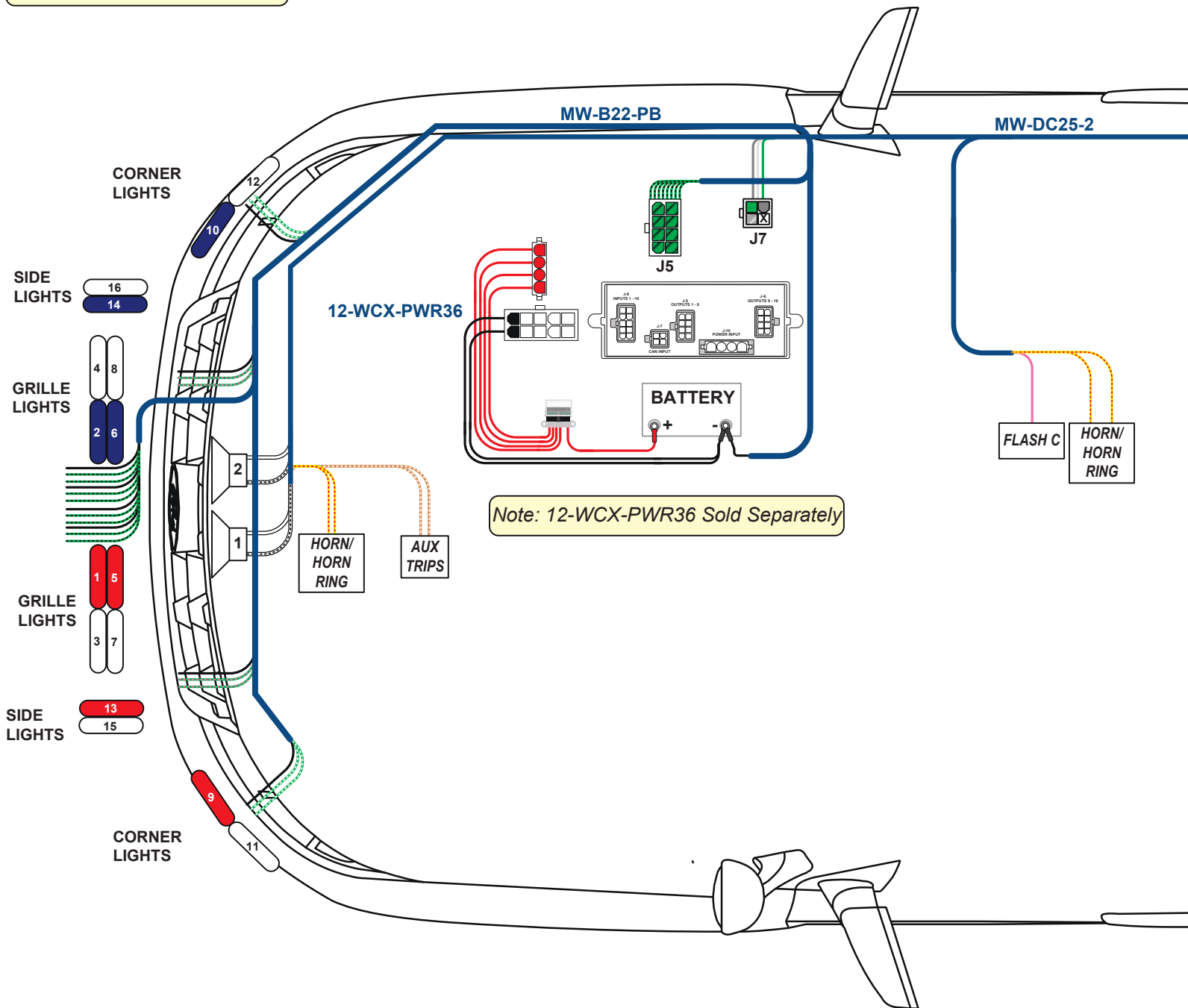




QK-WCX-200PB

Dual Color Lighthead Kit Supports Whelen
CenCom Core WeCan X Siren

Note: Connectors shown in rear view.



FRONT COMPONENTS:

GRILLE LIGHTS

- See MW-B22-PB Layout

SIDE LIGHTS

- See MW-B22-PB Layout

CORNER LIGHTS

- See MW-B22-PB Layout

SPEAKERS

- See MW-DC25-2 Layout

J7 DATA CONNECTOR

- See MW-DC25-2 Layout

HORN / HORN RING

- See MW-DC25-2 Layout

AUX TRIPS

- See MW-DC25-2 Layout

MID COMPONENTS:

FLASH C

- See MW-DC25-2 Layout

HORN / HORN RING

- See MW-DC25-2 Layout

PRODUCTS SHOWN ON LAYOUT:

Main Harness: MW-DC25-2
 Front Harness: MW-B22-PB
 Rear Harness: UB-RLH13-C-PPWC
 Underhood Power: 12-WCX-PWR36

TECHNICAL SUPPORT & SALES CONTACT:

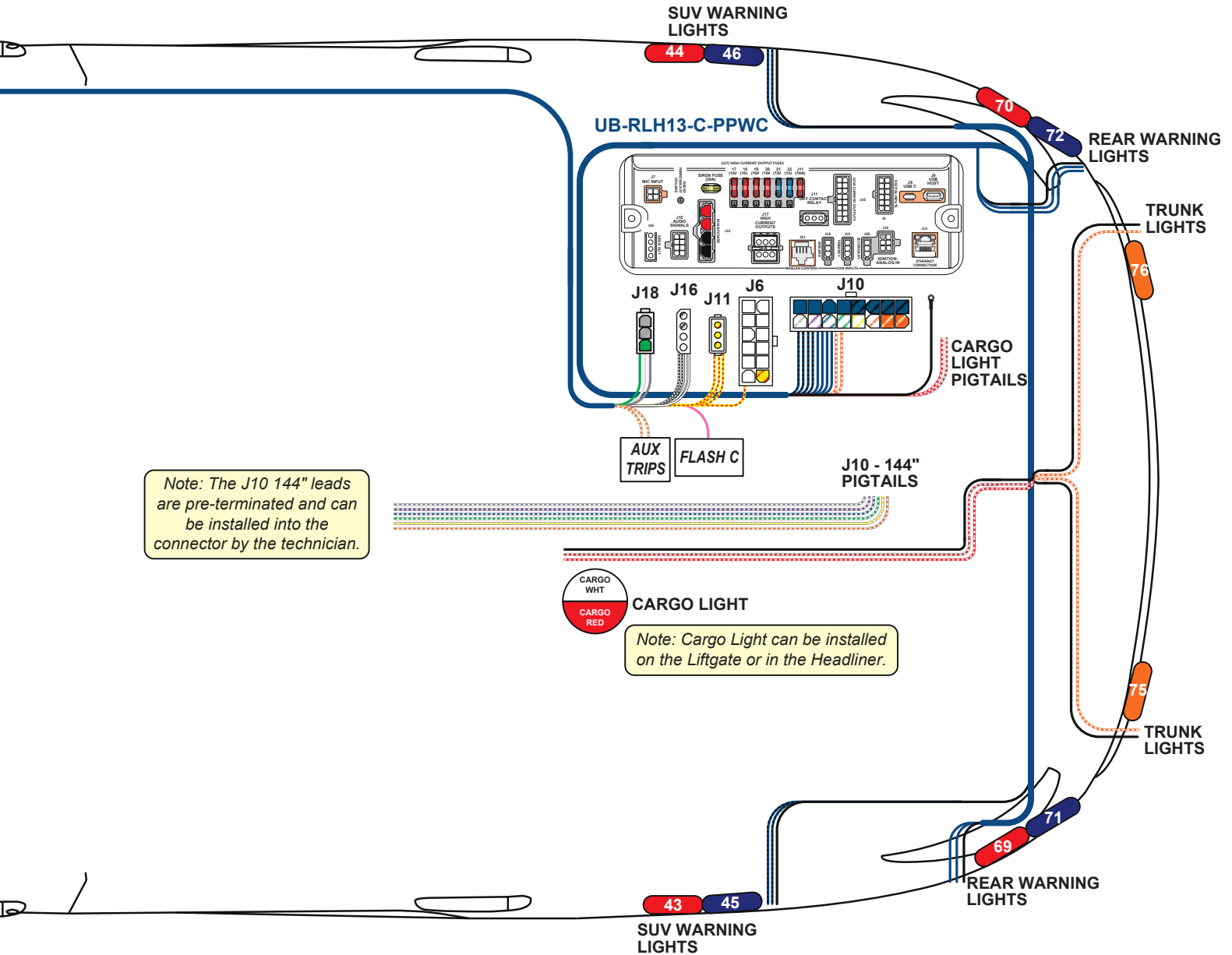
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 012221

ECN 000000



REAR COMPONENTS:

CORE MODULE

- See QK-WCX-200PB CORE Module Layout

FLASH C

- See MW-DC25-2 Layout

AUX TRIPS

- See MW-DC25-2 Layout

CARGO LIGHT

- See UB-RLH13-C-PPCW Layout

SUV WARNING LIGHTS

- See UB-RLH13-C-PPCW Layout

REAR WARNING LIGHTS

- See UB-RLH13-C-PPCW Layout

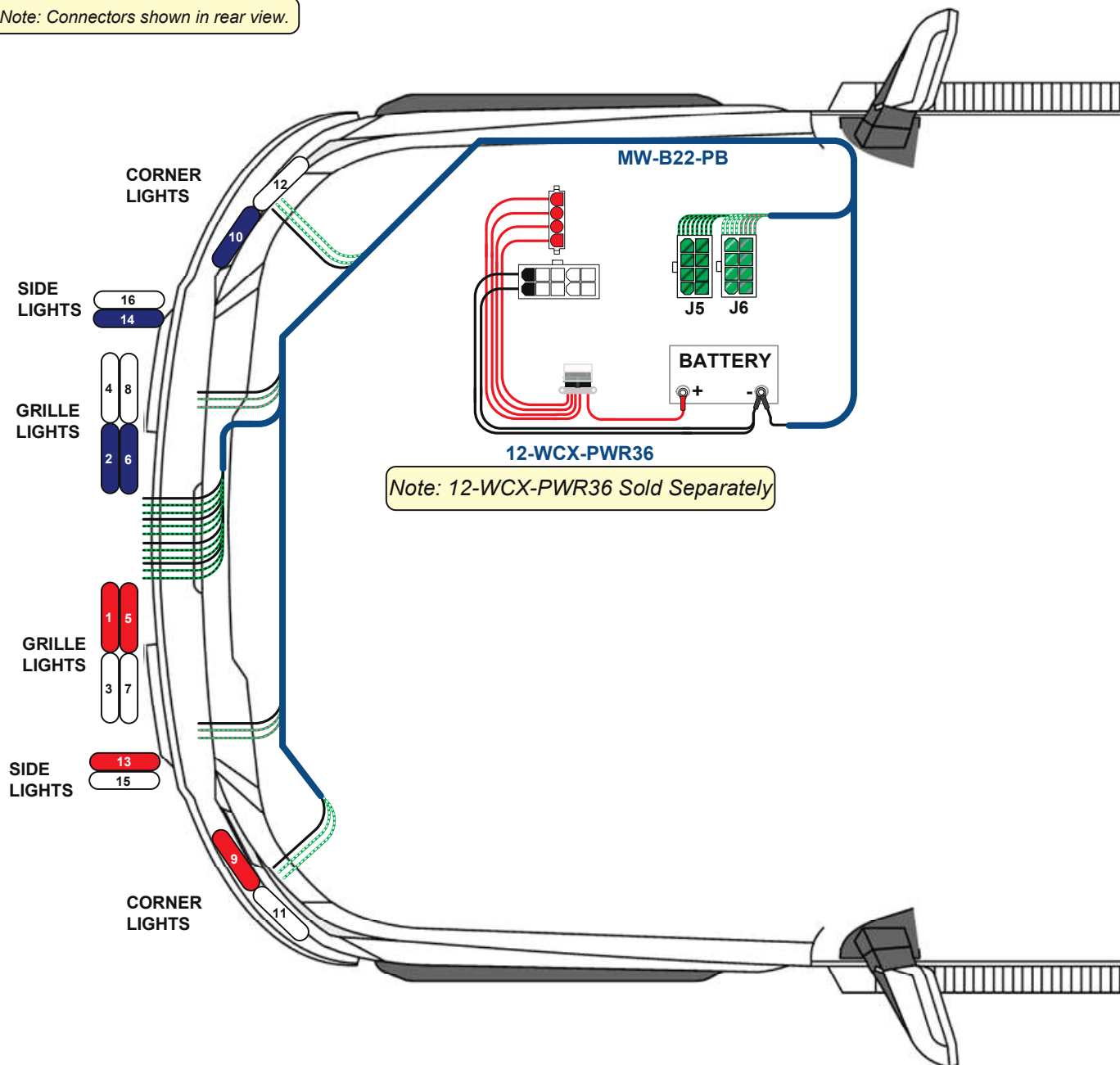
TRUNK LIGHTS

- See UB-RLH13-C-PPCW Layout

J10 – CUSTOMER INSTALLED 144" LEADS

- See UB-RLH13-C-PPCW Layout

Note: Connectors shown in rear view.



FRONT LIGHTING:

GRILLE LIGHTS – MW-B22-PB

- 18 Ga. GN/BK Pass. Grille Light "X OUT 2" to CEM16 J5 Pin 2
- 18 Ga. GN/BK Pass. Grille Light "X OUT 4" to CEM16 J5 Pin 4
- 18 Ga. GN/BK Pass. Grille Light "X OUT 6" to CEM16 J5 Pin 6
- 18 Ga. GN/BK Pass. Grille Light "X OUT 8" to CEM16 J5 Pin 8
- 18 Ga. BK Pass. Grille Lights Ground "LT 2 GND" to Ground Assembly
- 18 Ga. BK Pass. Grille Lights Ground "LT 6 GND" to Ground Assembly
- 18 Ga. GN/BK Driver Grille Light "X OUT 1" to CEM16 J5 Pin 1
- 18 Ga. GN/BK Driver Grille Light "X OUT 3" to CEM16 J5 Pin 3
- 18 Ga. GN/BK Driver Grille Light "X OUT 5" to CEM16 J5 Pin 5
- 18 Ga. GN/BK Driver Grille Light "X OUT 7" to CEM16 J5 Pin 7
- 18 Ga. BK Driver Grille Lights Ground "LT 1 GND" to Ground Assembly
- 18 Ga. BK Driver Grille Lights Ground "LT 5 GND" to Ground Assembly

SIDE LIGHTS – MW-B22-PB

- 18 Ga. GN/PK Pass. Side Light "X OUT 14" to CEM16 J6 Pin 6
- 18 Ga. GN/PK Pass. Side Light "X OUT 16" to CEM16 J6 Pin 8
- 18 Ga. BK Pass. Side Lights Ground "LT 14 GND" to Ground Assembly
- 18 Ga. GN/PK Driver Side Light "X OUT 13" to CEM16 J6 Pin 5
- 18 Ga. GN/PK Driver Side Light "X OUT 15" to CEM16 J6 Pin 7
- 18 Ga. BK Driver Side Lights Ground "LT 13 GND" to Ground Assembly

CORNER LIGHTS – MW-B22-PB

- 18 Ga. GN/WH Pass. Corner Light "X OUT 10" to CEM16 J6 Pin 2
- 18 Ga. GN/WH Pass. Corner Light "X OUT 12" to CEM16 J6 Pin 4
- 18 Ga. BK Pass. Corner Lights Ground "LT 10 GND" to Ground Assembly
- 18 Ga. GN/WH Driver Corner Light "X OUT 9" to CEM16 J6 Pin 1
- 18 Ga. GN/WH Driver Corner Light "X OUT 11" to CEM16 J6 Pin 3
- 18 Ga. BK Driver Corner Lights Ground "LT 9 GND" to Ground Assembly

PRODUCTS SHOWN ON LAYOUT:

Front Lighting Harness: MW-B22-PB
Underhood Power: 12-WCX-PWR36

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

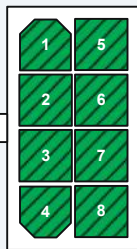
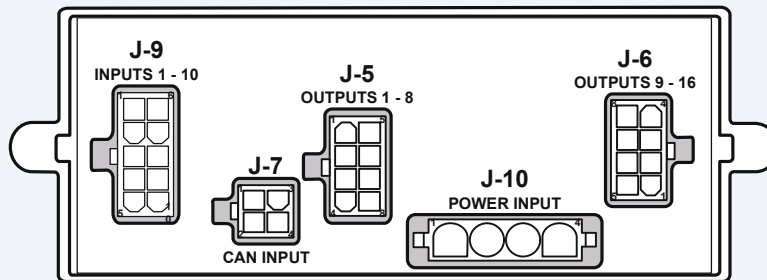
Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 010621

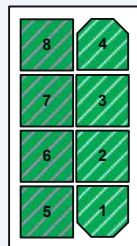
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CEM16 EXPANSION MODULE



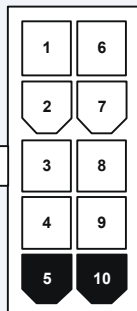
J-5 – OUTPUTS 1 thru 8 FROM CEM16

- Pin 1 Output 1 (2.5A) – 18 Ga. GN/BK Driver Grille Light 1 “X OUT 1”
- Pin 2 Output 2 (2.5A) – 18 Ga. GN/BK Pass. Grille Light 2 “X OUT 2”
- Pin 3 Output 3 (2.5A) – 18 Ga. GN/BK Driver Grille Light 3 “X OUT 3”
- Pin 4 Output 4 (2.5A) – 18 Ga. GN/BK Pass. Grille Light 4 “X OUT 4”
- Pin 5 Output 5 (2.5A) – 18 Ga. GN/BK Driver Grille Light 5 “X OUT 5”
- Pin 6 Output 6 (2.5A) – 18 Ga. GN/BK Pass. Grille Light 6 “X OUT 6”
- Pin 7 Output 7 (2.5A) – 18 Ga. GN/BK Driver Grille Light 7 “X OUT 7”
- Pin 8 Output 8 (2.5A) – 18 Ga. GN/BK Pass. Grille Light 8 “X OUT 8”



J-6 – OUTPUTS 9 thru 16 FROM CEM16

- Pin 1 Output 9 (2.5A) – 18 Ga. GN/WH Driver Corner Light 9 “X OUT 9”
- Pin 2 Output 10 (2.5A) – 18 Ga. GN/WH Pass. Corner Light 10 “X OUT 10”
- Pin 3 Output 11 (2.5A) – 18 Ga. GN/WH Driver Corner Light 11 “X OUT 11”
- Pin 4 Output 12 (2.5A) – 18 Ga. GN/WH Pass. Corner Light 12 “X OUT 12”
- Pin 5 Output 13 (2.5A) – 18 Ga. GN/PK Driver Side Light 13 “X OUT 13”
- Pin 6 Output 14 (2.5A) – 18 Ga. GN/PK Pass. Side Light 14 “X OUT 14”
- Pin 7 Output 15 (2.5A) – 18 Ga. GN/PK Driver Side Light 15 “X OUT 15”
- Pin 8 Output 16 (2.5A) – 18 Ga. GN/PK Pass. Side Light 16 “X OUT 16”



J-9 – INPUTS 1 thru 10 TO CEM16

- Pin 1 Input 1 Ground (–) –:
- Pin 2 Input 2 Ground (–) –:
- Pin 3 Input 3 Ground (–) –:
- Pin 4 Input 4 Ground (–) –:
- Pin 5 Main Ground Input – 16 Ga. BK CEM16 Ground “J9 5 GND” from 12-WCX-PWR36*
- Pin 6 Input 1 Positive (+) –:
- Pin 7 Input 2 Positive (+) –:
- Pin 8 Input 3 Positive (+) –:
- Pin 9 Input 4 Positive (+) –:
- Pin 10 Main Ground Input – 16 Ga. BK CEM16 Ground “J9 10 GND” from 12-WCX-PWR36*

J-7 – CAN INPUT TO CEM16 FROM DATA HARNESS**

- Pin 1 CAN H – 20 Ga. GN Twisted Pair
- Pin 2 Shield – 20 Ga. Shield
- Pin 3 CAN L – 20 Ga. GY Twisted Pair
- Pin 4 Not Used – Plug

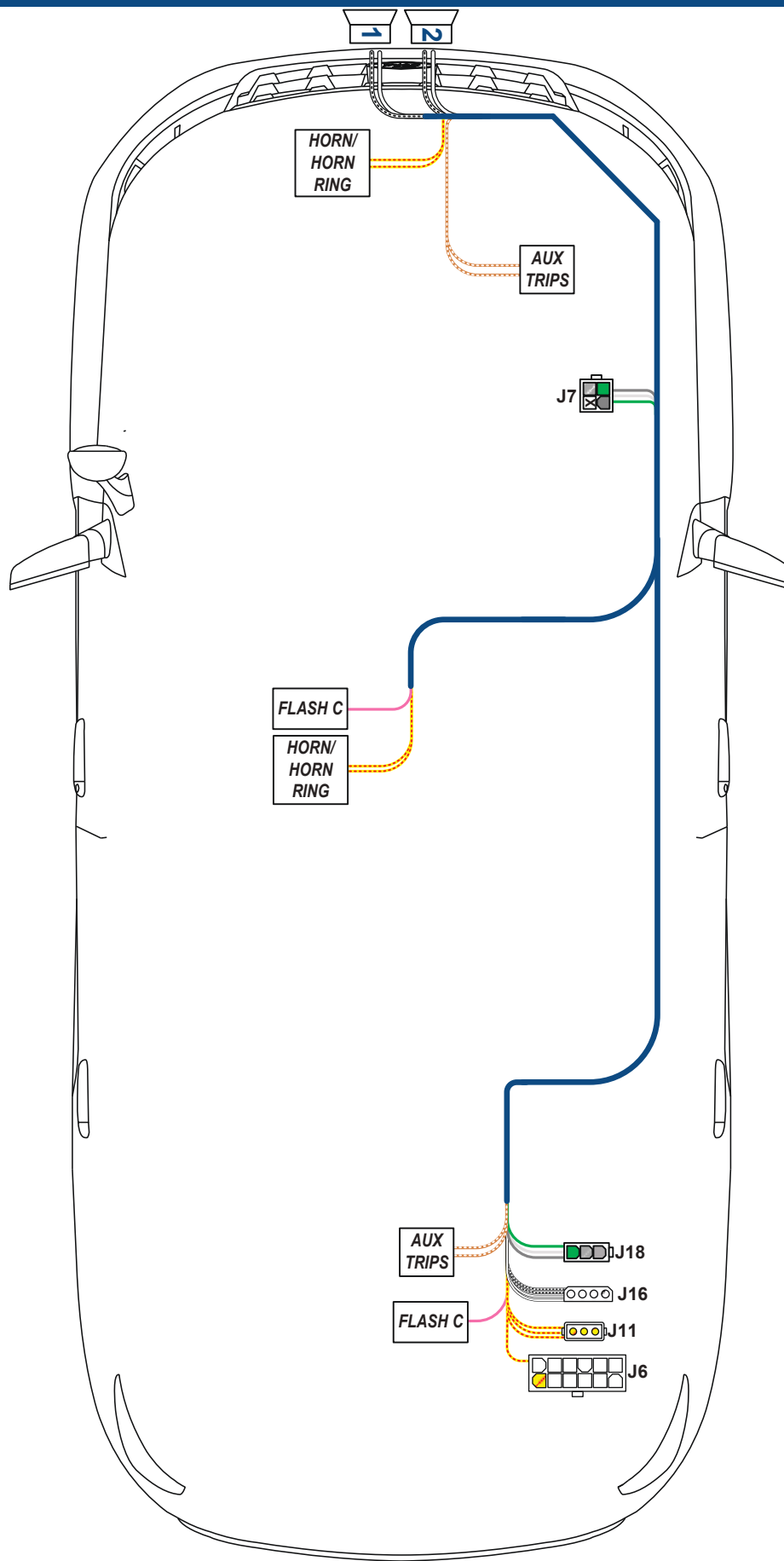


J-10 – POWER INPUT TO CEM16 FROM 12-WCX-PWR36*

- Pin 1 Power Input 1 (10A) – 16 Ga. RD Power 1 (10A) “PWR 1” from Fuse Position 1
- Pin 2 Power Input 2 (10A) – 16 Ga. RD Power 2 (10A) “PWR 2” from Fuse Position 2
- Pin 3 Power Input 3 (10A) – 16 Ga. RD Power 3 (10A) “PWR 3” from Fuse Position 3
- Pin 4 Power Input 4 (10A) – 16 Ga. RD Power 4 (10A) “PWR 4” from Fuse Position 4

*Note: See 12-WCX-PWR36 Layout, if applicable, for detailed information on Power Distribution (J9 and J10 Connectors)

**Note: See Data Harness Layout, if applicable, for detailed information on Data Distribution (J7 Connectors)



PRODUCTS SHOWN ON LAYOUT:

Main Harness: MW-DC25-2

Front Harness:

Rear Harness:

Battery Cable:

TECHNICAL SUPPORT & SALES CONTACT:

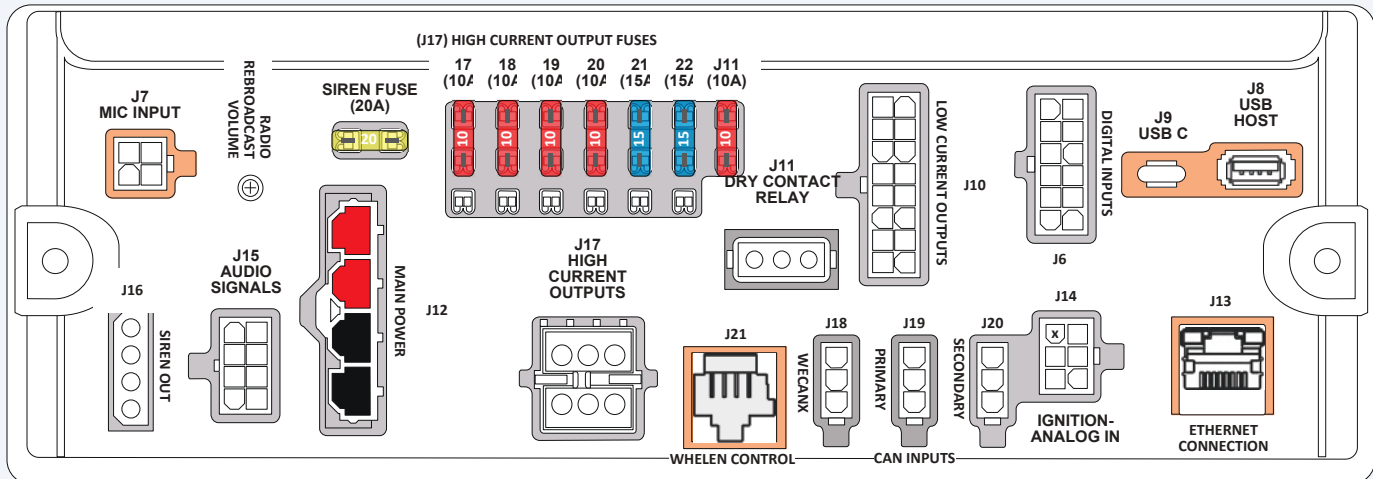
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 012221

ECN 000000



Note: CORE Siren shown for connector reference only. See CORE Module Layout for detailed information

FRONT COMPONENTS:

SPEAKERS

- 16 Ga. WH/BK Speaker 1 Positive "SPKR POS" from CORE J16 Pin 1
- 16 Ga. WH Speaker 1 Common "SPKR COM" from CORE J16 Pin 3
- 16 Ga. WH/BK Speaker 2 Positive "SPKR POS" from CORE J16 Pin 2
- 16 Ga. WH Speaker 2 Common "SPKR COM" from CORE J16 Pin 3

HORN / HORN RING

- 16 Ga. YW/RD Horn "HORN" from HORN Assembly
- 16 Ga. YW/RD Horn Ring "HORN RING" from HORN RING Assembly

AUX TRIPS

- 14 Ga. TN/WH Aux Trip 1 "AUX TRIP 1" from Rear
- 14 Ga. TN/WH Aux Trip 2 "AUX TRIP 2" from Rear

J7 DATA CONNECTOR

- Pin 1 CAN H – 20 Ga. GN Twisted Pair from CORE J18 Pin 3
- Pin 2 Shield – 20 Ga. Shield from CORE J18 Pin 2
- Pin 3 CAN L – 20 Ga. GY Twisted Pair from CORE J18 Pin 1
- Pin 4 Not Used – Plug

MID COMPONENTS:

FLASH C

- 16 Ga. PK Flash C "FLASH C" from Rear

HORN / HORN RING

- 16 Ga. YW/RD Horn "HORN" from HORN Assembly
- 16 Ga. YW/RD Horn Ring "HORN RING" from HORN RING Assembly

REAR COMPONENTS:

CORE MODULE

- See CORE Module Layout for detailed information.

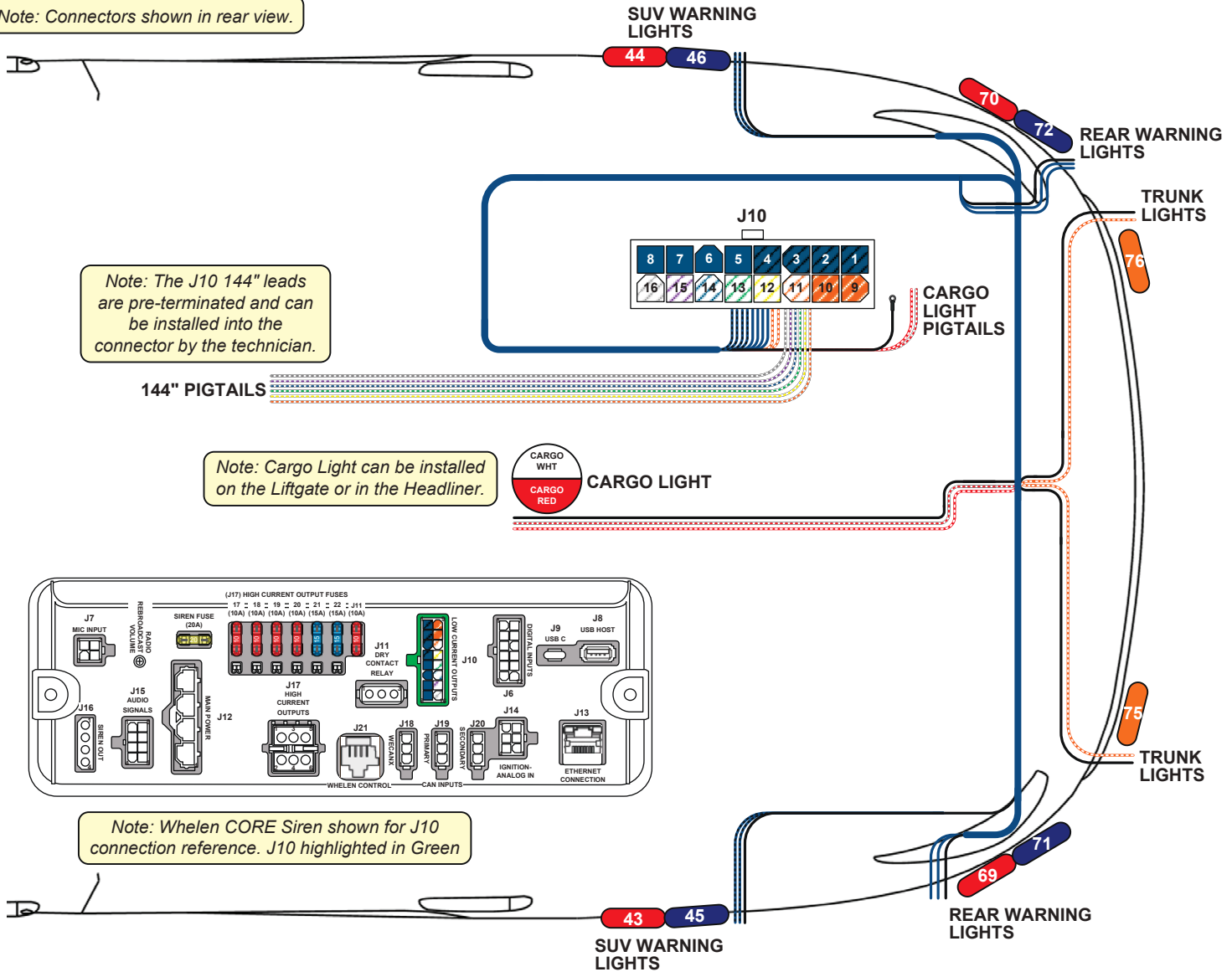
FLASH C

- 16 Ga. PK Flash C "FLASH C" to Console

AUX TRIPS

- 14 Ga. TN/WH Aux Trip 1 "AUX TRIP 1" to Front
- 14 Ga. TN/WH Aux Trip 2 "AUX TRIP 2" to Front

Note: Connectors shown in rear view.



REAR LIGHTING:

CARGO LIGHT

- 18 Ga. RD/WH Cargo Light Red "CAR LT RD" Pigtail 20"
- 18 Ga. WH/RD Cargo Light White "CAR LT WHT" Pigtail 20"
- 18 Ga. BK Cargo Light Ground "CARGO GND" to Ground Assembly

J10 – SUV WARNING LIGHTS

- 18 Ga. BL/BK Driver SUV Light "SUV LT 43" from J10 Pin 1
- 18 Ga. BL/BK Pass. SUV Light "SUV LT 44" from J10 Pin 2
- 18 Ga. BL/BK Driver SUV Light "SUV LT 45" from J10 Pin 3
- 18 Ga. BL/BK Pass. SUV Light "SUV LT 46" from J10 Pin 4
- 18 Ga. BK Driver SUV Light Ground "LT 43 GND" from Ground Assembly
- 18 Ga. BK Pass. SUV Light Ground "LT 44 GND" from Ground Assembly

J10 – TRUNK LIGHTS

- 18 Ga. OR/WH Driver Trunk Light "TRUNK LT 75" from J10 Pin 9
- 18 Ga. OR/WH Pass. Trunk Light "TRUNK LT 76" from J10 Pin 10
- 18 Ga. BK Driver Trunk Light Ground "LT 75 GND" from Ground Assembly
- 18 Ga. BK Pass. Trunk Light Ground "LT 76 GND" from Ground Assembly

J10 – REAR WARNING LIGHTS

- 18 Ga. BL Driver Rear Light "RER W LT 69" from J10 Pin 5
- 18 Ga. BL Pass. Rear Light "RER W LT 70" from J10 Pin 6
- 18 Ga. BL Driver Rear Light "RER W LT 71" from J10 Pin 7
- 18 Ga. BL Pass. Rear Light "RER W LT 72" from J10 Pin 8
- 18 Ga. BK Driver Rear Light Ground "LT 69 GND" from Ground Assembly
- 18 Ga. BK Pass. Rear Light Ground "LT 70 GND" from Ground Assembly

J10 – CUSTOMER INSTALLED LEADS 144"

- 18 Ga. WH/OR J10 Pin 11 "J10 11" Customer Installed 144" Lead
- 18 Ga. WH/YW J10 Pin 12 "J10 12" Customer Installed 144" Lead
- 18 Ga. WH/GN J10 Pin 13 "J10 13" Customer Installed 144" Lead
- 18 Ga. WH/BL J10 Pin 14 "J10 14" Customer Installed 144" Lead
- 18 Ga. WH/PU J10 Pin 15 "J10 15" Customer Installed 144" Lead
- 18 Ga. WH/GY J10 Pin 16 "J10 16" Customer Installed 144" Lead

REAR POWER CIRCUITS:

When purchasing a PPWC option with your harnesses consider adding a Console Power Harness and a 12-WCSP-28 Whelen Power Harness to use with a P18-Flex Fuse Panel to supply power to the Whelen CORE and your console equipment.

TECHNICAL SUPPORT & SALES CONTACT:

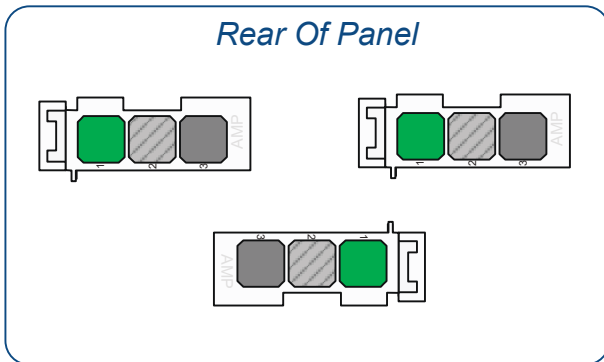
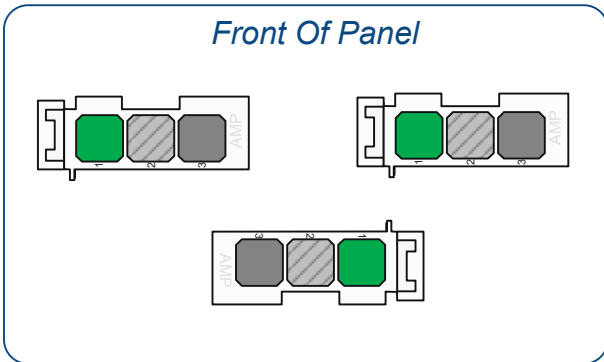
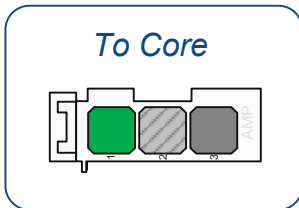
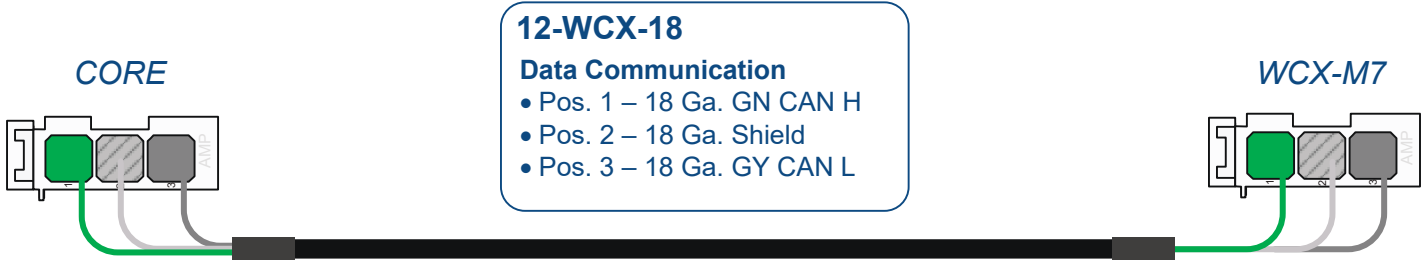
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 010621

ECN 000000



TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

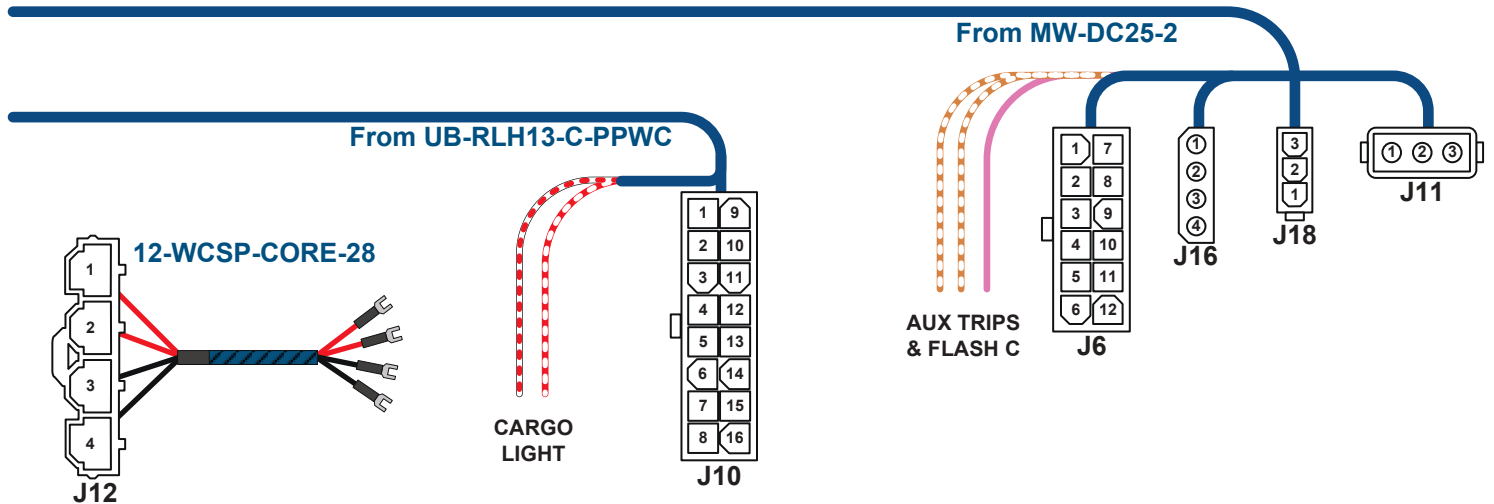
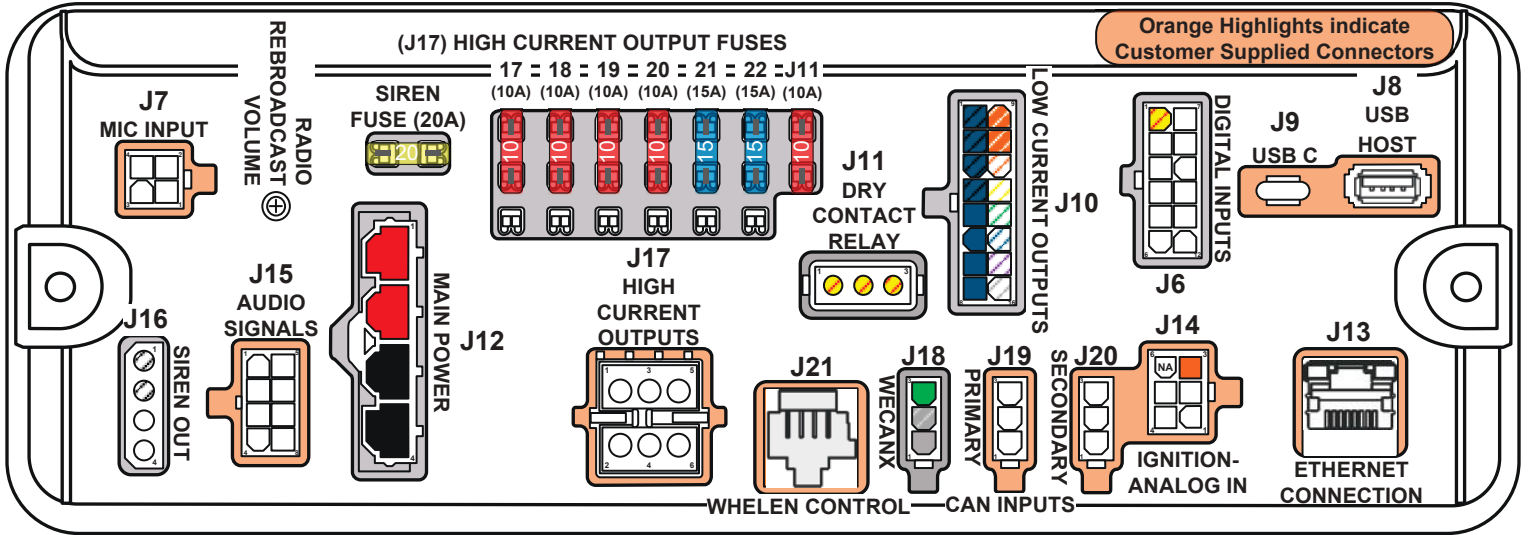
Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 010621

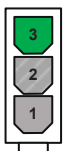
ECN 050321

Note: Connectors shown in rear view.



J16 – SIREN OUT

- Pin 1 Speaker 1 (+) – 16 Ga. WH/BK Speaker 1 Positive “SPKR POS”
- Pin 2 Speaker 2 (+) – 16 Ga. WH/BK Speaker 2 Positive “SPKR POS”
- Pin 3 Speaker 1 (–) – 16 Ga. WH Speaker 1 Common “SPKR COM”
- Pin 4 Speaker 2 (–) – 16 Ga. WH Speaker 2 Common “SPKR COM”



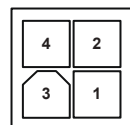
J18, J19, J20 – CAN INPUTS

- Pin 1 Can Low – 20 Ga. GN Twisted Pair
- Pin 2 Shield – 20 Ga. Shield
- Pin 3 Can High – 20 Ga. GY Twisted Pair



J12 – MAIN POWER

- Pin 1 Power In (40A) – 10 Ga. RD Power “POWER 2” from P18 F2
- Pin 2 Power In (40A) – 10 Ga. RD Power “POWER 3” from P18 F3
- Pin 3 Ground In – 10 Ga. BK Ground “GROUND 2” from P18 Ground Bus
- Pin 4 Ground In – 10 Ga. BK Ground “GROUND 3” from P18 Ground Bus



J7 – MIC INPUT

- Pin 1
- Pin 2
- Pin 3
- Pin 4

DIAGRAM KEY:

18 Ga: Wire Gauge
 YW/BK: Wire Color
 "12V IGN": Wire Text

CH: Cabin Harness
 RLH: Rear Lighting Harness
 B1: Wire Breakout Location

TECHNICAL SUPPORT & SALES CONTACT:

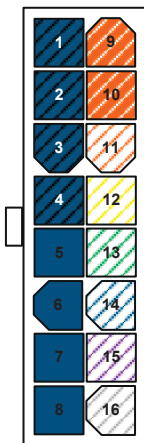
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

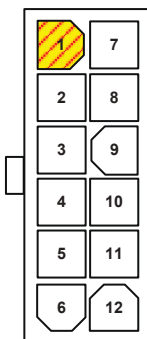
Web: www.allfleetsolutions.com

EDD 030621

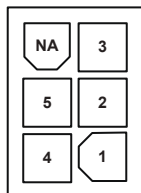
ECN 000000

**J10 – LOW CURRENT OUTPUTS**

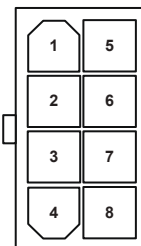
- Pin 1 Output 1 (2A) – 18 Ga. BL/BK Pass. SUV Light "SUV LT 43"
- Pin 2 Output 2 (2A) – 18 Ga. BL/BK Driver SUV Light "SUV LT 44"
- Pin 3 Output 3 (2A) – 18 Ga. BL/BK Pass. SUV Light "SUV LT 45"
- Pin 4 Output 4 (2A) – 18 Ga. BL/BK Driver SUV Light "SUV LT 46"
- Pin 5 Output 5 (2A) – 18 Ga. BL Pass. Rear Light "RER W LT 69"
- Pin 6 Output 6 (2A) – 18 Ga. BL Driver Rear Light "RER W LT 70"
- Pin 7 Output 7 (2A) – 18 Ga. BL Pass. Rear Light "RER W LT 71"
- Pin 8 Output 8 (2A) – 18 Ga. BL Driver Rear Light "RER W LT 72"
- Pin 9 Output 9 (2A) – 18 Ga. OR/WH Pass. Trunk Light "TRUNK LT 75"
- Pin 10 Output 10 (2A) – 18 Ga. OR/WH Driver Trunk Light "TRUNK LT 76"
- Pin 11 Output 11 (2A) – 18 Ga. WH/OR J10 Pin 11 "J10 11" Customer Installed 144" Lead
- Pin 12 Output 12 (2A) – 18 Ga. WH/YW J10 Pin 12 "J10 12" Customer Installed 144" Lead
- Pin 13 Output 13 (2A) – 18 Ga. WH/GN J10 Pin 13 "J10 13" Customer Installed 144" Lead
- Pin 14 Output 14 (2A) – 18 Ga. WH/BL J10 Pin 14 "J10 14" Customer Installed 144" Lead
- Pin 15 Output 15 (2A) – 18 Ga. WH/PU J10 Pin 15 "J10 15" Customer Installed 144" Lead
- Pin 16 Output 16 (2A) – 18 Ga. WH/GY J10 Pin 16 "J10 16" Customer Installed 144" Lead

**J6 – DIGITAL INPUTS**

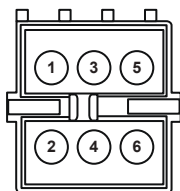
- Pin 1 Input 1 – 16 Ga. YW/RD Horn Relay Transfer "HORN TRANS" from J11 Pin 1
- Pin 2 Input 2 –
- Pin 3 Input 3 –
- Pin 4 Input 4 –
- Pin 5 Input 5 –
- Pin 6 Input 6 –
- Pin 7 Input 7 –
- Pin 8 Input 8 –
- Pin 9 Input 9 –
- Pin 10 Input 10 –
- Pin 11 Input 11 –
- Pin 12 Input 12 –

**J14 – IGNITION-ANALOG IN**

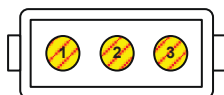
- Pin 1 Analog 1 (+) –
- Pin 2 Analog 2 (+) –
- Pin 3 Ignition In –
- Pin 4 Analog 4 (+) –
- Pin 5 Analog 5 (+) –
- Pin 6 Not Used

**J15 – AUDIO SIGNALS**

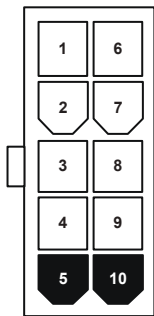
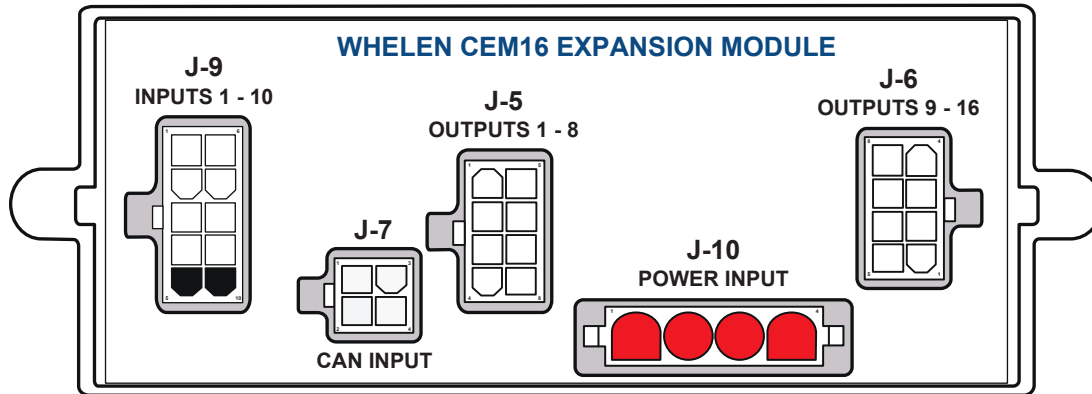
- Pin 1 Radio In (+) –
- Pin 2 Aux In (+) –
- Pin 3 Cab Speaker (+) –
- Pin 4 Aux Out (+) –
- Pin 5 Radio In (–) –
- Pin 6 Aux In (–) –
- Pin 7 Cab Speaker (–) –
- Pin 8 Aux Out (–) –

**J17 – HIGH CURRENT OUTPUTS**

- Pin 1 Output 19 (10A) –
- Pin 2 Output 18 (10A) –
- Pin 3 Output 20 (10A) –
- Pin 4 Output 17 (10A) –
- Pin 5 Output 21 (15A) –
- Pin 6 Output 22 (15A) –

**J11 – DRY CONTACT RELAY**

- Pin 1 Normally Open – 16 Ga. YW/RD Horn Relay Transfer "HORN TRANS" to J6 Pin 1
- Pin 2 Common – 16 Ga. YW/RD Horn Relay Input "HORN RING"
- Pin 3 Normally Closed – 16 Ga. YW/RD Horn Relay Output "HORN"



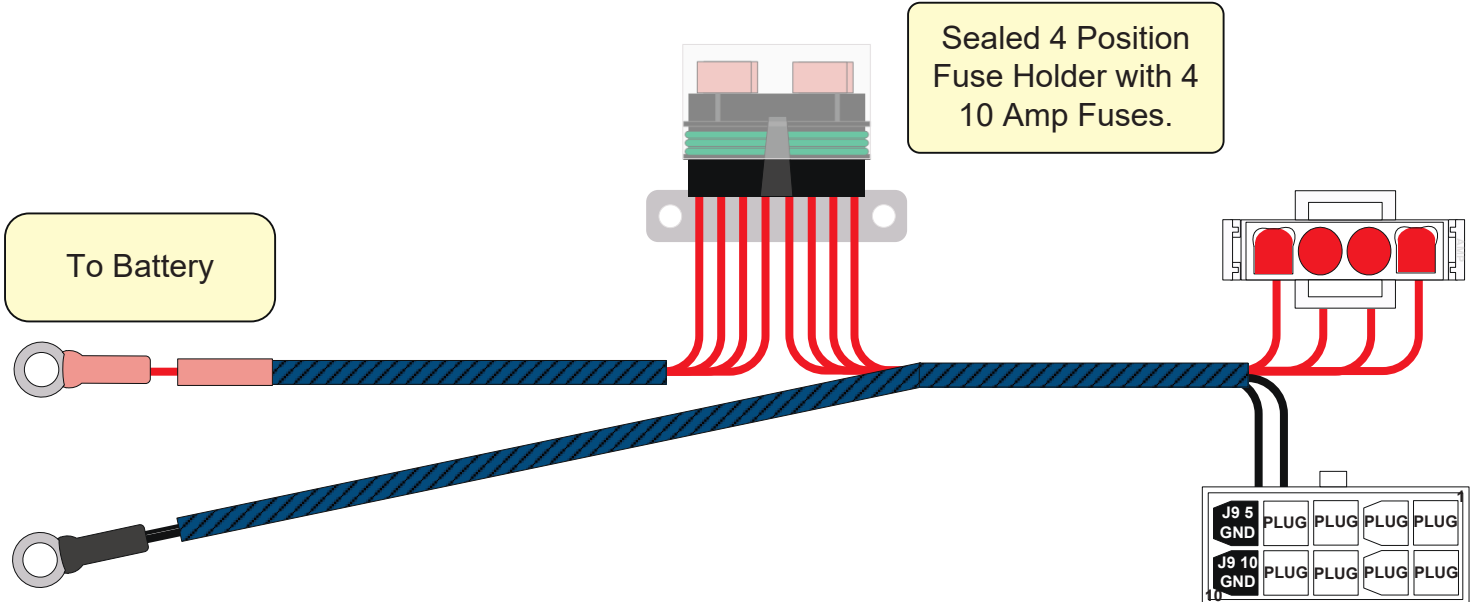
J-9 – INPUTS 1 thru 10

- Pin 1 Input 1 Ground (–) –
- Pin 2 Input 2 Ground (–) –
- Pin 3 Input 3 Ground (–) –
- Pin 4 Input 4 Ground (–) –
- Pin 5 Main Ground Input – 18 Ga. BK Ground “J9 5 GND”
- Pin 6 Input 1 Positive (+) –
- Pin 7 Input 2 Positive (+) –
- Pin 8 Input 3 Positive (+) –
- Pin 9 Input 4 Positive (+) –
- Pin 10 Main Ground Input – 18 Ga. BK Ground “J9 10 GND”



J-10 – POWER INPUT

- Pin 1 Power Input 1 (10A) – 16 Ga. RD Power “POWER 1”
- Pin 2 Power Input 2 (10A) – 16 Ga. RD Power “POWER 2”
- Pin 3 Power Input 3 (10A) – 16 Ga. RD Power “POWER 3”
- Pin 4 Power Input 4 (10A) – 16 Ga. RD Power “POWER 4”



12-WCX-PWR36

- Power & Ground – 1/4" Ring at Battery
- (4) 16 Ga. RD Power Wires to Ring
- Fuse 1, 10 Amp: 16 Ga. RD Power 1
- Fuse 2, 10 Amp: 16 Ga. RD Power 2
- Fuse 3, 10 Amp: 16 Ga. RD Power 3
- Fuse 4, 10 Amp: 16 Ga. RD Power 4
- 18 Ga. BK J9 5 Ground
- 18 Ga. BK J9 10 Ground

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

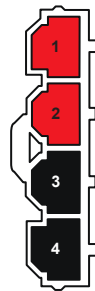
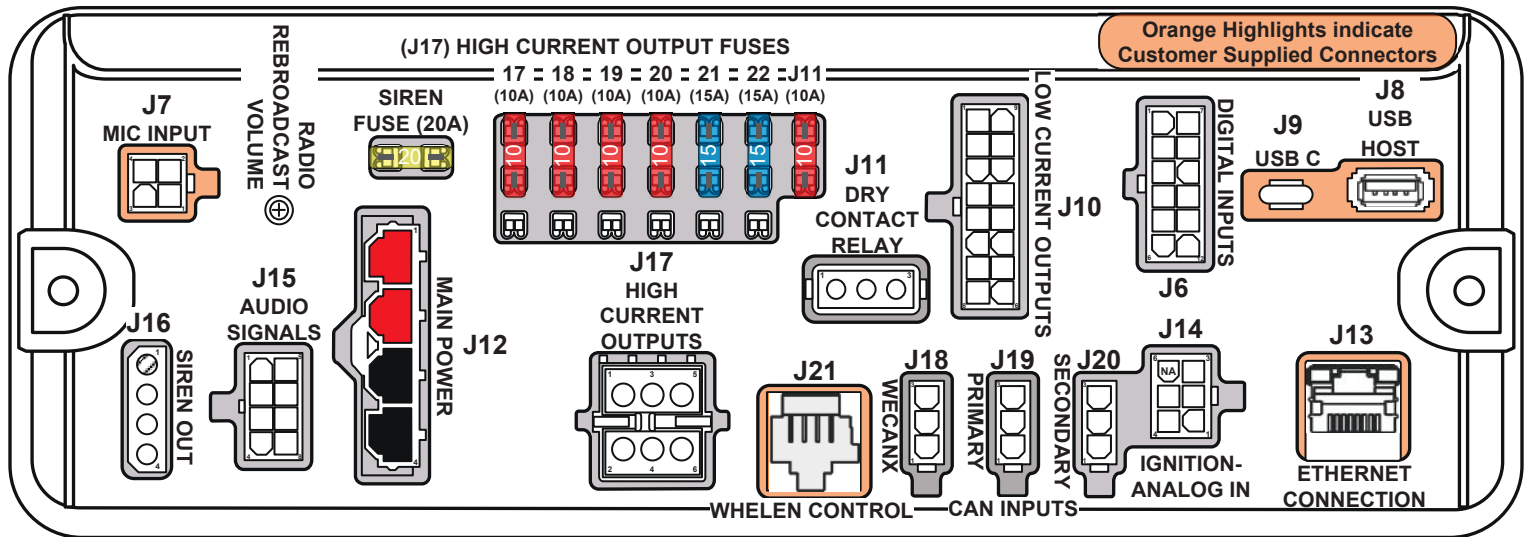
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ECN 000000

12-WCSP-CORE-28

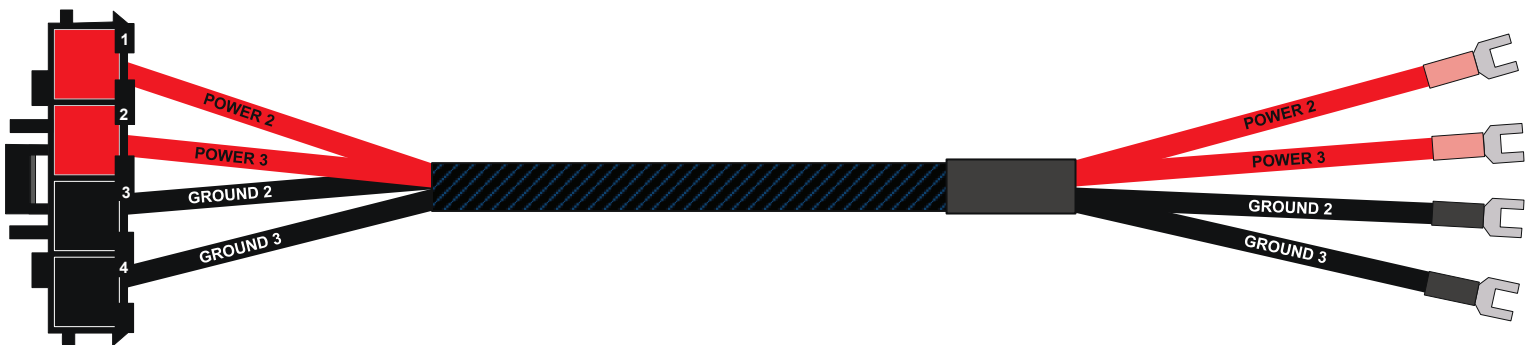
28" Whelen CenCom Core C399 Power Cable

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J12 – MAIN POWER

- Pin 1 Power In (40A) – 10 Ga. RD Power “POWER 2”
- Pin 2 Power In (40A) – 10 Ga. RD Power “POWER 3”
- Pin 3 Ground In – 10 Ga. BK Ground “GROUND 2”
- Pin 4 Ground In – 10 Ga. BK Ground “GROUND 3”



12-WCSP-CORE-28

Power Connector

- Pos. 1 – 10 Ga. Red Power 2
- Pos. 2 – 10 Ga. Red Power 3
- Pos. 3 – 10 Ga. Black Ground 2
- Pos. 4 – 10 Ga. Black Ground 3

Connect To
P12 or P18 Fuse Panels

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 080720

ECN 000000

PRODUCTS SHOWN ON LAYOUT:

Main Harness: I-W14-B6i4T4

Battery Cable: BTO-BC6GA220-22-125

Products Shown on these pages are not included in the QK-WCX-200PB.

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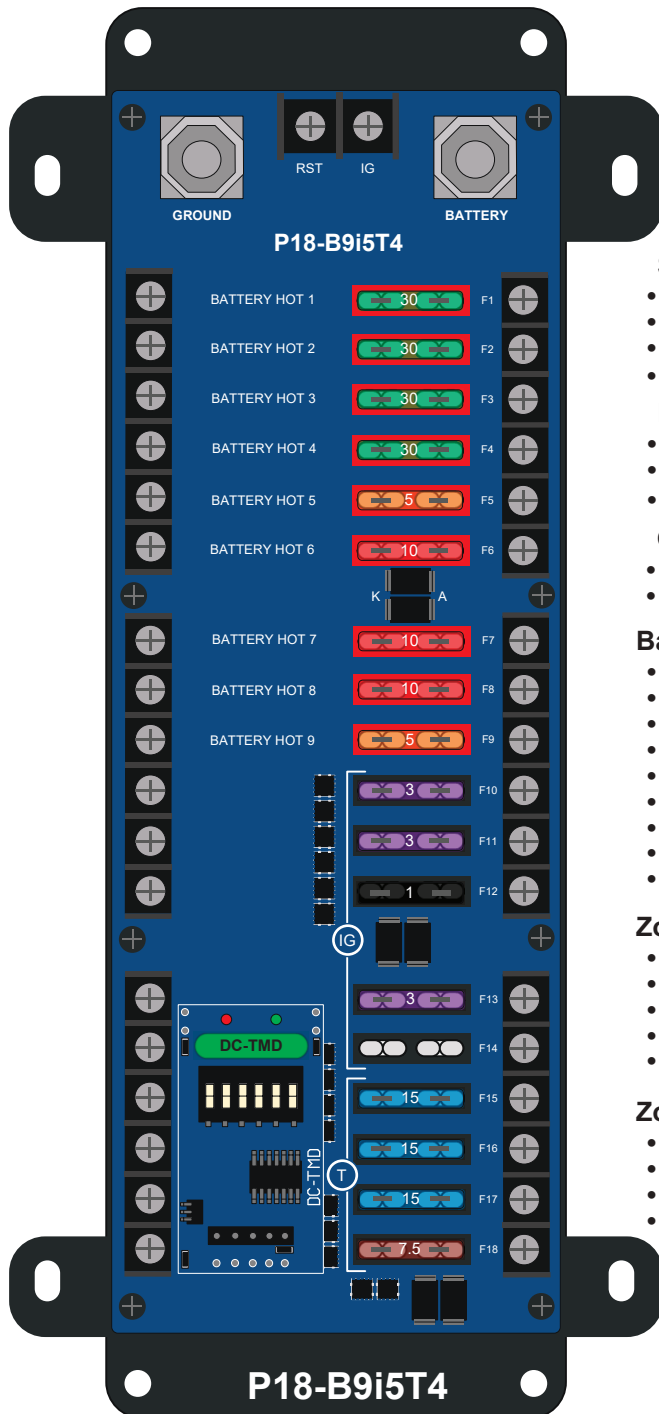
Web: www.allfleetsolutions.com

EDD 021022

ECN 000000

P18-B9i5T4 Customer Configuration:

The Power 18 Power Distribution Center provides 9 Battery Hot, 5 Ignition Hot, and 4 Timed Hot outputs. The Power 18 is rated for 125A of total load and 30A per terminal.



Specifications:

- 30A max per terminal.
- #6 Fork Terminals should be torqued to 18 in/lbs.
- M6 Bolts on Power and Ground studs should be torqued to 50 in/lbs.
- Customer supplied ATO fuses should be sized to 125% of the designed load of the circuit.

Inputs:

- M6 Power Input, 125 amp fuse required with a 6 Ga. wire.
- Ignition Input activates Timer and Ignition circuits.
- Reset Terminal: When 12 VDC is present at this terminal the Timed Outputs shut off.

Ground Bus:

- M6 Stud: main Ground to Battery
- 30 amp max per terminal. 125 amp max total load

Battery Hot Circuits: 30 Amps Max Per Fuse, F1 to F9

- F1: Lightbar Power, Customer Supplied Wire, 30A fuse max
- F2: 10 Ga. RD Core Power, (30A) "POWER 2" from 12-WCSP-CORE 28 to Core J12-1
- F3: 10 Ga. RD Core Power, (30A) "POWER 3" from 12-WCSP-CORE 28 to Core J12-2
- F4: 10 Ga. RD Radio Power (30A) "RADIO HOT" from I-W14-B6i4T4 to Console
- F5: 16 Ga. RD Gunlock Power (5A) "GUNLCK PWR" from I-W14-B6i4T4 to Gunlock
- F6: 16 Ga. RD Watch Guard Power (10A) "WG PWR" from I-W14-B6i4T4 to Radio Tray
- F7: 16 Ga. RD POE Power (10A) "POE PWR" to from I-W14-B6i4T4 to POE
- F8: 16 Ga. RD Router Power (10A) "ROUTER PWR" from I-W14-B6i4T4 to Console
- F9: 18 Ga. RD Radio Head Power (5A) "RDO HD PWR" from I-W14-B6i4T4 to Console

Zone IG: Ignition Hot, 60 Amps Max Combined, F10 to F14

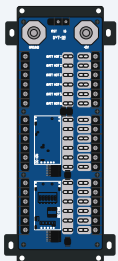
- F10: 18 Ga. OR CORE Ign. (3A) CORE IGN" from I-W14-B6i4T4 to CORE module
- F11: 18 Ga. OR Gunlock Ign. (3A) "GUNLCK IGN" from I-W14-B6i4T4 to Gunlock
- F12: 18 Ga. OR Watch Guard Ign. (1A) "WG IGN" from I-W14-B6i4T4 to Watch Guard
- F13: 18 Ga. OR Radio Head Ign. (3A) "RDO HD IGN" from I-W14-B6i4T4 to Radio Head
- F14: _____

Zone T: Timed Delayed, 60 Amps Max Combined, F15 to F18

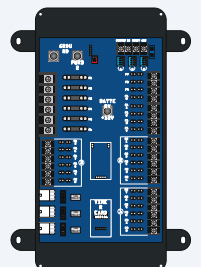
- F15: 14 Ga. GN Dock Timed (15A) "DOCK TMD" from I-W14-B6i4T4 to Console
- F16: 14 Ga. GN Printer Timed (15A) "PRINT TMD" from I-W14-B6i4T4 to Console
- F17: 14 Ga. GN Power Ports Timed (15A) "P PORTS TMD" from I-W14-B6i4T4 to Console
- F18: 16 Ga. GN Router Timed (7.5A) "ROUTER TMD" from I-W14-B6i4T4 to Console

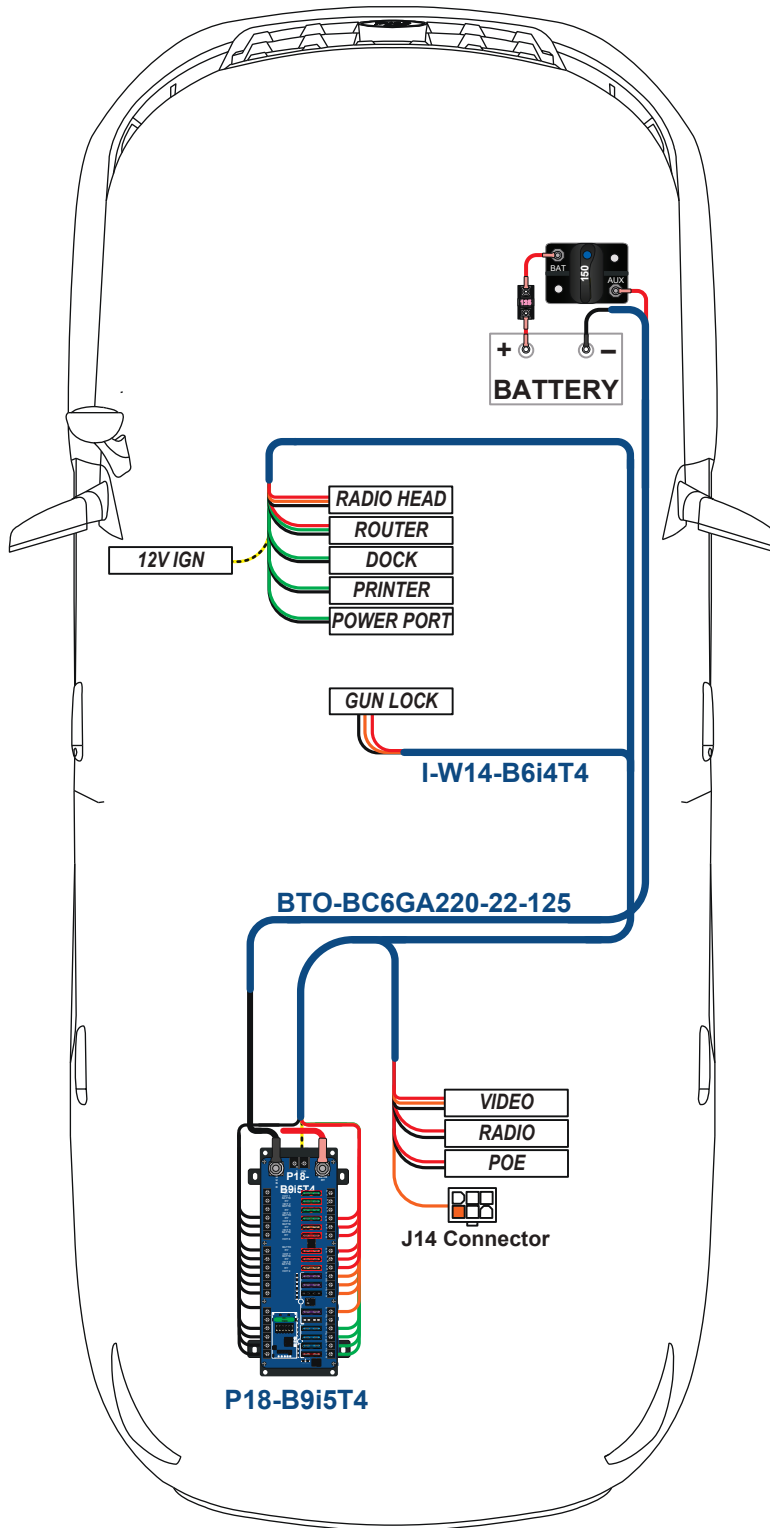
DC-TMD: Timer Card

- Field Replaceable
- Status & Diagnostic LEDs
- Controls Time Delayed Circuits



To see our full line of power distribution systems, visit www.allfleetsolutions.com





Ready to design your fleet?

Contact us at sales@allfleetsolutions.com
to begin the process.

UNDERHOOD:

BTO-BC6GA220-22-125

- 6 Ga. RD Power (125A) 220"
- 6 Ga. BK Ground 220"
- 150 Amp Circuit Breaker
- 125 Amp Midi Fuse
- Midi Fuse Holder
- 6 Ga. Power 6" Battery to Midi Fuse
- 6 Ga. Power 12" Circuit Breaker to Fuse Panel

CONSOLE POWER CIRCUITS:

RADIO HEAD

- 18 Ga. RD Radio Head Power (5A) "RDO HD PWR" to P18 F9
- 18 Ga. OR Radio Head Ignition (3A) "RDO HD IGN" to P18 F13
- 18 Ga. BK Radio Head Ground "RDO HD GND" to P18 Ground Bus

ROUTER

- 16 Ga. RD Router Power (10A) "ROUTER PWR" to P18 F8
- 16 Ga. GN Router Timed (7.5A) "ROUTER TMD" to P18 F18
- 16 Ga. BK Router Ground "ROUTER GND" to P18 Ground Bus

PRINTER

- 14 Ga. GN Printer Timed (15A) "PRINT TMD" to P18 F16
- 14 Ga. BK Printer Ground "PRINT GND" to P18 Ground Bus

POWER PORTS

- 14 Ga. GN Power Ports Timed (15A) "P PORT TMD" to P18 F17
- 14 Ga. BK Power Ports Ground "P PORT GND" to P18 Ground Bus

DOCK

- 14 Ga. GN Dock Timed (15A) "DOCK TMD" to P18 F15
- 14 Ga. BK Dock Ground "DOCK GND" to P18 Ground Bus

REAR POWER CIRCUITS:

RADIO

- 10 Ga. RD Radio Power (30A) "RADIO HOT" to P18 F4
- 10 Ga. BK Radio Ground "RADIO GND" to P18 Ground Bus

GUNLOCK

- 16 Ga. RD Gunlock Power (5A) "GUNLCK PWR" to P18 F5
- 18 Ga. OR Gunlock Ignition (3A) "GUNLCK IGN" to P18 F11
- 16 Ga. BK Gunlock Ground "GUNLCK GND" to P18 Ground Bus

WATCH GUARD

- 16 Ga. RD Watch Guard Power (10A) "WG PWR" to P18 F6
- 18 Ga. OR Watch Guard Ignition (1A) "WG IGN" to P18 F12
- 16 Ga. BK Watch Guard Ground "WG GND" to P18 Ground Bus

POWER OVER ETHERNET (POE)

- 16 Ga. RD POE Power (10A) "POE PWR" to P18 F7
- 16 Ga. BK POE Ground "POE GND" to P18 Ground Bus

CORE J14 CONNECTOR – IGN

- J14 Pin 3 – 18 Ga. OR CORE Ignition (3A) "CORE IGN" to P18 F10

POWER 18 FUSE PANEL

- See P18-B9i5T4-TXDPS Instructions

**Note: The power distribution solution shown
here is sold separately.**

