

**TROUBLE-SHOOTING  
GUIDE  
FOR  
KEANE MONROE 7000 SERIES  
SLIDING ENTRANCEWAY  
PACKAGE**



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# **INTRODUCTION**

## **TROUBLE SHOOTING GUIDE FOR**

### **7000 SERIES SLIDING ENTRANCEWAY PACKAGE**

Keane Monroe Corporation has expended a great amount of money, time and talent in producing the 7000 Series Sliding Entranceway Package to the highest standards of engineering design and on-site operation. This unit has been thoroughly tested before shipping and includes advanced engineering features. As a result, when properly installed and adjusted, it should provide the building owner and users of the building in which it is installed, long, trouble-free operation.

However, we also recognize the fact that the 7000 Series Sliding Entranceway Package is subjected to many variations of uses, job conditions, and abuse by users of the equipment. The following trouble-shooting guide has been prepared as a means for those responsible for maintaining the operation of the equipment to do so with a minimum of difficulty. Possible operational problems are described and correcting solutions given. In addition, illustrations in the back of this brochure should make it very easy to identify the various parts referred to and the adjustments to be made.

You may note that this trouble-shooting guide is relatively brief. The reason is simple; the 7000 Series has been designed, built and tested to avoid, as much as possible, field operation problems. If you run into a problem not described in this booklet or have any problem at all with the equipment, feel free to call our National Service Department, toll free, at 1-800-438-1937. If you study this brochure carefully and follow the steps, it should not be necessary for you to seek further help. However, should you require it, help is available and as near as the closest telephone.





## POSSIBLE PROBLEMS AND CAUSES

### 1. DOOR WILL NOT OPEN.

- A. No 110 Volt power from power supply to operator
- B. Off/on - hold open switch in off position. Located in side jamb  
SEE FIGURE A - NUMBER 1.
- C. Actuating circuit open: Check for defective mat, sensor, etc.
- D. Door(s) in panic position: Reset door(s).
- E. Direct short in panic circuit: Check panic circuit with Ohmmeter at plug/socket labeled with the letter "P" (black & red wires). Plug/socket labeled with the letter "P" is located behind gear box.  
FIGURE A - NUMBER 4.
- F. Closing, open and creep speed-switch not making positive contact in high, medium, and low positions. SEE FIGURE C - NUMBER 24  
  
Note: The creep speed switch has three positions - two of these positions are used to control the high and low creep speed. If the third position is not connected to the low position as in later models, no power will go to the control. This will not apply to controls with open and close switches.
- G. 12 pin connectors #3 and T not firmly connected to control.  
SEE FIGURE B - NUMBER 5 & 6.
- H. Relay K1, K2, K3, or Reed Relay (SEE PAGE 4) not firmly seated in socket.
- I. Loose wires and/or connectors in wire harness. Wire(s) in harness may be damaged or broken.

### 2. DOOR(S) OPEN NORMALLY - WILL NOT CLOSE OR CLOSES VERY SLOW.

- A. Closing speed switch not making positive contact. Check switch position - must NOT be in between high - med, and med-low position.  
SEE FIGURE C - NUMBER 24.
- B. Check latch limit switch #1 for the following. (See Wiring diagram)  
Latch limit switch located behind control box. SEE FIGURE A  
NUMBER 5.
  - 1. Defective Limit Switch - Replace
  - 2. Broken or damaged wires to limit switch - Repair or replace
  - 3. Broken solder connection(s) - Resolder
  - 4. Broken Actuator lever - Replace
- C. Defective mat, Sensor or activating switch.





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Possible Problems and Causes

3. DOOR(S) OPEN SLOW - STOP - CLOSE NORMALLY.
  - A. Check back check limit switch #2 for the following. SEE FIGURE A. NUMBER 7.
    1. Defective switch - replace.
    2. Broken or damaged wires to switch - repair or replace
    3. Broken solder connection(s) - resolder
    4. Broken Actuator lever - replace
  - B. Open speed switch not making positive contact. Check switch position - must NOT be in between high - med, or med-low position. SEE FIG. C NO. 24
4. DOOR(S) OPEN AND CLOSE SLOWLY.
  - A. Limit switch wire harness disconnected from main circuit. Check plug/sock marked L. Plug/Socket "L" located behind motor. SEE FIGURE A - NUMBER 2.
5. ERRATIC ACTION DURING OPEN AND/OR CLOSE CYCLE.
  - A. Check limit switch actuator levers. For proper adjustment, actuator angle must contact lever enough to activate limit switches. SEE FIGURE A - NUMBER 7.
  - B. Check for loose connection(s) or damaged wire(s) to latch and backcheck switches.
  - C. Door(s) binding during opening and/or closing cycle - check for bind by disconnecting door(s) from drive belt. Doors should move freely with a pressure of 3 pounds or less.
  - D. Door movement activates Sensor - realign Sensor so door(s) will not enter the sensor pattern.
  - E. Check mat cable circuit for loose connections. Plug/socket marked I. Located on wire shelf behind motor - SEE FIGURE A - NUMBER 2.
6. DOOR(S) SLAM SHUT.
  - A. Check latch limit switch #1 Actuator lever adjustment. Actuator Angle must activate limit switch during open and closing cycle. Latch effect comes when angle releases latch limit switch. Actuator angle is attached to back of door hanger and roller assy. SEE FIGURE C - NUMBER 14.





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Possible Problems and Causes

7. DOOR(S) SIAM OPEN

- A. Check limit switch #2, actuator lever for proper adjustment. Actuator angle must activate limit switch before fully open. Actuator angle is attached to back of door hanger and roller assy. SEE FIGURE C NUMBER 14.

8. DOOR(S) WILL NOT CLOSE ALL THE WAY

- A. Check breakaway side light - interlocks - sidelight might be panicked enough to keep interlocks from engaging.
- B. Check top belt bracket (Bi-Part only) - if loose or not positioned properly one door leaf will hit interlock before other door leaving gap — doors must be centered in frame opening.

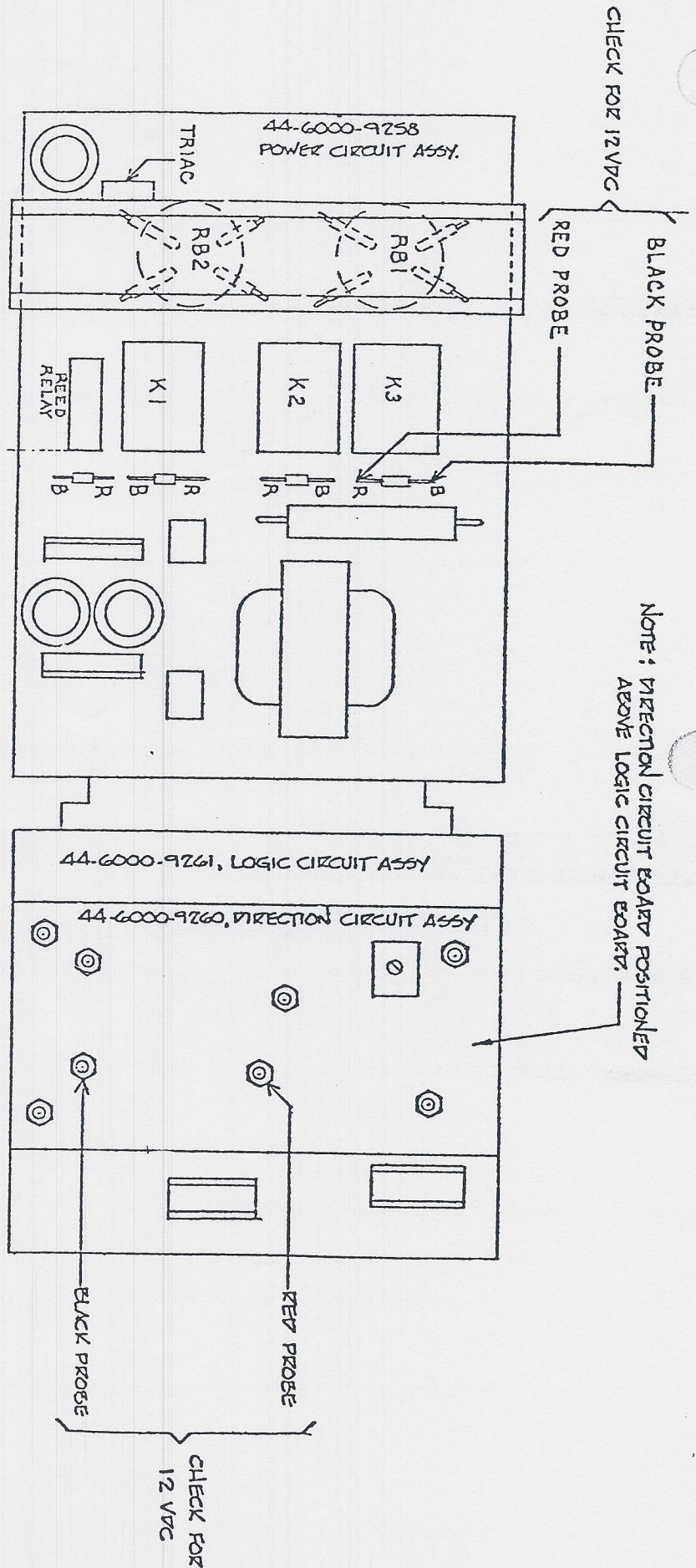




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## Automatic Operator Systems

TO CHECK FOR POWER TO EACH RELAY COIL, PLACE THE RED AND BLACK VOLTMEETER PROBES ON THE ADJACENT DIODE AS INDICATED, AND LOOK FOR 12VDC ON K1, K2, AND K3. CHECK FOR 6VDC ON THE REED RELAY. THE TEST POINTS FOR K3 ARE SHOWN ABOVE AS AN EXAMPLE.







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## Automatic Operator Systems

Figure A

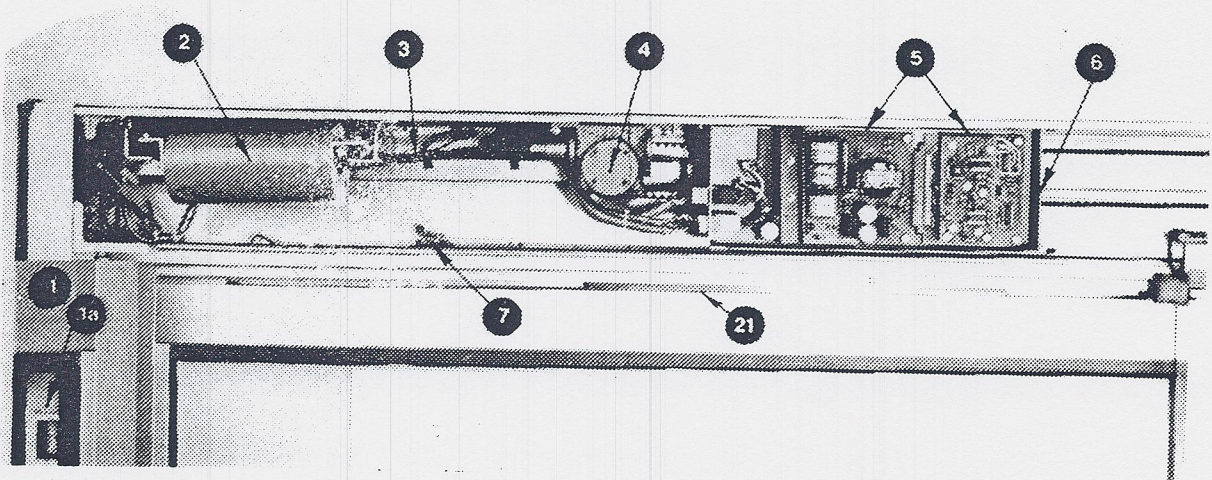


Figure B

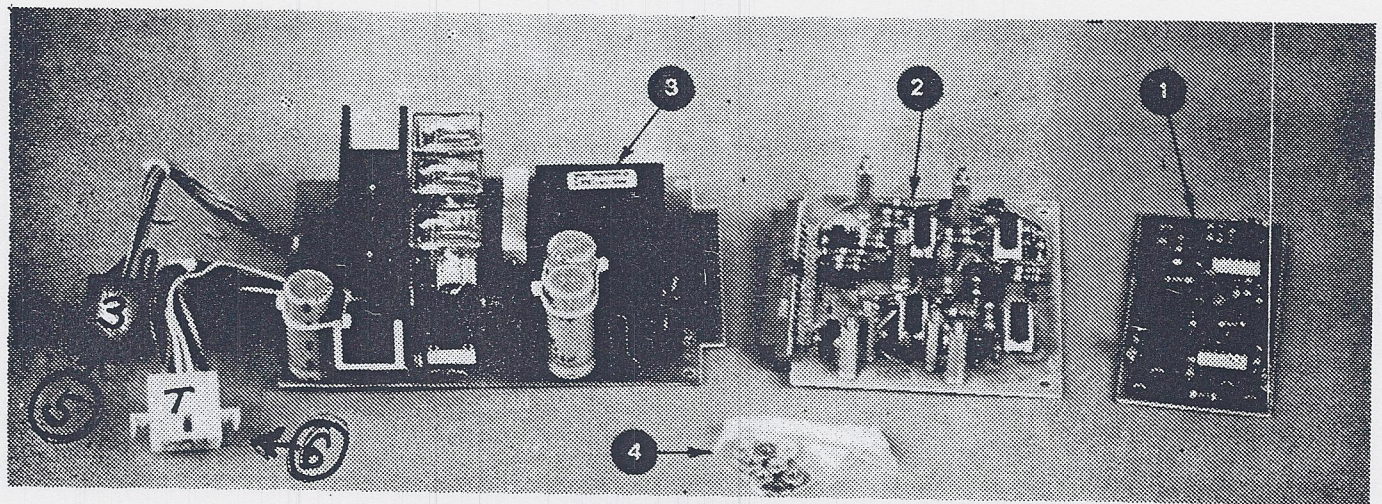
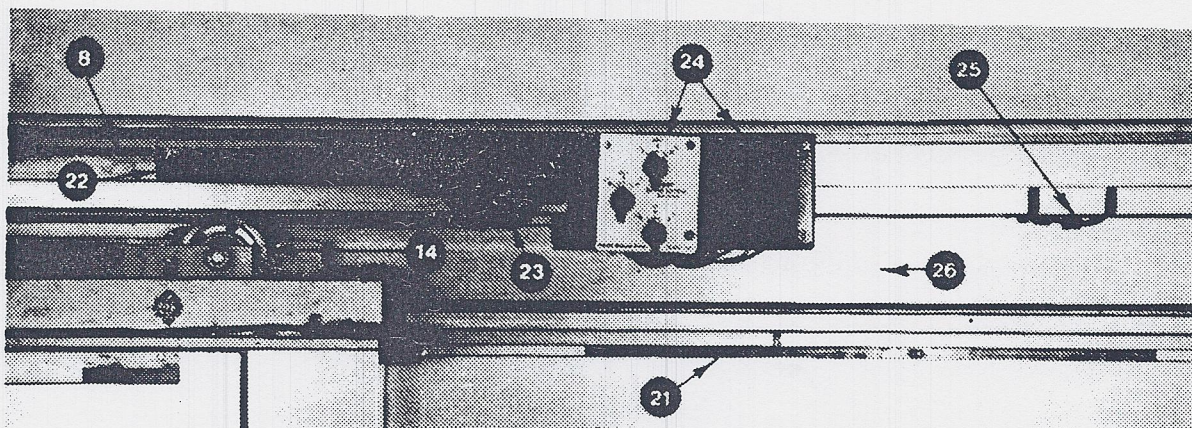


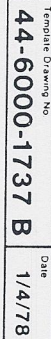
Figure C









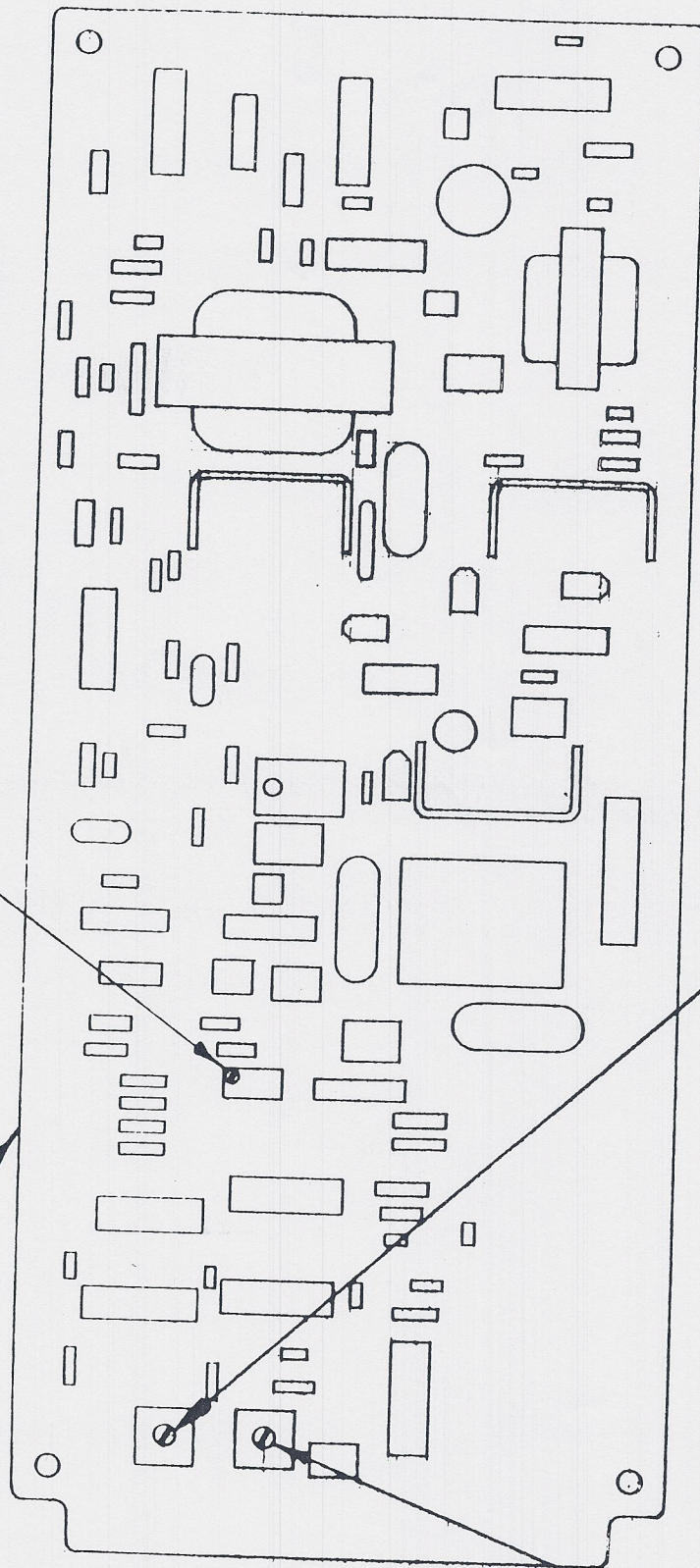




/000 POWER OPEN-POWER CLOSED CONTROL

44-6000 -0234

TIME DELAY FOR CLOSING.  
Turn clockwise to increase time,  
and counter clockwise to decrease.  
20 Turns total range, 0 to 3 minutes.  
Starting with serial no. .065 this adjustment  
pot was changed to 3/4 turn max and time  
changed to 0 to 30 seconds.



#### OPENING SPEED

Turn clockwise to increase  
speed & counter clockwise to  
decrease speed. Approx. 3/4  
turn total.

#### CLOSING SPEED

Turn clockwise to increase  
speed & counter clockwise to  
decrease speed. Approx. 3/4  
turn total.

Serial no. ( )

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44-6000-0234