

NOTES:

1. INTERPRET DIMENSIONING AND TOLERANCING IAW ASME Y14.5M-1994.

2. SPECIFICATIONS:

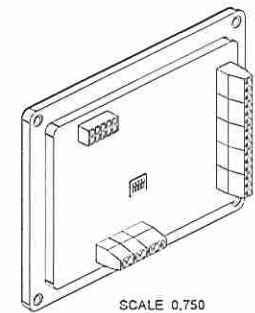
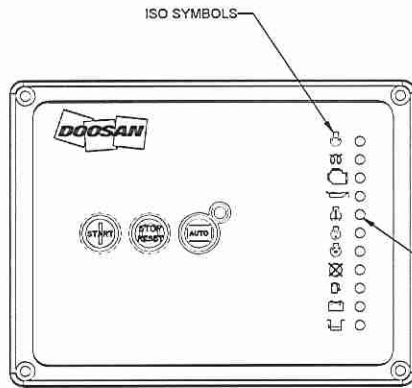
- POWER INPUT: 9-35VDC CONTINUOUS - OPERATES DURING TOTAL BLACKOUT FOR 2 SEC. MIN.
- POWER CONSUMPTION: SLEEP MODE (MANUAL): 1MA TYPICAL; (AUTOMATIC) 4MA TYPICAL.
- RUNNING MODE (MANUAL): 20MA TYPICAL; (AUTOMATIC): 24MA TYPICAL.
- OPERATING/STORAGE TEMPERATURE: -40 TO 85°C; (-40 TO 185°F).
- HUMIDITY: 0-100%, NON-CONDENSING.
- HOUSING: UV STABILIZED BLACK POLYCARBONATE AND EPOXY ENCAPSULATION, WEATHER TIGHT AND INCLUDES SEALING GASKET TO KEEP MOISTURE AND DEBRIS OUT OF ENCLOSURE. PROPERLY MOUNTED CONTROLLER WILL MAINTAIN NEMA4 / IP65 RATING OF ENCLOSURE.
- VIBRATION: RATED TO 6G.
- IMPACT: RATED TO 10G.
- INPUTS: DEDICATED DIGITAL INPUTS FOR IDLE (GND)/RATED (OPEN), 60Hz (OPEN)/50Hz (GND) SPEED, REMOTE START, DC CHARGE FAIL/ALTERNATOR FAIL. TWO AUX INPUTS ARE CONFIGURABLE FOR MULTIPLE FUNCTIONS.
- OUTPUTS: 7 1/4 AUXILIARY, CONFIGURABLE (2A DC PROTECTED), 3 DEDICATED OUTPUTS FOR CRANK, FUEL/ECU, ALTERNATOR EXCITATION.
- CRANK ATTEMPTS: 3, 5, 10, CONTINUOUS.
- CRANK REST: 5-60 SECONDS, ADJUSTABLE.
- SHUTDOWN LOCKOUT TIME DELAY: 5, 10, 15, 20, 25, 30 SECONDS.
- CRANK DISCONNECT SPEED SETTING: FIELD SETTABLE 0-9999 RPM (16-60HZ AC FREQ INPUT).
- OVERSPEED/UNDERSPEED TRIP POINT SETTING: ±5 TO 50% OF NOMINAL.
- SPEED SENSING INPUTS: MAGNETIC PICKUP (5-120VAC RMS / 0-10 KHZ) & AC FREQUENCY (30-600VAC RMS / 16-80 HZ).
- CANBUS INTERFACE: DIRECTLY READS ENGINE SPEED, & ENGINE STATUS DATA (LOW OIL PR, HIGH EGN TEMP AND LOW COOLANT LEVEL, WAIT-TO-START STATUS, WARNING & FAULT LAMP INFO, AND COMMUNICATION ERROR) FROM SAE-J1939 ENABLED ENGINES. SENDS RATED SPEED TO ENGINE.
- MUST MEET I-R SPECIFICATION 22728422 FOR ENGINE AUTOSTART CONTROLLER.
- CONNECTORS: CANBUS MATING: MOLEX 39-01-2105, 18-24 TERM 39-00-0039
16 TERM 39-00-0090
OTHERS:14-24 GA WIRE
- CONFIGURATION SETTINGS PER TABLE 1.
- AUTO MODE MUST BE DISABLED WHEN IN IDLE MODE.

3. USED WITH AUTOSTART DECAL:

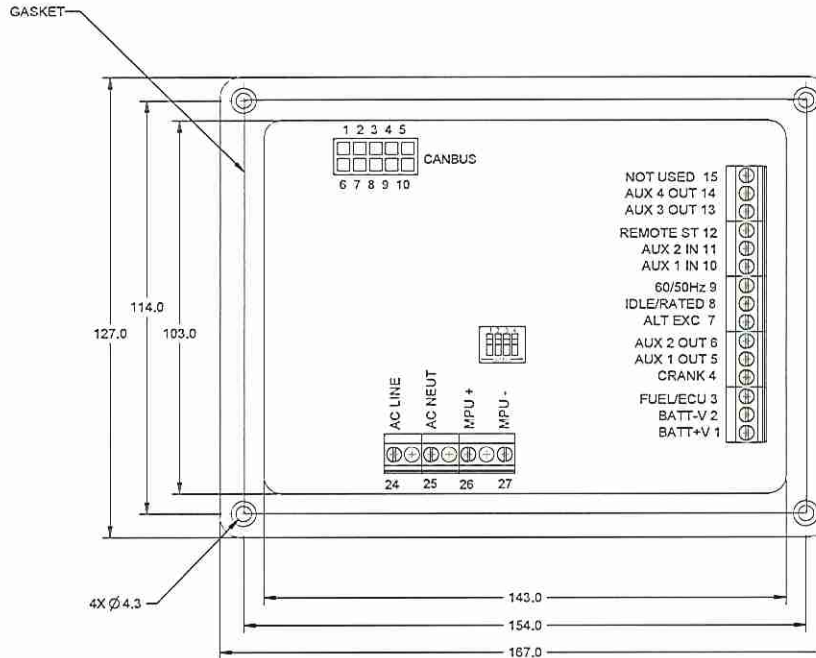
22715395 REV. C OR LATER FOR ELECTRONIC ENGINES WITH SAE-J1939 CANBUS

4. MODULE SHALL BE MARKED WITH DOOSAN INFRACORE PORTABLE POWER PART NO. AND WITH A MURPHY REVISION LETTER CONTAINED IN THE S/N, SUCH AS XXX-A-XXXX, WHERE "A" IS THE MURPHY REVISION.

REVISIONS							
DATE	REV	EDN	DESCRIPTION	DATE	DRAWN	CHECKED	APPD
	A	05901	ORIGINAL RELEASE	2011MAY25	JDM	DRH	DRH
	B	CN005001	VENDOR P/N REV. WAS CHANGED. (WAS REV. F), PARAMETER 23 WAS	2011AUG11	JDM	DRH	DRH
	C	CN011181	ADDED PARA 60-43, LOGO W/AG IR. P/N 22715395 WAS REV. B, VENDOR P/N WAS REV. C	2011SEP12	JDM	DRH	DRH



SCALE 0.750



SOURCE CONTROL DRAWING

FW MURPHY	P.O. BOX 470248 TULSA, OKLAHOMA 74147 USA +1 918 317 4100 FAX +1 918 317 4266 E-MAIL SALES@FWMURPHY.COM	75-35-0162 REV. B
MFR NAME	ADDRESS	PART NO.
<p>ONLY THE ITEM DESCRIBED ON THIS DRAWING WHEN PROCURED FROM THE MANUFACTURER(S) LIMITED HEREON IS APPROVED. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT WRITTEN APPROVAL BY DOOSAN INFRACORE. PORTABLE POWER.</p> <p>THIS PART SHALL BE LABELED WITH THE DDP NAME AND PART NUMBER. NO SUPPLIER INFORMATION OR SUPPLIER LABELING SHOULD APPEAR ON THE PART OR PART PACKAGING. IF THE PART IS L AND/OR SHAPE PREVENT PRIVATE LABELING, THE PART SHOULD HAVE NO IDENTIFICATION OF ANY TYPE ON THE PART.</p>		
APPROVED SOURCES OF SUPPLY		

<p>PROPRIETARY NOTICE</p> <p>THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION IS THE PROPERTY OF DOOSAN INFRACORE AND IS LOANED TO THE RECIPIENT IN CONFIDENCE. THE RECIPIENT BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT EXCEPT AS AUTHORIZED IN WRITING BY DOOSAN INFRACORE IT WILL (1) NOT USE THE DRAWING COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET OR ANY INFORMATION THEREIN, (2) NOT COPY THE DRAWING, (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, AND (4) UPON COMPLETION OF THE NEED TO OBTAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM.</p>	<p>WARNING: THE EXPORT OR RECEIPT OF THIS DRAWING OR A PRODUCT PRODUCED BY THIS DRAWING IS SUBJECT TO U.S. EXPORT ADMINISTRATION REGULATIONS AND OTHER APPLICABLE GOVERNMENT RESTRICTIONS OR REGULATIONS.</p> <p>COPYRIGHT © 2011 DOOSAN INFRACORE ALL RIGHTS RESERVED</p>
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<p>THIRD PARTY PROTECTION</p> <p>DO NOT SCALE DRAWING</p> <p>DRAWING CONFORMS TO ASME Y14.5M - 1994</p> <p>CAUTION: IN ORIGINAL DRAWING, NO MANUAL REVISIONS ALLOWED</p> <p>UNLESS OTHERWISE SPECIFIED - REMOVE ALL BURRS AND SHARP CORNERS - WELD SYMBOLS TO BE IN ACCORDANCE WITH ANSI/ASME A2.4</p>	<p>DOOSAN Doosan Infracore Portable Power</p> <p>CONTROLLER, AUTO-START 60HZ ECU ENGINE, 24V</p> <p>REV: A1 REVISED DATE: 0.0 SCALE: 1:00</p> <p>APP. NO.: 46570719 NOVA</p> <p>REV: C SHEET 1 OF 2</p>
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TABLE 1 INTELLISYS AUTOSTART 60HZ ECU CONFIGURATION PARAMETERS
 (** PARAMETER CHANGED FROM MECH ENG CONFIGURATION)

	CONFIGURATION PARAMETER	LED BANK 1	VALUE	LED BANK 2
1**	ENGINE SPEED SOURCE	○○○○○●	J1839 (ECU)	○○○○○
2	CRANK ATTEMPTS	○○○○○	3*	○○○○○
3	CRANK TIMER	○○○○○●	10 SEC	○○○○○
4	CRANK REST TIMER	○○○○○	15 SEC*	○○○○○
5	START DELAY TIMER (AUTO MODE ONLY)	○○○○○	10 SEC	○○○○○
6	STOP DELAY TIMER (AUTO MODE ONLY)	○○○○○	0 SEC*	○○○○○
7	PREHEAT TIMER	○○○○○	10 SEC	○○○○○
8	EXTENDED PREHEAT DURING CRANK	○○○○○	0 SEC*	○○○○○
9	WARMUP TIMER	○○○○○	0 MIN.*	○○○○○
10	COOLDOWN TIMER	○○○○○	0 MIN.*	○○○○○
11	BYPASS TIMER	○○○○○	10 SEC*	○○○○○
12	ENERGIZE TO STOP TIMER	○○○○○	15 SEC	○○○○○
13	AUXILIARY INPUT BYPASS TIMER	○○○○○	30 SEC*	○○○○○
14	STARTER MOTOR ABUTMENT PROTECTION DELAY	○○○○○	DISABLED*	○○○○○
15	REMOTE START SIGNAL TYPE	○○○○○	MAINTAINED*	○○○○○
16**	DIGITAL INPUT 1	○●○○○○	IDLE/RATED (GND FOR IDLE)	○○○○○
17**	DIGITAL INPUT 2	○●○○○○	60Hz/50Hz (GND FOR 60Hz)	○○○○○
18	DIG INP 3 (AUX IN 1) LOW FUEL	○●○○○○	IMMEDIATE SHUTDOWN	○○○○○
19	DIG INP 4 (AUX IN 2) HIGH CONT	○●○○○○	IMMEDIATE WARNING	○○○○○
20	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	
21	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	
22	FUEL RELAY CONTROL (NON ECU ENG)	○●○○○○	ENERGIZED TO RUN*	○○○○○
23	AUX OUT 1	○●○○○○	COMMON ALARM	○○○○○
24	AUXILIARY OUTPUT 2 PRECRANK ALARM	○●○○○○	START DELAY	○○○○○
25	AUX OUT 3	○●○○○○	ENGINE RUNNING	○○○○○
26	AUXILIARY OUTPUT 4	○●○○○○	PREHEAT	○○○○○
27	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	
28	INITIAL POWER-UP MODE	○●○○○○	POWER UP IN MANUAL MODE*	○○○○○
29	OIL PRESS CRANK DISCONNECT DELAY	○●○○○○	NOT USED*	○○○○○

	CONFIGURATION PARAMETER	LED BANK 1	VALUE	LED BANK 2
30	NOMINAL GENERATOR FREQUENCY	○●○○○○	60HZ* QSX15 COMM	○○○○○
31	CRANK DISCONNECT FREQUENCY (10'S DIGIT)	○●○○○○	1	○○○○○
32	CRANK DISCONNECT FREQUENCY (1'S DIGIT)	○●○○○○	5	○○○○○
33	CRANK DISCONNECT RPM (1000'S DIGIT)	○●○○○○	0*	○○○○○
34	CRANK DISCONNECT RPM (100'S DIGIT)	○●○○○○	5*	○○○○○
35	CRANK DISCONNECT RPM (10'S DIGIT)	○●○○○○	4*	○○○○○
36	CRANK DISCONNECT RPM (1'S DIGIT)	○●○○○○	0*	○○○○○
37	OVERSPEED SETPOINT (% ABOVE RUN SPEED)	○●○○○○	10%*	○○○○○
38	UNDERSPEED SETPOINT (% BELOW RUN SPEED)	○●○○○○	20%*	○○○○○
39	UNDERSPEED RESPONSE	○●○○○○	NONE	○○○○○
40	LOW OIL PRESSURE SHUTDOWN SETPOINT	○●○○○○	10 PSI	○○○○○
41	HIGH ENGINE TEMP SHUTDOWN SETPOINT	○●○○○○	230 DEG F*	○○○○○
42	LOW BATTERY VOLTAGE SETPOINT	○●○○○○	21.0 V*	○○○○○
43	HIGH BATTERY VOLTAGE SETPOINT	○●○○○○	30.0 V*	○○○○○
44	WEAK BATTERY VOLTAGE SETPOINT	○●○○○○	WARNING DISABLED	○○○○○
45	SOLENOID ENERGIZE TIMER	○●○○○○	1.0 S	○○○○○
46	LED PROFILE SELECT	○●○○○○	IR	○○○○○
47	MANUAL LAMP TEST	○●○○○○	IN USE	○○○○○
48	FLYWHEEL TOOTH COUNT (100'S DIGIT)	○●○○○○	0	○○○○○
49	FLYWHEEL TOOTH COUNT (10'S DIGIT)	○●○○○○	1	○○○○○
50	FLYWHEEL TOOTH COUNT (1'S DIGIT)	○●○○○○	6	○○○○○
51	RUN SPEED (1000'S DIGIT)	○●○○○○	1*	○○○○○
52	RUN SPEED (100'S DIGIT)	○●○○○○	8*	○○○○○
53	RUN SPEED (10'S DIGIT)	○●○○○○	0*	○○○○○
54	RUN SPEED (1'S DIGIT)	○●○○○○	0*	○○○○○
55	ALTERNATOR EXCITE DURING CRANK	○●○○○○	NOT USED*	○○○○○
56	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	
57	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	
58	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	
59	FAULT CODE SPN CONVERSION METHOD	○●○○○○	VERSIONS 1 AND 4 SUPPORTED*	○○○○○
60	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	○○○○○
61	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	○○○○○
62	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	○○○○○
63	(RESERVED FOR FUTURE USE)	○●○○○○	(RESERVED FOR FUTURE USE)	○○○○○

<small> PREPARED BY: MTC DATE: 11/11/03 DRAWING NO: 46570719 REV: 1 SHEET 2 OF 2 </small>		CONTROLLER, AUTO-STAR 60HZ ECU ENGINE, 24V
A1	46570719	C

Features and Parameters
 Customer Name : Customer Name**
 Work Order Name : NA

12ke

Company Name : Cummins
 Customer Unit Number : *****

INSITE 7.5.0.234
 Engine Serial Number : 73305278
 ECM Image Name : NA

Features and Parameters	ECM Value	Units	Original Value
System Information			
Advertised Power at RPM	416	hp	
Advertised Power RPM	1500	RPM	
Control Parts List	1404		
Fuel Code	90736		
Governed Speed	0	RPM	
Peak Torque at RPM	1549	ft*lb	
Peak Torque RPM	1300	RPM	
Vehicle/OEM Information			
OEM Name	G DRIVE		
OEM Vehicle or Equipment Model	QSL9-G		
Vehicle Identification Number (VIN) or Equipment Serial Number	*****		
Vehicle or Equipment Year	*****		
Adjustable Low Idle Speed	Enable		
Low Idle Speed	900	RPM	
Low Idle Speed Adjustment Switch	Enable		
Dedicated Fault Lamps	Disable		
Electrical System Voltage			
Electrical System Voltage	24V		
Engine Coolant Level Sensor	Installed		
Engine Oil Pressure Sensor	Enable		
Engine Protection	Enable		
Shutdown	Enable		

Features and Parameters
 Customer Name : Customer Name**
 Work Order Name : NA

Company Name : Cummins
 Customer Unit Number : *****

INSITE 7.5.0.234
 Engine Serial Number : 73305278
 ECM Image Name : NA

Features and Parameters	ECM Value	Units	Original Value
Shutdown Manual Override	Disable		
Intake Air Heater	Disable		
J1939 Controls	Enable		
J1939 Service Reset	Enable		
J1939 Stop Broadcast Allowed	Enable		
J1939 Trip Reset	Enable		
Rated Overspeed Protection	Enable		
Percent Overspeed	15	Percent	
Rated Speed Adjust	Enable		
Frequency Adjust Offset	0	RPM	
Alternate Frequency	Enable		
Alternate Frequency Type	Secondary		
Droop Adjust	Enable		
Droop Adjust Select	Potentiometer		
User Droop Adjust	0	Percent	
Frequency Adjust	Disable		
Gain Adjustment	Enable		
Gain Adjustment Type	Undefined		
Tool Gain Adjustment	5		
Idle/Rated Control	Enable		
Idle to Rated Ramp Time	0	sec	
Idle/Rated Switch Logic	Ground is Rated		
Rated to Idle Ramp Time	0	sec	

Features and Parameters
 Customer Name : Customer Name**
 Work Order Name : NA

Company Name : Cummins
 Customer Unit Number : *****

INSITE 7.5.0.234
 Engine Serial Number : 73305278
 ECM Image Name : NA

Features and Parameters		ECM Value	Units	Original Value
Service Tool Idle Rated Command			Rated	
Speed Bias			Disable	
SAE J1939 Multiplexing				
+ Alternate Frequency Switch			Disable	
+ Droop Adjust Switch Multiplexing			Disable	
+ Engine Protection Shutdown Manual Override			Disable	
+ Frequency Adjust Switch			Disable	
+ Gain Adjust Switch			Disable	
+ Idle Increment/ Idle Decrement Switch			Disable	
+ Idle Rated Switch			Enable	
+ Speed Bias Switch			Disable	
Trip Information			Enable	
ECM Time Offset			0 hrs	
Engine Time Offset			0 hrs	
Water In Fuel Sensor			Installed	

Features and Parameters
 Customer Name : Customer Name**
 Work Order Name : NA

Company Name : Cummins
 Customer Unit Number : *****

INSITE 7.5.0.234
 Engine Serial Number : 73305278
 ECM Image Name : NA

Features and Parameters	ECM Value	Units	Original Value
[-] QSL9 - CM850 - Power Gen			
[-] CM850			
[-] System ID and Dataplate			
[-] Calibration Information			
[-] Calibration Software Phase			12010008
[-] Calibration Time/Date Stamp			081109150357
[-] DO Option			90609
[-] ECM Code			AZ90040.07
[-] Other Options			
[-] SC Option			97553
[-] Customer Information			
[-] Customer Location			*****
[-] Customer Name			Customer Name**
[-] Customer Unit Number			*****
[-] ECM Information			
[-] ECM Name			CM850
[-] ECM Part Number			4921776
[-] ECM Serial Number			35087233
[-] Engine Information			
[-] Engine Build Date			092111
[-] Engine Make			CMMNS
[-] Engine Model			????????????????
[-] Engine Serial Number			73305278

NOTES:

1. WIRE SHALL BE UL1015 AND CSA RECOGNIZED THERMOPLASTIC FOR 600V.

2 MFR: AMP OR EQUIVALENT.

3 MFR: AMERICAN ELECTRICAL OR EQUIVALENT.

4 MFR: PACKARD.

5. WORKMANSHIP SHALL BE PER DRAWING 22087282.

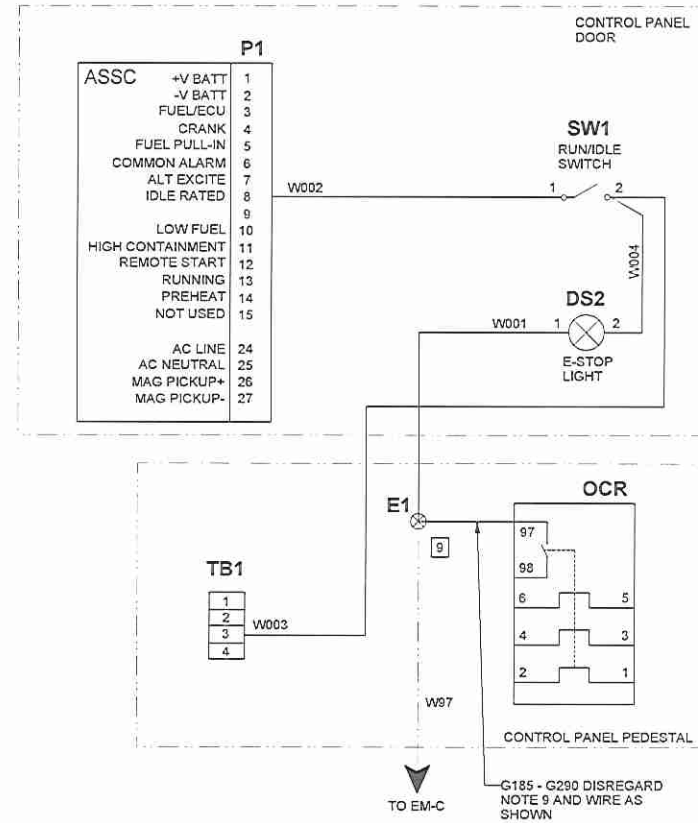
6. APPLY HEAT SHRINK TO ALL UNINSULATED TERMINALS.

7 MFR: ALPHA.

8 MFR: MOLEX OR EQUIVALENT.

9 ON G450/G570 PEDESTALS DO NOT SPLICE W001 TO TERMINAL 97 ON THE OCR. FIND WIRE 97(WHITE) AND CUT ANY TERMINAL OFF. STRIP WIRE AND SPLICE INTO E1 INSULATED BUTT SPLICE.

REVISIONS							
ZONE	REV	ECN	DESCRIPTION	DATE	DRAWN	CHECKED	APPR
-	A	D5081	ORIGINAL RELEASE	2011MAY25	JDM	JDM	DRH
-	B	CN011401	ADDED NOTE 9. ADDED NOTE TO WIRE FROM E1 TO OCR-97	2011SEP16	JDM	DRH	DRH



WIRE TABLE

NO.	COLOR	WIRE TYPE	AWG	FROM COMP.	TERM.	TO COMP.	TERM.
W001	WHITE	MTW	18	DS2-1	3	E1	8
W002	WHITE	MTW	18	SW1-1	2	P1-8	1
W003	WHITE	MTW	18	SW1-2	2	TB1-3	1
W004	WHITE	MTW	18	WSW1-2		DS2-2	3

ITEM	QTY.	DESCRIPTION	PART NO.	MFR	REF DES
6	1	CONN. BUTT SPLICE, BLUE; 14-16AWG	19154-0015	8	E1
5	A/R	HEAT SHRINK ADHESIVE LINED 1/4"	FIT-321-1/4	7	
4	A/R	CONVOLUTED TUBING 6mm I.D.	M1889001	4	
3	2	TERMINAL, FEM UNINSUL. .110" 2.9mm X 0.51mm 20-16AWG	62191-1	2	DS2
2	2	TERMINAL, FEM UNINSUL. .250" .63mm X 0.8mm 20-14AWG	41274	2	SW1
1	2	TERMINAL, FERRULE SLEEVE 8mm, 18 AWG	1182010	3	TB1-3, P1-8

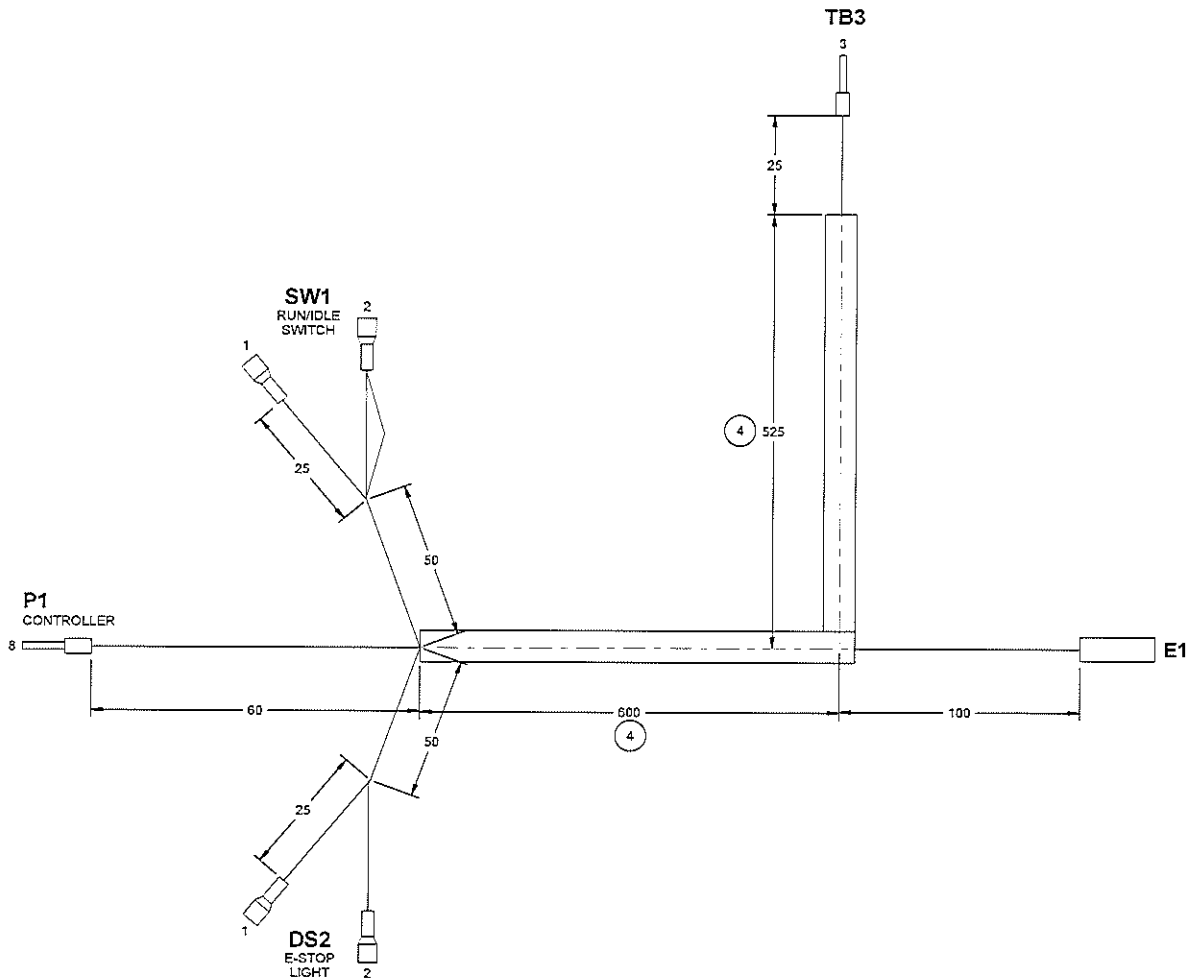
PARTS LIST

SOURCE CONTROL DRAWING

SEE DRAWING 23052378 FOR APPROVED SOURCES OF SUPPLY

MFR NAME	ADDRESS	PART NO.
<p>ONLY THE ITEM DESCRIBED ON THIS DRAWING WHEN PROCURED FROM THE MANUFACTURER(S) LISTED HEREON IS APPROVED. A SUBSTITUTED ITEM SHALL NOT BE USED WITHOUT WRITTEN APPROVAL BY DOOSAN INFRACORE. PORTABLE POWER.</p> <p>THIS PART SHALL BE LABELED WITH THE MFR NAME AND PART NUMBER. NO SUPPLIER INFORMATION OR SUPPLIER LABELING SHOULD APPEAR ON THE PART OR PART PACKAGING. IF THE PART IS CUT AND/OR SHARP PREVENT FROM LABELING, THE PART SHOULD HAVE NO IDENTIFICATION OF ANY TYPE ON THE PART.</p>		
APPROVED SOURCES OF SUPPLY		

<p>TOLERANCES</p> <p>UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE AS SPECIFIED ON DRAWING 3685731</p> <p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS.</p>	<p>PROPRIETARY NOTICE</p> <p>THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF DOOSAN INFRACORE AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER (BY RECEPTION AND RETENTION OF THE DRAWING) ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT: (1) IT WILL NOT USE THE DRAWING COPY FOR THE CONFIDENTIAL OR TRADE SECRET OF ANY INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS; (4) NOT REPRODUCE THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (5) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM.</p>	<p>WARNING: THE EXPORT OR REEXPORT OF THIS DRAWING OR A PRODUCT PRODUCED BY THIS DRAWING IS SUBJECT TO U.S. EXPORT ADMINISTRATION REGULATIONS AND OTHER APPLICABLE GOVERNMENT RESTRICTIONS OR REGULATIONS.</p>	<p>DO NOT SCALE DRAWING</p> <p>DRAWING CONFORMS TO ASME Y14.5M - 1994</p> <p>CAUTION: ALL DRAWINGS NO MANUAL REVISIONS ALLOWED</p>	<p>DOOSAN Infracore Portable Power</p> <p>HARNES, SAO; RUN IDLE/E-STOP LIGHT</p>	<p>SIZE: A1</p>	<p>SCALE: NONE</p>	<p>NOVA</p>	<p>46570739</p>	<p>REV: B</p>
					<p>COPYRIGHT © 2011 DOOSAN INFRACORE ALL RIGHTS RESERVED</p>	<p>UNLESS OTHERWISE SPECIFIED - REMOVE ALL BURRS AND SHARP CORNERS - WELD IN WELDS TO BE IN ACCORDANCE WITH ANS/B31.4</p>	<p>NOVA</p>	<p>NOVA</p>	<p>NOVA</p>



<small> THIS DRAWING IS THE PROPERTY OF THE COMPANY AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE COMPANY. IT IS TO BE USED ONLY FOR THE PROJECT AND QUANTITY SPECIFIED. IT IS TO BE DESTROYED WHEN NO LONGER REQUIRED. </small>		HARNESS, SAC: RUN IDLE/E-STOP LIGHT	
A1	46570739	B	
NONE		SHEET 2 OF 2	