

Introduction / Comments:

Install Instructions For Exterior Plug & Play Lights For RAM Truck

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 RAM Truck

Table of Contents:

| | |
|--|---|
| Torque requirements..... | 2 |
| Introduction Statement..... | 3 |
| Overall Harness Diagram..... | 3 |
| Tools needed..... | 3 |
| Harnesses/Components Needed (If Applicable)..... | 4 |
| Component Placements..... | 5 |
| Overall Harness Routing..... | 6 |
| Beginning Install..... | 7 |
| Strobe Installation Instructions..... | 7 |

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

DO NOT MOUNT ON A
CURVED SURFACE

****Please read statement below before moving forward****

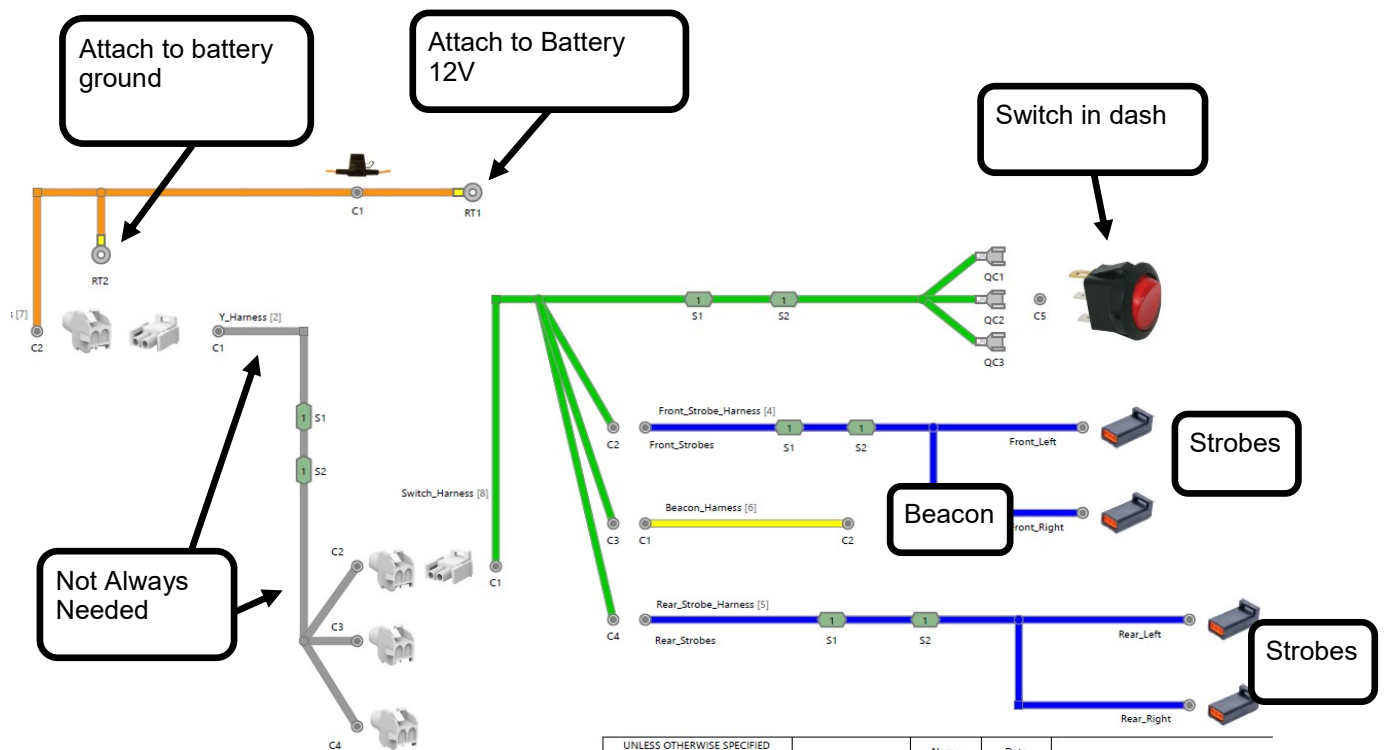
Before installation, disconnect the OEM negative battery cable.

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



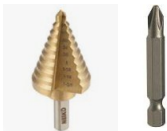
Tools required:

10mm socket

Phillips bit and 5/16" step drill bit

Power drill and impact

Torque wrench



Components



| | Part Number | Description |
|---|----------------------------------|--|
| 1 | 67095 | Power Harness #4 |
| 2 | 67097 | Switch Harness #1 |
| 3 | 67102 | Front Strobe Harness #2 (If Applicable) |
| 4 | 67107 | Rear Strobe Harness #2 (If Applicable) |
| 5 | 67113 | Beacon/Lightbar Harness #3 (If Applicable) |
| 6 | 67686 or 67687 | Strobes (If Applicable) |
| 7 | 67689 or 67690 | Beacons (If Applicable) |
| 8 | 52769 or 56075 | Beacon/Lightbar Mount (If Applicable) |
| 9 | 67691 or 67692 or 96118 or 67693 | Lightbars (If Applicable) |



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: Dash panel
right of park brake.



Front Strobes: Grill

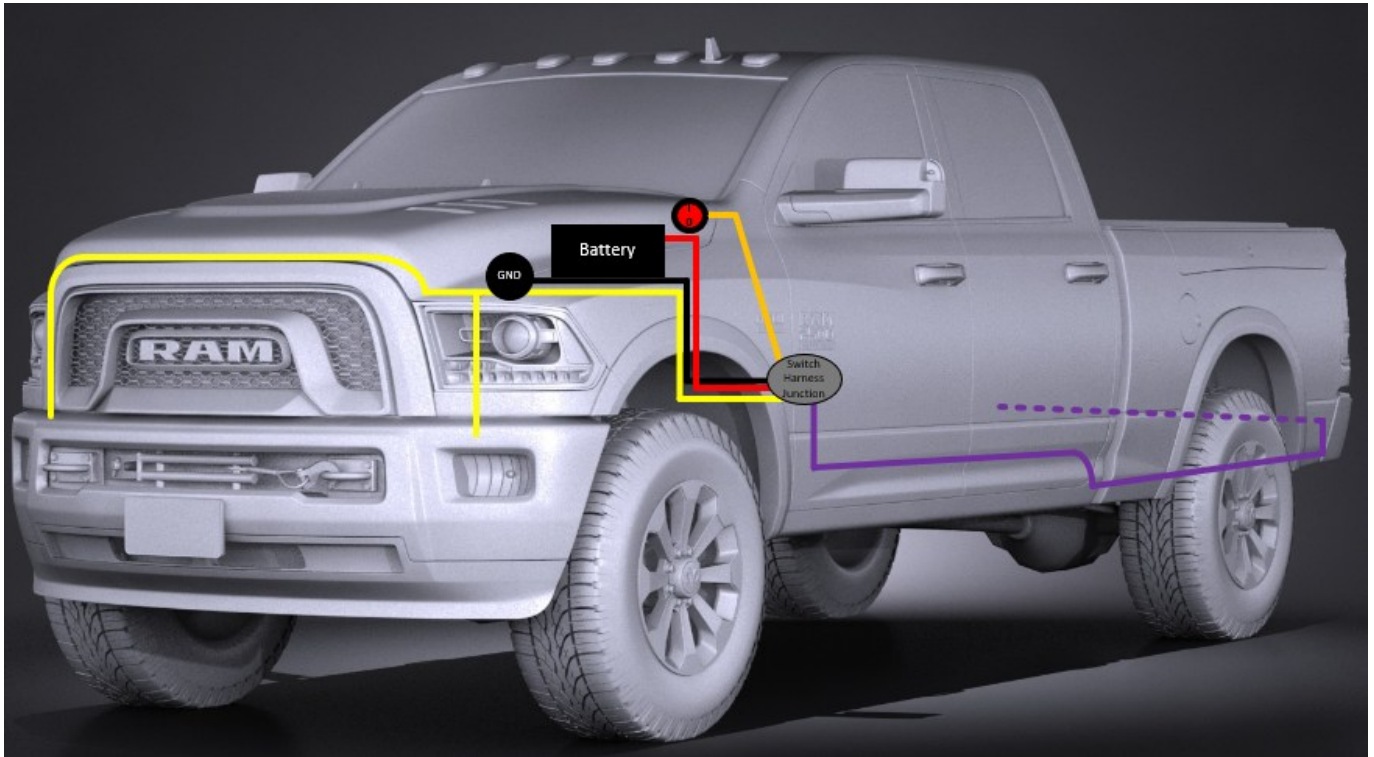


*****TORQUE STROBES TO 10-IN-LB'S
MAXIMUM*****

Rear Strobes: Rear Bumper



Routing Overview



| Color | Key - Items |
|-----------|--------------------------------------|
| Yellow | Strobes - Front strobe harness #2 |
| 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 #2 |



Figure 8.1

Step 1: Locate the power harness #67095.

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

Locate the OEM battery under the hood.

Step 2:

Attach the red wire with the ring terminal to the battery positive post.

Attach the black wire with the ring terminal to the OEM ground stud just forward of the battery.

Figure 8.1.

Step 3:

Locate the firewall grommet on the upper driver side behind the battery.

Cut a slit into the factory grommet (Reference Figure 8.2) and route wire through.

Silicone the cut to reseal the firewall grommet.



Figure 8.2



Step 5:

Drill a hole for the switch, in the trim panel like shown below.

The hole will be 2" inches up from the bottom of the trim panel and 1.5" from the right edge.

Route the harnesses through the hole.

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.



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 11.1



Step 1:

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.

Step 2:

Locate the driver's side door sill area.

Use a trim tool to remove the trim panels in the driver's step well and dash/kick panel.

Continue routing to the rear door sill trim.





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

Lift the rear carpet and locate the OEM grommet.

From below the vehicle, use a knife to cut an 'X' into the grommet.

Route the harness under the carpet and through the grommet.

Follow the frame to the rear of the vehicle.

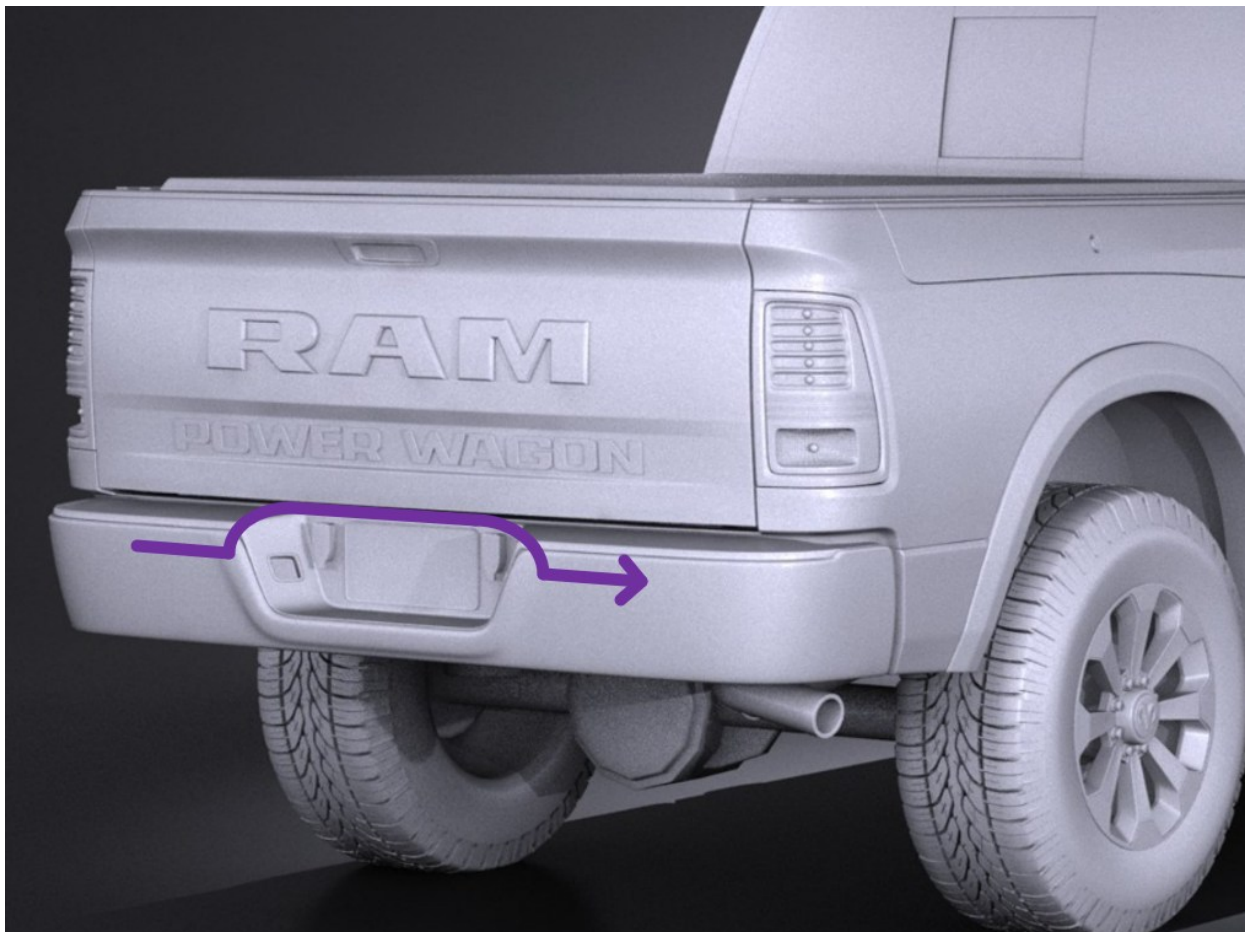




Step 4: Mounting Rear Strobes

From the trim split, measure 1.5" inward and 2" down. Mark and drill the hole for the cable passthrough.

Repeat for the passenger side.



Step 5: Routing (Refer to routing diagrams at the beginning of the instructions)

Using the front strobe harness, connect to the switch harness and pass through the firewall.

Remove the plastic cover from the front. Route the harness along the outside edge towards the front of the vehicle. Drop the shorter leg down and continue to the passenger side. Route the harness below the cover.



Step 6: Mounting Front Strobes

Locate the split in the headlight, this will be the horizontal indicator of where to place the strobes.

The bottom edge of the strobe will be flush with the bottom of the plastic panel.





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.

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 quantity
 21093C = 100 quantity

SPECIAL NOTES: PART NUMBER IS BLACK.

SUPPLIED BY: THIS ITEM IS ADRIAN AVAILABLE!

PURCHASED PRODUCT DATA SHEET (PPDS)

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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
MDG

DATE DRAWN
10/26/2006

ECN NUMBER
18021

ECN DATE
11/13/2015

PART WEIGHT
0.01 LBS.

REV. LEVEL
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!

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WHENEVER POSSIBLE!**

DRAWN BY
JLC

DATE DRAWN
7/21/2001

ECN NUMBER
16551

ECN DATE
7/22/2014

PART WEIGHT
0.02 LBS.

REV. LEVEL
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:

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DRAWN BY
JLC

DATE DRAWN
7/21/2001

ECN NUMBER
16551

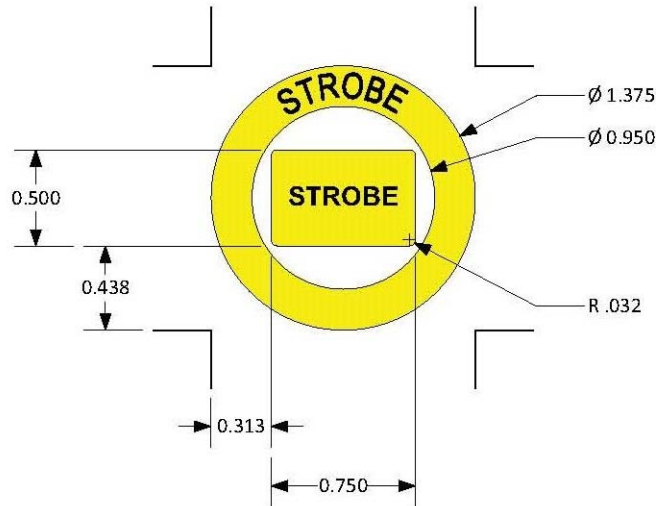
ECN DATE
7/22/2014

PART WEIGHT
0.02 LBS.

REV. LEVEL
C

PART NUMBER
26618-0

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)**

Page 1 of 1

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 WHENEVER POSSIBLE!

DRAWN BY
 RJB

DATE DRAWN
 11/15/2017

ECN NUMBER
 XXXX

ECN DATE
 XXXXXX

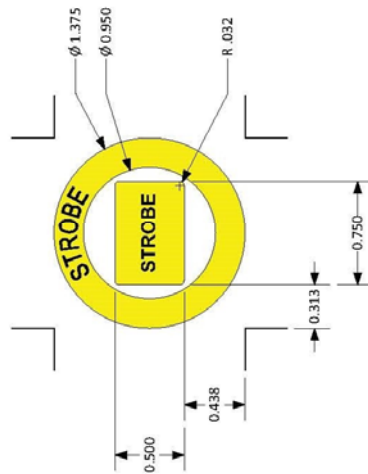
PART WEIGHT
 0.02 LBS.

REV. LEVEL
 A

PART NUMBER
55073

| REVISIONS | | | |
|-----------|-------------|------|--------|
| REV | DESCRIPTION | DATE | RE/ECO |
| | | | |
| | | | |

- NOTES:
1. MATERIAL : .002 YELLOW POLYESTER
 2. ARTWORK FROM D91XXXX-A PAGE 1, PMS BLACK
 3. .001 OVERLAMINATE
 4. ADHESIVE BACKED



| | | | | | |
|---|------|---|------|---|--|
| VANNER INCORPORATED HILLIARD, OHIO USA | | TOL. .x ± .025 LABEL/ .xx ± .015 METAL .xxx ± .005 | | TITLE: LABEL, STROBE TXT, .95ID ROUND SWITCH | |
| | | TOL. CABLES .xxx ± .25 DRNDATE MEO 11/14/17 CHKDATE XXX XXXXXX | | DRAWING/ PART NO. D01XXXX SHEET 1 OF 1 REV A | |
| SCALE: | NONE | REA/ECO NO.: | XXXX | THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF VANNER INC. AND MAY NOT BE COPIED, REPRODUCED OR DIVULGED TO UNAUTHORIZED PERSONS WITHOUT THE EXPRESS WRITTEN CONSENT OF VANNER INC. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST. | |

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DRAWN BY
RJB

DATE DRAWN
11/15/2017

ECN NUMBER
XXXX

ECN DATE
XXXXXXX

PART WEIGHT
0.02 LBS.

REV. LEVEL
A

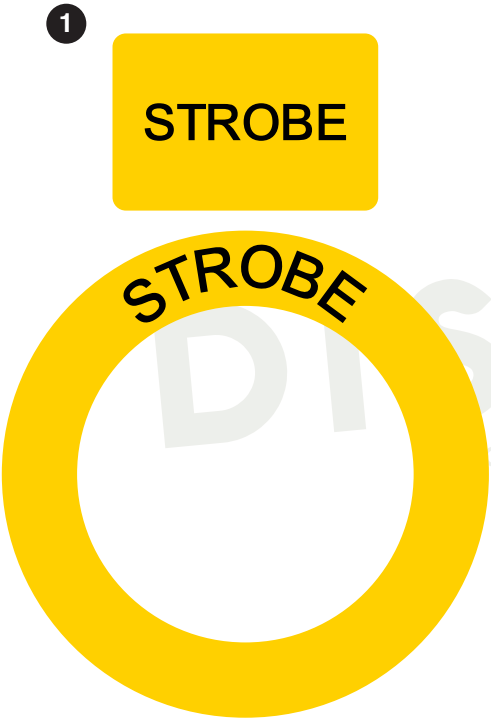
PART NUMBER
55073

PART NUMBER
55073

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

| | | | | | |
|--|--------------|-----------|---------------|--|----------------|
| <div><div>DISTYLL</div><div>GRAPHIC SOLUTIONS</div><div>FINAL DESIGN</div></div> | CLIENT NAME: | | Switch Decals | | O-ID: O15319-1 |
| | Adrian Steel | | | | Rev #: XXXX |
| | DATE: | DESIGNER: | | | Opt #: A |
| | O5/31/2023 | TRN | | | |

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 |
| <p>Note: This is also from HellermannTyton: Their Part Number is 156-00592</p> |



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| 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 | | | | |

| PURCHASED COMPONENT |
|---|
| REFERENCED SUPPLIER AND/OR MANUFACTURER |
| Fastenal |
| REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER |
| 0787863 |
| 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.) |
| NO |


| | | | |
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| PART / PRODUCT IDENTIFICATION | | | |
|  | ADRIAN STEEL® | | ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221 |
| | | | REVISION LEVEL A |
| MAT'L USED: | | DESIGNED BY: EMS | |
| DESCRIPTION: Clip, Black UV Tie, HellermannTyton | | | |
| WEIGHT (Lbs.): 0.5 | SEGMENT CODE: ELE | PART NUMBER: 59713 | |

| 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 | CURRENT ECN: 25378 |
| ALL DIMENSIONS ARE IN INCHES. | ECN DESCRIPTION: |
| REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION | RELEASE FOR PRODUCTION |
| FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031 | |
| HOLES/SLOTS 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015 | |
| ANGLES 0° = ± 2° 0.0° = ± 1° | |
| Material Thickness: per ASTM Std. Weld Callouts per AWS | REVISED BY: |

| PURCHASED COMPONENT | |
|---|--|
| REFERENCED SUPPLIER AND/OR MANUFACTURER AAMP GLOBAL | |
| REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER 67095 OR PWR-HAR4 | |
| 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.) | |
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| | DESIGNED BY: E.BURKE | | REVISION LEVEL A |
| MAT'L USED: PURCHASED | | DESCRIPTION: POWER HARNESS EXTERIOR 4 | |
| WEIGHT (Lbs.): 0.2 | SEGMENT CODE: ELE | PART NUMBER: 67095 | |

| 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 | | | | | | | A | |
| ALL DIMENSIONS ARE IN INCHES. | | | | | | | | |
| REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION | | | | | | | | |
| FEATURES | | | MAT'L USED: | | PURCHASED | | DESIGNED BY: E.BURKE | |
| HOLES/SLOTS | | | DESCRIPTION: | | | | | |
| ANGLES | | | SWITCH HARNESS 1 EXTERIOR LIGHTING | | | | | |
| 0.0 = ± .125 | | | WEIGHT (Lbs.): | | 0.2 | | SEGMENT CODE: | |
| 0.0 = ± .062 | | | 0.0 = ± .062 | | ELE | | PART NUMBER: | |
| 0.00 = ± .062 | | | 0.00 = ± .031 | | 67097 | | | |
| 0.000 = ± .031 | | | 0.000 = ± .015 | | | | | |
| Material Thickness: per ASTM Std. Weld Callouts per AWS | | | | | | | | |
| RELEASE & REVISIONS | | | PURCHASED COMPONENT | | | | | |
| INITIAL ECN: 25378 | | | REFERENCED SUPPLIER AND/OR MANUFACTURER | | | | | |
| CURRENT ECN: 25378 | | | AAMP GLOBAL | | | | | |
| ECN DESCRIPTION: | | | REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER | | | | | |
| RELEASE FOR PRODUCTION | | | SSW-HAR1 OR 67097 | | | | | |
| | | | 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.) | | | | | |
| REVISED BY: | | | NO | | | | | |

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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|--|------------------------|
| UNLESS OTHERWISE SPECIFIED | INITIAL ECN: 25378 |
| ALL BEND ANGLES ARE 90 DEGREES | CURRENT ECN: 25378 |
| ALL DIMENSIONS ARE IN INCHES. | ECN DESCRIPTION: |
| REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION | RELEASE FOR PRODUCTION |
| FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031 | |
| HOLES/SLOTS 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015 | |
| ANGLES 0° = ± 2° 0.0° = ± 1° | |
| Material Thickness: per ASTM Std. Weld Callouts per AWS | 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 REFERENCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.) |
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|--|--|--|--------------|
| 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 | | | |

PURCHASED
COMPONENT
KEY FEATURES

| DESCRIPTION OF REQUIREMENTS |
|--|
| DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING) <div>N/A</div> |
| LOAD/RATING REQUIREMENT <div>N/A</div> |
| MATERIAL REQUIREMENT <div>N/A</div> |
| PACKAGING REQUIREMENT <div>N/A</div> |
| OTHER REQUIREMENTS |




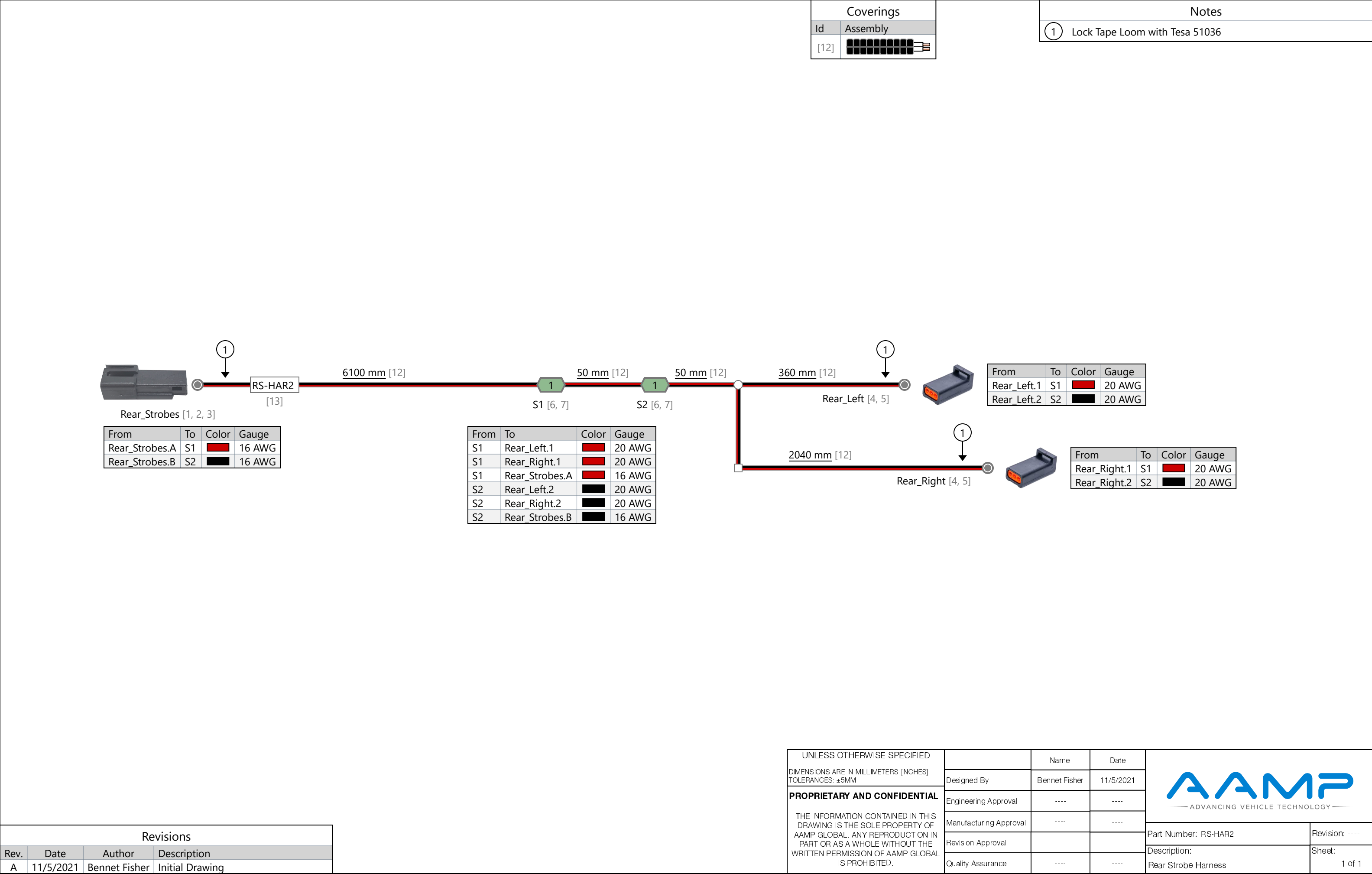
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DETRIMENTAL TO THE INTERESTS OF ADRIAN STEEL COMPANY

| 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 RS-HAR2 OR 67107 |
| COLOR (ONLY LIST IF COLOR SPECIFIC) NO |
| COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.) NO |

| PRINTED DOCUMENT IS UNCONTROLLED | | | Sheet 1 of 1 |
|---|-----------------------|-------------------|--|
| PART / PRODUCT IDENTIFICATION | | | |
|  | ADRIAN STEEL® | | ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221 |
| | DESIGNED BY: E.BURKE | | REVISION LEVEL A |
| MAT'L USED: | PURCHASED | | |
| DESCRIPTION: | REAR STROBE HARNESS 2 | | |
| WEIGHT (Lbs.): | 0.2 | SEGMENT CODE: ELE | PART NUMBER: 67107 |



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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DETRIMENTAL TO THE INTERESTS OF ADRIAN STEEL COMPANY

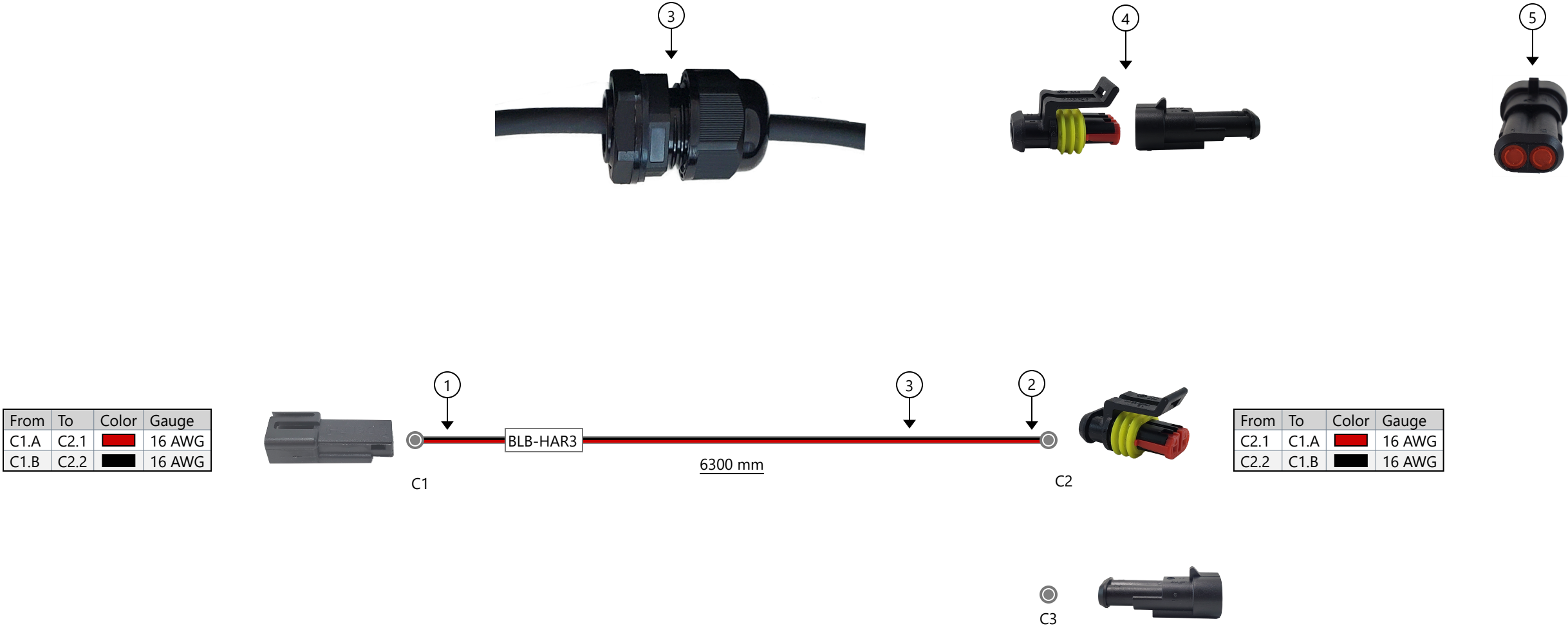
| TOLERANCES & INSPECTION | RELEASE & REVISIONS |
|--|------------------------|
| UNLESS OTHERWISE SPECIFIED | INITIAL ECN: 25378 |
| ALL BEND ANGLES ARE 90 DEGREES | CURRENT ECN: 25378 |
| ALL DIMENSIONS ARE IN INCHES. | ECN DESCRIPTION: |
| REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION | RELEASE FOR PRODUCTION |
| FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031 | REVISED BY: |
| HOLES/SLOTS 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015 | |
| ANGLES 0° = ± 2° 0.0° = ± 1° | |
| Material Thickness: per ASTM Std. Weld Callouts per AWS | |

| PURCHASED COMPONENT |
|---|
| REFERENCED SUPPLIER AND/OR MANUFACTURER AAMP GLOBAL |
| REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER BLB-HAR3 OR 67113 |
| 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.) |
| NO |

| PRINTED DOCUMENT IS UNCONTROLLED | | | Sheet 1 of 1 |
|--|--------------------------|--|---------------------------|
| PART / PRODUCT IDENTIFICATION | | | |
|  ADRIAN STEEL [®] | | ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221 | |
| MAT'L USED: PURCHASED | | DESIGNED BY: E.BURKE | |
| DESCRIPTION: BEACON/LIGHTBAR HARNESS 3 | | | |
| WEIGHT (Lbs.): 0.2 | SEGMENT CODE: EBE | | PART NUMBER: 67113 |

| Bill of Materials | | | | |
|-------------------|-----------|--------------|------------------------|----------|
| Id | Type | Manufacturer | Part Number | Quantity |
| 1 | Cable | | 16AWG 2C FT2 TPU Cable | 6300 mm |
| 2 | Cord Grip | | PG11 | 1 |

| Notes | |
|-------|---|
| ① | Heat shrink cable jacket and wire 20mm behind connector (Heat shrink = 38mm long) |
| ② | Place adhesive lined heat shrink over C2 connector wire cavities and cable jacket (Heat shrink = 38mm long) |
| ③ | Install Cable Gland/Cord Grip 300mm behind C2 |
| ④ | Plug C3 into C2 |
| ⑤ | C3 Cavities are sealed |



| Revisions | | | |
|-----------|-----------|---------------|--|
| Rev. | Date | Author | Description |
| | 11/5/2021 | Bennet Fisher | Initial Drawing |
| | 3/21/2022 | Bennet Fisher | Added 300mm to harness; changed female connector |
| A | 4/26/2022 | Bennet Fisher | Added adhesive lined heat shrink to C2 |

| | | | | | |
|--|------------------------|---------------|------------|---|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCHES] TOLERANCES: ±5MM PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AAMP GLOBAL. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AAMP GLOBAL IS PROHIBITED. | | Name | Date | | |
| | Designed By | Bennet Fisher | 04/26/2022 | | |
| | Engineering Approval | | | | |
| | Manufacturing Approval | | | | |
| | Revision Approval | | | Part Number: BLB-HAR3_ | |
| | Quality Assurance | | | Description: Beacon/Light Bar Harness - 6.3 Meters | |
| | | | | Revision: A Sheet: 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 | RELEASE & REVISIONS |
|--|-----------------------|
| UNLESS OTHERWISE SPECIFIED | INITIAL ECN: 25921 |
| ALL BEND ANGLES ARE 90 DEGREES | CURRENT ECN: 25921 |
| ALL DIMENSIONS ARE IN INCHES. | ECN DESCRIPTION: |
| REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION | RELEASE TO PRODUCTION |
| FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031 | REVISED BY: N/A |
| HOLES/SLOTS 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015 | |
| ANGLES 0° = ± 2° 0.0° = ± 1° | |
| Material Thickness: per ASTM Std. Weld Callouts per AWS | |

| 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 REFERENCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.) NO |

| | | | |
|---|--------------------------|-------------------------|--|
| PRINTED DOCUMENT IS UNCONTROLLED | | | Sheet 1 of 1 |
| 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 |

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 |
| WHELEN LIGHTBAR: R2LPPCA WITH EXTERIOR PLUG AND PLAY CONNECTOR CLEAR LENS AMBER LED'S |
| CUSTOM R2LPPCA WITH W446, WPF. 2 SOCK CONNECTR KIT AMP WITH LOOM / GROMET / PATTERN WIRE TAPE / SETTING OF THE PATTERN |
| WHELEN PART NUMBER: R2LPPCA-AS CUSTOM / 01-0689088C1P0 |




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DETRIMENTAL TO THE INTERESTS OF ADRIAN STEEL COMPANY

| TOLERANCES & INSPECTION | RELEASE & REVISIONS |
|--|---------------------------------|
| UNLESS OTHERWISE SPECIFIED | INITIAL ECN: 25921 |
| ALL BEND ANGLES ARE 90 DEGREES | CURRENT ECN: 28678 |
| ALL DIMENSIONS ARE IN INCHES. | ECN DESCRIPTION: |
| REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION | Add Updated Part Number to PPDS |
| FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031 | REVISED BY: LJK |
| HOLES/SLOTS 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015 | |
| ANGLES 0° = ± 2° 0.0° = ± 1° | |
| Material Thickness: per ASTM Std. Weld Callouts per AWS | |

| PURCHASED COMPONENT |
|---|
| REFERENCED SUPPLIER AND/OR MANUFACTURER WHELEN |
| REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER R2LPPCA-AS CUSTOM / 01-0689088C1P0 |
| COLOR (ONLY LIST IF COLOR SPECIFIC) CLEAR LENS / AMBER LED'S |
| COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.) NO |

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: EMB | |
| DESCRIPTION: WHELEN LP LGHTBR AM W/CON | | | |
| WEIGHT (Lbs.): 1.5 | SEGMENT CODE: EBE | PART NUMBER: 67692 | |