



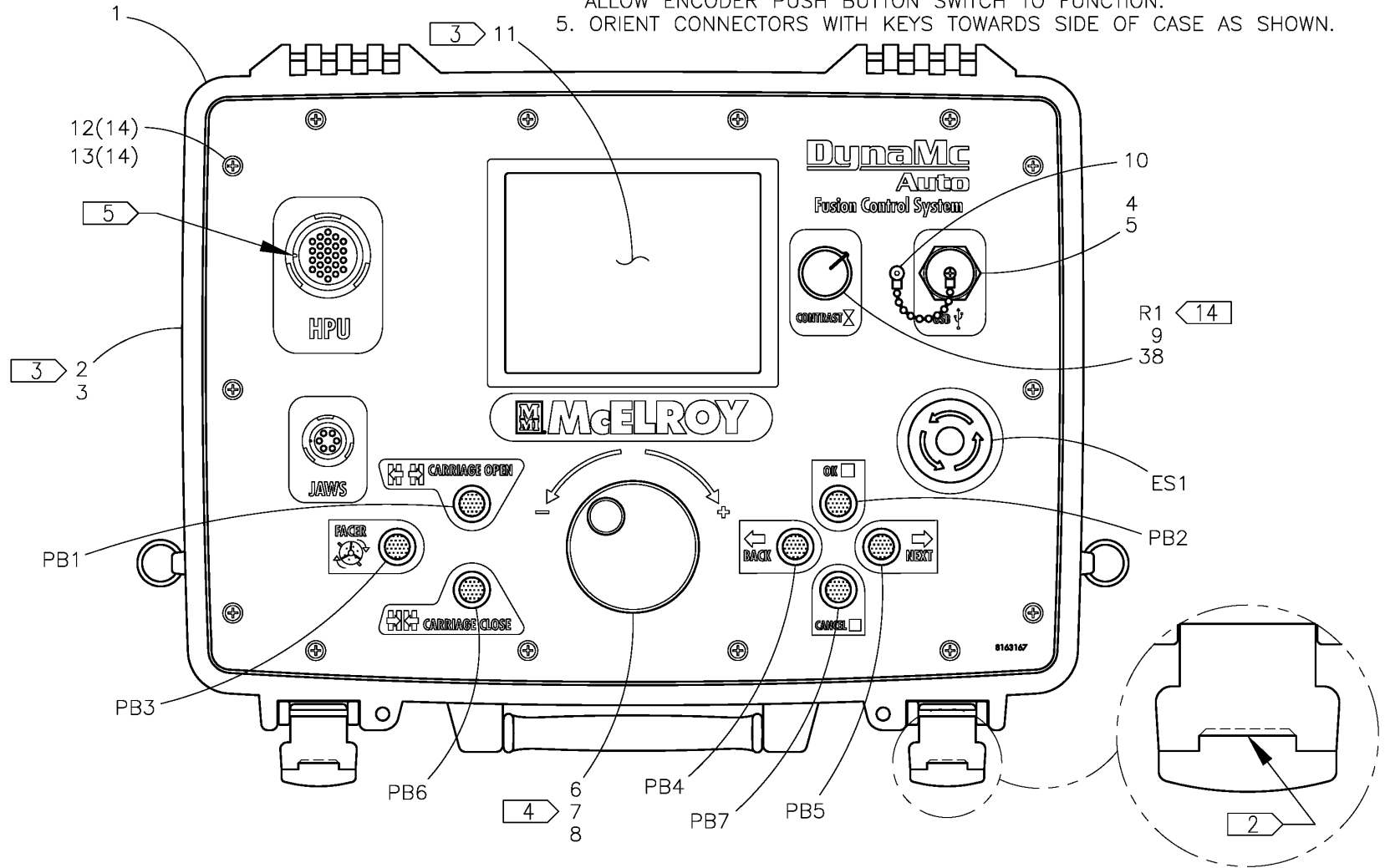
McElroy Manufacturing, Inc.
The leader by design.
Tulsa, Oklahoma U.S.A.

DRAWN:	BEA	CHECK:	JWE	APPRV'D:	JRP	DATE:	5/18/09	SHT	No: 1A	REV	No: K	PART	No: 1266701
DYNAMC OPERATOR CONTROL BOX ASSEMBLY													

NOTE: THIS DRAWING AND THE INFORMATION CONTAINED THEREIN IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF McElroy Manufacturing, Inc. THE DRAWING IS NOT TO BE REPRODUCED IN ANY MANNER, SUBMITTED OUTSIDE PARTIES FOR EXAMINATION, OR USED DIRECTLY OR INDIRECTLY FOR THE PURPOSES OTHER THAN THOSE FOR WHICH IT WAS FURNISHED WITHOUT WRITTEN PERMISSION OF McElroy Manufacturing, Inc.

NOTES:

1. WIRE PER CHART INCLUDED WITH THIS DRAWING.
2. FILE BOTH LATCHES AS SHOWN.
3. INSTALL LABEL (ITEM 3) ON PANEL (ITEM 2), THEN INSTALL LENS (ITEM 11) SEAL DISPLAY GLASS ON BACK SIDE WITH DOW CORNING 732 RTV.
4. LUBRICATE SEAL NUT (ITEM 8) AND ENCODER SHAFT WITH PETROLEUM JELLY PRIOR TO ASSEMBLING. SPACE KNOB AWAY FROM PANEL TO ALLOW ENCODER PUSH BUTTON SWITCH TO FUNCTION.
5. ORIENT CONNECTORS WITH KEYS TOWARDS SIDE OF CASE AS SHOWN.





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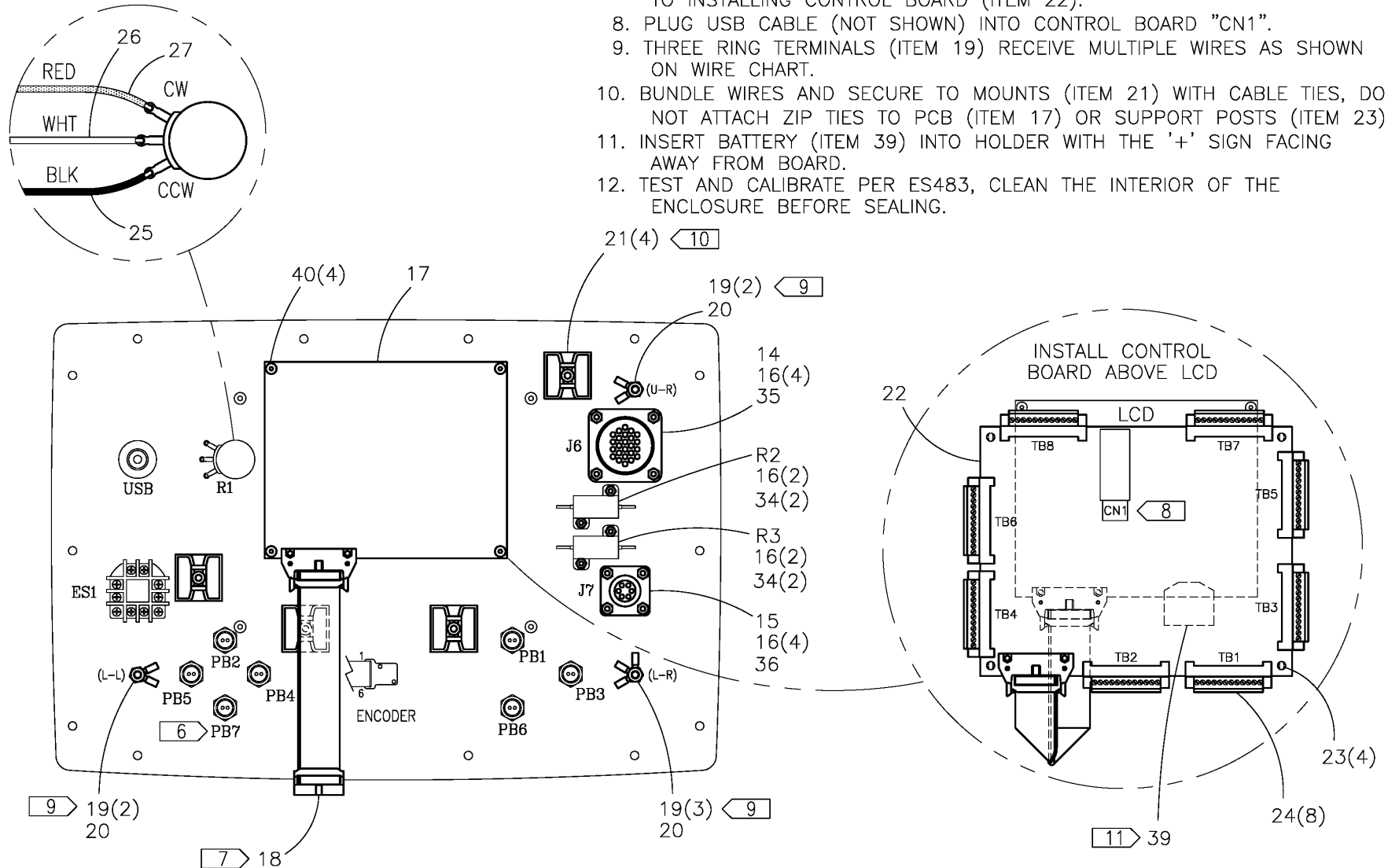
1266701

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NOTES:

- USE INDELIBLE MARKER TO LABEL COMPONENT REFERENCE DESIGNATORS AS SHOWN.
- CONNECT RIBBON CABLE (ITEM 18) TO LCD ASSEMBLY (ITEM 17) PRIOR TO INSTALLING CONTROL BOARD (ITEM 22).
- PLUG USB CABLE (NOT SHOWN) INTO CONTROL BOARD "CN1".
- THREE RING TERMINALS (ITEM 19) RECEIVE MULTIPLE WIRES AS SHOWN ON WIRE CHART.
- BUNDLE WIRES AND SECURE TO MOUNTS (ITEM 21) WITH CABLE TIES, DO NOT ATTACH ZIP TIES TO PCB (ITEM 17) OR SUPPORT POSTS (ITEM 23).
- INSERT BATTERY (ITEM 39) INTO HOLDER WITH THE '+' SIGN FACING AWAY FROM BOARD.
- TEST AND CALIBRATE PER ES483, CLEAN THE INTERIOR OF THE ENCLOSURE BEFORE SEALING.





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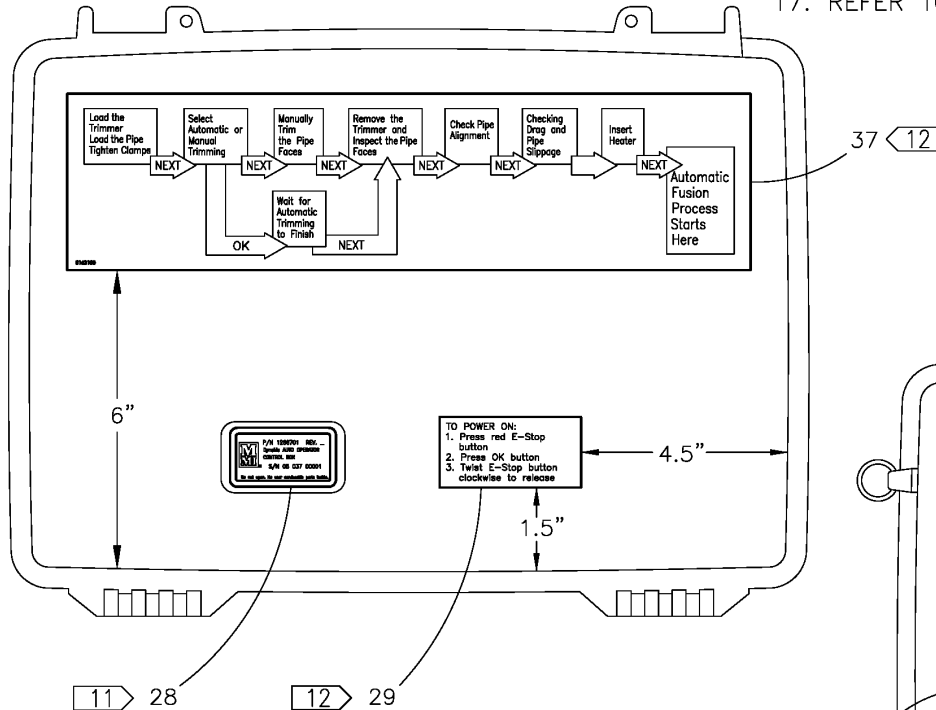
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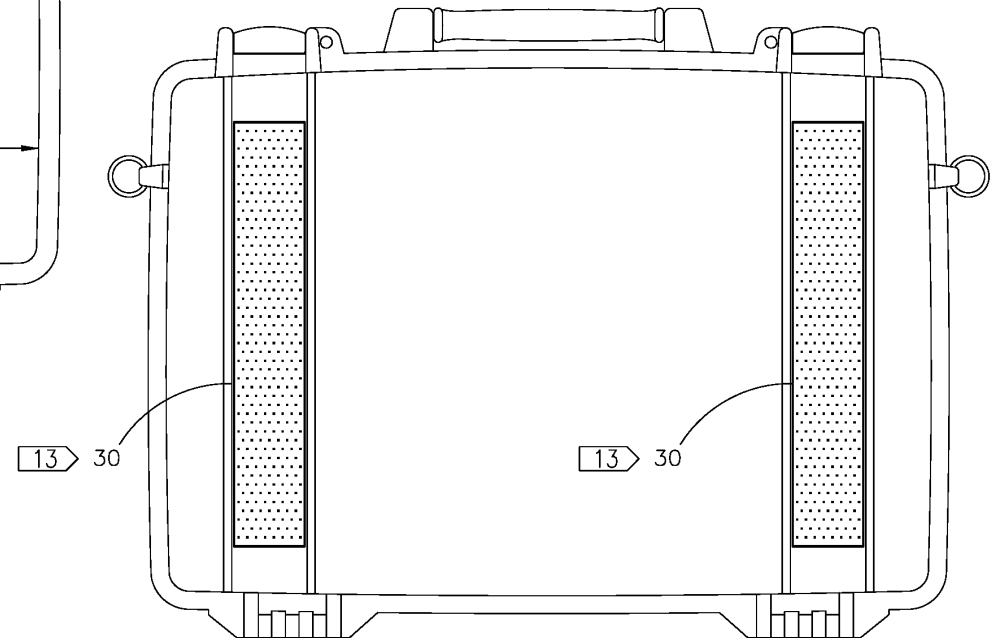
NOTES:

- CENTER S/N LABEL (ITEM 28) WITHIN RECESSED AREA INSIDE LID. COVER WITH CLEAR OVERLAY.
- INSTALL LABELS (ITEM 29 & ITEM 37) IN POSITIONS SHOWN.
- INSTALL TWO 9" LENGTHS OF MAGNETIC STRIP (ITEM 30) ON BOTTOM OF BOX AS SHOWN.
- IF REPLACING POTENTIOMETER R1 WITH ONE THAT HAS A THREADED LENGTH GREATER THAN 1/4", USE SEAL NUT MBA00070.
- REFER TO ASSEMBLY DRAWING 1266501 FOR SCHEMATIC.

INSIDE LID



CASE BOTTOM



WIRE	TERMINAL	FROM		TO	TERMINAL
Red-Wht	1268201 - 24 Position Pigtail Assy	J6-A	—	R2 - a	SOLDER (Resistor)
Grn-Wht	1268201 - 24 Position Pigtail Assy	J6-B	—	TB4 - 3	MQF00284 12 Position Plug
Org-Blk	1268201 - 24 Position Pigtail Assy	J6-C	—	ES1 - 21	none (E-Stop button)
Blk-Red	1268201 - 24 Position Pigtail Assy	J6-D	—	TB5-3	MQF00284 12 Position Plug
Grn-Blk	1268201 - 24 Position Pigtail Assy	J6-E	—	TB4-4	MQF00284 12 Position Plug
Blk	1268201 - 24 Position Pigtail Assy	J6-F	—	TB5-10	MQF00284 12 Position Plug
Red	1268201 - 24 Position Pigtail Assy	J6-G	—	ES1 - 42	none (E-Stop button)
Wht-Red	1268201 - 24 Position Pigtail Assy	J6-H	—	TB8-1	MQF00284 12 Position Plug
Org-Red	1268201 - 24 Position Pigtail Assy	J6-J	—	TB7-10	MQF00284 12 Position Plug
Blk-Wht	1268201 - 24 Position Pigtail Assy	J6-K	—	TB6-12	MQF00284 12 Position Plug
Blu-Blk	1268201 - 24 Position Pigtail Assy	J6-L	—	TB6-8	MQF00284 12 Position Plug
Red-Blk	1268201 - 24 Position Pigtail Assy	J6-M	—	R3 - a	SOLDER
Grn	1268201 - 24 Position Pigtail Assy	J6-N	—	TB6-3	MQF00284 12 Position Plug
Blu-Red	1268201 - 24 Position Pigtail Assy	J6-P	—	TB6-7	MQF00284 12 Position Plug
Org-Grn	1268201 - 24 Position Pigtail Assy	J6-Q	—	TB7-4	MQF00284 12 Position Plug
Wht-Blk	1268201 - 24 Position Pigtail Assy	J6-R	—	TB8-7	MQF00284 12 Position Plug
Wht	1268201 - 24 Position Pigtail Assy	J6-S	—	TB8-6	MQF00284 12 Position Plug
Blu	1268201 - 24 Position Pigtail Assy	J6-T	—	Stud (U-R)	MLM00001 14-16 x #8 Ring Terminal
Org	1268201 - 24 Position Pigtail Assy	J6-U	—	ES1 - 11	none (E-Stop button)
Red-Grn	1268201 - 24 Position Pigtail Assy	J6-V	—	TB5-6	MQF00284 12 Position Plug
Grn-Blk-Wht	1268201 - 24 Position Pigtail Assy	J6-W	—	TB5-7	MQF00284 12 Position Plug
Red-Blk-Wht	1268201 - 24 Position Pigtail Assy	J6-X	—	TB5-9	MQF00284 12 Position Plug
Wht-Blk-Red	1268201 - 24 Position Pigtail Assy	J6-Y	—	TB8-2	MQF00284 12 Position Plug
Blk-Wht-Red	1268201 - 24 Position Pigtail Assy	J6-Z	—	TB5-8	MQF00284 12 Position Plug
BROWN	1268301 - 6 Position Pigtail Assy	J7-A	—	TB3-12	MQF00284 12 Position Plug
BROWN	1268301 - 6 Position Pigtail Assy	J7-B	—	TB5-11	MQF00284 12 Position Plug
BROWN	1268301 - 6 Position Pigtail Assy	J7-C	—	TB7-8	MQF00284 12 Position Plug

1266701

REV. K

5/16/12

BLUE	1268301 - 6 Position Pigtail Assy	J7-D	—	Stud (L-R)	MLM00001 14-16 x #8 Ring Terminal
BROWN	1268301 - 6 Position Pigtail Assy	J7-E	—	TB4-2	MQF00284 12 Position Plug
BROWN	1268301 - 6 Position Pigtail Assy	J7-F	—	TB4-1	MQF00284 12 Position Plug
MLL00096 #16 BRN	SOLDER (Resistor)	R2 - b	—	TB3-4	MQF00284 12 Position Plug
MLL00096 #16 BRN	SOLDER (Resistor)	R3 - b	—	TB3-5	MQF00284 12 Position Plug
MLL00063 #22 BLK	SOLDER (Potentiometer)	R1 - CCW	—	TB4-11	MQF00284 12 Position Plug
MLL00134 #22 WHT	SOLDER (Potentiometer)	R1 - Wiper	—	TB4-10	MQF00284 12 Position Plug
MLL00062 #22 RED	SOLDER (Potentiometer)	R1 - CW	—	TB4-9	MQF00284 12 Position Plug
RED	none (Backlight)	LCD - A	—	TB4-8	MQF00284 12 Position Plug
WHITE	none (Backlight)	LCD - K	—	TB4-5	MQF00284 12 Position Plug
BLACK	none ("Carriage Open" button)	PB1 - a	—	TB1-10	MQF00284 12 Position Plug
BLACK	none ("Facer" button)	PB3 - a	—	TB1-12	MQF00284 12 Position Plug
BLACK	none ("Carriage Close" button)	PB6 - a	—	TB1-11	MQF00284 12 Position Plug
BLACK	none ("Carriage Open" button)	PB1 - b	}	Stud (L-R)	MLM00001 14-16 x #8 Ring Terminal
BLACK	none ("Facer" button)	PB3 - b			
BLACK	none ("Carriage Close" button)	PB6 - b			
BLACK	none ("OK" button)	PB2 - b	}	Stud (L-L)	MLM00001 14-16 x #8 Ring Terminal
BLACK	none ("Back" button)	PB4 - b			
Red	none (Encoder)	ENC1 - 1			
BLACK	none ("Next" button)	PB5 - b	}	Stud (L-L)	MLM00001 14-16 x #8 Ring Terminal
BLACK	none ("Cancel" button)	PB7 - b			
Gray	none (Encoder)	ENC1 - 2			
Gray	none (Encoder)	ENC1 - 3	—	TB2-6	MQF00284 12 Position Plug
Gray	none (Encoder)	ENC1 - 4	—	TB2-7	MQF00284 12 Position Plug
Gray	none (Encoder)	ENC1 - 5	—	TB2-8	MQF00284 12 Position Plug
Gray	none (Encoder)	ENC1 - 6	—	TB2-5	MQF00284 12 Position Plug
BLACK	none ("OK" button)	PB2 - a	—	TB1-6	MQF00284 12 Position Plug
BLACK	none ("Back" button)	PB4 - a	—	TB1-9	MQF00284 12 Position Plug

BLACK	none ("Next" button)	PB5 - a	—	TB1-8	MQF00284 12 Position Plug
BLACK	none ("Cancel" button)	PB7 - a	—	TB1-7	MQF00284 12 Position Plug
MLL00096 #16 BRN	none (E-Stop button)	ES1 - 12	—	TB7-11	MQF00284 12 Position Plug
MLL00096 #16 BRN	none (E-Stop button)	ES1 - 22	—	TB7-12	MQF00284 12 Position Plug
MLL00096 #16 BRN	none (E-Stop button)	ES1 - 33	—	TB7-1	MQF00284 12 Position Plug
MLL00096 #16 BRN	none (E-Stop button)	ES1 - 34	—	TB7-2	MQF00284 12 Position Plug
MLL00096 #16 BRN	none (E-Stop button)	ES1 - 41	—	TB6-6	MQF00284 12 Position Plug
MLL00096 #16 BRN	MQF00284 12 Position Plug	TB3-1	—	TB7-3	MQF00284 12 Position Plug
MLL00096 #16 BRN	MQF00284 12 Position Plug	TB3-2	—	TB8-11	MQF00284 12 Position Plug
MLL00096 #16 BRN	MQF00284 12 Position Plug	TB3-3	—	TB5-1	MQF00284 12 Position Plug
MLL00096 #16 BRN	MQF00284 12 Position Plug	TB3-6	—	TB5-2	MQF00284 12 Position Plug
MLL00095 #16 BLU	MQF00284 12 Position Plug	TB2-10	—	Stud (L-R)	MLM00001 14-16 x #8 Ring Terminal
MLL00095 #16 BLU	MQF00284 12 Position Plug	TB3-11	—	Stud (U-R)	MLM00001 14-16 x #8 Ring Terminal
MLL00096 #16 BRN	MQF00284 12 Position Plug	TB6-11	—	TB7-5	MQF00284 12 Position Plug

McElroy Manufacturing Parts List

Part Number: 1266701 DynaMc Operator Control Box Assembly

Part Number 1266701 Component List

Item	Component	Description	Quantity	Unit	Price
ES1	MKC00043	24V Illuminated E-stop Switch	1.0	EA	151.00
PB1	MKC00040	Push Button Switch	1.0	EA	37.83
PB2	MKC00040	Push Button Switch	1.0	EA	37.83
PB3	MKC00040	Push Button Switch	1.0	EA	37.83
PB4	MKC00040	Push Button Switch	1.0	EA	37.83
PB5	MKC00040	Push Button Switch	1.0	EA	37.83
PB6	MKC00040	Push Button Switch	1.0	EA	37.83
PB7	MKC00040	Push Button Switch	1.0	EA	37.83
R1	MQH00133	10K Potentiometer	1.0	EA	31.06
R2	MQH00315	5 Ohm 25W Panel Mount Resistor	1.0	EA	0.00
R3	MQH00315	5 Ohm 25W Panel Mount Resistor	1.0	EA	0.00
1	1266901	Dynamc Pelican Case W/frame	1.0	EA	817.00
2	1266801	Replaced by 1266802, 4/28/10 (Effective to 4/28/10)	1.0	EA	0.00
2	1266802	Dynamc Opr Cntrl Box Intr Pnl	1.0	EA	0.00
3	8163167	Dynamc Auto Control Label	1.0	EA	0.00
4	MQF00353	IP67 Usb Panel Mount Fem Recep	1.0	EA	0.00
5	MQF00354	IP67 Usb Recep Screw Cap Cover	1.0	EA	20.33
6	MQB00047	16 Count Panel Encoder	1.0	EA	156.00
7	MJJ00040	Comfort Grip Control Knob	1.0	EA	22.64
8	MBA00067	3/8-32NEF X 0.22 X 1/4 Sealnut	1.0	EA	4.08
9	MJJ00023	Control Knob	1.0	EA	4.86
10	MAN00061	#6-32NCX3/8 LG Bhscs SS	1.0	EA	0.66
11	1255804	Replaced by 1255806, 4/28/10 (Effective to 4/28/10)	1.0	EA	0.00
11	1255806	Dynamc Lcd Lens	1.0	EA	72.08
12	MAJ00007	#6-32NCX7/8LG Phpms SS (Effective 5/20/09 to 5/17/12)	14.0	EA	0.48
12	MAJ00022	#6-32NCX1-1/4LG Phpms SS	14.0	EA	0.51
13	MLN00206	#6 X 3/8OD Seal Washer SS	14.0	EA	0.00
14	1268201	Dynamc 24POS Recp Pigtail Assy	1.0	EA	420.00
15	1268301	Dynamc 6 Pos Recp Pigtail Assy	1.0	EA	0.00
16	MBC00001	#4-40NC Mach Scr Nyl Lck Nut	8.0	EA	0.34
17	1267201	Dynamc Graphic Lcd Assy	1.0	EA	705.00
18	1266601	Dynamc Graphic Lcd Ribbon Cbl	1.0	EA	0.00
19	MLM00001	14-16 X #8 Ring Terminal	7.0	EA	0.43
20	MBC00003	#8-32NC Mach Scr Nyl Lck Nut	3.0	EA	0.38
21	MLN00221	Adh Back 2-WAY Mount	4.0	EA	2.45
22	1267101	Dynamc Control Board Assy	1.0	EA	1,762.00
23	MQI00078	#6-32X1"LG Lckng Crct Brd Sprt	4.0	EA	1.11
24	MQF00284	12 Posn Plug	8.0	EA	37.15
25	MLL00063	#22 Mtw/tew Wire, Black	0.5	FT	1.21
26	MLL00134	#22 Mtw/tew Wire, White	0.5	FT	0.00
27	MLL00062	#22 Mtw/tew Wire, Red	0.5	FT	1.21
28	1271301	Dynamcauto Opr Ctrl BX Srl Lbl	1.0	EA	0.00
29	8163168	Dynamc Start UP Label	1.0	EA	0.00
30	MJQ00453	1-1/2"WDX3/16"THK Mag Strip	1.5	FT	0.00
31	MLN00418	5.5" X .14" Cable Tie	30.0	EA	0.31
32	MLL00095	#16 UL1007/UL1569 Wire, Blue	1.0	FT	0.00
33	MLL00096	#16 UL1007/UL1569 Wire, Brown	4.0	FT	0.89
34	MBH00084	Unthrd Female Aluminum Spacer	4.0	EA	0.00
35	MQF00177	Size 20 Recep Rear Mnt Gasket (Effective 11/6/09 to 11/9/10)	1.0	EA	14.22
35	MQF00179	Size 24 Recep Rear Mnt Gasket	1.0	EA	14.20
36	MQF00394	Size 14 Recep Rear Mnt Gasket	1.0	EA	0.00
37	8163180	Flow Chart Label	1.0	EA	0.00
38	MBA00070	3/8-32NEF X 0.36 X 1/4 Sealnut	1.0	EA	9.29

McElroy Manufacturing Parts List

Part Number: 1266701 DynaMc Operator Control Box Assembly

39	IEP000083	3V 20MM Lithium Coin Battery	1.0 EA	0.00
40	MAE00004	#4-40NCX3/8LG Bhscs SS	4.0 EA	0.42

Please visit <https://fusion.mcelroy.com/parts> to purchase parts or for more information.

