

MEP Auto / Remote Starter Kit

Manual Supplement for Generator MEP 805B/806B Set

ONLY FOR GENSET's with Software Rev. 2 on CIM!



This Manual Supplements the MEP 002/003 Auto Starter Manual.
This supplement will show only the wiring and the DIP Switch Functions
for the
805B/806B
Generator-set

The Autostarter Board KIT for the 805B/806B is the same as for the 002A/003A

Except that the 805B version has a different Software loaded!

The 805B/806B Software 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 Contactor]
4. No Pre Heat - No Ether Injection
5. Fault Reset for 3 seconds
6. No ambient temperature dependent timing
7. Oil Pressure Input is connected to Relay K15 Terminal B and will stop Cranking the Engine when this Input goes low. Maximum Crank Time is 15 seconds - if engine RPM Sensor does not detect a running engine within 15seconds then the unit will go into fault mode indicated by a blinking LED AUX Fuel. Reset by pulling the DC Breaker on your Genset for about 5 seconds.
8. Field Flash occurs during the Start / Crank Phase after the Engine reaches app. 800 RPM.

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

DIP Switch Settings 805B/806B			
DIP SWITCH	Function	DIP SWITCH ON POSITION	DIP SWITCH OFF POSITION
1	AUX FUEL	ON	OFF
2	Warm Up	see table below	see table below
3	Cool Down	see table below	see table below
4	N/A	N/A	N/A
5	N/A	N/A	N/A

Warm Up and Cool Down Time	DIP SW2 OFF + DIP SW3 OFF	DIP SW2 ON + DIP SW3 OFF	DIP SW2 OFF + DIP SW3 ON	DIP SW2 ON + DIP SW3 ON
Warm Up:	1 min (60 sec)	5 min (300 sec)	1 min (60 sec)	5 min (300 sec)
Cool Down:	4 min (240 sec)	12 min (720 sec)	12 min (720 sec)	30 min (1800 sec)

Connections (I/O Descriptions) 805B/806B	
I/O Terminal Block	Function
TB #1 OV Supply:	Ground (0V)
TB #2 +24 VDC Supply :	+ 24 VDC Supply
TB #3 Remote Start INPUT:	Remote Start [Active High]
TB #4 Oil Pressure / Heat INPUT:	Start Disconnect [Crank Termination] [Active Low]
TB #5 Pre Heat RELAYS OUTPUT:	FAULT CLEAR [3 seconds ON] [Active High +24 VDC]
TB #6 RUN / PRIME RELAYS OUTPUT:	Run / Prime [Active High +24 VDC]
TB #7 AUX FUEL RELAYS OUTPUT:	Aux Fuel [Active High +24 VDC]
TB #8 START RELAYS OUTPUT:	Start [Active High +24 VDC]
TB #9 Power On COM RELAYS OUTPUT:	COM contact of Relay
TB #10 Power On N/O RELAYS OUTPUT:	Normally Open contact of Relay

Wiring Connections between Control Cubicle Terminal Board TB 6, Relay K15 and Switch S1, S4, S5 and Auto Starter TB for **MEP 805B/806B** Generator

From	To
Control Cubicle Terminal Board TB 6 and Switch S1, S4, S5	Autostarter TB Label, Number
Chassis - TB 6 Terminal 1/1A	0V / GND TB# 1
Switch S 1 Terminal 3	+24 VDC TB# 2
Please see Installation Manual MEP002A /003A	Remote Start TB #3
Relay K15 Terminal B	Start / Crank Stop TB# 4
Switch S 4 Terminal 1	Fault Reset TB# 5
Switch S 1 Terminal 4, 6, 8	Run / Prime TB# 6
Switch S 1 Terminal 5	AUX Fuel TB# 7
Switch S 1 Terminal 7	Start TB# 8
Jumper to TB#2 +24V on Auto Start Board	Power On TB# 9
Switch S 5 Terminal 1	Power On TB# 10
<p>Switch S1 = Start - Run - Stop Switch; Switch S4 = Fault Reset Switch; Switch S5 = AC Circuit Interrupter Switch All 3 switches are located on the front panel of the control cubicle</p>	