



Generator Installation Checklist

The Following Installation Checks Must Be Made Before Initial Start-Up:

NOTE: This form is to be used as a general guide, along with reference to any applicable codes or standards, ultimate compliance must be with applicable codes and standards.

- ☐ 1. Equipment installed in dedicated, fire-proof room, or outdoor weather housing?
- ☐ 2. Battery-powered emergency lighting installed in equipment room? Outdoor weather housing should have a battery-powered drop cord or flashlight.
- ☐ 3. Adequate clearance on all sides to allow ease of maintenance?
- ☐ 4. Proper construction and leveling of mounting bases?
- ☐ 5. Minimum 6-inch (15.24cm) clearance between engine and floor?
- ☐ 6. Adequate heating for equipment room or outdoor weather housing?
- ☐ 7. Adequate incoming and outgoing air (louver motors adjusted and of proper voltage)?
- ☐ 8. Radiator duct flange properly sized and connected?
- ☐ 9. Cooling system properly filled (50/50 antifreeze/water)?
- ☐ 10. Proper level of specified oil in crankcase?
- ☐ 11. Adequate/dedicated fuel supply?
- ☐ 12. Flexible sections installed in cooling water lines?
- ☐ 13. Manually-operatable fuel and cooling water valves installed, allowing manual operation of or bypass of solenoid valves when used?
- ☐ 14. Flexible fuel lines installed between engine and fuel piping?
- ☐ 15. Fuel tanks and piping installed in accordance with applicable codes and standards?
- ☐ 16. Adequate fuel transfer tank pump lift and pump motor properly wired?
- ☐ 17. Adequate gas pressure — 4-6 oz./square inch (7-11 inches of water column) to inlet on regulator?
- ☐ 18. Gas solenoid valve properly functioning?
- ☐ 19. Proper size exhaust line and flexible connector(s)? Flexible connector(s) should not be bent.
- ☐ 20. Exhaust lines condensate trap with drain installed?
- ☐ 21. Exhaust line installed with proper downward outgoing incline?
- ☐ 22. Proper-specified muffler installed with hangers and mounts tight?
- ☐ 23. Exhaust line free of excessive bends and restrictions? Back pressure under specified limit?
- ☐ 24. Exhaust line protected from entry by rain, snow, and animals?
- ☐ 25. Approved heat-isolating thimble(s) installed at points where exhaust line passes through combustible wall(s) or partitions(s)?
- ☐ 26. Exhaust system termination located to prevent entry of exhaust gases into building or structures?
- ☐ 27. Battery(ies) of proper size and voltage?
- ☐ 28. Battery(ies) filled with electrolyte and properly connected to charger?
- ☐ 29. Battery charger AC circuit properly connected and charger operational?
- ☐ 30. Battery(ies) properly mounted with adequate ventilation?
- ☐ 31. Starting cables of proper length and gauge?
- ☐ 32. Starting cables properly connected to battery(ies)?
- ☐ 33. Generator load conductors of proper ampacity, and properly connected to circuit breakers, and/or emergency side of transfer switch?
- ☐ 34. Load conductors, engine start leads, battery charger cables, and remote annunciator leads installed in separate conduits?
- ☐ 35. Nameplate voltage and frequency of both generator set and transfer switch matching normal/utility source ratings?
- ☐ 36. Transfer switch AC conductors properly connected (Normal to NL1, N2, N3; Emergency to EL1, EL2, EL3; Load to LL1, LL2, LL3)?
- ☐ 37. Transfer Switch switching mechanism free from binding? NOTE: Disconnected all AC sources, and operate manually to check.
- ☐ 38. All other wiring, including customer added options, connected properly?
- ☐ 39. Equipment room clean with all materials not related to Emergency Power Supply System operation removed?
- ☐ 40. Equipment protected from damage from fire-extinguishing systems?
- ☐ 41. Equipment protected from lightning damage?
- ☐ 42. Earthquake protection adequate for equipment and support systems?

NOTE: Improper installation will void warranty.



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