

PARTS & SERVICE NEWS

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SUBJECT: Hints for trouble shooting**PURPOSE:** Battery main switch disconnect "ground" (GND)**APPLICATION:** PC4000-6; PC5500-1**FAILURE CODE:** D550KH**DESCRIPTION:**

- At PC4000 and PC5500 the main switches disconnect the ground line.
- Exception: Fuse F17 for radio, loader and the fire suppression system.

In contrast to our other models where the batteries "B+" is disconnectable by the battery main switches, on the PC4000 and PC5500 the battery main switches S2 and S3 disconnect the battery minus to the ground line (GND) of the excavator. (The main switch S2 disconnect only the ground line of one starter motor.)

All lines "B+" and "30" are always connected with battery plus independent of the battery main switches.

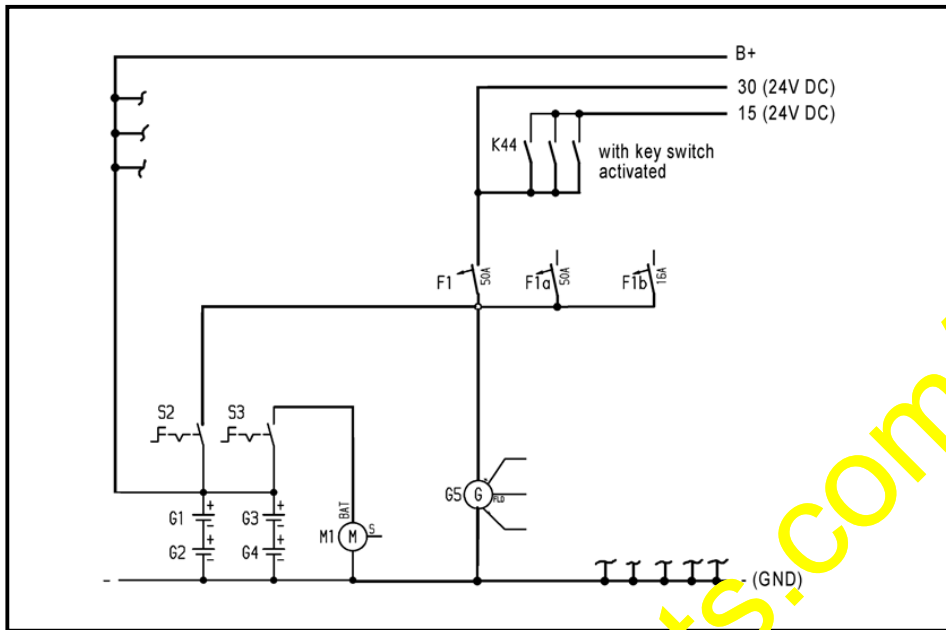
With the double circuit breaker F17 the permanent supply of +24V DC and battery "-" is disconnectable.

Disregarding this may lead to wrong interpretation of measuring results.

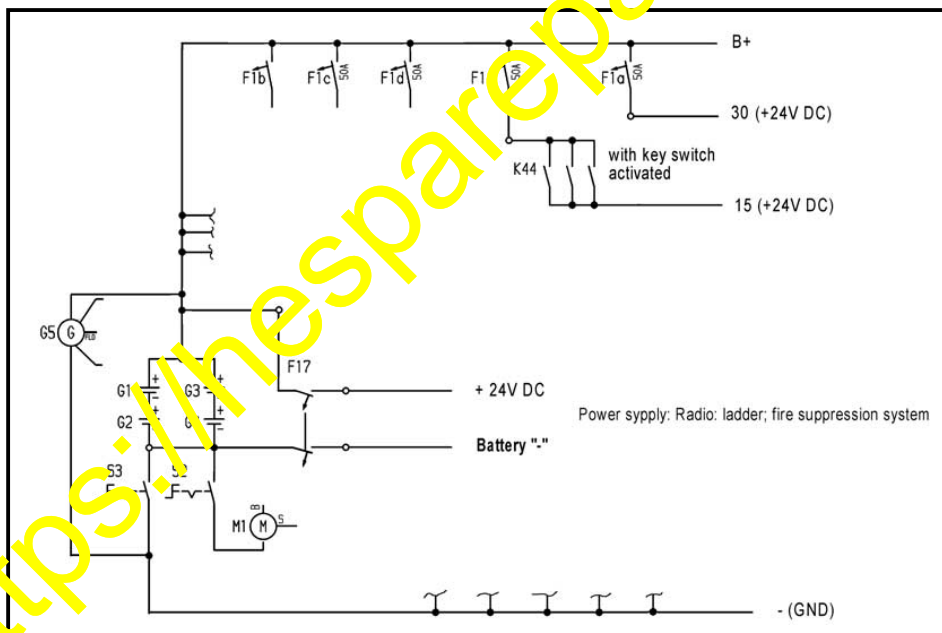


- **Never make a connection between F17 battery "-" and common "-" (GND).**

All models(except PC4000; PC5500) – power supply (simplified)



PC4000 AND PC5500 – POWER SUPPLY (SIMPLIFIED)



Symbol	Designation
G1; G2; G3; G4	battery
G5	alternator
M1	1 st starter
S2; S3	main switches
F1; F1a; F1b; F1c; F1d	main fuses
F17	fuse
K44	key switched relay for power supply
B+	battery "24V+" without fuse or switch
30	"24V+" via main fuse F1a or F1
15	"24V+" key switched via relay K44