

MATRIX		Service Bulletin MCB Change
Effective Date: Nov. 23, 2018	Models Affected: Matrix T-5x/7xe-03/04-F / T-130X (TM501E/TM501F/TM501G/TM501I/TM501J/ TM501K/TM501L/TM501M/TM501Q/TM501R/TM501V)/TM539	Bulletin Num. NB-1811005
Prepared by: Benson Wu		

SYMPTOM

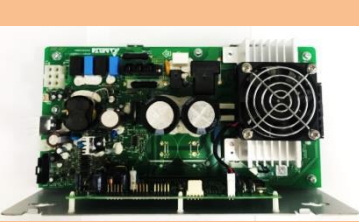
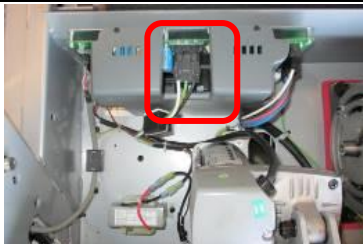
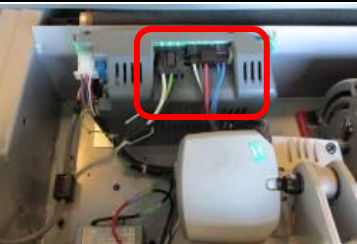
Please be aware that the MX-T5x/T7xe and T-130X frame will now use the T1x/T3x MCB*.

REASON

The current MCB is short of some ICs (ex.IGBT) components. It's happened globally and the manufacturer will not continue to provide these components.

SOLUTION

Table -1. The chart below shows the differences between the old and new MCBs

	~ 2018/9/24 (Old)	2018/9/25 ~ 2018/11/22 (Current)	2018/11/23 ~ (New)
110V	0000094477 (s/w - V006)	1000409726 (s/w - V3)	1000433524 (s/w - V102)
			
	MODEL: JHT015M 2A CUSTOMER CODE: JHT 1000000000 INPUT: 1PH 90-120V 200-240V 50/60Hz 15.7A OUTPUT: 3PH 200-230V 7.0A 2.7KVA 1.5KW/2.0HP Version: 01.20 JHT Version: 010  DELTA ELECTRONICS, INC. MADE IN TAIWAN	 DELTA ELECTRONICS, INC. MODEL: VFD015TM12A-J1 INPUT: 1PH 100-120V 50/60Hz 28.0A OUTPUT: 3PH 200-230V 7.0A 2.7KVA 1.5KW/2.0HP Version: 01.00  DELTA ELECTRONICS, INC. MADE IN TAIWAN	
	2A: 110V	J1: 110V	Same hardware as T1x/T3x MCB (#1000390921) but different s/w. (T1x/T3x - V51)
110V Kit	None	1000424834	1000435058
220V	1000228669 (s/w - V32)	1000409734 (s/w - V31)	1000433523 (s/w - TBD)
			
	MODEL: JHT015M 1B CUSTOMER CODE: JHT 1000000000 INPUT: 1PH 90-120V 200-240V 50/60Hz 15.7A OUTPUT: 3PH 200-230V 7.0A 2.7KVA 1.5KW/2.0HP Version: 01.20 JHT Version: 010  DELTA ELECTRONICS, INC. MADE IN TAIWAN	 DELTA ELECTRONICS, INC. MODEL: VFD015TM12A-J2 INPUT: 1PH 200-240V 50/60Hz 28.0A OUTPUT: 3PH 200-230V 7.0A 2.7KVA 1.5KW/2.0HP Version: 01.00  DELTA ELECTRONICS, INC. MADE IN TAIWAN	
	1B: 220V	J2: 220V	Same hardware as T1x/T3x MCB (#1000390922) but different s/w. (T1x/T3x - V30)
220V Kit	None	1000424835	1000435059
MCB cover			
	1000201218	1000409676	1000433219

*Find troubleshooting information for the new MCB in the document "New AC MCB". This resource is posted under Service Guides.

Table -2. Console / frame software version rework list **[Current production model]**

T5x console (TM530/TM530B) + New MCB on T5x/T7x frame	Console/Frame	110V		220V
		Planet Fitness (US)	US/ID	ID
	UCB	Upgrade to ver.8.8	No action required	No action required
	MCB	Upgrade to ver.102	Upgrade to ver.102	TBD
Implemented s/n		FTM501Z181101093~ 01100 (MCB ver. 100)	FTM501E181154645~ 54884 (MCB ver. 100)	TBD

T7xe/T7xi Android console (TM527/TM528) + New MCB on T5x/T7x frame	Console/Frame	110V		220V
		Planet Fitness (US)	US/ID	ID
	UCB	Upgrade to ver.1.5.4.13**	Upgrade to ver.1.5.4.13**	Upgrade to ver.1.5.4.13**
	MCB	Upgrade to ver.102**	Upgrade to ver.102**	TBD**
Implemented s/n		FTM501Z181101093 ~ 01100 (MCB ver. 100)	FTM501E181154645 ~ 54884 (MCB ver. 100)	FTM501J181106157~ (MCB ver. 100) FTM501G181122400~(MCB ver. 100)

[Remark]

- * UCB/MCB software version will release on CS-Web. (An ST-Link tools is required to upgrade the MCB software)
- * For T7xe/T7xi (Android base console) + new MCB, both UCB/MCB software must be upgraded to the latest version.
(Please refer to Table-2)

1. T-130X (TM539) will also use the new MCB. Implemented s/n : FTM539181100276 ~ 00295 (20 units)

Table -3. Console / frame software version list **[Models that are no longer in production]**

T5x-07-C(TM519) + New MCB on T5x/T7x frame	Console/Frame	110V	220V
		US/ID	ID
	UCB	V10.3	V10.3
	MCB	Upgrade to ver.102	TBD

T-7XE-04-C(TM520) + New MCB on T5x/T7x frame	Console/Frame	110V	220V
		US/ID	ID
	UCB	L5.5	L5.5
	MCB	Upgrade to ver.102	TBD

T-7XI-C (TM521) + New MCB on T5x/T7x frame	Console/Frame	110V	220V
		US/ID	ID
	UCB	8.0.27	8.0.27
	MCB	Upgrade to ver.102	TBD

[Remark]

When using the new MCB with a model that is no longer in production, you must upgrade the console software to the latest version (see table above).

Summary chart of all consoles + software upgrade requirements for using the new MCB.

US/ID - 110V		Production models				Phase out models		
Console type	T-5X-08-C	T-5XWFPF-08-C	T-7XE-05-C	T-7XI-03-C		T5x-07-C	T-7XE-04-C	T-7XI-C
Model	TM530/TM530B	TM530-D (PF)	TM527	TM528		TM519	TM520	TM521
Console s/w	V8.1 or above	V8.8	1.5.4.13	1.5.4.13		V10.3	L5.5	8.0.27
MCB s/w	V102	V102	V102	V102		V102	V102	V102
		*PF - Planet Fitness						
ID - 220V		Production models				Phase out models		
Console type	T-5X-08-C	T-7XE-05-C	T-7XI-03-C			T5x-07-C	T-7XE-04-C	T-7XI-C
Model	TM530/TM530B	TM527	TM528			TM519	TM520	TM521
Console s/w	V8.1 or above	1.5.4.13	1.5.4.13			V10.3	L5.5	8.0.27
MCB s/w	TBD	TBD	TBD			TBD	TBD	TBD

The solutions for the equipment in the field and warehouse

1	Affected Models (JHT no.)	Matrix T-5x/7x-03/04-F / T-130X (TM501E/TM501E/TM501F/TM501G/TM501I/TM501J/ TM501K/TM501L/TM501M/TM501Q/TM501R/TM501V) / TM539			
2	NA ECR no.	TBD	10	Old part number	Please refer Table-1.
3	JHT ECO no.	TBD	11	Old price	N/A
4	Implemented date	TBD	12	New part number	Please refer Table-1.
5	Started s/n	Please refer Table-2.	13	New price	N/A
6	Field service suggestion	☐ case by case ☐ club by club ☒ rework all	14	S-BOM updated	Yes
7	Units in the warehouse	☒ no action required ☐ replace all	15	S-Drawing update	N/A
8	Parts in stock	☒ running change ☐ immediate change	16	Photos attached	Yes
9	video available	no	17	SOP attached	N/A

	Bulletin type (Draft version or Final version)
☐	Draft version due to the implement date and started S/N are not ready yet.
☒	Final version, All completed