

INSTALLATION INSTRUCTIONS

DEDENBEAR 
PRODUCTS, INC.
 1917 OAK PARK BLVD. PLEASANT HILL, CA 94523
 (925)935-3025 FAX (925)935-2287

**2 Stage
 Throttle Stop
 Controller
 Model TSC-2A**

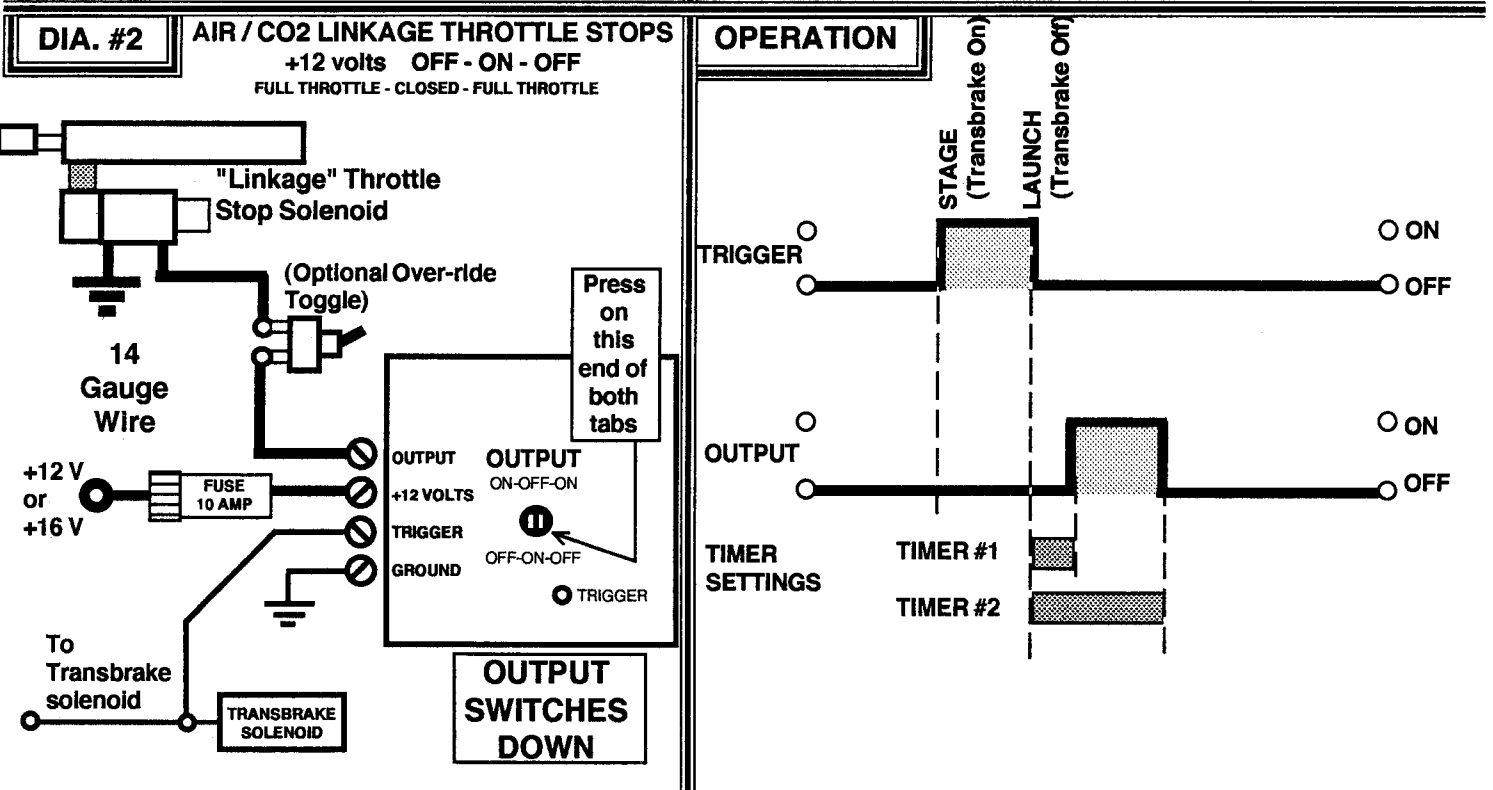
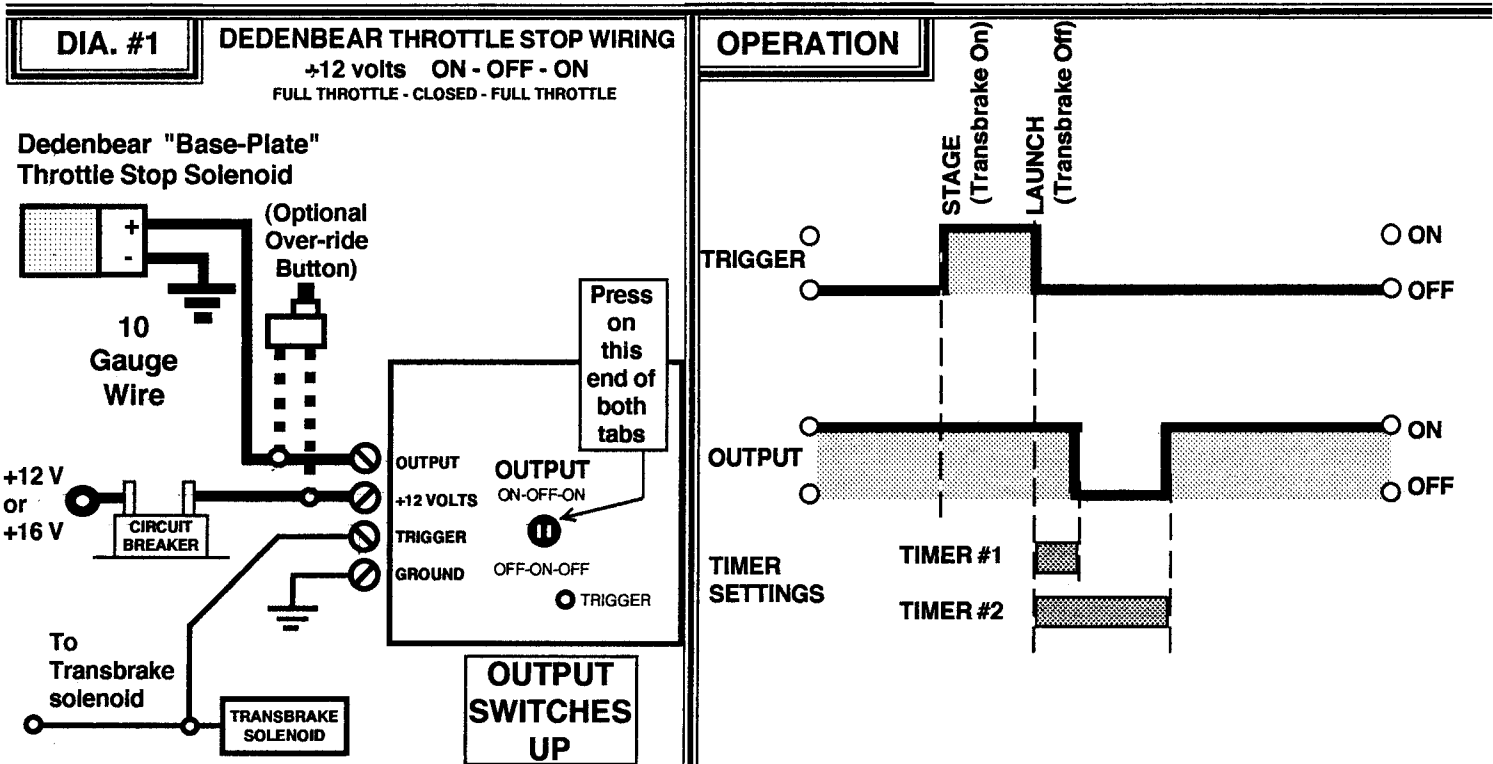
INSTALLATION

- 1) Mount the Throttle Stop Controller away from heat, vibration & ignition wires, Fasten it with (4) #6 sheet metal screws. It can be mounted in any position, even upside down for overhead positions.
- 2) Wire as shown in the wiring diagrams. The TRIGGER & GROUND wire can be 18 gauge. All other wiring should be **10 gauge** for electric throttle stops and **14 gauge** for NOS, clutch, air solenoids, or air throttle stops. It never hurts to use oversize wire. Make sure you have a good ground connection (grounding to the interior sheet metal is not reliable). Use the circuit breaker supplied with the Dedenbear Base-Plate Throttle Stops or a fuse for protection against expensive damage.

OPERATION

When you energize the Transbrake solenoid, the Throttle Stop Controller is reset. When you release the transbrake, Timers 1 & 2 simultaneously start. The Controller will activate at the times that were dialed into the push button switches. Since both timers *start* at the same time, Timer 2 must be set *longer* than Timer 1. The difference in the times is the duration. Any time the transbrake button is pressed, the timers are reset: i.e. you don't have to wait for the controller to go through its complete cycle.

The "OUTPUT" switches can be switched to provide the desired ON-OFF cycle. This only has to be done once to set up the timer for either a Linkage stop output or Baseplate stop output sequence. To set it, remove the plastic screw. With a toothpick, reach in and set the two little white tabs on the dip switch in the direction indicated by the faceplate labeling. Both white tabs must be in the same position to switch the output. Do not press too hard on the tabs. Replace the plastic screw by placing a small dab of RTV silicone on the threads and lightly tightening the screw.



For Technical Assistance, Please call: (925)935-3025

Using the TSC-2A as a 1 STAGE TIMER

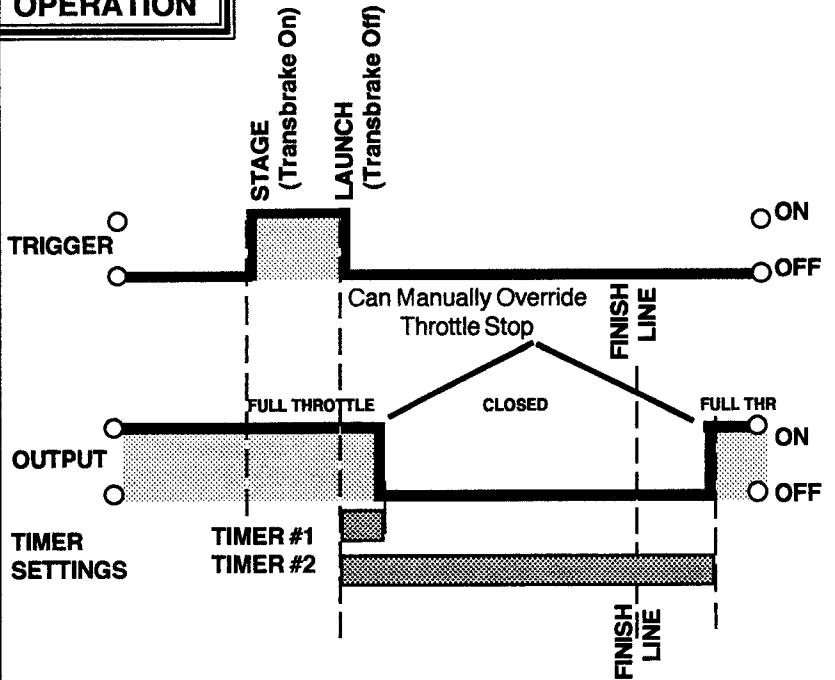
DEDENBEAR BASE-PLATE THROTTLE STOP FULL THROTTLE - CLOSED

Set Timer #2 to an E.T. larger than the car's E.T.

(For example: A 10 second car should have timer #2 set to 10.50 or greater).

When timer #1 has closed the Throttle Stop, the driver then has the option of "over-riding" the Throttle Stop, making it go wide-open. Just wire in a switch as shown on the wiring diagrams.

OPERATION



Using the TSC-2A as a 2 STAGE TIMER

DEDENBEAR BASE-PLATE THROTTLE STOP FULL THROTTLE - CLOSED - FULL THROTTLE

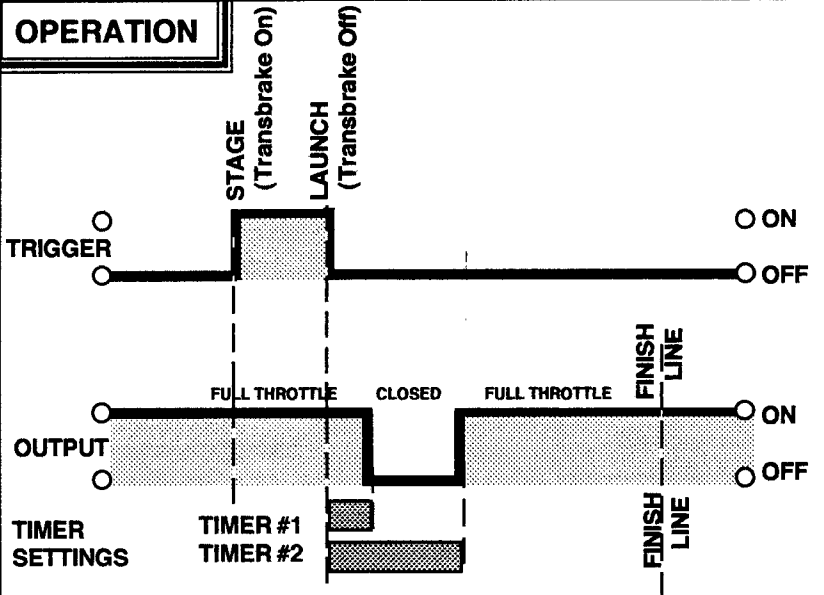
Set Timer #1 to the time you want the Throttle Stop to close.

Set Timer #2 to the time you want the Throttle Stop to re-open.

Timer #2 must be set to a longer time than Timer #1 (For example: If Timer #1 is set at 1.00 seconds, Timer #2 must be set for 01.01 or larger).

The *difference* between the two timers is the *duration* the Throttle Stop will be closed.

OPERATION



OUTPUT SWITCHES (Under 1/2-inch black plastic screw)

Underneath the 1/2-inch black plastic screw you will find 2 micro rocker type switches. These switches select the output sequence for the throttle stop timer.

By moving the "rockers" up (as shown to the right) the output will be ON - OFF - ON. This means the output will be "on" until Timer #1, then it will turn "OFF". Timer #2 will turn it back "ON" again.

By moving the "rockers" down the output will be OFF - ON - OFF. This means the output will be "off" until Timer #1, then it will turn "ON". Timer #2 will turn it back "OFF" again.

ON-OFF-ON



OFF-ON-OFF

USE A SMALL WOODEN TOOTHPICK TO MOVE THE ROCKERS. IF YOU CANT TELL IF IT MOVED, LIGHTLY PUSH DOWN ON THE OTHER SIDE. THESE ONLY NEED TO BE SET ONCE. BROKEN ROCKERS ARE NOT COVERED UNDER WARRANTY.

LIMITED 1 YEAR WARRANTY

Dedenbear Products components are warranted directly by Dedenbear Products against defective material or workmanship under normal use and service for a period of one (1) year after purchase. Dedenbear Products will repair or replace the defective unit, at Dedenbear Products option, free of charge. This warranty does not cover any damage to the component caused by abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow installation/operating instructions, maintenance, storage and environmental conditions, or repair attempts made by anyone other than Dedenbear Products Authorized Service facility.

DEDENBEAR PRODUCTS SHALL NOT BE LIABLE FOR INJURY, CONSEQUENTIAL, OR OTHER TYPE DAMAGES RESULTING FROM THE USE OF ITS PRODUCTS, OTHER THAN THE LIABILITY STATED ABOVE. This warranty is in lieu of all other warranties of merchantability or fitness for use. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For service on all Dedenbear Products, return directly to: DEDENBEAR PRODUCTS, INC. • ATTN: REPAIRS • 1917 OAK PARK BLVD. • PLEASANT HILL, CA 94523. For faster service, please include a note describing the nature of the problem, a copy of your original invoice, your name, return shipping address, and day time and evening phone numbers where you can be reached.

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