



P-BUA-RANGER

**Wiring Harness for Backup Alarm  
2019-2021 Ford Ranger**

**INSTALLATION MANUAL**



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

---

**Table of Contents**

**Page 3** - Tools Required For Installation

---

**WHAT'S INCLUDED:**

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

---

**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:

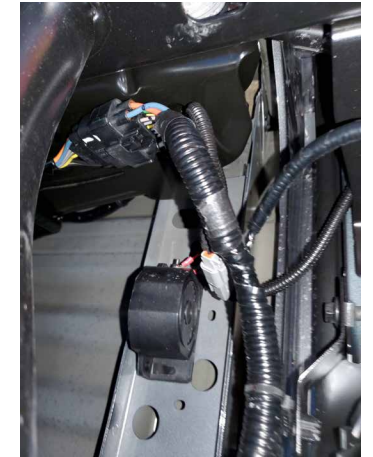
Locate the OEM tail lamp connector that is on the outside of the driver side frame rail



### 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



### STEP 2:

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



### STEP 5:

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

### STEP 3:

Route the harness over the top side of the frame rail, toward the center of the truck

### STEP 6:

Test the backup alarm



Phone: 866.931.8021 (Option 3)  
Email: [support@aampglobal.com](mailto:support@aampglobal.com)

EchoMaster is a Power Brand of AAMP Global

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