

# A. T. A. Control Systems, Inc.

A New York Corporation

## MODEL 300/300B

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### SERVICE INFORMATION FOR AMERICAN TELEPHONE ALARM MODELS

#### CHANGING TAPE

##### TO REMOVE OLD TAPE

1. Unscrew washer holding cartridge on spindle.
2. Lift Tape away from head nest and surface of recording head.
3. Push cap stand roller which is spring loaded and remove tape.
4. Lift off cartridge and tape will slide off 4 guide post's.

##### TO INSTALL NEW TAPE

1. Pull leader out from cartridge about 3 to 4 inches.
2. Place cartridge on and screw to spindle.
3. Feed tape through 4 guides and across recording head.
4. Push cap stand roller which is going loaded and insert tape.

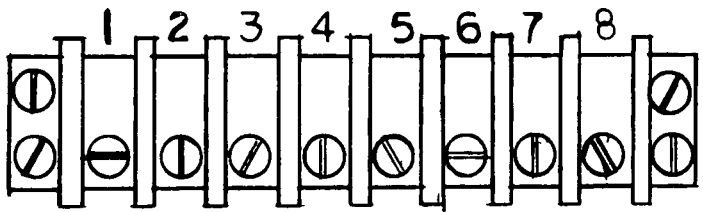
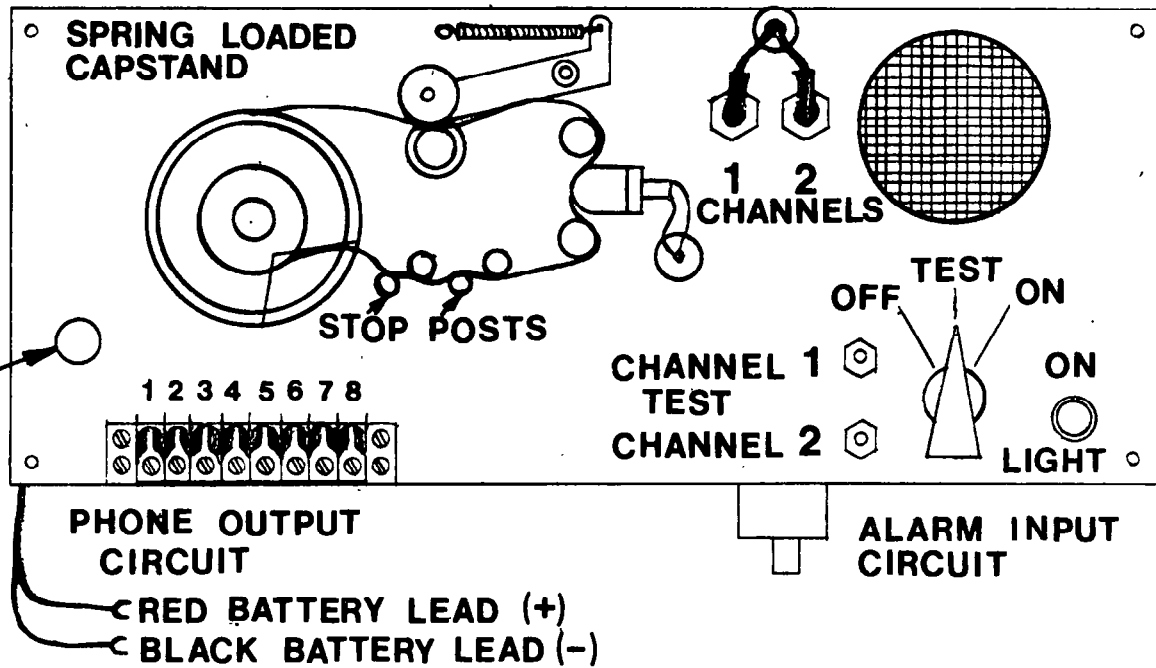
The only control inside the unit is a volume control located in about the middle of the top printed circuit board. This pot is normally set at the correct volume at the factory. Should you need additional volume, the adjustment can be made by rotating the pot.

The American Telephone Alarm has two normally open input circuits. These are activated by a dry closure to the unit. Once the unit has been tripped, it can be turned off at the "On/Off" control switch. The tape will continue to run through without the message until it automatically resets for the next message.

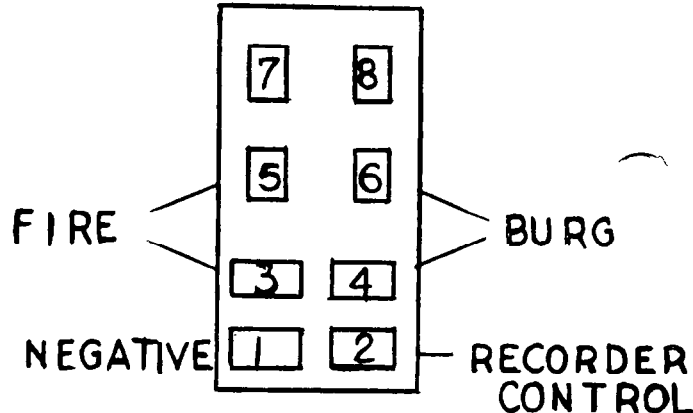
It is recommended that a relay be installed in the local alarm control equipment so that when the alarm is tripped, it will supply a dry closure to the unit. DO NOT mount this relay in the dialer. It will cause a short if it is a "hot frame" relay. Be careful that the dialer case does not touch the case of any alarm control equipment placed next to it as this can also cause shorting of both units.

The American Telephone Alarm unit is a telephone communicator only, therefore, some type of alarm control equipment must be placed ahead of the input circuits if "Closed Circuit" operation is required. The standby battery is just for that unit and the telephone coupler ONLY. It can NOT be used for bells, or other uses.

To assure proper tape function, make certain that there are no creases or folds. Tapes are shipped with yellow leaders exposed. We will not accept tapes for exchange if creased, folded, or if yellow leader is not exposed. Do not attempt to repair splices to stop foil in the field. This must be done under exacting conditions. Uneven splices will cause binding.



PHONE OUTPUT CIRCUIT



ALARM INPUT CIRCUIT

1. Terminal strip connections:

Terminal #	Color Code	Coupler pin#
1 Positive	Orange	9
2 Negative	Yellow	11
3 Audio	White	1
4 Audio	Brown	3
5 Pulse	Green	13
6 Pulse	Blue	15

7 **CLASS II TRANSFORMER**

- For direct connection to the telephone lines, jumper pins 4 & 5 on terminal strip and connect phone lines to pins 3 & 6 on terminal strip.
- Coupler pin numbers refer to either KS-20008 or KS-20445.

- Dry Closure Only:  
Channel 1 (Burglary) pin 4 & 6  
Channel 2 (Fire) Pin 3 & 5
- Pins 1 & 2 are not to be used
- Pins 7 & 8 are for alarm circuit loop.