for Cable Pair Charging or Rectifier Charging Without Charge Control Relay — Trial Charge Rates — 550, 551, 555, and 557 PBX
167-414-201	1	101E (J86566A) — Identification, Installation, and Connections
167-414-202	1	101E (J86566B) — Identification, Installation, and Connections
167-415-201	1	101F (J86567) — Installation
167-416-201	7	101-G (J86731) — Identification, Installation, and Connections
167-417-201	1	101H (J86736) — Identification, Installation, and Connections
167-419-201	3	101J (J86471A) — Identification, Installation, and Connections
167-419-202	4	101J (J86471B) — Identification, Installation, and Connections
167-420-201	1	101K J86897A — Identification, Installation, and Connections

Power Units — KS Specifications

167-430-102	1	KS-19352 L2 — General Description
167-430-103	1	KS-19352 L3 — General Description
167-430-104	1	KS-19352 L4 — General Description
167-430-301	1	KS-19352 L1 and L5 — Operating Methods
167-430-302	1	KS-19352 L2 — Operating Methods
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167-431-301	2	KS-20119 L1, L2, L3, and L4 — Operating Methods
167-432-301	1	KS-21011 — Operating Methods
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Section Number	Issue	Subject
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167-440-203	2	112A — Identification, Installation, and Connection
167-441-101	2	207A Power Unit — Identification, Installation, and Connection
167-441-102	1	215C1 Power Unit — Identification, Installation, and Connection
167-441-103	1	224-Type Power Unit — Identification, Installation, and Connections
167-441-121	1	291A Power Unit — Identification, Installation, and Connection
167-441-122	1	293A Power Unit — Identification, Installation, and Connection
167-445-101	4	28-Type — Identification, Installation, and Connections
167-446-101	5	29- and 30-Type — Identification, Installation, and Connections
167-447-101	1	34B1 and 34C1 — Identification, Installation, and Connections
167-448-101	1	32A1 and 32B1 — Identification, Installation, and Connections
167-449-101	2	47C — Identification, Installation, and Connections
167-450-201	1	10V DC — With Battery Reserve — The Warren Manufacturing Company — Model X10TFR3SU(Y1115) — Identification, Installation, and Connections
Add 167-451-101	1	
167-451-101	2	51-Type — Identification, Installation, and Connections
167-452-101	1	33A — Identification, Installation, and Connections
167-454-101	3	67-Type — Identification, Installation, and Connections
167-455-101	1	63-Type — Identification, Installation, and Connections
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167-457-101	1	104B — Identification, Installation, and Connections
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167-459-301	2	92A-Type — —19 Volts, 2 Amperes — Operating Methods	Add 167-607-301	2	
			167-607-301	1	130A (J86866A) Battery Power Plant — + or — 24 Volts, 70 Amperes — Operating Methods
Ringing Power Plants			Add 167-607-401	2	
167-460-301	5	806G (J86472) — Operating Methods	167-607-401	1	131A (J86867A) Battery Power Plant — —48 Volts, 70 Amperes — Operating Methods
167-461-301	1	J29361A-1 — No. 3 and No. 5A Crossbar — Operating Methods	167-607-403	1	131B (J85522) Battery Power Plant — —48 Volts, 70 Amperes — Operating Methods
PBX Power Plants and Power Supplies			167-607-406	1	131C (J85525) Battery Power Plant — -48 Volts, 70 Amperes — Description
Add 167-480-301	1		167-607-407	1	131C (J85525) Power Plant — —48 Volts, 70 Amperes — Installation
167-480-301	5	J86464 — Operating Methods	167-607-408	1	131D (J85525) Battery Power Plant — —48 Volts, 70 Amperes — Description
167-481-301	1	J29361B-1 — —48 Volts, 300 Amperes — No. 3 and No. 5A Crossbar — Operating Methods	167-607-410	1	131D (J85525C-1) Power Plant— —48 Volts,, 70 Amperes—Installation
167-482-301	1	J29361D-1 — No. 3 and No. 5A Crossbar — + and —130 Volts DC, 2 Amperes Per Polarity — Operating Methods	Add 167-607-501	1	
167-485-201	1	J86495A — Identification, Installation, and Connections	167-607-501	1	132A (J86868) Battery Power Plant — + or —24 Volts, 140 Amperes — Operating Methods
167-485-202	4	J86495B and D — With Battery Reserve — Identification, Installation, and Connections	Add 167-607-503	1	
167-486-301	3	J86808 — Operating Methods	167-607-503	1	132B (J86918) Battery Power Plant — + or —24 Volts, 140 Amperes — Operating Methods
167-487-301	5	J86810 — Operating Methods	Add 167-607-601	1	
167-488-301	2	J86818 — Operating Methods	167-607-601	1	133A (J86869A) Battery Power Plant — —48 Volts, 140 Amperes — Operating Methods
167-488-306	1	J86828 — Operating Methods	Add 167-607-603	1	
167-489-301	3	J86831A — Operating Methods	167-607-603	1	133B (J86919A) Battery Power Plant — —48 Volts, 140 Amperes — Operating Methods
Add 167-490-301	1		167-609-302	2	150B (J86871) Battery Power Plant — + or —24 Volts, 600 Amperes — Operating Methods
167-490-301	2	J86830A and G — Operating Methods	167-609-400	1	151A (J86872) Power Plant — Description and Theory
Add 167-492-301	1		167-609-402	2	151B (J86873) Battery Power Plant — —48 Volts, 600 Amperes — Operating Methods
167-492-301	3	J87276A — Operating Methods	167-609-404	1	151C (J86917) Battery Power Plant — —48 Volts, 600 Amperes — Operating Methods
Add 167-493-301	1		Add 167-609-501	1	
167-493-301	2	J86857A and B — Operating Methods	167-609-501	1	152A (J86908) Battery Power Plant — + or —24 Volts, 1200 Amperes — Operating Methods
167-494-301	2	J86812 — Operating Methods	Add 167-609-601	1	
167-495-301	3	J86635 — Operating Methods	167-609-601	1	153A (J86909) Battery Power Plant — —48 Volts, 1200 Amperes — Operating Methods
167-495-302	1	J86635D Power Supply — Operating Methods	Add 167-609-701	1	
167-496-301	2	J87292A — Power Supply — Operating Methods	167-609-701	1	154A (J86910) Battery Power Plant — + or —24 Volts, 2400 Amperes — Operating Methods
167-497-301	1	J86878A — Operating Methods	Add 167-609-801	1	
			167-609-801	1	155A (J86911) Battery Power Plant — —48 Volts, 2400 Amperes — Operating Methods
167-6) POWER PLANTS AND POWER SUPPLY — LOCATED ON TELEPHONE COMPANY PREMISES					
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SECTION 167-000-000

Section Number	Issue	Subject
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167-620-306	6	301C (J86573) — 24/48 Volts, 10,000 Amperes — Arranged for Manual Start Control
167-621-101	4	302A (J86434) — -24/48 Volts, 10,000 Amperes — Operating Methods
167-621-301	11	302A (J86434) Power Plant — -24/48 Volts, 10,000 Amperes — Operating Methods
167-622-301	4	302B (J86636) Power Plant — 24 and 48 Volts, 10,000 Amperes — Operating Methods
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167-624-101	1	326-Type Power Plants — Theory
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Section Number	Issue	Subject
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167-639-306	1	403B (J86592) — 130 Volts, 100 Milliamperes — Operating Methods
167-640-311	2	J86436A Plate Supply — 130 Volts, 180 Milliamperes — Operating Methods
167-641-316	3	J86440B — 24 Volts, 1.5 Amperes — Operating Methods
167-642-301	2	405A (J86585) — Positive and Negative 130 Volts — Operating Methods
167-643-301	7	410A — Operating Methods
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167-644-301	4	413A (J86826) — Operating Methods
167-645-301	11	420A (J86578) — Type J and K Carrier Stations Having AC Power Available — Operating Methods
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167-645-306	4	420B — Types "J" and "K" Carrier Auxiliary Systems Having No AC Power Available — Operating Methods
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167-645-311	1	420A and 420B — "J" and "K" Carrier Auxiliary Stations — Miscellaneous Building Equipment — Operating Methods
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167-646-312	5	425A (J86832) — 12 Volts, 1600 Amperes — Operating Methods
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167-646-321	4	425B — 12-, 130-, 250-Volt Supplies — Operating Methods
167-647-301	2	415A (J86875) Power Plant — Operating Methods
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167-649-302	3	412A (J86864) and 412B (J86865) — 130 Volts, 120 Amperes — Operating Methods
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Section Number	Issue	Subject
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167-670-101	1	504B (J86617) — Theory
167-670-301	1	504A (J86611) — Operating Methods
167-670-306	9	504B (J86617) — Operating Methods
167-671-311	2	505C (J86426) — Auxiliary Charging Equipment — Operating Methods
167-671-316	2	505C (J86426) — Using Motor-Alternators Continuously — Operating Methods
167-671-321	3	505C (J86426) — Using Motor-Alternator for Stand-By Supply — Operating Methods
167-671-326	8	505D — For L3 Carrier System — Operating Methods
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167-672-301	5	508A — Continuous 230-Volt — Operating Methods
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167-675-301	4	521A — Operating Methods
167-676-301	4	Combination 505D/521A Power Plant — Operating Methods
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DC Power Plants — 600-Type			167-694-100	1	680B Converter Power Plant — (J86899A), (J86899B) — 30 to 1130 Volts Output — 910 or 835 Milliampere Output — Description
167-684-100	1	610B (J86801) DC-to-DC Converter — Description	▲ ♣ 167-694-102	1	680B Power Plant
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167-684-302	6	610B — Operating Methods	167-697-301	1	663A (J86912A) — Operating Methods
167-684-303	1	610C (J86803) — Operating Methods	167-697-302	1	663B (J86913A) — Operating Methods
167-684-304	5	610D (J86807) — Operating Methods	167-697-303	2	663C (J86914A) — Converter Power Plant — Operating Methods
167-684-305	1	610F (J86901A, L1) — Operating Methods	167-697-306	1	664A (J86920) — Converter Power Plant — 24 Volts, 40 Amperes
167-685-301	5	651A (J86809) — 130 Volts Output — Operating Methods	DC Power Plants — 700-Type		
167-686-100	1	660-Type Converter Power Plant — + or - 130 Volts, 15 Amperes — Description	167-705-301	6	702C (J96475) — Arranged for Automatic Start Control — Operating Methods
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167-686-301	4	660-Type — J86882A, J86883A, J86884A — 130-Volt DC Output Operating Methods	167-706-311	5	704C (J86590) — 48 Volts — Operating Methods
167-687-301	2	670A (J86879A) — Operating Methods	167-708-301	3	708A — Operating Methods
167-688-301	1	672A (J87811A) — Operating Methods	AC and DC TRIPORTS		
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167-689-101	1	620A Power Plant — Theory	167-712-100	1	J85517A—TRIPORT* Uninterruptible Power Supply — 208 Volts, 5.6 KVA, Single Phase—Operating Methods
▲ ♣ 167-689-102	1	620A Power Plant	<i>*Trademark of Western Electric.</i>		
167-689-103	1	620C (J86925) and 625C (J86926) Power Plant — Description	Add 167-712-101	1	
167-689-401	1	673A (J86915) Converter Power Plant — +130 Volts, 0.5 Ampere — Operating Methods	167-712-101	1	J85518A — AC TRIPORT* Uninterruptible Power Supply — 120/208 Volts, 5.6 KVA, Single Phase — Operating Methods
167-689-402	2	673B (J86921A) Converter Power Plant — +130 Volts, 4.2 Amperes — Operating Methods	<i>*Trademark of Western Electric</i>		
167-690-100	1	625B (J86903) Power Plant — Description	167-712-102	1	J85527A — "TRIPORT*" II Power Supply — 120 Volts, 5.6 KVA, Single Phase — Operating Methods
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▲ ♣ 167-690-102	1	625B Power Plant	Ringin, Signaling, and Tone Power Plants — 800-Type		
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167-691-101	1	630A (J86900) Power Plant — Theory			
▲ ♣ 167-691-102	1	630A Power Plant			
167-691-301	1	630A — Using DC-to-DC Converters — 24 Volts, 300 Amperes and 48 Volts, 150 Amperes Output — 140 Volts Input — Operating Methods			

SECTION 167-000-000

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167-721-311	4	803C (J86555) — Operating Methods
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167-722-311	6	804C (J86451) — Operating Methods
167-722-316	2	804D (J86477A L1 and L2) — Operating Methods
167-723-311	4	805C (J86428A) — Operating Methods
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167-724-326	5	806F (J86456) — Operating Methods
167-724-331	8	806H (J86815A and J86815B) — Operating Methods
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167-725-311	4	807C (J86817A) — Operating Methods
167-725-315	6	807D (J86829) — Tone Power Plant — Operating Methods
167-725-316	3	807E (J86839A) — Operating Methods
167-725-317	3	807F (J87813) — Operating Methods
167-725-318	4	807G (J87814) — Operating Methods
167-725-320	1	807E (J86839A) — Tone Power Plant — Description
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167-726-101	1	808A (J86834) — Theory
▲ ♠ 167-726-102	1	808A Ringing and Tone Plant
167-726-301	7	808A (J86834) — Operating Methods
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▲ ♠ 167-727-107	1	812A Ringing and Tone Plant
167-727-301	3	812A (J87801) — Operating Methods
167-728-100	1	820A (J87822) — Ringing, Tone, and Interrupter Plant — Description
167-728-101	1	820A (J87822) Ringing, Tone, and Interrupter Plant — Theory
▲ ♠ 167-728-102	1	820A Ringing, Tone, and Interrupter Plant
167-728-301	3	856A (J87820) — Operating Methods
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167-732-301	6	841A (J87804) — Operating Methods

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167-734-301	4	853A (J87809) — Operating Methods
167-735-301	3	862A (J87810) — Operating Methods
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167-736-301	4	863A (J86881) — Operating Methods
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167-738-301	2	872A (J87808) — Operating Methods
167-738-400	1	881A (J87824) — Ringing and Tone Plant — Description and Theory

Miscellaneous Power Supplies

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167-741-311	2	J86453 — 130 Volts — Operating Methods
167-742-301	1	NIFE Battery Charger — Operating Methods
167-743-301	1	Small Ringing Equipment — J86212K — Operating Methods
Add 167-750-301	1	
167-750-301	1	Automatic Reserve Power Plant — J86646A, B, or C — 480 or 4160 Volts AC — 2.1 to 7.5 Megawatt — Operating Methods
167-750-302	1	J86740 System Control Bay — Automatic Control for Engine Alternator Sets — Maintenance and Trouble Locating
167-760-301	2	For No. 1 Accounting Center — Automatic Message Accounting Systems — Operating Methods
167-761-301	1	SD-1G055-01 Using 48-Volt Lorain T603B-1 and 130-Volt J86256A Rectifiers — Operating Methods
167-767-301	6	J86440A and J86470U — 24 Volts, 12 and 40 Amperes — Operating Methods
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167-768-301	2	J86454, 130-Volt Reserve — for Type "O" Carrier Repeaters — Operating Methods
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167-769-301	5	J86473A — Operating Methods
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167-770-301	4	J86474 DC — Operating Methods
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167-770-306	1	J86487A — +220V, +135V, -11V DC, and 110V AC — TH Radio — Operating Methods

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167-772-301	1	J86494 — Operating Methods	167-783-301	2	J87279A Regulator — 19 Volts, 4 Amperes — Operating Methods
167-773-301	1	J86637 — Operating Methods	167-784-301	1	(J86811) for Traffic Data Summarizer — Operating Methods
Add 167-774-301	1		167-785-301	1	J87300 — Remote Test Voltage Supply Circuit — Operating Methods
167-774-301	2	J86496 — Positive or Negative 24-Volt 0 to 30 Amperes — Operating Methods	167-787-301	1	J87321 — Constant Current — Operating Methods
♥ 167-775-301	1	Precise Tone Power Plant — J86847A AUTOVON (Automatic Voice Network) — Operating Methods	Add 167-789-301	1	
167-776-301	4	J86858 — Operating Methods	167-789-301	1	Ring and Tone Power Plant — J29179A-50 — No. 5A Crossbar — Operating Methods
167-777-301	2	J86643 — Operating Methods	167-789-302	1	-48 Volts, 400 Amperes — No. 5A Crossbar — Operating Methods
167-778-301	1	J87213A — Operating Methods	167-789-303	1	No. 5A Crossbar System — 130 Volts DC, 15 Amperes — Operating Methods
167-779-301	1	J87203A — Operating Methods			
167-780-301	4	J86835A — Operating Methods			