

LCB Change

E Series TBT

This bulletin affects the E Series TBT's only. This does not affect the E-UB's and E-RB's that use the original LCB (PN: 721-1045). The LCB has been changed to a different design. This change affects TBT's on E Series products only.

TBT's manufactured until October 2010 will have an LCB PN: 721-1045. A picture of this LCB is shown in Fig. 1 and 2.

The cut-in of the ADT LCB (PN: 721-1176) for the E-TBT's with a serial number starting CTEN1010-U08841, took place at the end of October 2010.

As of the original writing of this bulletin, the E-UB's and E-RB's have not crossed over to use the ADT LCB (PN: 721-1176).



Fig. 1

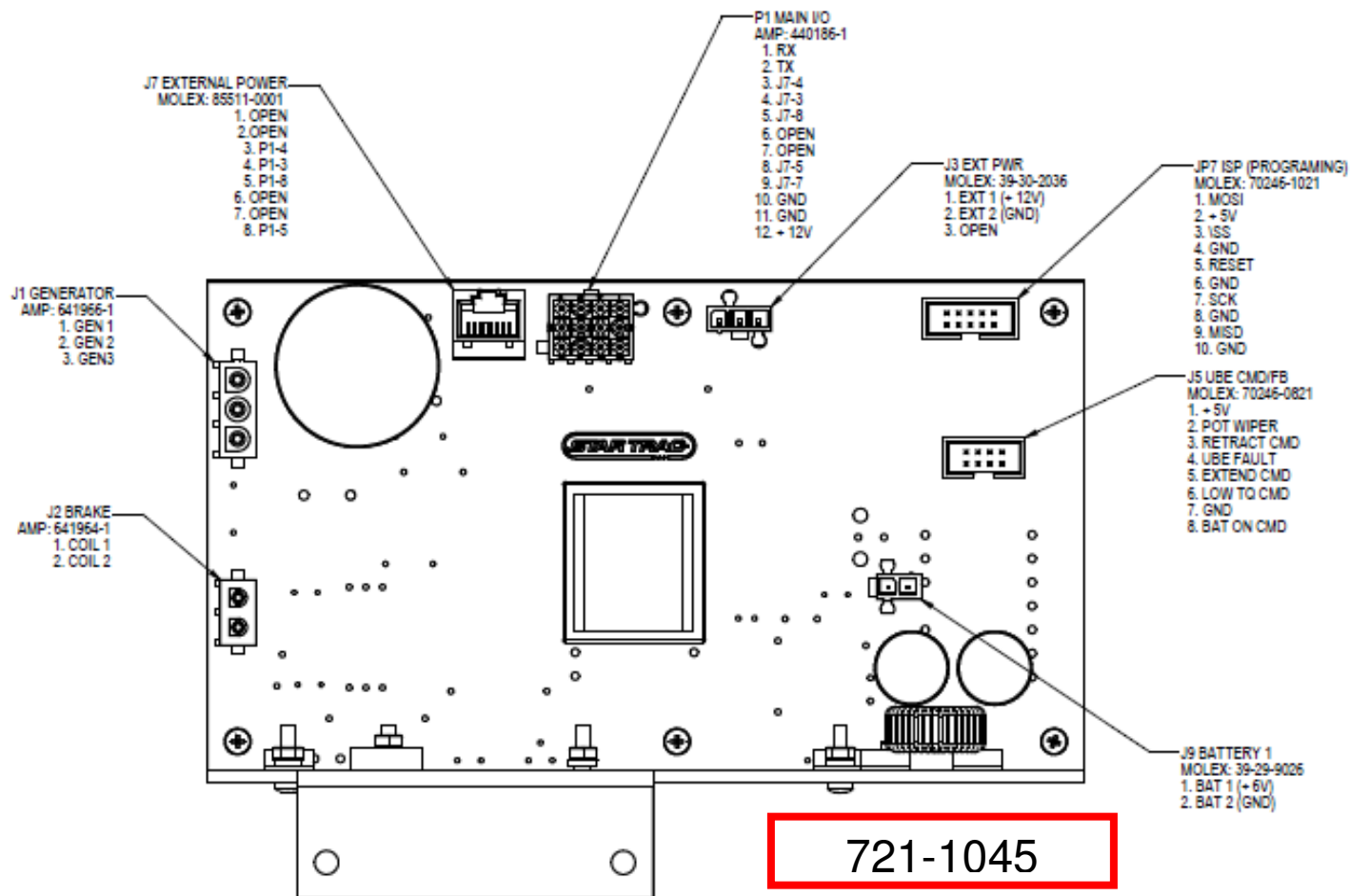


Fig. 2

The ADT LCB (PN: 721-1176) is physically different. There is a switch (J2) as highlighted in Fig. 3 and 4 which makes the ADT LCB work on the new brake that will be launched shortly after the writing of this bulletin (contact Star Trac for more information). Fig. 5 and 6 show additional information for the ADT LCB.



Fig. 3

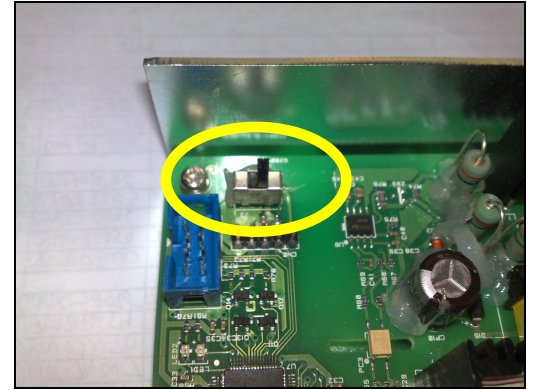


Fig. 4

The switch needs to be placed in the right position as shown in Fig. 4 (towards the center of the board).

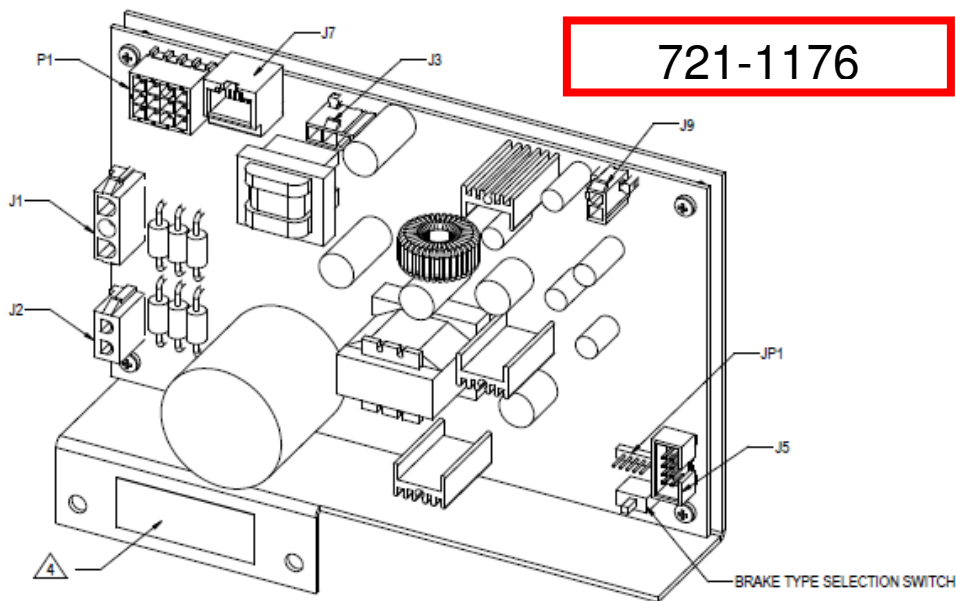


Fig. 5

Note: As of November 2013, Star Trac is only utilizing DCI manufactured LCBs PN: 721-1045 on E series TBT's. ADT LCB's 721-1176 can still be used for service on existing products.

LCB Connector Pin Assignment								
DESIG	J1	J2	J3	J5	J7	J9	JP1	P1
NAME	GENERATOR	BRAKE	EXT PWR	UBE	EXT PWR	BATTERY	ISP	MAIN IO
MFG	AMP	AMP	MOLEX	FCI	MOLEX	MOLEX	MOLEX	AMP
PIN	641966-1	641964-1	39-30-2036	75869-232LF	85511-0001	39-28-1023	901200125	770186-1
1	GEN1	COIL1	+12V	+5V	OPEN	+6V	MCLR	RX
2	GEN2	COIL2	GND	WIPER	OPEN	GND	ICSP_DAT	TX
3	GEN3	-	OPEN	RET CMD	P1-4	-	ICSP_CLK	J7-4
4	-	-	-	USE AFULT	P1-3	-	+5V	J7-3
5	-	-	-	EXT CMD	P1-8	-	GND	J7-8
6	-	-	-	L TO CMD	OPEN	-	-	OPEN
7	-	-	-	GND	OPEN	-	-	OPEN
8	-	-	-	BAT ON CMD	P1-5	-	-	J7-5
9	-	-	-	-	-	-	-	J7-7
10	-	-	-	-	-	-	-	GND
11	-	-	-	-	-	-	-	GND
12	-	-	-	-	-	-	-	+12V

Fig. 6

Note A: To be able to use the ADT LCB (721-1176) on TBT's that do not already have the ADT LCB you need to order the battery cable (PN: 721-1046 rev E) in order to be able to connect the LCB with the battery (Fig. 7). The original cable is 6 inches long; the rev E cable is 10 inches long.

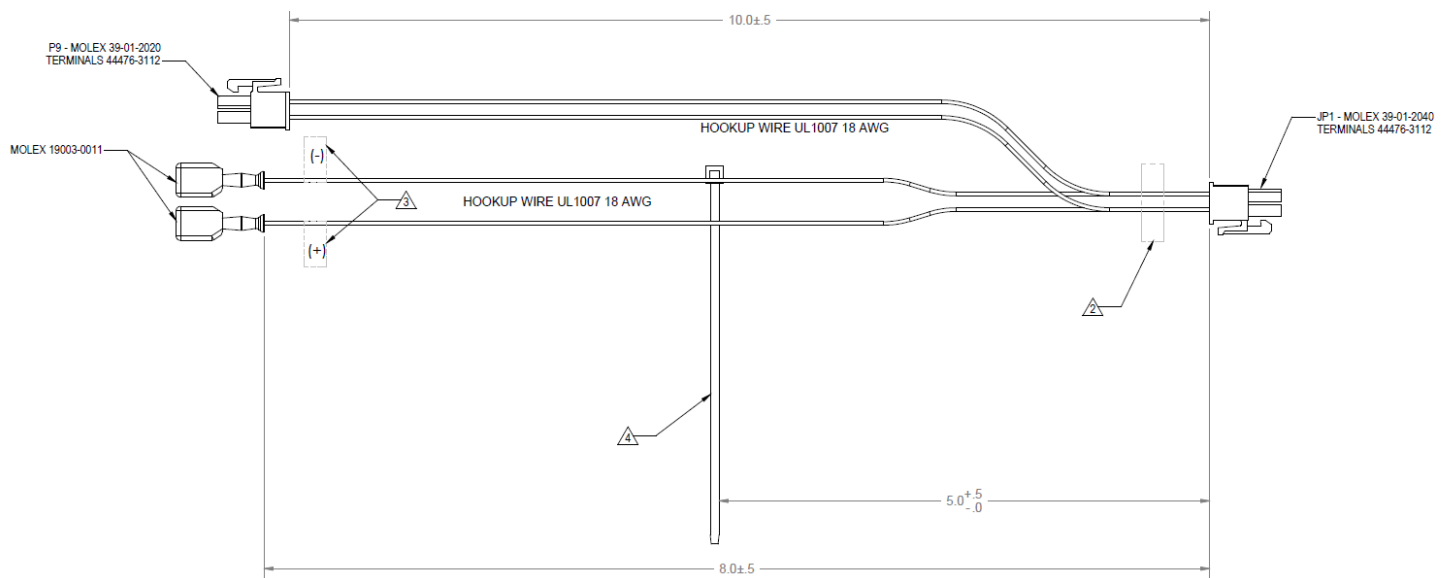


Fig. 7

Note B: Improper configuration of the switch referenced in Fig. 4 will result in the wrong speed being shown on the display and the wrong load resistance being felt at the pedals.