

CATALOG NUMBER

Wire Harness

68445

Backup Alarm



PRODUCT FEATURES

- This product is compatible with the Ford Lightning.
- This kit has a 97dB backup alarm (64019) and a wire harness (67970).
- There are no OEM options required for this product.
- This product is NOT compatible with BLIS in a vehicle.
- How this product works: As the vehicle approaches different 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
<p>Note:</p> <p>97dB Backup Alarm module</p> <p>Alarm only, requires vehicle specific harness</p>



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:	24579
CURRENT ECN:	25366
ECN DESCRIPTION: Update PPDS for B/U Alarm and GPS Reader	
REVISED BY: JLT	


PURCHASED
COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
AAMP
REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER
BUA-97C
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 C
MAT'L USED:				DESIGNED BY: A. BUSSING		
DESCRIPTION: B/U ALM. MODULAR						
WEIGHT (Lbs.): 1.0		SEGMENT CODE: ALA		PART NUMBER: 64019		

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.



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TOLERANCES & INSPECTION	RELEASE & REVISIONS
UNLESS OTHERWISE SPECIFIED ALL BEND ANGLES ARE 90 DEGREES ALL DIMENSIONS ARE IN INCHES. REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION	INITIAL ECN: 67970
FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031	CURRENT ECN: 67970
HOLES/SLOTS 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015	ECN DESCRIPTION: Release to production
ANGLES 0° = ± 2° 0.0° = ± 1°	REVISED BY: N/A
Material Thickness: per ASTM Std. Weld Callouts per AWS	

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

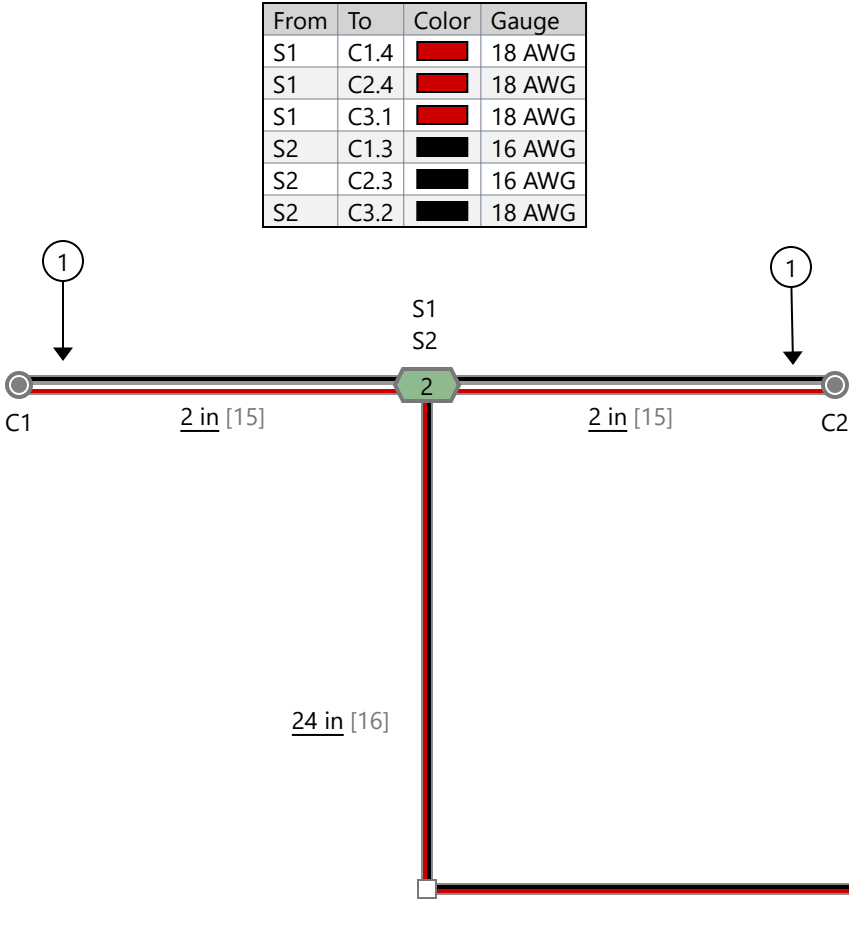
PRINTED DOCUMENT IS UNCONTROLLED			Sheet 1 of 1
PART / PRODUCT IDENTIFICATION			
 ADRIAN STEEL [®]		ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221	
MAT'L USED:		DESIGNED BY: JLT	REVISION LEVEL A
DESCRIPTION: HARN, BUA-LIGHTNING			
WEIGHT (Lbs.): .01	SEGMENT CODE: ALA	PART NUMBER: 67970	

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		18 AWG
C1.2	C2.2		18 AWG
C1.3	S2		16 AWG
C1.4	S1		18 AWG
C1.5	C2.5		18 AWG
C1.6	C2.6		18 AWG
C1.7	C2.7		16 AWG
C1.8	C2.8		18 AWG
C1.9	C2.9		18 AWG
C1.10	C2.10		18 AWG
C1.11	C2.11		18 AWG
C1.12	C2.12		18 AWG



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



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

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

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	04/28/2022		
	Engineering Approval				
	Manufacturing Approval			Part Number: P-BUA-LIGHTNING_	
	Revision Approval			Description:	
	Quality Assurance			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)

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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

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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.



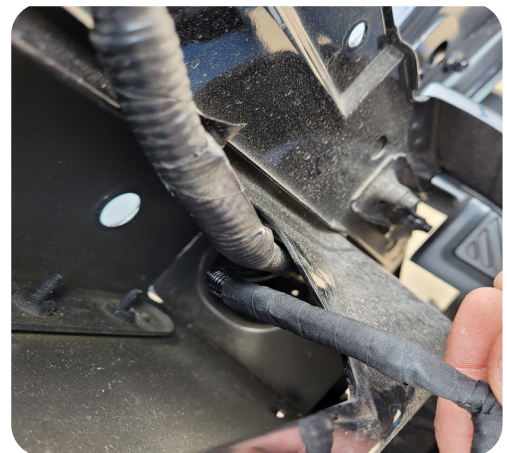
STEP 2:

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



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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

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Phone – 866-931-8021 (option 3)

E-Mail – support@aampglobal.com

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