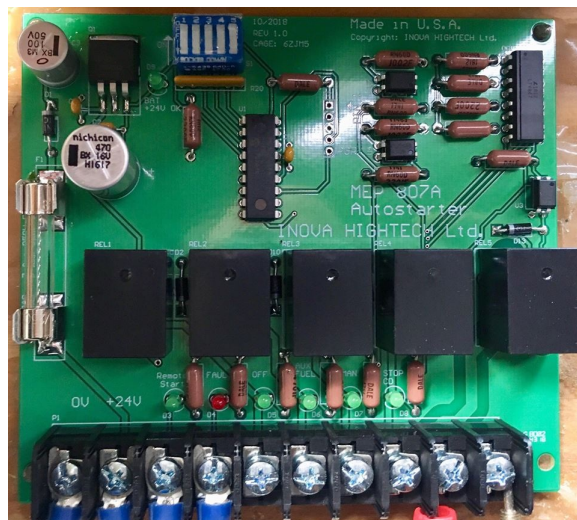


INOVA HIGHTECH Ltd.

MEP 807A Auto Starter Wiring Supplement



Wiring Instructions
for the
MEP 002/003 Auto / Remote Starter
for the following MEP Power Generators:

MEP 807A

Index

<i>Index</i>	1
<i>Differences between 003A and 807A, DIP Switches etc</i>	2
<i>Wiring Guide for START, RUN, COOLDOWN, STOP/RESET</i>	3
<i>Wiring Guide AUX FUEL and POWER ON Connections</i>	4

INOVA HIGHTECH Ltd.

15115 Chestnut Street

Basehor, KS 66007

U.S.A.

Tel: (913) 728 2662

Web Site: <http://www.inovahightech.com>

E-Mail: Sales@inovahightech.com

© 2018 INOVA HIGHTECH Ltd.

Difference between the 807A Board and the 002A/003A Board

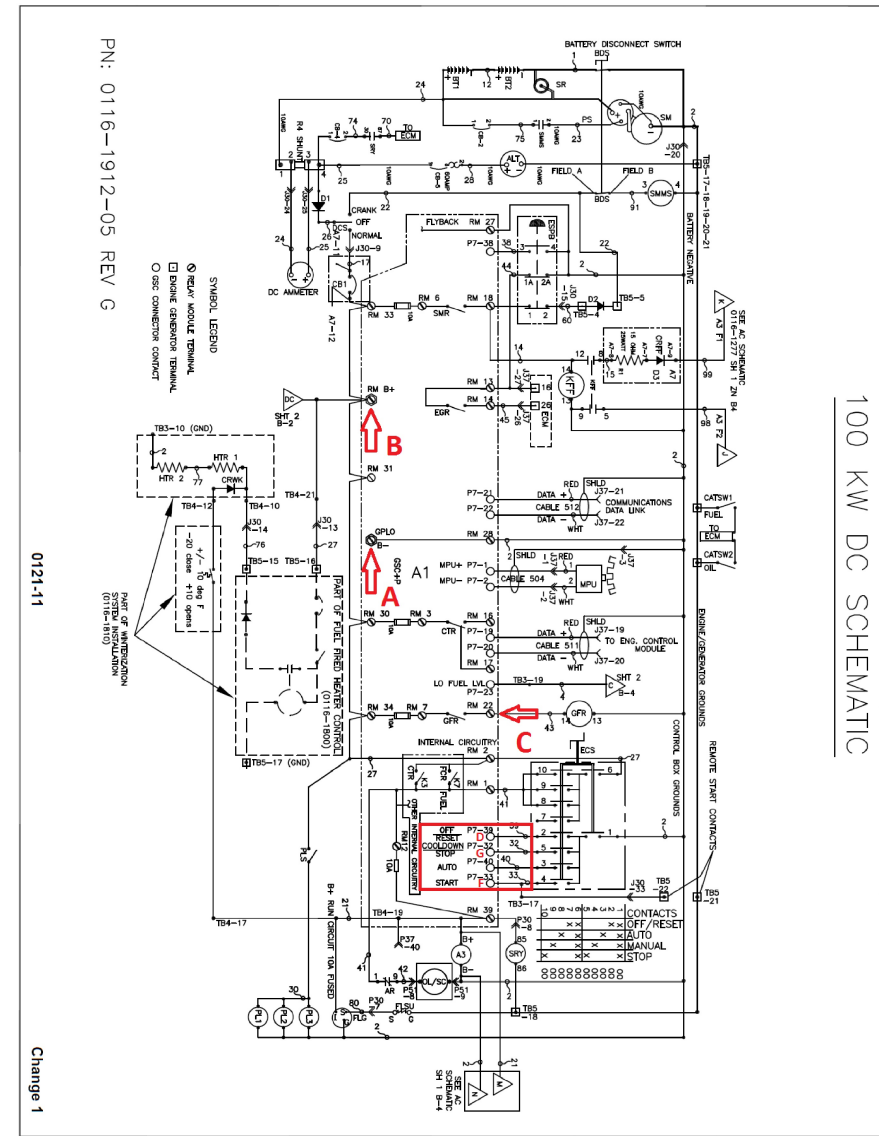
The 807A Software/Hardware affects/changes the following functions / Terminal Nomenclature:

1. Dip Switch Functions, Settings and Timing
2. Different Connections between the Board and the Cubicle
3. No external Contactor needed [utilizing internal K1]
4. No Pre Heat or Ether Injection
5. No ambient temperature dependent timing
6. The Aux Fuel Output is now on Terminals TB#9 and TB#10 (High Side Switch)
7. All Other Outputs to the Caterpillar Controller A1 and the POWER ON CIRCUIT are now all Low Side Switches
8. The FAULT Input will now additionally monitor Over Voltage, Low Fuel and Short Circuit, besides Oil Pressure and Over Temperature
9. When the Software detects a FAULT, then the RED FAULT LED will illuminate and the AUX Fuel Relay will come on and off as a substitute audible alarm. The Generator shuts down immediately upon a fault detection. The DC Power has to be turned off the entire cubicle for app. 10 seconds to reset the fault.
10. The Stop Output is activated within app. 5 seconds after DC Power has first been applied to the Autostart Board. Please do not apply a signal to Terminal TB# 3 Remote Start until after the GREEN OFF LED has illuminated.

All other instructions from the MEP 002A/003A Manual apply for these Gen Sets as well

DIP Switch Settings			
DIP SWITCH	Function	DIP SWITCH ON POSITION	DIP SWITCH OFF POSITION
1	AUX FUEL	YES	NO
2	Warm Up	5 min (300 sec)	1 min (60 sec)
3	Cool Down	FIXED BY GENERATOR 5 min Autostart Board will switch to OFF Mode after 6 minutes to allow sufficing time for the Caterpillar Controller A1 to control the Cool Down Sequence - The Remote Start Input will be ignored during those 6 minutes	FIXED BY GENERATOR 5 min Autostart Board will switch to OFF Mode after 6 minutes to allow sufficing time for the Caterpillar Controller A1 to control the Cool Down Sequence - The Remote Start Input will be ignored during those 6 minutes
4	NOT USED		
5	NOT USED		

Wiring Connections between Control Cubicle Panel and Auto-starter TB



FROM	TO
Control Cubicle with	Autostarter TB Label Number
A	0V
GND GPLO B-	TB # 1
B	+24 VDC
+24 VDC RM B+	TB #2
Please see Installation Manual MEP002A /003A	Remote Start
C	FAULT
RM 22	TB #4
D P7 - 39 OFF/RESET	TB #5
E	POWER
CCS #2	TB #6
F P7 - 33 START	TB #7
G P7 - 32 COOLDOWN STOP	TB #8
Jumper	+24 VDC
Jumper to TB #2 +24VDC	TB #9
H	NO
AUX FUEL AFPS #1	TB #10
TB = Terminal Block	

Connecting Points for POWER / AUX FUEL and Auto-starter TB

