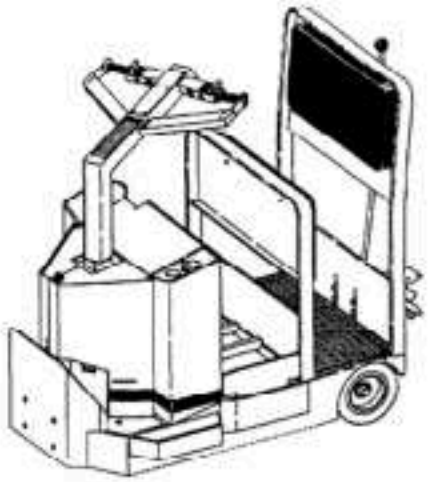
Service Manual



SM577
PT5, PT7,
PTT5, PTT7

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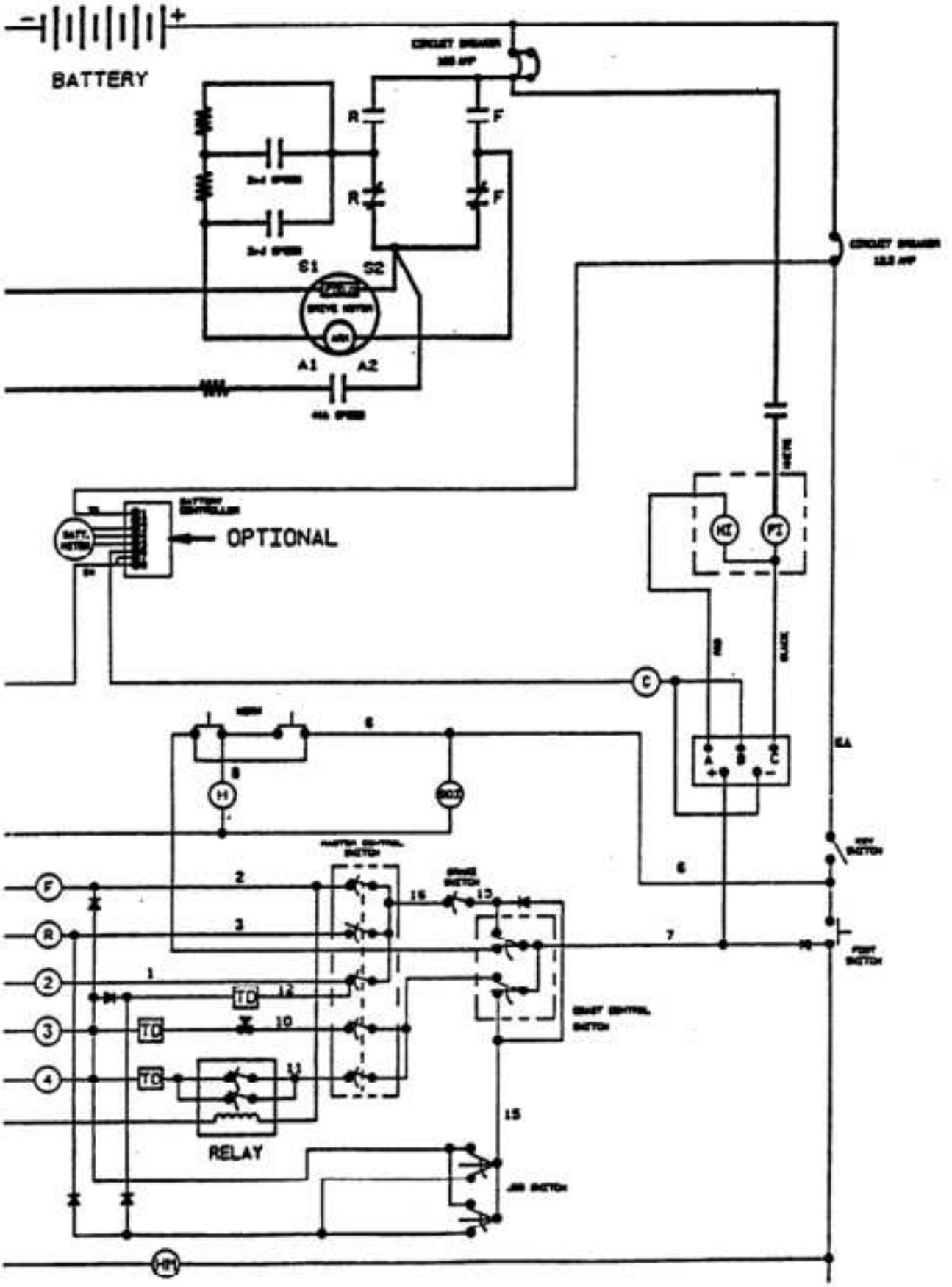
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PTT-7 RESISTOR ELECTRICAL SCHEMATIC



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4B Capacitor 1C

Disconnect the battery and discharge the capacitor. Measure ohms through the capacitor using the R x 10,000 scale. Meter should read zero and then swing slowly to above 100,000 ohms. Replace the capacitor if above reading is not obtained.

4C Contactors F, R, 1A and F

150 ampere contactors (see GEH-4469)
300 ampere contactors (see GEH-4469)

NOTE:

(1) Control is arranged so that the F and R contactors do not break current. Check to see that the 1A contactor drops out before the F or R contactor.

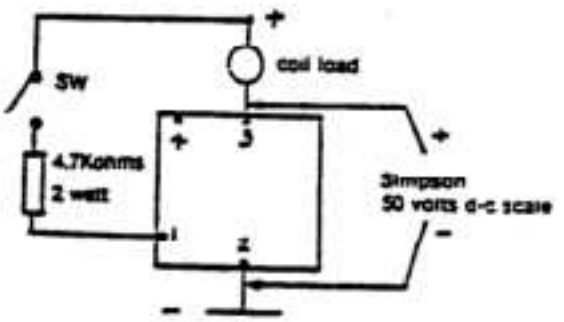
(2) Most contactor coils are polarity sensitive. The left-hand terminal must be connected to positive.

4D Potentiomenter in Accelerator

To check operation of the potentiometer, disconnect the battery and disconnect the wire at control card TB1. Connect a VOM to the wire that was removed from TB1 to negative. Place the VOM on teh R x 100 scale. With the accelerator in the creep speed position, the ohms reding should be 4800 to 6000 ohms. With the accelerator in the top speed position, the ohm reading should be 50 ohns or less. With the wire disconnected as above, check for resistance of 1 megohm or higher from pot wire to the truck frame.

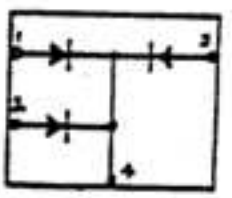
4E Coil Driver Module

(1) Connect circuit as shown.
(2) Voltmeter should read battery volts with switch open.
(3) Close switch and meter reading should be 3 volts or less.
(4) Move load to terminal 4 and repeat steps (2) and (3).



4F Hourmeter Module

Check individual diode circuits with trouble light or VOM.(4H)



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MASTER CONTROL SWITCH TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	REMEDIES
1. Handle is free and does not return to center	Broken return spring	Replace return spring
2. Switch binds	Mounting screws too tight	Loosen mounting screws just enough to eliminate binding
3. Snap switch contacts or poor switch lift	Contact material worn too thin	Replace switch
4. Switch contacts do not make, break, or carry load properly	Contact worn or welded	Replace switch(s)
	Cam may be deformed	Replace cam

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