

<div>PURCHASED COMPONENT KEY FEATURES</div>	
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	
PLUG AND PLAY HARNESS, DOES NOT INCLUDE ALARM	
2024 MDY RANGER	



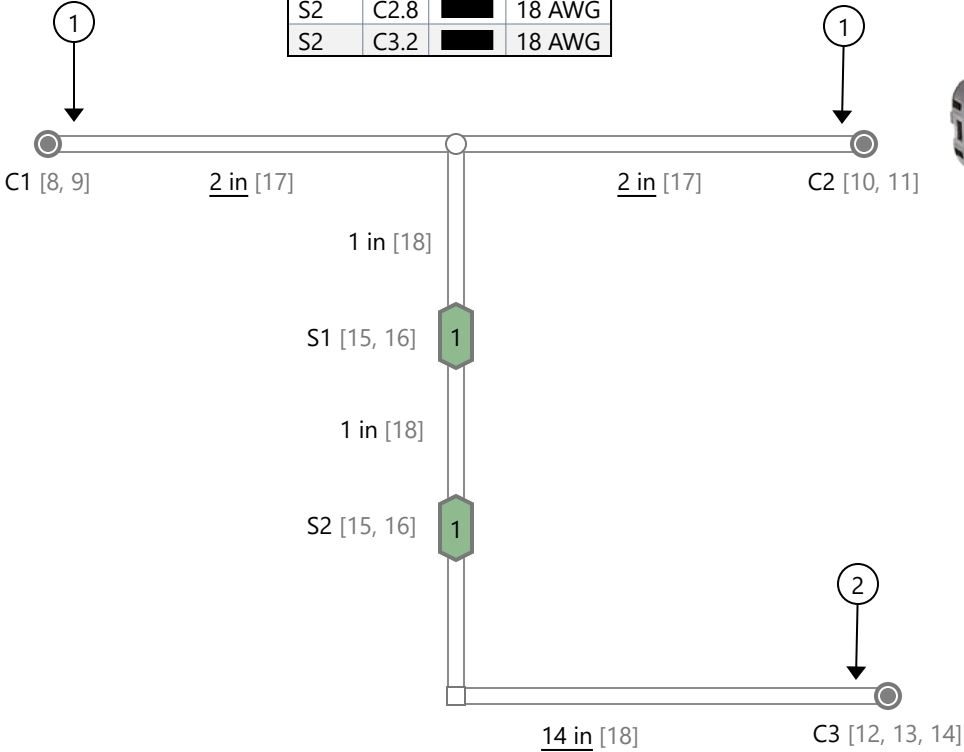
THIS DRAWING IS THE PROPERTY OF ADRIAN STEEL COMPANY AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF ADRIAN STEEL COMPANY		PRINTED DOCUMENT IS UNCONTROLLED		Sheet 1 of 1	
TOLERANCES & INSPECTION		PART / PRODUCT IDENTIFICATION			
UNLESS OTHERWISE SPECIFIED ALL BEND ANGLES ARE 90 DEGREES ALL DIMENSIONS ARE IN INCHES. REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION		ADRIAN STEEL® ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221			REVISION LEVEL A
FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031		MAT'L USED:		DESIGNED BY: E.BURKE	
HOLES/SLOTS 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015		DESCRIPTION: HARN, BUA RA 24 NO BLIS			
ANGLES 0° = ± 2° 0.0° = ± 1°		WEIGHT (Lbs.): 0.75		SEGMENT CODE: ALA	
Material Thickness: per ASTM Std. Weld Callouts per AWS				PART NUMBER: 72501	
RELEASE & REVISIONS		PURCHASED COMPONENT			
INITIAL ECN: 26915		REFERENCED SUPPLIER AND/OR MANUFACTURER AAMP			
CURRENT ECN: 26915		REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER P-BUA-RANGER-24			
ECN DESCRIPTION: RELEASEFOR PRODUCTION		COLOR (ONLY LIST IF COLOR SPECIFIC) No			
REVISED BY: N/A		COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)			

Bill of Materials				
Id	Type	Manufacturer	Part Number	Quantity
1	Wire		18 AWG Black GXL	22 in
2	Wire		18 AWG Red GXL	21 in
3	Wire		18 AWG Blue GXL	4 in
4	Wire		18 AWG Gray GXL	4 in
5	Wire		18 AWG Green GXL	4 in
6	Wire		18 AWG Orange GXL	4 in
7	Wire		18 AWG White GXL	8 in
8	Connector	Molex	33472-4801	1
9	Contact	Molex	33012-3002	8
10	Connector	Molex	33482-4801	1
11	Contact	Molex	33000-1002	8
12	Connector	TE Connectivity - Deutsch	DT04-2P	1
13	Contact	TE Connectivity	1060-16-0122	2
14	Lock	TE Connectivity	W2P	1
15	Splice	TE	Generic Splice	2
16	Heat Shrink	CYG	CB-DWT-3/16	2
17	Tape	Tesa	51036	
18	Corrugated Tubing		0.25" Nylon Split Wall	16 in

Coverings	
Id	Assembly
[17]	
[18]	

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	From Contact PN
C1.1	C2.1		18 AWG	33012-3002
C1.2	S1		18 AWG	33012-3002
C1.3	C2.3		18 AWG	33012-3002
C1.4	C2.4		18 AWG	33012-3002
C1.5	C2.5		18 AWG	33012-3002
C1.6	C2.6		18 AWG	33012-3002
C1.7	C2.7		18 AWG	33012-3002
C1.8	S2		18 AWG	33012-3002



From	To	Color	Gauge
S1	C1.2		18 AWG
S1	C2.2		18 AWG
S1	C3.1		18 AWG
S2	C1.8		18 AWG
S2	C2.8		18 AWG
S2	C3.2		18 AWG

From	To	Color	Gauge	From Contact PN
C2.1	C1.1		18 AWG	33000-1002
C2.2	S1		18 AWG	33000-1002
C2.3	C1.3		18 AWG	33000-1002
C2.4	C1.4		18 AWG	33000-1002
C2.5	C1.5		18 AWG	33000-1002
C2.6	C1.6		18 AWG	33000-1002
C2.7	C1.7		18 AWG	33000-1002
C2.8	S2		18 AWG	33000-1002

From	To	Color	Gauge	From Contact PN
C3.1	S1		18 AWG	1060-16-0122
C3.2	S2		18 AWG	1060-16-0122



Revisions			
Rev.	Date	Author	Description
A	12/12/2023	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	10/06/2020		
	Engineering Approval				
	Manufacturing Approval				
	Revision Approval			Part Number: P-BUA-RANGER-24	
	Quality Assurance			Description: 2024 Ford Ranger - No BLIS/with Incandescent Backup Alarm Harness	
				Revision: A	
				Sheet: ----	



P-BUA-RANGER-24

Wiring Harness for Backup Alarm 2024 Ford Ranger

INSTALLATION MANUAL

Stinger[®]

Thank you for purchasing the
P-BUA-RANGER-24



Table of Contents

Page 3 - Tools Required For Installation

WHAT'S INCLUDED:

- Vehicle Specific Wire Harness (P-BUA-RANGER-24)

COMPATIBLE ACCESSORIES:

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



TOOLS REQUIRED:

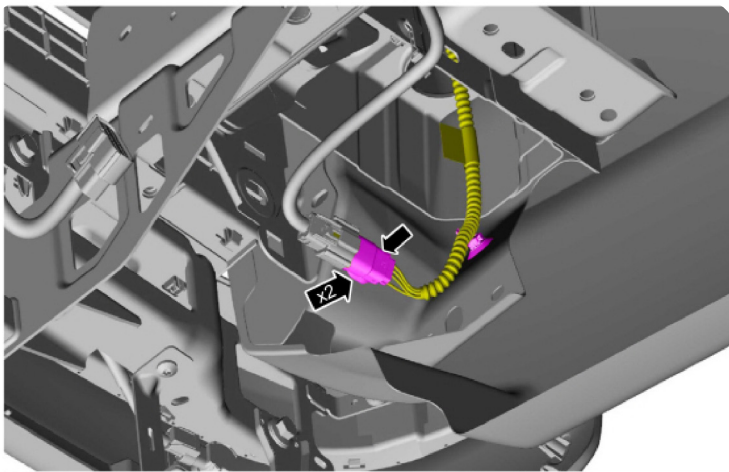


1. 10mm Nut-setter
2. Impact Drill
3. Diagonal Cutters



STEP 1:

Locate the OEM tail lamp connector that is directly below the tail lamp on the underside of the vehicle.



STEP 2:

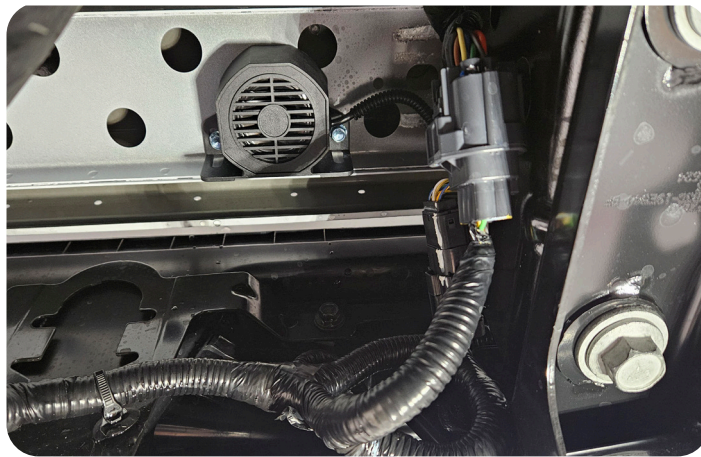
Unplug the OEM connector and install the P-BUA-RANGER-24 harness between the OEM connectors



STEP 3:

Use an impact drill and 10mm nut-setter to install a compatible backup alarm on the underside of the vehicle; inside the driver side frame rail, near the back end of the truck.

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



STEP 4:

Plug the backup alarm connector into the mating connector on the P-BUA-RANGER-24 harness. Secure any excess wiring with cable ties. Use diagonal cutters to remove excess cable tie material.

STEP 5:

Test the backup alarm





Stinger[®]

Phone – 866-931-8021 (option 3)

E-Mail – techsupport@stingersolutions.com

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REV. A