

MATRIX		Service Guide Supplement: New AC MCB	
Prepared by: Brian Nelson		Date Prepared: 1/7/2019	Effective Date: 11/23/2018
Models Affected: Matrix T-5x/7xe-03/04-F (TM501E/TM501F/TM501G/TM501I/TM501J/TM501K/TM501L/TM501M/ TM501Q/TM501R/TM501V)/ T-130X (TM539)			

DESCRIPTION

As of the manufacture date November 23, 2018, a new AC MCB is found in the treadmills listed above¹. This document shows the MCB connectors as well as each LED's location and function for troubleshooting.

Part #

MCB - 1000433524

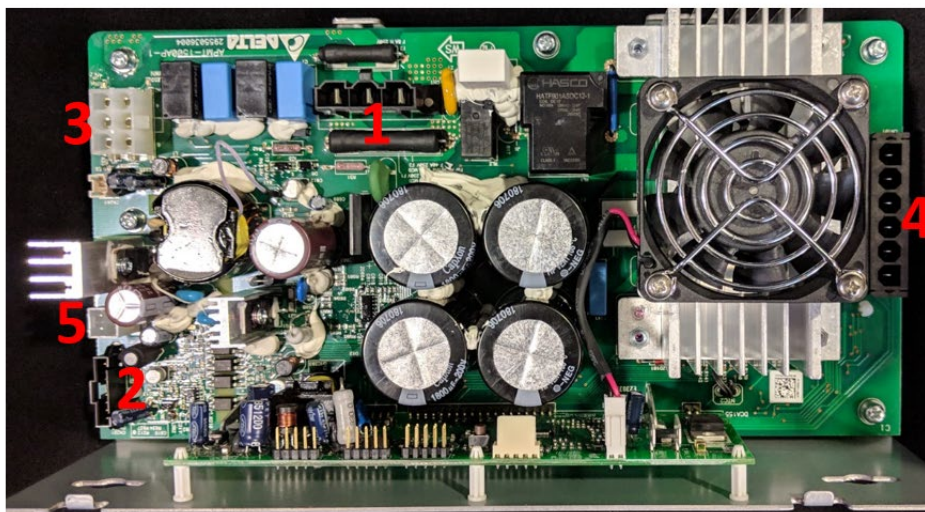
MCB Cover – 1000433219

MCB Kit (MCB & Cover) - 1000435058

TROUBLESHOOTING

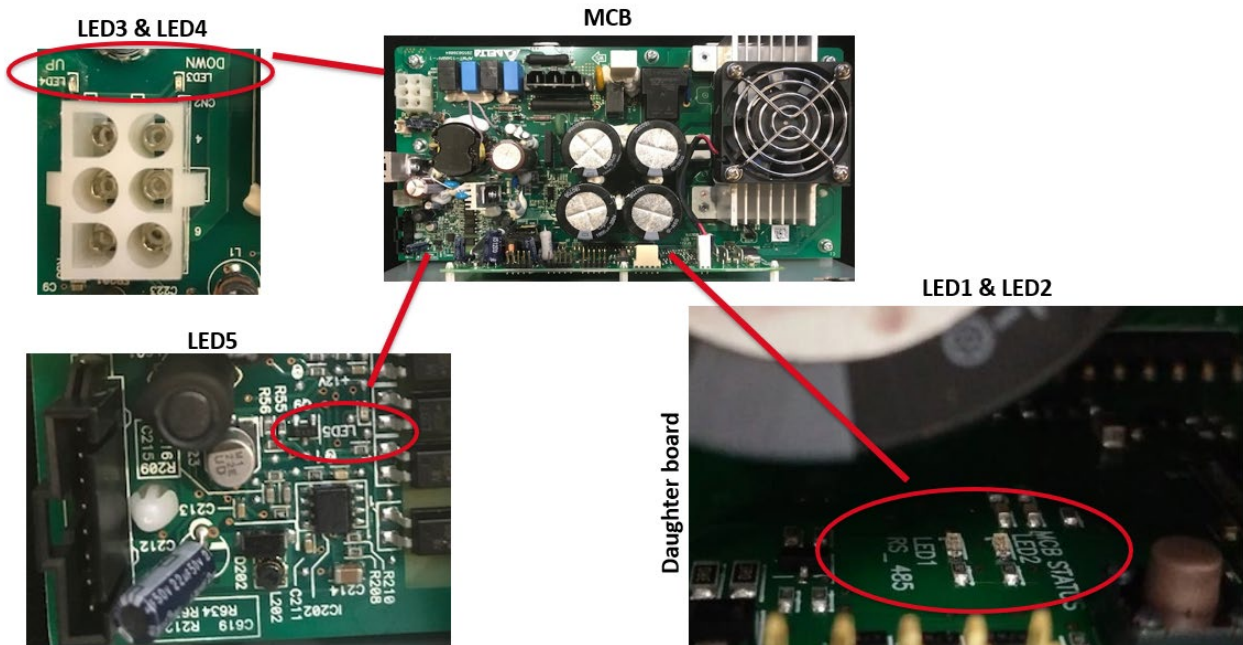
MCB Connectors

1. Incoming Power
2. Data Cable
3. Elevation Motor
4. Drive motor
5. Cooling Fan



¹ The new MCB kit may also be installed as a service part in older units. See service bulletin "MCB Change" for more information.

LED Position and Function



LED	Reference Designator	Description
RS485	LED1	Indicates if the digital communication is working normally between the console and MCB Blinking = Normal Off = Fault
MCU	LED2	Indicates if the console is working normally Blinking = Normal Light = MCU Fault Off = MSU No Power
DOWN	LED3	Indicates if the console is commanding elevation down Light = Normal Off = No command from console is received by the elevation motor
UP	LED4	Indicates if the console is commanding elevation up Light = Normal Off = No command from console is received by the elevation motor
+12V	LED5	Indicates if the console voltage supply is present Light = Normal Off = 12 volts are not provided by the MCB