



AFS

ALL FLEET SOLUTIONS

AFS Design Guide SoundOff Signal Products



Note: Connectors shown in rear view.

LIGHTING OUTPUTS:

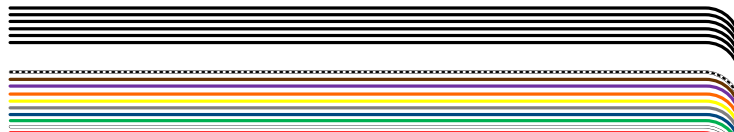
OUTPUTS

- 16 Ga. RD Output 1 "OUT 1 5A" from Node Pin 16
- 16 Ga. WH Output 2 "OUT 2 10A" from Node Pin 8
- 16 Ga. GN Output 3 "OUT 3 5A" from Node Pin 7
- 16 Ga. BL Output 4 "OUT 4 10A" from Node Pin 6
- 16 Ga. GY Output 5 "OUT 5 5A" from Node Pin 5
- 16 Ga. YW Output 6 "OUT 6 5A" from Node Pin 4
- 16 Ga. OR Output 7 "OUT 7 10A" from Node Pin 3
- 16 Ga. PU Output 8 "OUT 8 5A" from Node Pin 2
- 16 Ga. BR Output 9 "OUT 9 10A" from Node Pin 1
- 16 Ga. WH/BK Output 10 "OUT 10 5A" from Node Pin 9

GROUND

- 16 Ga. BK Ground 1 "GND 1" from Ground Assembly
- 16 Ga. BK Ground 2 "GND 2" from Ground Assembly
- 16 Ga. BK Ground 3 "GND 3" from Ground Assembly
- 16 Ga. BK Ground 4 "GND 4" from Ground Assembly
- 16 Ga. BK Ground 5 "GND 5" from Ground Assembly
- 16 Ga. BK Ground 6 "GND 6" from Ground Assembly

GROUND



OUTPUT

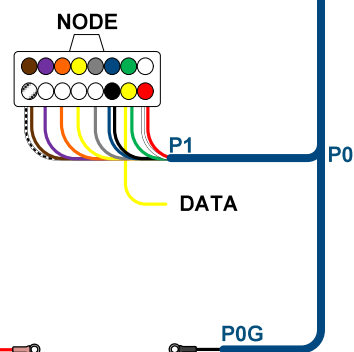


P2

REMOTE NODE DATA:

DATA – 12" PIGTAIL

- 16 Ga. YW Remote Node Data "DATA" to Remote Node Pin 15



Note: MS2-1330 Sold Separately

PRODUCTS SHOWN ON LAYOUT:

Remote Node Expansion Pigtail Harness: SOX-PT120
Remote Node Expansion Power Lead: MS2-1330

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

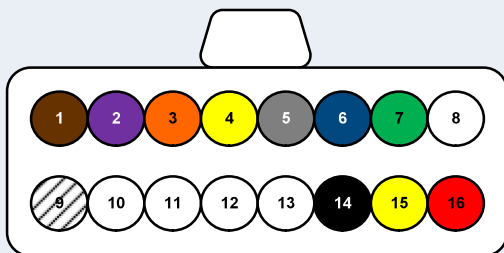
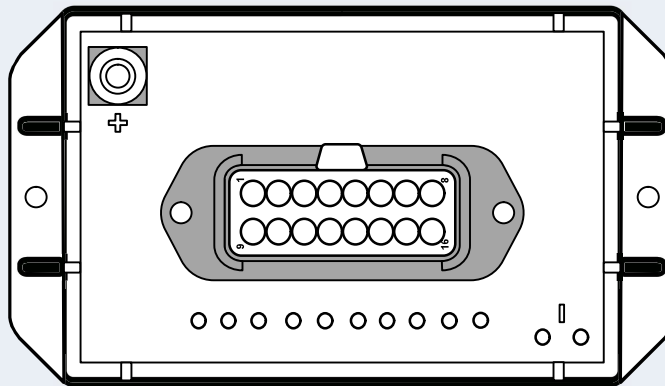
Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

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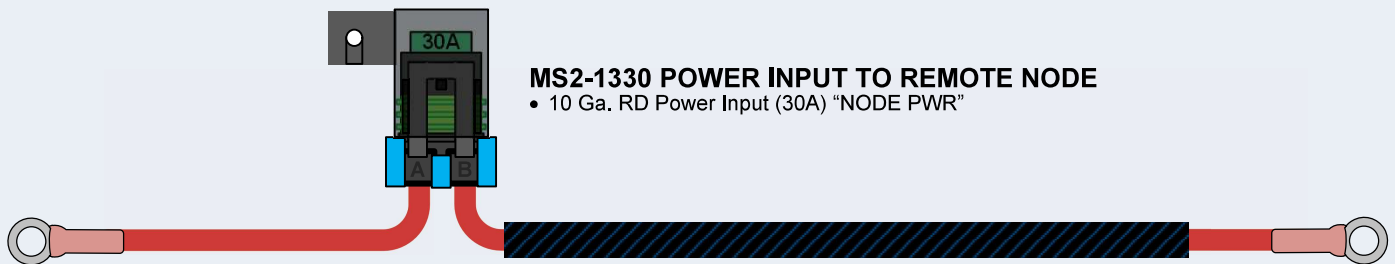
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REMOTE NODE EXPANSION MODULE



REMOTE NODE CONNECTOR

- Pin 1 Output 9 (10A) – 16 Ga. BR Output 9 "OUT 9 10A"
- Pin 2 Output 8 (5A) – 16 Ga. PU Output 8 "OUT 8 5A"
- Pin 3 Output 7 (10A) – 16 Ga. OR Output 7 "OUT 7 10A"
- Pin 4 Output 6 (5A) – 16 Ga. YW Output 6 "OUT 6 5A"
- Pin 5 Output 5 (5A) – 16 Ga. GY Output 5 "OUT 5 5A"
- Pin 6 Output 4 (10A) – 16 Ga. BL Output 4 "OUT 4 10A"
- Pin 7 Output 3 (5A) – 16 Ga. GN Output 3 "OUT 3 5A"
- Pin 8 Output 2 (10A) – 16 Ga. WH Output 2 "OUT 2 10A"
- Pin 9 Output 10 (10A) – 16 Ga. WH/BK Output 10 "OUT 10 10A"
- Pin 10 Input 1 – Not Used – Sealing Plug
- Pin 11 Input 2 – Not Used – Sealing Plug
- Pin 12 Input 3 – Not Used – Sealing Plug
- Pin 13 Input 4 – Not Used – Sealing Plug
- Pin 14 Main Ground – 14 Ga. BK Remote Node Ground "NODE GND"
- Pin 15 Data – 16 Ga. YW Remote Node Data "DATA"
- Pin 16 Output 1 (5A) – 16 Ga. RD Output 1 "OUT 1 5A"



MS2-1330 POWER INPUT TO REMOTE NODE

- 10 Ga. RD Power Input (30A) "NODE PWR"

**Note: See MS2-1330 Layout, if applicable, for detailed information on Power Distribution*

Note: Connectors shown in rear view.

LIGHTING OUTPUTS:

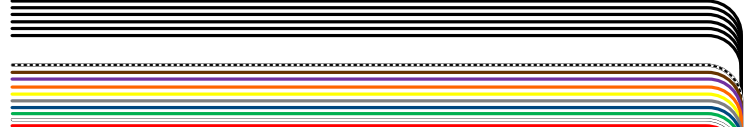
OUTPUTS

- 16 Ga. RD Output 1 "OUT 1 5A" from Node Pin 16
- 16 Ga. WH Output 2 "OUT 2 10A" from Node Pin 8
- 16 Ga. GN Output 3 "OUT 3 5A" from Node Pin 7
- 16 Ga. BL Output 4 "OUT 4 10A" from Node Pin 6
- 16 Ga. GY Output 5 "OUT 5 5A" from Node Pin 5
- 16 Ga. YW Output 6 "OUT 6 5A" from Node Pin 4
- 16 Ga. OR Output 7 "OUT 7 10A" from Node Pin 3
- 16 Ga. PU Output 8 "OUT 8 5A" from Node Pin 2
- 16 Ga. BR Output 9 "OUT 9 10A" from Node Pin 1
- 16 Ga. WH/BK Output 10 "OUT 10 5A" from Node Pin 9

GROUND

- 16 Ga. BK Ground 1 "GND 1" from Ground Assembly
- 16 Ga. BK Ground 2 "GND 2" from Ground Assembly
- 16 Ga. BK Ground 3 "GND 3" from Ground Assembly
- 16 Ga. BK Ground 4 "GND 4" from Ground Assembly
- 16 Ga. BK Ground 5 "GND 5" from Ground Assembly
- 16 Ga. BK Ground 6 "GND 6" from Ground Assembly

GROUND

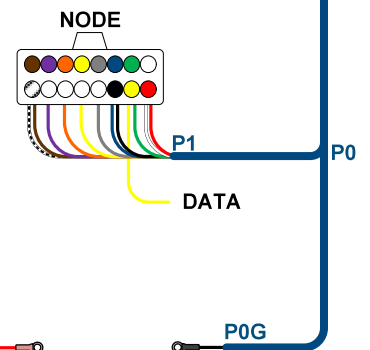


OUTPUT

REMOTE NODE DATA:

DATA – 12" PIGTAIL

- 16 Ga. YW Remote Node Data "DATA" to Remote Node Pin 15



Note: MS2-1330 Sold Separately

PRODUCTS SHOWN ON LAYOUT:

Remote Node Expansion Pigtail Harness: SOX-PT240
Remote Node Expansion Power Lead: MS2-1330

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

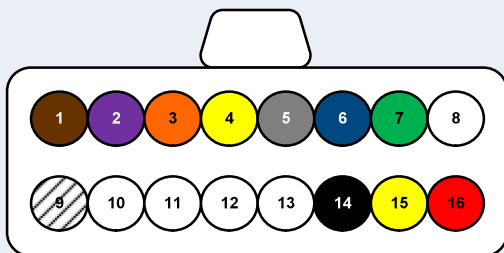
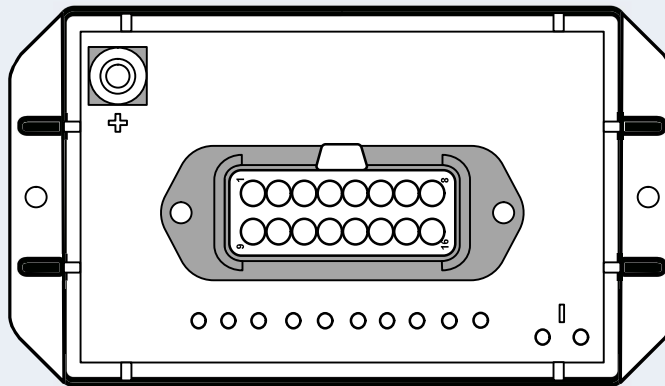
Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

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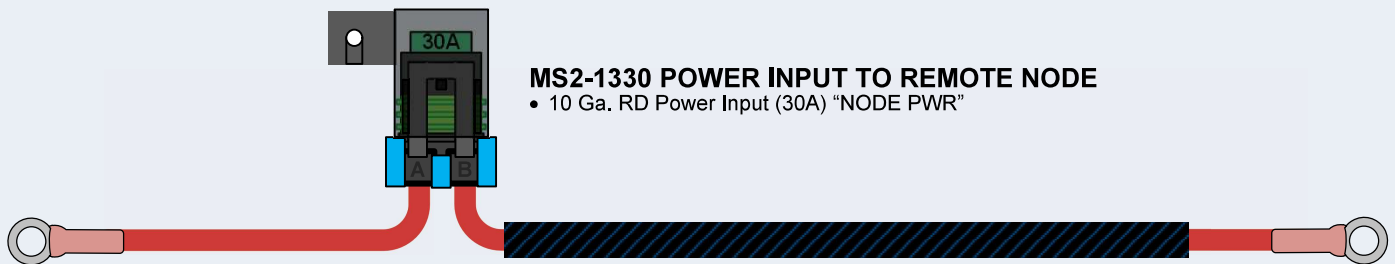
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REMOTE NODE EXPANSION MODULE



REMOTE NODE CONNECTOR

- Pin 1 Output 9 (10A) – 16 Ga. BR Output 9 "OUT 9 10A"
- Pin 2 Output 8 (5A) – 16 Ga. PU Output 8 "OUT 8 5A"
- Pin 3 Output 7 (10A) – 16 Ga. OR Output 7 "OUT 7 10A"
- Pin 4 Output 6 (5A) – 16 Ga. YW Output 6 "OUT 6 5A"
- Pin 5 Output 5 (5A) – 16 Ga. GY Output 5 "OUT 5 5A"
- Pin 6 Output 4 (10A) – 16 Ga. BL Output 4 "OUT 4 10A"
- Pin 7 Output 3 (5A) – 16 Ga. GN Output 3 "OUT 3 5A"
- Pin 8 Output 2 (10A) – 16 Ga. WH Output 2 "OUT 2 10A"
- Pin 9 Output 10 (10A) – 16 Ga. WH/BK Output 10 "OUT 10 10A"
- Pin 10 Input 1 – Not Used – Sealing Plug
- Pin 11 Input 2 – Not Used – Sealing Plug
- Pin 12 Input 3 – Not Used – Sealing Plug
- Pin 13 Input 4 – Not Used – Sealing Plug
- Pin 14 Main Ground – 14 Ga. BK Remote Node Ground "NODE GND"
- Pin 15 Data – 16 Ga. YW Remote Node Data "DATA"
- Pin 16 Output 1 (5A) – 16 Ga. RD Output 1 "OUT 1 5A"

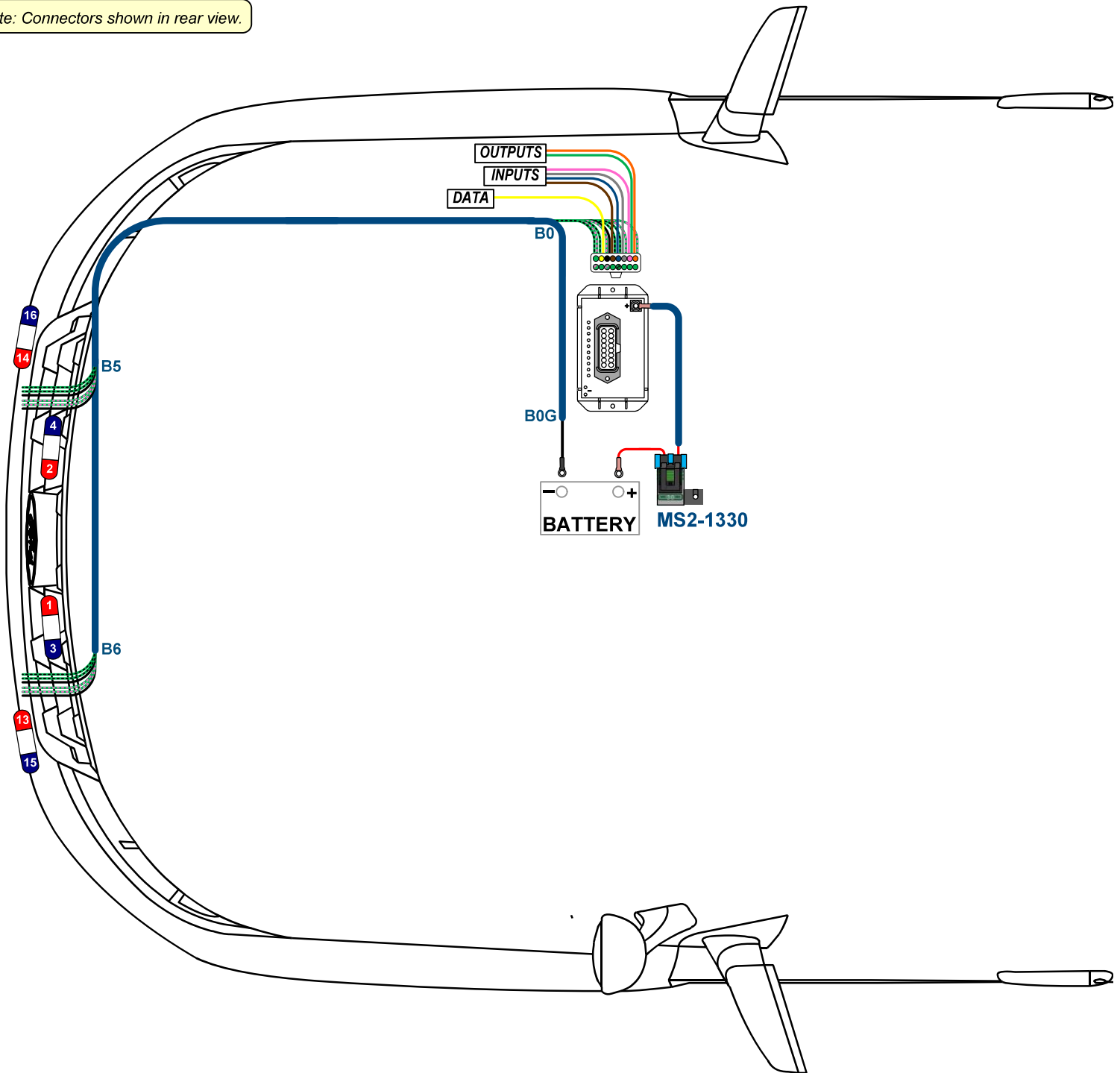


MS2-1330 POWER INPUT TO REMOTE NODE

- 10 Ga. RD Power Input (30A) "NODE PWR"

**Note: See MS2-1330 Layout, if applicable, for detailed information on Power Distribution*

Note: Connectors shown in rear view.



FRONT LIGHTING:

GRILLE LIGHTS

- 18 Ga. GN/BK Driver Grille Red Light 1 "LT 1" from Node Pin 16
- 18 Ga. GN/BK Driver Grille Blue Light 3 "LT 3" from Node Pin 7
- 18 Ga. BK Driver Grille Lights Ground "LT 1 GND" from Ground Assembly
- 18 Ga. GN/BK Pass. Grille Red Light 2 "LT 2" from Node Pin 5
- 18 Ga. GN/BK Pass. Grille Blue Light 4 "LT 4" from Node Pin 4
- 18 Ga. BK Pass. Grille Lights Ground "LT 2 GND" from Ground Assembly

FOG LIGHTS

- 18 Ga. GN/PK Driver Fog Red Light 13 "LT 13" from Node Pin 8
- 18 Ga. GN/PK Driver Fog Blue Light 15 "LT 15" from Node Pin 6
- 18 Ga. BK Driver Fog Lights Ground "LT 13 GND" from Ground Assembly
- 18 Ga. GN/PK Pass. Fog Red Light 14 "LT 14" from Node Pin 3
- 18 Ga. GN/PK Pass. Fog Blue Light 16 "LT 16" from Node Pin 1
- 18 Ga. BK Pass. Fog Lights Ground "LT 14 GND" from Ground Assembly

REMOTE NODE DATA – 16" PIGTAIL

- 18 Ga. YW Data Wire "DATA" from Node Pin 15

INPUTS – 12" PIGTAILS

- 18 Ga. PK Input 1 "INPUT 1" to Node Pin 10
- 18 Ga. GY Input 2 "INPUT 2" to Node Pin 11
- 18 Ga. BL Input 3 "INPUT 3" to Node Pin 12
- 18 Ga. BR Input 4 "INPUT 4" to Node Pin 13

SPARE OUTPUTS – 12" PIGTAILS

- 18 Ga. GN Spare Output 8 "OUTPUT 8" from Node Pin 2
- 18 Ga. OR Spare Output 10 "OUTPUT 10" from Node Pin 9

PRODUCTS SHOWN ON LAYOUT:

Front Grille Lighting Harness: MS-FN-04
Remote Node Power Cable: MS2-1330

TECHNICAL SUPPORT & SALES CONTACT:

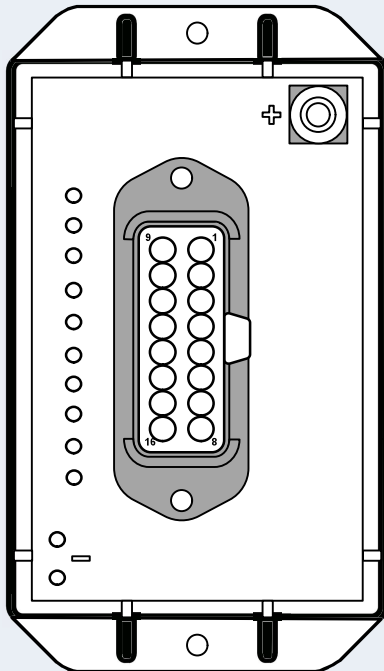
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

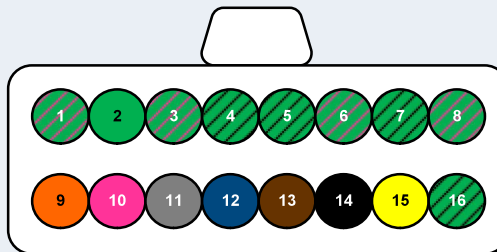
Web: www.allfleetsolutions.com

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ECN 000000



**REMOTE NODE
TORQUE SPEC AT
STUDS: 7 ft/lbs**



REMOTE NODE CONNECTOR

- Pin 1 Output 9 (10A) – 18 Ga. GN/PK Pass. Fog Light 16 "LT 16"
- Pin 2 Output 8 (5A) – 18 Ga. GN 12" Lead Output 8 "OUTPUT 8"
- Pin 3 Output 7 (10A) – 18 Ga. GN/PK Pass. Fog Light 14 "LT 14"
- Pin 4 Output 6 (5A) – 18 Ga. GN/BK Pass. Grille Light 4 "LT 4"
- Pin 5 Output 5 (5A) – 18 Ga. GN/BK Pass. Grille Light 2 "LT 2"
- Pin 6 Output 4 (10A) – 18 Ga. GN/PK Driver Fog Light 15 "LT 15"
- Pin 7 Output 3 (5A) – 18 Ga. GN/BK Driver Grille Light 3 "LT 3"
- Pin 8 Output 2 (10A) – 18 Ga. GN/PK Driver Fog Light 13 "LT 13"
- Pin 9 Output 10 (10A) – 18 Ga. OR 12" Lead Output 10 "OUTPUT 10"
- Pin 10 Input 1 – 18 Ga. PK 12" Lead Input 1 "INPUT 1"
- Pin 11 Input 2 – 18 Ga. GY 12" Lead Input 2 "INPUT 2"
- Pin 12 Input 3 – 18 Ga. BL 12" Lead Input 3 "INPUT 3"
- Pin 13 Input 4 – 18 Ga. BR 12" Lead Input 4 "INPUT 4"
- Pin 14 Main Ground – 14 Ga. BK Remote Node Ground "NODE GND"
- Pin 15 Data – 18 Ga. YW Data Wire "DATA" Pigtail 16"
- Pin 16 Output 1 (5A) – 18 Ga. GN/BK Driver Grille Light 1 "LT 1"



1/4" Ring

TO BATTERY TERMINAL

- Torque – 50 in/lbs
- 7/16" Socket

MS2-1330 Power Cable

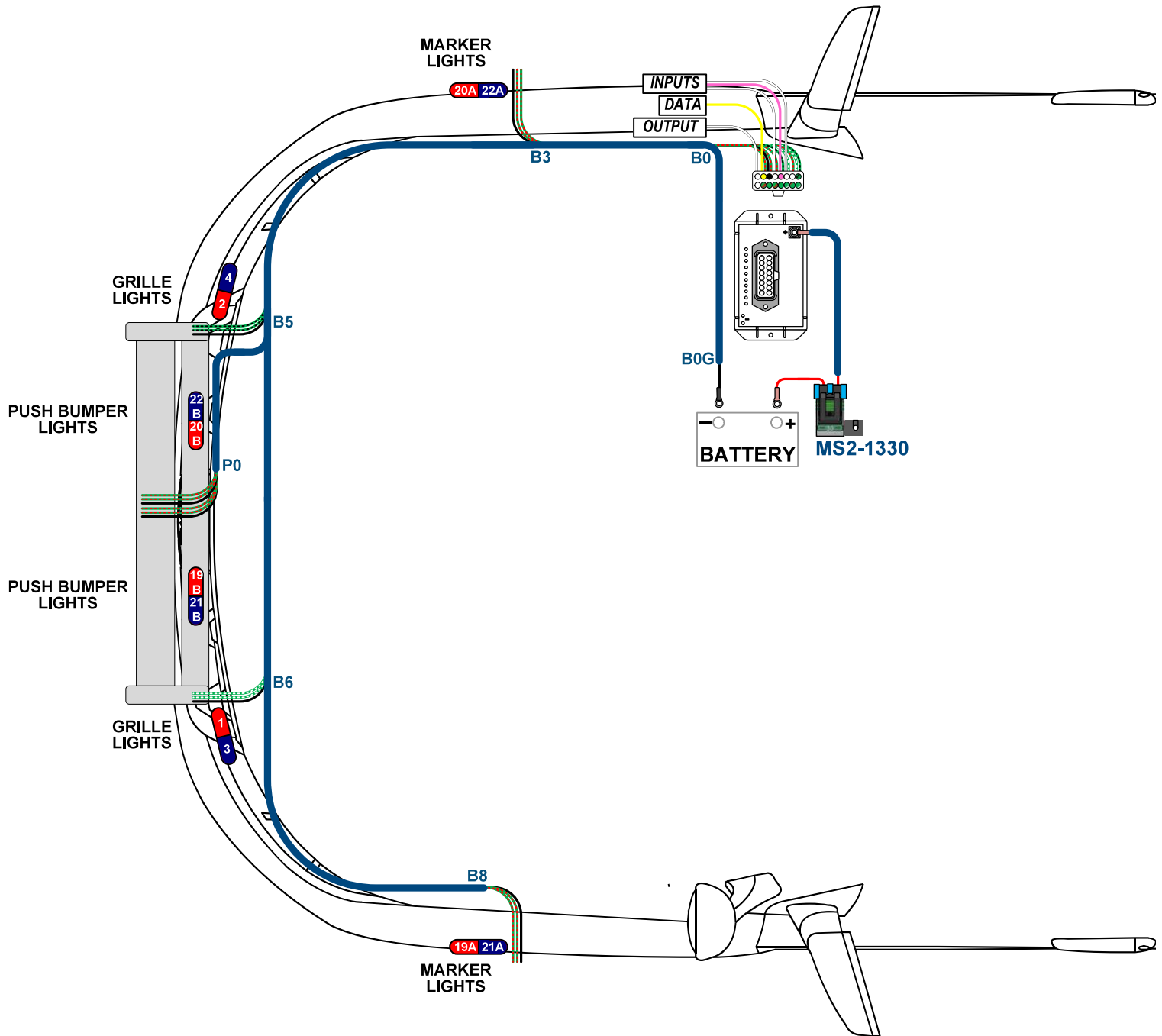
- 10 Ga. Red Power 30A – 36"
- 30 Amp Mini Fuse, Fuse Holder & Cover
- 1/4" Ring at Battery to 5/16" Ring for Node

5/16" Ring

TO REMOTE NODE STUD

- Torque – 7 ft/lbs
- 1/2" Socket

Note: Connectors shown in rear view.



FRONT LIGHTING:

GRILLE LIGHTS

- 18 Ga. GN/WH Driver Grille Light 1 "LT 1" from Node Pin 1
- 18 Ga. GN/WH Driver Grille Light 3 "LT 3" from Node Pin 3
- 18 Ga. BK Driver Grille Lights Ground "LT 1 GND" from Ground Assembly
- 18 Ga. GN/BK Pass. Grille Light 2 "LT 2" from Node Connector Pin 4
- 18 Ga. GN/BK Pass. Grille Light 4 "LT 4" from Node Connector Pin 9
- 18 Ga. BK Pass. Grille Lights Ground "LT 2 GND" from Ground Assembly

PUSH BUMPER LIGHTS

- 18 Ga. GN/RD Driver Marker Light 19B "LT 19B" from Node Pin 7 Assembly
- 18 Ga. GN/RD Driver Marker Light 21B "LT 21B" from Node Pin 2 Assembly
- 18 Ga. BK Driver Marker Lights Ground "LT 19B GND" from Ground Assembly
- 18 Ga. GN/RD Pass. Marker Light 20B "LT 20B" from Node Pin 5 Assembly
- 18 Ga. GN/RD Pass. Marker Light 22B "LT 22B" from Node Pin 6 Assembly
- 18 Ga. BK Pass. Marker Lights Ground "LT 20B GND" from Ground Assembly

MARKER LIGHTS

- 18 Ga. GN/RD Driver Marker Light 19A "LT 19A" from Node Pin 7 Assembly
- 18 Ga. GN/RD Driver Marker Light 21A "LT 21A" from Node Pin 2 Assembly
- 18 Ga. BK Driver Marker Lights Ground "LT 19A GND" from Ground Assembly
- 18 Ga. GN/RD Pass. Marker Light 20A "LT 20A" from Node Pin 5 Assembly
- 18 Ga. GN/RD Pass. Marker Light 22A "LT 22A" from Node Pin 6 Assembly
- 18 Ga. BK Pass. Marker Lights Ground "LT 20A GND" from Ground Assembly

REMOTE NODE DATA – 12" PIGTAIL

- 18 Ga. YW Data Wire "DATA" from Node Pin 15

INPUTS – 12" PIGTAILS

- 18 Ga. WH Input 2 "INPUT 2" to Node Pin 11
- 18 Ga. PK Input 3 "FOG INPUT" to Node Pin 12
- 18 Ga. WH Input 4 "INPUT 4" to Node Pin 13

SPARE OUTPUT – 12" PIGTAIL

- 18 Ga. WH Spare Output "OUTPUT 1" from Node Pin 16

PRODUCTS SHOWN ON LAYOUT:

Front Lighting Harness: MS-FN-06
Remote Node Power Cable: MS2-1330

TECHNICAL SUPPORT & SALES CONTACT:

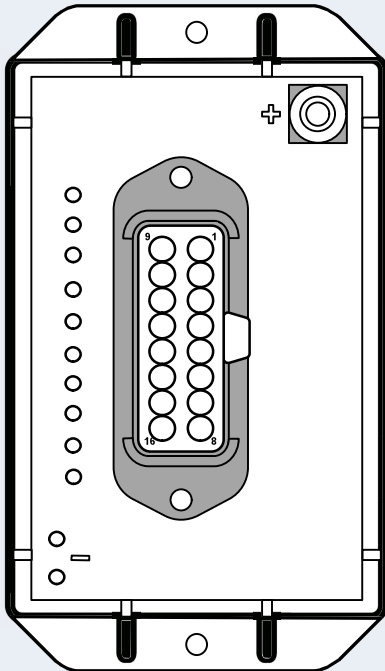
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

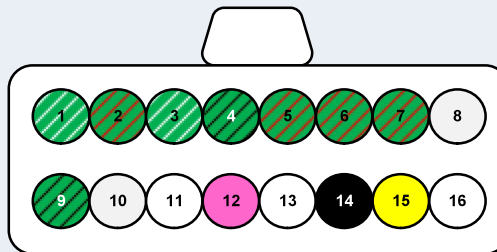
Web: www.allfleetsolutions.com

EDD 032526

ECN 000000



**REMOTE NODE
TORQUE SPEC AT
STUDS: 7 ft/lbs**



REMOTE NODE CONNECTOR

- Pin 1 Output 9 (10A) – 18 Ga. GN/WH Driver Grille Light 1 "LT 1"
- Pin 2 Output 8 (5A) – 18 Ga. GN/RD Driver Marker & PB Front Lights 21 "LTS 21"
- Pin 3 Output 7 (10A) – 18 Ga. GN/WH Driver Grille Light 3 "LT 3"
- Pin 4 Output 6 (5A) – 18 Ga. GN/BK Pass. Grille Light 2 "LT 2"
- Pin 5 Output 5 (5A) – 18 Ga. GN/RD Pass. Marker & PB Front Lights 20 "LTS 20"
- Pin 6 Output 4 (10A) – 18 Ga. GN/RD Pass. Marker & PB Front Lights 22 "LTS 22"
- Pin 7 Output 3 (5A) – 18 Ga. GN/RD Driver Marker & PB Front Lights 19 "LTS 19"
- Pin 8 Output 2 (10A) – *Not Used – Sealing Plug*
- Pin 9 Output 10 (10A) – 18 Ga. GN/BK Pass. Grille Light 4 "LT 4"
- Pin 10 Input 1 – *Not Used – Sealing Plug*
- Pin 11 Input 2 – 18 Ga. WH Input 2 "INPUT 2" - 12" Pigtail
- Pin 12 Input 3 – 18 Ga. PK Fog Light Input "FOG INPUT" - 12" Pigtail
- Pin 13 Input 4 – 18 Ga. WH Input 4 "INPUT 4" Pigtail 12"
- Pin 14 Main Ground – 14 Ga. BK Remote Node Ground "NODE GND"
- Pin 15 Data – 18 Ga. YW Data Wire "DATA" - 12" Pigtail
- Pin 16 Output 1 (5A) – 18 Ga. WH Spare Output Wire "OUTPUT 1" - 12" Pigtail



1/4" Ring

TO BATTERY TERMINAL

- Torque – 50 in/lbs
- 7/16" Socket

MS2-1330 Power Cable

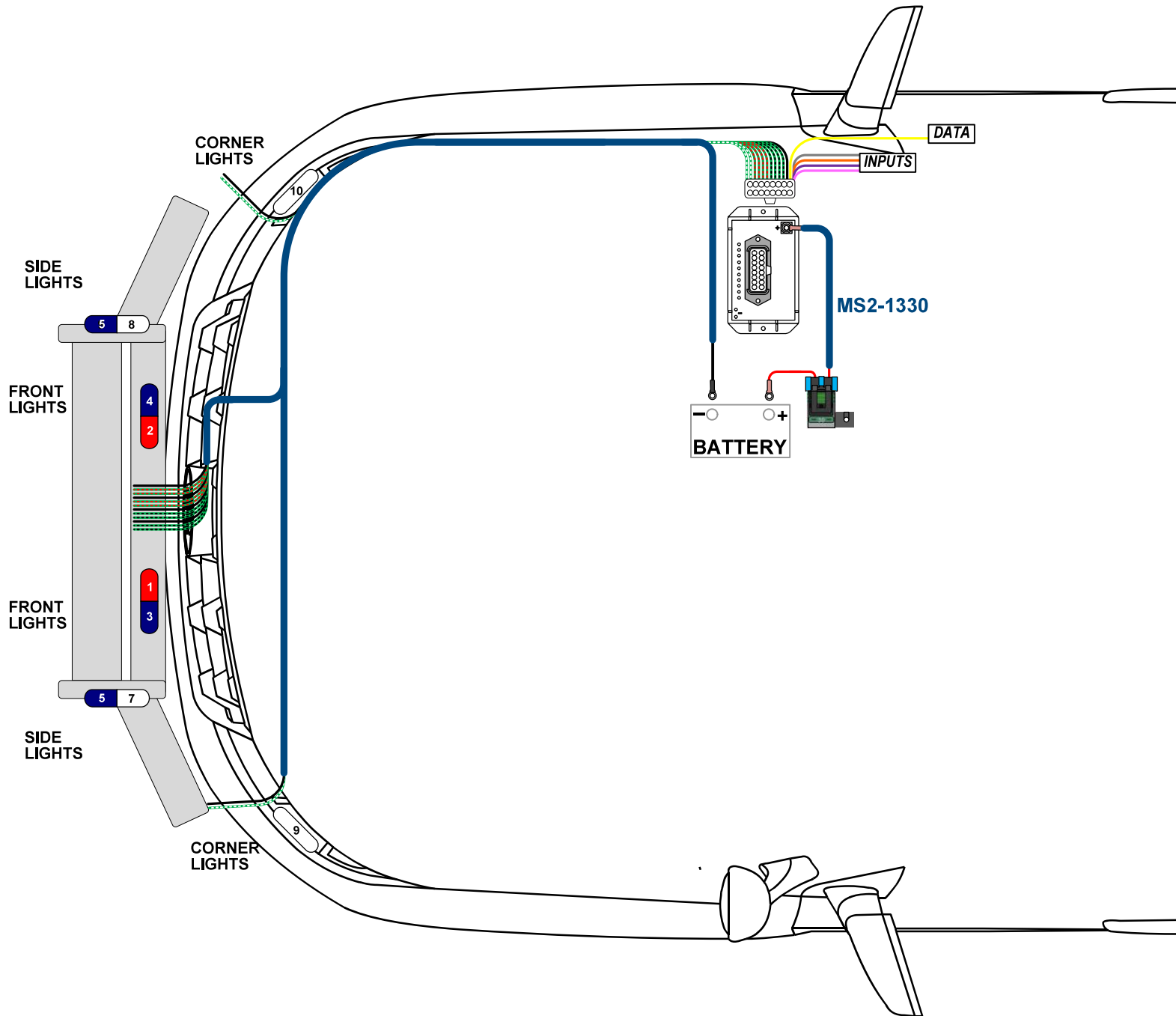
- 10 Ga. Red Power 30A – 36"
- 30 Amp Mini Fuse, Fuse Holder & Cover
- 1/4" Ring at Battery to 5/16" Ring for Node

5/16" Ring

TO REMOTE NODE STUD

- Torque – 7 ft/lbs
- 1/2" Socket

Note: Connectors shown in rear view.



FRONT LIGHTING:

FRONT LIGHTS

- 18 Ga. GN/BK Driver Light 1 "X OUT 1" from Node Connector Pin 16
- 18 Ga. GN/BK Pass. Light 2 "X OUT 2" from Node Connector Pin 8
- 18 Ga. GN/BK Driver Light 3 "X OUT 3" from Node Connector Pin 7
- 18 Ga. GN/BK Pass. Light 4 "X OUT 4" from Node Connector Pin 6
- 18 Ga. BK Driver Light 1 Ground "LT 1 GND" from Ground Assembly
- 18 Ga. BK Pass. Light 2 Ground "LT 2 GND" from Ground Assembly

SIDE LIGHTS

- 18 Ga. GN/RD Driver Light 15 "X OUT 5" from Node Connector Pin 5
- 18 Ga. GN/RD Pass. Light 16 "X OUT 6" from Node Connector Pin 4
- 18 Ga. GN/RD Driver Light 17 "X OUT 7" from Node Connector Pin 3
- 18 Ga. GN/RD Pass. Light 18 "X OUT 8" from Node Connector Pin 2
- 18 Ga. BK Driver Light 15 Ground "LT 15 GND" from Ground Assembly
- 18 Ga. BK Pass. Light 16 Ground "LT 16 GND" from Ground Assembly

CORNER LIGHTS

- 18 Ga. GN/PK Driver Light 11 "X OUT 9" from Node Connector Pin 1
- 18 Ga. GN/PK Pass. Light 12 "X OUT 10" from Node Connector Pin 9
- 18 Ga. BK Driver Light 11 Ground "LT 11 GND" from Ground Assembly
- 18 Ga. BK Pass. Light 12 Ground "LT 12 GND" from Ground Assembly

REMOTE NODE PIGTAILS 12"

- 18 Ga. PK Input 1 "INPUT 1" from Node Connector Pin 10
- 18 Ga. PU Input 2 "INPUT 2" from Node Connector Pin 11
- 18 Ga. OR Input 3 "INPUT 3" from Node Connector Pin 12
- 18 Ga. GY Input 4 "INPUT 4" from Node Connector Pin 13
- 18 Ga. WH Address Select "ADD SELECT" from Node Connector Pin 14
- 18 Ga. YW Data Wire "DATA" from Node Connector Pin 15

PRODUCTS SHOWN ON LAYOUT:

Front Lighting Harness: MS2-B22-PB
Remote Node Power Cable: MS2-1330

TECHNICAL SUPPORT & SALES CONTACT:

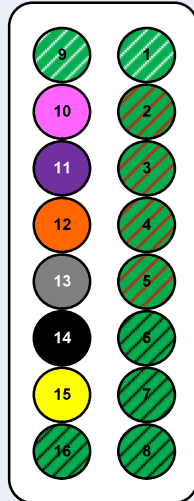
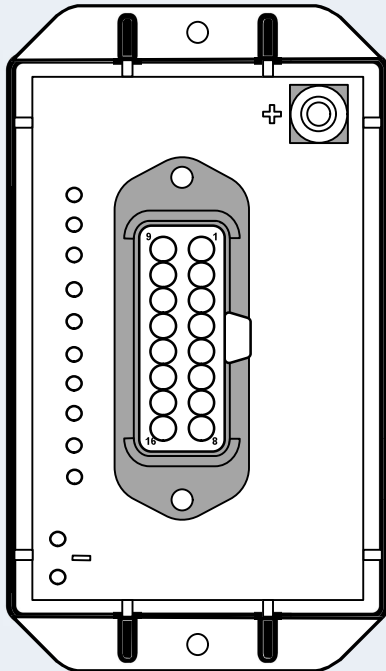
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 030123

ECN 000000



REMOTE NODE CONNECTOR

- Pin 1 Output 9 (10A) – 18 Ga. GN/WH Driver Scene Light 9 "X OUT 9"
- Pin 2 Output 8 (5A) – 18 Ga. GN/RD Pass. Side Light 8 "X OUT 8"
- Pin 3 Output 7 (10A) – 18 Ga. GN/RD Driver Side Light 7 "X OUT 7"
- Pin 4 Output 6 (5A) – 18 Ga. GN/RD Pass. Side Light 6 "X OUT 6"
- Pin 5 Output 5 (5A) – 18 Ga. GN/RD Driver Side Light 5 "X OUT 5"
- Pin 6 Output 4 (10A) – 18 Ga. GN/BK Pass. Push Bumper Light 4 "X OUT 4"
- Pin 7 Output 3 (5A) – 18 Ga. GN/BK Driver Push Bumper Light 3 "X OUT 3"
- Pin 8 Output 2 (10A) – 18 Ga. GN/BK Pass. Push Bumper Light 2 "X OUT 2"
- Pin 9 Output 10 (10A) – 18 Ga. GN/WH Pass. Corner Light 10 "X OUT 10"
- Pin 10 Input 1 – 18 Ga. PK Input 1 "INPUT 1" Pigtail 12"
- Pin 11 Input 2 – 18 Ga. PU Input 2 "INPUT 2" Pigtail 12"
- Pin 12 Input 3 – 18 Ga. OR Input 3 "INPUT 3" Pigtail 12"
- Pin 13 Input 4 – 18 Ga. GY Input 4 "INPUT 4" Pigtail 12"
- Pin 14 Main Ground – 14 Ga. BK Remote Node Ground "NODE GND"
- Pin 15 Data – 18 Ga. YW Data Wire "DATA" Pigtail 16"
- Pin 16 Output 1 (5A) – 18 Ga. GN/BK Driver Push Bumper Light 1 "X OUT 1"



REMOTE NODE
TORQUE SPEC AT
STUDS: 7 ft/lbs

1/4" Ring

TO BATTERY TERMINAL

- Torque – 50 in/lbs
- 7/16" Socket

MS2-1330 Power Cable

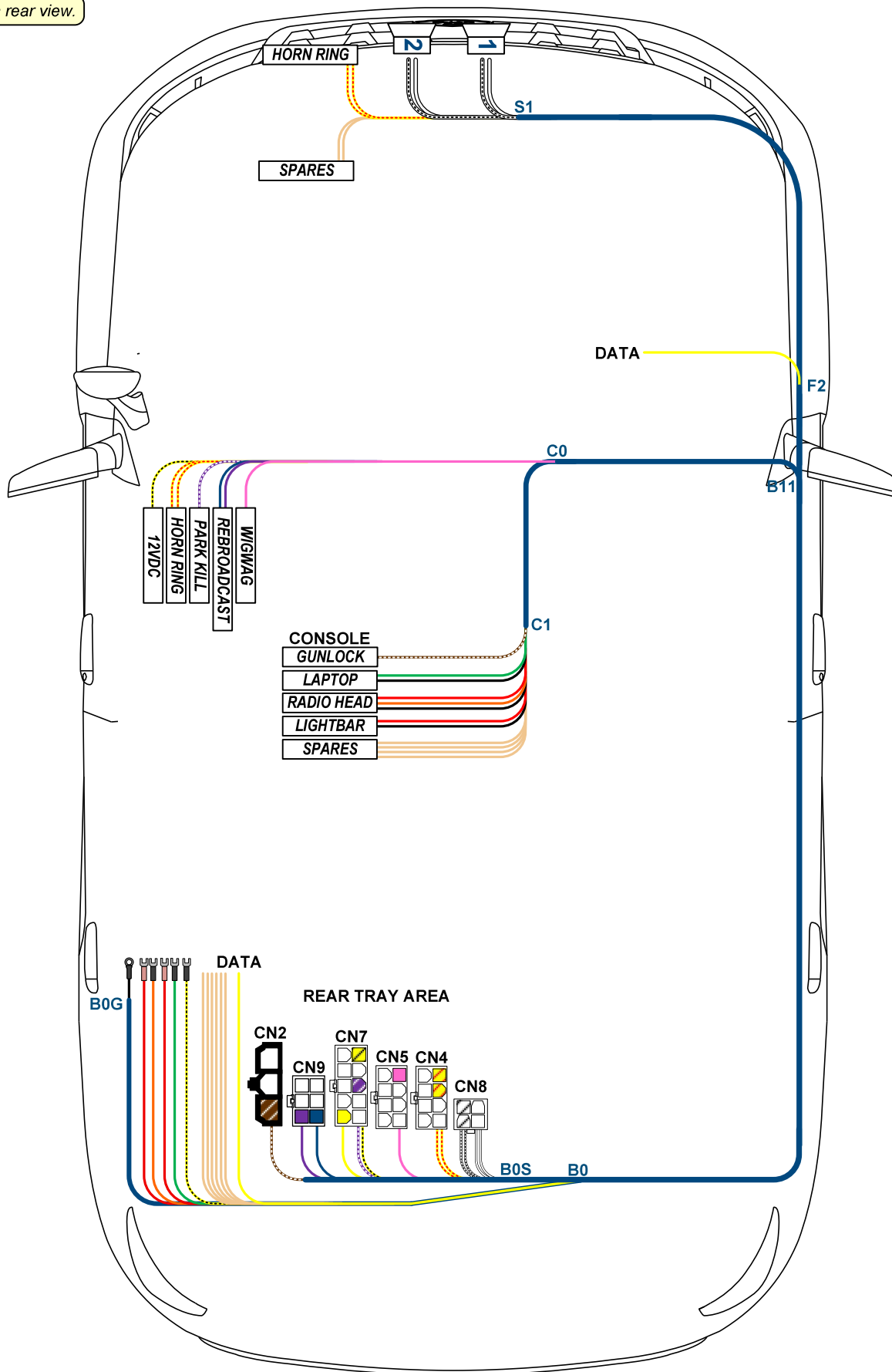
- 10 Ga. Red Power 30A – 36"
- 30 Amp Mini Fuse, Fuse Holder & Cover
- 1/4" Ring at Battery to 5/16" Ring for Node

5/16" Ring

TO REMOTE NODE STUD

- Torque – 7 ft/lbs
- 1/2" Socket

Note: Connectors shown in rear view.



PRODUCTS SHOWN ON LAYOUT:

500 Siren Main Harness: SOX-MH-002

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 052026

ECN 000000

FRONT COMPONENTS:

SPEAKERS

- 16 Ga. WH/BK Speaker 1 Positive "SPKR 1 POS" from 500 CN8 Pin 1
- 16 Ga. WH/BK Speaker 2 Positive "SPKR 2 POS" from 500 CN8 Pin 3
- 16 Ga. WH Speaker 1 Common "SPKR 1 COM" from 500 CN8 Pin 2
- 16 Ga. WH Speaker 2 Common "SPKR 2 COM" from 500 CN8 Pin 4

HORN RING

- 16 Ga. YW/RD Horn "HORN 2" from 500 CN4 Pin 1 Assembly
- 16 Ga. YW/RD Horn Ring "HORN RG 2" from 500 CN4 Pin 2 Assembly

FRONT SPARES

- 14 Ga. TN Front Spare 1 "SPARE 1" from Rear Tray
- 14 Ga. TN Front Spare 2 "SPARE 2" from Rear Tray

NODE DATA

- 18 Ga. YW Front Remote Node Data "FN DATA" from 500 CN7 Pin 10

MID COMPONENTS:

12VDC IGNITION

- 18 Ga. YW/BK 12VDC Ignition Sense "12VDC" to 500 CN7 Pin 1 & Rear

HORN RING

- 16 Ga. YW/RD Horn "HORN 1" from 500 CN4 Pin 1 Assembly
- 16 Ga. YW/RD Horn Ring "HORN RG 1" from 500 CN4 Pin 2 Assembly

PARK KILL

- 18 Ga. PU/WH Park Kill Input Sense "PARK KILL" to 500 CN7 Pin 3

RADIO REBROADCAST

- 18 Ga. BL Radio Rebroadcast Positive + "REBROAD" from 500 CN9 Pin 3
- 18 Ga. PU Radio Rebroadcast Common - "REBROAD" from 500 CN9 Pin 6

WIGWAG

- 16 Ga. PK WigWag Flash Trigger "WIGWAG" from 500 CN5 Pin 1

GUNLOCK

- 16 Ga. BR/WH Gunlock Output Trigger "GUNLOCK" from 500 CN2 Pin 1

LAPTOP

- 14 Ga. GN Laptop Power "LAPTOP PWR" from Rear Tray
- 14 Ga. BK Laptop Ground "LAPTOP GND" from Ground Ring

LIGHTBAR

- 10 Ga. RD Lightbar Power "LB PWR" from Rear Tray
- 10 Ga. BK Lightbar Ground "LB GND" from Ground Ring

RADIO HEAD

- 14 Ga. RD Radio Head Power "RDO HD PWR" from Rear Tray
- 14 Ga. OR Radio Head Ignition "RDO HD IGN" from Rear Tray
- 14 Ga. BK Radio Head Ground "RDO HD GND" from Ground Ring

CONSOLE SPARES

- 14 Ga. TN Console Spare 3 "SPARE 3" from Rear Tray
- 14 Ga. TN Console Spare 4 "SPARE 4" from Rear Tray
- 14 Ga. TN Console Spare 5 "SPARE 5" from Rear Tray
- 14 Ga. TN Console Spare 6 "SPARE 6" from Rear Tray

REAR COMPONENTS:

GROUND RING

- 10 Ga. BK Lightbar Ground "LB GND" to Console
- 14 Ga. BK Laptop Ground "LAPTOP GND" to Console
- 14 Ga. BK Radio Head Ground "RDO HD GND" to Console

RADIO HEAD

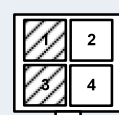
- 14 Ga. RD Radio Head Power "RDO HD PWR" to Console
- 14 Ga. OR Radio Head Ignition "RDO HD IGN" to Console

LIGHTBAR

- 10 Ga. RD Lightbar Power "LB PWR" to Console

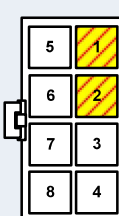
LAPTOP

- 14 Ga. GN Laptop Power "LAPTOP PWR" to Console



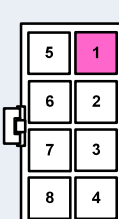
CN8 - SPEAKER OUTPUTS

- Pin 1 Speaker 1 (+) - 16 Ga. WH/BK "SPKR 1 POS"
- Pin 2 Speaker 1 (-) - 16 Ga. WH "SPKR 1 COM"
- Pin 3 Speaker 2 (+) - 16 Ga. WH/BK "SPKR 2 POS"
- Pin 4 Speaker 2 (-) - 16 Ga. WH "SPKR 2 COM"



CN4 - LOW CURRENT OUTPUTS

- Pin 1 Relay 3 Normally Open - 16 Ga. YW/RD "HORN"
- Pin 2 Relay 3 Normally Closed - 16 Ga. YW/RD "HORN RING"
- Pin 3 Lightbar BUS Channel 2 -
- Pin 4 Output 15 -
- Pin 5 Output 11 -
- Pin 6 Output 12 -
- Pin 7 Output 13 -
- Pin 8 Output 14 -



CN5 - LOW CURRENT OUTPUTS

- Pin 1 Relay 2 Normally Open - 16 Ga. PK "WIGWAG"
- Pin 2 Relay 2 Normally Closed -
- Pin 3 Relay 2 Input -
- Pin 4 Output 10 -
- Pin 5 Output 6 -
- Pin 6 Output 7 -
- Pin 7 Output 8 -
- Pin 8 Output 9 -

12VDC INPUT

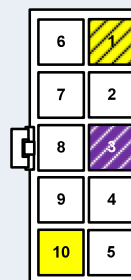
- 18 Ga. YW/BK 12VDC Ignition Sense "12V IGN" from Interface Area

SPARES

- 14 Ga. TN Front Spare 1 "SPARE 1" to Underhood
- 14 Ga. TN Front Spare 2 "SPARE 2" to Underhood
- 14 Ga. TN Console Spare 3 "SPARE 3" to Console
- 14 Ga. TN Console Spare 4 "SPARE 4" to Console
- 14 Ga. TN Console Spare 5 "SPARE 5" to Console
- 14 Ga. TN Console Spare 6 "SPARE 6" to Console

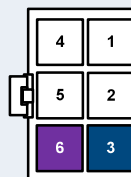
REAR DATA

- 18 Ga. YW Rear Remote Node Data "RN DATA" from 500 CN7 Pin 10



CN7 - INPUTS

- Pin 1 Ignition (3A) - 18 Ga. YW/BK "SIREN IGN"
- Pin 2 Input 1 -
- Pin 3 Park Kill (+) - 18 Ga. PU/WH "PARK KILL"
- Pin 4 Aux 1 (-) -
- Pin 5 Horn Ring (-) -
- Pin 6 Backlight (3A) -
- Pin 7 Horn Ring (+) -
- Pin 8 Park Kill (-) -
- Pin 9 Reset (-) -
- Pin 10 Node Data - 18 Ga. YW "NODE DATA"



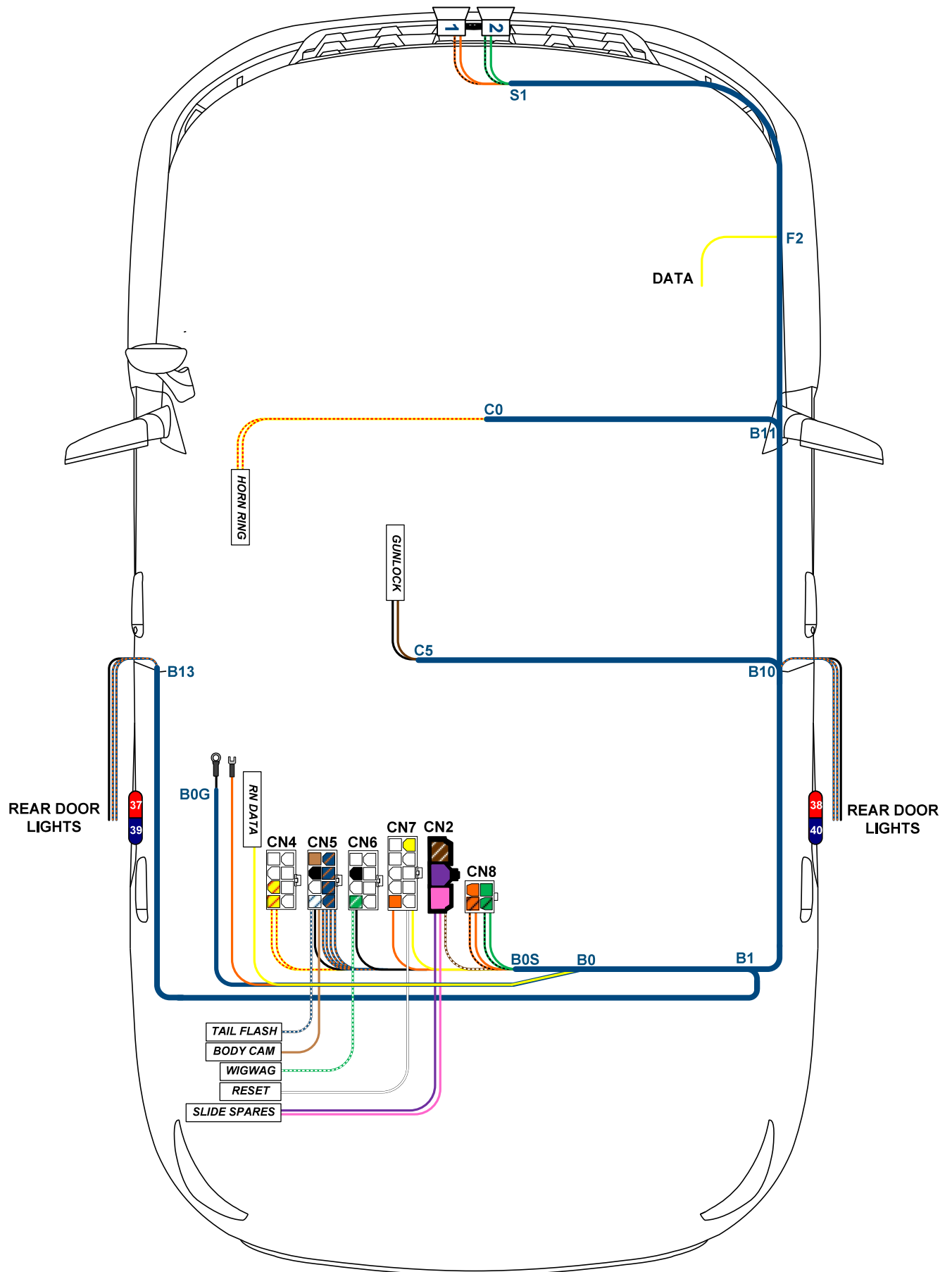
CN9 - CAN/REBROADCAST

- Pin 1 N/A
- Pin 2 CAN A (+) -
- Pin 3 Radio Rebroadcast 1 - 18 Ga. BL "REBROAD"
- Pin 4 CAN Shield -
- Pin 5 CAN A (-) -
- Pin 6 Radio Rebroadcast 2 - 18 Ga. PU "REBROAD"

CN2 - RELAY/SLIDE

- Pin 1 Relay Slide 1 - 16 Ga. BR/WH "GUNLOCK"
- Pin 2 Relay Slide 2 -
- Pin 3 Relay Slide 3 -





PRODUCTS SHOWN ON LAYOUT:

Main 500 Siren Harness: MS-SDS-500

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

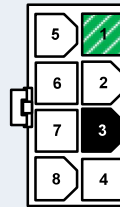
EDD 073126

ECN 000000



CN8 – SPEAKER OUTPUTS

- Pin 1 Speaker 1 (+) –: 16 Ga. OR/BK “SPEAKER 1”
- Pin 2 Speaker 1 (–) –: 16 Ga. OR “SPEAKER 1”
- Pin 3 Speaker 2 (+) –: 16 Ga. GN/BK “SPEAKER 2”
- Pin 4 Speaker 2 (–) –: 16 Ga. GN “SPEAKER 2”



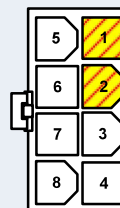
CN6 – LOW CURRENT OUTPUTS

- Pin 1 Relay 1 Normally Open – 18 Ga. GN/WH “WIGWAG”
- Pin 2 Relay 1 Normally Closed –
- Pin 3 Relay 1 Input – 18 Ga. BK “RLY 1 GND”
- Pin 4 Output 5 –
- Pin 5 Output 1 –
- Pin 6 Output 2 –
- Pin 7 Output 3 –
- Pin 8 Output 4 –



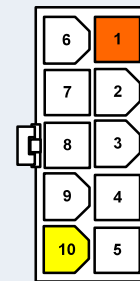
CN5 – LOW CURRENT OUTPUTS

- Pin 1 Relay 2 Normally Open – 18 Ga. WH/BL “TAIL FLASH”
- Pin 2 Relay 2 Normally Closed –
- Pin 3 Relay 2 Input – 18 Ga. BK “RLY 2 GND”
- Pin 4 Output 10 – 18 Ga. TN “CAM TRG”
- Pin 5 Output 6 – 18 Ga. BL/OR “LT 37”
- Pin 6 Output 7 – 18 Ga. BL/OR “LT 38”
- Pin 7 Output 8 – 18 Ga. BL/OR “LT 39”
- Pin 8 Output 9 – 18 Ga. BL/OR “LT 40”



CN4 – LOW CURRENT OUTPUTS

- Pin 1 Horn Ring Output –: 16 Ga. YW/RD “HORN”
- Pin 2 Horn Ring Input –: 16 Ga. YW/RD “HORN RING”
- Pin 3 Light Bar Data –:
- Pin 4 Output 15 –:
- Pin 5 Output 11 (Diode) –:
- Pin 6 Output 12 (In-Rush) –:
- Pin 7 Output 13 (In-Rush) –:
- Pin 8 Output 14 –:



CN7 – INPUTS

- Pin 1 Ignition (3A) –: 18 Ga. OR “500 IGN”
- Pin 2 Input 1 –:
- Pin 3 Park Kill (+) –:
- Pin 4 Aux 1 (–) –:
- Pin 5 Horn Ring (–) –:
- Pin 6 Backlight (3A) –:
- Pin 7 Horn Ring (+) –:
- Pin 8 Park Kill (–) –:
- Pin 9 Reset (–) –: 18 Ga. WH “RESET”
- Pin 10 Node Data –: 18 Ga. YW “DATA”



CN2 – RELAY/SLIDE

- Pin 1 Relay Slide 1 – 16 Ga. BR/WH “GUNLOCK”
- Pin 2 Relay Slide 2 – 16 Ga. PU “RS2”
- Pin 3 Relay Slide 3 – 16 Ga. PK “RS3”

FRONT COMPONENTS:

SPEAKERS

- 16 Ga. OR/BK Speaker 1 Positive “SPEAKER 1” from CN8 Pin 1
- 16 Ga. OR Speaker 1 Common “SPEAKER 1” from CN8 Pin 2
- 16 Ga. GN/BK Speaker 2 Positive “SPEAKER 2” from CN8 Pin 3
- 16 Ga. GN Speaker 2 Common “SPEAKER 2” from CN8 Pin 4

FRONT NODE DATA

- 18 Ga. YW Front Node Data “FN DATA” from CN7 Pin 10 Assembly

MID COMPONENTS:

GUNLOCK

- 16 Ga. BR/WH Gunlock Trigger “GUNLOCK” from CN2 Pin 1
- 16 Ga. BK Gunlock Ground “GUN GND” from Ground Assembly

HORN RING

- 16 Ga. YW/RD Horn Ring Input “HORN RING” to CN4 Pin 2
- 16 Ga. YW/RD Horn Ring Output “HORN” from CN4 Pin 1

REAR DOOR LIGHTS

- 18 Ga. BL/OR Driver Rear Door Light 37 “LT 37” from CN5 Pin 5
- 18 Ga. BL/OR Driver Rear Door Light 39 “LT 39” from CN5 Pin 7
- 18 Ga. BK Driver Rear Door Lights Ground “LT 37 GND” from Ground Assembly
- 18 Ga. BL/OR Pass. Rear Door Light “LT 38” from CN5 Pin 6
- 18 Ga. BL/OR Pass. Rear Door Light “LT 40” from CN5 Pin 8
- 18 Ga. BK Pass. Rear Door Lights Ground “LT 38 GND” from Ground Assembly

REAR COMPONENTS:

GROUND

- 12 Ga. BK Rear Ground Ring “MID GND” to Ground Assembly

SIREN IGNITION

- 18 Ga. OR 500 Siren Ignition “500 IGN” to CTF F9

REAR NODE DATA

- 18 Ga. YW Rear Node Data “RN DATA” from CN7 Pin 10 Assembly

TAIL LIGHT FLASH – 60" PIGTAIL

- 18 Ga. WH/BL Tail Light Flash “TL FLASH” from CN5 Pin 1

BODY CAMERA – 60" PIGTAIL

- 18 Ga. TN Body Camera Trigger “BODY CAM” from CN5 Pin 4

WIGWAG – 60" PIGTAIL

- 18 Ga. GN/WH WigWag Flash Trigger “WIGWAG” from CN6 Pin 1

RESET – 60" PIGTAIL

- 18 Ga. WH Reset Input “RESET” from CN7 Pin 9

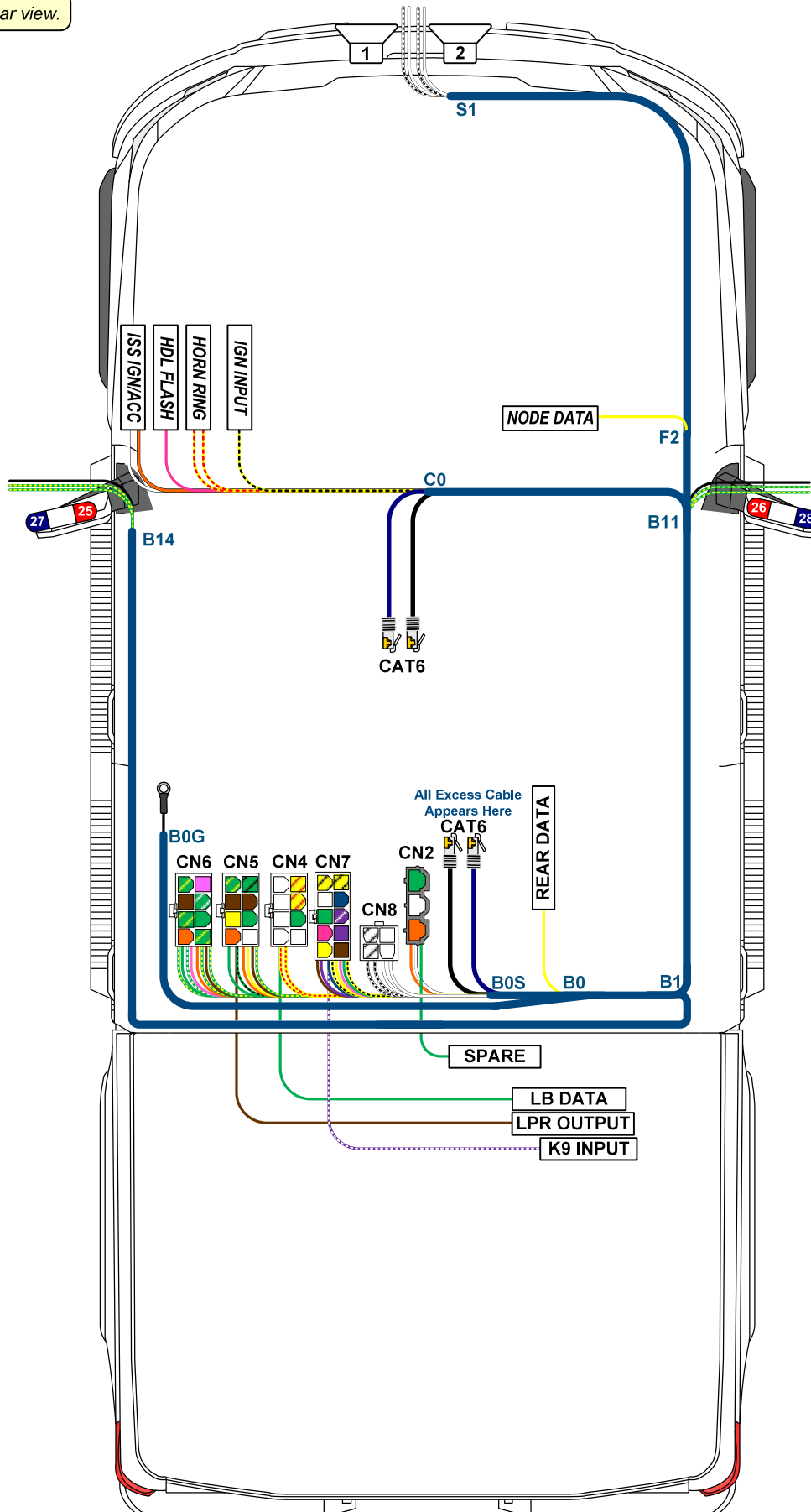
RELAY SLIDE SPARES – 60" PIGTAILS

- 16 Ga. PU Relay Slide 2 Spare “RS2” from CN2 Pin 2
- 16 Ga. PK Relay Slide 3 Spare “RS3” from CN2 Pin 3

500 SERIES SIREN

- See 500 Series Siren Layout for detailed information.

Note: Connectors shown in rear view.



PRODUCTS SHOWN ON LAYOUT:

Main 500 Siren Harness: MS-TDS-500

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

Email: sales@allfleetsolutions.com

Web: www.allfleetsolutions.com

EDD 012626

ECN 000000



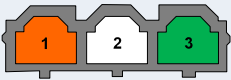
CN8 – SPEAKER OUTPUTS

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



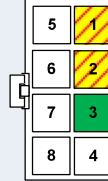
CN7 – INPUTS

- Pin 1 Ignition (3A) – 18 Ga. YV/BK “500 IGN”
- Pin 2 Input 1 – 18 Ga. BL “INPUT 1”
- Pin 3 Park Kill (+) – 18 Ga. PU/WH “K9 INPUT”
- Pin 4 Aux 1 (–) – 18 Ga. PU “INPUT 3”
- Pin 5 Horn Ring (–) – 18 Ga. BR “INPUT 4”
- Pin 6 Backlight (3A) – 18 Ga. YV/BK “BACKLIGHT”
- Pin 7 Horn Ring (+) – 18 Ga. WH “INPUT 6”
- Pin 8 Park Kill (–) – 18 Ga. GN “INPUT 9”
- Pin 9 Reset (–) – 18 Ga. PK “INPUT 10”
- Pin 10 Node Data – 18 Ga. YV “NODE DATA”



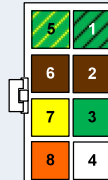
CN2 – RELAY/SLIDE

- Pin 1 Relay Slide 1 – 18 Ga. OR “ISS ACC”
- Pin 2 Relay Slide 2 – 18 Ga. WH “ISS IGN”
- Pin 3 Relay Slide 3 – 14 Ga. GN “SPARE”



CN4 – LOW CURRENT OUTPUTS

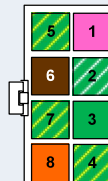
- Pin 1 Horn Out – 16 Ga. YV/RD “HORN CUT”
- Pin 2 Horn In – 16 Ga. YV/RD “HORN RING”
- Pin 3 Light Bar Data – 18 Ga. GN “LB DATA”
- Pin 4 Output 15 –
- Pin 5 Output 11 (Diode) –
- Pin 6 Output 12 (In-Rush) – Not Used
- Pin 7 Output 13 (In-Rush) –
- Pin 8 Output 14 – Not Used



CN5 – LOW CURRENT OUTPUTS

- Pin 1 Relay 2 N/O – 18 Ga. GN/BK “RLY 2 NO” 12”
- Pin 2 Relay 2 N/C – 18 Ga. BR “GUN RACK”
- Pin 3 Relay 2 Input – 18 Ga. GN “RLY 2 IN”
- Pin 4 Output 10 –
- Pin 5 Output 6 – 18 Ga. GN/YV MIR LT 28”
- Pin 6 Output 7 – 16 Ga. BR “LPR OUTPUT”
- Pin 7 Output 8 – 18 Ga. YV “OUTPUT 8”
- Pin 8 Output 9 – 18 Ga. OR “OUTPUT 9”

28



CN6 – LOW CURRENT OUTPUTS

- Pin 1 Relay 1 N/O – 16 Ga. PK “HDL FLASH”
- Pin 2 Relay 1 N/C – 18 Ga. GN/WH “RLY 1 NC”
- Pin 3 Relay 1 Input – 18 Ga. GN “RLY 1 IN”
- Pin 4 Output 5 – 18 Ga. GN/YV “MIR LT 26”
- Pin 5 Output 1 – 18 Ga. GN/YV “MIR LT 25”
- Pin 6 Output 2 – 18 Ga. BR “OUTPUT 2”
- Pin 7 Output 3 – 18 Ga. GN/YV “MIR LT 27”
- Pin 8 Output 4 – 18 Ga. OR “OUTPUT 4”

26

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27

FRONT COMPONENTS:

SPEAKERS

- Pin 1 – 16 Ga. WH/BK Speaker 1 Positive “SPKR 1 POS” from 500 CN8 Pin 1
- Pin 4 – 16 Ga. WH Speaker 1 Common “SPKR 1 COM” from 500 CN8 Pin 2
- Pin 5 – 16 Ga. WH/BK Speaker 2 Positive “SPKR 2 POS” from 500 CN8 Pin 4
- Pin 6 – 16 Ga. WH Speaker 2 Common “SPKR 2 COM” from 500 CN8 Pin 3

FRONT DATA

- 18 Ga. YV Front Node Data “FRONT DATA” from 500 CN2 Pin 10 Assembly

CONSOLE COMPONENTS:

IGNITION INPUT

- 18 Ga. YV/BK 12VDC Ignition Input “IGN INPUT” to 500 CN7 Pins 1 & 6

ISS ACCESSORY

- 18 Ga. OR ISS Accessory Trigger “ISS ACC” from 500 CN2 Pin 1

ISS IGNITION

- 18 Ga. OR ISS Ignition Trigger “ISS IGN” from 500 CN2 Pin 2

HORN/HORN RING

- 16 Ga. YV/RD Horn Cut “HORN” from 500 CN4 Pin 1
- 16 Ga. YV/RD Horn Ring “HORN RING” from 500 CN4 Pin 2

HEADLIGHT FLASH

- 16 Ga. PK Headlight Flash “HDL FLASH” from 500 CN6 Pin 1

CONTROLLER CAT6 CABLES

- Black Cat 6 Cable to Dash
- Blue Cat 6 Cable to Dash

REAR COMPONENTS:

LIGHTBAR DATA

- 18 Ga. GN LB Data Communication “LB DATA” - 36” Pigtail

REAR DATA

- 18 Ga. YV Rear Node Data “REAR DATA” - 36” Pigtail

LPR

- 16 Ga. LPR Output Trigger “LPR OUTPUT” - 36” Pigtail

K9 INPUT

- 18 Ga. PU/WH “K9 INPUT” - 12” Pigtail

SPARE

- 14 Ga. GN Spare “SPARE” - 36” Pigtail

CONTROLLER CAT6 CABLES

- Black Cat 6 Cable to Dash
- Blue Cat 6 Cable to Dash

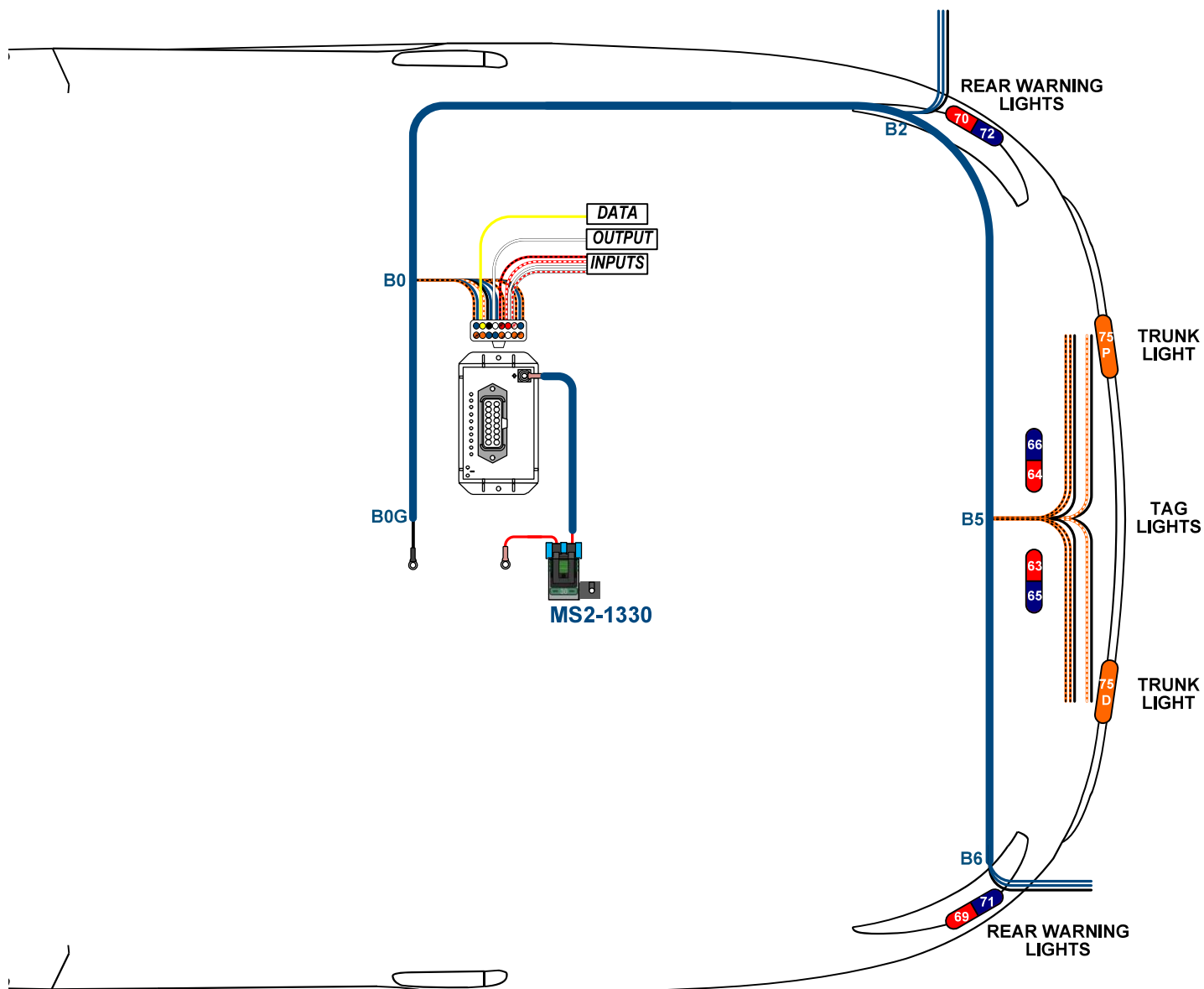
GUN RACK

- 18 Ga. BR Gun Rack “GUN RACK” from 500 CN5 Pin 2

500 SIREN MODULE

- See 500 Module Layout for detailed information.

Note: Connectors shown in rear view.



PRODUCTS SHOWN ON LAYOUT:

Rear Lighting Harness: MS-RN-RL6
Remote Node Power Cable: MS2-1330

TECHNICAL SUPPORT & SALES CONTACT:

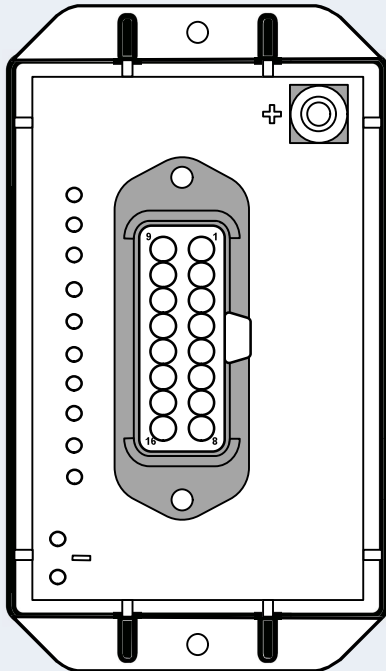
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

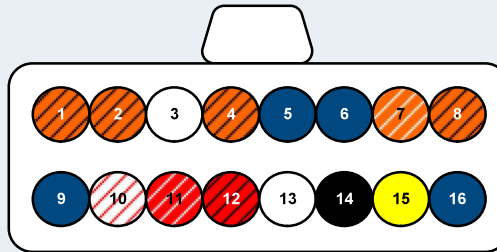
Web: www.allfleetsolutions.com

EDD 073126

ECN 000000



REMOTE NODE
TORQUE SPEC AT
STUDS: 7 ft/lbs



REMOTE NODE CONNECTOR

- Pin 1 Output 9 (10A) – 18 Ga. OR/BK Driver Tag Light 63 "LT 63"
- Pin 2 Output 8 (5A) – 18 Ga. OR/BK Driver Tag Light 65 "LT 65"
- Pin 3 Output 7 (10A) – 18 Ga. WH Spare Output 7 "OUTPUT 7" - 60" Pigtail
- Pin 4 Output 6 (5A) – 18 Ga. OR/BK Pass. Tag Light 64 "LT 64"
- Pin 5 Output 5 (5A) – 18 Ga. BL Pass. Rear Warning Light 70 "LT 70"
- Pin 6 Output 4 (10A) – 18 Ga. BL Pass. Rear Warning Light 72 "LT 72"
- Pin 7 Output 3 (5A) – 18 Ga. OR/WH Driver & Pass. Trunk Lights 75 "LTS 75"
- Pin 8 Output 2 (10A) – 18 Ga. OR/BK Pass. Tag Light 66 "LT 66"
- Pin 9 Output 10 (10A) – 18 Ga. BL Driver Rear Warning Light 69 "LT 69"
- Pin 10 Input 1 – 18 Ga. WH/RD Parking Lights Input "PARK LTS" - 60" Pigtail
- Pin 11 Input 2 – 18 Ga. RD/WH Reverse Lights Input "REVERSE" - 60" Pigtail
- Pin 12 Input 3 – 18 Ga. RD/BK Brake Lights Input "BRAKE" - 60" Pigtail
- Pin 13 Input 4 – 18 Ga. WH Input 4 "INPUT 4" - 60" Pigtail
- Pin 14 Main Ground – 14 Ga. BK Remote Node Ground "NODE GND"
- Pin 15 Data – 18 Ga. YW Data Wire "DATA" - 60" Pigtail
- Pin 16 Output 1 (5A) – 18 Ga. BL Driver Rear Warning Light 71 "LT 71"



REAR LIGHTING:

REMOTE NODE DATA – 36" PIGTAIL

- 18 Ga. YW Data Wire "DATA" from Node Pin 15

INPUTS – 36" PIGTAILS

- 18 Ga. WH/RD Input 1 "PARK LTS" from Node Pin 10
- 18 Ga. RD/WH Input 2 "REVERSE" from Node Pin 11
- 18 Ga. RD/BK Input 3 "BRAKE" from Node Pin 12
- 18 Ga. WH Input 4 "INPUT 4" from Node Pin 13

SPARE OUTPUT – 36" PIGTAIL

- 18 Ga. WH Spare Output 7 "OUTPUT 7" from Node Pin 3

REAR WARNING LIGHTS

- 18 Ga. BL Driver Rear Warning Light 69 "LT 69" from Node Pin 9
- 18 Ga. BL Driver Rear Warning Light 71 "LT 71" from Node Pin 16
- 18 Ga. BK Driver Rear Warning Lights Ground "LT 69 GND" from Ground Assembly
- 18 Ga. BL Pass. Rear Warning Light 70 "LT 70" from Node Pin 5
- 18 Ga. BL Pass. Rear Warning Light 72 "LT 72" from Node Pin 6
- 18 Ga. BK Pass. Rear Warning Lights Ground "LT 70 GND" from Ground Assembly

TAG LIGHTS

- 18 Ga. OR/BK Driver Tag Light 63 "LT 63" from Node Pin 1
- 18 Ga. OR/BK Driver Tag Light 65 "LT 65" from Node Pin 2
- 18 Ga. BK Driver Tag Lights Ground "LT 63 GND" from Ground Assembly
- 18 Ga. OR/BK Pass. Tag Light 64 "LT 64" from Node Pin 4
- 18 Ga. OR/BK Pass. Tag Light 66 "LT 66" from Node Pin 8
- 18 Ga. BK Pass. Tag Lights Ground "LT 64 GND" from Ground Assembly

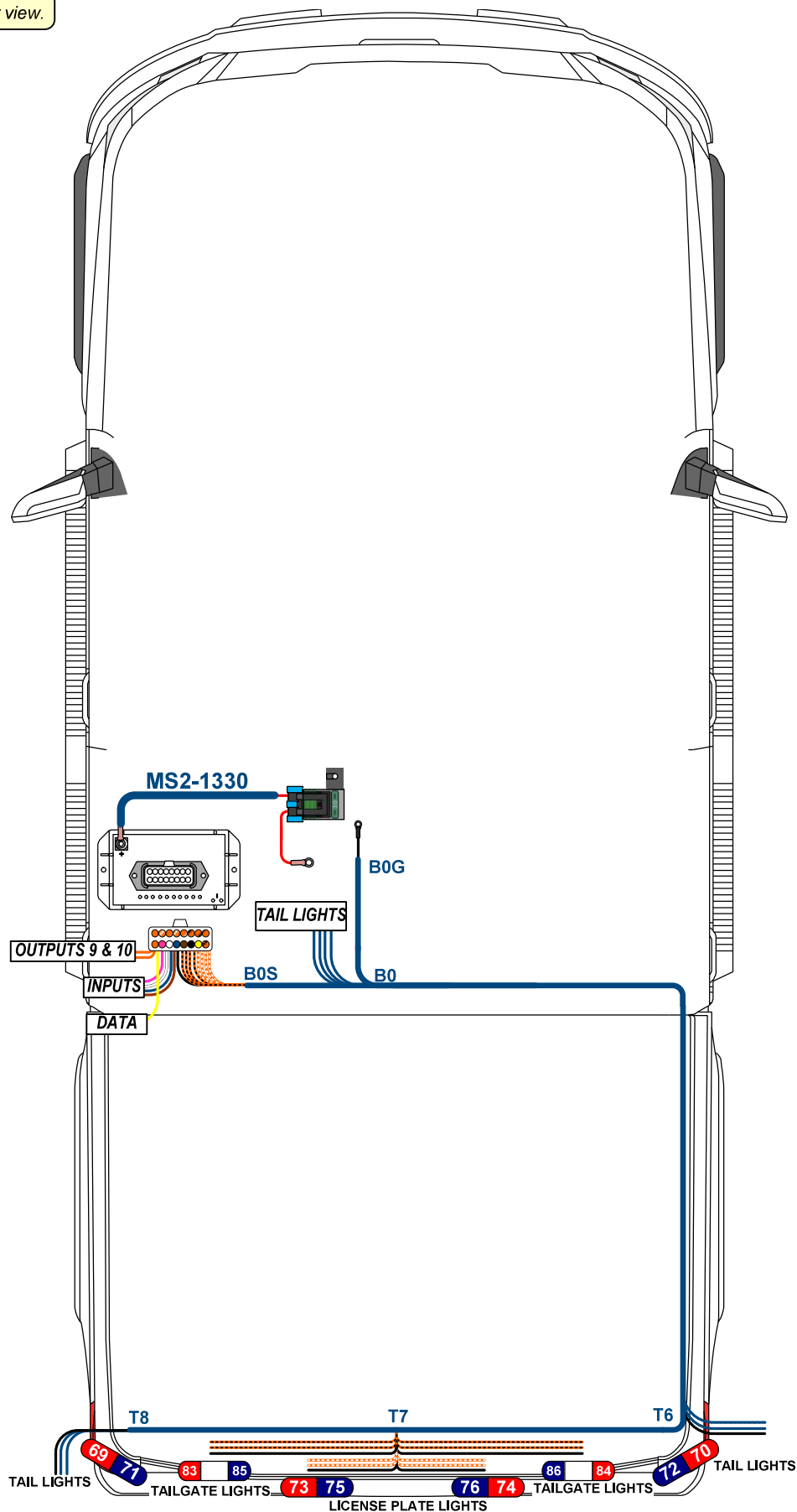
TRUNK LIGHTS

- 18 Ga. OR/WH Driver Trunk Light 75D "LT 75D" from Node Pin 7 Assembly
- 18 Ga. BK Driver Trunk Light Ground "LT 75D GND" from Ground Assembly
- 18 Ga. OR/WH Pass. Trunk Light 75P "LT 75P" from Node Pin 7 Assembly
- 18 Ga. BK Pass. Trunk Light Ground "LT 75P GND" from Ground Assembly

MS-RN-TL6 Rear Truck Lighting Harness for SoundOff Signal 2nd Generation Remote Node

© AFS 2026

Note: Connectors shown in rear view.



PRODUCTS SHOWN ON LAYOUT:

Rear Lighting Harness: MS-RN-TL6
Remote Node Power Cable: MS2-1330

TECHNICAL SUPPORT & SALES CONTACT:

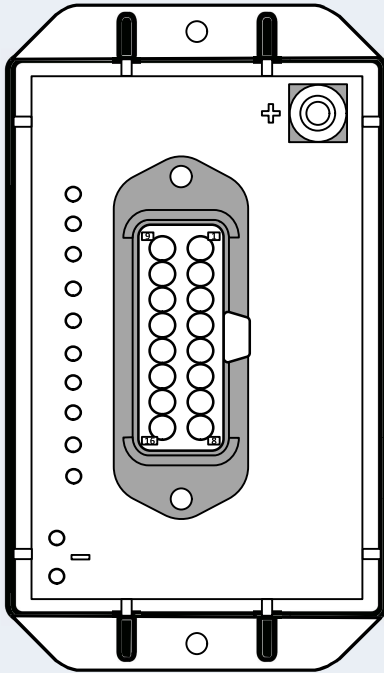
Phone: 844-423-7200

Email: sales@allfleetsolutions.com

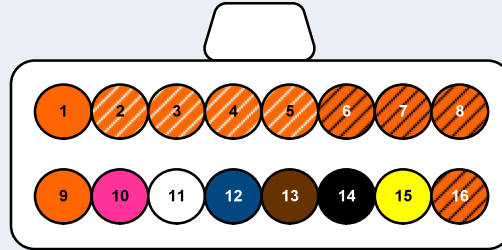
Web: www.allfleetsolutions.com

EDD 073126

ECN 000000



REMOTE NODE
TORQUE SPEC AT
STUDS: 7 ft/lbs



REMOTE NODE CONNECTOR

- Pin 1 Output 9 (10A) – 18 Ga. OR Output 9 "OUTPUT 9" 12" Lead
- Pin 2 Output 8 (5A) – 18 Ga. OR/WH License Plate Light 76 "LT 76"
- Pin 3 Output 7 (10A) – 18 Ga. OR/WH License Plate Light 74 "LT 74"
- Pin 4 Output 6 (5A) – 18 Ga. OR/WH License Plate Light 75 "LT 75"
- Pin 5 Output 5 (5A) – 18 Ga. OR/WH License Plate Light 73 "LT 73"
- Pin 6 Output 4 (10A) – 18 Ga. OR/BK Tailgate Light 86 "LT 86"
- Pin 7 Output 3 (5A) – 18 Ga. OR/BK Tailgate Light 84 "LT 84"
- Pin 8 Output 2 (10A) – 18 Ga. OR/BK Tailgate Light 85 "LT 85"
- Pin 9 Output 10 (10A) – 18 Ga. OR Output 10 "OUTPUT 10" 12" Lead
- Pin 10 Input 1 – 18 Ga. PK Input 1 "INPUT 1" 12" Lead
- Pin 11 Input 2 – 18 Ga. WH Input 2 "INPUT 2" 12" Lead
- Pin 12 Input 3 – 18 Ga. BL Input 3 "INPUT 3" 12" Lead
- Pin 13 Input 4 – 18 Ga. BR Input 4 "INPUT 4" 12" Lead
- Pin 14 Main Ground – 14 Ga. BK Remote Node Ground "NODE GND"
- Pin 15 Data – 18 Ga. YW Data Wire "DATA" Pigtail 16"
- Pin 16 Output 1 (5A) – 18 Ga. OR/BK Tailgate Light 83 "LT 83"

76

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86

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85

83

TRUCK REAR LIGHTING:

TAILGATE LIGHTS

- 18 Ga. OR/BK Tailgate Light 83 "LT 83" from Remote Node Pin 16
- 18 Ga. OR/BK Tailgate Light 85 "LT 85" from Remote Node Pin 8
- 18 Ga. BK Tailgate Lights Ground "LT 83 GND" from Ground Assembly
- 18 Ga. OR/BK Tailgate Light 84 "LT 84" from Remote Node Pin 7
- 18 Ga. OR/BK Tailgate Light 86 "LT 86" from Remote Node Pin 6
- 18 Ga. BK Tailgate Lights Ground "LT 84 GND" from Ground Assembly

LICENSE PLATE LIGHTS

- 18 Ga. OR/WH License Plate Light 73 "LT 73" from Remote Node Pin 5
- 18 Ga. OR/WH License Plate Light 75 "LT 75" from Remote Node Pin 4
- 18 Ga. BK License Plate Lights Ground "LT 73 GND" from Ground Assembly
- 18 Ga. OR/WH License Plate Light 74 "LT 74" from Remote Node Pin 3
- 18 Ga. OR/WH License Plate Light 76 "LT 76" from Remote Node Pin 2
- 18 Ga. BK License Plate Lights Ground "LT 74 GND" from Ground Assembly

TAIL LIGHTS

- 18 Ga. BL Tail Light 69 "LT 69" from CN5 Pin 4
- 18 Ga. BL Tail Light 71 "LT 71" from CN4 Pin 5
- 18 Ga. BK Tail Lights Ground "LT 69 GND" from Ground Assembly
- 18 Ga. BL Tail Light 70 "LT 70" from CN4 Pin 7
- 18 Ga. BL Tail Light 72 "LT 72" from CN4 Pin 4
- 18 Ga. BK Tail Lights Ground "LT 70 GND" from Ground Assembly

SPARE OUTPUT – 12" PIGTAILS

- 18 Ga. OR Remote Node Output 9 "OUTPUT 9" from Remote Node Pin 1
- 18 Ga. OR Remote Node Output 10 "OUTPUT 10" from Remote Node Pin 9

INPUTS – 12" PIGTAILS

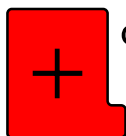
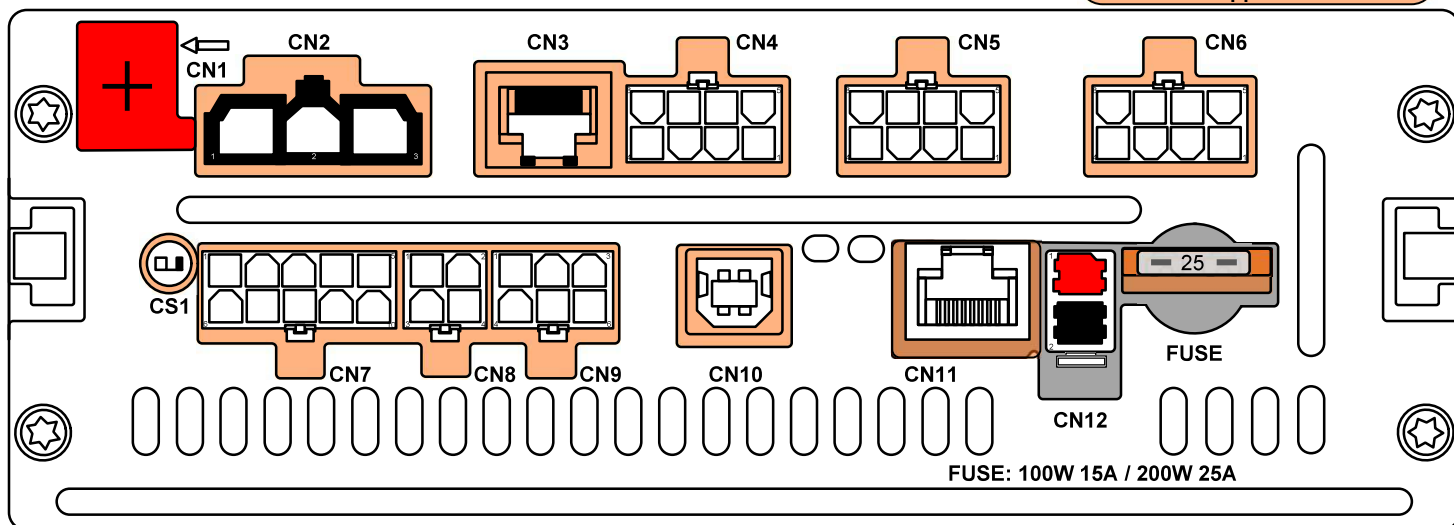
- 18 Ga. PK Remote Node Input 1 "INPUT 1" from Remote Node Pin 10
- 18 Ga. WH Remote Node Input 2 "INPUT 2" from Remote Node Pin 11
- 18 Ga. BL Remote Node Input 3 "INPUT 3" from Remote Node Pin 12
- 18 Ga. BR Remote Node Input 4 "INPUT 4" from Remote Node Pin 13

REMOTE NODE DATA – 16" PIGTAIL

- 18 Ga. YW Remote Node Data "DATA" from Remote Node Pin 15

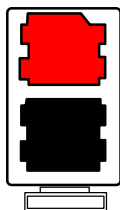
Note: Connectors shown in rear view.

Orange Highlights indicate
Customer Supplied Connectors



CN1 – MAIN POWER

- Pin 1 Power In (75A MAX)
 - 10 Ga. RD 500 Main Power (30A) "POWER 1"
 - 10 Ga. RD 500 Main Power (30A) "POWER 2"



CN12 – SIREN POWER

- Pin 1 Power In (25A) – 12 Ga. RD 500 Siren Amp Power "POWER 3"
- Pin 2 Ground In – 12 Ga. BK 500 Siren Amp Ground "GROUND 3"



Connect To
Ground Stud

TECHNICAL SUPPORT & SALES CONTACT:

Phone: 844-423-7200

Email: sales@allfleetsolutions.com

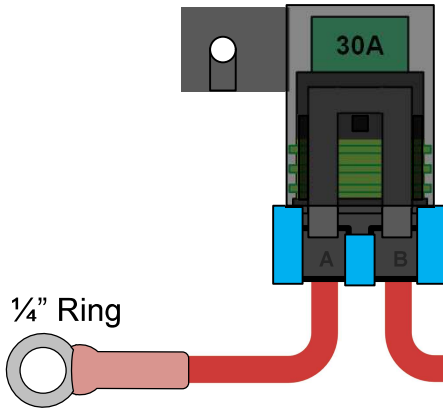
Web: www.allfleetsolutions.com

EDD 073123

ECN 000000

MS2-1330 Power Cable

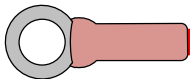
- 10 Ga. Red Power 30A – 36"
- 30 Amp Mini Fuse, Fuse Holder & Cover
- 1/4" Rings at Battery to 5/16" Rings



**1/4" RING TERMINAL
TO BATTERY**

- Torque – 50 in/lbs
- 7/16" Socket

5/16" Ring



**5/16" RING TERMINAL
REMOTE NODE**

- Torque – 7 ft/lbs
- 1/2" Socket

Recommended Applications

- Utilize with Sound-Off Signal Blueprint Remote Node Part # ENGND04102

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EDD 030123

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