

This brake control either came equipped with a quick connector plug or has just wires exiting the back of the control.

OPTION: If your vehicle came equipped with a factory tow package, brake control function wires may exist under the vehicle dash. Consult vehicle manual or call for location. Purchase a vehicle specific Plug-in Simple® brake control quick connector and simply plug into the factory tow package plug, or remove the quick connector plug on the brake control and splice the wires to the function wires under the dash.

For installations on vehicles without factory tow package use the following procedure: (remove the quick connector plug if present)

UNIVERSAL INSTALLATION

White wire – ground/negative terminal (-) on battery
 Blue wire – trailer electric brakes
 Black wire – positive terminal (+) on battery
 Red wire – cold side of stop lamp switch or brake light

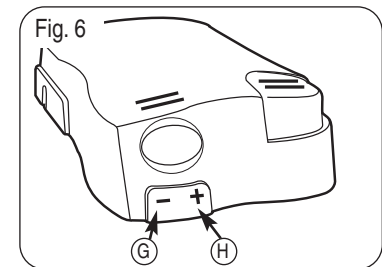
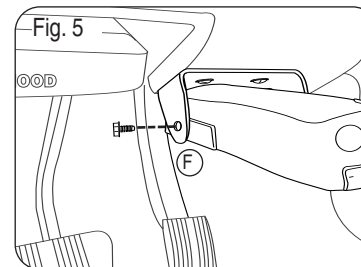
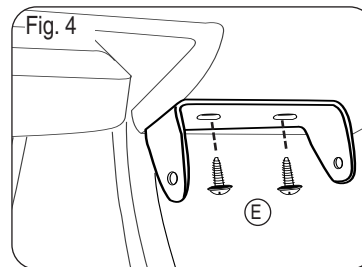
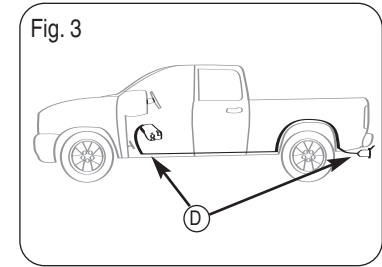
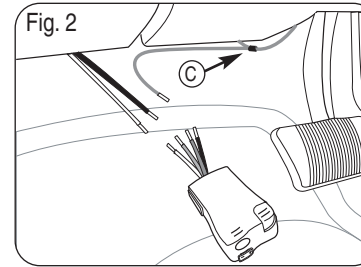
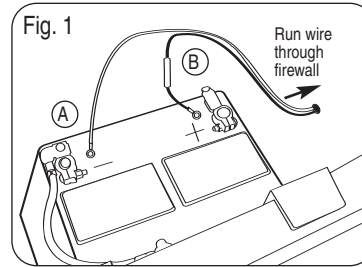
CAUTION: Wire colors vary by manufacturer. Be sure to wire by function only.

BRAKE CONTROL WIRE	VEHICLE MANUFACTURER WIRING CODES:			
	BLUE	BLACK	RED	WHITE
FORD 94-07	BLUE	RED	GREEN	WHITE
CHEV/GM 99-06	DK BLUE	RED	LT BLUE	BLACK
CHEV/GM 07-08	DK BLUE	RED w/BLK	LT BLUE w/WHT	WHITE
DODGE 97-02	BLUE	RED	WHITE	BLACK
DODGE 03-07	BLUE	WHITE w/RED	BLUE w/WHT	GRN w/BLK
NISSAN	BRN w/WHT	RED	RED w/GRN	BLACK
TOYOTA	RED	BLACK w/RED	GRN w/WHT	BROWN

1. Be sure to use proper wire gauge when installing your control (12 gauge for electric brakes, and power / 16 gauge for the stoplight switch and ground).
2. Connect white wire to negative post on the vehicle battery (Fig. 1 / A). Grounding to any other location may cause intermittent brake control operation or failure.
3. Attach 20 amp circuit breaker or in-line fuse to the positive terminal on the vehicle's battery (Fig. 1 / B). Route black wire from the brake control to the fuse or breaker.
4. Splice red wire into cold side of vehicle's stoplight switch located by the brake pedal (Fig. 2 / C). Find the wire by using a circuit tester and probing for the wire that powers the vehicle stoplights when the brake pedal is pressed.
5. Route blue wire from brake control to vehicle side trailer connector (Fig. 3 / D).

IMPORTANT INSTALLATION TIPS:

- Wire color codes vary by manufacturer. Be sure to wire by function only.
- Some late model Ford / Mercury trucks and sport utility vehicles have two or more stoplight switch wires. For proper operation, use the light green wire. The other wire is red with a green stripe. This wire goes directly to ground when not in use. Splicing into this wire will short circuit your brake control and possibly destroy the unit.
- For Chevrolet vehicles 1999-06: If your vehicle does not have the towing package, only the ground and stoplight switch will be active in the Plug-In Simple® connector. The electric brake wire and 12-volt power lead will be terminated outside the firewall. These need to be routed to the trailer connector and battery on the vehicle.
- Be sure your brake control is grounded properly. The ground wire should be connected to



the negative post on the battery. Grounding in any other location may cause the control to operate intermittently.

- For Dodge 2005-06: To find the cold side of the stoplight switch, you must have the key in the on position.
- Ford and Dodge tow packages come with a 20 amp battery feed wire system which will accommodate 2 and 4 brake magnets. An upgrade to a 30 amp (12 gauge) battery wire system will be needed for 6 and 8 braking systems.

MOUNTING YOUR BRAKE CONTROL

1. Your Hopkins™ brake control can be mounted in any direction.
2. Choose a location on, or below the vehicle dash where you will be able to view the display and easily access the manual slide while driving.
3. Once you have chosen a location, check behind the dash to be sure there are no damageable components in the chosen location. Using the bracket as a template, drill holes in the dash.
4. Attach bracket in desired location under dash with 2 provided Phillips screws (Fig. 4 / E) and attach control to bracket with 2 remaining slotted hex screws (Fig. 5 / F).

OPERATING / SETTING YOUR CONTROL

1. Once installed, your control will show "E1" on the digital display. This indicates your trailer is not connected. Once your trailer is connected, power will be shown in increments of 5% on the display. Five represents the lowest power, 99 the highest.
2. Power adjustment button on the front of the unit adjusts power sent to the trailer. Pushing the "-" side decreases the power sent to the trailer (Fig. 6 / G). Pushing the "+" side increases the power (Fig. 6 / H).
3. Connect your trailer and test drive in an open area to set the level of power.
4. Drive forward at approximately 20 miles per hour and apply the brakes. If brakes appear too weak, press the "+" button for additional power. If the brakes lock up, press the "-" button to reduce power. Continue this step until smooth braking is reached.

CLIP OUT AND KEEP WITH BRAKE CONTROL

TROUBLE SHOOTING GUIDE	
CONDITION	PROBABLE CAUSE
E1	Trailer is not connected.
E2	Trailer electric brake wire (blue) short or defective magnet.
No power to trailer.	Check vehicle and trailer connector pin outs.
Trailer brakes on all the time.	Check vehicle and trailer connector pin outs.

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