Introduction / Comments:

Install Instructions For Exterior Plug & Play Lights For GM Express

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 GM Express

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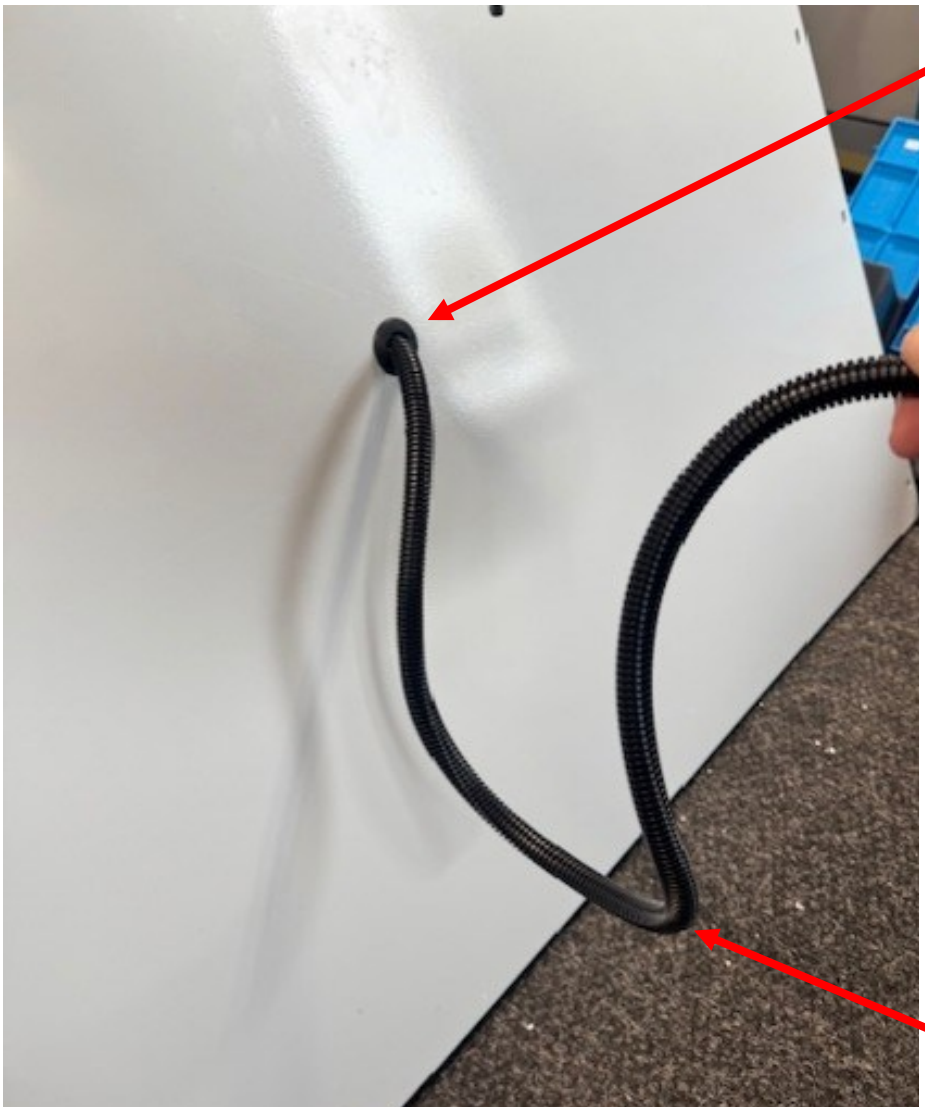
Beacon Installation Instructions……..……..…13

*****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

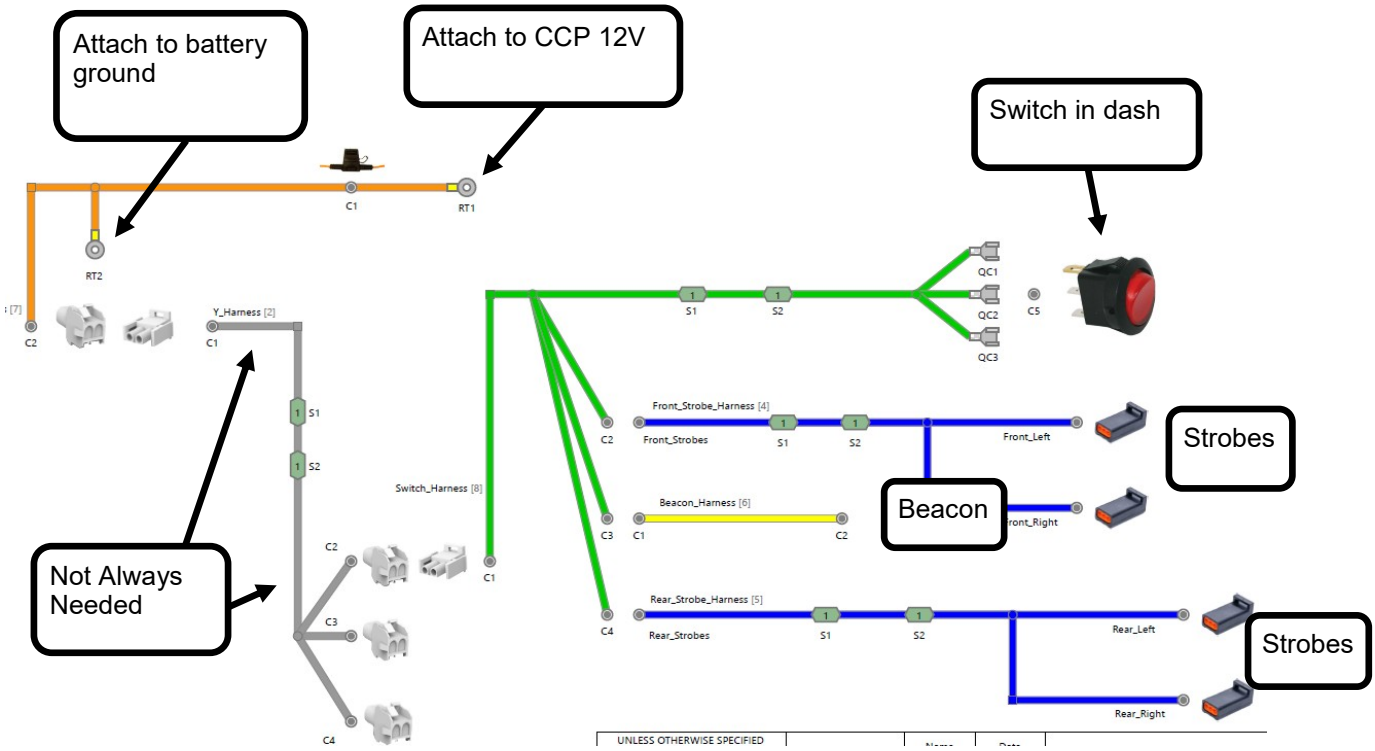
Before installation, disconnect the OEM negative battery cable.

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:



10mm socket



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



Power drill and impact

Torque wrench

Components



	Part Number	Description
1	67094	Power Harness #3
2	67098	Switch Harness #2
3	67101	Front Strobe Harness #1 (If Applicable)
4	67108	Rear Strobe Harness #3 (If Applicable)
5	67114 or 67115	Beacon/Lightbar Harness #4 or 5 (If Applicable)
6	67686 or 67687	Strobes (If Applicable)
7	67689 or 67690	Beacons (If Applicable
8	71834	Beacon Mounting Kit

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: Under Radio On Dash

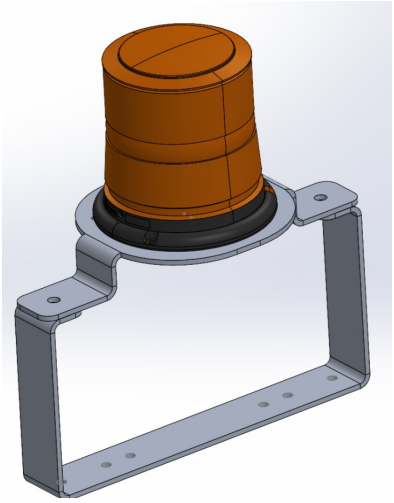


Front Strobes: Middle Of Grill



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

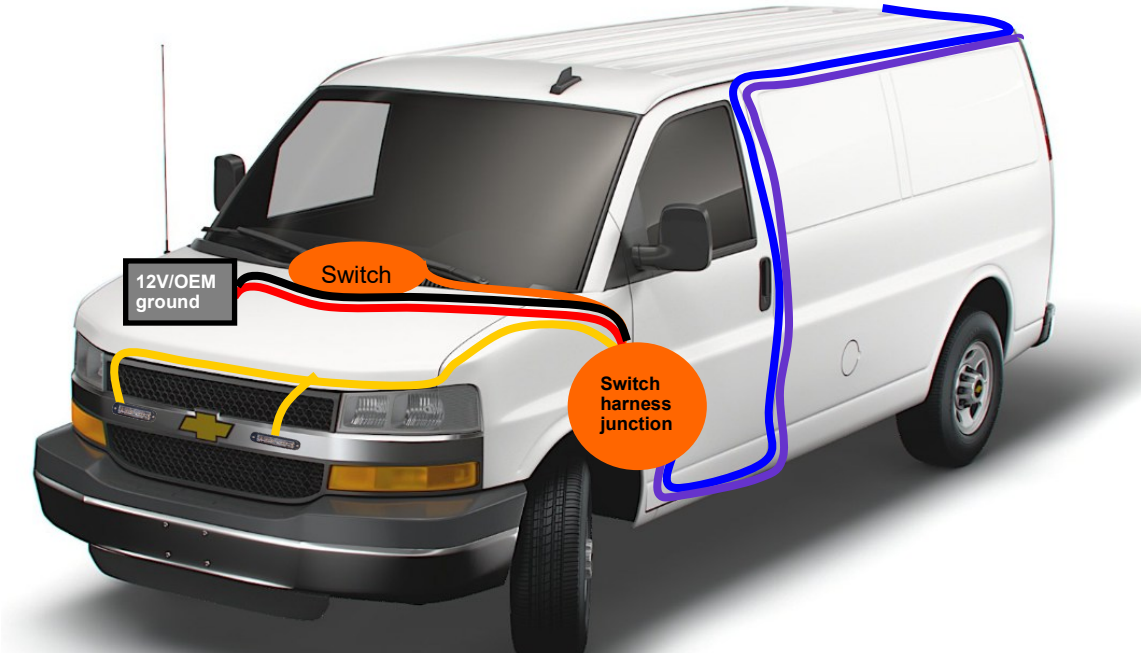
Beacon or Lightbar: On Ladder rack

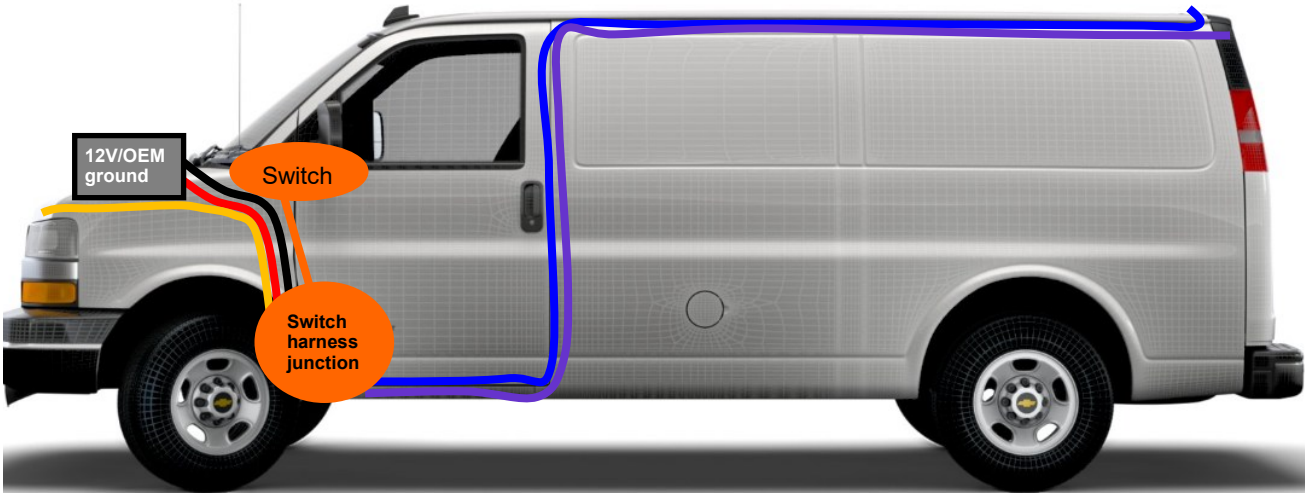


Rear Strobes: Above Rear Lights

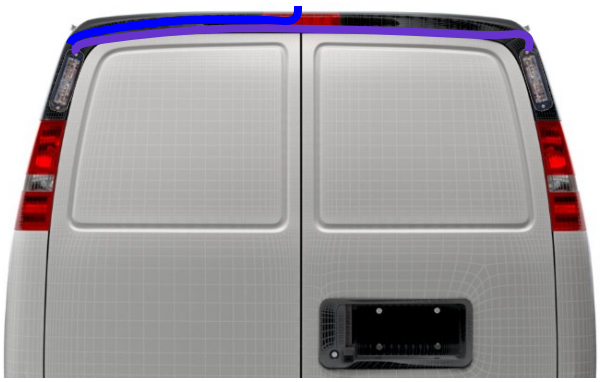


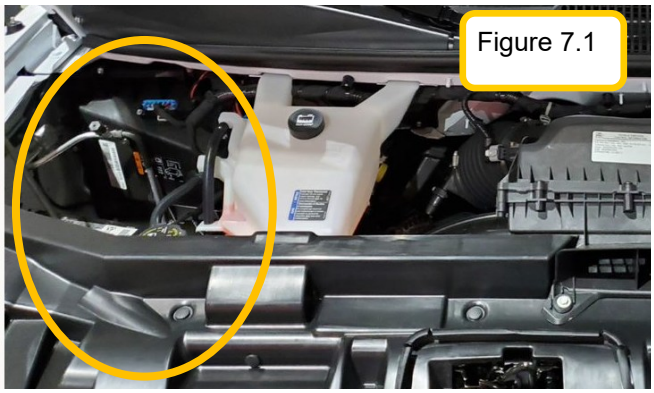
Routing Overview





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




Figure 7.1

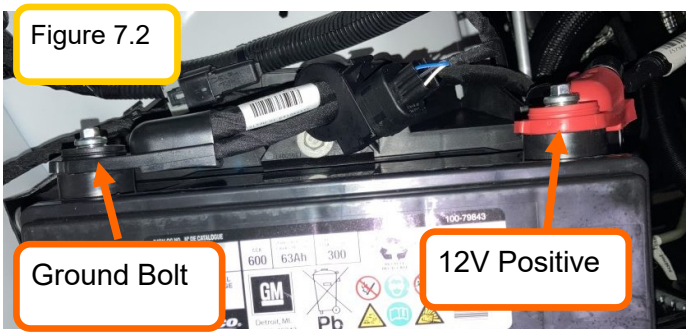
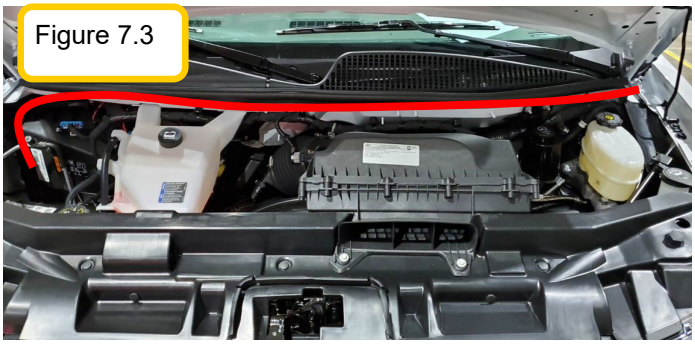
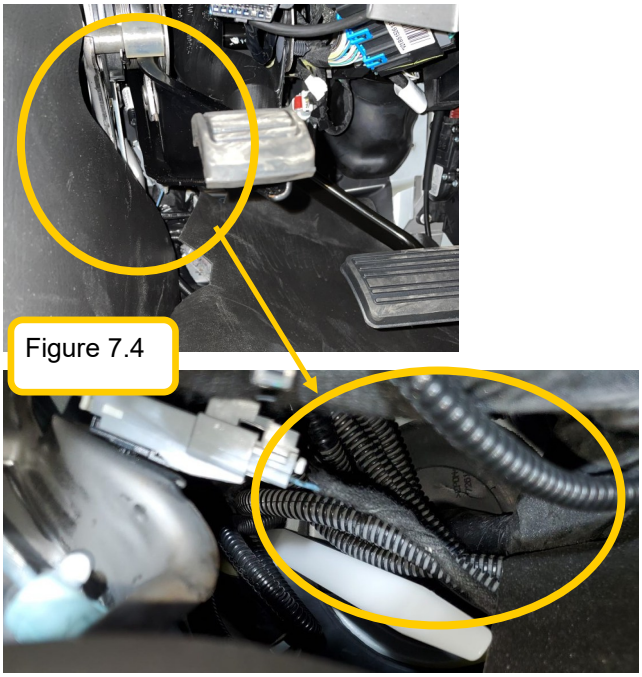


Figure 7.2


Figure 7.3


Figure 7.4

Step 1: Locate the power harness #67094.
Remove the fuse from the inline fuse holder until he end of the install.

Under the hood:
Locate the OEM battery on the passenger side of the bay. 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.
Figure 7.2.

Route the white connector end towards the cab following the OEM harnesses to the Firewall grommet (to the cab). It is located behind the E-brake (cab side)
Secure with zip ties.
Figure 7.3 routing.
Figure 7.4 OEM grommet looking from inside the cab.

Step 3:
Cut/drill a hole in the grommet to route the power harness through.

****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 11 for routing strobe instructions.**
Figure 7.5 for connector reference.

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

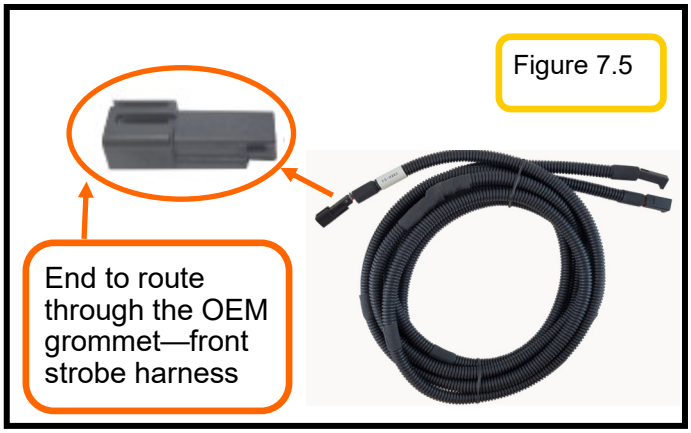


Figure 7.5

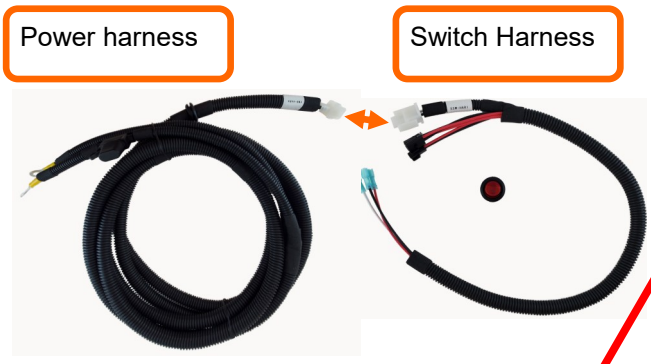


Figure 8.1

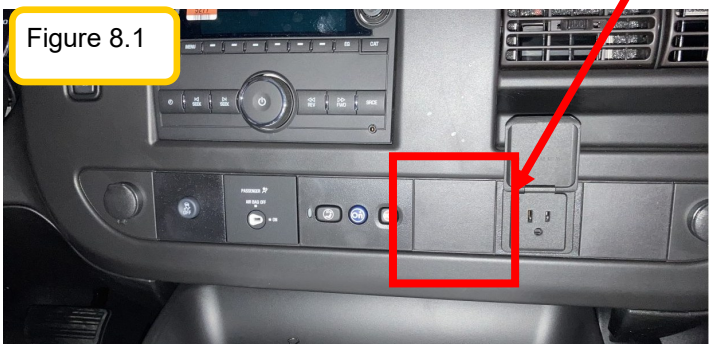


Figure 8.2



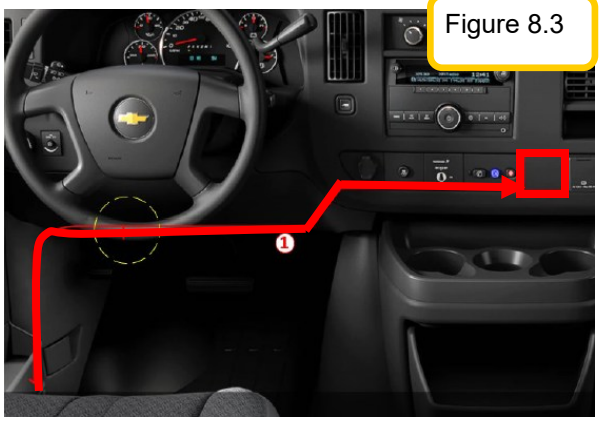


Figure 8.3

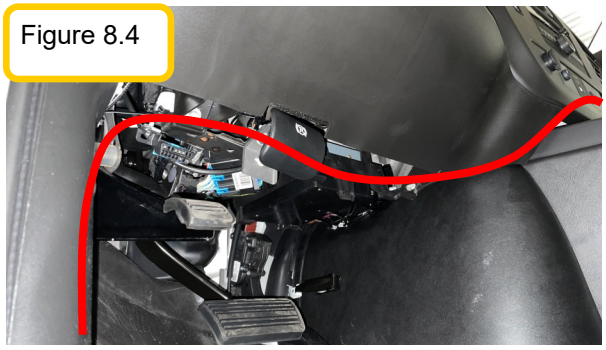


Figure 8.4

Step 4: Locate the switch harness #67098

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

Using a trim tool, carefully remove the empty square trim piece in the center dash. Figure 8.1 and 8.2.

If there is no inverter with this install: Drill a hole in the center of the trim panel for the switch:
A hole diameter of 3/4" (19mm) is necessary to install the snap in switch (do not insert switch yet).
If an inverter switch is already in this place, move the strobe switch to the left of the inverter switch, directly in line with it. Or however you can fit both switches in the same panel.

Using a fish tape: Route the switch end of the switch harness under the steering column behind the panels and through the opening in the switch location. AVOID MOVING/ROTATING OBJECTS. Figure 8.3, 8.4, and 8.5.
Secure with zip ties.

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.

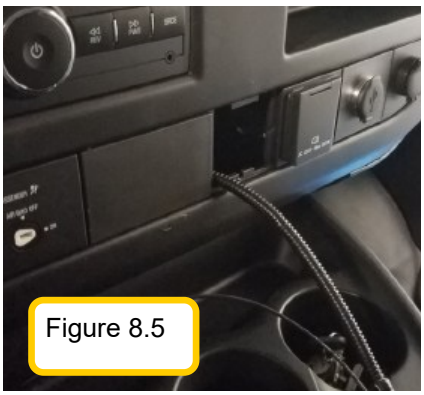


Figure 8.5



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



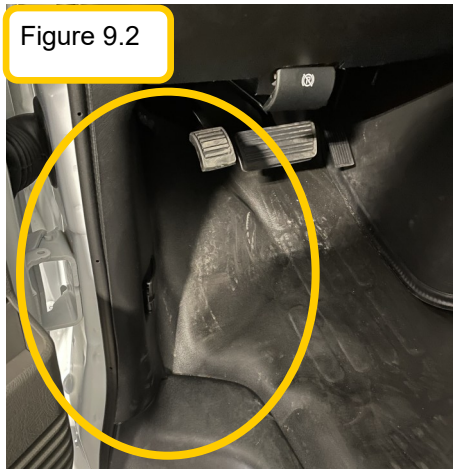
Step 1: (If you are installing a beacon, follow these routing steps with the beacon harness)

Locate the rear strobe harness #67108.

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 route the strobe harness through the door trim down to the floor. Be sure not to interfere with the hood latch.

Continue routing the harness down to the floor, under the sill trim, and under the driver's seat.
See figure 9.3 for the routing path.

Re-insert trim that was pulled up after routing.

Route the harness up the partition and secure with zip-ties. Figure 9.4.

Figure 9.3



Figure 9.4




Figure 10.1

Step 3: Routing (Refer to routing diagrams at the beginning of the instructions)
Route the strobe harness rearward following the OEM harness. Figure 10.1.

The first strobe connection will be made in the top driver's side D-pillar—circled in green. The second connection will be made in the top passenger side d-pillar, also circled in green. Figure 10.2.


Figure 10.2

Step 4: Mounting Strobes
Locate the rear side doors (outside of van). Use the strobe as a template to make your needed holes. On the driver's side, center the strobe on the black trim housing above the tail lights. Figure 10.3.

Drill a 1/2" hole for the wire pass through of the strobe.


Figure 10.3

Step 5: Using a fish tape, route the wire harness through the D-pillar channel up through the strobe wire pass through hole. This may be tricky. Figures 10.4 and 10.5.
(If this is not manageable you may need to take the tail light and housing off the van and route through the taillight. Figure 10.6.)

Tape up the non-needed blue or yellow wire on the strobe.
Use silicone to seal the wire pass through hole.

Place the strobes in their desired locations and fasten them onto the bumper with the supplied screws. You may want to drill pilot holes for ease of install.

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

Repeat for the passenger side strobe.

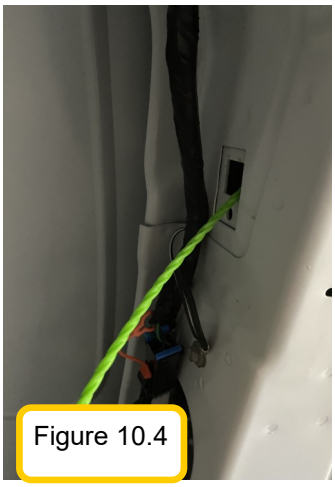

Figure 10.4


Figure 10.5

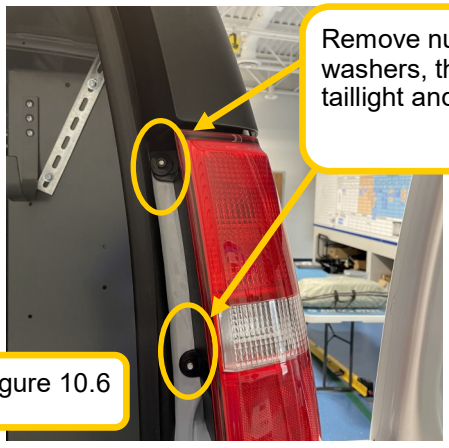


Figure 10.6



Figure 11.1

Step 5: Locate the front strobe harness #67101.

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.

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



Figure 11.2

Step 6:
Route the strobe connector ends to the each of the strobes. Follow the routing path shown in red in figures 11.4 and 11.5.

Secure wiring with zip ties.

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

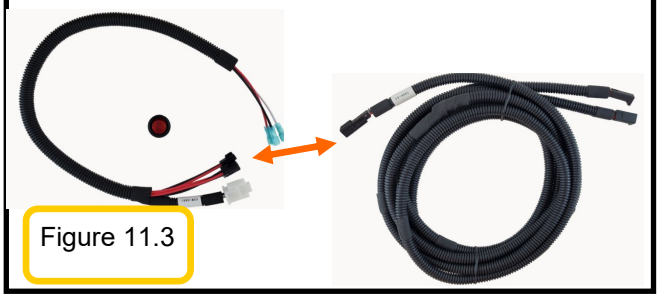


Figure 11.3

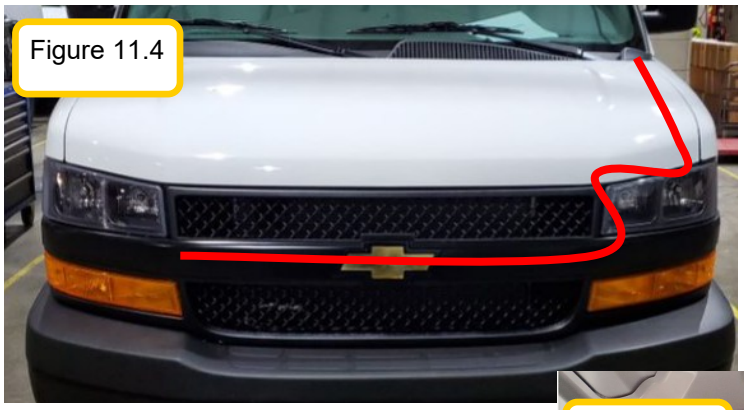


Figure 11.4

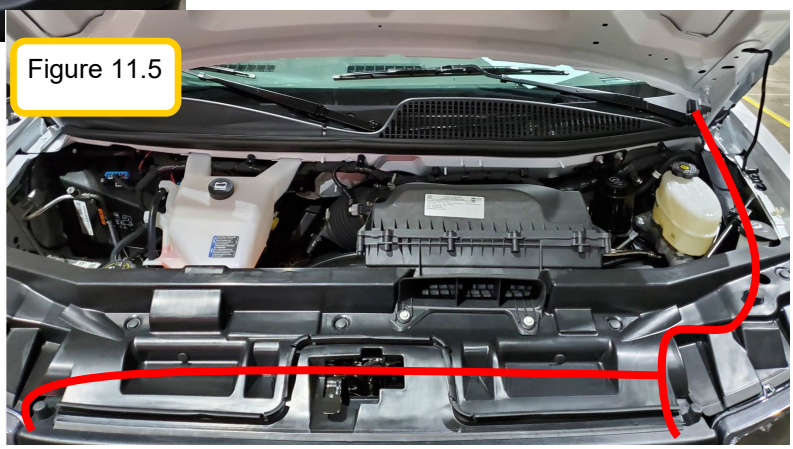
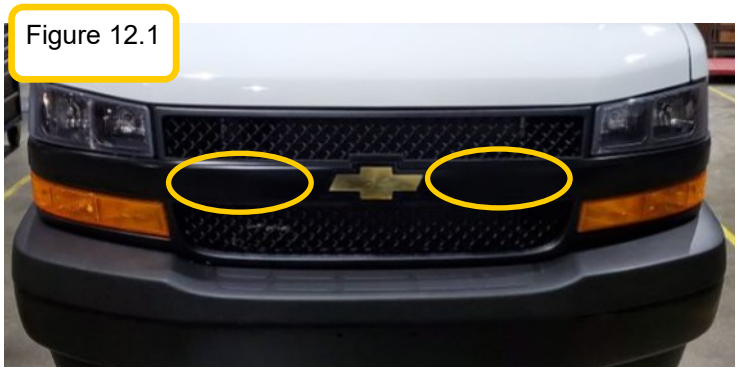


Figure 11.5

Figure 12.1



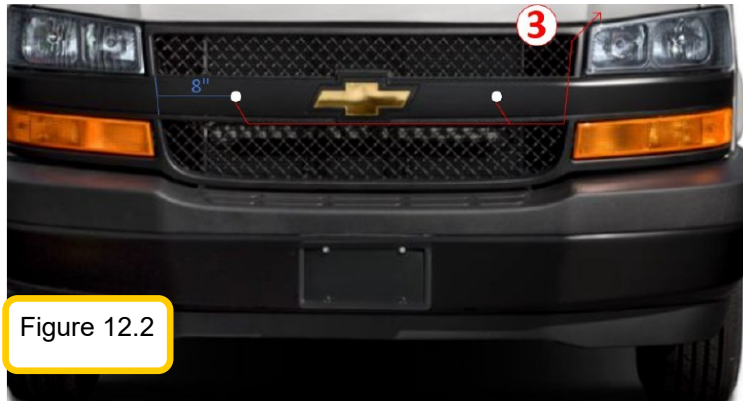


Figure 12.2



Figure 12.3

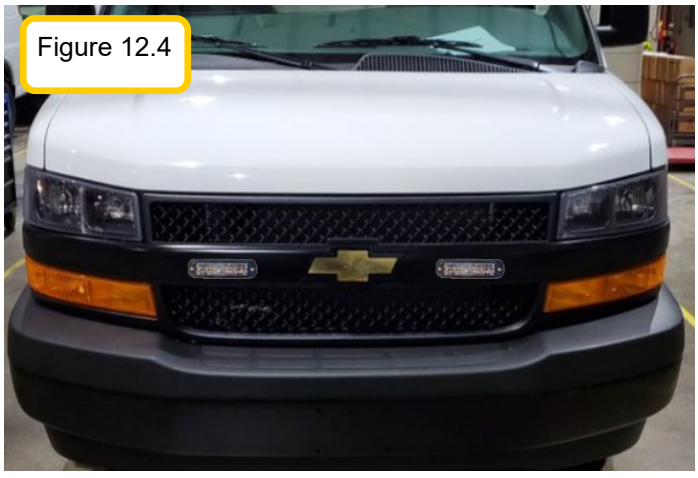


Figure 12.4

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

On the passenger's side: Place the strobe on the same trim panel as the Chevy logo. Measure 8" inward the edge of the headlight and centered vertically. See figurers 12.1,12.2, and 12.3 for placement.

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

Drill a 1/2" hole for the wire pass through on the strobe.

Route the strobe harness connectors through the holes.

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

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

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 12.4.

*****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/mount for the install.

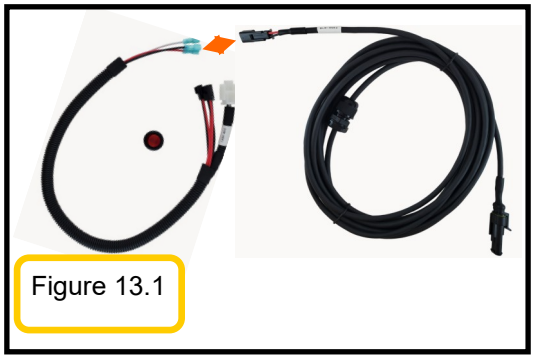


Figure 13.1



Figure 13.2

Step 1: Routing (Refer to routing diagrams at the beginning of the instructions)
Locate the beacon harness # 67114 or 67115.

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

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

Carefully route the strobe harness through the door trim down to the floor. Be sure not to interfere with the hood latch.

Continue routing the harness down to the floor, under the sill trim, and under the driver's seat.
See figure 13.3 for the routing path.

Re-insert trim that was pulled up after routing.

Route the harness up the partition and secure with zip-ties. Figure 13.4..

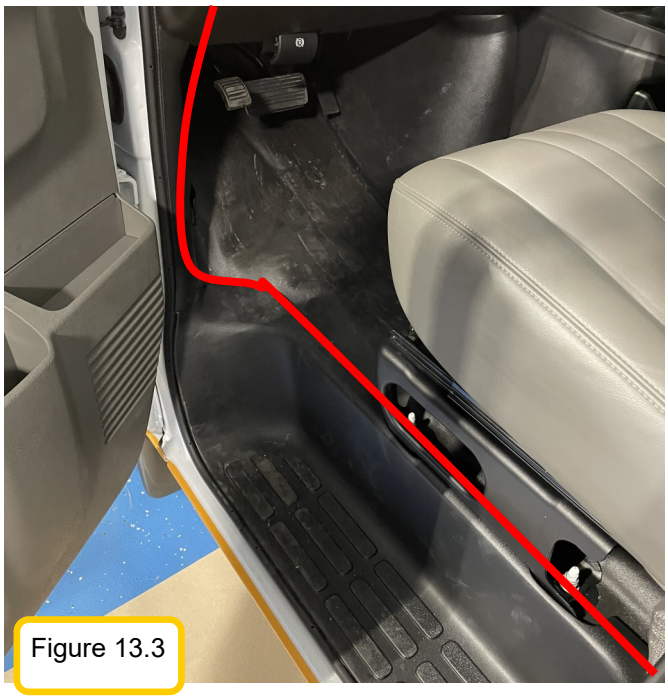


Figure 13.3



Figure 13.4

Beacon Installation
VERIZON ONLY







1. Use wire cutters to snip off the connector as this is no longer needed for these vehicles.
2. Use wire strippers to remove ¼" of insulation from the tips of both of the wires.
3. If not already done, strip the tips of the red and black wires coming from the beacon. The white wire from the beacon will not be needed.
4. Use a closed barrel crimp tool and heat shrinking butt splice connectors to connect the wire harness wires to the leads of the beacon, red to red and black to black.
5. Use a heat gun to shrink the insulation around the butt splice connectors to make a watertight seal.
6. Continue the installation steps to mount the beacon to the vehicle.

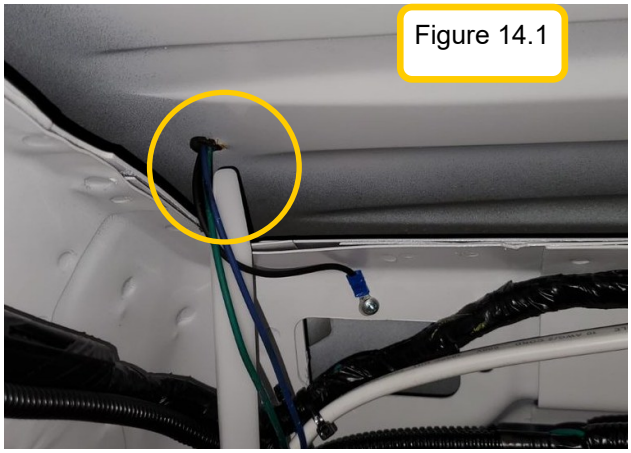


Figure 14.1

For ladder rack mounted beacon:
Step 1: Locate the rear driver's side D-pillar corner. Mark a location in the corner that will not interfere with the ladder rack foot mounting, but as close as possible.
Figure 14.1.

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 to the rear d-pillar following the OEM harness, then through the hole and insert the cable gland. Tighten the cable gland.
Secure with zip-ties.

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 14.1.

Assemble the beacon mount feet by inserting the bolt (FAS0479) through the flat washer (FAS0555) then into the nut (FAS0554). Figure 14.2

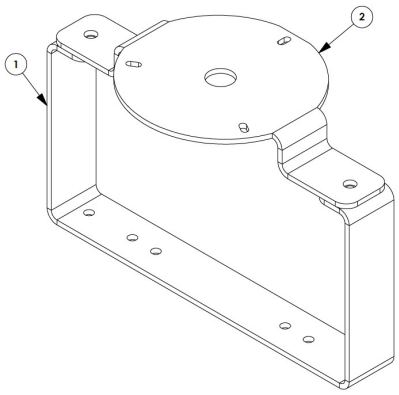
Figure 14.2



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.

Mount the beacon to the lower bracket that will be mounted to the rail. 14.3

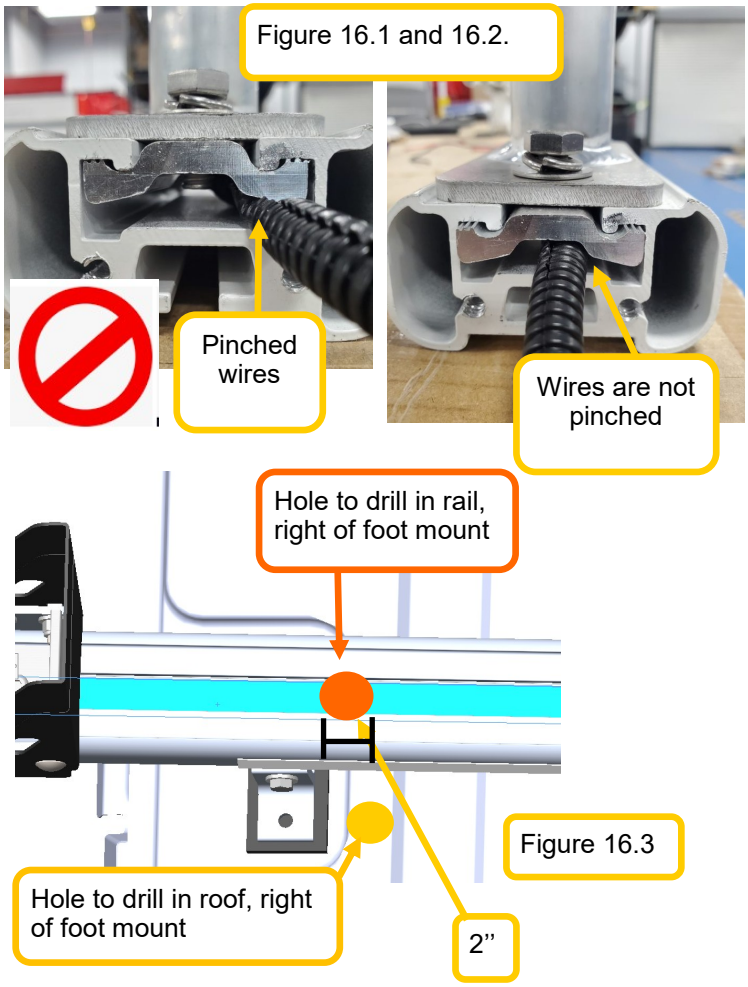
Figure 14.3



Tighten the bolts once you have positioned the beacon. Figure 14.4.

NOTE: 14.4 for REFERENCE ONLY

Figure 14.4



*****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 nylon clips (66843) to secure the wiring under the utility rack.

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.

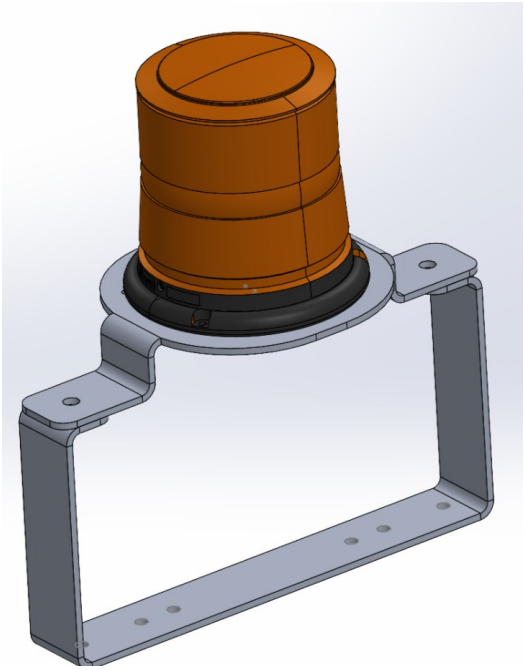
If you are installing a few accessories onto the rail that mount to the bottom channel, use the top channel for wire routing. Or vise versa.











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
13905-0

ITEM DESCRIPTION: WIRE TIE, NYLON 40Lb, 8.5” BLACK



MANUFACTURER: WAYTEK, INC. or equivalent
MANUFACTURERS PART NUMBER: 21093M or 21093C

SPECIFICATIONS: STANDARD CABLE TIE
BLACK, NYLON
8-1/2” LONG
TENSILE STRENGTH: 40.0 LBS
21093M = 1,000 quanity
21093C = 100 quanity

SPECIAL NOTES: PART NUMBER IS BLACK.

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
MDG	10/26/2006
ECN NUMBER	ECN DATE
18021	11/13/2015
PART WEIGHT	REV. LEVEL
0.01 LBS.	D

PART NUMBER
13905-0

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!

PURCHASED PRODUCT DATA SHEET (PPDS)

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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!

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 ⚠

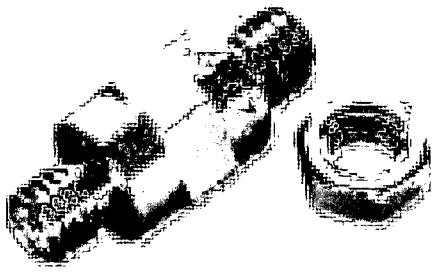
WHEN INSTALLING EQUIPMENT IN OR ON VEHICLES CHECK FOR FUEL TANKS, FUEL LINES, CONTROL LINES AND ELECTRICAL WIRING BEFORE DRILLING! ALWAYS USE DRILL BITS WITH INTEGRAL STOPS WHENEVER POSSIBLE!

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
32649-0

ITEM DESCRIPTION: BATTERY BOLT EXTENDERS



MANUFACTURER: WAYTEK WIRE
MANUFACTURERS PART NUMBER: 36244

SPECIFICATIONS: BATTERY BOLT EXTENDER FOR SIDE POST APPLICATIONS.
POWER HOOK-UP FOR DIRECT CONNECTIONS TO BATTERY.
SOLID BRASS BOLT EXTENDER AND PLATED STEEL NUT.

SPECIAL NOTES:

SUPPLIED BY: THIS ITEM IS INSTALLER SUPPLIED!

PURCHASED PRODUCT DATA SHEET (PPDS)

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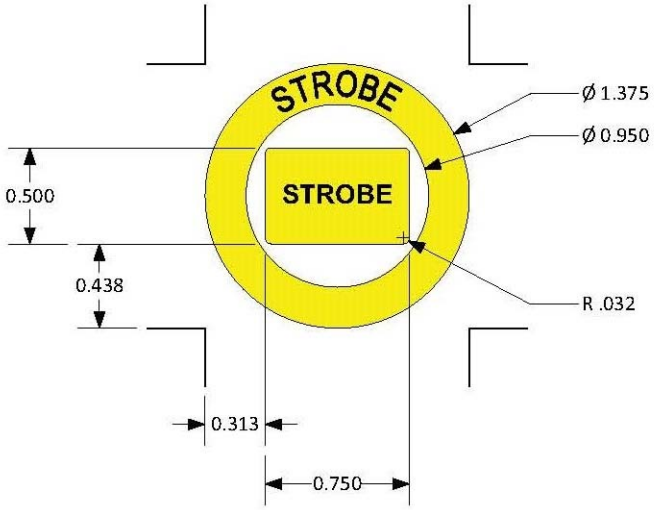
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VAN AND PICKUP EQUIPMENT
906 JAMES STREET
ADRIAN, MI 49221
517-265-6194
WWW.ADRIANSTEEL.COM

⚠ CAUTION ⚠
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DRAWN BY	DATE DRAWN
MDG	03/29/2006
ECN NUMBER	ECN DATE
8993	03/29/2006
PART WEIGHT	REV. LEVEL
0.05 LBS.	PCS
PART NUMBER	
32649-0	

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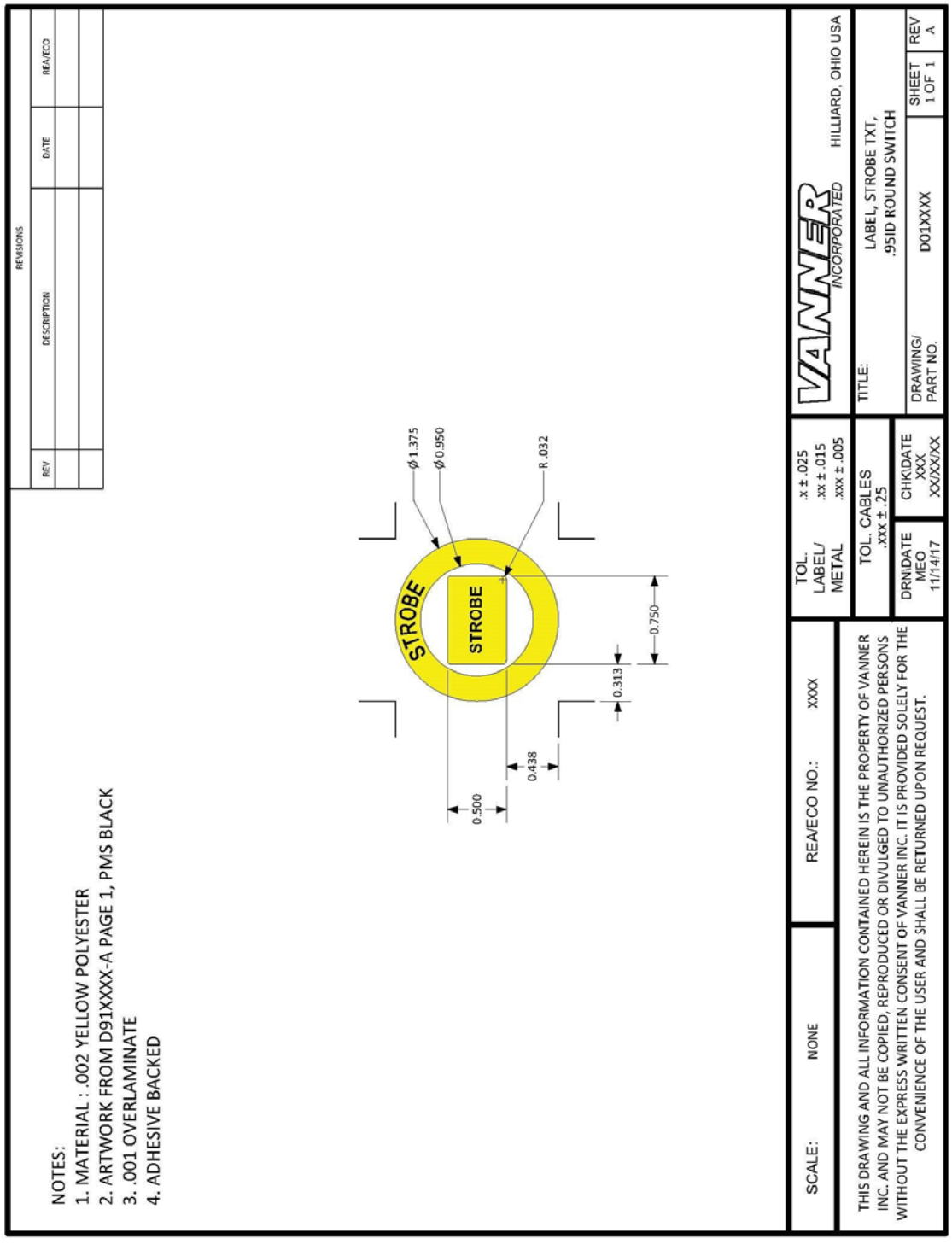
ADRIAN STEEL
Cargo Management Solutions for Commercial Vehicles
906 JAMES STREET
ADRIAN, MI 49221
517-265-6194
WWW.ADRIANSTEEL.COM

⚠ 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 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	XXXXXXX
PART WEIGHT	**REV. LEVEL**
0.02 LBS.	A
PART NUMBER	
55073	

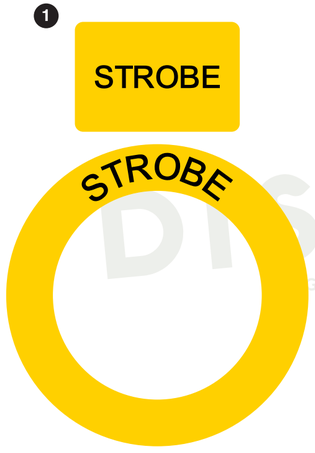
FINAL APPLICATION LAYOUT

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.

Bill of Materials

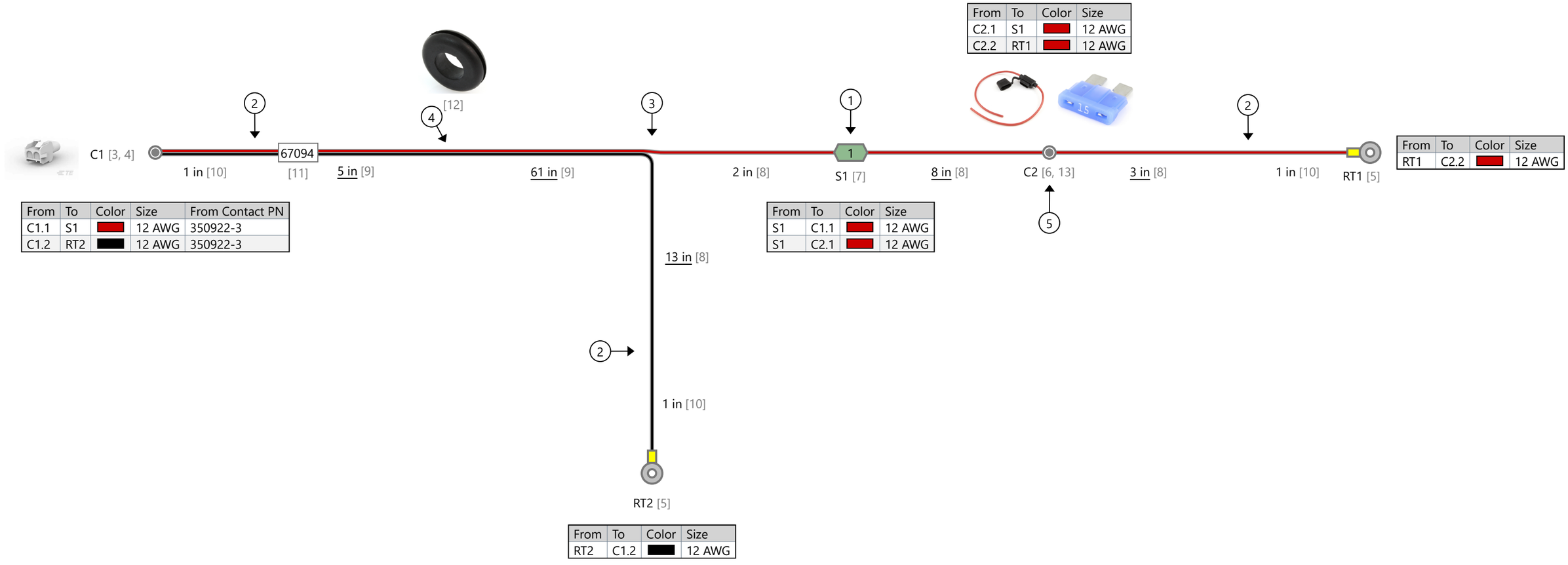
Id	Description	Manufacturer	Part Number	Quantity
1	Red, 12 AWG, TXL, 19/25 Stranding	Prysmian	140682-91W	69 in
2	Black, 12 AWG, TXL, 19/25 Stranding	Prysmian	145823-91W	81 in
3	MATE-N-LOK Connector, 2pos, Receptacle	TE Connectivity	1-480699-0	1
4	MATE-N-LOK Contact, 10-12 AWG, Pin	TE Connectivity	350922-3	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	26 in
9	Corrugated Loom, Split Nylon, .350" ID, Black w/ Gray Stripe	Drossbach	038NPBSG0000XZS	66 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 67094 Or PWR-HAR3	Segment ELE
Current ECN	25378	Weight (lb)	0.2	Description POWER HARNESS EXTERIOR 3	
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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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
SSW-HAR2 OR 67098

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 2 EXTERIOR LIGHTING**

WEIGHT (Lbs.): **0.2**

SEGMENT CODE: **ELE**

PART NUMBER: **67098**

Coverings	
Id	Assembly
[12]	

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



1

SSW-HAR1

[14]

C1 [7, 8]

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

970 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-HAR2

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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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-HAR1 OR 67101

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 1

WEIGHT (Lbs.): 0.2

SEGMENT CODE: ELE

PART NUMBER: 67101

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-HAR1 [13]

1170 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

760 mm [12]

1

Front_Left [4, 5]



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

1

1880 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-HAR1

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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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
RS-HAR3 OR 67108

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 3**

WEIGHT (Lbs.): **0.2**

SEGMENT CODE: **ELE**

PART NUMBER: **67108**

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

1

RS-HAR3

[13]

7620 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

965 mm [12]

1

Rear_Left [4, 5]



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

1

1750 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

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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-HAR3 | 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**