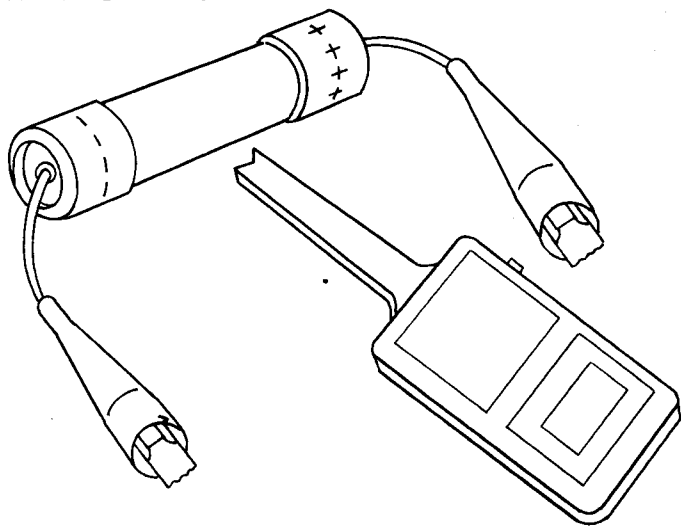




ET 400 DC AUTO TRACER OWNER'S MANUAL



General Description

The ET400 DC AUTO TRACER

detects voltage in automotive wiring easily, without having to puncture the insulation. The ET 400 DC AUTO TRACER consists of two parts, an Injector and a hand-held Detector. When the Injector is jumped across the battery, the Detector picks up all "Hot" wires without any electrical connection!

Features of the ET400 DC AUTO TRACER

- Connectionless
- Checks for continuity
- Detects shorts
- Loud beeping signal
- Hand-held, battery powered
- Easy to operate
- Made in U.S.A.

Operating Instructions

1. Connect Injector to vehicle battery terminals as shown on page 3. **Note:** Red (+) clip goes to battery +, and black (-) clip goes to battery -. **Caution:** Injury to personnel and damage to instrument can result if battery connection is reversed.
2. Move slide switch on Detector to "Hi" sensitivity position. Prove the instrument is operating by trying on a known "Hot" wire. The audible signal should quicken as wire is approached and become a steady siren when probe is touching wire.
3. The "Lo" sensitivity switch position on the Detector can be used if the signal is too strong as a result of a poor battery.

Applications of the ET400 DC

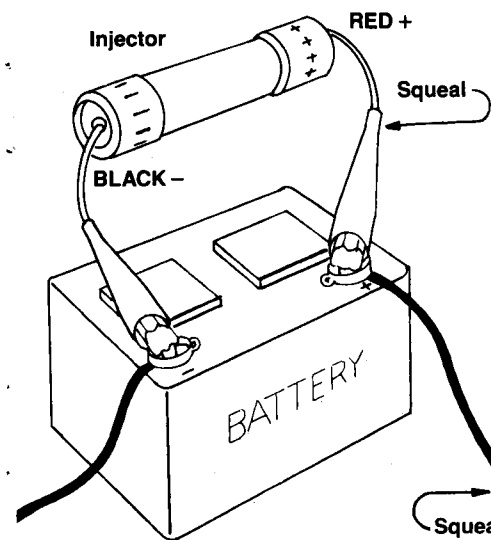
Detector will determine where a break in the wiring is located. The audible signal of the Detector will be a quickened beeping or a siren up to the break and normal beeping after the break.

Locates broken wires in: trucks, trailers, automobiles, boats, RVs, (or any vehicle employing a 12V storage battery).

Locates shorts (see page 4).

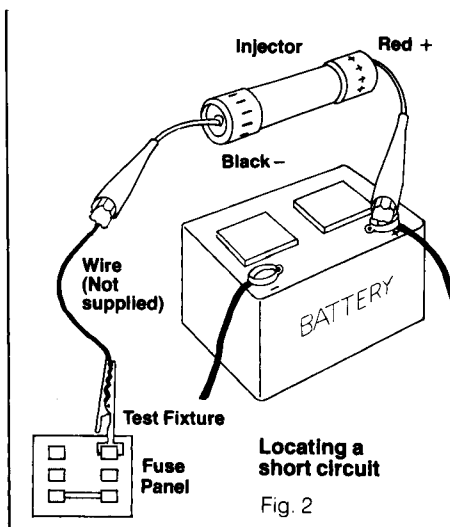
Locates and determines if fuses to automobile circuits are good. On one side of fuse of energized circuit, the Detector will sound a quickened beeping and normal beeping on other side of fuse, if fuse is open.

Determine if headlamps, signal lamps, parking lamps, etc. are functional (filament is good).



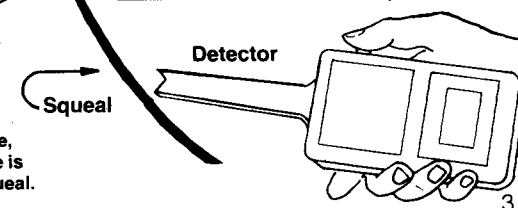
Test by placing Detector Probe on wire, audible signal should quicken as wire is approached and become a steady squeal.

Fig. 1



Locating a short circuit

Fig. 2



3

LOCATING A SHORT CIRCUIT

Your ET 400 DC readily locates the exact location where a cable is accidentally "shorted" to ground (contact car/truck body).

- 1) Connect the red injector lead (plus) to battery positive (plus); connect the other injector lead (black) to a length of insulated wire (not supplied) sufficient to reach the fuse panel (see fig. 2).
- 2) Remove blown fuse. Insert special test fixture into one of the two fuse contacts and connect (as shown in fig. 2) with a wire leading to injector (black). Select that fuse contact which is connected to the short circuit. If uncertain which of the two fuse contacts to select make a trial connection. If the connection is correct, the detector will "beep" when detector approaches the test leads; if not reverse and repeat test.
- 3) The shorted wire will "beep" the detector; follow it until signal stops, indicating you have found the short!

Specifications

Injector:

Operating Temperature:

32°F to 125°F

Dimensions:

6½" long x 2" dia. (excluding 6" leads)

Detector:

Operating Temperature:

32°F to 125°F

Power Supply:

9V Transistor Battery

Battery Life:

Approximately battery shelf life

Warm-Up Time: Instantaneous

Response Time: Instantaneous

Weight:

14 ounces/117 grams

Dimensions:

8½" x 3" x 1"

Limited Warranty and Repair/Exchange Policy

This instrument is designed and produced to provide unlimited service. Should the unit be inoperative after the user has performed the recommended maintenance a no-charge repair or replacement will be made to the original purchaser. This applies to all repairable instruments which have not been tampered with or damaged. The claim must be made within one year from the date of purchase. For repair of your instrument see your supplier.

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