

Ignition module connection and indication verification checklists:

For CC11-160 with backup battery system and both ignitions wired (primarily) directly to main battery.

WARNING: The ignition will be on for various steps, take care not to rotate the propeller or otherwise inadvertently start the engine.

The engine should be stopped for entire test. The main and backup batteries are connected and checked for at least 11V.

ABSOLUTE VERIFICATION OF LEFT AND RIGHT:

1. Key switch is OFF, RT IGN BACKUP BATTERY switch NORMAL, IGN L and IGN R circuit breakers (C/Bs) are **pulled out**.
 - a. Both red IGN LEDs extinguished.
 - b. RT IGN BACKUP BATTERY amber LED extinguished.
2. Physically disconnect the INPUT connector from the left ignition module.
3. Push in IGN L and IGN R C/Bs
4. Key switch to BOTH
 - a. L IGN SYS red LED illuminates
 - i. If TRUE then LEDs are indicating correctly.
 - ii. If R IGN SYS red LED illuminates then LEDs are wired wrong.
 - iii. If no LEDs illuminate, check for power to right ignition module.
5. Key switch to OFF, IGN L and IGN R C/Bs are **pulled out**.
6. Reconnect INPUT connector to left ignition module.
7. Push in IGN L and IGN R C/Bs.
8. Continue through QUICK CHECK.

QUICK CHECK for ignition connection and indication system

9. Verify IGN L and IGN R C/Bs are pushed in, RT IGN BACKUP BATTERY switch NORMAL.
10. Key switch to BOTH.

- a. IGN SYS red LEDs illuminate in turn and extinguish when BOTH is reached.
11. Pull out IGN L C/B.
- a. L IGN SYS red LED illuminates.
 - i. If TRUE then C/Bs are wired to correct ignition modules.
 - ii. If FALSE then C/Bs are wired wrong.
12. Key switch to R.
- a. L IGN SYS red LED stays illuminated.
 - i. If TRUE then key switch is wired to correct ignition modules.
 - ii. If FALSE then key switch is wired wrong.
13. Pull out IGN R C/B.
- a. L IGN SYS red LED extinguishes.
14. RT IGN BACKUP BATTERY switch to EMERGENCY.
- a. RT IGN BACKUP BATTERY amber LED illuminates.
 - b. L IGN SYS red LED illuminates.
 - i. If TRUE then backup battery system operating correctly.
 - ii. If FALSE then backup battery system wired wrong.
15. RT IGN BACKUP BATTERY switch to NORMAL.
- a. Amber and red LEDs extinguish.
16. Push in IGN L and IGN R C/Bs.
- a. L IGN SYS red LED illuminates
17. Key switch to LEFT
- a. L IGN SYS red LED extinguishes
 - b. R IGN SYS red LED illuminates
18. Turn key switch OFF
- a. All LEDs extinguished
19. DONE
- a. Engine operation check is part of pre-takeoff checklist.