



151 INDUSTRIAL DRIVE
ASHLAND, MISSISSIPPI 38603
<http://www.tciauto.com>

TELEPHONE: 662-224-8972
FAX LINE: 662-224-8255
E-MAIL: tech@tciauto.com

TCI[®] 861200 Electric Brake Shut-Off

This Kit Contains:

Qty. Description

One (1) Solenoid

Caution! This piece is designed to cut the brake (s) off in a race application. Do not toggle the solenoid on while holding pressure on the brakes!

Important! Disconnect battery cables prior to installation. Disconnect GROUND (black) first!

Step 1 Select a mounting location that will position the solenoid between the brake master cylinder and the right front wheel cylinder.

Step 2 Before mounting solenoid, note that the solenoid body has two (2) threaded ports. The brake lines are connected to these ports. There are two (2) common size brake lines available. TCI's solenoid will work with either size but you will need to purchase the proper bushing adapter. The thread size in the TCI solenoid is 1/8" pipe thread. Purchase either an adapter that goes from 1/8" to 1/4" inverted flair or 1/8" to 3/16" inverted flair. When using the bushing adapters you may use Teflon tape on the adapter threads but do not cover the first two (2) threads. Use of an excessive amount of Teflon sealing tape can cause contamination to brake system. You must obtain a pair of brake line fittings to join the brake line to the solenoid. The brake line fittings will seal the system and keep from leaking fluid pressure.

Step 3 Mount solenoid securely. Then connect brake lines. The port that is marked '**Master**' must be connected to the brake master cylinder and the port that is marked '**Brake**' must be connected to the right front wheel cylinder. Use only DOT grade or better brake lines.

Step 4 Wiring the solenoid: The solenoid has two (2) wires: One (1) '**Black**' ground wire and one (1) '**Red**' hot wire that will be connected to the toggle switch. Proper installation is required. Make sure that the black ground wire is connected to a good clean contact area. When connecting the wires, use barrel connectors or other

proper electrical connectors. If additional wire is required, use only the same gauge or larger.

Step 5 A four (4) amp fuse should be connected between the TCI Brake Shut-Off and 12 volt positive (+) power source; before the toggle switch.

Step 6 Bleed brake system. After all the brake lines are installed, the system must be air bled to release any air trapped into the system.

Step 7 Refill master cylinder to proper level using approved DOT brake fluid.

Step 8 Test system: Reconnect battery. Jack vehicle up until the wheels are off the floor. Using proper weight jack stands secure the vehicle on the stands. Turn ignition on. Next, have someone turn the electrical system on, then turn the toggle switch on and depress the brake pedal. If wired and the brake lines are connected properly, this will cut off the right front brake. Next, try to turn the front tires. With the toggle switch in the "on" position and the brake pedal depressed you should be able to turn the right front tire, but not the left. Only when the toggle switch button is released, will you be able to turn the tires.

Warning: The TCI Electric Brake Shut Off is designed for use in off road performance vehicles and not intended for street use. The Electric Brake Shut Off has been manufactured to specific specifications and should not be used beyond its capabilities.

TRANS
HELP™
662.224.8972