

| EQUIPMENT TEST LIST | | | | | | |
|---------------------|-------------|---------------------|--|-------|-------|------------|
| B.S.P. | I S S | TEST OR REQT. | EQUIPMENT AND WORK DESCRIPTION | CLASS | FREQ. | JOB NO. |
| 167-620-301 | 5 | | 301C POWER PLANT AUTOMATIC START CONTROL | | | |
| (Page 2) | | — | Observe Float Voltage — Main Battery and EM Cell | MW | W | |
| | | 4.02 | Check Operation of Plant | MW | 3M | |
| | | 4.03 | -4.07 Check Fuse Alarm Operation | MW | 12M | |
| | | 4.08 | Check Charging Unit Failure Alarm | MW | 12M | |
| | | 4.09 | Check Overload Alarm | MW | 12M | |
| | | 4.10 | -4.14 Check High- and Low-Voltage Alarm | MW | 12M | |
| | | 4.15 | Check Voltage Controller (Float Alarm) | MW | 12M | |
| | | 4.16 | Check Emergency Cell Lamp | MW | 3M | |
| | | 4.17 | -4.18 Check Countercell Voltage Control Alarm | MW | 12M | |
| | | 4.19 | Check Alarm Multiple | MW | 12M | |
| | | 4.21 | Check BAT Voltmeter Accuracy | MW | 12M | |
| | | 4.22 | -4.24 Check Operation of Charging Units Not Supplying Load | MW | 3M | |
| | | 4.25 | Check Charge Voltage Operation | MW | 3M | |
| | | 4.26 | -4.27 Check Operation of Overload Relay | MW | 3M | |
| | | 4.28 | Check Droop Point Adjustment | MW | 3M | |
| | | 4.29 | -4.30 Check Settings of Generator Rheostats on Charging Units | MW | 12M | |
| | | 4.31 | -4.34 Check Ammeter Relay Adjustment | MW | 12M | |
| | | 4.35 | Check Current Limiting Adjustment | MW | 12M | |
| | | 4.36 | -4.37 Check Emergency Cell Switch | MW | 3M | |
| 167-620-306 | 4 | | 301C POWER PLANT MANUAL START CONTROL | | | |
| (Page 3) | | — | Observe Float Voltage — Main Battery and EM Cells | MW | W | |
| | | 4.02 | Check BAT Voltmeter Accuracy | MW | 12M | |
| | | 4.03 | | | | |
| | | (a) | Check CB (Reverse Current) Relay | MW | 12M | |
| | | (b) | Check CC (Constant Current) Relay | MW | 12M | |
| | | 4.04 | Check Ammeter Relay (Commercial-Type Generators) | MW | 12M | |
| | | 4.05 | Check Overload Relay (Commercial-Type Generators) | MW | 12M | |
| | | 4.06 | Check Motor-Driven Rheostat Adjustment | MW | 12M | |
| | | 4.07 | -4.09 Check Fuse Alarms | MW | 12M | |

Instructions: See Section 167-001-010, Par. 3.04 and 3.05.

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| B.S.P. | ISS | TEST OR REQ. | EQUIPMENT AND WORK DESCRIPTION | CLASS | FREQ. | JOB NO. |
|-------------|-----|--------------|---|-------|-------|---------|
| 167-620-306 | 4 | | (Cont) | | | |
| | | 4.10 | Check Charging Unit Failure Alarm | MW | 12M | |
| | | 4.11 | -4.14 Check Voltage Control Alarms | MW | 12M | |
| | | 4.15 | Check Low- and High-Voltage Alarms | MW | 12M | |
| | | 4.16 | Check Voltage Controller (Float Alarms) | MW | 12M | |
| | | 4.17 | Check Emergency Cell Lamps | MW | 12M | |
| | | 4.18 | Check Countercell Voltage Control Alarms | MW | 12M | |
| | | 4.19 | Check Alarm Multiple | MW | 12M | |
| | | 4.20 | Check Emergency Cell Switch | MW | 12M | |
| 167-621-301 | 7 | | 302A POWER PLANT J86434 | | | |
| (Page 4) | | — | Observe Float Voltage — Main Battery and EM Cells | MW | W | |
| | | 4.02 | Check Operation of Plant | MW | 3M | |
| | | 4.03 | Check BAT Voltmeter Accuracy | MW | 12M | |
| | | 4.04 | Check Operation of G-Zero Rectifiers Not Supplying Load | MW | 12M | |
| | | 4.05 | Check Operation of G1 Through G10 Charging Units Not Supplying Load | MW | 12M | |
| | | 4.06 | -4.10 Check G1 and G2 Generator Adjustments | MW | 12M | |
| | | 4.11 | Check Voltage Regulator and Exciter Control Adjustments | MW | 12M | |
| | | 4.12 | -4.14 Check G3 Through G10 Generator Adjustments | MW | 12M | |
| | | 4.15 | Check Motor-Driven Rheostat | MW | 12M | |
| | | 4.16 | Check OL (Overload) Relay | MW | 12M | |
| | | 4.17 | Check G1 and G2 Rectifier Adjustments | MW | 12M | |
| | | 4.18 | Check G3 Through G10 Rectifier Adjustments | MW | 12M | |
| | | 4.19 | Check G-Zero Rectifier Adjustments | MW | 12M | |
| | | 4.20 | Check Two-Step Motor Generator Adjustments | MW | 12M | |
| | | 4.21 | Check Emergency Cell Trickle Chargers | MW | 3M | |
| | | 4.22 | -4.26 Check Fuse Alarms | MW | 12M | |
| | | 4.27 | -4.28 Check Charging Unit Failure Alarms | MW | 12M | |
| | | 4.29 | -4.32 Check Voltage Control Alarms | MW | 12M | |
| | | 4.33 | Check High Voltage (HV) Relay | MW | 12M | |
| | | 4.34 | Check Emergency Cell Lamp | MW | 3M | |

Instructions: See Section 167-001-010, Par. 3.04 and 3.05.

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| EQUIPMENT TEST LIST | | | | | | |
|---------------------|-------------|---------------------|--|-------|-------|------------|
| B.S.P. | I S S | TEST OR REQT. | EQUIPMENT AND WORK DESCRIPTION | CLASS | FREQ. | JOB NO. |
| 167-621-301 | 7 | | (Cont) | | | |
| | | 4.35 | -4.37 Check Countercell Voltage | MW | 12M | |
| | | | Control Alarms | | | |
| | | 4.38 | Check Alarm Multiple | MW | 12M | |
| 167-622-301 | 1 | | 302B POWER PLANT | | | |
| (Page 4) | | — | Observe Float Voltage — Main Battery and EM Cells | MW | W | |
| | | 4.02 | Check Operation of Plant | MW | 3M | |
| | | 4.03 | Check G Charging Units | MW | 12M | |
| | | 4.04 | Check Emergency Cell Float Rectifiers | MW | 3M | |
| | | 4.05 | Check Boost Charge of Main Battery | MW | 3M | |
| | | 4.06 | -4.09 Check Fuse Alarm | MW | 12M | |
| | | 4.10 | Check Charging Unit Failure Alarm | MW | 12M | |
| | | 4.11 | -4.15 Check Voltage Control Alarm | MW | 12M | |
| 167-623-301 | 4 | | 303A POWER PLANT J86327 | | | |
| (Page 5) | | — | Observe Float Voltage — Main Battery and EM Cell | MW | W | |
| | | 4.01 | Check Operation of Plant | MW | 3M | |
| | | 4.03 | Check Operation of Rectifiers Not Supplying Load | MW | 3M | |
| | | 4.04 | Check Emergency Cell Switch | MW | 3M | |
| | | 4.05 | Check Boost Charge | MW | 3M | |
| | | 4.06 | Check BAT-DISCH Voltmeter Accuracy | MW | 12M | |
| | | 4.07 | -4.10 Check Alarms | MW | 12M | |
| 167-624-301 | 1 | | 326A POWER PLANT | | | |
| (Page 5) | | — | Observe Float Voltage — Main Battery | MW | W | |
| | | 3.03 | Check Boost Charging of Main Battery | MW | 3M | |
| | | 4.03 | Check Rectifier Voltage and Current Limit Adjustment and Operation of Rectifiers at Full and No Load | MW | 3M | |
| | | 4.04 | Check Fuse Alarms | MW | 12M | |
| | | 4.05 | Check Rectifier Failure Alarm | MW | 12M | |
| | | 4.06 | Check High- and Low-Voltage Alarms | MW | 12M | |
| 167-643-301 | 4 | | 410A AUTOMATIC POWER PLANT | | | |
| Addendum | 1 | | | | | |
| (Page 6) | | | | | | |

Instructions: See Section 167-001-010, Par. 3.04 and 3.05.

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| EQUIPMENT TEST LIST | | | | | | |
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| B.S.P. | I S S | TEST OR REQT. | EQUIPMENT AND WORK DESCRIPTION | CLASS | FREQ. | JOB NO. |
| 167-645-306 | 4 | | 420B POWER PLANT NO AC POWER AVAILABLE | | | |
| (Page 7) | | 2.06 | Engine Set Maintenance | MW | * | |
| | | | <i>*Refer To Appropriate Bell System Practices</i> | | | |
| | | 2.10 | Generator Maintenance | MW | 6M | |
| | | 2.15 | Engine Set Maintenance | MW | * | |
| | | | <i>*Refer To Appropriate Bell System Practices</i> | | | |
| | | 2.24 | Check Battery Voltage | MW | 6M | |
| | | 2.25 | Routine Battery Checks | MW | 6M | |
| | | 3.03 | Check Low-Voltage Transfer Equipment | MW | 6M | |
| | | 4.01 | -4.02 Check 24-Volt Supply For Type "J" | MW | 6M | |
| | | | Carrier Pilot Channel Relays | | | |
| | | 5.02 | Check 55-Volt AC and 140 Volt DC Supplies | MW | 6M | |
| | | | For KI Carrier | | | |
| | | 6.01 | Check 55-Volt Plant for "J" Carrier | MW | 6M | |
| | | | (See 5.03 and 5.04) | | | |
| | | 7.03 | Check Common Grid Battery Control | MW | 6M | |
| 167-646-312 | 3 | | 425A POWER PLANT (J86832) 12V, 1600A | | | |
| (Page 10) | | 4.02 | Check Overcharge Operation | MW | 3M | |
| | | 4.06 | Check C Load Contactor | MW | 12M | |
| | | 4.07 | Test All Alarms | | | |
| | | (a) | Control and Rectifier Fuse Alarms | MW | 12M | |
| | | (b) | Discharge Fuse Alarm | MW | 12M | |
| | | (c) | Float Voltage and High Voltage Alarm | MW | 12M | |
| | | (d) | Float Low Voltage, Rectifier OFF, and Rectifier | MW | 12M | |
| | | | Low Current Alarms | | | |
| | | (e) | Low Voltage Alarms | MW | 12M | |
| | | 4.08 | Check Float Voltage | MW | W | |
| | | — | Calibrate Voltmeter | MW | 12M | |
| 167-649-301 | 1 | | 411A (J86862) AND 411B (J86863) POWER PLANT | | | |
| (Page 10) | | 3.02 | | | | |
| | | (c) | Check Battery Float Voltage | MW | W | |
| | | 4.04 | Check Fuse Alarms | MW | 12M | |
| | | 4.05 | Check Rectifier Failure Alarms | MW | 12M | |
| | | 4.06 | Check High-Low Voltage Alarms | MW | 12M | |
| | | 4.07 | Check BATTERY Voltmeter | MW | 12M | |
| 167-649-302 | 1 | | 412A (J86864) AND 412B (J86865) POWER PLANTS | | | |
| (Page 10) | | 3.03 | | | | |

Instructions: See Section 167-001-010, Par. 3.04 and 3.05.

| EQUIPMENT TEST LIST | | | | | | |
|-----------------------|-------------|---------------------|--|-------|-------|------------|
| B.S.P. | I S S | TEST OR REQT. | EQUIPMENT AND WORK DESCRIPTION | CLASS | FREQ. | JOB NO. |
| 167-649-302 | 1 | | (Cont) | | | |
| | | (c) | Check Battery Float Voltage | MW | W | |
| | | 4.05 | Check Fuse Alarms | MW | 12M | |
| | | 4.06 | Check Rectifier Failure Alarms | MW | 12M | |
| | | 4.07 | Check High-Low Voltage Alarms | MW | 12M | |
| | | 4.08 | Check BATTERY-DISCHARGE Voltmeter | MW | 12M | |
| 167-671-326 | 5 | | 505D POWER PLANT | | | |
| Addendum (Page 13) | 1 | 5.05 | | | | |
| | | (22) | Check Cable Current Monitor Switch Calibration | MW | 6M | |
| | | (27) | Check Overload Tripping Relay | MW | 6M | |
| 167-672-301 | 4 | | 508A POWER PLANT | | | |
| Addendum (Page 13) | 1 | | | | | |
| 167-675-301 | 1 | | 521A POWER PLANT | | | |
| (Page 13) | | 4.02 | Calibrate OUTPUT VOLTAGE (M2) AC Voltmeter | MW | 12M | |
| | | 4.03 | Check Early Warning Monitor | MW | 3M | |
| | | 4.05 | Check Inverter Transfer Monitor | MW | 3M | |
| | | 4.07 | Check Inverter Shutdown Monitor | MW | 3M | |
| | | 4.09 | -4.12 Check Fuse Alarms | MW | 12M | |
| | | 4.18 | Check Power Control Failure Alarm | MW | 12M | |
| | | 4.19 | Check Cable Overcurrent Monitor Switch | MW | 3M | |
| | | 4.20 | Check PS2 Systems Cable Overcurrent Monitor Switch | MW | 3M | |
| | | 4.21 | Check Electronic Regulator Failure Alarm | MW | 3M | |
| | | 4.22 | Check Fuse Alarm | MW | 12M | |
| 167-676-301 | 1 | | COMBINATION 505D/521A POWER PLANT | | | |
| (Page 13) | | 4.05 | Check Regular and Emergency Standby Motor-Alternators | MW | 12M | |
| | | 4.09 | Check Early Warning Monitor | MW | 3M | |
| | | 4.11 | Check Inverter Transfer Monitor | MW | 3M | |
| | | 4.13 | Check Inverter Shutdown Monitor | MW | 3M | |
| | | 4.14 | -4.18 Check Fuse Alarms | MW | 12M | |
| | | 4.24 | Check Power Control Failure Alarm | MW | 12M | |
| | | 4.25 | Check Cable Overcurrent Monitor Switch | MW | 12M | |
| | | 4.27 | Check Electronic Regulator Failure Alarm | MW | 12M | |
| | | 4.28 | Check Fuse Alarm | MW | 12M | |

Instructions: See Section 167-001-010, Par. 3.04 and 3.05.

EQUIPMENT TEST LIST

| B.S.P. | I S S | TEST OR REQT. | EQUIPMENT AND WORK DESCRIPTION | CLASS | FREQ. | JOB NO. |
|-------------|-------------|---------------------|--|-------|-------|------------|
| 167-684-302 | 3 | | 610B POWER PLANT | | | |
| (Page 14) | | — | Check Output Voltage | MW | W | |
| | | 4.02 | Check Step Regulator | MW | 12M | |
| | | 4.03 | Check NV Alarm (Single Converter) | MW | 12M | |
| | | 4.04 | Check NV Alarm (Duplicate Converter) | MW | 12M | |
| | | 4.05 | Check FA Alarm | MW | 12M | |
| | | 4.08 | Check HV Alarm (Single Converter) | MW | 12M | |
| | | 4.09 | Check HV Alarm (Duplicate Converter) | MW | 12M | |
| 167-686-301 | 1 | | 660-TYPE POWER PLANT | | | |
| (Page 14) | | — | Check Output Voltage | MW | W | |
| | | 4.01 | Check Load Bus Bar Alarm Fuse Alarm | MW | 12M | |
| | | 4.02 | Check Converter Failure Alarms | MW | 12M | |
| | | 4.03 | Check Converter Indicating No Output Current | MW | 3M | |
| 167-687-301 | 1 | | 670A (J86879A) POWER PLANT | | | |
| (Page 14) | | 4.03 | Check Output Voltage | MW | W | |
| | | 4.04 | Check OUTPUT VOLTAGE Meter Accuracy | MW | 12M | |
| | | 4.05 | Check Load Distribution Fuse Alarm | MW | 12M | |
| | | 4.06 | Check ± 130 Volt Bus Low Voltage Alarm | MW | 12M | |
| | | 4.07 | Check Plant Capacitor Fuse Alarm | MW | 12M | |
| | | 4.08 | Check Converter Failure Alarms | MW | 12M | |
| 167-643-301 | 5 | | 410A AUTOMATIC POWER PLANT | | | |
| (Page 6) | | 4.01 | Check Battery Float Voltage | MW | W | |
| | | 4.03 | Check Idle Rectifier Operation | MW | 3M | |
| | | 4.04 | Check Rectifier Failure | MW | 3M | |
| | | 4.05 | Check CEMF or Resistor Control | MW | 3M | |
| | | 4.06 | Simulate AC Failure | MW | 3M | |
| | | 4.07 | Check Fuse Alarms | MW | 12M | |
| | | 4.08 | Check Rectifier and Rectifier-Inverter Failure | MW | 12M | |
| | | 4.14 | Check Float Alarm | MW | 12M | |
| | | 4.15 | Check High-Low Alarm | MW | 12M | |
| | | 4.16 | Check Unbalance Alarm | MW | 12M | |
| | | | Calibrate Voltmeters | MW | 12M | |
| | | | Inspect for Loose Connections and Hot Fuses | MW | 12M | |
| 167-648-301 | 2 | | 426A POWER PLANT — 130V 40A | | | |
| (Page 10) | | 4.01 | Check Idle Rectifier Operation | MW | 6M | |
| | | 4.04 | Alarm Checks | MW | 12M | |

Instructions: See Section 167-001-010, Par. 3.04 and 3.05.

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