

## CATALOG NUMBER

**Wire Harness**

**66987**

**Backup Alarm**



## PRODUCT FEATURES

- This product is compatible with the Ford Lightning.
- This kit includes a white noise backup alarm (61501) and a wire harness (67970).
- This kit does not require any OEM options.
- This product is NOT compatible with BLIS.
- How this product works: As the vehicle approaches objects the alarm will sound when the vehicle is in reverse.

## Model Year Validated:

2022

# PURCHASED COMPONENT KEY FEATURES

## DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

**Note:**

**AAMP Part # BUA-97WNC**



THIS DRAWING IS THE PROPERTY OF ADRIAN STEEL COMPANY AND IS NOT TO BE USED IN ANY MANNER 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: **23456**

CURRENT ECN: **25415**

ECN DESCRIPTION:

**Revise MPN on Alarm PPDS**

REVISED BY: **JLT**

## PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

**AAMP**

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

**BUA-97WNC**

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

REVISION LEVEL

**A**

MAT'L USED:

DESIGNED BY: **PEN**

DESCRIPTION:

**B/U ALM, WHITE NOISE TR**

WEIGHT (Lbs.): **2**

SEGMENT CODE: **ELE**

PART NUMBER: **61501**

# PURCHASED COMPONENT KEY FEATURES

## DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

**NOTE:**

**PLUG AND PLAY HARNESS, DOES NOT INCLUDE ALARM.**

**FOR F-150 LIGHTNING.**



THIS DRAWING IS THE PROPERTY OF ADRIAN STEEL COMPANY AND IS NOT TO BE USED IN ANY MANNER 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: **67970**

CURRENT ECN: **67970**

ECN DESCRIPTION:

**Release to production**

REVISED BY: **N/A**

# PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

**AAMP**

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

**67970 or P-BUA-LIGHTNING**

COLOR (ONLY LIST IF COLOR SPECIFIC)

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

**YES**

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:

DESIGNED BY: **JLT**

DESCRIPTION:

**HARN, BUA-LIGHTNING**

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

SEGMENT CODE: **ALA**

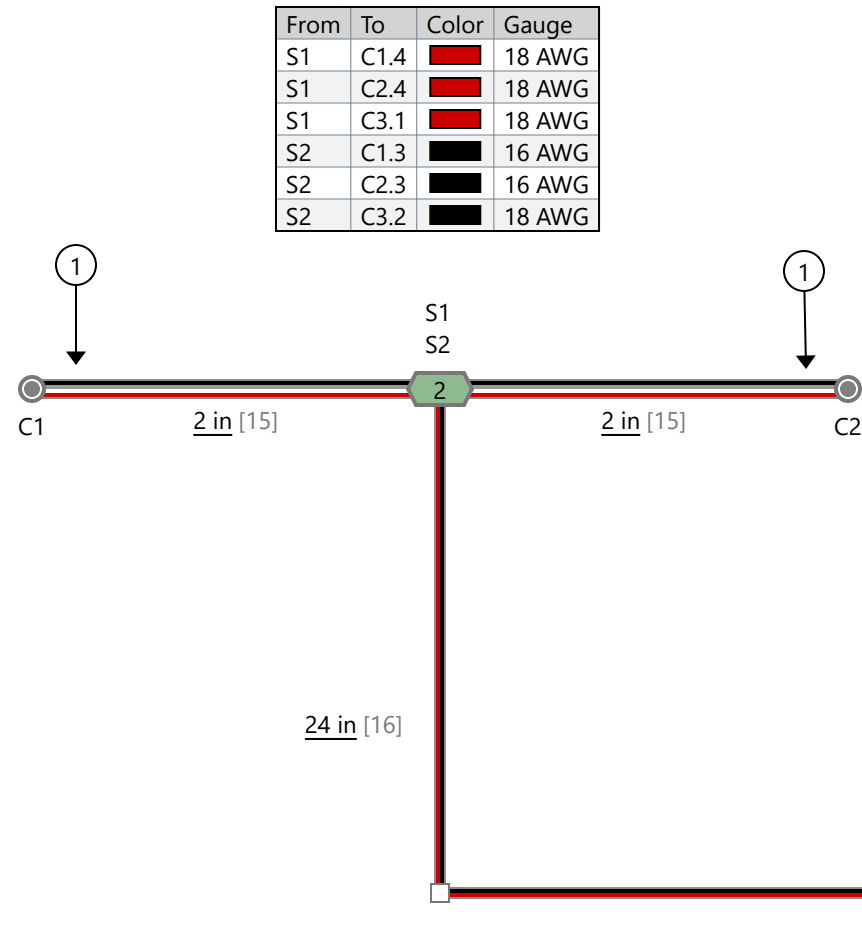
PART NUMBER: **67970**

Bill of Materials				
Id	Type	Manufacturer	Part Number	Quantity
15	Tape	Tesa	51036	
16	Corrugated Tubing		0.25" Black Corrugated Tubing	24 in

Coverings	
Id	Assembly
[15]	
[16]	

Notes	
①	Cover wiring with cloth tape; leave 1/2" of exposed wiring behind connector
②	Lock tape split loom behind C3

From	To	Color	Gauge
C1.1	C2.1	White	18 AWG
C1.2	C2.2	Grey	18 AWG
C1.3	S2	Black	16 AWG
C1.4	S1	Red	18 AWG
C1.5	C2.5	White	18 AWG
C1.6	C2.6	Grey	18 AWG
C1.7	C2.7	Black	16 AWG
C1.8	C2.8	White	18 AWG
C1.9	C2.9	Grey	18 AWG
C1.10	C2.10	White	18 AWG
C1.11	C2.11	Grey	18 AWG
C1.12	C2.12	White	18 AWG




From	To	Color	Gauge
C2.1	C1.1	White	18 AWG
C2.2	C1.2	Grey	18 AWG
C2.3	S2	Black	16 AWG
C2.4	S1	Red	18 AWG
C2.5	C1.5	White	18 AWG
C2.6	C1.6	Grey	18 AWG
C2.7	C1.7	Black	16 AWG
C2.8	C1.8	White	18 AWG
C2.9	C1.9	Grey	18 AWG
C2.10	C1.10	White	18 AWG
C2.11	C1.11	Grey	18 AWG
C2.12	C1.12	White	18 AWG



From	To	Color	Gauge
C3.1	S1	Red	18 AWG
C3.2	S2	Black	18 AWG

Revisions			
Rev.	Date	Author	Description
A	4/28/2022	Bennet Fisher	Initial Drawing

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCHES] TOLERANCES: ±5MM</p> <p><b>PROPRIETARY AND CONFIDENTIAL</b></p> <p>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.</p>	Name	Date		
	Designed By	Bennet Fisher		04/28/2022
	Engineering Approval			
	Manufacturing Approval			
	Revision Approval			
Quality Assurance			Part Number: P-BUA-LIGHTNING_ Description: 2022 Ford Lightning Backup Alarm T-Harness	
			Revision: A Sheet: ----	



**P-BUA-LIGHTNING**

**Wiring Harness for Backup Alarm  
2022 Ford Lightning**

**INSTALLATION MANUAL**



**C O M M E R C I A L**

# Thank you for purchasing the **P-BUA-LIGHTNING**



## **Table of Contents**

Page 3 - Tools Required For Installation  
Page 6 - Vehicle Settings

## **WHAT'S INCLUDED:**

- Vehicle Specific Wire Harness (P-BUA-LIGHTNING)

## **COMPATIBLE ACCESSORIES:**

- 97dB Backup Alarm (BUA-97C)
- 97dB White Noise Backup Alarm (BUA-97WNC)



## TOOLS REQUIRED:

---



1. 10mm Nut-setter
2. 8mm Nut-setter
3. Impact Drill
4. Diagonal Cutters



C O M M E R C I A L

.....

## STEP 1:

Use an impact drill and 8mm nut-setter to remove the two fasteners that hold the driver side tail lamp in place. Then remove the tail lamp.



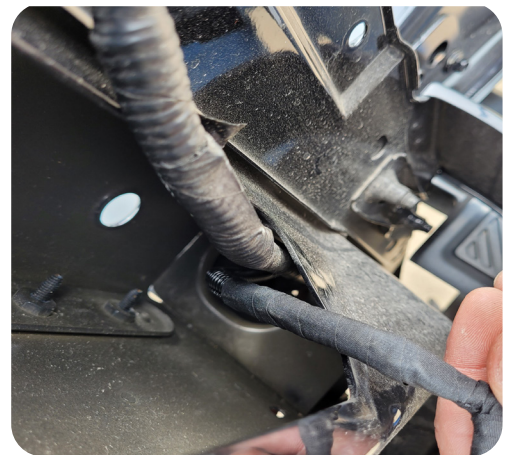
## STEP 2:

Unplug the OEM connector from the tail lamp and install the P-BUA-LIGHTNING harness between the OEM harness connector and tail lamp connector.



## STEP 3:

Route the harness down the inside of the tail lamp cavity and down below the truck. Then re-install the driver side tail lamp



.....

## STEP 4:

Use an impact drill and 10mm nut-setter to install a compatible backup alarm on the underside of the vehicle

Note: (2) 10mm TEK screws are provided with the compatible backup alarm



Rear of Vehicle

## STEP 5:

Plug the backup alarm connector into the mating connector on the P-BUA-LIGHTNING harness. Secure any excess wiring with cable ties. Use diagonal cutters to remove excess cable tie material.



## STEP 6:

Test the backup alarm

.....



C O M M E R C I A L

Phone – 866-931-8021 (option 3)

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

**AAMP Commercial is a Power Brand of AAMP Global**

[aampcommercial.com](http://aampcommercial.com)