

## Agility™

### Electronic Brake Control

#### IMPORTANT:

Read the following instructions carefully before installing the Agility™ Electronic Brake Control. If you have any concerns with this product or the installation process, our technical support team can assist you. Call 1-800-635-0129.

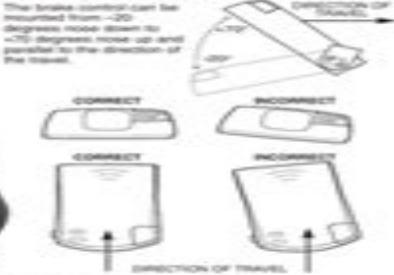


- A. Vertical slide for manual override
- B. Emergency stop button
- C. Emergency stop button
- D. Digital power setting buttons
- E. Mounting bracket holes

#### INSTALLATION PRECAUTIONS:

- Breaking capacity is for 2, 4, 6 or 8 trailer brakes.
- This brake control will apply the trailer brakes while in reverse.
- This brake control is inertia activated. When the vehicle is not moving, the trailer control will not automatically apply the trailer brakes. In this case, the vertical slide must be depressed to activate the trailer brakes.
- This brake control is not reverse polarity protected. Reversing the connection to the vehicle battery or the breakaway battery on the trailer will damage the brake control.
- This brake control is designed to operate with electric trailer brakes and not electro-hydraulic brake systems.

#### INSTALLATION GUIDE:



1. Mount the bracket to a secure location with Phillips screws provided (10). The slide will be able to view the display and easily access the vertical slide.
2. Attach the brake control to the bracket using the six screws provided (10).
3. Adjust the brake control to the desired angle and tighten screws until snug.

**CAUTION:** Using larger/bigger screws may damage the unit.

#### WIRING GUIDE:

The Agility™ comes equipped with either a quick connector plug or just wires exiting the back of the control.

**OPTION:** If your vehicle comes equipped with a factory tow bar, trailer breakaway battery and a quick connector, then this is the correct connection. Connect vehicle main and coil for location. Purchase a vehicle specific Plug-in™ Sampler™ Brake Control quick connector and simply plug into the back of the quick connector. Then remove the quick connector plug from the quick connector and replace the wires to the function wires under the dash.

#### QUICK INSTALL OPTION:

Some vehicles have a quick connector or go to [www.hopkinsmanufacturing.com](http://www.hopkinsmanufacturing.com) to purchase Plug-in™ Sampler™ Brake control connectors.

#### LIMITED LIFETIME WARRANTY

Hopkins Manufacturing Corporation warrants Agility™, Brake-Force™ and Impulse™ trailer brake products to be free from defects in material and workmanship, under normal use and service, for the original buyer's lifetime, from the date of original purchase.

This warranty does not cover, and Hopkins Manufacturing Corporation is not liable for, the cost of repair or replacement of parts which have been subjected to misuse, negligence, accident, tampering, abuse, or damage due to normal wear and tear, or damage due to water and moisture, or defects caused by unauthorized repairs. THE ORIGINAL BUYER'S EXCLUSIVE REMEDIES UNDER THIS LIMITED WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT (AT THE OPTION OF HOPKINS MANUFACTURING CORPORATION) OF THE DEFECTIVE PRODUCT OR PART. The repair or replacement of the product or part under warranty will be made by Hopkins Manufacturing Corporation without charge for parts or labor.

UNDER NO CIRCUMSTANCES WILL HOPKINS MANUFACTURING CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGE TO OR LOSS OF OTHER PROPERTY OR EQUIPMENT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

In order to obtain performance under this warranty, return the defective product, postage prepaid, along with dated proof of purchase, to Hopkins Manufacturing Corporation, 4218 Peyton, Emporia, Kansas 66801-1157. This warranty does not cover damage and/or damage that are due to or from Hopkins Manufacturing Corporation.

#### GARANTIE LIMITÉE À VIE

Hopkins Manufacturing Corporation garantit à l'acheteur original que, à partir de la date d'achat, pour un usage normal, utilisant les produits de sécurité de la ligne Agility™, Brake-Force™ et Impulse™ sera exempt de défaut de matière première ou de fabrication.

Cette garantie ne couvre pas les défauts de réparation ou de remplacement des pièces attribuables à une utilisation inappropriée, un accident, une installation incorrecte, une manipulation incorrecte, un mauvais entretien ou une utilisation de l'équipement pour l'usage ou des applications autres à des applications non appropriées. Hopkins Manufacturing Corporation ne sera pas responsable des dommages entraînés par l'usage de la garantie. GARANTIE LIMITÉE À VIE. REPARATIONS ET/OU REMPLACEMENTS INCLUS. LE ACHETEUR ORIGINAL SE LIMITÉ À TOUTES LES REPARATIONS ET/OU REMPLACEMENTS FAISUS PAR HOPKINS MANUFACTURING CORPORATION DES PRODUITS QUI PIÈCES DÉFECTUEUSES. Les réparations ou remplacements de produits et pièces sont effectués par la garantie nationale effectuée par Hopkins Manufacturing Corporation sans frais de pièces ou de main-d'œuvre.

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#### OPERATING / SETTING YOUR CONTROLLER:

1. Red dot on bottom right hand corner of digital display indicates trailer is connected.
2. Blue display (0-100) indicates vehicle speed.
3. Press the power button (1-1) on top of the control. Adjust power sent to the trailer brakes. Pressing the (1-1) button decreases power. Pressing the (1-1) button will be displayed as a percentage on the digital display from 5 to 100 in increments of 5%.
4. Set the response. This feature makes your trailer braking response more or less sensitive. A setting of 1 indicates least sensitive. A setting of 5 indicates most sensitive. Adjust sensitivity by pressing the button labeled "S" on the side of the unit.
5. SC indicates that a short circuit has occurred.

#### TESTING / ADJUSTING THE BRAKING RESPONSE:

Connect to your trailer and test drive on a dry open area at low speed (20 to 25 mph). Apply vehicle brakes aggressively.

1. If the braking feels too soft, adjust down the power setting to just before trailer lock-up by pressing the (1-1) power button.
2. If the braking performance from the trailer feels as if it is pushing the tow vehicle, adjust the power setting higher by pressing the (1-1) power button.

Repeat process until smooth braking is obtained.

Questions? Contact us at:  
1-800-635-0129  
[www.hopkinsmanufacturing.com](http://www.hopkinsmanufacturing.com)

**HOPKINS**  
MANUFACTURING  
CORPORATION

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Blue wire = ground/negative terminal (-) on battery

Blue wire = positive terminal (+) on battery

Red wire = cold side of stop lamp switch or brake light

**CAUTION:** Wire colors may be manufacturer specific. Be sure to wire by color.

#### VEHICLE MANUFACTURER WIRING CODES:

Vehicle Manufacturer	Blue	Black	Blue	Black
CHEVROLET 1996	BLK	BLK	BLK	BLK
CHEVROLET 1997	BLK	BLK	BLK	BLK
CHEVROLET 1998	BLK	BLK	BLK	BLK
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CHEVROLET 21				

# Agility Trailer Brake Control Manual

**Wagner Electric Corporation**

## **Agility Trailer Brake Control Manual:**

*User Car Buying Guide 1994* Consumer Reports,1994 With the average price of a new car now exceeding 16 000 this guide fully updated and revised annually provides consumers with the kinds of information needed to make the best choices evaluating a used car s fuel economy and performance level as well as its overall quality and repair record **The 4x4'S, Pickups and Vans Buying Guide 2003** Consumer Guide,2003-03 Updated for 2003 this comprehensive guide contains profiles of more than 60 new sport utility vehicles pickup trucks and vans with complete specifications on cargo dimensions and payloads plus hands on reviews up to date prices and more

*Popular Science* ,1985-10 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better

**The Auto Guide 2002** Jacques Duval,Denis Duquet,2001-11-03 The process of buying a new car is a stress filled prospect for most of us How big a car do we really need How flashy a look do we truly want What is the safest choice for our children as passengers Which make and model will provide us with lasting performance and value With more than 520 pages and 1 000 photographs and illustrations The Auto Guide 2002 is a valuable tool in researching the best purchase for your money and taste The Auto Guide 2002 includes details on new models that are not easy to find and assemble elsewhere a summary of positive and negative judgments on features historical overview of the model s development suggested purchase cost vital statistics safety features stopping distances general reliability including tires operating costs and fuel consumption winter driving reliability and comfort comparable makes and models notable new features five star ratings on general appeal

comfort reliability interior and trunk capacity winter preparedness features security resale value best buys in every category new releases in development From Acura and Aston Martin through Ferrari and Ford to Volvo this is the complete guide for the buyer The listings on the hundreds of models are packed with useful analysis informed judgments and wise predictions and will make the difficult decision much easier and smarter

*Popular Mechanics* ,1986-08 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate

guide to our high tech lifestyle **Used Car Buying Guide, 1993** Consumer Reports Books,1993 **Popular Science** ,1985

**Autocar** ,2004 **Used Car Buying Guide, 1991** Consumer Reports,Alex Markovich,1991 In today s uncertain economy more car buyers are turning to the used car market Based on the results of unbiased tests and surveys conducted by Consumer Reports the guide evaluates fuel economy performance level repair record and overall quality of hundreds of 1984 1989 cars with detailed reports on 1987 1989 models Ratings charts tables index

*Popular Mechanics* ,1986 **Government Reports Annual Index** ,1981 Sections 1 2 Keyword Index Section 3 Personal author index Section 4 Corporate author index Section 5 Contract grant number index NTIS order report number index 1 E Section 6 NTIS order

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    Magdraulic electric brakes Empire Electric Brake Co., Newark, N.J.,1941      **PBR Automotive** ,1986      **Electric**  
**Brake Service Manual** Warner Electric Brake and Clutch Co,1951      **Manual of Standards and Recommended**  
**Practices** Association of American Railroads. Mechanical Division,1988      Air Brake and Skid Control Manual Wagner  
Electric Corporation,1977      *Parking Brake Control Identification - Vehicles with Hydraulic Brake Systems and Automatic*  
Transmissions Truck and Bus Hydraulic Brake Committee,2012 The scope and purpose of the SAE Recommended Practice is  
to provide standards for the control and indication of parking brakes in hydraulic braked vehicles over 4540 kg 10 000 lb  
GVWR This recommended practice pertains to automatic transmission applications and supplements the SAE J915  
recommended practice This recommended practice does not address parking brake system performance Parking brake  
system performance both static and dynamic conditions is the responsibility of the OEM vehicle manufacturer or  
manufacturers that modify the vehicle by adding special vocational required equipment such as but not limited to outriggers  
cranes etc There are several parking brake indication and control philosophies for hydraulic braked vehicles with a GVWR  
greater than 4540 kg 10 000 lb For future vehicle and parking brake system designs this recommended practice is intended  
to be a guide for consideration The implementation of this new recommended practice will reduce operator confusion and  
promote standardization in all hydraulic braked vehicles This recommended practice is intended to supplement the SAE J915  
Automatic Transmissions Manual Control Sequence recommended practice as it relates to the various parking brake  
indication options Major vehicle manufacturers were surveyed and current practices were identified to assist in the  
development of this document Where necessary or possible all current practices were included in this document to allow for  
alternative methods to provide the specific functions The task force recognized that both the P and PB indication options  
existed in current vehicle applications The team evaluated the benefits and risks of both approaches and the following is a  
summary of the results In conclusion it was decided to recommend the PB indication as the standard method PB gives  
indication to the driver that the parking mechanism is a friction based product that wears and can yield over time is different  
from a park pawl in that it can sometimes be released independently by other manual means may not be acceptable in  
Canada French language and ISO complications P minimizes confusion for driver why should he or she care how vehicle is  
held in park as long as it is Besides the indication recommendations a transmission parking pawl and a mechanical friction  
parking brake should not be actuated with the same or single actuation device or method Besides the operator not knowing  
which parking brake function is actually holding the vehicle there can be binding and brake release sequence issues with  
having a single parking actuation function

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## **Agility Trailer Brake Control Manual Introduction**

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