

## Three LED Dome Lights Kit

CATALOG NUMBER

**65055**



**LED Dome Light Installed on Roof Bow**

### PRODUCT FEATURES

#### *Three LED Dome Lights on Roof Bows Kit*

- Included in this kit is three (3) LED dome lights, power harness, and roof bow harnesses #1, #2, & #3.
- This kit is ideal for the RAM ProMaster and the RAM ProMaster City.
- There are no OEM options that this product requires. OEM options LCP, LDB, and 22G are not compatible with this product.
- This kit is designed to provide LED lighting to the cargo area of the vehicle.

Model Year Validated:

**2023**

# PURCHASED COMPONENT KEY FEATURES

## DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

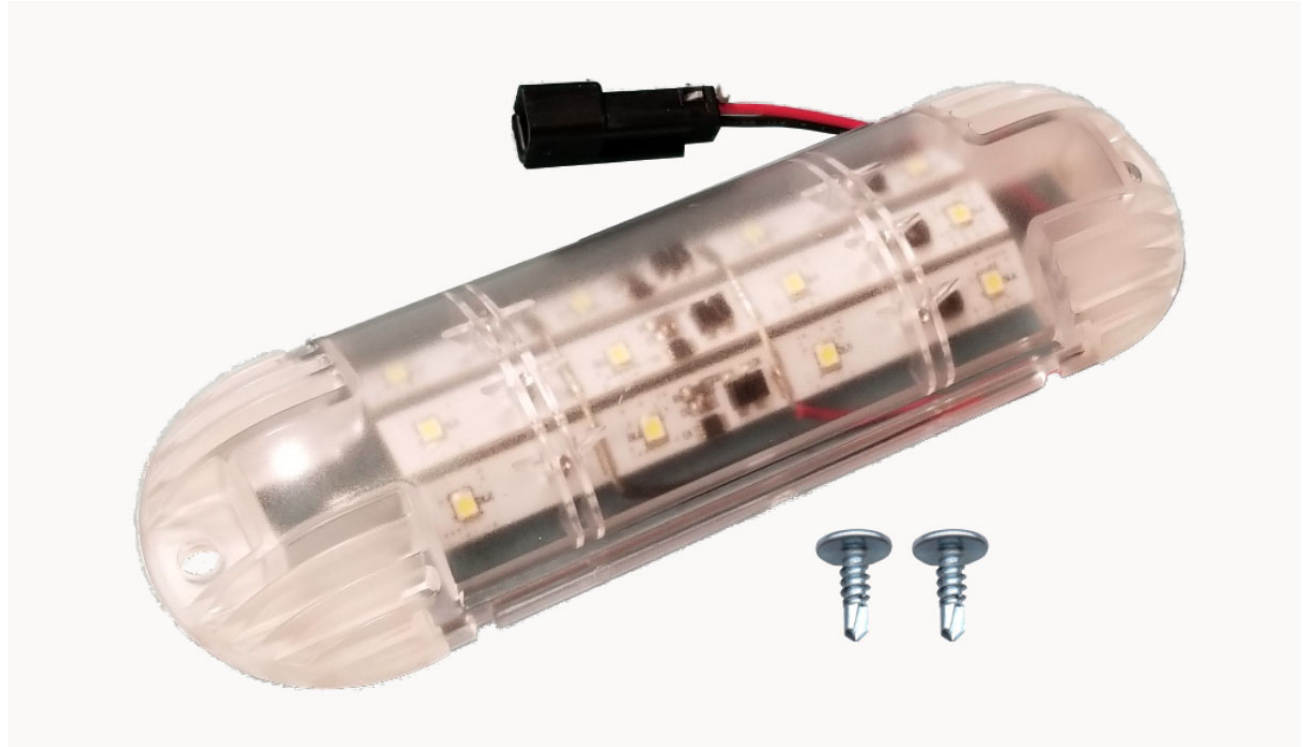
PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

(1) LED LIGHT WITH 12 LED GROUPED IN THREE ROWS

(2) TEK SCREWS INCLUDED



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## TOLERANCES & INSPECTION

UNLESS OTHERWISE SPECIFIED

ALL BEND ANGLES ARE 90 DEGREES

ALL DIMENSIONS ARE IN INCHES.

REFERENCE DIMENSIONS (X.XXX)

DO NOT REQUIRE INSPECTION

FEATURES	HOLES/SLOTS	ANGLES
0.0 ± .125	0.0 ± .062	0° ± 2°
0.00 ± .062	0.00 ± .031	0.0° ± 1°
0.000 ± .031	0.000 ± .015	

Material Thickness: per ASTM Std.  
Weld Callouts per AWS

## RELEASE & REVISIONS

INITIAL ECN: **24359**

CURRENT ECN: **25886**

ECN DESCRIPTION:

**UPDATE SUPPLIER PART #**

REVISED BY: **A. ELLISON**

## PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

**OBERTON ELECTRONICS / ECHOMASTER FLEET SOLUTIONS**

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

**8018-6000 / STL40489-3**

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)  
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

PRINTED DOCUMENT IS UNCONTROLLED

Sheet 1 of 1

## PART / PRODUCT IDENTIFICATION



**ADRIAN STEEL**

ADRIAN STEEL COMPANY  
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

**B**

MAT'L USED: **PURCHASED**

DESIGNED BY: **A. ELLISON**

DESCRIPTION: **MODULE DOME LED LIGHT**

WEIGHT (Lbs.): **.50**

SEGMENT CODE: **EAU**

PART NUMBER: **63480**

# PURCHASED COMPONENT KEY FEATURES

## DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

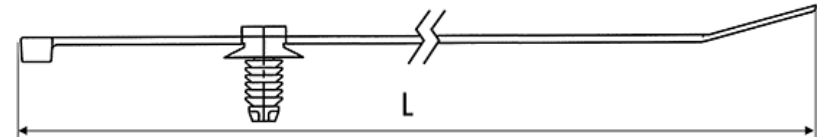
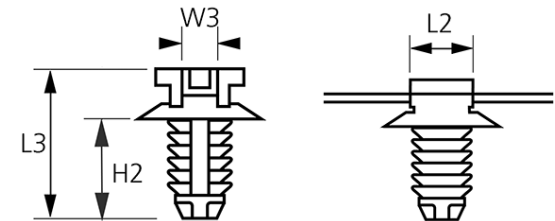
- **Roof Bow #1 (Cargo area, first Roof bow after partition)**
- **(5x) WIRE TIE W/CHRISTMAS TREE**
- **1100mm Length**



P-HARRB1



(5x)



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0.00 = ± .062	0.00 = ± .031	0.0° = ± 1°
0.000 = ± .031	0.000 = ± .015	

Material Thickness: per ASTM Std.  
Weld Callouts per AWS

## RELEASE & REVISIONS

INITIAL ECN: 24359

CURRENT ECN: 24359

ECN DESCRIPTION:

QE8539 RELEASE MODULAR DOME LIGHTING

REVISED BY: MJF

## PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

ECHOMASTER FLEET SOLUTIONS

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

P-HARRB1

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)  
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

YES

## PART / PRODUCT IDENTIFICATION



**ADRIAN STEEL**

ADRIAN STEEL COMPANY  
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

**A**

MAT'L USED: **PURCHASED**

DESIGNED BY: **MJF**

DESCRIPTION:

**ROOF BOW HARNESS #1**

WEIGHT (Lbs.):

.50

SEGMENT CODE: **EAU**

PART NUMBER: **63481**

# PURCHASED COMPONENT KEY FEATURES

## DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

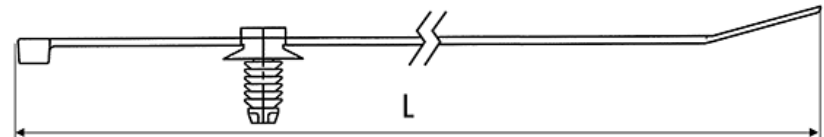
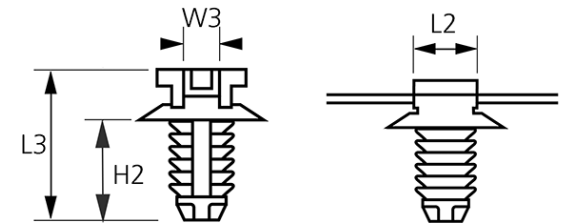
OTHER REQUIREMENTS

- **Roof Bow #2**
- **(5x) WIRE TIE W/CHRISTMAS TREE**
- **1570mm Length**



**P-HARRB2**

**(5x)**



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Material Thickness: per ASTM Std.  
Weld Callouts per AWS

## RELEASE & REVISIONS

INITIAL ECN: 24359

CURRENT ECN: 24359

ECN DESCRIPTION:

**QE8539 RELEASE MODULAR DOME LIGHTING**

REVISED BY: MJF

## PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER  
**ECHOMASTER FLEET SOLUTIONS**

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER  
**P-HARRB2**

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)  
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

**YES**

## PART / PRODUCT IDENTIFICATION



**ADRIAN STEEL**

ADRIAN STEEL COMPANY  
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

**A**

MAT'L USED: **PURCHASED**

DESIGNED BY: **MJF**

DESCRIPTION:

**ROOF BOW HARNESS #2**

WEIGHT (Lbs.):

**.50**

SEGMENT CODE: **EAU**

PART NUMBER: **63482**

# PURCHASED COMPONENT KEY FEATURES

## DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

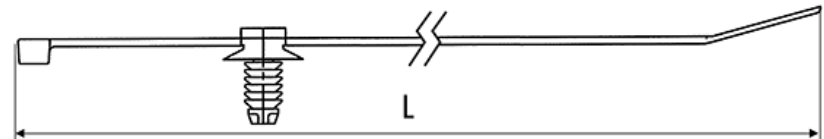
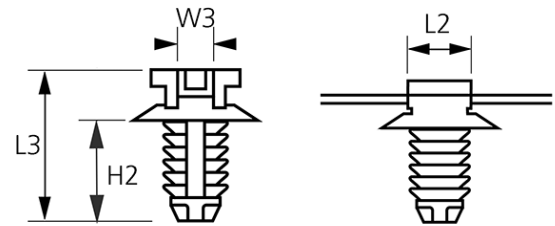
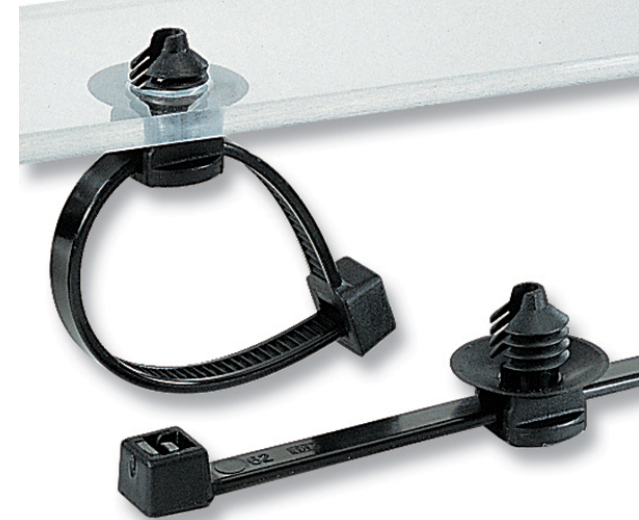
OTHER REQUIREMENTS

- **Roof Bow #3**
- **(5x) WIRE TIE W/CHRISTMAS TREE**
- **2570mm Length**



**P-HARRB3**

**(5x)**



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## TOLERANCES & INSPECTION

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Material Thickness: per ASTM Std.  
Weld Callouts per AWS

## RELEASE & REVISIONS

INITIAL ECN: 24359

CURRENT ECN: 24359

ECN DESCRIPTION:

**QE8539 RELEASE MODULAR DOME LIGHTING**

REVISED BY: MJF

## PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER  
**ECHOMASTER FLEET SOLUTIONS**

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER  
**P-HARRB3**

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)  
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

**YES**

## PART / PRODUCT IDENTIFICATION



**ADRIAN STEEL**

ADRIAN STEEL COMPANY  
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

**A**

MAT'L USED: **PURCHASED**

DESIGNED BY: **MJF**

DESCRIPTION: **ROOF BOW HARNESS #3**

WEIGHT (Lbs.):

**.50**

SEGMENT CODE: **EAU**

PART NUMBER: **63483**

# PURCHASED COMPONENT KEY FEATURES

## DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

**Note: Fits 2018-2021 vehicles.**



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## TOLERANCES & INSPECTION

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FEATURES	HOLES/SLOTS	ANGLES
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0.000 = ± .031	0.000 = ± .015	

Material Thickness: per ASTM Std.  
Weld Callouts per AWS

## RELEASE & REVISIONS

INITIAL ECN: **24870**

CURRENT ECN: **24870**

ECN DESCRIPTION:

**QE8672 Release Module LED Harn PM/PMC**

REVISED BY: **N/A**

# PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

**AAMP**

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

**CL-RPM**

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)  
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

**YES**

## PART / PRODUCT IDENTIFICATION



**ADRIAN STEEL®**

ADRIAN STEEL COMPANY  
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

**A**

MAT'L USED:

DESIGNED BY: **JLT**

DESCRIPTION:

**MODULE LED HARN PM/PMC**

WEIGHT (Lbs.): **.01**

SEGMENT CODE: **ELE**

PART NUMBER: **64856**



CL-RPM

**Wiring Harness for Cargo Lighting  
2015-2022 ProMaster City, 2018-2023 ProMaster, and  
2022 ProMaster 1500 Low Roof**

**INSTALLATION MANUAL**



# Thank you for purchasing the **CL-RPM**

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## Table of Contents

- Page 3** - Tools Required For Installing Additional Accessories
- Page 4** - Ram ProMaster Installation
- Page 7** - Ram ProMaster City Installation
- Page 10 & 11** - Wiring Diagrams

## WHAT'S INCLUDED:

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- Vehicle Specific Wire Harness (CL-RPM)

## COMPATIBLE ACCESSORIES:

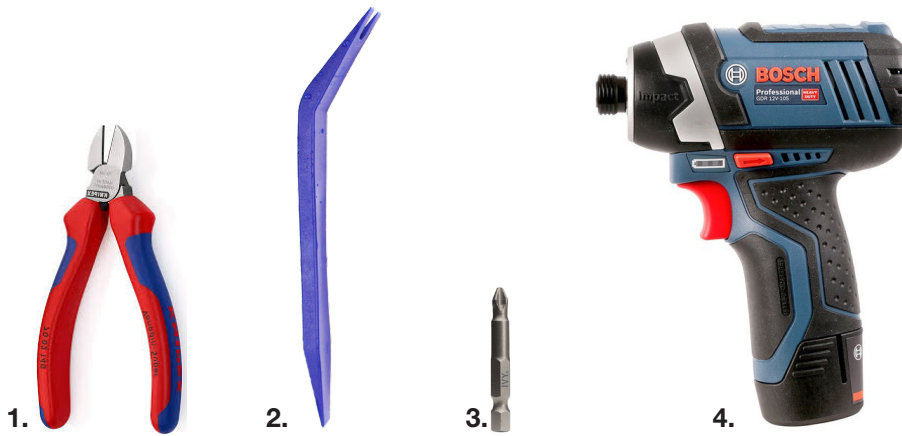
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- LED Dome Lamp (STL40489-2)
- 1100mm Roof Bow Harness (P-HARRB1)
- 1570mm Roof Bow Harness (P-HARRB2)
- 2570mm Roof Bow Harness (P-HARRB3)
- 3470mm Roof Bow Harness (P-HARRB4)
- Adapter Harness (CL-ADP)
  - Note:** Required when installing more than 4 lights in a vehicle



## TOOLS REQUIRED:

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1. Diagonal Cutters
2. Panel Removal Tool
3. Phillips #2 Drill Bit
4. Drill



## STEP 1:

Remove the OEM cargo lamp that is located on the passenger side roof line behind the slider door with a panel removal tool.

### Notes:

- OEM cargo lamp is located above rear doors on **2022 Ram ProMaster 1500 Low Roof**
- The factory light will no longer be used



## STEP 2:

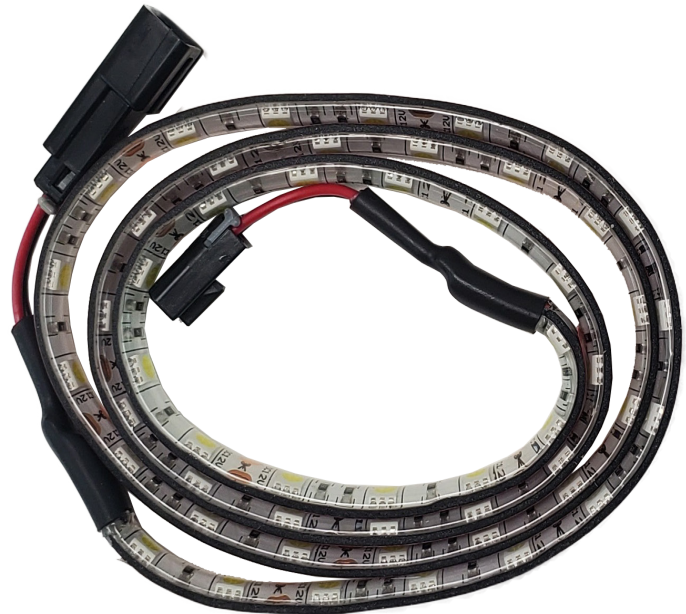
Disconnect the OEM connector from the light and plug it into the CL-RPM harness.



### STEP 3:

Install the STL40489 (or alternate CL-xxBLED) lights onto the center of each roof bow; **leave the light connector exposed**

- Peel the red adhesive liners off and stick the light in place
- Use the provided 3/4" screws to secure the STL40489 light to the roof rib.



## STEP 4:

Connect the appropriate P-HARRBx roof bow harness to each installed light.

- Refer to the diagrams on pages 10 & 11 to confirm proper P-HARRBx for each roof bow
- Use the provided fir tree cable ties to secure the harness to the vehicle's roof bow
- Trim off excess cable tie material after harness is secure



## STEP 5:

Route all P-HARRBx roof bow harnesses alongside the OEM wire harnesses on the passenger side roof line.

- Tuck the harnesses into place; inside vehicle cavities

## STEP 6:

Plug all installed P-HARRBx harnesses into the mating connectors on the CL-RPM harness.

- Confirm all installed lights are operational



## STEP 1:

Remove the OEM cargo lamp that is located on the passenger side roof line behind the slider door with a panel removal tool

Note: The factory light will no longer be used



## STEP 2:

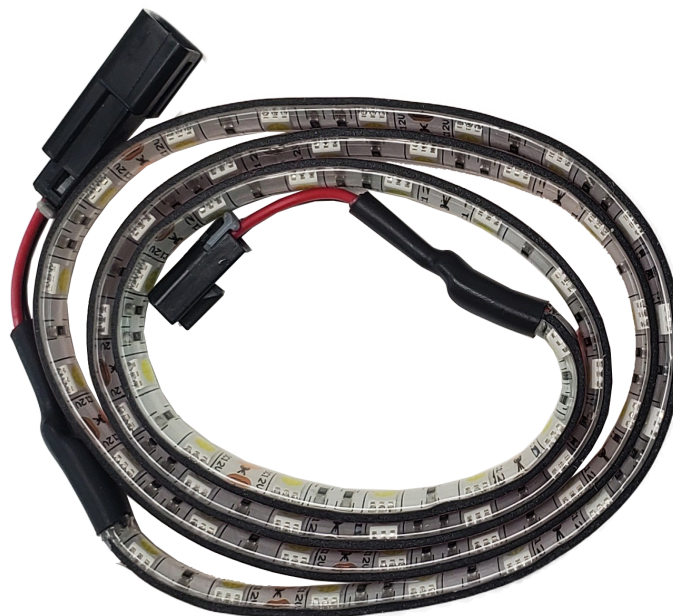
Disconnect the OEM connector from the light and plug it into the CL-RPM Harness



### STEP 3:

Install the STL40489 (or alternate CL-xxBLED) lights onto the center of each roof bow; **leave the light connector exposed**

- Peel the red adhesive liners off and stick the light in place
- Use the provided 3/4" screws to secure the STL40489 light to the roof rib.



## STEP 4:

Connect the appropriate P-HARRBx roof bow harness to each installed light.

- Refer to the diagram on page 10 to confirm proper P-HARRBx for each roof bow
- Use the provided fir tree cable ties to secure the harness to the vehicle's roof bow
- Trim off excess cable tie material after harness is secure



## STEP 5:

Route all P-HARRBx roof bow harnesses alongside the OEM wire harnesses on the passenger side roof line.

- Tuck the harnesses into place; inside vehicle cavities

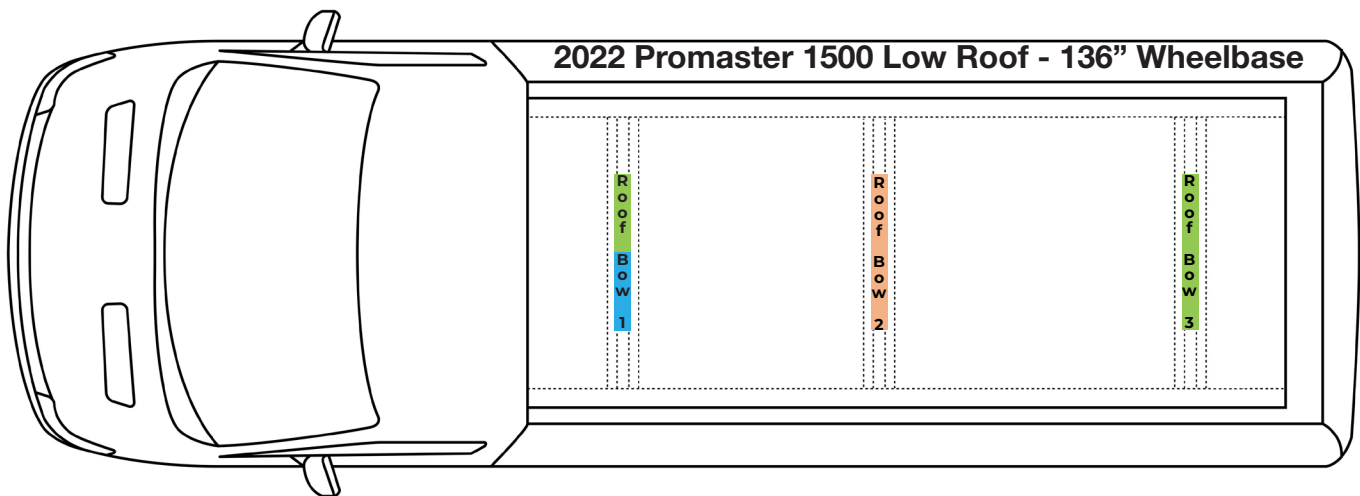
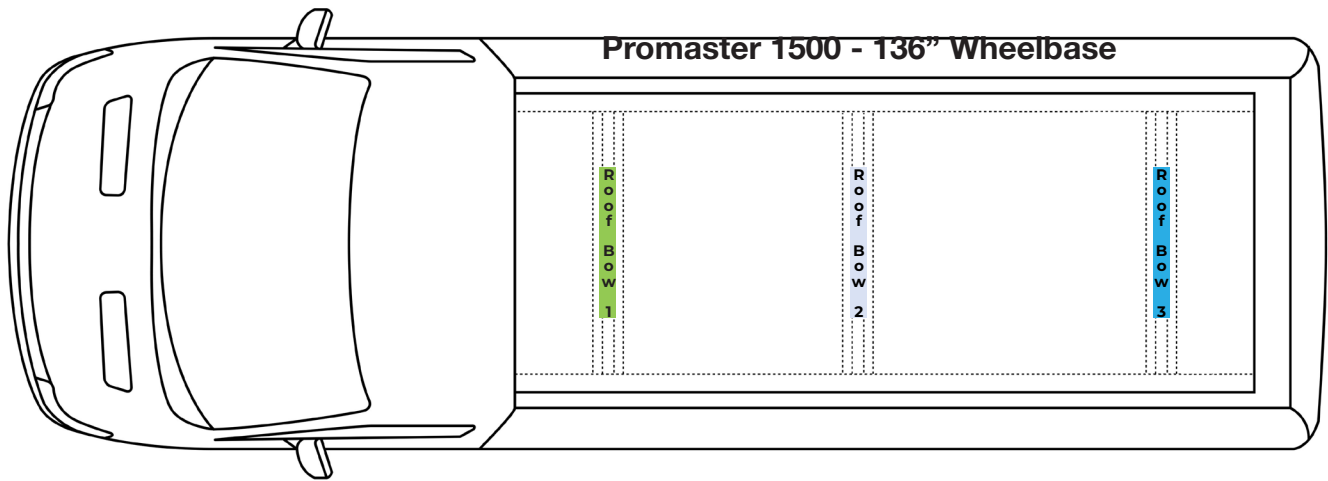
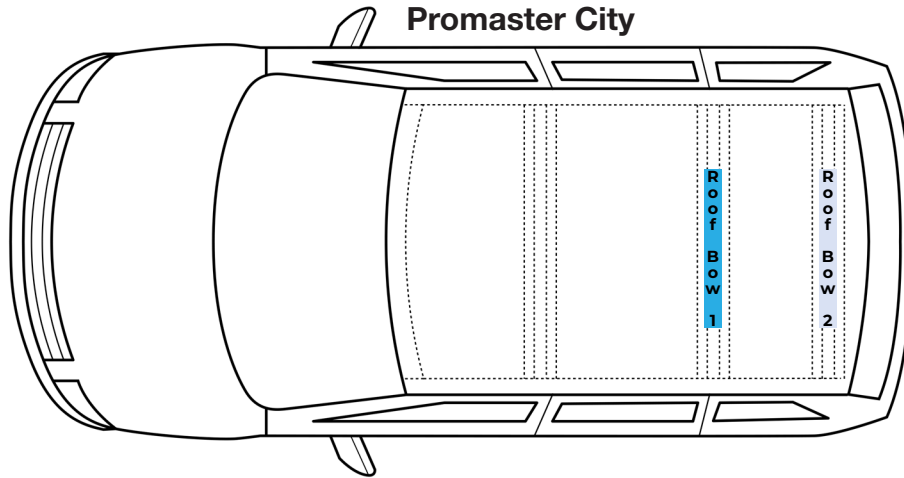
## STEP 6:

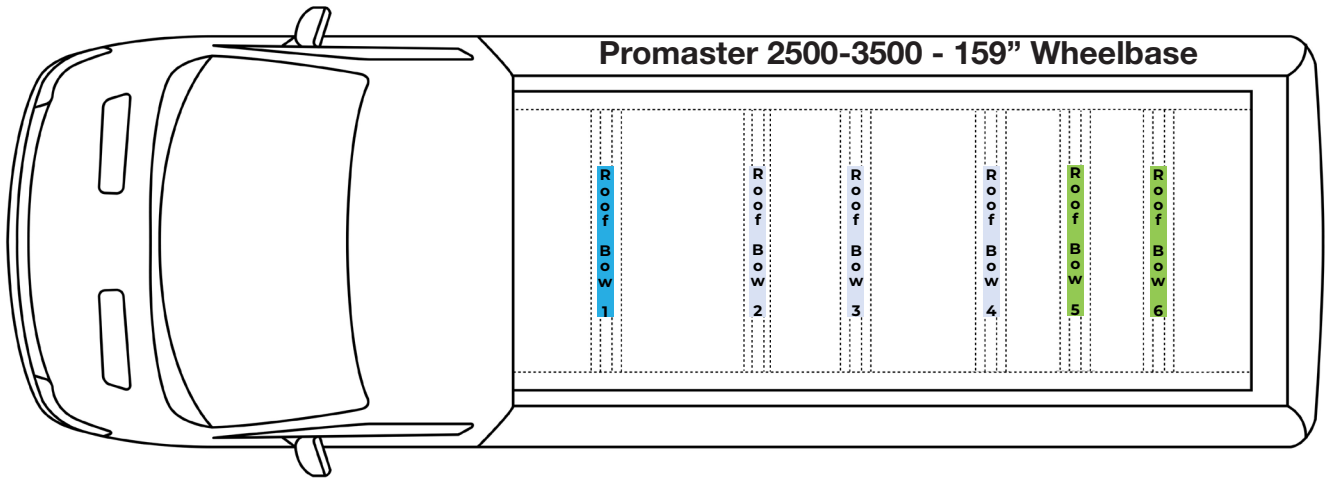
Plug all installed P-HARRBx harnesses into the mating connectors on the CL-RPM harness.

- Confirm all installed lights are operational



Vehicle	Roof Bow 1	Roof Bow 2	Roof Bow 3	Roof Bow 4	Roof Bow 5	Roof Bow 6
Promaster City	P-HARRB2	P-HARRB1	N/A	N/A	N/A	N/A
Promaster 1500 136" WB	P-HARRB3	P-HARRB1	P-HARRB2	N/A	N/A	N/A
Promaster 1500 136" WB (2022)	P-HARRB3 + P-HARRB2	P-HARRB4	P-HARRB3			
Promaster 2500-3500 159" WB	P-HARRB2	P-HARRB1	P-HARRB1	P-HARRB1	P-HARRB3	P-HARRB3







Phone – 866-931-8021 (option 3)

E-Mail – [support@echomasterfleetsolutions.com](mailto:support@echomasterfleetsolutions.com)



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