

“Ask The Tech”
“ B SERIES CONTROL CARD LISTING ”

In past articles we have listed control card part numbers to help with the proper replacement choices. Some situations arise when the parts department or your service vehicle may not have the exact part number in stock that you need. Hopefully this article will give you an idea which controls will fit a particular application. Even though the General Electric "B" Series or M210 system is quite old Flight Systems still fields numerous calls relating to proper control card applications.

General Electric Part# IC4484	Function	Voltage	Card Size
B100	High Voltage Oscillator Card	72-80V	Large
B101	Standard Oscillator Card	24-48V	Large
B102	Oscillator Card W/O 1A	24-48V	Large
B103	Dual Motor Oscillator Card	24-48V	Large
B105	Standard Oscillator Card	24-48V	Large
B106	Standard Oscillator Card	24-48V	Large
B107	Standard Oscillator Card	24-48V	Large
B110	Oscillator Card W/O 1A	96-112V	Large
B111	Oscillator Card W/O 1A	72-80 V	Large
B200	Field Weakening Control	72-80V	Small
B201	Field Weakening Control	36-48V	Small
B202	Field Weakening Control	96-112V	Small
B203	Field Weakening Control	18-24V	Small
B400	PMT/Fault Detector Control	72-80V	Small
B401	PMT/Fault Detector Control	36-48V	Small
B404	PMT/Fault Detector Control	18-24V	Small
B405	PMT/Fault Detector Control	96-112V	Small
B501	Low Battery Indicator	36-48V	Large
B602	1A Holdoff Control	72-80V	Small
B603	1A Holdoff Control	24-48V	Small
B604	1A Holdoff/Dropout Control	72-80V	Small
B605	1A Holdoff/Dropout Control	36-48V	Small
B700	Auxiliary Plugging Control	36-72V	Small
B701	Auxiliary Plugging Control	36-72V	Small
B901	Auxiliary Plug/Ramp Timer	36-48V	Large
B903	Auxiliary Plug/Ramp Timer	72-80V	Large
B905	On-Time Monitor/1A Timer	96-144V	Large
B907	Filter Card	72-144V	Large
B910	On-Time Monitor/1A Timer	72-84V	Large
B911AA	Battery Condition Indicator	24V	Large
B911AB	Battery Condition Indicator	36-48V	Large
B915	Battery Discharge Indicator	24-48V	Large
B925	Pump Speed Control	24-48V	Large
B926	Pump Speed Control	48-84V	Large

The control card size is listed to help further identify certain controls. The large controls have 15 screw terminals and the small controls have 7 terminals.

Beware of the "SPECIALS" like the B102, B110 and B111 oscillator controls which are not interchangeable with any other control cards. These are typically used with the On-Time Monitor/1A Timer controls. Also be careful when replacing the B700 and B701 controls, these are completely different from the "E"700 and the "E"701 which are used on the EV-1 System.

As you can see there are not many interchangeable control cards within the M210 System. Voltage and specific application are the major determining factors for proper replacement. The standard oscillator control card, part numbers B101, B104, B105 and B107, can be interchanged for test purposes but we recommend the proper part number for permanent replacement. Remember that every control has a certain function and even though they may appear on the outside as interchangeable you must always consider the part numbers first.