

# INSTALLATION MANUAL

## Level of Difficulty

Easy

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

## Tools Required

Socket, 7mm, 10mm	Ratchet
Socket extension	Panel trim removal tool

## Maintenance

Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

## Wiring Location(s)

BH1 and BH2

## WARNING

Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

## Product Photo



## NOTICE

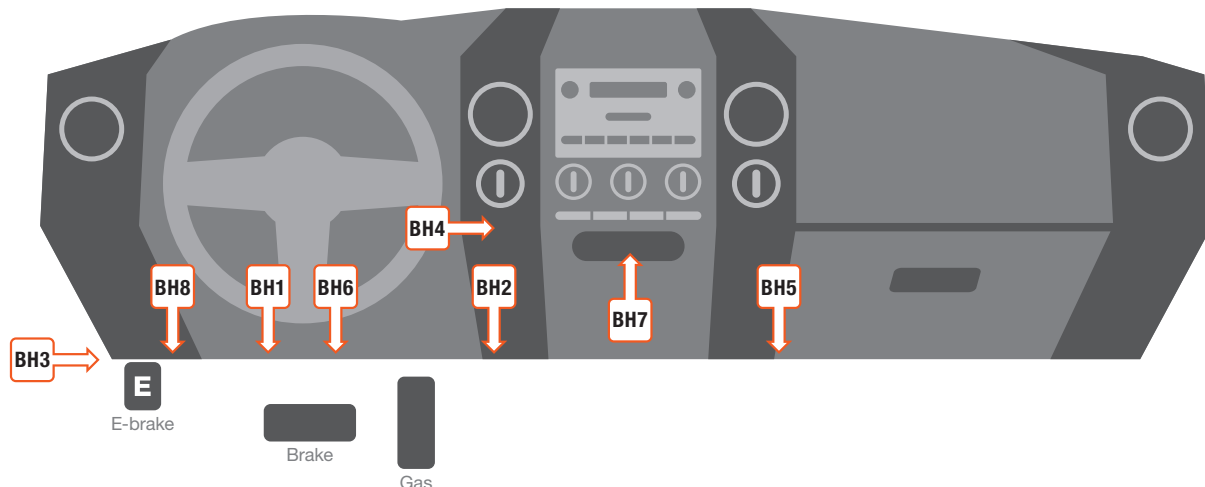
Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

All steps must be followed to ensure the product will function properly. Once installed, test for proper function by using a test light or connecting a properly wired trailer.

## Wiring Location Guide\*

BH1	Under dash, left of steering column, near emergency brake pedal
BH2	Under dash, near center console
BH3	Under dash, in junction box left of steering column
BH4	Behind storage pocket, above ashtray
BH5	Under dash, behind center access panel on the passenger side
BH6	Under dash, near brake pedal
BH7	Behind storage pocket in center of dash
BH8	Under dash, to the right of emergency brake pedal



### Step 1A - Ford Econoline Van (BH1)

Locate the 6-pin vehicle brake control harness connector under the dash, to the left of the steering column.

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### Step 1B - Ford Explorer (BH1)

If equipped, remove the plastic panel under the dash by loosening the 7mm and 10mm bolts securing it in place.

Locate the metal bracket just above the brake pedal at the center of the driver-side foot compartment. On top of the bracket there will be a brake control harness mounted with a push fastener. This can be removed to assist the installation of the harness but is not necessary.

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### Step 1C - All Other Vehicles (BH2)

Locate the 6-pin vehicle brake control harness connector under the dash, near the center console. The connector will be similar to that on the brake control harness.

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### Step 2

Verify there is battery power supplied to the connector by carefully probing the connector with a test light. This can also be done by following the wires to their source. Ensure there are not any loose connections behind the instrument panel. If there is power supplied to the connector, skip to step 4.

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### Step 3

If the vehicle does not supply power to the brake control harness, a universal brake control wiring kit (#51500) will need to be installed.

Route all wires as directed in the brake control wiring kit installation instructions. To use the factory connector with the universal brake control wiring kit, the factory harness must be modified. Cut the battery wire leading to the factory connector, leaving enough room to use a butt connector to attach to the battery wire from the universal brake control wiring kit. Cut the trailer brake wire leading to the factory connector, leaving enough room to use a butt connector to attach to the trailer brake wire from the universal brake control wiring kit.

#### **WARNING**

After the universal brake control wiring kit is installed, cap and / or tape the exposed ends of the cut wires to prevent shorting.

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### Step 4

Insert the connector on the custom brake control harness into the vehicle connector.

Make sure the connector is fully inserted with locking tabs in place.

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### Step 5

Insert the black connector of the brake control harness into the brake control's quick plug connector. Secure the brake control harness with the provided cable ties, avoiding any pinch points.

Complete the installation using the brake control instructions. Mount the unit as directed and perform test procedures as instructed in the brake control user manual.

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