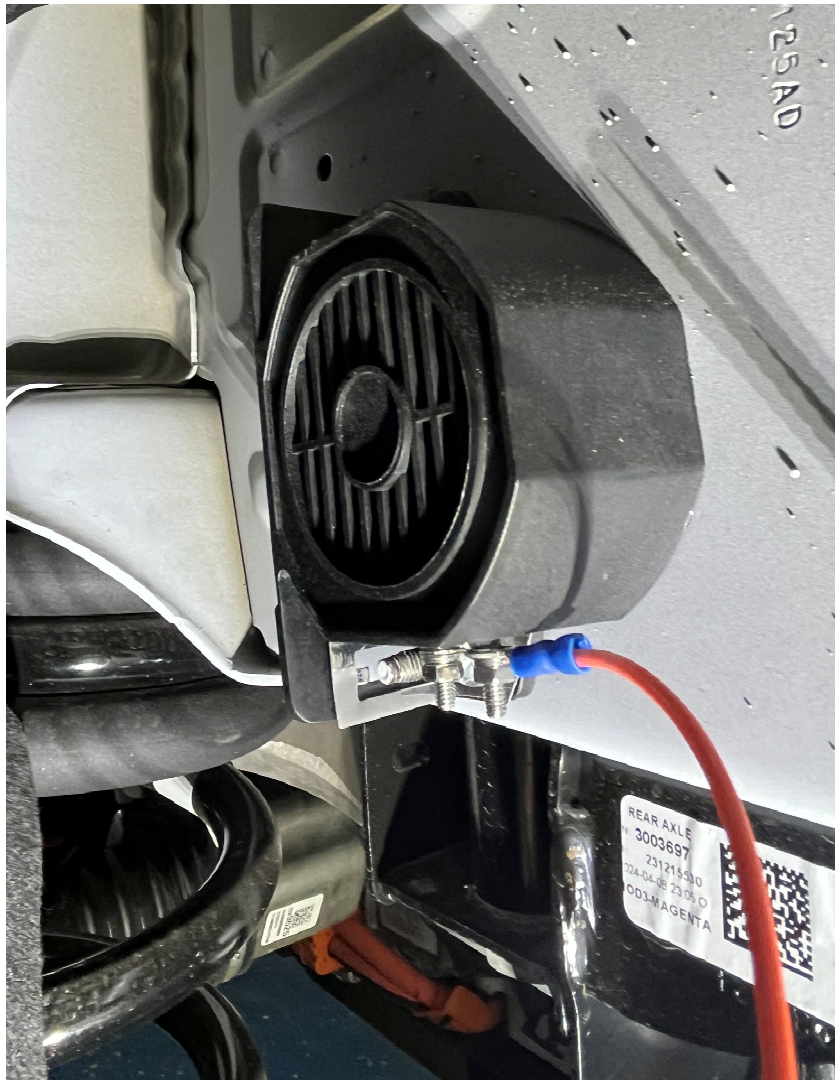


Introduction / Comments:

Install Instructions For Exterior Plug & Play Lights For Transit

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 97db Backup Alarm For Silverado EV

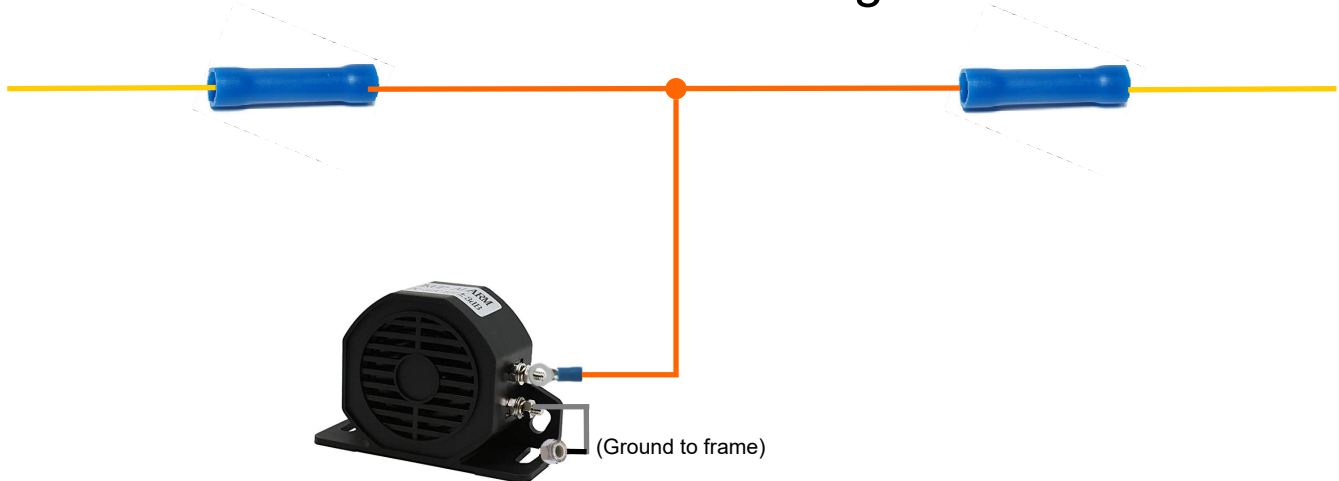
Table of Contents:

Torque requirements.....	2
Overall Harness Diagram.....	2
Tools needed.....	3
Components Needed	3
Component Placements.....	4
Install.....	5-6

*****TORQUE*****
Torque both alarm
fasteners to 10 in-lbs.
DO NOT OVER TIGHTEN

**DO NOT MOUNT ON A
CURVED SURFACE**

Overall Harness Diagram



Tools required:



T-30 Torque bit

Impact Driver and Heat Gun

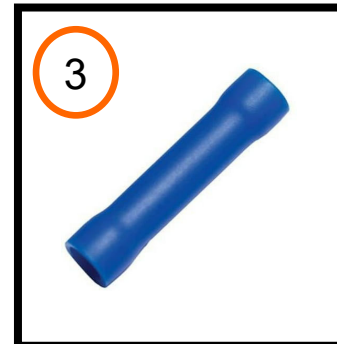
Wire Stripper/Cutter

10mm Deep Well Socket

Terminal Crimper

Seam Ripper

Components

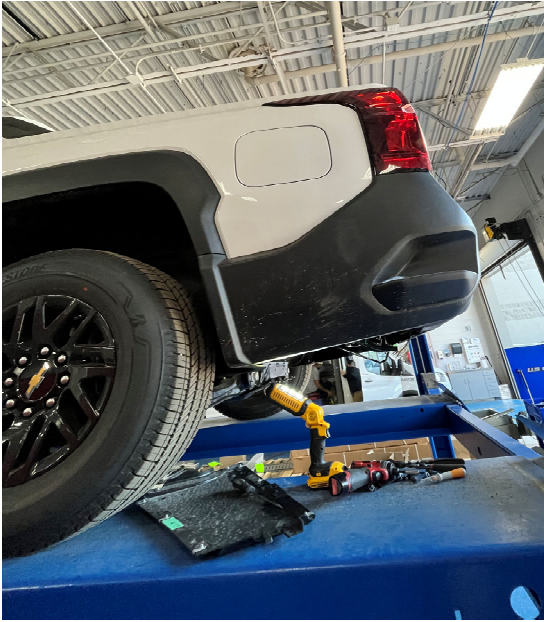


ID	Part Number	Description
1	BA97KITS (Quantity: 1)	97db Backup Alarm Kit
2	FAS0159 (Quantity: 2)	10mm Hex Lock Nut
3	35468-0 (Quantity: 3)	Wire Butt Connectors, 14-16 Gauge

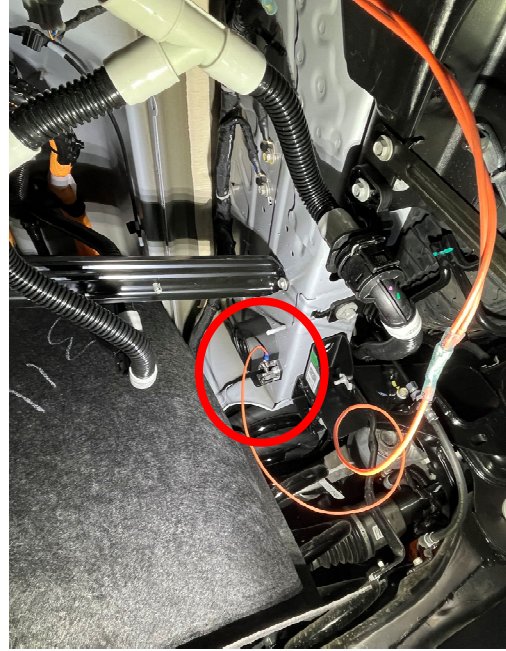
Contains: (1) 97 db Backup Alarm
(1) 64" Loomed Wire Harness
(2) 1/4" Self-Tapping Screws
(1) Warning Decal

Placements

General placement: Under back-driver's side of truck bed



Under Truck: Alarm screwed into vehicle frame (right of wheel well).



Reverse Signal View: Back driver's side of vehicle. Yellow wire (once visible)



Wiring pictures are for reference only.



Figure 5.1

Step 1: Use a T-30 Torque Bit to remove the thin black trim panel (illustrated in red) on the back-driver's side of the bed. It will make it easier to get at the necessary wiring. Figure 5.1.

Locate the Trailer Tow Wiring harness, and follow it to the now exposed wiring area.

Find an area that's accessible, and strip the harness using a Seem Ripper to expose the seven wires going to the Trailer Tow.

Locate the yellow Reverse Signal wire in the stripped harness. Cut the wire and strip its ends using a Wire Stripper to expose the wire. Figure 5.2.

Strip the ends off two pieces of your own wire.

Using the provided Wire Butt Connectors, connect the Reverse Signal Wire to your wires and crimp both sides with a Crimper.

Use Heat Gun on butt connectors to insulate the exposed copper on both sides.

Final install should resemble Figure 5.3.



Figure 5.2



Figure 5.3

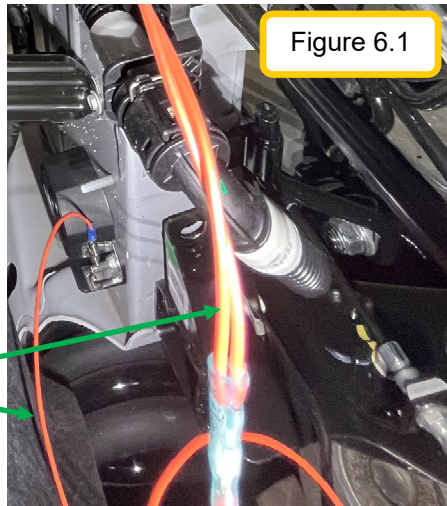


Figure 6.1

Goes from
the two
wires in Step
1, to one
new wire

Step 2: Use the final butt connector to combine the two wires interrupting the Reverse Signal wire with another of your own wires. Figure 6.1.

Crimp the ends of the butt connector, and use the Heat Gun to insulate the exposed copper.

Step 3: The mounting location for the alarm will be to the right of the driver's side back wheel well, anchored to the vehicle frame studs using the (2) FAS0159 nuts. Use Figure 6.2 for placement reference.

Before mounting, make sure there is ample room for the wire leads to the alarm to be connected.

Affix a ring terminal to the wire coming from the Reverse Signal interruption (via crimping), and attach to the signal terminal (showing in Figure 6.3).

Use one 10mm Hex Lock Nut to fasten the wire onto the terminal.

For the ground terminal, connect it to the screw anchoring the alarm to the frame. Fasten the ground connection using the other 10mm Hex Lock Nut.

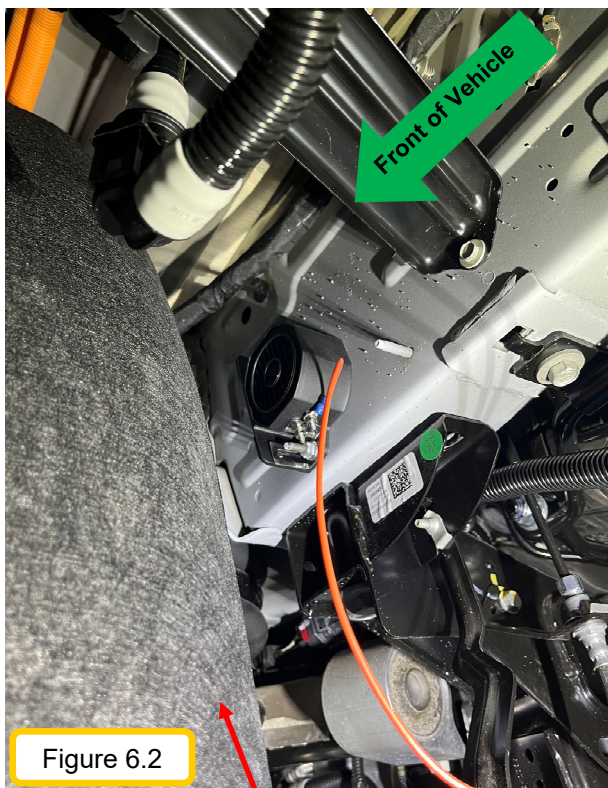


Figure 6.2

Wheel Well

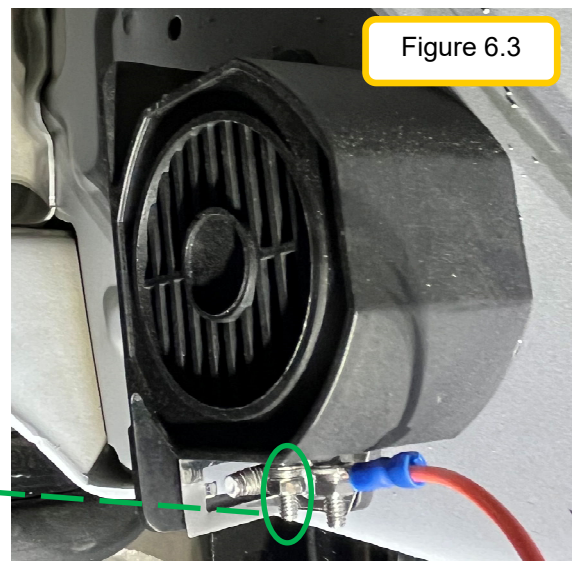
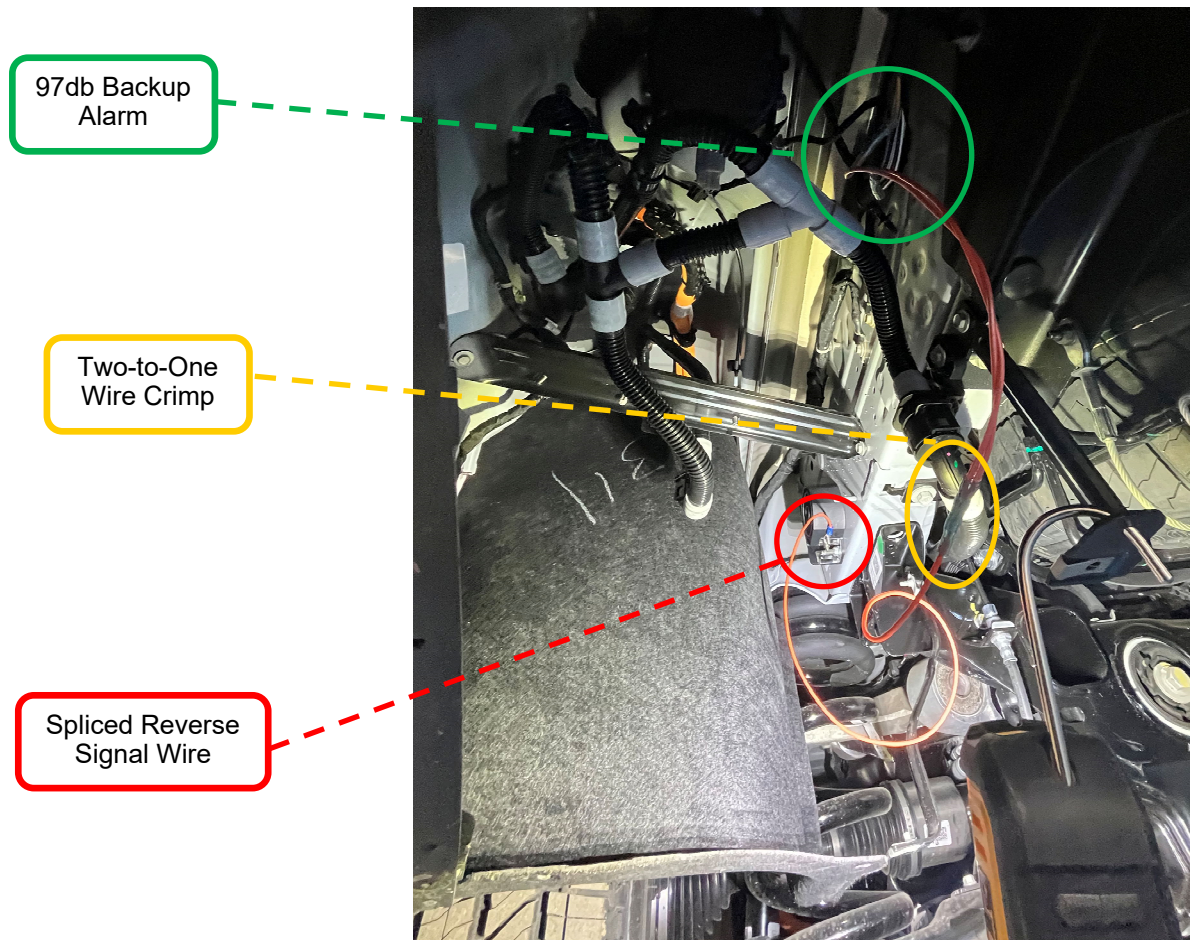
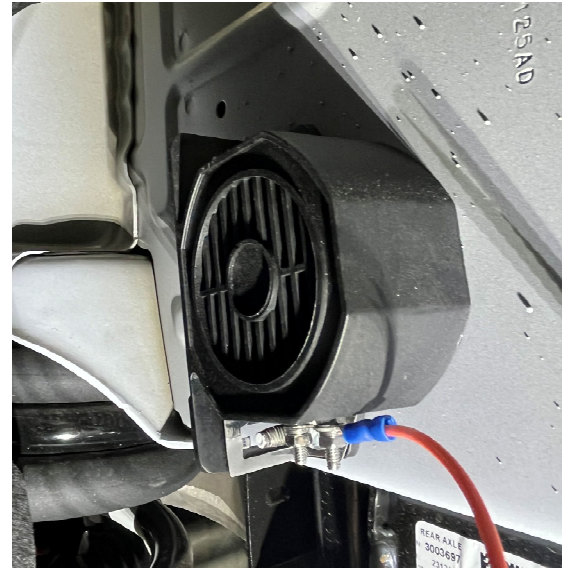
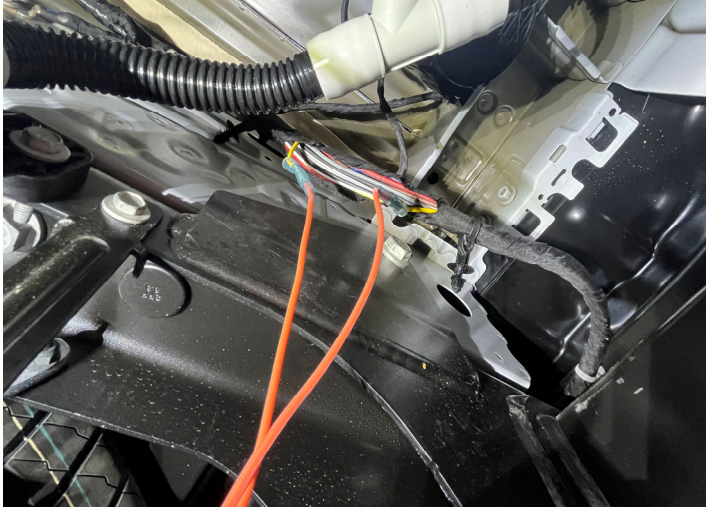


Figure 6.3

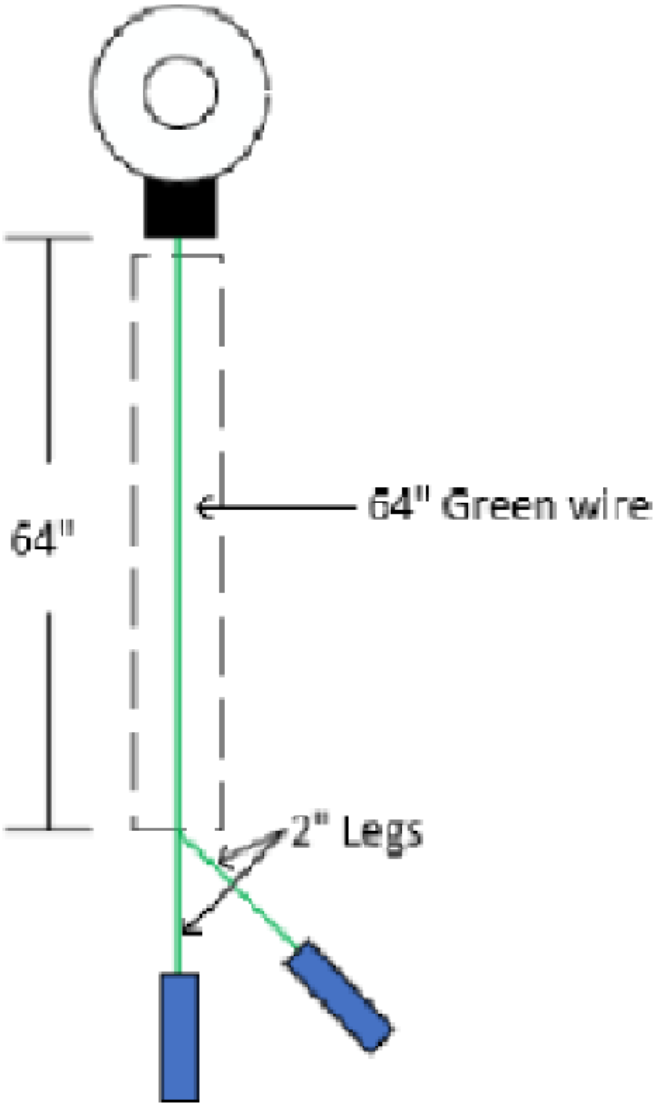
GND

Make sure to secure all wiring with zip ties, and then the install is now complete. Re-attach all trim. Re-assure all spliced wires have been properly connected. Double check the functionality of the backup alarm itself.

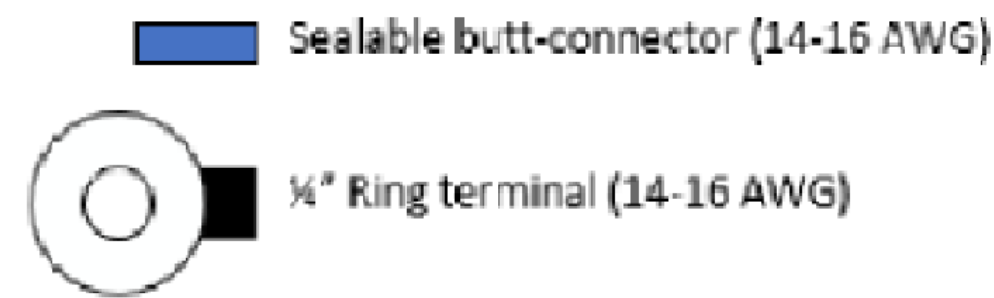


PURCHASED
COMPONENT
KEY FEATURES

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
Specifications: - 64" green 16 AWG wire (loomed) with (1) 1/4" ring termianl and (2) 2" green 16 AWG wire legs with (1) sealable butt-connector each. - (2) 1/4" tek screws - (1) BUA-97 backup alarm



BA97KITS Kit includes:
(2) 1/4" x 1/4" Tek screw
(1) BUA-97 backup alarm



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: 07913
CURRENT ECN: 27784
ECN DESCRIPTION: Update Manuf#
REVISED BY: MLH

PURCHASED
COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER
AAMP
REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER
BUA-97-U or W/BA97-KITS-H
COLOR (ONLY LIST IF COLOR SPECIFIC)
COMMODITY 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 I
MAT'L USED:		DESIGNED BY: RLS	
DESCRIPTION: ALM,NFN 97DB BACKUP KIT			
WEIGHT (Lbs.): 2.0	SEGMENT CODE: ALA	PART NUMBER: BA97KITS	

Introduction / Comments:

97 dB Backup Alarm installation instructions.

Note:

Read all instructions prior to installation. Only personnel familiar with using electrical best practices should perform this install. Due care must be used when routing all wires to avoid sharp, moving, and hot parts. All holes drilled or pass-through's must be sealed with silicone.



BA97KITS
97 dB Backup Alarm Kit
(NOT for use on Ford Transit FSV, Ram Promaster, Ram Promaster City, Chevrolet Silverado)

- PRECAUTIONS -



 **CAUTION** 
**THE USE OF AIR IMPACT TOOLS CAN
OVER-TORQUE FASTENERS AND
CAUSE FASTENER FAILURE!**



 **CAUTION** 
**ALL INSTALLATION HOLES SHOULD BE SEALED
WITH SILICON OR BUTYL SEALANT TO PREVENT
EXHAUST FUMES FROM ENTERING THE VEHICLE!**



 **DANGER** 
**INSPECT FOR FUEL TANK, FUEL LINES, BRAKE LINES, HIGH
VOLTAGE BATTERIES AND ELECTRICAL LINES PRIOR TO
DRILLING TO AVOID DAMAGING CRITICAL VEHICLE SYSTEMS
OR INJURY TO INSTALLER DURING INSTALLATION PROCESS!**



 **CAUTION** 
**TO AVOID DAMAGING THE VEHICLE ALWAYS USE DRILL
STOPS WHEN DRILLING ANY INSTALLATION HOLES!
ADRIAN AVAILABLE PART #'S 31121-0 (1/2" DEEP),
31122-0 (3/4" DEEP)**



- IMPORTANT WARRANTY REQUIREMENTS -

1. SUBSTITUTING ADRIAN STEEL SPECIFIED FASTENERS FOR ASSEMBLY AND/OR INSTALLATION WILL VOID YOUR PRODUCT WARRANTY.
2. ALL HOLES DRILLED INTO VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE.
3. ALL FASTENERS USED IN THE INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE TORQUE(S) SPECIFIED IN THESE INSTRUCTIONS.
4. THESE INSTRUCTIONS SHOULD BE KEPT WITH THE VEHICLE.

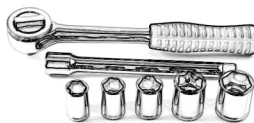
THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



DRILL



DRILL BIT WITH
STOP



RATCHET, SOCKETS
AND/OR WRENCHES



SCREWDRIVERS



MEASURING TAPE

ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

- ELECTRICAL PRECAUTIONS -



CAUTION



**DO NOT USE TORCHES TO SOLDER OR
HEAT WIRING
DO NOT USE SCOTCH LOCKS**



CAUTION



**GROMMETS SHOULD BE USED WHENEVER
PASSING WIRING THROUGH METAL
SEAL ALL PASS THROUGH WIRES WITH SILICONE**



DANGER



**DISCONNECT THE BATTERY TERMINALS TO PREVENT FROM
WORKING ON LIVE CIRCUITS
REMOVE RINGS, WATCHES, AND OTHER JEWELRY BEFORE
WORKING ON ELECTRICAL**



CAUTION



**TO AVOID DAMAGING THE VEHICLE USE A DVOM WHEN
CHECKING FOR 12V POWER, CURRENT, OR CONTINUITY
USE OF A TEST LIGHT MAY IGNITE SRS SYSTEMS AND
DAMAGE CONTROL UNITS**



- IMPORTANT WARRANTY REQUIREMENTS -

1. CHECK THAT EXTERIOR AND INTERIOR LIGHTS, ALONG WITH ALL OTHER VEHICLES ELECTRICAL ITEMS WORK PRIOR TO INSTALLATION. CONFIRM NO CHECK ENGINE LIGHTS ARE PRESENT.
2. AFTER INSTALLATION, AGAIN CONFIRM ALL THE VEHICLES ELECTRICAL ITEMS WORK AND NO CHECK ENGINE LIGHTS ARE PRESENT.
3. WHEN ROUTING WIRES, TAKE EXTRA CAUTION NOT TO ROUTE AGAINST SHARP, MOVING, OR HOT PARTS.
4. DO NOT SECURE WIRING TO FUEL OR BRAKE LINES.

THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



AUTO
STRIPPERS



TERMINAL
CRIMPERS



HOLE SAW FOR
GROMMETS



HAND TOOLS



BUTANE
SOLDERING IRON

ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

2014 Ford Transit Connect

Locate the BA97KITS box. The box contains a 97 dB backup alarm, a 64" green wire loomed harness, two 1/4" self tapping screws, and a warning decal.

If the harness is not attached to the alarm, remove the positive nut (nut on stud in black plastic) and put ring terminal of the harness over the stud. Replace the nut on the positive stud.

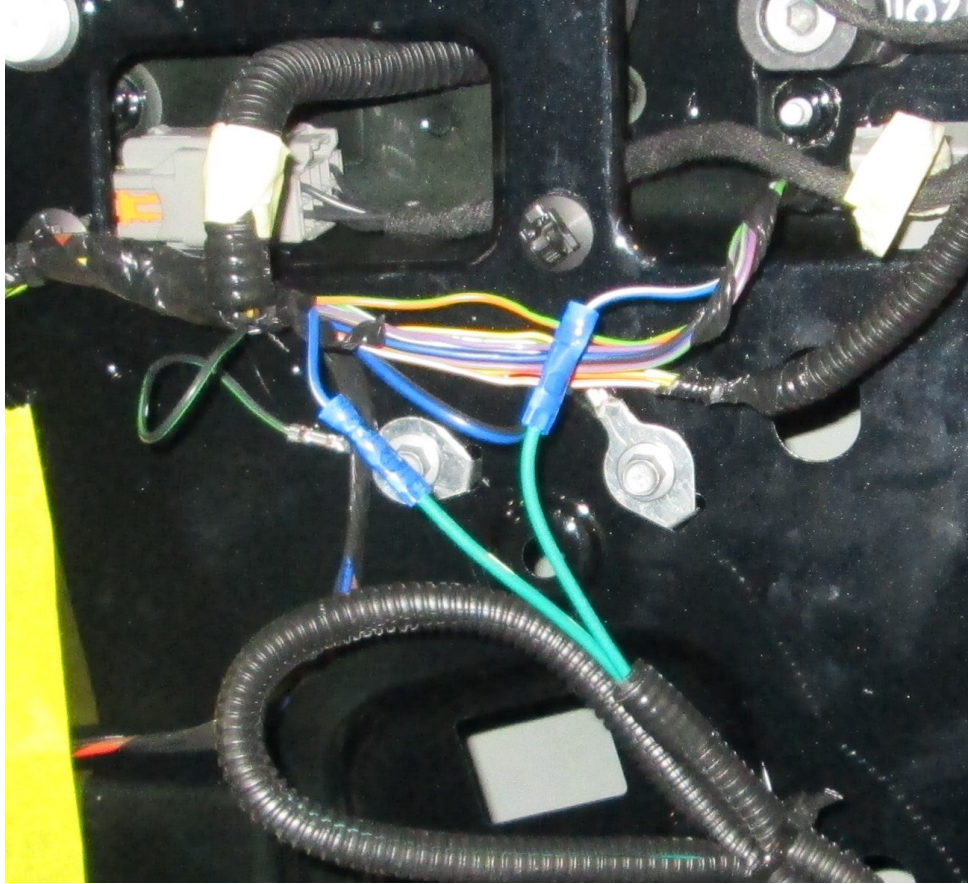
Mount the alarm with the two self tapping screws on the underbody at the rear curbside of the vehicle.



Locate the OEM blind grommet above the mounting area. Slit the blind grommet and thread the harness through the blind grommet.



Open the panel in the rear curbside trim of the vehicle. Route the harness up to the OEM taillight harness. Locate the reverse taillight wire (blue with white stripe) and cut the wire. Strip both ends of the reverse taillight wire. Insert each end of the wire into its own butt connector on the “Y” end of the backup alarm harness and crimp them.



Retain the harness with a wire tie.

the excess of

Turn the ignition key to the run position. Press on the service brake. Shift the transmission to reverse. The alarm should sound. Shift into park. Turn the ignition key to off.

Replace the panel in the rear curbside trim.

**DOUBLE CHECK ALL FASTENERS LOCATIONS TO BE SURE THAT ALL
FASTENERS ARE TIGHTENED TO SPECIFICATIONS.
YOUR INSTALLATION IS NOW COMPLETE!
STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCES!**

Back-up Alarm Install Chevy / GMC FSV

- 1 – Obtain the correct back-up alarm as per the work order.
- 2 – If it is a commercial install you must prepare the backup alarm. Adding approximately 5' of both red and black wire to the existing leads. If it's a fleet install, the Adrian provided back-up alarm is already prepared.
- 3 – Mount the back-up alarm under the rear drivers side of the vehicle, using large self tapping screws (FS8408).
- 4 – Run the cable through the frame and up below the hinged side of the door. (Refer to image 1)
- 5 – Drill a 3/8" hole in the rubber grommet allowing access into the vehicle. Feed the cable through the hole. Secure the cable along the doorframe using cable ties and 3/4" self-tapping screws. (Refer to image 1)
- 6 – Inside, run the cable up to the existing vehicle tail light harness. (Refer to image 2)
- 7 – Using a knife cut back the tape covering the tail light harness. Find the light green wire. This will be the reverse light wire which will power the back-up alarm.
- 8 – Connect the red wire from the alarm to the light green wire using a butt connector. (Refer to image 2)
- 9 – Put a ring connector on the black wire and ground it to the existing chassis ground found in the vehicle. (Refer to image 2)
- 10 – Tape the back-up alarm cable and the existing harness together neatly. Ensure that your cable is secured and neatly dressed on the inside of the vehicle.



Image 1



Image 2

Back-up Alarm Install Dodge Ram C/V

- 1 – Obtain the correct back-up alarm as per the work order.
- 2 – If it is a commercial install you must prepare the backup alarm. Adding approximately 3' of both red and black wire to the existing leads. If it's a fleet install, the Adrian provided back-up alarm is already prepared.
- 3 – Remove drivers side tail light assembly. (Refer to image 2)
- 4 – Mount the back-up alarm under the rear drivers side of the vehicle, using large self tapping screws (FS8408). (Refer to image 1)
- 5 – Run the cable up through the void below the tail light. Cable tie the back-up alarm cable to the base of the tail light harness. (Refer to image 1 & 2)
- 6 – Using a knife cut back the tape holding together the tail light harness. Find the white/light green wire. This will be the reverse light wire which will power the back-up alarm. Find the black wire, this will be your ground.
- 7 – Connect the red wire from the alarm to the white/light green wire using a butt connector.
- 8 – Connect the black wire from the back-up alarm to the black wire using a butt connector.
- 9 – Tape the back-up alarm cable and the existing harness together neatly. Ensure that the back-up alarm cable is secured and neatly dressed.



Image 1



Image 2

2012-2013 Ford Transit Connect before 2014 MY**Back-up Alarm Install
Ford Transit Connect**

- 1 – Obtain the correct back-up alarm as per the work order.
- 2 – If it is a commercial install you must prepare the backup alarm. Adding approximately 3' of both red and black wire to the existing leads. If it's a fleet install, the Adrian provided back-up alarm is already prepared.
- 3 – Remove tail light.
- 4 – Mount the back-up alarm under the rear drivers side of the vehicle, using large self tapping screws (FS8408). (Refer to image 1)
- 5 – Run the cable through the bumper and up below the hinged side of the door. (Refer to image 2)
- 6 – Remove the plastic grommet allowing access into the vehicle. Feed the cable through the hole. Secure the cable along the doorframe using cable ties and 3/4" self-tapping screws. Use some butyl tape to seal around the cable. (Refer to image 2 & 3)
- 7 – Using a knife cut back the tape covering the tail light harness. Find the green/black wire. This will be the reverse light wire which will power the back-up alarm.
- 8 – Connect the red wire from the alarm to the green/black wire using a butt connector. (Refer to image 4)
- 9 – Put a ring connector on the black wire and ground it to the existing chassis ground found in the vehicle. (Refer to image 4)
- 10 – Tape the back-up alarm cable and the existing harness together neatly. Ensure that your cable is secured and neatly dressed on the inside of the vehicle.
- 11 – Reinstall the tail light.

2012-2013 Ford Transit Connect before 2014 MY

Back-up Alarm Install Ford Transit Connect

Image 1



Image 2



Image 3

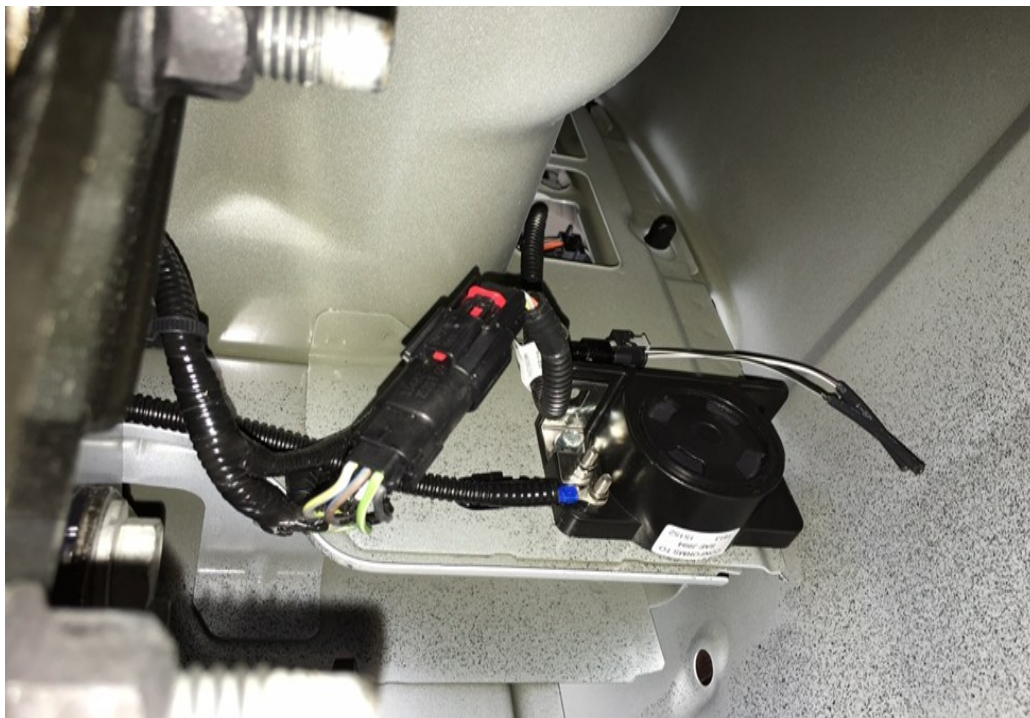


Image 4



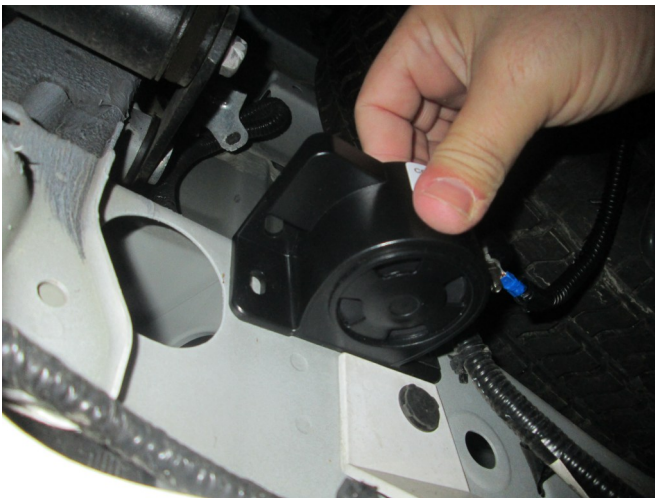
2015-2016 Chevrolet Colorado / GMC Canyon

- Fold and tape back one of the butt connectors on the alarm harness.
- Mount the backup alarm using the supplied fasteners on the driver side rear, under the body as shown in the picture. This is an inner fender well panel that runs parallel to the rear bumper.
- Route the backup alarm harness over the frame and crimp the butt connector to the GREY wire in the OEM harness under the truck.
- Secure the backup alarm harness to the OEM harness with wire ties.
- Put the vehicle into reverse to test the alarm function.
- Lock and unlock the doors with the OEM key FOB. The backup alarm should NOT sound.



2015 Chevrolet City Express

Locate the BA97KITS box. Remove the alarm with its harness and the two mounting screws.
Mount the alarm to the underbody to the curbside of the spare tire at the rear.
Route the harness into the rear curbside wheelwell.
Locate the OEM grommet in the wheelwell.
Route the harness through the OEM grommet. Seal the grommet with silicone.
Remove the rear plastic trim panel on the curbside. There are only two screws.
Locate the white wire in the OEM harness.
Cut the white wire and strip both ends.
Insert each end into a butt connector of the backup alarm harness and crimp them.
Cover the connections with electrical tape.
Retain the excess harness length with wire ties.



Back-up Alarm Install Most Pickup Trucks

- 1 – Obtain the correct back-up alarm as per the work order.
- 2 – If it is a commercial install you must prepare the backup alarm. Adding approximately 3' of both red and black wire to the existing leads. If it's a fleet install, the Adrian provided back-up alarm is already prepared.
- 3 – Remove drivers side tail light assembly. (Refer to image 1)
- 4 – Mount the back-up alarm under the rear drivers side of the vehicle, using large self tapping screws (FS8408). (Refer to image 2)
- 5 – Run the cable up through the void below the tail light. Cable tie the back-up alarm cable to the base of the tail light harness. (Refer to image 1)
- 6 – Using a knife cut back the tape holding together the tail light harness. Find the wires required for the specific vehicle the alarm is being installed on. (Refer to notes)
- 7 – Make connections as per your notes using butt connectors.
- 8 – Tape the back-up alarm cable and the existing harness together neatly. Ensure that the back-up alarm cable is secured and neatly dressed.



*Images are of a Ford F-150. These are a general guideline, but will be different from

For 2014 + Model Year Ram Pickups

Backup Alarm Install

- 1. Mount the Backup Alarm on the rear driver's side of the pickup bed, using large self tapping screws.**
- 2. Run the harness to the trailer tow wiring located just in front of the center of the rear bumper.**
- 3. Locate the reverse light wire.**
- 4. Cut the wire and strip both ends.**
- 5. Insert each wire into a butt connector at the end of the harness and crimp them.**
- 6. Tape over the connections.**
- 7. Start the vehicle. Hold down the service brake. Shift into reverse. The alarm should sound.**
- 8. Shift into park and shut off the engine.**

**DOUBLE CHECK ALL FASTENERS LOCATIONS TO BE SURE THAT ALL
FASTENERS ARE TIGHTENED TO SPECIFICATIONS.
YOUR INSTALLATION IS NOW COMPLETE!
STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCES!**

Checked for
2026 MDY

2022+ Ford Maverick

Backup Alarm Install Instructions

1. Use an impact drill and 8mm nut-setter to remove the passenger side tail lamp. (Fig. 1)
2. Using a multimeter test the green (with brown stripe) wire in the tail lamp to make sure that it is the reverse wire. (Hold the multimeter to the wire while the vehicle is in reverse) Cut the wire and use butt connectors to T the wire harness. Make sure to crimp the butt connectors and heat shrink them. (Fig. 2)
3. Route the harness down the tail lamp cavity and re-install the passenger side tail lamp. The ring terminal end of the wire for the backup alarm will come through the underside of the cavity just behind the spare tire. (Fig. 3)
4. Use the two (2) 10mm TEK screws and install the backup alarm on the underside of the vehicle. (Fig. 4)
5. Under the vehicle locate the ring terminal of the wire fed through the cavity and fasten the ring terminal to the backup alarm.
6. Make sure to secure all excess wiring with cable ties and test the backup alarm.



Figure 1



Figure 2



Figure 3



Figure 4

2024 Ford Transit Connect Backup Alarm Install Instructions

1. Locate the OEM tail lamp connector that's in the driver side rear corner of the vehicle (Fig. 1).
2. Using a multimeter test the green (with brown stripe) wire in the tail lamp to make sure that it is the reverse wire. (Hold the multimeter to the wire while the vehicle is in reverse) Cut the wire and use butt connectors to T the wire harness. Make sure to crimp the butt connectors and heat shrink them. (Fig. 1)
3. Route the harness down the driver side rear corner cavity. Removed the pictured (Fig. 2) grommet, so that the harness may pass through. Use fish tape to route the ring terminal part of the harness down through the bottom of the rear corner cavity and below the vehicle.
4. Use the two (2) 10mm TEK screws and install the backup alarm on the underside of the vehicle. (Fig. 3)
5. Fasten the ring terminal to the backup alarm.
6. Make sure to secure all excess wiring with cable ties and test the backup alarm.



Figure 1



Figure 2



Figure 3

2026 Chevy Colorado

Backup Alarm Install Instructions

1. Locate the OEM tail lamp connector that's below the truck's driver side tail lamp (Fig. 1). NOTE that the connector is accessible from the underside of the truck.
2. Using a multimeter test the green (with white stripe) wire [pin 4 or 5] in the tail lamp to make sure that it is the reverse wire. (Hold the multimeter to the wire while the vehicle is in reverse) Cut the wire and use butt connectors to T the wire harness. Make sure to crimp the butt connectors and heat shrink them.
3. Use an impact drill and 10mm nut setter to install the backup alarm onto the metal surface near the tail lamp connector [use the two provided 10mm TEK screws] (Fig. 2).
4. Fasten the ring terminal to the backup alarm.
5. Make sure to secure all excess wiring with cable ties and test the backup alarm.



Figure 1



Figure 2

Picture is for reference only.
Mount on a flush surface.

2026 Chevy Express Backup Alarm Install Instructions

1. Remove the body grommet that's located beneath the driver side rear corner of the vehicle with a panel removal tool. (Fig. 1)
2. Use pry bar to push aside composite material that's blocking the cavity behind the grommet (Fig 2).
3. Locate the OEM tail lamp connector in the rear corner on the driver side of the vehicle. (Fig 3)
4. Using a multimeter test the green wire in the tail lamp to make sure that it is the reverse wire. (Hold the multimeter to the wire while the vehicle is in reverse). Cut the wire and use butt connectors to T the wire harness. Make sure to crimp the butt connectors and heat shrink them.
5. Use fish tape to route the ring terminal down the C-pillar and through the grommet cavity opening (Fig. 4).
6. Use the two (2) 10mm TEK screws and install the backup alarm on the underside of the vehicle. (Fig 5)
7. Under the vehicle locate the ring terminal of the wire fed through and fasten the ring terminal to the backup alarm.
8. Make sure to secure all excess wiring with cable ties and test the backup alarm.



Figure 1



Figure 2

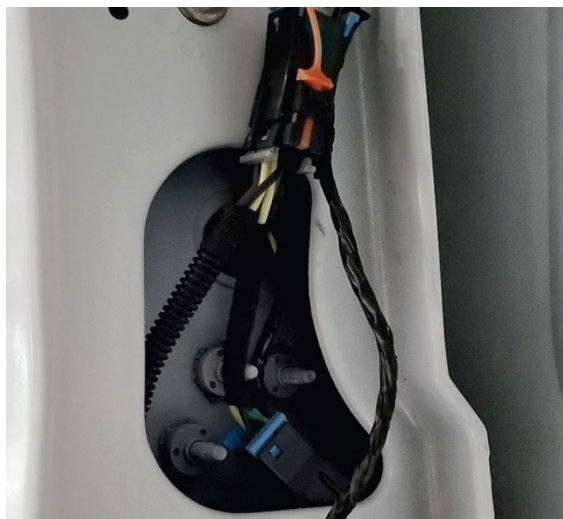


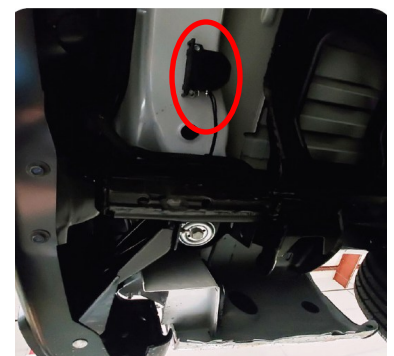
Figure 3

Will be a ring terminal, not connector.

Figure 4



Figure 5



This page is
from 66422

2026 RAM Truck (1500/HD) Backup Alarm Install Instructions



Step 1:

Locate the backup alarm and the two 10mm self tapping screws. Using the 10mm nut setter and the impact driver secure the backup alarm to a flat sheet metal area on the driver side below the tail-light.

NOTE: Make sure not to screw into anything that could be damaged.

Step 2:

Locate the tail light harness and cut through the tape so that the wires are shown. Make sure not to cut any of the wires.



Step 3:

Locate the white/beige wire and use wire cutters to cut the wire.

Step 4:

Use the wire strippers to strip each end of the white beige wire and then use crimpers to crimp each butt connector from the backup alarm to each side of the cut wire.

Step 5:

Use a heat gun to seal the butt connectors and then once cooled wrap electrical tape around the butt connectors and the OEM harness that was cut open so no wires are being shown. Use zip ties to secure any wire harnesses that may hang from the vehicle.

Step 6:

Test the backup alarm by putting the vehicle in reverse and alarm should sound.

On the RAM 1500, the connector has 8 pins. On the RAM HD's, the connector has 6 pins. Both use the white/beige wire.

ITEM DESCRIPTION: BUTT CONNECTOR FOR 14-16 GA WIRE, SEALED



MANUFACTURER: WAYTEK or CTW

MANUFACTURERS PART NUMBER: #31965 or #4-14-6

SPECIFICATIONS: 16-14 GA SEALED BUTT CONNECTOR
HEAT SHRINK COVERED

SPECIAL NOTES: NONE

SUPPLIED BY: THIS ITEM IS ADRIAN AVAILABLE!

PURCHASED PRODUCT DATA SHEET (PPDS)

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ADRIAN STEEL
VAN AND PICKUP EQUIPMENT

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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
HJE

DATE DRAWN
11/29/2007

ECN NUMBER
14407

ECN DATE
12/27/2011

PART WEIGHT
.01 LBS.

REV. LEVEL
B

PART NUMBER

35468-0