don hillman, inc.
POWER SYSTEMS
1714 WEST STATE ROAD 84 • FORT LAUDERDALE, FL 33315 • **Phone: (954) 467-6755**

☐ **FULL SERVICE VISIT** ☐ **INSPECTION VISIT**

| W.O. # | |
|---|---|
| Date: | |

| CUSTOMER NAME: | ADDRESS: | MODEL: |
|---|---|---|
| UNIT #: | CITY: STATE: ZIP: | SERIAL # |

## PLACE CONTROLLER SWITCH IN OFF POSITION

**BATTERY**

1. Generator Hours _____Start /_____Completed
2. _____ Battery Cables and Connections Clean /Tight
3. _____ Battery Charger Operational _____Voltage/**Disable To Test Batteries**
4. _____ Electrolyte Level_____
5. _____ Battery Volts_____ (IE 13.2 or 26.5)
6. _____ Battery Load Test. Group _____ Post Type _____
   Volts _____ CCA _____ Volts _____ CCA _____
   Volts _____ CCA _____ Volts _____ CCA _____

**RADIATOR**

7. _____ Cooling System Level
8. _____ Cooling System Test Results _____
   Freeze Point: _____ SCA _____
9. _____ Pressure Test (if needed) _____ Minutes Held _____
10. _____ Radiator Cap Condition, Test Pressure _____
11. _____ Radiator Condition
12. _____ Cooling System Hoses Flexible, Clamps Tight

**BELT**

13 _____ Fan Belt (s) Adjusted to Correct Tension, or Automatic Tensioner Functioning Properly
   Fan Belt (s) Condition (Not Worn, Cracked or Glazed)

**OIL**

14. _____ Check Oil Level, Type, Consistency Add if Necessary
15. _____ Date of Last Oil and Filter Change _____ (MM/YY)

**FUEL**

16. _____ Check Day Tank for Proper Operation & Leaks.
   Fuel Level Day Tank _____ Main Tank _____

**MISC.**

17 _____ Air Filter Clean and Unrestricted, if Oil Bath Check Level and Fill if Necessary
18. _____ Check Exhaust System (No Leaks, Rain Cap)
19. _____ Engine Jacket Heater Operational
20. _____ If Gaseous Unit, Check Rotor, Cap, Points and Leads (As Necessary)
21. _____ Check Spark Plug Condition at every Preventative Maintenance Service
22. _____ Check Condition of Generator Room
23. _____ Plant Exercisor Set Day _____ Time _____
24. _____ Check Transfer Switch General Condition, # of Transfer Switched Checked

## MANUALLY START GENERATOR, TEST SAFETIES, NO LOAD

25. Battery Charging Output Current Immediately After Start Up _____ AMPS
26. Coolant Temperature Immediately After Start Up _____ °F
27. Oil Pressure Immediately After Start Up _____ LBS
28. _____ Raw Water Cooling or Heat Exchanger. Verify Water Solenoid is Open and Drain is Draining
29. _____ Volts AC L1-2 _____ L2-3 _____ L3-1 _____
30. _____ Hertz at No Load
31. _____ Low Coolant Level Safety Shutdown (When Possible)
32. _____ Overcrank Safety Shutdown
33. _____ Pre and High Engine Temp Safety Shutdown (When Possible)
34. _____ Pre and Low Oil Pressure Safety Shutdown (When Possible)
35. _____ Other Safety _____
36. _____ Clear Faults, Reset Breaker, Return to Auto Start

## PUT GENERATOR ONLINE BY SIMULATING POWER FAILURE AT ATS

*(If permitted by customer_____ )*

37. Seconds to Start _____
38. Seconds to Transfer _____ (Check Generator IF HZ<58HZ)

## TERMINATE LOAD TEST

39. _____ Hertz Under Load
40. A/C Volts Generator Output (If Low or High TERMINATE Load Test)
    L1-2 _____ L2-3 _____ L3-1 _____
41. AMPS Generator Output L1-2 _____ L2-3 _____ L3-1 _____
42. _____ Check Generator for Unusual Noises and Vibration
43. _____ Verify Cooling System Thermostat is Operational
44. _____ Coolant Temperature HOT_____ °F
45. _____ Pounds Oil Pressure HOT_____ LBS
46. _____ Lamp Test/Indicator Light(s) Operational
47. _____ Battery Volts During Load Test___

## RESTORE NORMAL POWER

48. Re-transfer Time to Normal Power _____ Min/Sec
49. Cool Down Time _____ Min.Sec
50. _____ **Switch Unit to Auto** _____ **Battery Charger ON**
51. _____ Date & Initial Inspection or Service Sticker
52. _____ Sign General Log (if applicable)

MInor Repairs and Adjustments Made: _____

Repairs to be Quoted/Comments: _____

| Technician Signature: | Owner/Agent Signature: | **Preventative Maintenance Inspection Check List:** |
|---|---|---|
| | | *NA = Not Applicable* *US = Checked Unsatisfactory* |
| | | *S = Check Satisfactory* *UC = Unchecked Per Customer* |
| | | *AS = Adjusted to Satisfactory* *U = Unchecked* |