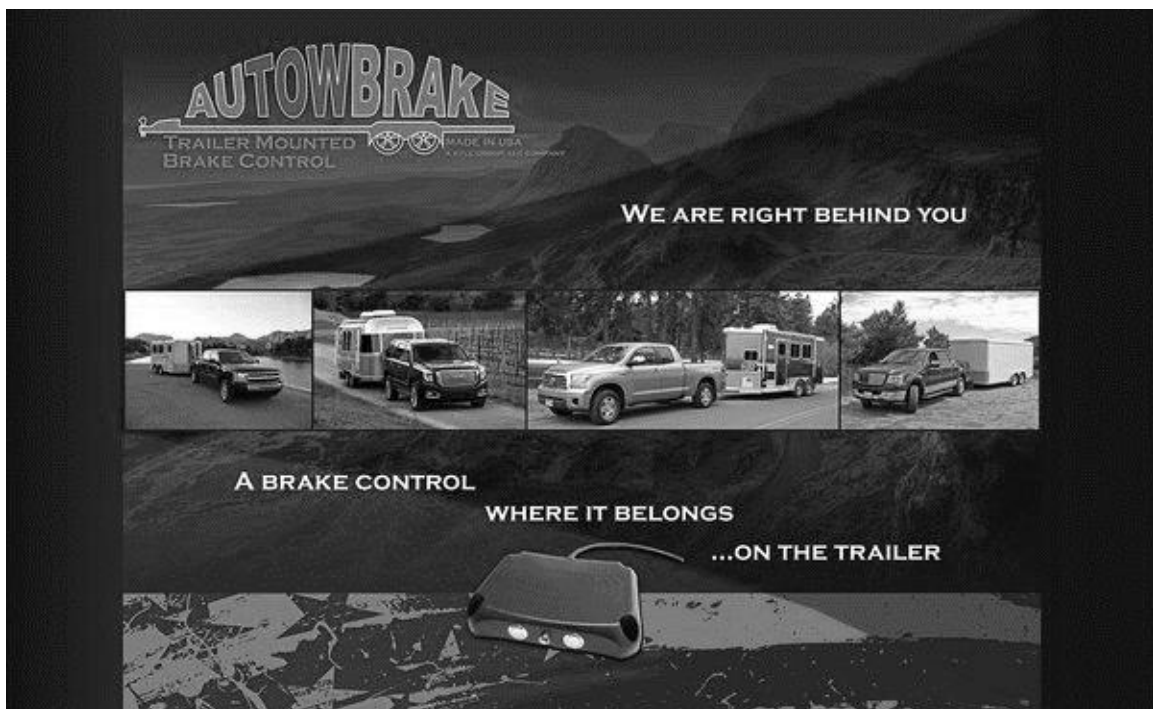




Autowbrake Installation Manual



Autowbrake Trailer Mounted Electric Brake Controller



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Warranty on Trailer Mounted Electric Brake Control and Key Fob

Who May Use This Warranty?

Kyle Group LLC d/b/a Autowbrake (“The Company”) extends this warranty only to the purchaser who originally purchased the product(s). It does not extend to any subsequent owner or other transferee of the product. Proof of purchase (original sales receipt) must accompany all warranty claims. This warranty is non-transferrable.

What Does This Warranty Cover?

This warranty covers defects in materials and workmanship of the Trailer Mounted Electric Brake Control and/or the Key Fob for the warranty period as defined below.

What Does This Warranty Not Cover?

This warranty does not cover any damage due to: transportation; misuse; abuse; neglect; negligence, accident, improper testing; abnormal environmental conditions; improper installation; storage; failure to follow the product instructions or to perform any preventive maintenance; modifications; unauthorized repair; and normal wear and tear. This warranty does not apply to cosmetic damage, including but not limited to scratches and dents. Further, this warranty does not apply to any product that has been used with any third-party products, hardware or product that has not been previously approved in writing by The Company. This warranty does not extend to any product or parts which have been lost or discarded by the purchaser or to units, which have been altered or modified without authorization. This warranty also does not apply to any product, which is applied to a vehicle or trailer which is not rated for towing. Warning, this product should not be used with vehicles not rated for towing.

What Is The Period of Coverage?

The warranty for the Mounted Electric Brake Control starts on the date of the purchaser’s purchase and lasts for three (3) years. The warranty for the Key Fob starts on the date of the purchaser’s purchase and lasts for one (1) year. The warranty period for either product is not extended if The Company repairs or replaces the product. The Company may change the availability of this warranty at its discretion, but any changes will not be retroactive. The Company reserves the right to change and improve the design of the product(s) without obligation to modify any product(s) previously manufactured.

What Are Your Remedies Under This Warranty?

The exclusive remedy under this warranty shall be the repair or replacement of the defective component at the Company’s option. The Company reserves the right to require that all applicable failed materials are available and/or returned to The Company for review and evaluation. With respect to any defective product during the warranty period, The Company will, in its sole discretion, either: repair or replace such product (or the defective part) free of charge or (b) refund the purchase price of such product. The purchaser is responsible for all costs and risk of loss associated with the delivery and



return of the repaired or replaced product. The purchaser is also responsible for the cost of removal, the cost of forwarding the product, the cost of return, the cost of reinstallation, labor charges and damages incurred during installation or repair and replacement.

How Do You Obtain Warranty Service?

To obtain warranty service, you should promptly call 1-319-521-2310 or make direct contact with the nearest Autowbrake service location during the warranty period. The purchaser should make the product available for inspection and evaluation.

Pre-Installation

Before installing Autowbrake verify that all parts are present.

Packing List

- 5 #10 Hex Head Self Tapping Screws
- 1 Cable Clip
- Instructions
- Warranty
- Autowbrake Trailer Mounted Electric Brake Control
- Key Fob

Autowbrake Installation

We recommend having an industry professional install your Autowbrake Trailer mounted electric brake controller.

SAFETY WARNING: It's a good idea to have headlights on while towing.

The following instructions are included in your Autowbrake installation:

- Select Mounting Location
- Wiring Instructions
- 2 Person Calibration Process
- Change Autowbrake Settings
- Check Settings
- Key Fob
- Trailer Sway



Select Mounting Location

Your best option is to mount Autowbrake close to the trailer junction box typically located on the trailer frame. However, other locations can be used; i.e. inside trailer compartment, under or on the side of the frame, inside a storage cabinet or toolbox, etc. Autowbrake can be mounted in any direction or angle for ease of installation.

Wiring Instructions

Before you begin, review your trailer's wiring diagram. You need to locate the following 5 wires on your trailer:

NOTE: Check your trailer manufacturer's operation manual for your trailer's specific wire colors.

- Trailer Brake – Typically Blue
- Trailer Power – Typically Red or Black
- Trailer Ground – Typically White
- 2 Brake Lights/Turn Signals – Check trailer manual for brake wire colors.

You may have to splice directly into harness if you can't get to a junction box or have a trailer with a hard wiring harness only. The junction box is recommended to connect the filter and Autowbrake wires.

1. Locate the trailer brake light wires in your manufacturer's operation manual. If you don't have the manual plug in the trailer harness to the tow vehicle.
2. Turn on the tow vehicle ignition.
3. Turn on vehicle hazard lights or have someone inside the vehicle press and hold down the brake pedal.
4. Use a voltmeter to locate the brake lights in the junction box. Voltage readings of 10 to 12 volts.

Locate Power, Trailer Brake and Ground Connection

- Locate the power, ground and trailer brake wires in your manufacturer's operation manual. If you don't have the manual use a voltmeter to locate the 12-volt power source.
- Connect the Autowbrake black power wire to the trailer power wire at the junction box, or splice into the trailer harness, depending on your trailer setup.
- Attach the other wires to their corresponding sources as indicated in the following:
 - Connect Autowbrake black wire to 12 volt aux power source.
 - Connect Autowbrake blue wire to blue trailer wire.
 - Connect Autowbrake white wire to trailer white ground wire.
 - Connect Autowbrake green wire to right trailer brake wire.
 - Connect Autowbrake yellow wire to left trailer brake wire.



Using tow vehicle running lights to power Autowbrake!

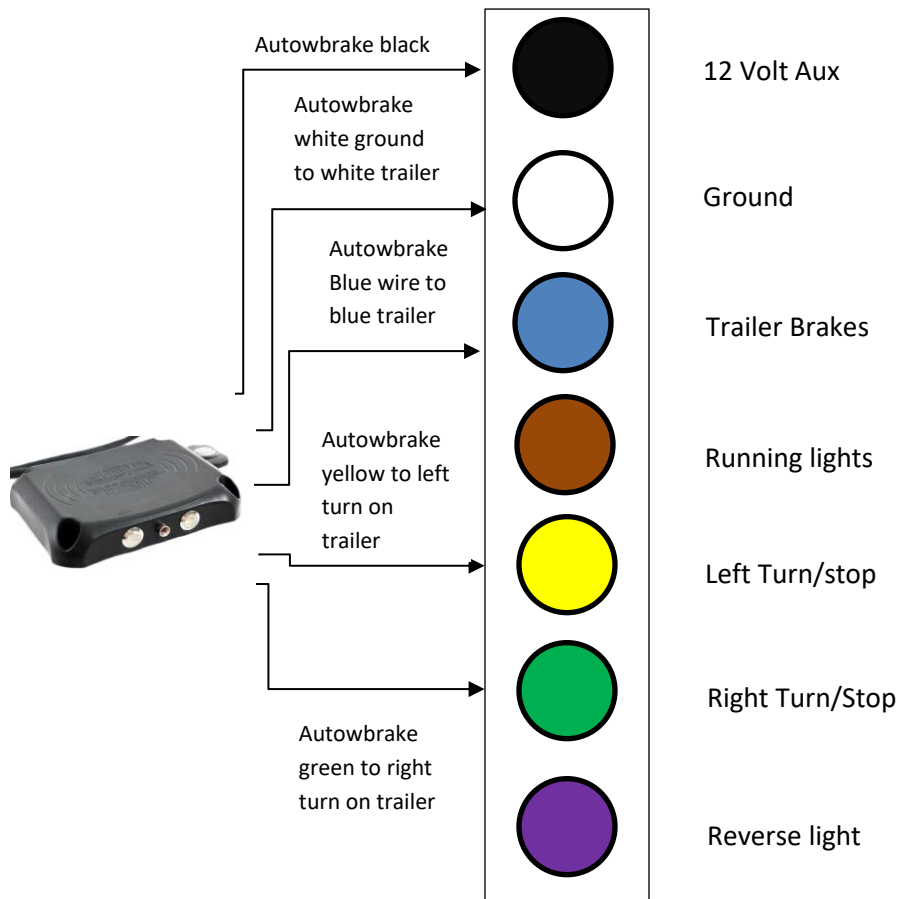
Using the flat for wire harness configuration is possible. Utilizing the running light with a flat four wire harness will require you to have running lights manually switched to the on position while towing.

Attach the other wires to their corresponding sources as indicated in the following:

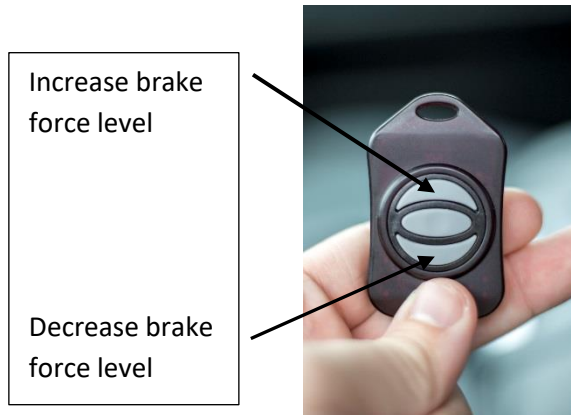
- Connect Autowbrake black wire to Brown/running light wire.
- Connect Autowbrake blue wire to blue trailer wire.
- Connect Autowbrake white wire to trailer white ground wire.
- Connect Autowbrake green wire to right trailer brake wire.
- Connect Autowbrake yellow wire to left trailer brake wire.

RV Trailer Side Wire Diagram

Connect wires from Autowbrake to Trailer Junction box



Keyfob Adjustment Buttons



2 Person Calibration Process

Calibration is required the first time you install your Autowbrake, or when relocating it. The calibration process is a ONE-TIME process. Recalibrate only if Autowbrake is relocated.

NOTE: We recommend Autowbrake calibrated on a level driveway or parking lot.

1. Connect the trailer to the tow vehicle.
2. Plug in trailer harness to tow vehicle.
3. One person get in the vehicle, turn vehicle ignition to on position and press the brake pedal down.
4. While the brake pedal depressed, another person go back to Autowbrake and depress both buttons on the controller at the same time until the LED indicator lights up on Autowbrake.
5. When the LED indicator light stops flashing, press and release the Gain/right button on your Autowbrake. The LED indicator light will flash. When it stops flashing, Autowbrake is calibrated.
6. Release the brake pedal.

Change Autowbrake Settings

To change settings and power level complete the following:

1. Press and hold the brake pedal down in the vehicle.
2. Press the Gain/right button once to increase settings or press the Calibrate/left button to decrease settings.
3. The following are the recommended settings:
 - Setting 1: 1 slow flash 3 times in a row (total 3, up to 3500 pounds)
 - Setting 2: 2 slow flashes 3 times in a row (total 6, 3500 – 6900 pounds)
 - Setting 3: 3 slow flashes 3 times in a row (total 9, 6900 – 12000 pounds)



4. Once Autowbrake is set to applicable setting release the brake pedal. The last settings will be saved when you power up Autowbrake the next time.

SAFETY WARNING: It's not recommended to exceed your vehicle trailer towing capacity.

Check Settings

You can check current setting anytime by pressing the right button on Autowbrake.

Key Fob

The key fob provides you the ability to make subtle changes in braking force. Up button is used to increase braking force and down button is used to decrease braking force. These changes can be made while the tow vehicle is at a completed stop or in motion.

NOTE: There are 5 levels available. **(Key fob image on page 6)**

1. At a complete stop: press brake pedal down and press the up button on the key fob. This increases your braking force level. If braking force level is too strong use the down button on the key fob instead of the up button. **(Key fob image on page 6)**
2. In motion: lightly press the brake pedal and press the up button on the key fob. This increases your braking force level. If braking force level is too strong use the down button on the key fob instead of the up button. **(Key fob image on page 6)**

Check Braking Force Setting

1. Check power level by pressing the left/Calibrate button on the Autowbrake controller. LED will flash.
2. Count the flashes to determine the current level.

Trailer Sway

If trailer sway occurs complete the following:

If your trailer starts to sway on the road, the NHTSA recommends activating the manual brake control override by hand. **Applying the tow vehicle brakes will generally make the sway worse.**

1. Lift your foot from the accelerator but don't step on the brake pedal unless you're in danger of hitting something.
2. Press any button on the key fob remote. You will feel the trailer brakes activate while you are using the vehicle accelerator pedal.
3. Hold fob buttons down until trailer sway is reduced. Release fob button(s) and continue towing.