Introduction / Comments:

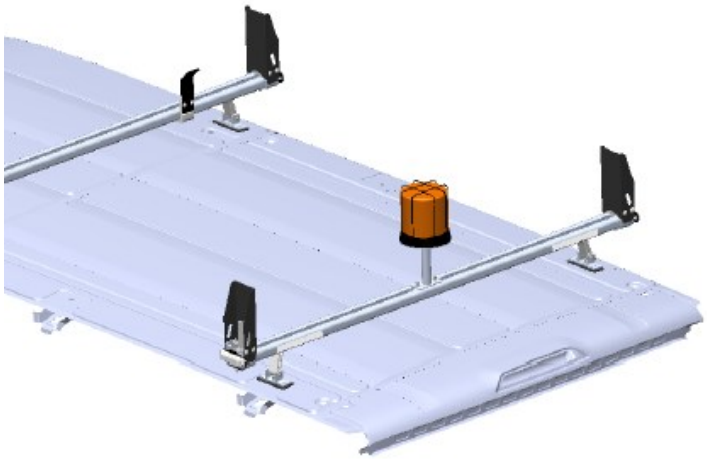
Install Instructions For Exterior Plug & Play Lights For Promaster City

Note:

Read all instructions prior to installation. Review the Adrian Steel **GENERAL PRECAUTIONS PAGES (56638**) before attempting installation. Only personnel familiar with using electrical best practices should perform this install. Reference **ELECTRICAL BEST PRACTICES MANUAL (54479)** before attempting installation.







Installation Instructions For Exterior Plug And Play Lights For Promaster City

Table of Contents:

Torque requirements……...2

Best Practice for Routing Through the Firewall……..3

Introduction Statement……..……4

Overall Harness Diagram……..4

Tools needed……...4

Harnesses/Components Needed (If Applicable)……5

Component Placements……6

Overall Harness Routing……7

Beginning Install……..8

Strobe Installation Instructions……..10

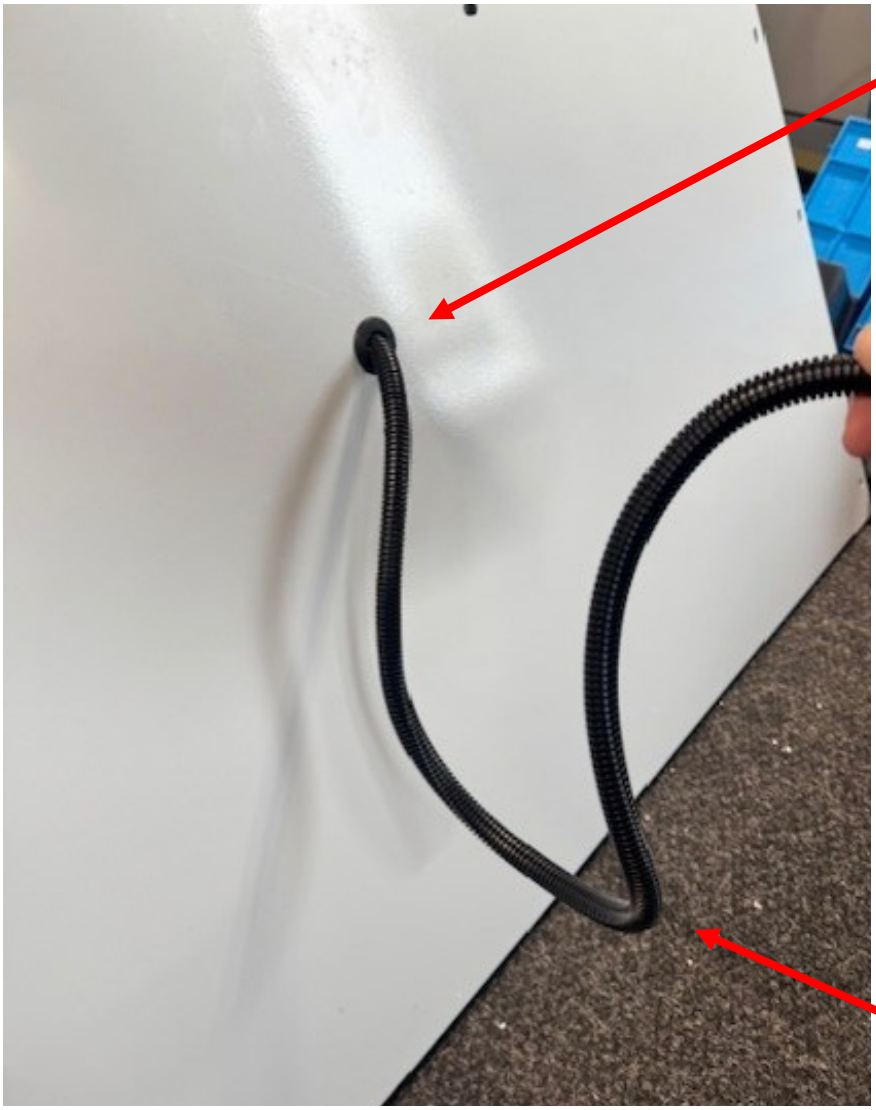
Beacon Installation Instructions……..……...…14

*****TORQUE*****
Torque all strobe fasteners to 10 in-lbs.
DO NOT OVER TIGHTEN

DO NOT MOUNT ON A CURVED SURFACE

Best Practices to Follow when Routing Through Firewall:

- Create a drip loop with the harness being routed through the firewall as shown so that the water does not flow into the grommet.
- Make sure that the proper grommet for the hole being routed through is used so that there are no openings for water to get through.
- Use silicone after routing and apply around the grommet and wire to seal it. Make sure to let the silicone dry for 30 minutes to an hour.



Please read statement below before moving forward

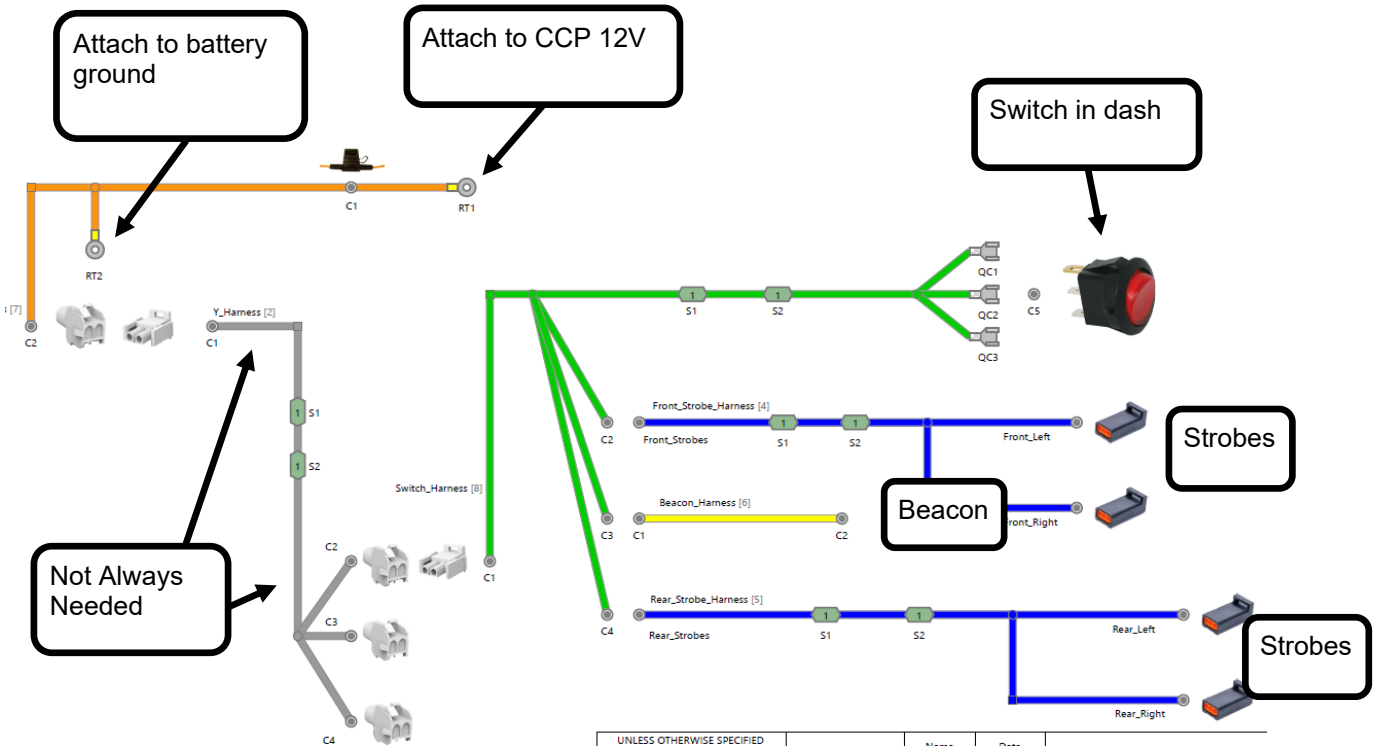
Before installation, disconnect the OEM negative battery cable.

These plug and play kits are completely modular and can be configured in many different ways. Placement of lights will be determined by sales order drawings/customer ask. Therefore, these instructions are for the most standard configurations, and for reference only.

Please reference the order drawing and spec sheet to see what components are going to be installed on this particular upfit.

These installation instructions are for most cases and for reference. Not all installs will have strobes, beacons, and lightbars. Reference the instructions for only what you are installing.

Overall Harness Diagram



Tools required:



13mm deep well socket



Phillips bit, 1/2” drill bit and 5/16” step drill bit



Power drill and impact

Torque wrench

Components



	Part Number	Description
1	67092	Power Harness #1
2	67097	Switch Harness #1
3	67102	Front Strobe Harness #2 (If Applicable)
4	67107	Rear Strobe Harness #2 (If Applicable)
5	67112 or 67113	Beacon/Lightbar Harness #2 or #3 (If Applicable)
6	67686 or 67687	Strobes (If Applicable)
7	67689 or 67690	Beacons (If Applicable
8	51545	Beacon Ladder rack Mount (If Applicable)
9	50368	Beacon Cage

The purpose of plug and play lighting is to be completely modular. Due to this feature, refer to the order drawing for all exact lighting placements. These installation instructions are for most cases and for reference. Not all installs will have strobes, beacons, and lightbars. Reference the instructions for only what you are installing.

Harness pictures are for reference only.

Placements

Switch placement: On Dash Trim Panel

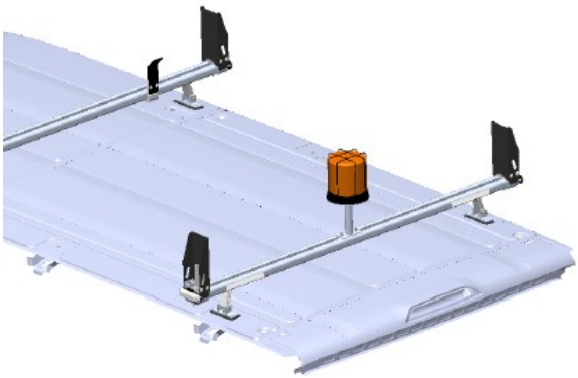


Front Strobes: Front Bumper



*****TORQUE STROBES TO 10-IN-LB'S MAXIMUM*****

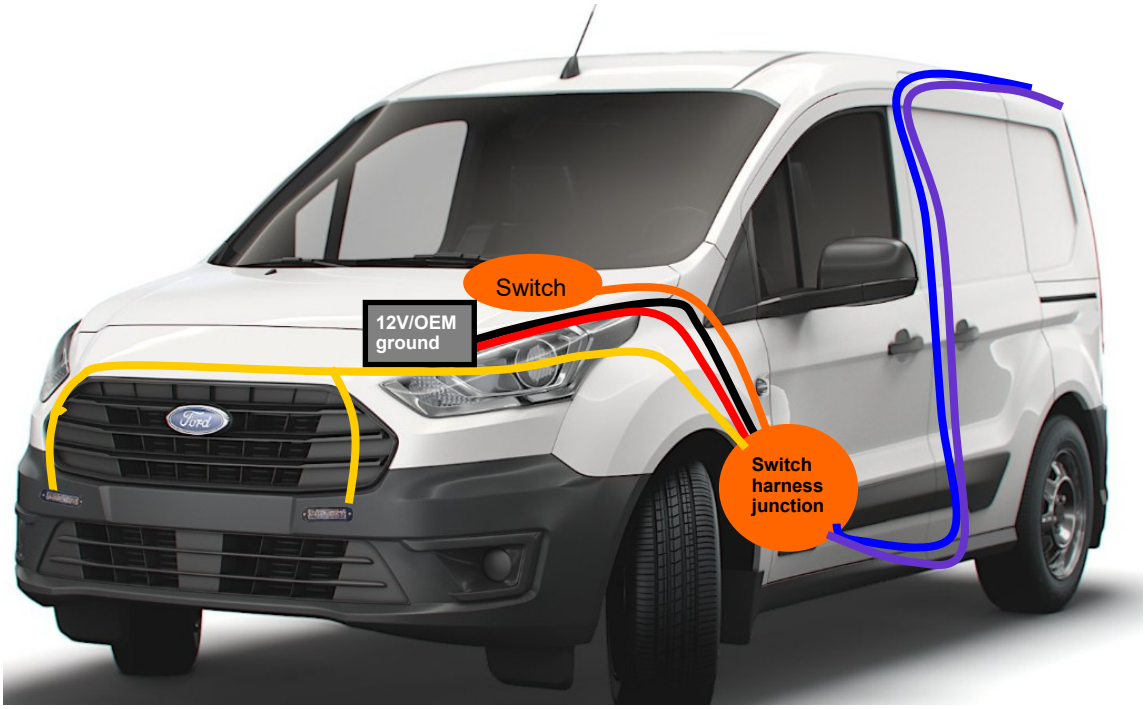
Beacon or Lightbar: On Ladder Rack

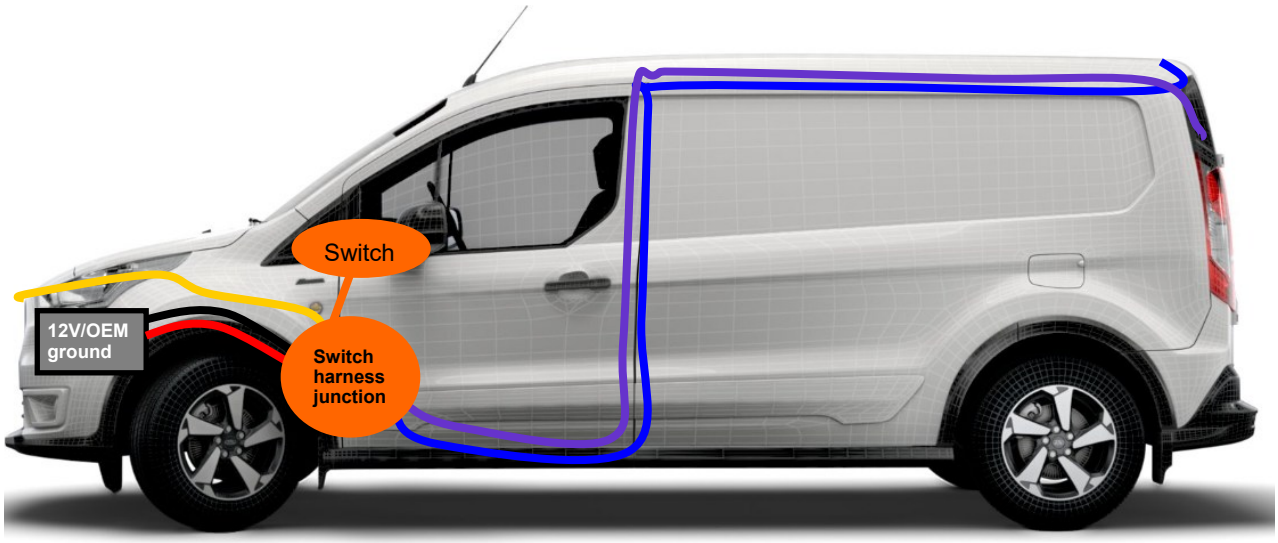


Rear Strobes: Above Rear Tail-lights



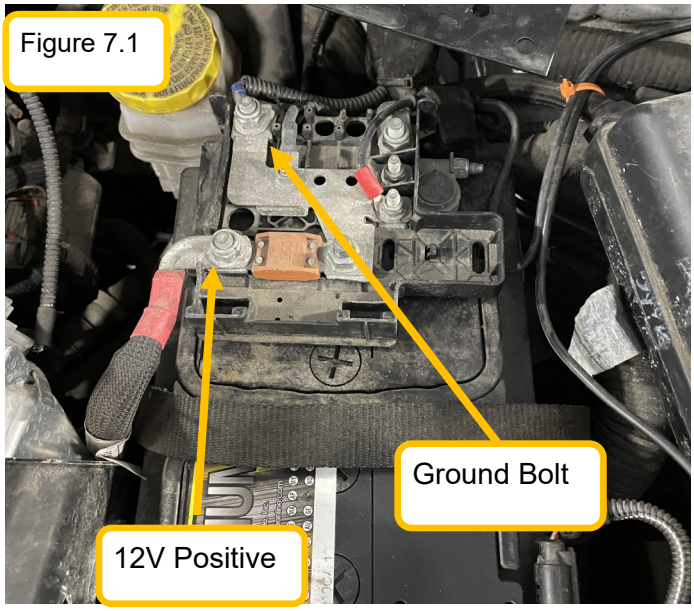
Routing Overview

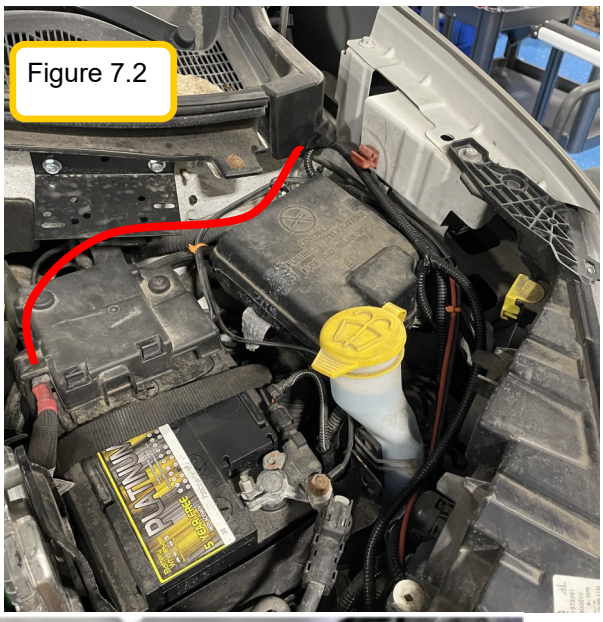


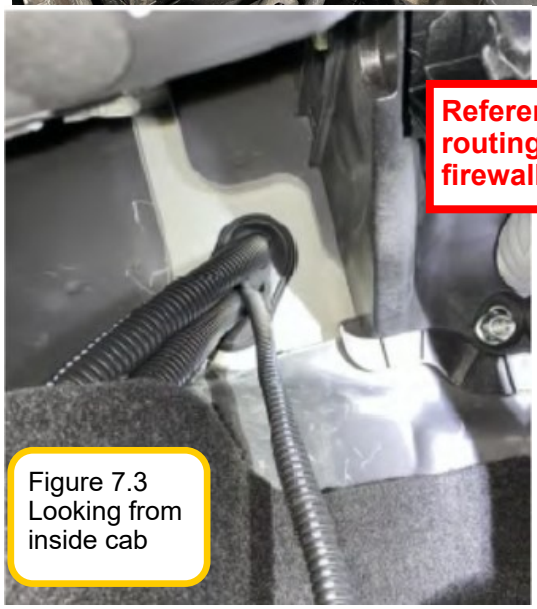


Color	Key - Items
Yellow	Strobes - Front strobe harness
Red/Black	Power harness: Battery to kick panel
Orange	Switch harness: Switch in dash
Blue	Beacon harness: Switch to beacon
Purple	Strobes - Rear strobe harness









Step 1: Locate the power harness #67092.

Remove the fuse from the inline fuse holder until he end of the install

Under the hood: Locate the OEM battery. Remove the cover to expose the terminals Figure 7.1.

Step 2:
Attach the red wire with the ring terminal to the 12V positive post.

Attach the black wire with the ring terminal to the OEM ground post.

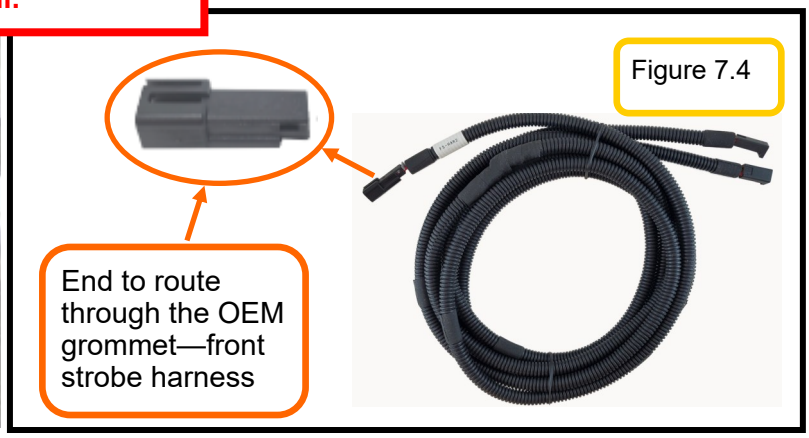
Route the white connector end towards the cab and locate the OEM grommet (to the cab). It's best seen looking from the cab area under the steering wheel. Figure 7.2 and 7.3. Secure with zip ties. Routing shown in red.

Step 3:
Cut/drill a hole in the grommet to route the power harness through. Make sure to make a drip loop with the harness.

****If you are installing strobes on this install route the strobe harness interior connector in through the grommet at this time as well. Refer to page 9 for routing strobe instructions.**
Figure 7.4 for connector reference.

Silicone the grommet holes/wiring once all harnesses have been routed through.

Reference Pg. 3 for routing through the firewall.



Power harness

Switch Harness



Figure 8.1



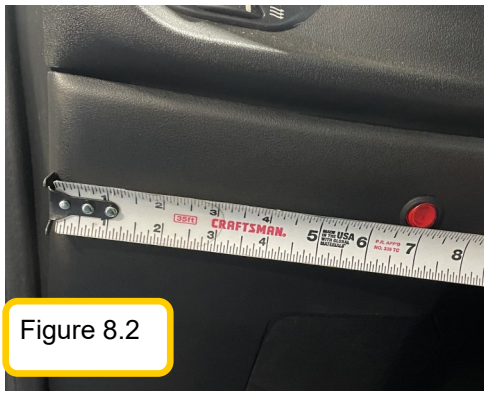


Figure 8.2

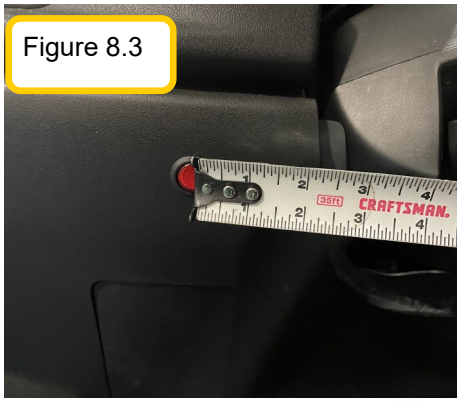


Figure 8.3



Step 4: Locate the switch harness #67097

Connect the switch harness connector to the power harness in the kick panel area.

Step 5: Disassemble the knee bolster trim panel.

If there is NOT inverter with this install; Drill a hole 1.5” down measured from the edge of the trim panel (Figure 8.1) and 7” from the left trim edge (Figure 8.2) (Or measured 2.25” to the right edge: figure 8.3.) A hole diameter of 3/4” (19mm) is necessary to install the snap in switch (do not insert switch yet). Be sure the area behind the trim panel is clear before drilling.

If there is an inverter with this install, Move the switch to the right as needed.

Route the switch end of the switch harness up underneath the trim panel, through the switch hole. AVOID MOVING/ROTATING OBJECTS. Secure with zip ties.

Step 6: Connect the ground spade to the gold pin on the rocker switch

Connect the white battery power spade to the opposite terminal on the switch.

Connect the red spade to the middle pin.

Insert the switch into the hole and place the strobe/beacon decal (if supplied) around the switch.
Reassemble all trim and secure wiring.
Figure 8.4.

Figure 8.4



Strobe Install—If Applicable

Strobe pictures are for reference only. Please refer to product structure/spec sheets for the actual strobes for the install.

Figure 9.1



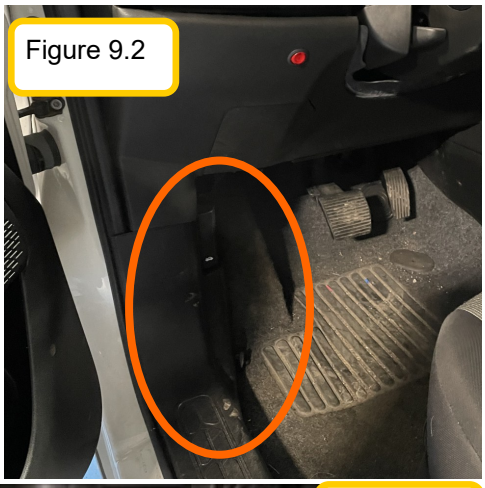
Step 1: (If you are installing a beacon, follow these routing steps with the beacon harness)

Locate the rear strobe harness #67107.

Connect the rear strobe harness to the switch harness (one of the remaining unused connectors) in the driver's foot well. Figure 9.1.

Step 2:
Locate the driver's side door sill area.
Figure 9.2.

Figure 9.2



Carefully remove the trim around the hood release handle by using a trim tool and removing the retraining screw underneath. Then remove the foot sill trim. Figures 9.3, 9.4, and 9.5.

Continue routing the harness down to the floor, under the sill trim, rearward to the partition.
See figure 9.6 for the routing path.

Re-insert trim that was pulled up after routing.

Figure 9.3



Figure 9.4

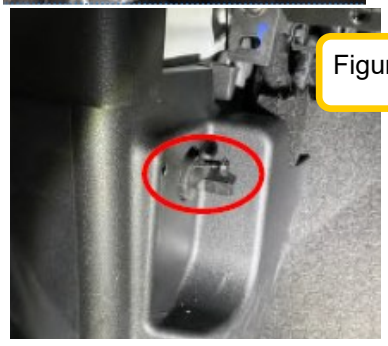


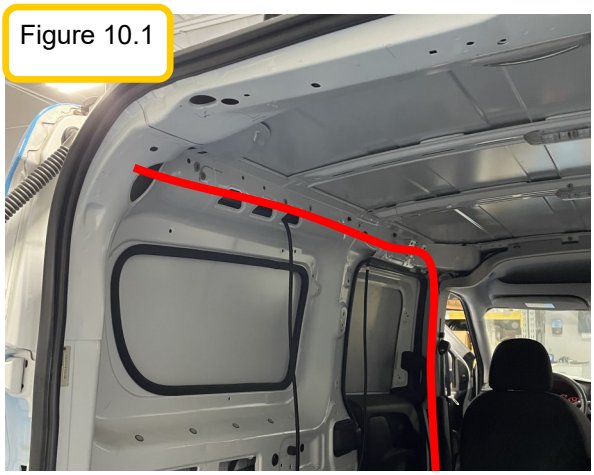
Figure 9.5



Figure 9.6



Figure 10.1



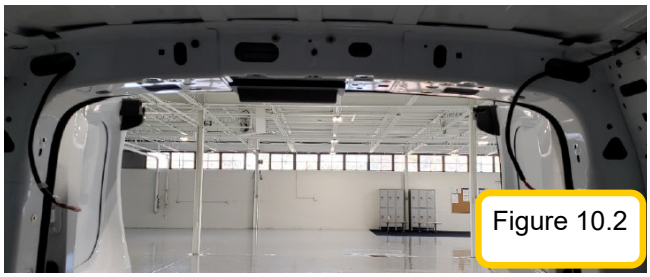


Figure 10.2

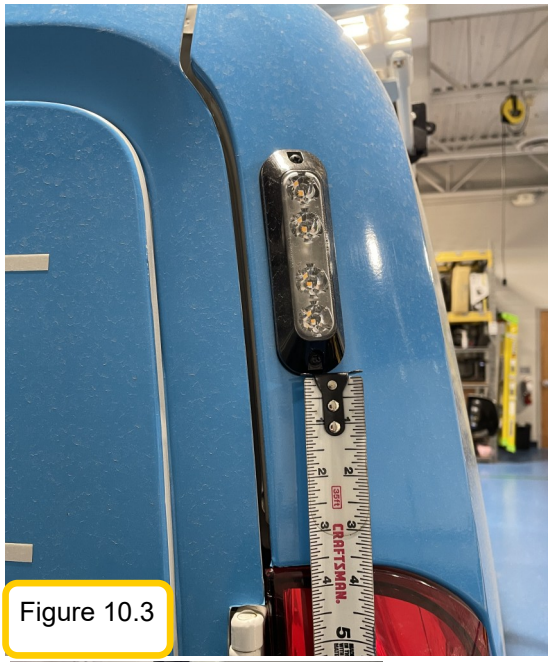


Figure 10.3

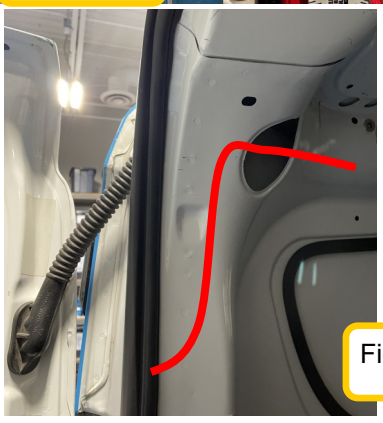


Figure 10.4

Step 3: Routing (Refer to routing diagrams at the beginning of the instructions)

Route the strobe harness up the backside of the partition, through the roof channels, and rearward following the OEM harness. Figure 10.1.
The strobe connections will be made in the D -pillar channels, so route the harness across the rear doors like shown in figure 10.2.
Route the strobe connector ends through the D-pillar channel after the holes have been drilled.

Step 4: Mounting Strobes
Locate the rear side doors (outside of van).

Use the strobe as a template to mark your needed holes. Place the strobe 3.75” above the brake light like shown in figure 10.3.

Drill a 7/16” hole in the van body for the wire pass through (center of strobe) and insert the provided grommet (65130).
Do this for both sides.

Step 5: Tape up the non-needed blue or yellow wire on the strobe.

Route the strobe harness down the D-pillar and make the strobe connections. Figure 10.4.

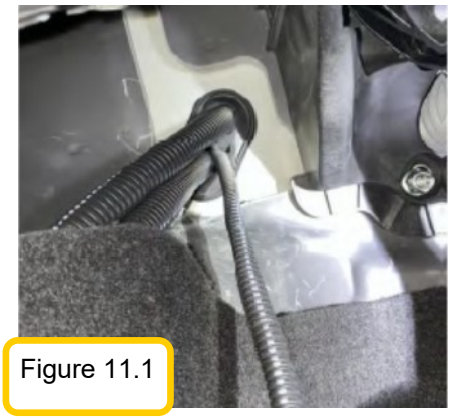
Do this for both sides. Use a small amount of silicone to seal the wiring.

Use a small drill bit to pilot the strobe mounting holes.

Place the strobes in their desired locations and fasten them onto the bumper with the supplied screws.
Figure 10.4.

*****TORQUE STROBES TO 10-IN-LB’S MAXIMUM*****

Repeat for the other side strobe.





Inside vehicle connector

Figure 11.1

Step 5: Locate the front strobe harness #67102.

Start by routing the inside connector end of the harness to the firewall. This should be already routed through the grommet with the power harness and siliconed. If this is not done, please do this now. Refer to page 7 on the grommet and silicone needed.
Figures 11.1 and 11.2.



Figure 11.2

End to route through the OEM grommet—front strobe harness

Connect the strobe harness to one of the un-used connectors on the switch harness.
Figure 11.3.

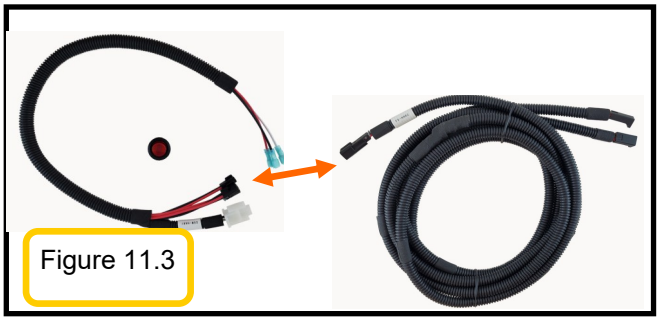


Figure 11.3

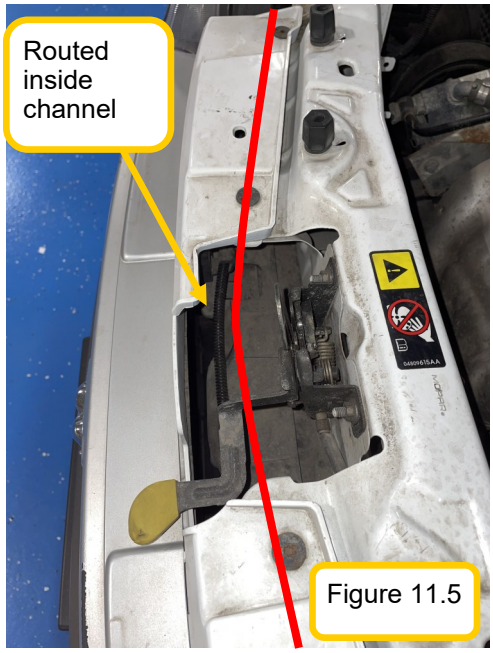
Step 6: Route the strobe connector ends to the each of the strobes.
Strobe placements figure 11.4.
Routing diagram figure 11.5.

Secure wiring with zip ties.

Be sure not to secure or route the harness anywhere near moving or hot objects.



Figure 11.4



Routed inside channel

Figure 11.5

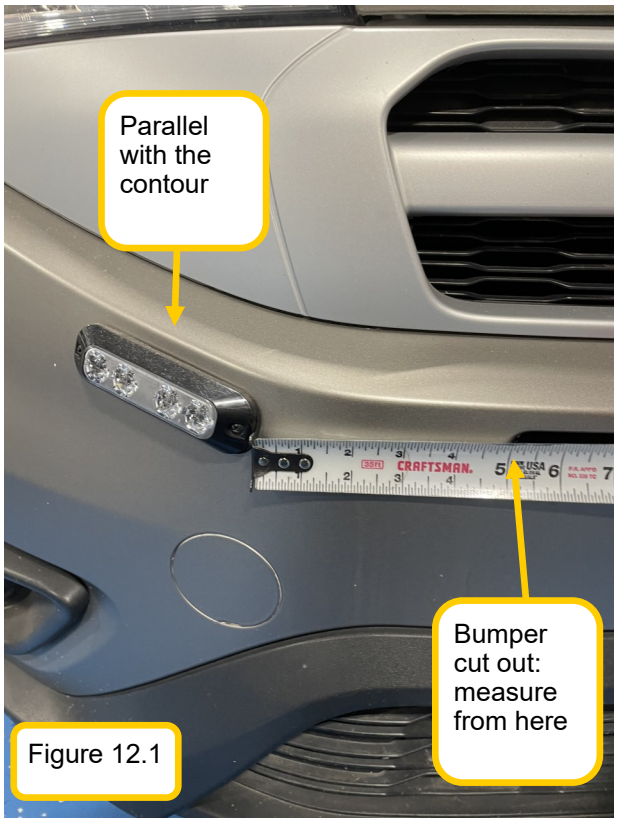


Figure 12.1

Step 7: Mounting Front Strobes
Locate the van front grill, passenger side.

Measure 5” left from the bumper cut out and place the strobe. Orientate the strobe so that is it parallel with the bumper contour as seen in figure 12.1.

Use the strobe as a template, mark the center hole location on the panel (for routing the wires through).

Drill a 7/16” hole for the wire pass through on the strobe.

Do this now for the driver’s side.

Route the strobe harness connectors through the holes.

Connect the strobe to the strobe harness and tape up the non-needed blue or yellow wire.

Only silicone the hole the holes on the inside of the vehicle.
DO NOT SILI-CONE ON THE OUTSIDE OF THE VEHICLE.


Figure 12.2

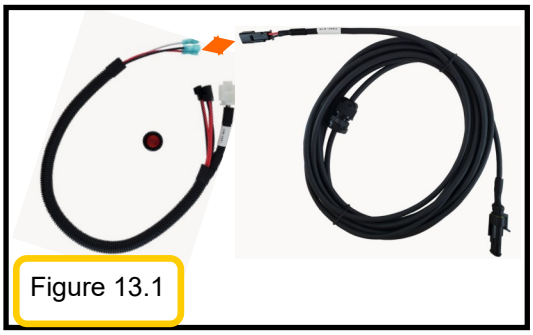
Place the strobes in their desired locations and fasten them onto the grill with the strobe light supplied screws. Drill pilot holes for an easier installation.
Figure 12.2.

*****TORQUE STROBES TO 10-IN-LB’S MAXIMUM*****

Repeat for the other side strobe.

Beacon Install—If Applicable

Beacon and mount pictures are for reference only. Please refer to product structure/spec sheets for the actual beacon/lightbar/mount for the install.


Figure 13.1

Step 1: Routing (Refer to routing diagrams at the beginning of the instructions)
Locate the beacon harness # 67112 or 67113.

Connect the harness to the switch harness (one of the remaining unused connectors) in the driver's foot well.
Figure 13.1.


Figure 13.2

Step 2:
Locate the driver's side door sill area.
Figure 13.2.

Carefully remove the trim around the hood release handle by using a trim tool and removing the retraining screw underneath. Then remove the foot sill trim.
Figures 13.3, 13.4, and 13.5.

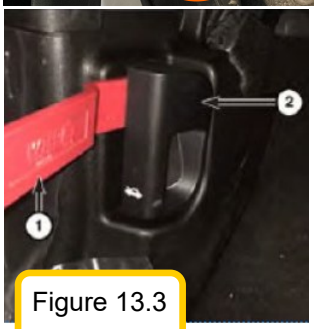
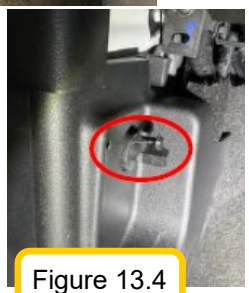


Figure 13.3


Figure 13.4

Continue routing the harness down to the floor, under the sill trim, rearward to the partition.
See figure 13.5 for the routing path.

Re-insert trim that was pulled up after routing.

Route the strobe harness up the backside of the partition, through the roof channels, and rearward following the OEM harness. Figure 13.7.

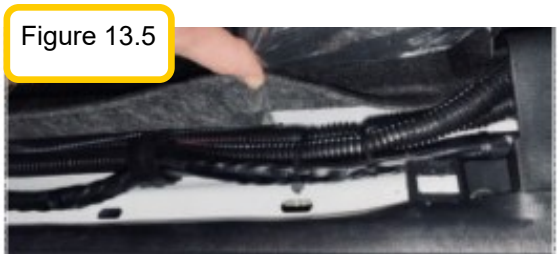
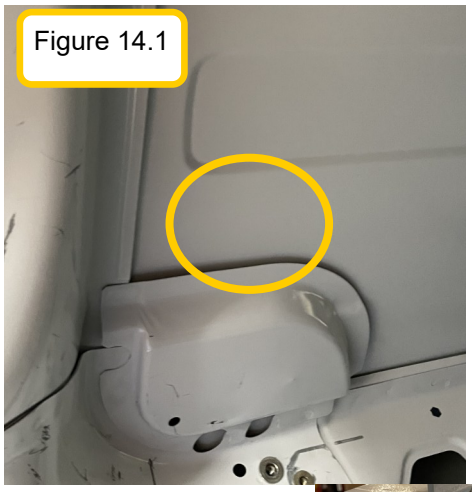

Figure 13.5


Figure 13.6


Figure 13.7

Figure 14.1



For ladder rack mounted beacon:
Step 1: Locate the read driver's side D-pillar roof area. Center and mark a spot for the cable gland hole for the beacon harness. See Figure 14.1 yellow circle for hole reference. Be sure hole will not interfere with the ladder rack foot. You want to be around 1" away from the foot. Figure 14.2.

Drill a 5/8" (to fit the cable gland on the beacon harness) in the center for the wire pass through.

Route the beacon wire harness through the hole and insert the cable gland. Tighten the cable gland.
Secure with zip-ties.

Figure 14.2

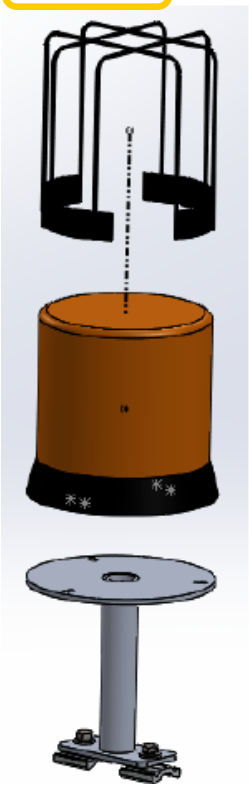


Step 2: Refer to next page if beacon does not have a connector on the wire ends. Locate the beacon, beacon cage, and mount.

Run the beacon wires through the tube of the mount before mounting.

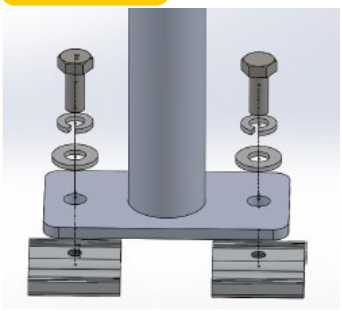
Use the provided nut, screw, and washer to mount the cage and beacon to the mount. Figure 14.3.

Figure 14.3



Assemble the beacon mount feet by inserting the bolt (FAS0799) through the lock washer (FAS0588) then flat washer (FAS0552) then through the foot into the slide. Do not tighten down at this point.
Figure 14.4.

Figure 14.4



Step 3: Connect the beacon harness to the beacon now. You will need to remove the cab on the beacon harness. Tape up the un-needed yellow wire. Tuck the connector part of the harnesses up into the tube for easier routing.

Slide the beacon/mount to the center of the rail. Be cautious of the wire sliding through the rail. Figure 14.5.

Tighten the bolts once you have positioned the beacon. Figure 14.6.

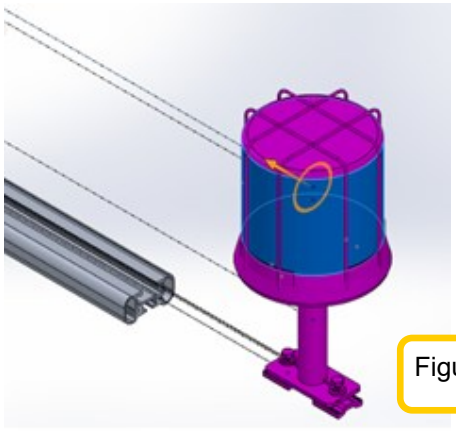


Figure 14.5

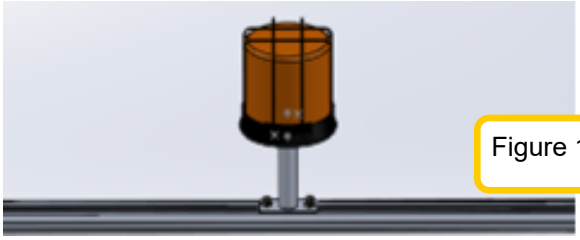


Figure 14.6

Figure 15.1



Figure 15.2



Figure 15.3

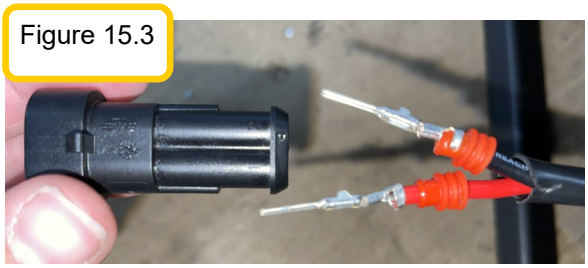


Figure 15.4



Figure 15.5



Figure 15.6

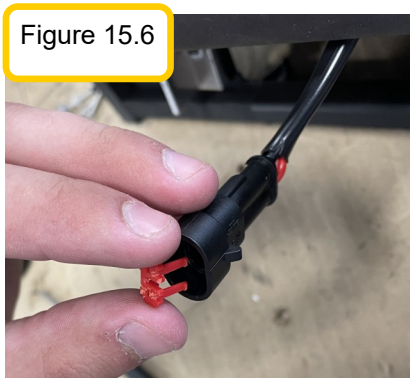


Figure 15.7



For beacon's without the connectors:

Locate the connector housing inside the lightbar/beacon box. Figure 15.1.

Note if it has a red insert inside the connector or not. Refer to figure 15.2 for red insert inside the connector.

Insert the lightbar wire terminals into the connector. **See steps below:**

In these steps be very careful to place the terminals into the correct side of the connector.

Line the red wire terminal up with cavity #1 and the black wire terminal up with cavity #2. Figure 15.3.

Note the connector has a "1" and a "2" noted on the connector (circled in red). Figure 15.4. The red wire will be inserted into the #1 cavity of the connector. The black wire will be inserted into the #2 cavity on the connector.

Be sure to align the terminal prongs up with the inside of the connector pin outs.

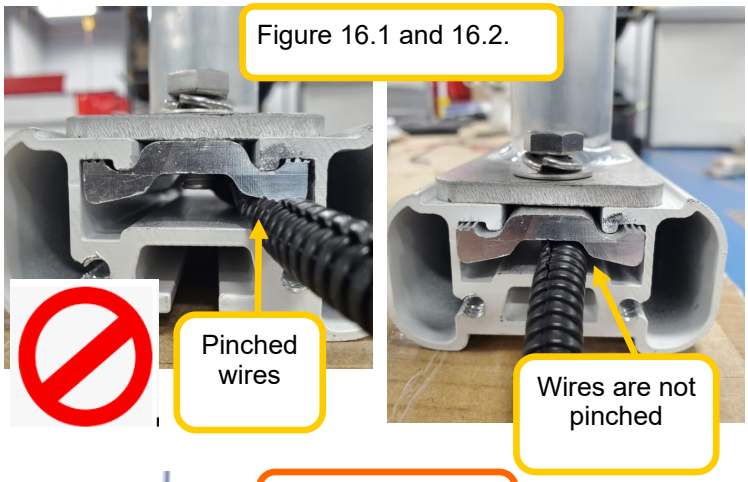
Carefully insert the terminals into their designated section. Figure 15.5.

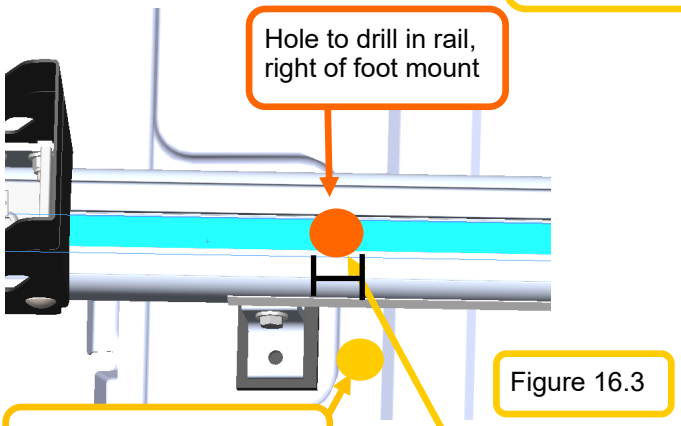
Also be sure the terminals snap into position. You should feel or hear a click when they are correctly inserted.

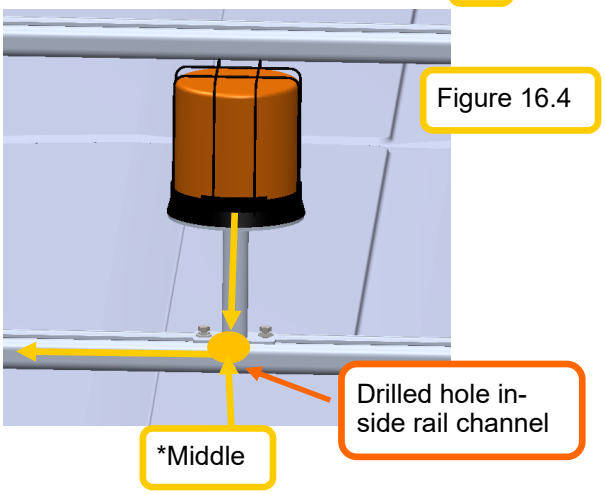
Pull on the wiring to be sure the connectors have been inserted completely.

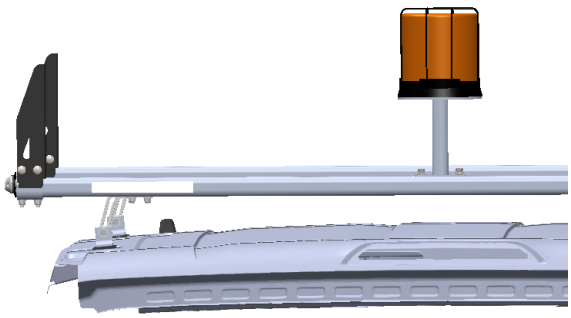
If not already done:
Insert the red plastic piece into the top end of the connector. This will also click into place. Figure 15.6 and 15.7.

Silicone the grommet/wiring.









*****Be cautious the wires are not pinched after tightening the slides*****
See figures 16.1 and 16.2 for reference.

Step 4: Ladder Rack Routing

Option 1: (The preferred option)
Drill a 3/8” hole from the top channel to the bottom channel, 2’’ to the right of the where the foot mounts to the rail. See picture to the left for reference.

Route the wires in the top rail channel (before inserting the weather strip) to the drivers side area, through the hole in the rail, and down the foot to the hole in the roof. Figure 16.3.

Option 2: Drill a 3/8” hole from the top channel to the bottom channel directly under the beacon mount in the middle of the crossbow. Then route the wires through the hole to the bottom channel and down the channel to the end of the rail, drivers side.

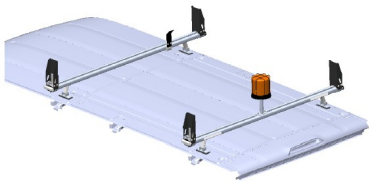
On 68’’ the rack, measure 34’’ from the end. On the 58’’ rack measure 29’’ from the end.

Use the tek screws (FAS0842) and ny-lon clips (66843) to secure the wiring under the utility rack.

Routing is shown in yellow in figure 16.4. The hole is drilled beneath the beacon from the top channel to bottom.

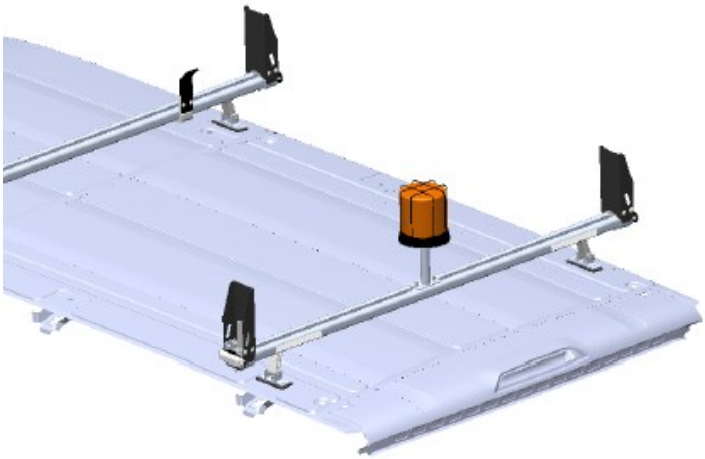
Where you route the wires will depend on what all options you are installing on the utility rack.

If you are installing a few accessories onto the rail that mount to the bottom channel, use the top channel for wire









Insert the fuse into the inline-fuse holder on the power harness. The install is now complete. Secure all wiring with zip ties. Re-attach all trim. Re-assure all pass through holes have been silicone. Double check the functionality of the lights and switches.

PART NUMBER
26618-0

ITEM DESCRIPTION: SILICONE, 1oz. TUBE



SPECIFICATIONS:
SU5005 RTV SILICONE
1oz. TUBE
CLEAR OR EQUIVILENT
SELF PIERCING CAP

SPECIAL NOTES:

SUPPLIED BY: THIS ITEM IS ADRIAN AVAILABLE!

PURCHASED PRODUCT DATA SHEET (PPDS)

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ADRIAN STEEL
VAN AND PICKUP EQUIPMENT
906 JAMES STREET
ADRIAN, MI 49221
517-265-6194
WWW.ADRIANSTEEL.COM

⚠ CAUTION ⚠

WHEN INSTALLING EQUIPMENT IN OR ON VEHICLES CHECK FOR FUEL TANKS, FUEL LINES, CONTROL LINES AND ELECTRICAL WIRING BEFORE DRILLING! ALWAYS USE DRILL BITS WITH INTEGRAL STOPS WHENEVER POSSIBLE!

DRAWN BY	DATE DRAWN
JLC	7/21/2001
ECN NUMBER	ECN DATE
16551	7/22/2014
PART WEIGHT	REV. LEVEL
0.02 LBS.	C

PART NUMBER
26618-0

PART NUMBER
26618-0

ITEM DESCRIPTION: SILICONE, 1oz. TUBE



SPECIFICATIONS:
SU5005 RTV SILICONE
1oz. TUBE
CLEAR OR EQUIVILENT
SELF PIERCING CAP

SPECIAL NOTES:

SUPPLIED BY: THIS ITEM IS ADRIAN AVAILABLE!

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ADRIAN STEEL
VAN AND PICKUP EQUIPMENT
906 JAMES STREET
ADRIAN, MI 49221
517-265-6194
WWW.ADRIANSTEEL.COM

⚠ CAUTION ⚠

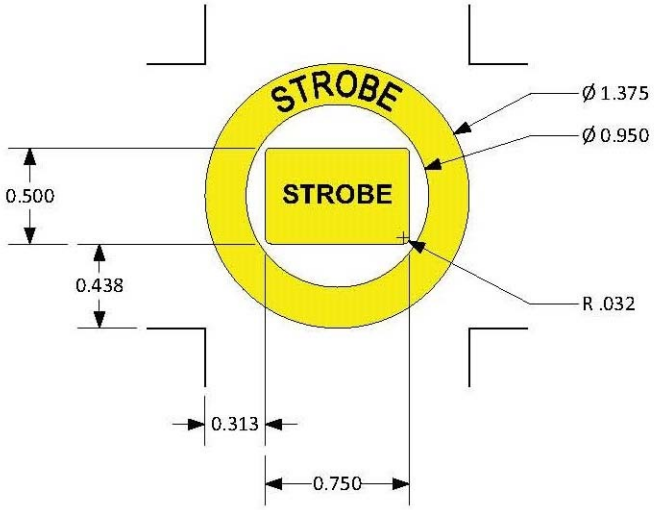
WHEN INSTALLING EQUIPMENT IN OR ON VEHICLES CHECK FOR FUEL TANKS, FUEL LINES, CONTROL LINES AND ELECTRICAL WIRING BEFORE DRILLING! ALWAYS USE DRILL BITS WITH INTEGRAL STOPS WHENEVER POSSIBLE!

DRAWN BY	DATE DRAWN
JLC	7/21/2001
ECN NUMBER	ECN DATE
16551	7/22/2014
PART WEIGHT	REV. LEVEL
0.02 LBS.	C

PART NUMBER
26618-0

PART NUMBER **55073**

ITEM DESCRIPTION: STROBE SWITCH DECAL SET



MANUFACTURER: VANNER
MANUFACTURERS PART NUMBER: TBD

SPECIFICATIONS: (1) Circular Yellow Decal (ID=0.950", OD=1.375") with "STROBE" in black letters
(1) Rectangular Yellow Decal (H=0.500", L=0.750") with "STROBE" in black letters

SPECIAL NOTES: For round rocker switch (OD=0.780") and Ford Transit Upfitter Switches.

SUPPLIED BY: THIS ITEM IS ADRIAN AVAILABLE!

PURCHASED PRODUCT DATA SHEET (PPDS)

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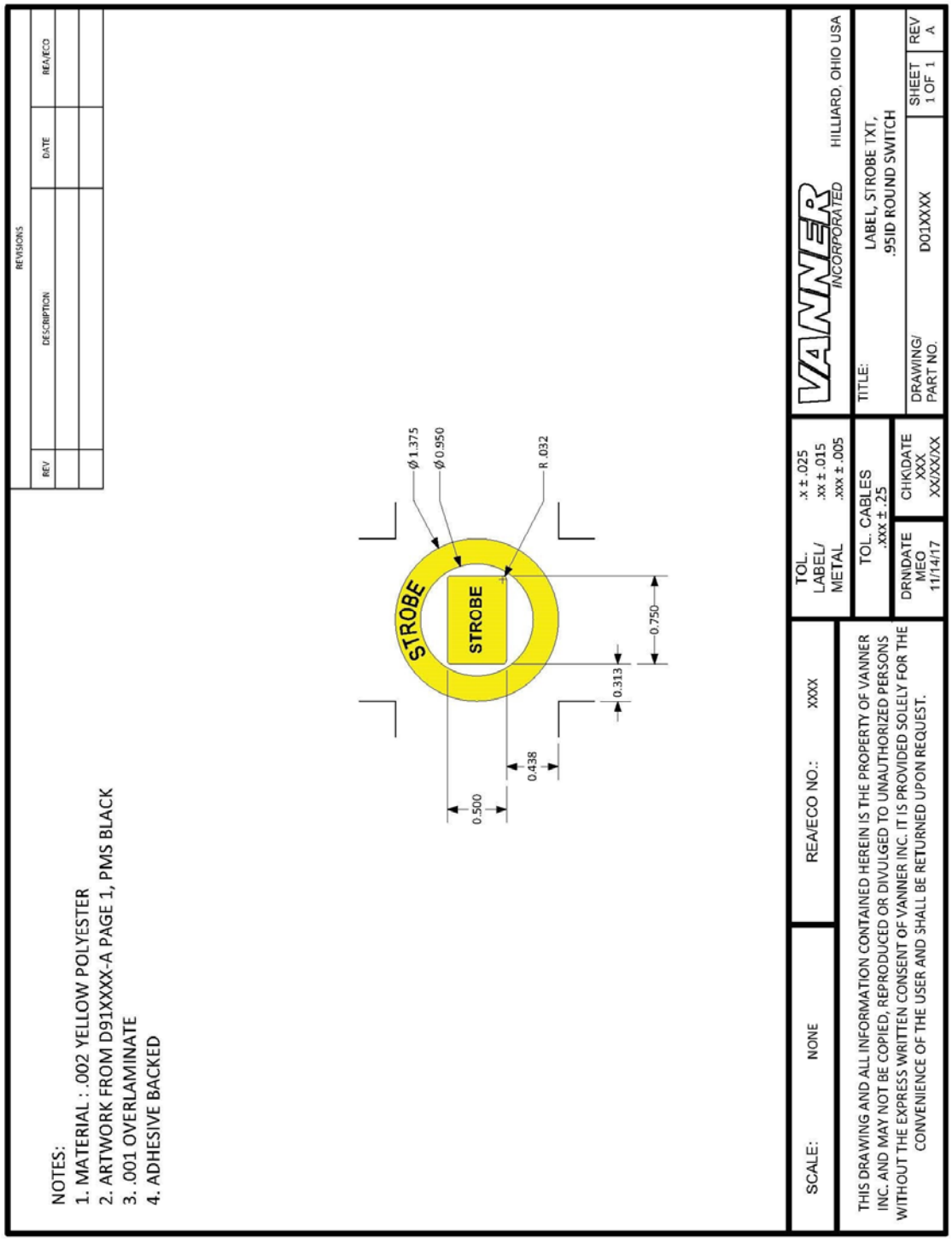
ADRIAN STEEL
Cargo Management Solutions for Commercial Vehicles
906 JAMES STREET
ADRIAN, MI 49221
517-265-6194
WWW.ADRIANSTEEL.COM

⚠ CAUTION ⚠

WHEN INSTALLING EQUIPMENT IN OR ON VEHICLES CHECK FOR FUEL TANKS, FUEL LINES, CONTROL LINES AND ELECTRICAL WIRING BEFORE DRILLING! ALWAYS USE DRILL BITS WITH INTEGRAL STOPS WHENEVER POSSIBLE!

DRAWN BY	DATE DRAWN
RJB	**11/15/2017**
ECN NUMBER	**ECN DATE**
XXXX	**XXXXXX**
PART WEIGHT	**REV. LEVEL**
0.02 LBS.	**A**
PART NUMBER	
55073	

PART NUMBER
55073



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ADRIAN, MI 49221
517-265-6194
WWW.ADRIANSTEEL.COM

⚠ CAUTION ⚠

WHEN INSTALLING EQUIPMENT IN OR ON VEHICLES CHECK FOR FUEL TANKS, FUEL LINES, CONTROL LINES AND ELECTRICAL WIRING BEFORE DRILLING! ALWAYS USE DRILL BITS WITH INTEGRAL STOPS WHENEVER POSSIBLE!

DRAWN BY	DATE DRAWN
RJB	11/15/2017
ECN NUMBER	**ECN DATE**
XXXX	XXXXXXX
PART WEIGHT	**REV. LEVEL**
0.02 LBS.	A
PART NUMBER	
55073	

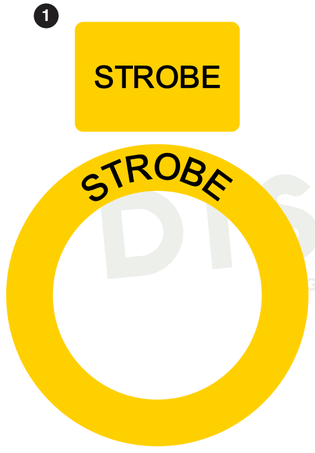
FINAL APPLICATION LAYOUT

IMPORTANT NOTE TO INSTALL CREWS:

LOC | QTY | Part # | Description | Size

Material: IJ39 | Lamination: 8518

1 | 1: 6039597.Strobe Switch-1.52" x 2.07"



Note: Part will not be weeded, just cut.

Kit# 8001872 | Adrian Steel Part # 55073

06/01/2023 • JY

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ASCO REV.1 6/14/2023

DISTYLL GRAPHIC SOLUTIONS FINAL DESIGN	CLIENT NAME: Adrian Steel		Switch Decals		O-ID: O15319-1
	DATE: 05/31/2023	DESIGNER: TRN			Rev #: XXXX
					Opt #: A

Please check information to confirm accurate vehicle specifications.

CLEANING INSTRUCTIONS All surfaces must be considered contaminated. Clean the vehicle surface immediately before applying the film. Dust and other contaminates can collect quickly on the surface and prevent the film from adhering properly. Even a freshly painted surface can collect dust before graphics can be applied.

For the best success with the films recommended for vehicle graphics, always apply the graphics when the air and vehicle surface are both above 60°F (16°C) and below 90°F (32°C) before beginning the installation.

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 **Hole size: 7/16"** **ID: 1/4"** **Stem length: 3/16"** **Head diameter: 5/8"**



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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: 24944

CURRENT ECN: 24944

ECN DESCRIPTION:
Release

REVISED BY: **N/A**

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
Fastenal

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER
11120330

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE)
(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: **A. BUSSING**

DESCRIPTION: **GROMMET,RUBBER,1/4"ID**

WEIGHT (Lbs.): **0.1**

SEGMENT CODE: **ELE**

PART NUMBER: **65130**

Bill of Materials

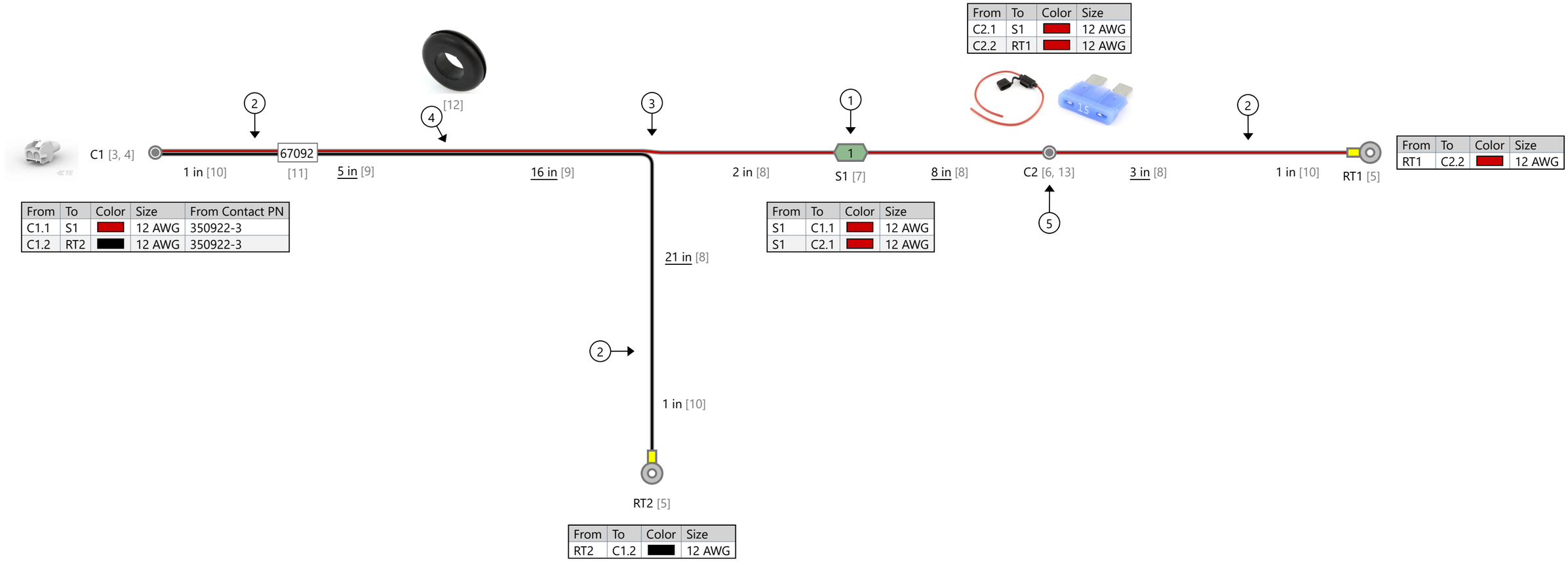
Id	Description	Manufacturer	Part Number	Quantity
1	Red, 12 AWG, TXL, 19/25 Stranding	Prysmian	140682-91W	24 in
2	Black, 12 AWG, TXL, 19/25 Stranding	Prysmian	145823-91W	44 in
3	MATE-N-LOK Connector, 2pos, Receptacle	TE Connectivity	1-480699-0	1
4	MATE-N-LOK Contact, 10-12 AWG, Pin	TE Connectivity	350922-3	2
5	Heat Shrink Ring Terminal, 12-10 AWG, 3/8" Stud	Molex	19164-0068	2
6	ATO/ATC In-Line Fuse Holder, 12 AWG, 30A	Egis	901028	1
7	Splice, Undetermined Length		Generic Splice	1
8	Corrugated Loom, Split Nylon, .250" ID, Black w/ Gray Stripe	Drossbach	014NPBSG BLACK/GRAY	34 in
9	Corrugated Loom, Split Nylon, .350" ID, Black w/ Gray Stripe	Drossbach	038NPBSG0000XZS	21 in
10	Anti-Abrasion Wire Harness Tape, Black	Tesa	TS51036 1.	
11	Generic Heat Shrink Label		Label	1
12	Rubber Grommet, 1/2" ID, 13/16" Panel Hole	Waytek	24514	1
13	ATOF Blade Fuse, 15A, 32VDC, Blue	Littelfuse	0287015.PXCN	1

Coverings

Id	Assembly
[8]	
[9]	
[10]	

Notes

1. Engineering Equivalence Allowed
2. Lock tape loom to wires with Tesa 51036
3. Tape joint with Tesa 51036
4. Install grommet over loom 6" from C1
5. Install 15A ATO fuse in fuse holder



Revisions

Rev.	Date	Author	Description
A	10/28/2026	Andrew Oswalt	Initial Drawing

Initial ECN	25378	Drawn By	APO	Part Number 67092 Or PWR-HAR1	Segment ELE
Current ECN	25378	Weight (lb)	0.2	Description POWER HARNESS EXTERIOR 1	
ECN Description: RELEASE FOR PRODUCTION		Sheet	1 of 1	All dimensions in inches unless otherwise specified. Harness length tolerance = +/- 5%, max ≤ 5 in. Loom/tape to connector gap = 1 in. +/- 10% Wires in bundle length tolerance = +/- 5%, max ≤ 1 in. Terminal/contact wire strip length tolerances controlled by MFR.	
		Size	11" x 17"		

ADRIAN

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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



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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: 25378

CURRENT ECN: 25378

ECN DESCRIPTION:

RELEASE FOR PRODUCTION

REVISED BY:

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
AAMP GLOBAL

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER
SSW-HAR1 OR 67097

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE)
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)
NO

PART / PRODUCT IDENTIFICATION

ADRIAN STEEL®

ADRIAN STEEL COMPANY
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL **A**

MAT'L USED: **PURCHASED**

DESIGNED BY: **E.BURKE**

DESCRIPTION: **SWITCH HARNESS 1 EXTERIOR LIGHTING**

WEIGHT (Lbs.): **0.2**

SEGMENT CODE: **ELE**

PART NUMBER: **67097**

Coverings	
Id	Assembly
[12]	

Notes	
1	Lock Tape Loom with Tesa 51608
2	75mm between end of loom and Quick Connects



1

C1 [7, 8]

SSW-HAR1

[14]

75 mm [12]

From	To	Color	Gauge
C1.1	QC3		16 AWG
C1.2	S1		16 AWG

From	To	Color	Gauge
S1	C1.2		16 AWG
S1	C2.B		16 AWG
S1	C3.B		16 AWG
S1	C4.B		16 AWG
S1	QC1		16 AWG

From	To	Color	Gauge
S2	C2.A		16 AWG
S2	C3.A		16 AWG
S2	C4.A		16 AWG
S2	QC2		16 AWG

1

50 mm [12]

S1 [10, 11]

1

50 mm [12]

S2 [10, 11]

1

360 mm [12]

2

1

75 mm

QC1 [9]

QC2 [9]

QC3 [9]

From	To	Color	Gauge
QC1	S1		16 AWG
QC2	S2		16 AWG
QC3	C1.1		16 AWG

75 mm



C2 [4, 5, 6]

From	To	Color	Gauge
C2.A	S2		16 AWG
C2.B	S1		16 AWG

75 mm



C3 [4, 5, 6]

From	To	Color	Gauge
C3.A	S2		16 AWG
C3.B	S1		16 AWG

75 mm



C4 [4, 5, 6]

From	To	Color	Gauge
C4.A	S2		16 AWG
C4.B	S1		16 AWG



Loose Switch to be included with Harness

Revisions			
Rev.	Date	Author	Description
A	11/5/2021	Bennet Fisher	Initial Drawing

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN MILLIMETERS [INCHES]
TOLERANCES: ±5MM

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	Name	Date
Designed By	Bennet Fisher	11/5/2021
Engineering Approval	----	----
Manufacturing Approval	----	----
Revision Approval	----	----
Quality Assurance	----	----

AAMP
ADVANCING VEHICLE TECHNOLOGY

Part Number: SSW-HAR1

Revision: ----

Description:
Strobe Switch Harness - 3 Outputs

Sheet:
1 of 1

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



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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: **25378**

CURRENT ECN: **25378**

ECN DESCRIPTION:

RELEASE FOR PRODUCTION

REVISED BY:

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
AAMP GLOBAL

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER
FS-HAR2 OR 67102

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE)
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)
NO

PART / PRODUCT IDENTIFICATION

ADRIAN STEEL®

ADRIAN STEEL COMPANY
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL **A**

MAT'L USED: **PURCHASED**

DESIGNED BY: **E.BURKE**

DESCRIPTION: **FRONT STROBE HARNESS 2**

WEIGHT (Lbs.): **0.2**

SEGMENT CODE: **ELE**

PART NUMBER: **67102**

Coverings	
Id	Assembly
[12]	

Notes	
1	Lock Tape Loom with Tesa 51036



Front_Strobes [1, 2, 3]

From	To	Color	Gauge
Front_Strobes.A	S1		16 AWG
Front_Strobes.B	S2		16 AWG

1

FS-HAR2 [13]

1575 mm [12]

1

S1 [6, 7]

50 mm [12]

1

S2 [6, 7]

50 mm [12]

From	To	Color	Gauge
S1	Front_Left.1		20 AWG
S1	Front_Right.1		20 AWG
S1	Front_Strobes.A		16 AWG
S2	Front_Left.2		20 AWG
S2	Front_Right.2		20 AWG
S2	Front_Strobes.B		16 AWG

660 mm [12]

1

Front_Left [4, 5]



From	To	Color	Gauge
Front_Left.1	S1		20 AWG
Front_Left.2	S2		20 AWG

1

1750 mm [12]

Front_Right [4, 5]



From	To	Color	Gauge
Front_Right.1	S1		20 AWG
Front_Right.2	S2		20 AWG

Revisions			
Rev.	Date	Author	Description
A	11/5/2021	Bennet Fisher	Initial Drawing

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN MILLIMETERS [INCHES]
TOLERANCES: ±5MM

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	Name	Date
Designed By	Bennet Fisher	11/5/2021
Engineering Approval	----	----
Manufacturing Approval	----	----
Revision Approval	----	----
Quality Assurance	----	----

AAMP
ADVANCING VEHICLE TECHNOLOGY

Part Number: FS-HAR2

Revision: ----

Description:
Front Strobe Harness

Sheet:
1 of 1

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



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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: 25378

CURRENT ECN: 25378

ECN DESCRIPTION:

RELEASE FOR PRODUCTION

REVISED BY:

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
AAMP GLOBAL

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER
RS-HAR2 OR 67107

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE)
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)
NO

PART / PRODUCT IDENTIFICATION

ADRIAN STEEL®

ADRIAN STEEL COMPANY
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL
A

MAT'L USED: PURCHASED

DESIGNED BY: E.BURKE

DESCRIPTION: REAR STROBE HARNESS 2

WEIGHT (Lbs.): 0.2

SEGMENT CODE: ELE

PART NUMBER: 67107

Coverings	
Id	Assembly
[12]	

Notes

1. Lock Tape Loom with Tesa 51036



Rear_Strobes [1, 2, 3]

From	To	Color	Gauge
Rear_Strobes.A	S1		16 AWG
Rear_Strobes.B	S2		16 AWG

RS-HAR2 [13]

6100 mm [12]

1

S1 [6, 7]

50 mm [12]

1

S2 [6, 7]

50 mm [12]

From	To	Color	Gauge
S1	Rear_Left.1		20 AWG
S1	Rear_Right.1		20 AWG
S1	Rear_Strobes.A		16 AWG
S2	Rear_Left.2		20 AWG
S2	Rear_Right.2		20 AWG
S2	Rear_Strobes.B		16 AWG

360 mm [12]



Rear_Left [4, 5]

From	To	Color	Gauge
Rear_Left.1	S1		20 AWG
Rear_Left.2	S2		20 AWG

2040 mm [12]



Rear_Right [4, 5]

From	To	Color	Gauge
Rear_Right.1	S1		20 AWG
Rear_Right.2	S2		20 AWG

Revisions

Rev.	Date	Author	Description
A	11/5/2021	Bennet Fisher	Initial Drawing

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN MILLIMETERS [INCHES]
TOLERANCES: ±5MM

PROPRIETARY AND CONFIDENTIAL

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	Name	Date
Designed By	Bennet Fisher	11/5/2021
Engineering Approval	----	----
Manufacturing Approval	----	----
Revision Approval	----	----
Quality Assurance	----	----

AAMP
ADVANCING VEHICLE TECHNOLOGY

Part Number: RS-HAR2 | Revision: ----

Description: Rear Strobe Harness | Sheet: 1 of 1

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 **ECCO STROBE LIGHT: ED3801** **WITH EXTERIOR PLUG AND PLAY CONNECTOR**





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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: **25921**

CURRENT ECN: **25921**

ECN DESCRIPTION:

RELEASE TO PRODUCTION

REVISED BY: **N/A**

PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
ECCO

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER
ED3801A-ADR

COLOR (ONLY LIST IF COLOR SPECIFIC)
AMBER LED/CLEAR LENS

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERANCE)
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)
NO

PART / PRODUCT IDENTIFICATION

ADRIAN STEEL®

ADRIAN STEEL COMPANY
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL **A**

MAT'L USED: **PURCHASED**

DESIGNED BY: **EMB**

DESCRIPTION: **ECCO STROBE ED3801A W/CON**

WEIGHT (Lbs.): **0.5**

SEGMENT CODE: **EST**

PART NUMBER: **67686**