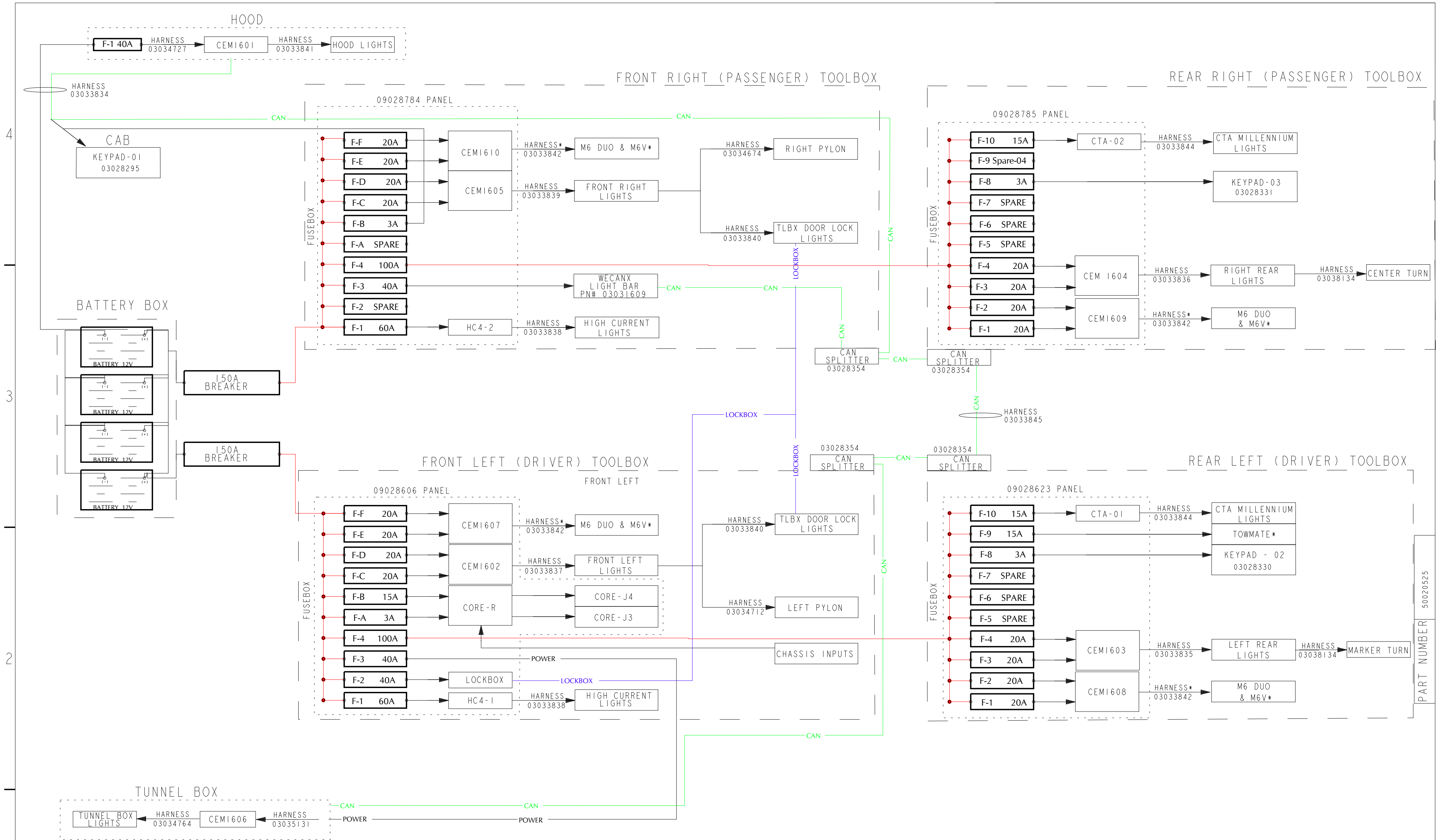




KEY	
CEM160X	- LOW CURRENT MODULE, 16 OUTPUTS 2.5 AMPS EACH
X	- ADDRESS ID#
CORE-R	- CENTRAL CONTROLLER
HC-4X	- HIGH CURRENT MODULE, 4 OUTPUTS 15 AMPS EACH
X	- ADDRESS ID#
CTA	- TRAFFIC ADVISOR MODULE FOR MILLENNIUM LIGHTS

- NOTES:
- 1) *=OPTIONAL
 - 2) DASHED THICK LINES = FUSE
 - 3) DASHED MEDIUM LINES = PANEL
 - 4) THE CAN CONNECTION MUST FOLLOW DIAGRAM EXACTLY AND SHALL ONLY CROSSOVER AT THE TAIL END OF TRUCK; CAN IS A LINEAR NETWORK.

REV.	E.C.N.	DESCRIPTION	INIT.	DATE

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PROJ. NAME: MITT-ILC

FILE NAME: 50020525

CORPORATE ENGINEERING

8503 HILLTOP DR. COOLETWAH, TN 37363

(423) 238-4171

SCH. TYPE: Wiring	DESCRIPTION:
DRW. DATE: 12/9/2024	MITT-ILC INTEGRATED BLOCK DIAGRAM
MOD. DATE: 8/12/2025	
CHK. DATE: 12/18/2024	
SYSTEM OVERVIEW	
DRAWN BY: JASON ZHAO	DWG NO: 50020525
CHK BY: PAUL WAILAND	SHEET: 1 OF 4

REV. 01

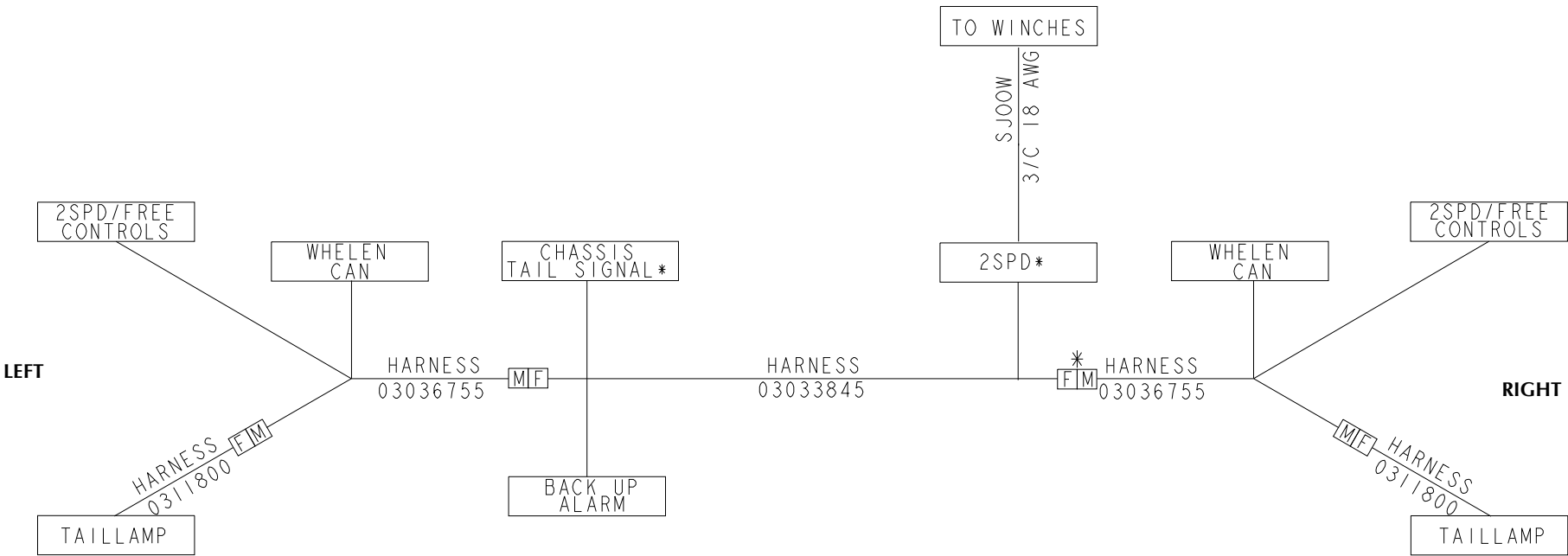
WIRE COLOR CODE

ITEM	COLOR	LIGHT HEAD
1	gry	Aux Beacon
2	tan	Side Beacon
3	lt_blu	TL/BX Beacon
5	lt_grn	Upper Work
6	lt_grn	Side Work
7	lt_grn	Swivel Work
8	org	Lower Work
9	org	U/L Work
10	blu	Driver Dock
11	blu	Pass. Dock
12	blk	TL box light
13	pnk	PTO
14	red	Controls Pwr.
15	brn	Marker
16	grn	RH Turn
17	yel	LH Turn
18	red	Brake
19	blu	Reverse
20	gry	LOCK
21	lt_grn	UNLOCK
22	red	battery
23	wht	gnd
24	vlt	ignition
25	gry	2spd-1
26	gry	2spd-2
27	blu	freespool-1
28	blu	freespool-2

CAN SPLITTER 03028354

INTERFACE CONNECTOR	PINOUT	FUNCTION	CAN COLOR	WECANX COLOR
DT06-3S	A	CAN-H	YEL	GRN
DT06-3S	B	CAN-L	GRN	GRY
DT06-3S	C	SHIELD	BARE	BLK/WHT OR BARE
DT06-12SA-B016	1	CAN-L	GRN	GRY
DT06-12SA-B016	2	CAN-H	YEL	GRN
DT06-12SA-B016	3	SHIELD	BARE	BLK/WHT OR BARE
DT06-12SA-B016	4	SHIELD	BARE	BLK/WHT OR BARE
DT06-12SA-B016	5	CAN-H	YEL	GRN
DT06-12SA-B016	6	CAN-L	GRN	GRY
DT06-12SA-B016	7	CAN-L	GRN	GRY
DT06-12SA-B016	8	CAN-H	YEL	GRN
DT06-12SA-B016	9	SHIELD	BARE	BLK/WHT OR BARE
DT06-12SA-B016	10	SHIELD	BARE	BLK/WHT OR BARE
DT06-12SA-B016	11	CAN-H	YEL	GRN
DT06-12SA-B016	12	CAN-L	GRN	GRY
DT06-3S	A	CAN-H	YEL	GRN
DT06-3S	B	CAN-L	GRN	GRY
DT06-3S	C	SHIELD	BARE	BLK/WHT OR BARE

TAIL LIGHTS CROSSOVER (AT REAR)



KEY

- F - FEMALE CONNECTOR
- M - MALE CONNECTOR
- * - CUSTOMER CONNECTION



PROJ. NAME:	MITT-ILC
FILE NAME:	50020525
CORPORATE ENGINEERING 8503 HILLTOP DR. OOLTEWAH, TN 37363 (423) 238-4171	

SCH. TYPE:	Wiring
DRW. DATE:	12/9/2024
MOD. DATE:	8/12/2025
CHK. DATE:	12/18/2024

DESCRIPTION:
MITT-ILC INTEGRATED BLOCK DIAGRAM
REAR CROSSOVER, COLOR CODE, & HARNESS SUMMARY

REV.	E.C.N.	DESCRIPTION	INIT.	DATE

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DRAWN BY: JASON ZHAO	DWG SIZE B	DWG NO: 50020525	REV. 01
CHK BY: PAUL WAILAND	SHEET: 2 OF 4		

HARNESS LIST

ITEM	MILLER PART#	HARNESS
A	03033833	MITT-ILC CEM16 LIGHTBAR/GENERIC
B	03033834	MITT-ILC CAB/HOOD CAN
C	03033835	MITT-ILC LH REAR CEM16
D	03033836	MITT-ILC RH REAR CEM16
E	03033837	MITT-ILC LH FRONT LGHTS CEM16
F	03033838	MITT-ILC LH FRONT LGHTS HC4
G	03033839	MITT-ILC RH FRONT LGHTS CEM16
H	03033840	MITT-ILC TLBX DOOR HARNESS
J	03033841	MITT-ILC HOOD M6 HARNESS 1
K	03033842	MITT-ILC 2nd CEM16 M6 DUO&V
L	03033843	MITT-ILC TAILLIGHT ADAPTER2
M	03033844	MITT-ILC CTA MILLENNIUM LIGHT
N	03033845	MITT-ILC TAIL TLBX CROSSOVER
T	03035131	MITT-ILC TUNNEL BOX HARNESS 2
U	03034674	MITT-ILC RIGHT PYLON HARNESS
V	03036755	MITT-ILC TAIL TLBX CROSSOVER INTFCE
W	03034852	MITT-ILC CAN Bus Connector Kit
X	03034764	MITT-ILC Tunnel box harness 1
Y	03034712	MITT-ILC LEFT PYLON HARNESS
Z	03034727	MITT-ILC HOOD M6 Harness 2
AA	03038116	MITT-ILC TAILITE ADPT INTERNAT
BB	03038134	MITT-ILC BOTTOM MARKER EXTN.
-	0311800	Rear Tail Lamp Harness
-	50020525	MITT-ILC INTEGRATED BLOCK DIAGRAM

WHELEN REPLACEMENT HW

Part#	Qty.	Description
03028291	1	CONTROLLER WHELEN CORE-R*
03034029	1	CONTROLLER, WHELEN CEM1603*
03034030	1	CONTROLLER, WHELEN CEM1604*
03034031	1	CONTROLLER, WHELEN CEM1605*
03028292	1	CONTROLLER,WHELEN CEM1601 (Hood Module)*
03028294	1	CONTROLLER, WHELEN HC CEM4HC01*
03028300	1	CONTROLLER, WHELEN HC CEM4HC02*
03028295	1	KEYPAD, WHELEN WECANX 21 SLIDE*
03028330	1	KEYPAD, WHELEN 21SLIDE DRVR 2*
03028331	1	KEYPAD, WHELEN 21SLIDE PASS 3
03028301	1	CONTROLLER,WHELEN CEM1602 DVI*
03033909	1	CONTROLLER, WHELEN CTA2 MODULE*
03033908	1	CONTROLLER, WHELEN CTA1 MODULE*
03034874	1	CONTROLLER, WHELEN CEM1606 (Tunnelbox)
03037634	1	350A PDM 4 MIDI 6ATO 880089*
03028452	1	REAR FUSE BLOCK, ATC X 10, 30A/100A*
03028293	1	CONTROLLER, WHELEN CEM8 OUTPUT*
03028354	1	SPLITTER, CAN, 6X, TROMB 99-0770*
03030552	1	CONN ATV RCPT 18 M, XX-PA-BUS*
03030553	1	CONN ATV PLUG 18 F, XX-18SA*
03031609	1	LIGHTBAR, FIV WCX, 72 in, 16 A/A*

*= INCLUDED IN BASE PACKAGE

MITT-ILC WECANX2.0 HARNESS KIT, 09031225

Part#	Qty.	Description
03030552	2	ATV04-18PA-BUS, 18 Pin Ground Bus Connector
03033834	1	MITT-ILC CAB/HOOD CAN
03033835	1	MITT-ILC LEFT REAR CEM16
03033836	1	MITT-ILC RIGHT REAR CEM16
03033837	1	MITT-ILC LH FRONT LGHTS CEM16
03033838	2	MITT-ILC LH FRONT LGHTS HC4
03033839	1	MITT-ILC RH FRONT LGHTS CEM16
03033840	2	MITT-ILC TLBX DOOR HARNESS
03033841	1	MITT-ILC HOOD M6 HARNESS
03033845	1	MITT-ILC TAIL TLBX CROSSOVER
03034674	1	MITT-ILC RIGHT PYLON HARNESS
03034712	1	MITT-ILC LEFT PYLON HARNESS
03034727	1	MITT-ILC HOOD M6 Harness 2
03036755	2	MITT-ILC TLBX CROSSOVER INTER
03038134	2	MITT-ILC BOTTOM MARKER EXTN.*

*= NEW

OPTIONAL PARTS, CONFIGURATION DEPENDANT

Part#	Qty.	Description
03033843	1	MITT-ILC TAILLIGHT ADAPTER2 (6pin Metripack)
03038116	1	MITT-ILC TAILITE ADPT INTERNAT*
03033842	1	MITT-ILC 2nd CEM16 M6 DUO&V
03033844	1	MITT-ILC CTA MILLENNIUM LIGHT
03035131	1	MITT-ILC TUNNEL BOX HARNESS 2
03034764	1	MITT-ILC Tunnel box harness 1
03034874	1	CONTROLLER, WHELEN CEM1606 (Tunnelbox)
03033833	1	MITT-ILC CEM16 LIGHTBAR/GENERIC*
03028296	1	GPS, WHELEN VEHICLE2VEHCL SYNC

*= NEW

MITT-ILC WHELEN PANEL KIT, 09030722

Part#	Qty.	Description
09028606	1	MITT-ILC FRONT LEFT PANEL
09028623	1	MITT-ILC REAR LEFT PANEL
09028784	1	MITT-ILC FRONT RIGHT PANEL
09028785	1	MITT-ILC REAR RIGHT PANEL

HOOD CONTROLLER AND MOUNTING PLATE

Part#	Qty.	Description
03028292	1	CONTROLLER,WHELEN CEM1601 (HOOD MODULE)
07042558	1	MITT-ILC M6 MOUNTING PLATE (HOOD)

MISCELLANEOUS PARTS

Part#	Qty.	Description
03034852	1	MITT-ILC CAN Bus Connector Kit
0311800	1	HARNESS, REAR TAILLAMP

					PROJ. NAME: MITT-ILC			
					FILE NAME: 50020525			
SCH. TYPE: Circuit DRW. DATE: 12/9/2024 MOD. DATE: 8/12/2025 CHK. DATE: 8/12/2025					DESCRIPTION:			
					MITT-ILC INTEGRATED BLOCK DIAGRAM DRAWING / PARTS LIST			
REV. E.C.N.	DESCRIPTION	INIT.	DATE	DRAWN BY: JASON ZHAO		DWG SIZE B	DWG NO: 50020525	REV. 01
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FRONT PASSENGER (RIGHT)

HARNESS 03033839

Drawing	CEM16	CONN	PIN	HeadUnit	CEM1605
G	J5-1	CF--G01	1	PASS DOCK	FR Swivel Work
G	J5-2	CF--G04	1	SIDE BEACN	M6-FR (Front/hood)
G	J5-3	CF--G11	1	SIDE BEACN	M6-FR-1 pylon
G	J5-4	CF--G11	2	SIDE BEACN	M6-FR-2 pylon
G	J5-5	CF--G11	3	MARKER	Pylon Marker Light (Non-flashing)
G	J5-6	CF--G11	4	BRAKE	Pylon Brake Light
G	J5-7	CF--G05/6	1	MARKER	Marker (General Purpose)
G	J5-8	CF--G08	4	TLBX Beacon	Flash/Warn
G	J6-1	CF--G09	1	U/L work	L-U/L work
G	J6-2	CF--G09	3	U/L work	R-U/L work
G	J6-3	CF--G13	1	MARKER(NO FLASH)TOOL BOX	boomside tlbx accent rear (Rear-8PCS)
G	J6-4	CF--G07/12	1	TOOL BOX	TLBX LITE
G	J6-5	CF--G14/G(14)	1	TOOL BOX	TLBX LITE
G	J6-6	CF--G08	2	TOOL BOX	DOOR HANDEL LITE (NON FLASH)
G	J6-7	CF--G02	1	TOOL BOX	Front Under tlbx accent light (Front-8PCS)
G	J6-8	CF--G03	1	MARKER	Front Glo Light

HARNESS 03033838

HC4_2	CONN	PIN	HeadUnit	HC4_2_1
1	CF-F01	1	AUX BEACON	whelen mini (10x10)
2	CF-F01	2	PASS DOCKSIDE WORK	RAZOR/HI20
3	CF-F01	3	PASS DOCKSIDE WORK	RAZOR/HI20
4	CF-F01	4	SWIVEL WORK	SPARE

HARNESS 03033842

CEM1610	HeadUnit	CONNECTOR	PIN
DUOR1-C1	SIDE BEACN	CF-K01	1
DUOR1-C2	SIDE BEACN	CF-K01	2
DUOR2-C1	SIDE BEACN	CF-K03	1
DUOR2-C2	SIDE BEACN	CF-K03	2
DUOR3-C1	SIDE BEACN	CF-K05	1
DUOR3-C2	SIDE BEACN	CF-K05	2
DUOR4-C1	SIDE BEACN	CF-K07	1
DUOR4-C2	SIDE BEACN	CF-K07	2
M6VR1-M6	SIDE BEACN	CF-K02	1
M6VR1-DK	PASS DOCK	CF-K02	2
M6VR2-M6	SIDE BEACN	CF-K04	1
M6VR2-DK	PASS DOCK	CF-K04	2
M6VR3-M6	SIDE BEACN	CF-K06	1
M6VR3-DK	PASS DOCK	CF-K06	2
M6VR4-M6	SIDE BEACN	CF-K08	1
M6VR4-DK	PASS DOCK	CF-K08	2

REAR PASSENGER (RIGHT)

HARNESS 03033836

Drawing	CEM16	CONN	PIN	HeadUnit	CEM1604
D	J5-1	CF-D04	1	SIDE BEACN	M6-R1
D	J5-2	CF-D01	2	Marker Non-Flashing	Center Turn Right
D	J5-3	CF-D04	2	PASS DOCK	PASS DOCK-R1
D	J5-4	CF-D04/5/6	3	MARKER	DOCK MARKER-R1/2/3
D	J5-5	CF-D05	2	PASS DOCK	PASS DOCK-R2
D	J5-6	CF-D06	2	PASS DOCK	PASS DOCK-R3
D	J5-7	CF-D05	1	SIDE BEACN	M6-R2
D	J5-8	CF-D09/11	1	MARKER	MARKER (General Purpose)
D	J6-1	CF-D06	1	SIDE BEACN	M6-R3
D	J6-2	CF-D13	1	SIDE BEACN	M6-R4
D	J6-3	CF-D14	1	LOWER WORK	Lower Work-R
D	J6-4	CF-D15	1	SWIVEL WORK	Swivel Work-R
D	J6-5	CF-D08	1	CONTROLS	Controls PWR.-R
D	J6-6	CF-D01	3	RIGHT TURN	right turn
D	J6-7	CF-D01/10/10A	1	TOOL BOX	TLBX LITE
D	J6-8	CF-D03	1	MARKER	Rear GLO LITE

HARNESS 03033842

CEM1609	HeadUnit	CONNECTOR	PIN
DUOR5-C1	SIDE BEACN	CF-K01	1
DUOR5-C2	SIDE BEACN	CF-K01	2
DUOR6-C1	SIDE BEACN	CF-K03	1
DUOR6-C2	SIDE BEACN	CF-K03	2
DUOR7-C1	SIDE BEACN	CF-K05	1
DUOR7-C2	SIDE BEACN	CF-K05	2
DUOR8-C1	SIDE BEACN	CF-K07	1
DUOR8-C2	SIDE BEACN	CF-K07	2
M6VR5-M6	SIDE BEACN	CF-K01	1
M6VR5-DK	PASS DOCK	CF-K01	2
M6VR6-M6	SIDE BEACN	CF-K03	1
M6VR6-DK	PASS DOCK	CF-K03	2
M6VR7-M6	SIDE BEACN	CF-K05	1
M6VR7-DK	PASS DOCK	CF-K05	2
M6VR8-M6	SIDE BEACN	CF-K07	1
M6VR8-DK	PASS DOCK	CF-K07	2

MILLENNIUM LIGHTS REAR RIGHT

HARNESS 03033844

J2-1	gnd	Rear
J2-2	gnd	
J2-3	gnd	
J2-4	gnd	
J2-5	gnd	
J2-6	gnd	
J2-7	gnd	
J2-8	gnd	Front
J2-9	+batt	
J2-10	+batt	

TUNNEL BOX

HARNESS 03034764

DRAWING	CEM16	CONNECTOR	PIN	HeadUnit	CEM1606
X	J5-1	CF-X14, CF-X15	1	TLBX LITE	LH
X	J5-1	CF-X32	3	TLBX LITE	LH
X	J5-2	CF-X05, CF-X19	2	tlbx beacon	Flashing/warning
X	J5-2	CF-X32	4	tlbx beacon	Flashing/warning
X	J5-3	CF-X04	1	Marker	GLO/Millinum
X	J5-4	CF-X06	1	UPPER WORK	LH
X	J5-5	CF-X08	1	SIDE BEACON	LH M6
X	J5-6	CF-X08	2	SIDE BEACON	LH M6 C2
X	J5-7	CF-X07	1	Dock	LH
X	J5-8	CF-X09, CF-X010, CF-X12, CF-X13	2	Marker	LH (Bottom)
X	J5-8	CF-X07	1	Marker	LH (Bottom)
X	J6-1	CF-X16, CF-X17	1	TLBX LITE	RH
X	J6-1	CF-X32	2	TLBX LITE	RH
X	J6-2	CF-X05, CF-X19	3	TLBX LITE	Door handle/Accent
X	J6-2	CF-X25, CF-X11	1	TLBX LITE	Door handle/Accent
X	J6-2	CF-X32	6	TLBX LITE	Door handle/Accent
X	J6-3	CF-X18	1	Marker	GLO/Millinum
X	J6-4	CF-X20	1	Upper Work	RH
X	J6-5	CF-X22	1	SIDE BEACON	RH M6
X	J6-6	CF-X22	2	SIDE BEACON	RH M6 C2
X	J6-7	CF-X21	1	Dock	RH
X	J6-8	CF-X21, CF-X23, CF-X24, CF-X26, CF-X27	1	Marker	RH (Bottom)
X	J6-8	CF-X21	2	Marker	RH (Bottom)

HOOD LIGHT*

HARNESS 03033841

Drawing	CEM16	CONNECTOR	PIN	HeadUnit	CEM1601
J	J5-1	CF-J04	1	SIDE BEACN	LH GRILL UP C1
J	J5-2	CF-J04	7	SIDE BEACN	LH GRILL UP C2
J	J5-3	CF-J04	2	SIDE BEACN	LH GRILL LOW C1
J	J5-4	CF-J04	8	SIDE BEACN	LH GRILL LOW C2
J	J5-5	CF-J04	3	SIDE BEACN	LH SIDE HOOD C1
J	J5-6	CF-J05	1	MARKER	GLO Light
J	J5-7	CF-J06	1	SIDE BEACN	LH M6 Basic
J	J5-8	CF-J04	9	SIDE BEACN	LH SIDE HOOD C2
J	J6-1	CF-J04	4	SIDE BEACN	RH GRILL UP C1
J	J6-2	CF-J04	10	SIDE BEACN	RH GRILL UP C2
J	J6-3	CF-J04	5	SIDE BEACN	RH GRILL LOW C1
J	J6-4	CF-J04	11	SIDE BEACN	RH GRILL LOW C2
J	J6-5	CF-J04	6	SIDE BEACN	RH SIDE HOOD C1
J	J6-6	CF-J05	4	MARKER	GLO Light
J	J6-7	CF-J06	4	SIDE BEACN	RH M6 Basic
J	J6-8	CF-J04	12	SIDE BEACN	RH SIDE HOOD C2

NON-WHELEN (GENERIC) LIGHT PROGRAM

HARNESS 03033833

CEM1610	CEM16	HeadUnit	CONNECTOR	PIN
FRONT WARN	J5-1	BEACN	CF-A04	1
REAR WARN	J5-2	BEACN	CF-A04	2
TAKE DOWN	J5-3	TAKE DWN	CF-A04	3
LEFT TURN	J5-4	CHASSIS	CF-A04	4
RIGHT TURN	J5-5	CHASSIS	CF-A04	5
MARKER	J5-6	CHASSIS	CF-A04	6
LOW POWER ENABLE	J5-7	DVI	CF-A04	13
CRUISE	J5-8	GND ENABLE	CF-A04	14
TRAFFIC ADV. LEFT	J6-1	<=>	CF-A04	15
TRAFFIC ADV. RIGHT	J6-2	=>	CF-A04	16
MARKER-0	J6-3	MARKER FLASH	CF-A02	1
MARKER-180	J6-4	MARKER FLASH	CF-A02	2
MARKER-0	J6-5	MARKER FLASH	CF-A02	3
MARKER-180	J6-6	MARKER FLASH	CF-A02	4
MARKER-0	J6-7	MARKER FLASH	CF-A02	5
MARKER-180	J6-8	MARKER FLASH	CF-A02	6

REAR DRIVER (LEFT)

MILLENNIUM LIGHTS REAR LEFT

HARNESS 03033844

J2-1	gnd	Rear
J2-2	gnd	
J2-3	gnd	
J2-4	gnd	
J2-5	gnd	
J2-6	gnd	
J2-7	gnd	
J2-8	gnd	Front
J2-9	+batt	
J2-10	+batt	

FRONT DRIVER (LEFT)

HARNESS 03033837

Drawing	CEM16	CONN	PIN	HeadUnit	CEM1602
E	J5-1	CF-E01	1	DRVR DOCK	Swivel Work-FL
E	J5-2	CF-E04	1	SIDE BEACN	M6-FL (Front/hood)
E	J5-3	CF-E11	1	SIDE BEACN	M6-FL-1 pylon
E	J5-4	CF-E11	2	SIDE BEACN	M6-FL-2 pylon
E	J5-5	CF-E11	3	UPPER WORK	Pylon Work Light-L
E	J5-6	CF-E11	4	UPPER WORK	Pylon Work Light-R
E	J5-7	CF-E05/6	1	MARKER	Marker (General Purpose)
E	J5-8	CF-E08	4	TLBX Beacon	Flash/Warn
E	J6-1	CF-E09	1	PTO	PTO
E	J6-2	CF-E10	1	CONTROLS	Controls PWR.
E	J6-3	CF-E13	1	MARKER(NO FLASH)TOOL BOX	boomside tlbx accent rear (Rear-8PCS)
E	J6-4	CF-E07/12	1	TOOL BOX	TLBX LITE
E	J6-5	CF-E14/E(14)	1	TOOL BOX	TLBX LITE
E	J6-6	CF-E08	2	TOOL BOX	DOOR HANDEL LITE (NON FLASH)
E	J6-7	CF-E02	1	TOOL BOX	Front Under tlbx accent light (Front-8PCS)
E	J6-8	CF-E03	1	MARKER	Front GLO LITE

HARNESS 03033842

CEM1607	HeadUnit	CONNECTOR	PIN
DUO1F-C1	SIDE BEACN	CF-K01	1
DUO1F-C2	SIDE BEACN	CF-K01	2
DUO2-C1	SIDE BEACN	CF-K03	1
DUO2-C2	SIDE BEACN	CF-K03	2
DUO3-C1	SIDE BEACN	CF-K05	1
DUO3-C2	SIDE BEACN	CF-K05	2
DUO4R-C1	SIDE BEACN	CF-K07	1
DUO4R-C2	SIDE BEACN	CF-K07	2
M6V1F-M6	SIDE BEACN	CF-K02	1
M6V1F-DK	DRVR DOCK	CF-K02	2
M6V2-M6	SIDE BEACN	CF-K04	1
M6V2-DK	DRVR DOCK	CF-K04	2
M6V3-M6	SIDE BEACN	CF-K06	1
M6V3-DK	DRVR DOCK	CF-K06	2
M6V4R-M6	SIDE BEACN	CF-K08	1
M6V4R-DK	DRVR DOCK	CF-K08	2

HARNESS 03033838

HC4_1	CONNECTOR	PIN	HeadUnit	HC4
1	CF-F01	1	AUX BEACON	whelen mini (10x10)
2	CF-F01	2	DRVR DOCKSIDE WORK	RAZOR/HI20
3	CF-F01	3	DRVR DOCKSIDE WORK	RAZOR/HI20
4	CF-F01	4	SWIVEL WORK	SPARE

Core R	CONN	HeadUnit	Core R_1
J-4	J3	CNTL	CONTROLS PWR.

CORE R INPUTS*

CONNECTOR	PINOUT	Plug Position	Label	Wire Color
N/A	N/A	J3-1	Battery	Red (+)
DT06-08SA	1	J3-2	Left Turn	Wht/Brn (+)
DT06-08SA	2	J3-3	Right Turn	Wht/Red (+)
DT06-08SA	3	J3-4	Brake	Wht/Org (+)
DT06-08SA	4	J3-5	Marker	Brn (+)
N/A	N/A	J3-6	Ground	Blk
DT06-08SA	5	J3-7	Ignition	Red/Wht (+)
DT06-08SA	6	J3-8	Reverse	Org (+)
DT06-08SA	7	J3-9	LOCK/UNLOCK	Yel (+)
DT06-08SA	8	J3-10	E-Stop	Grn (+)



PROJ. NAME: MITT-ILC

FILE NAME: 50020525

CORPORATE ENGINEERING

8503 HILLTOP DR. OOLTEWAH, TN 37363
(423) 238-4171

SCH. TYPE: Wiring

DESCRIPTION:

DRW. DATE: 12/9/2024

MOD. DATE: 8/12/2025

CHK. DATE: 12/18/2024

MITT-ILC INTEGRATED BLOCK DIAGRAM

HARNESSING TERMINATION TABLES

DRAWN BY: JASON ZHAO

DWG

SIZE

CHK BY: PAUL WAILAND

SHEET: 3 OF 4

DWG NO: 50020525

REV.

01

PART NUMBER 50020525