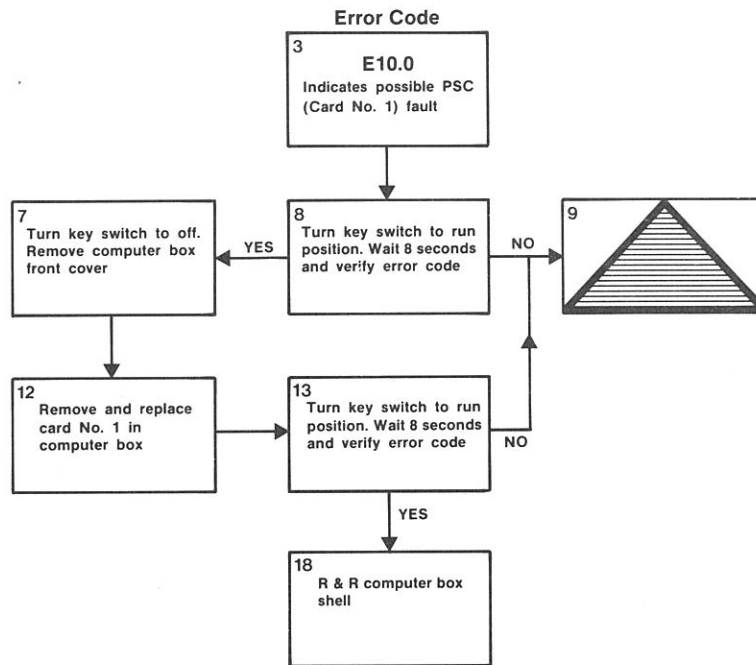
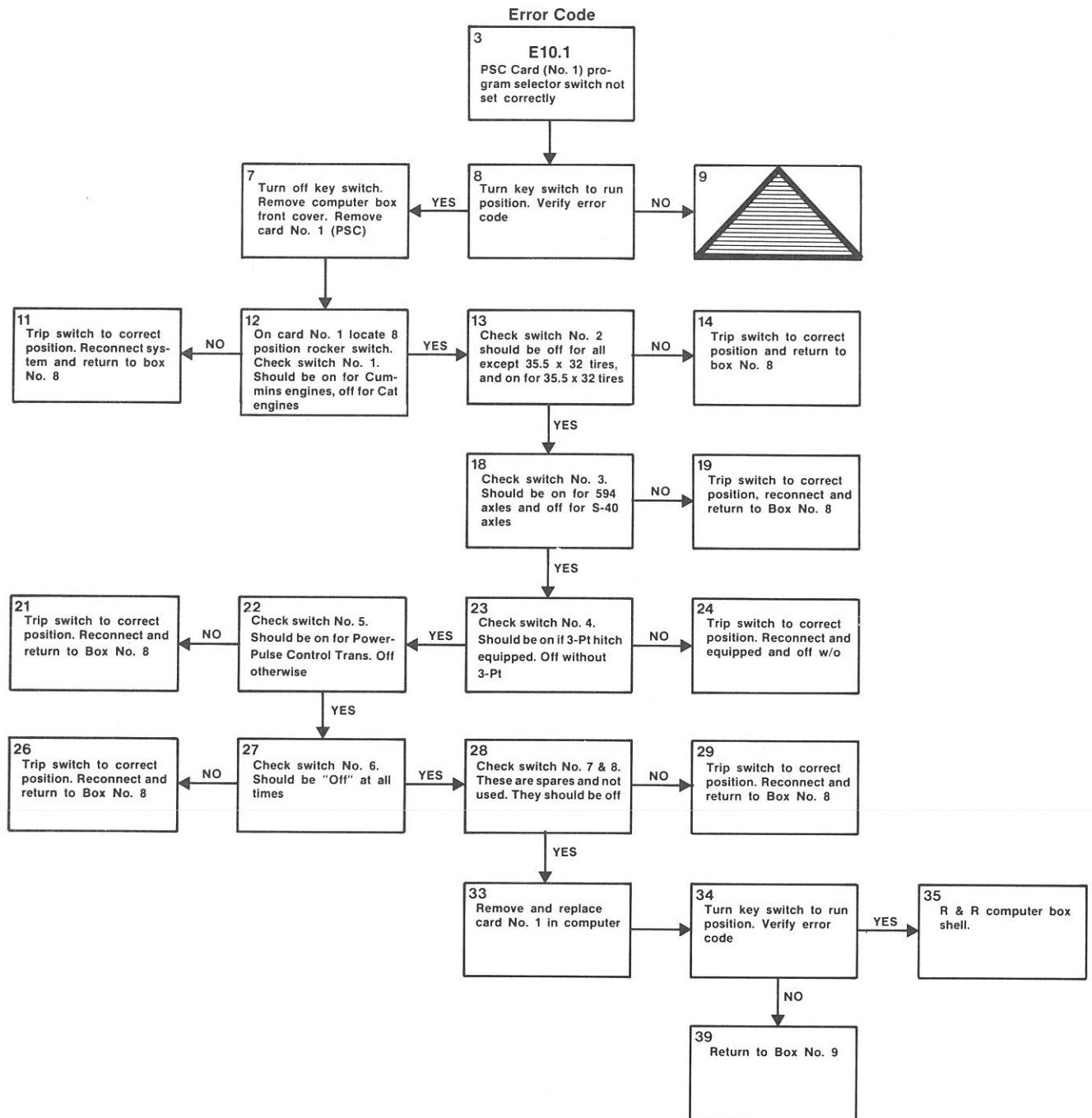


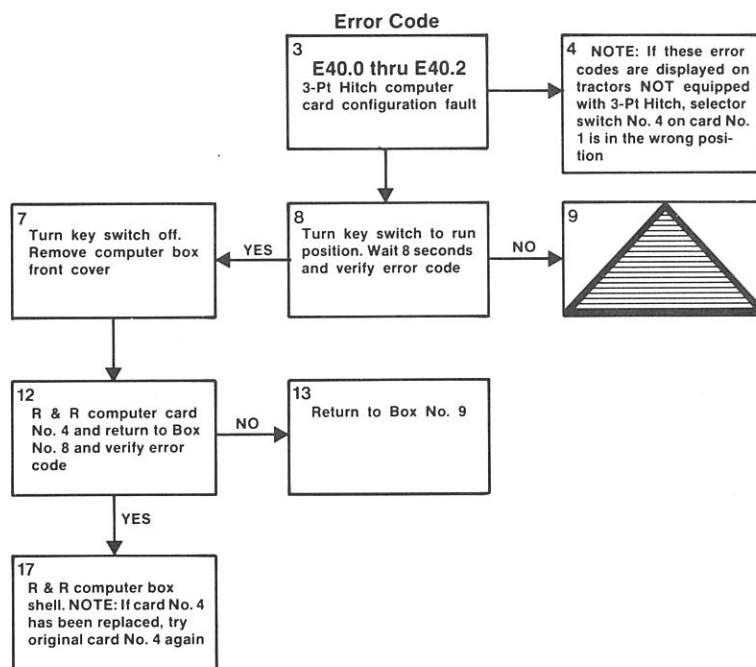
# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide



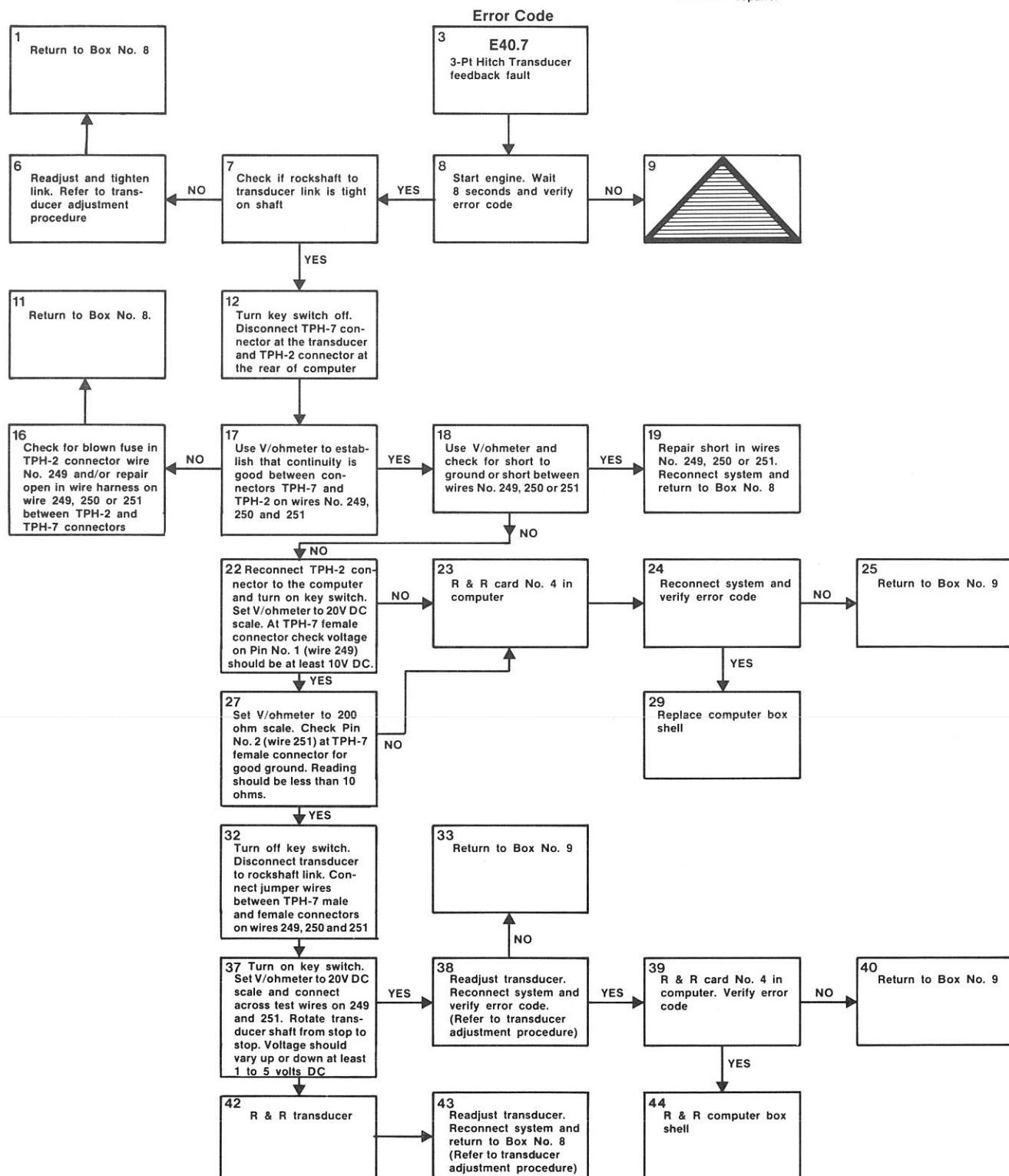
# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide



CAUTION: Engine must be shutdown when performing 3-Pt Hitch adjustments or repairs.

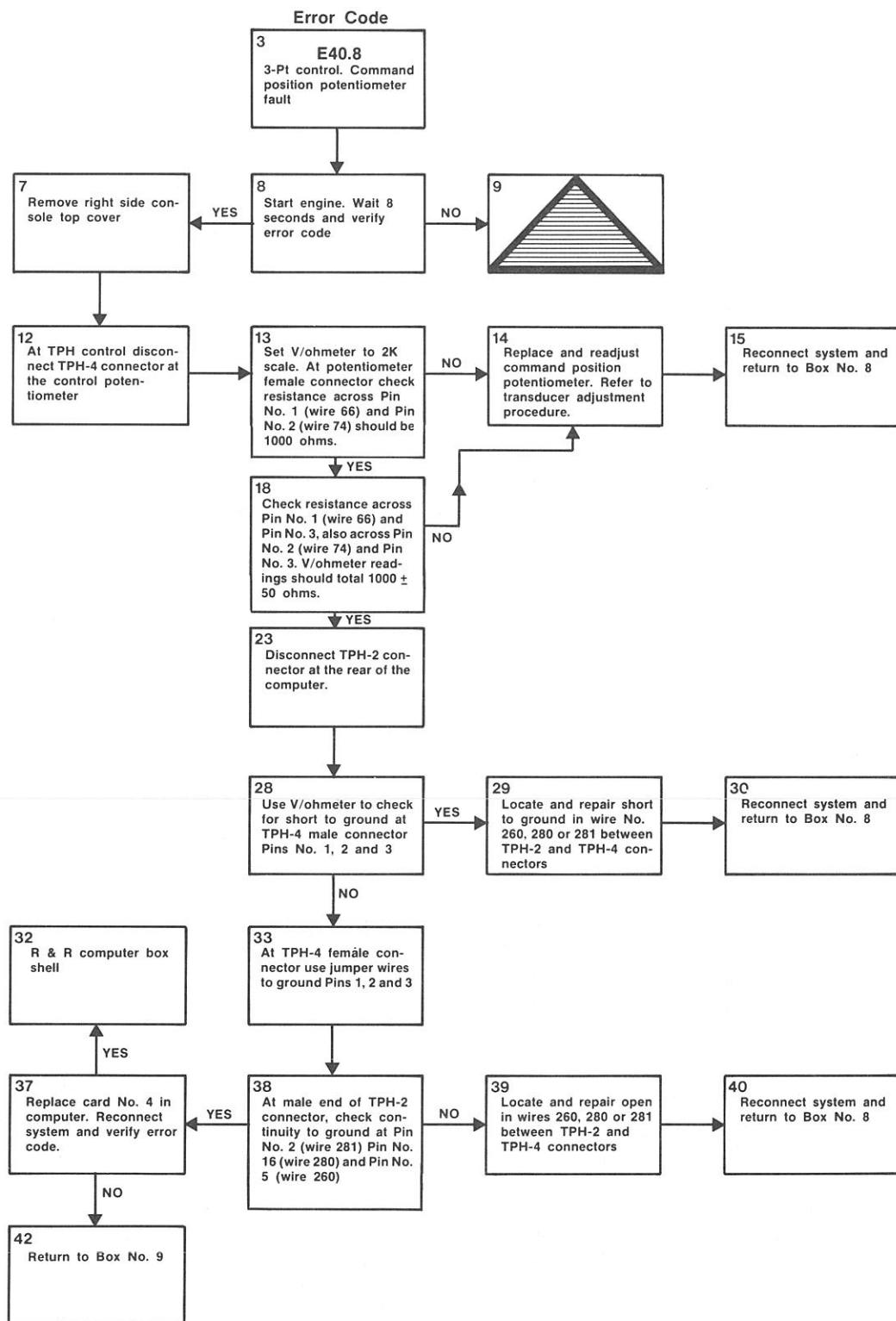




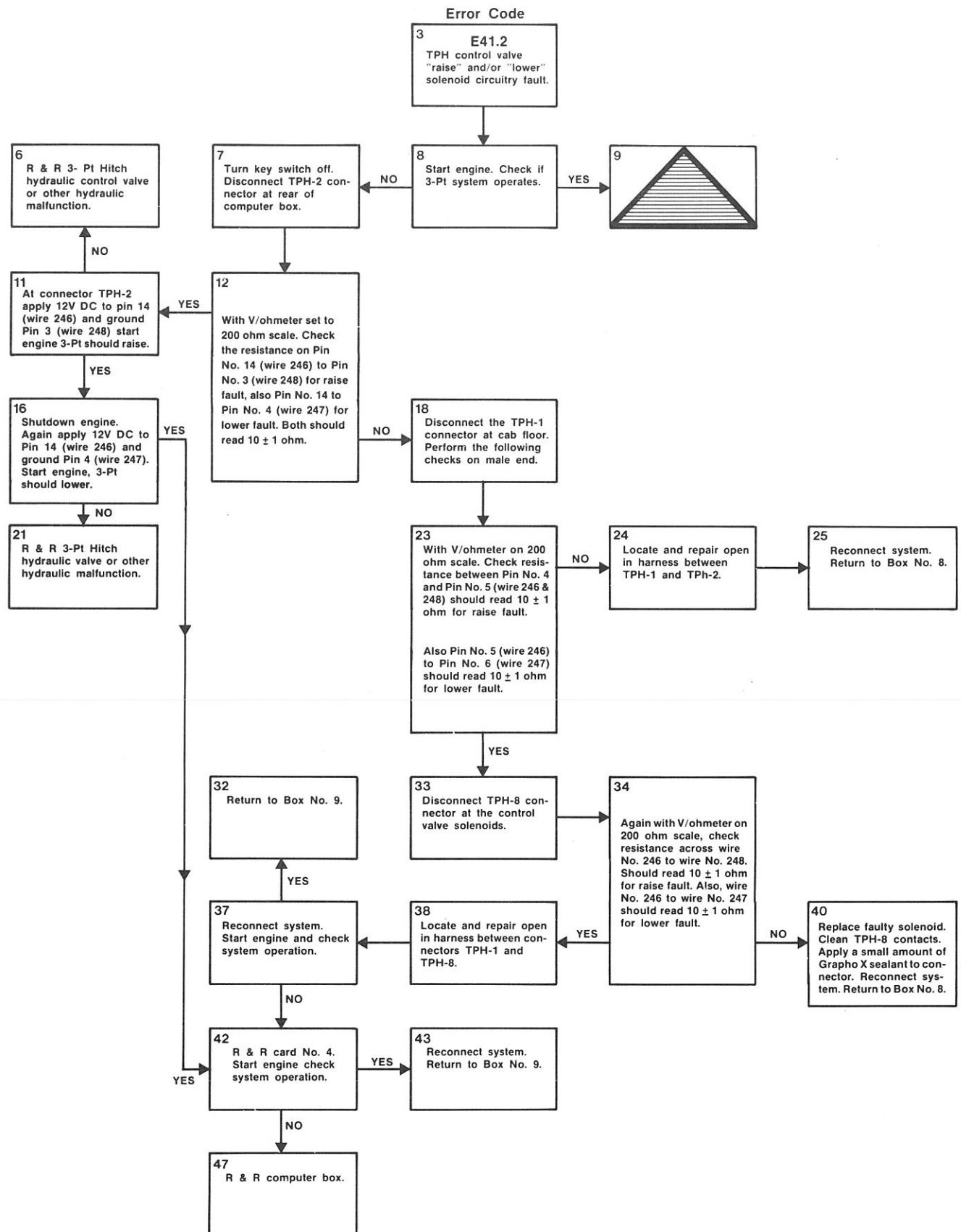
# Panther 1000 Troubleshooting Guide



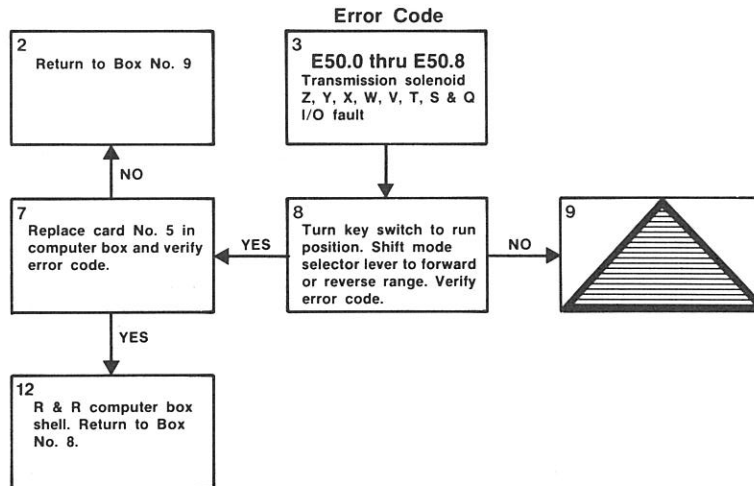
CAUTION: Engine must be shutdown when performing 3-Pt Hitch adjustments or repairs.



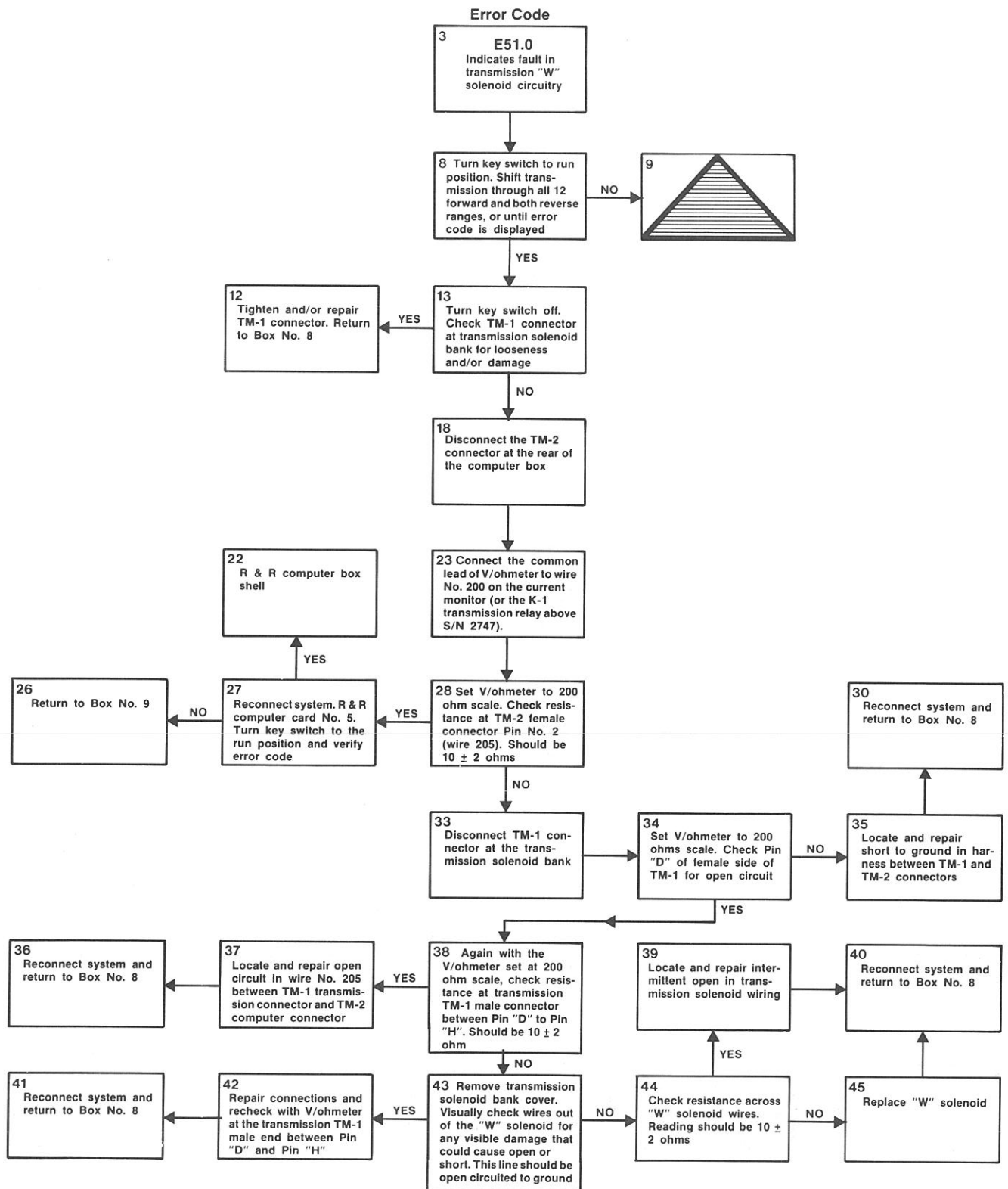
# Panther 1000 Troubleshooting Guide



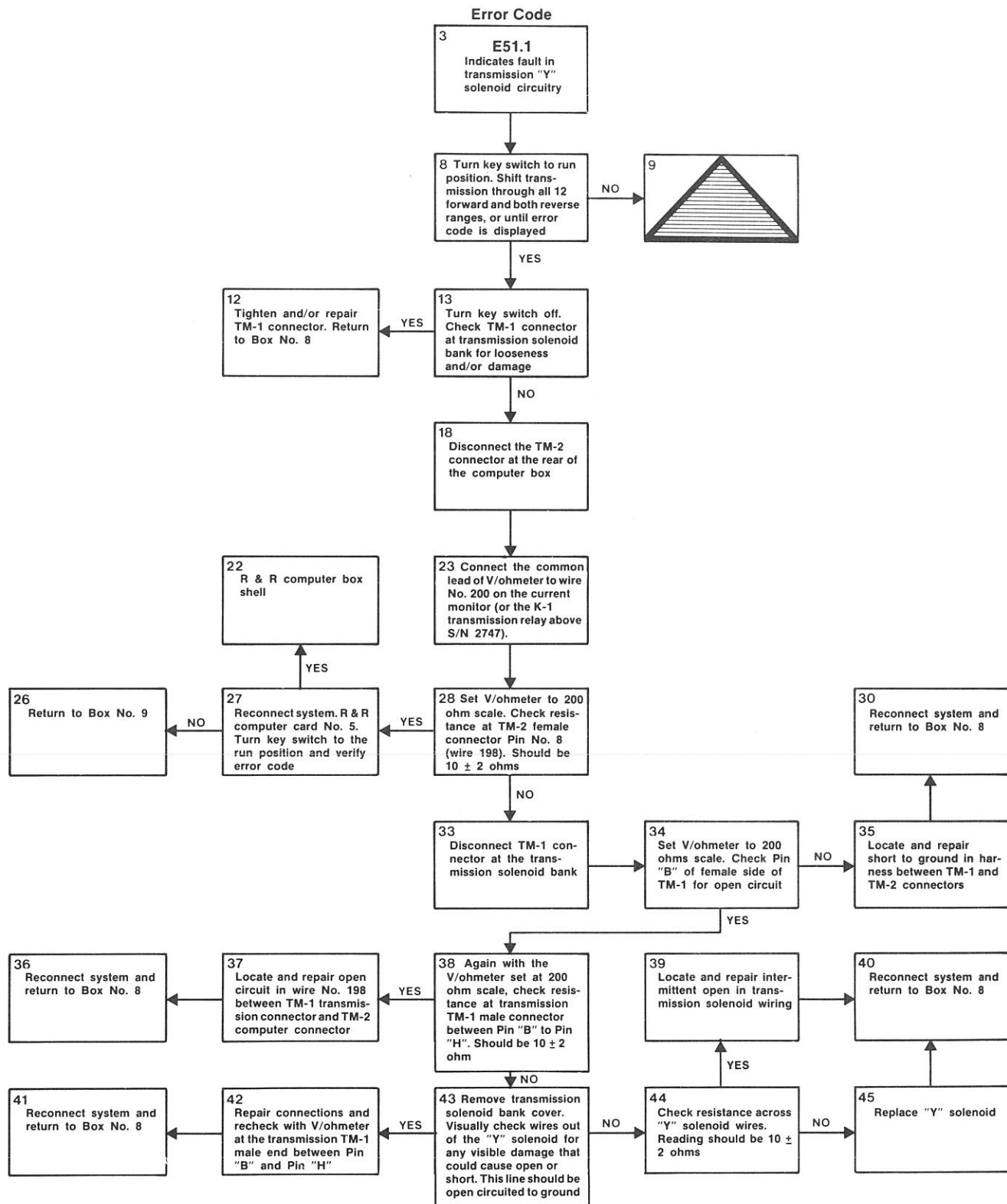
# Panther 1000 Troubleshooting Guide



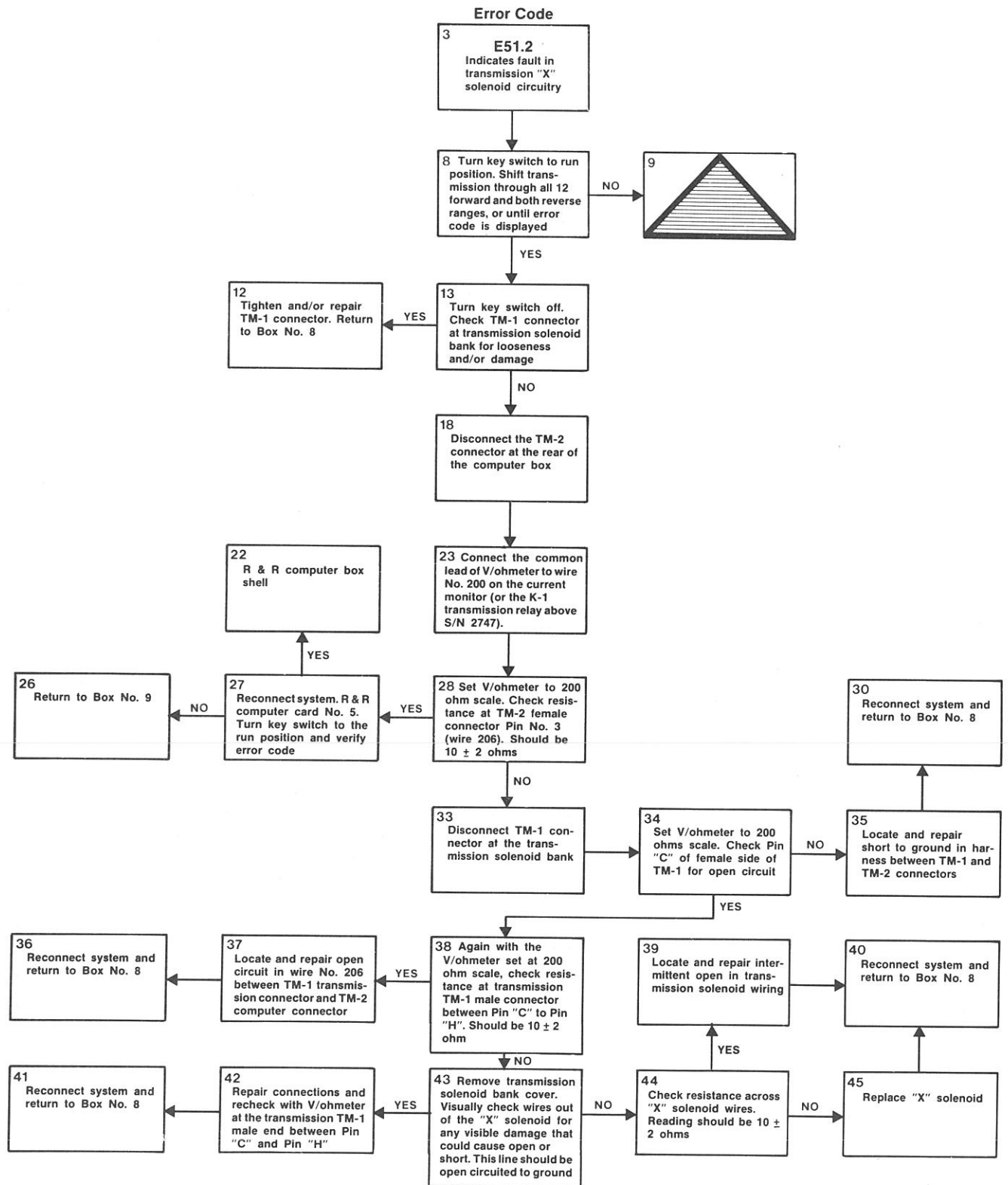
# Panther 1000 Troubleshooting Guide



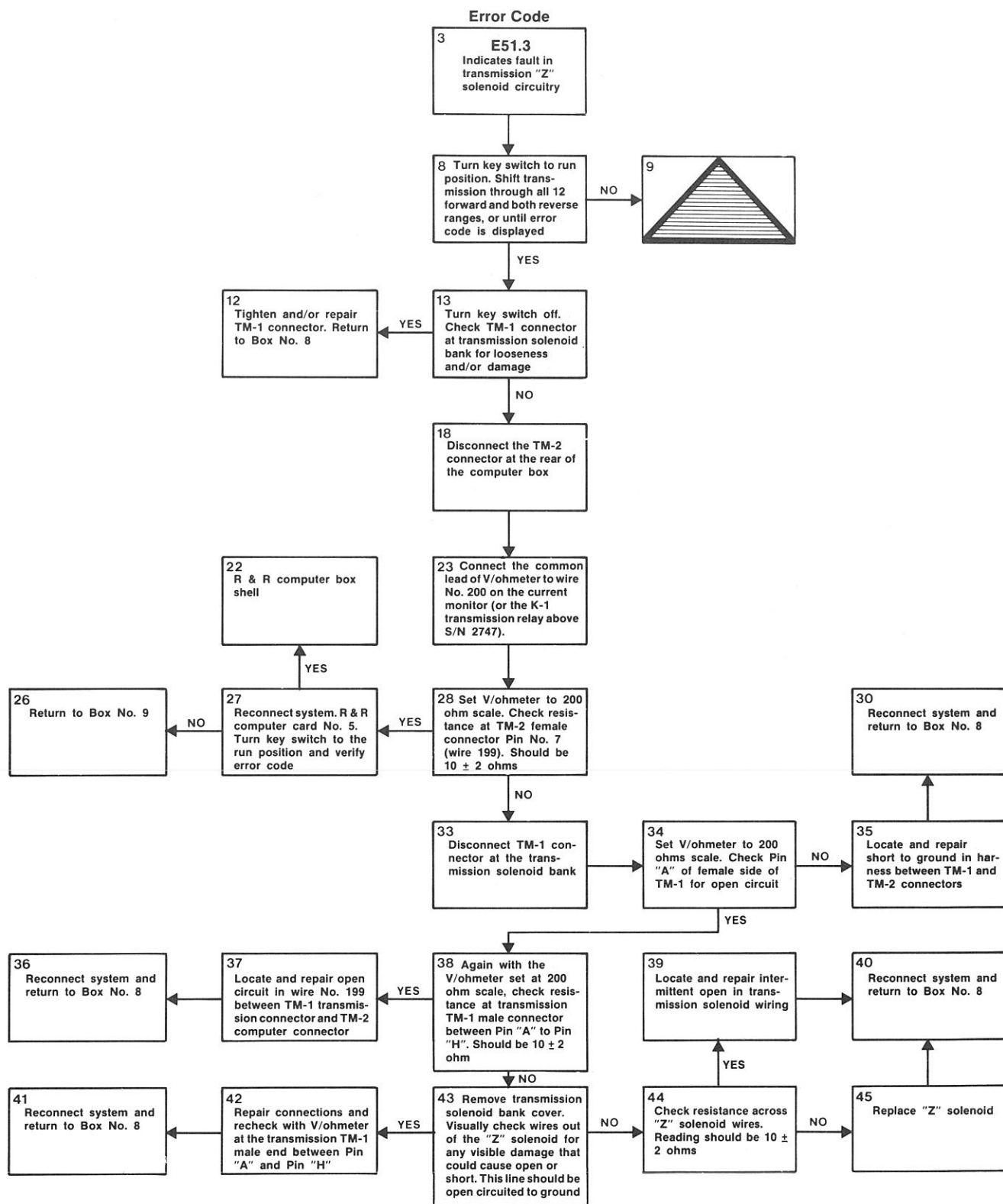
# Panther 1000 Troubleshooting Guide



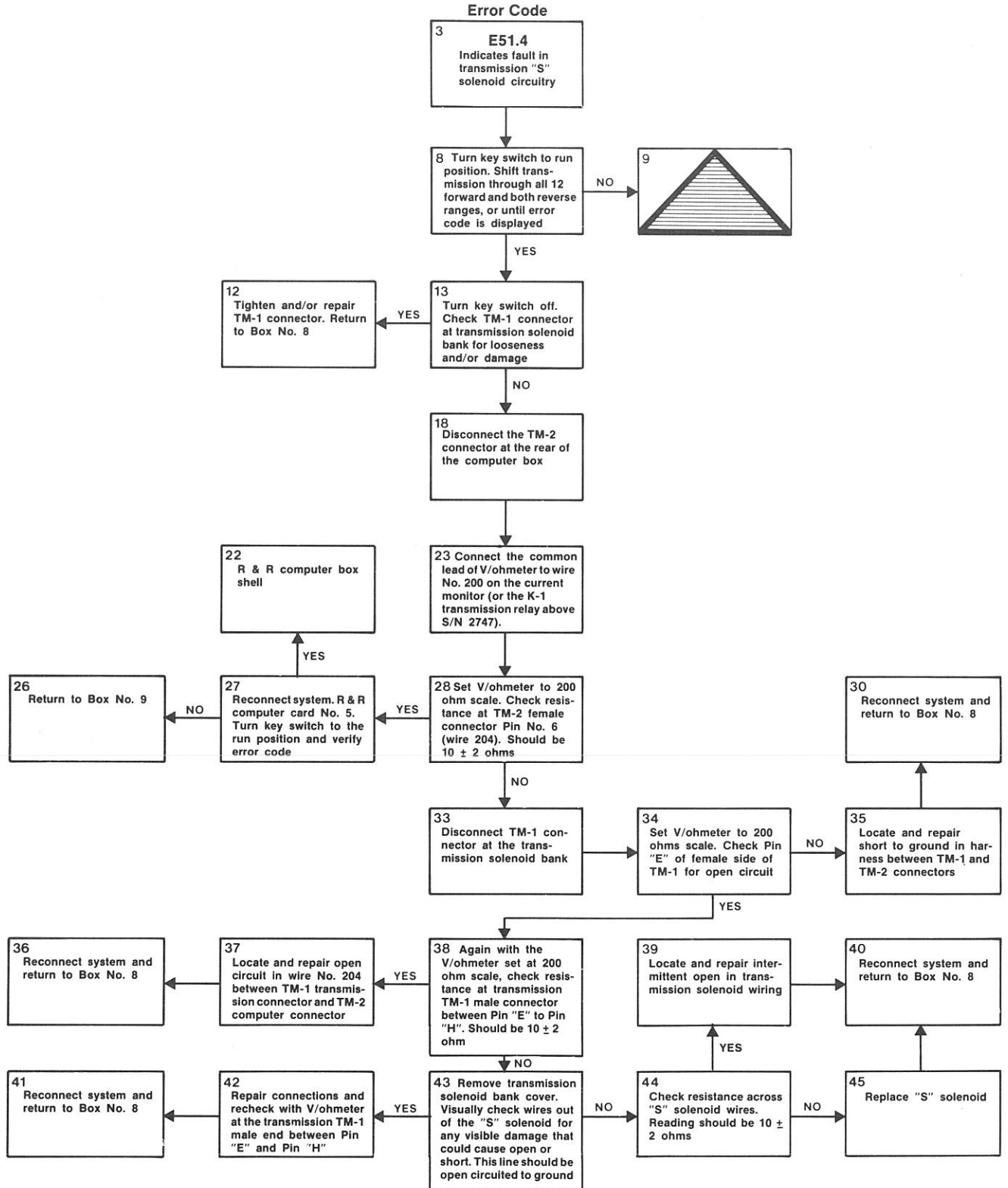
# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide

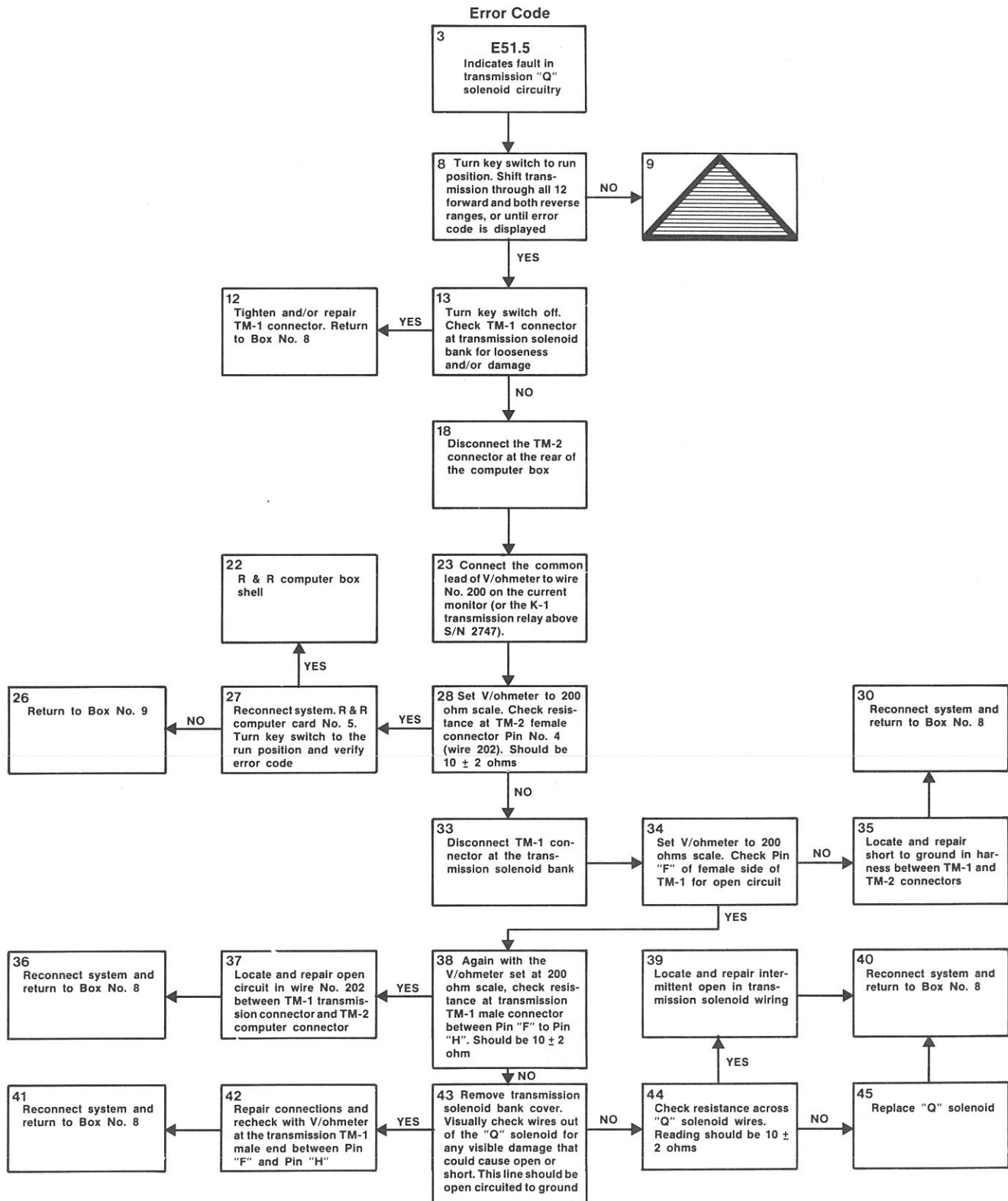


# Panther 1000 Troubleshooting Guide

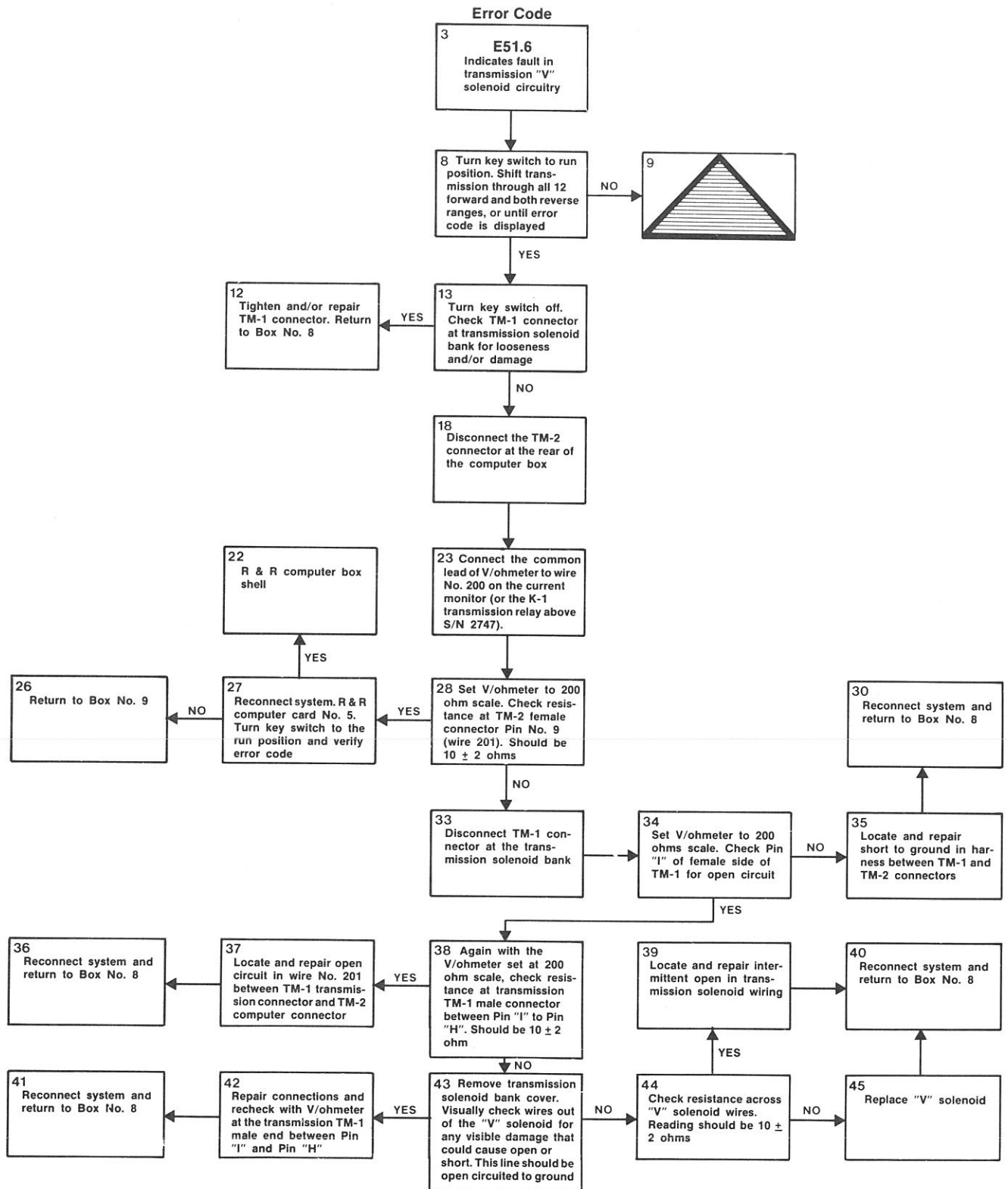




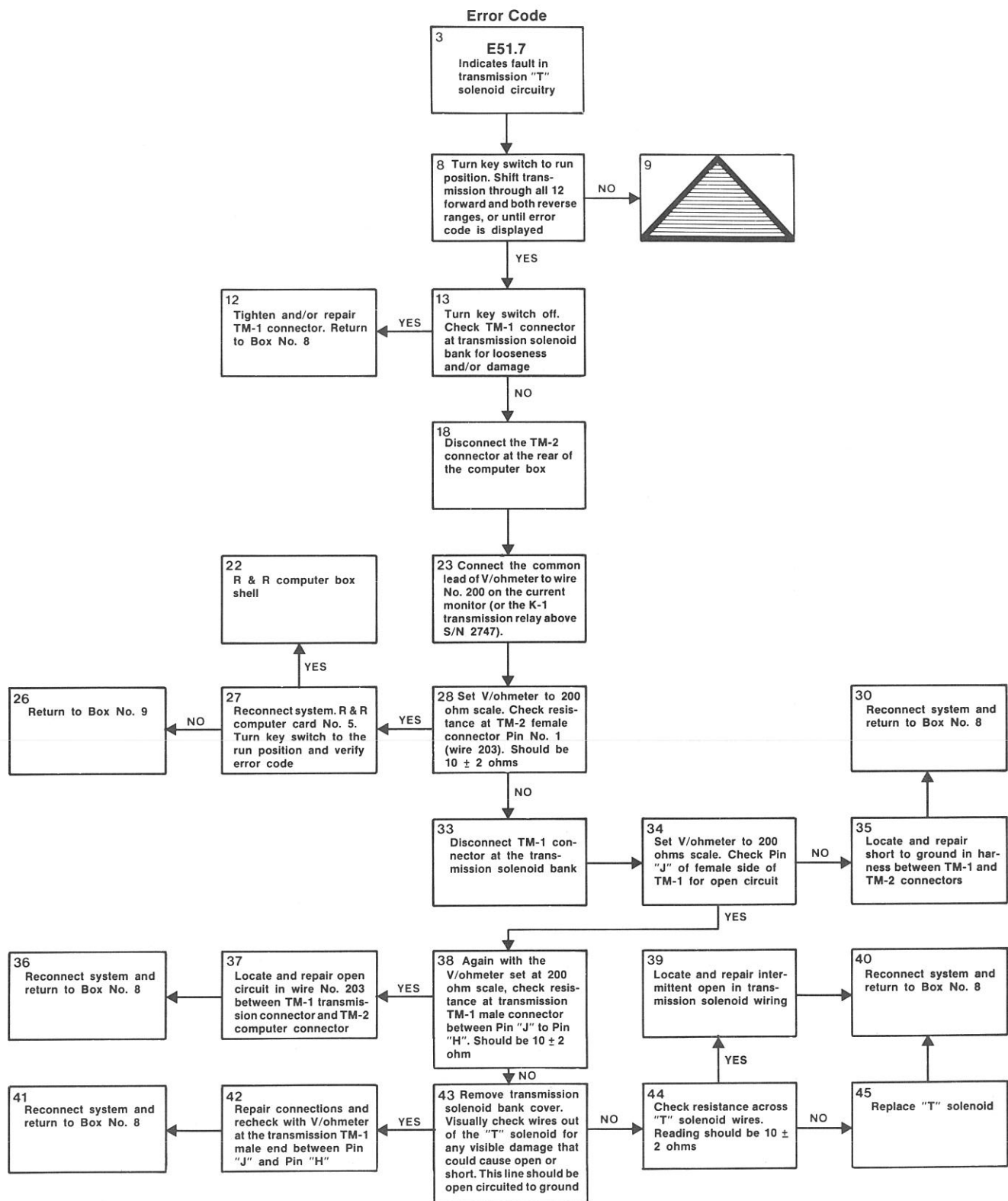
# Panther 1000 Troubleshooting Guide



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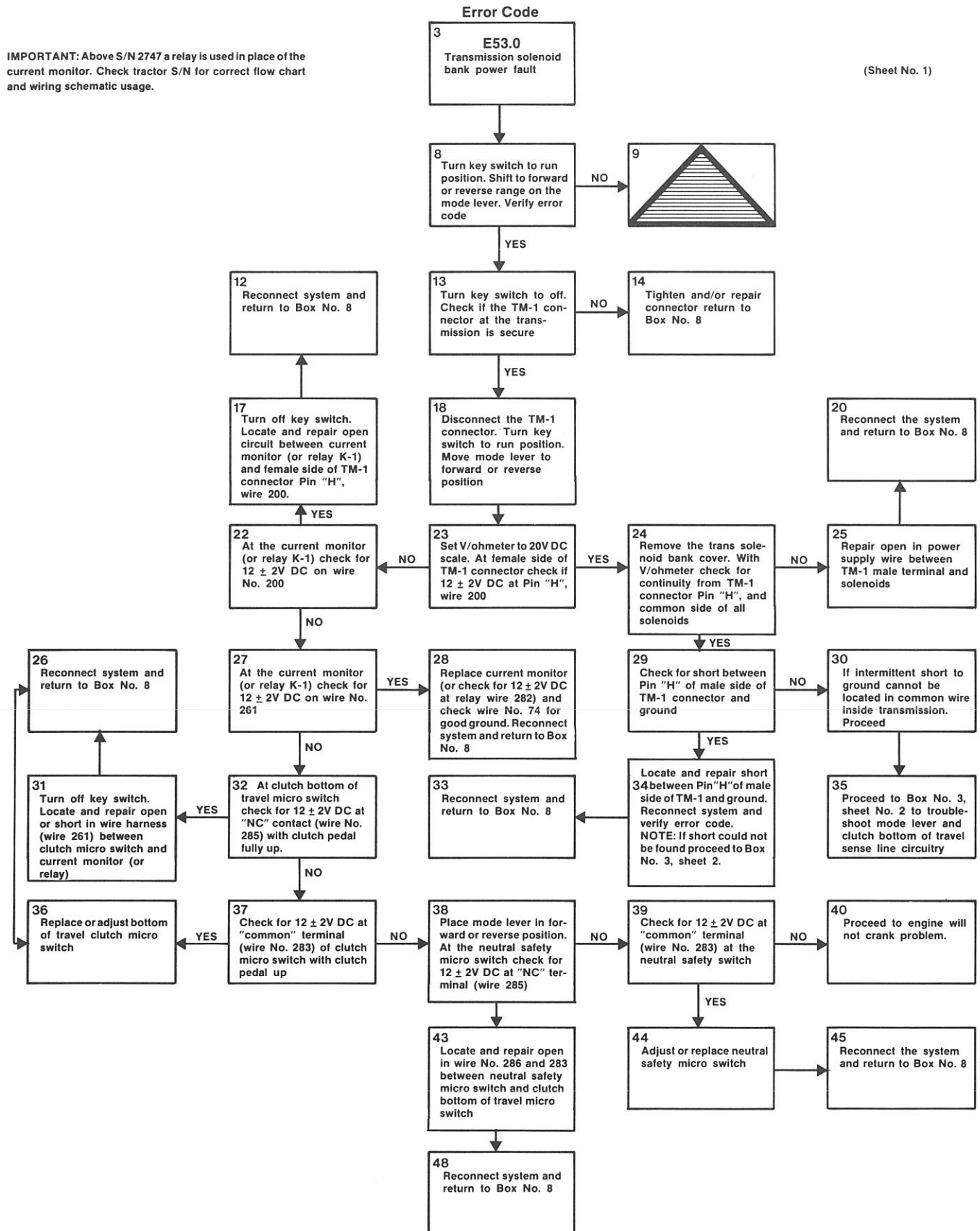
# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide

**IMPORTANT:** Above S/N 2747 a relay is used in place of the current monitor. Check tractor S/N for correct flow chart and wiring schematic usage.

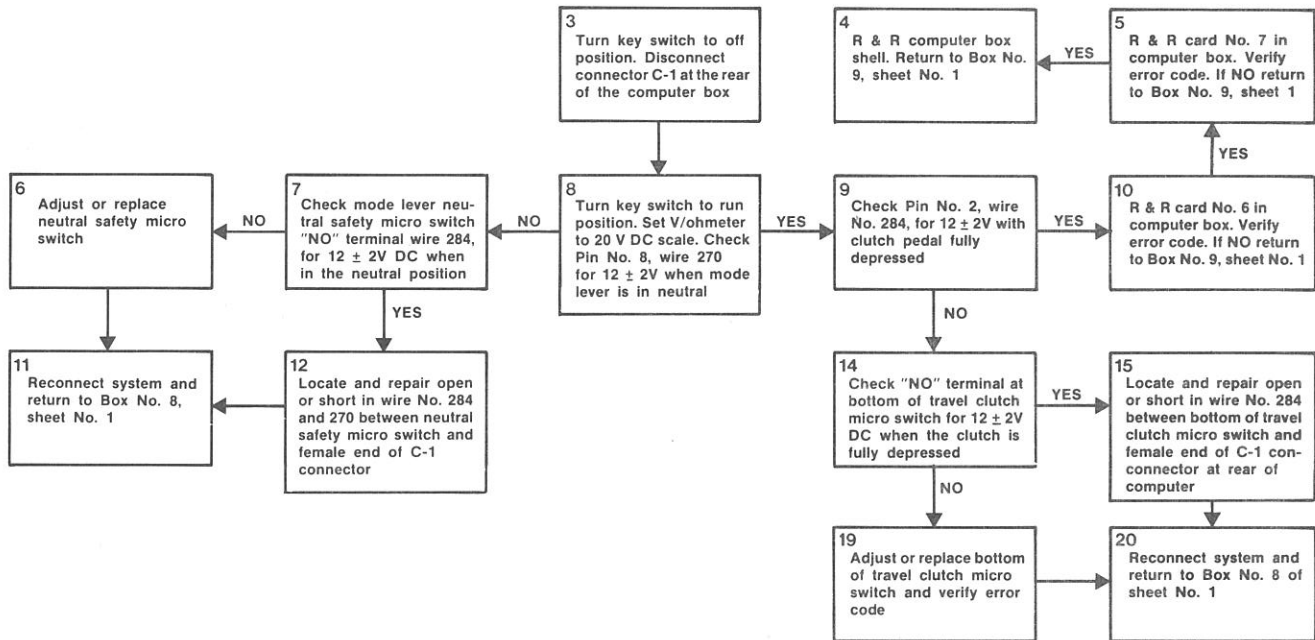
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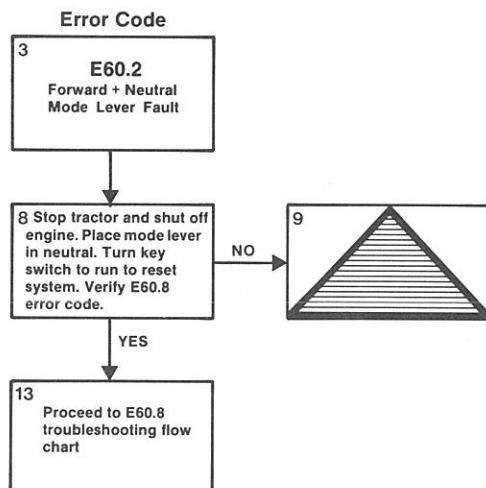
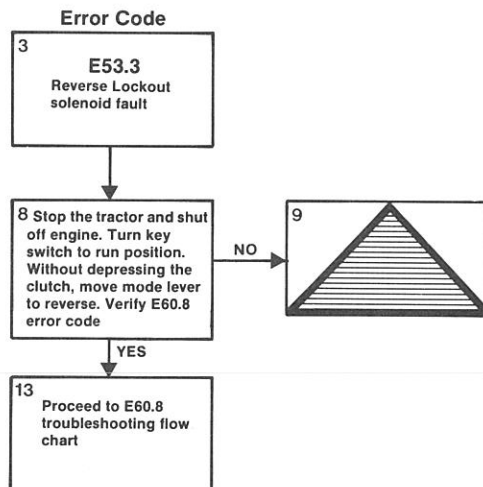
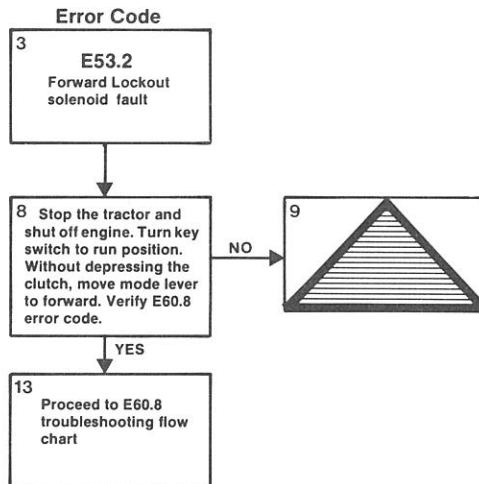
# Panther 1000 Troubleshooting Guide

**IMPORTANT:** Above S/N 2747 a relay is used in place of the current monitor. Check tractor S/N for correct flow chart and wiring schematic usage.

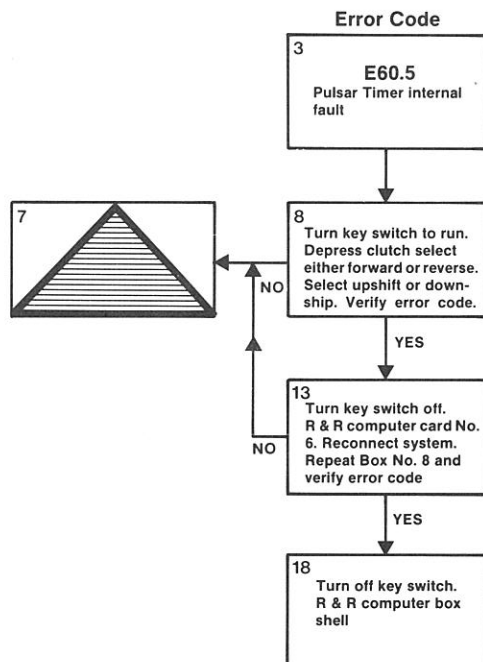
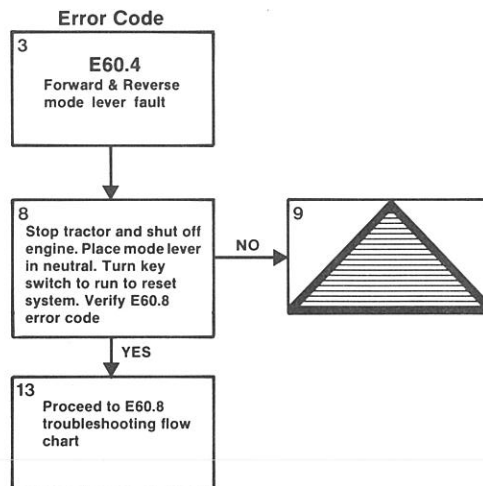
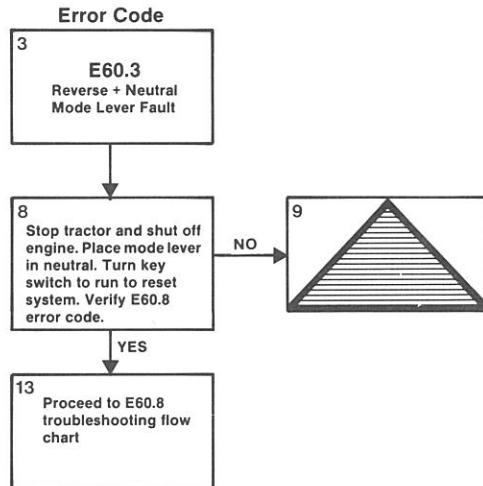
(Sheet No. 2)



# Panther 1000 Troubleshooting Guide

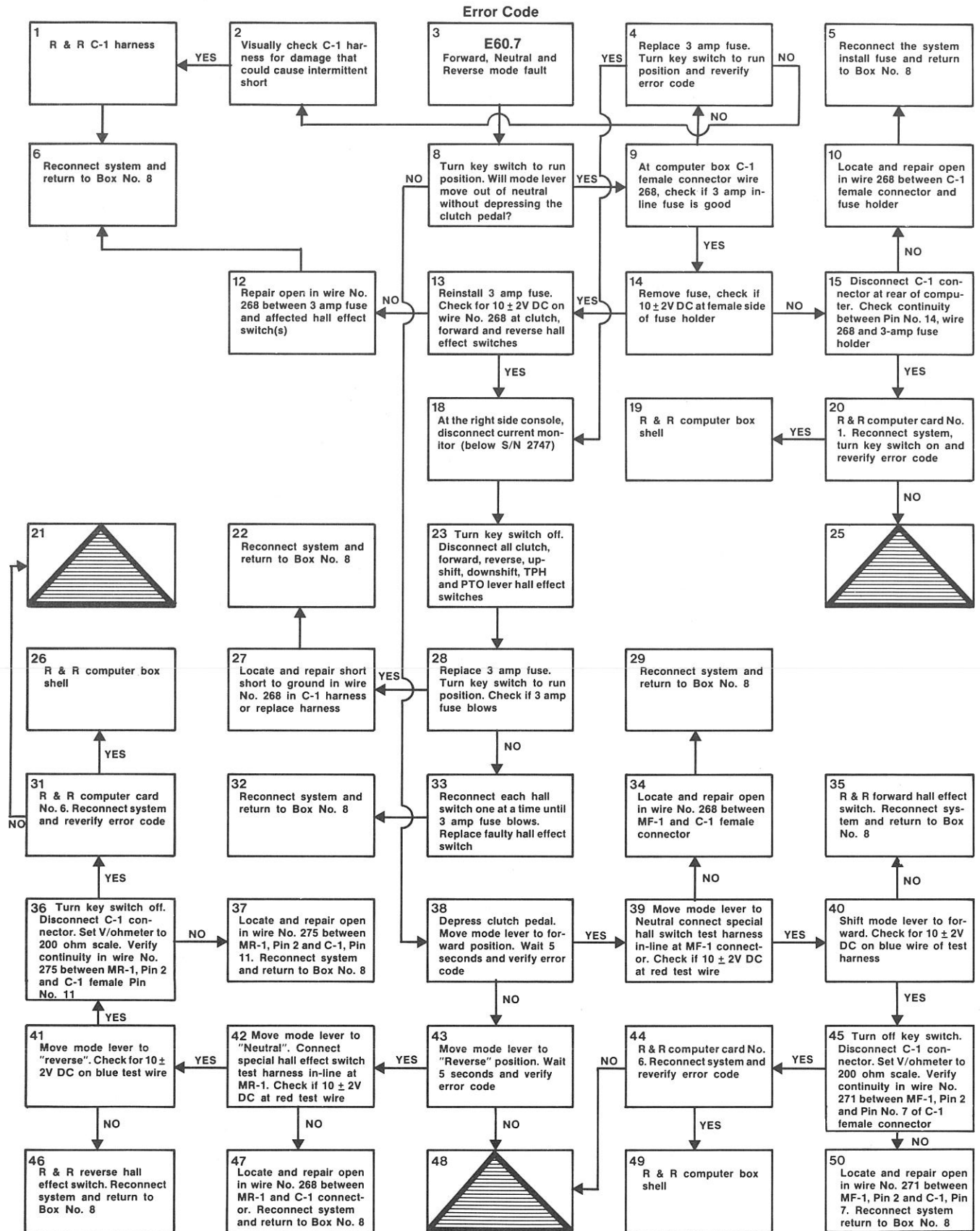


# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide

**NOTE:** When performing the following troubleshooting checks, and an error code appears, be sure the mode lever is in the full neutral detent position.

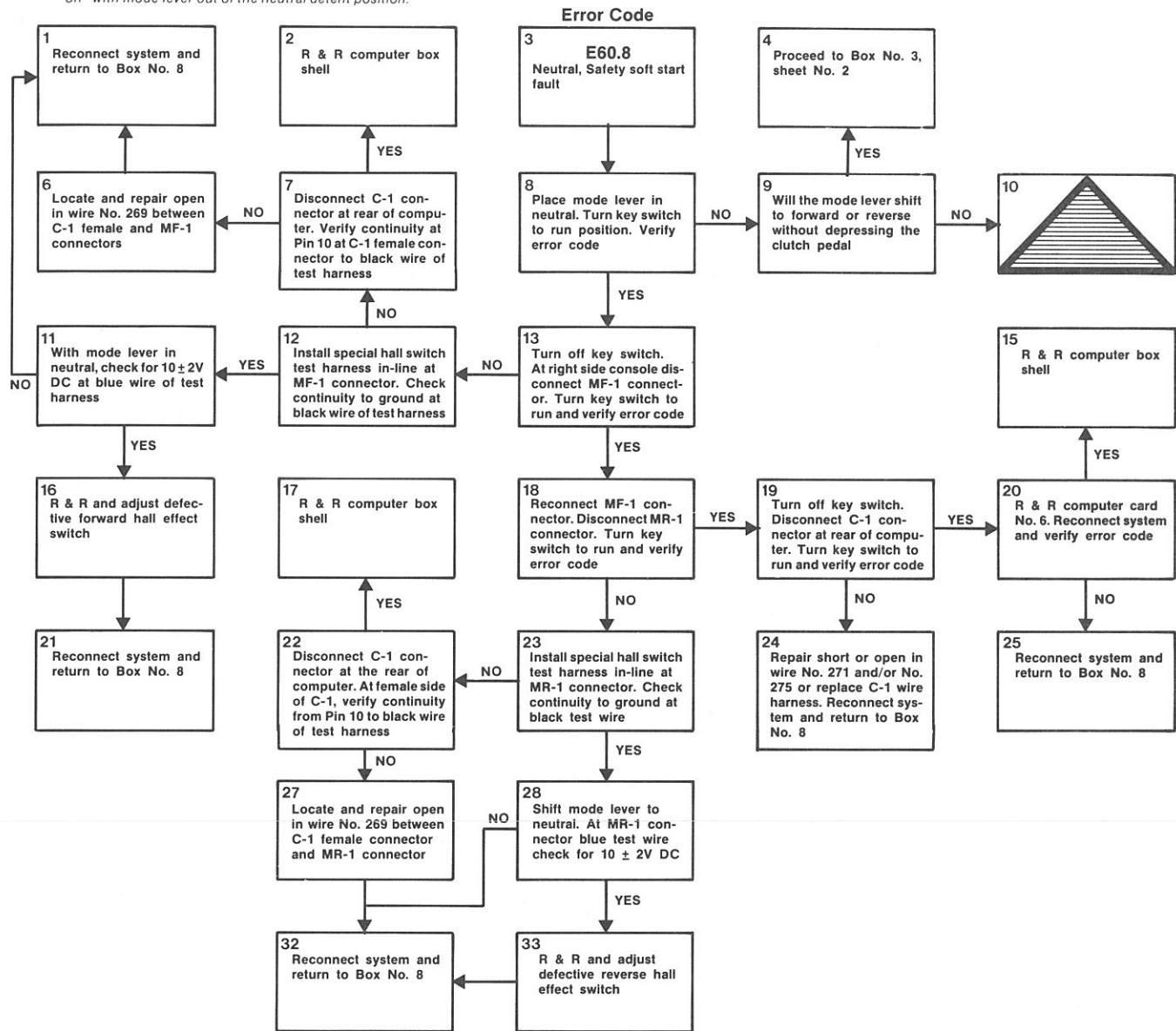




# Panther 1000 Troubleshooting Guide

NOTE: This error code will appear if key switch is turned "on" with mode lever out of the neutral detent position.

Sheet No. 1

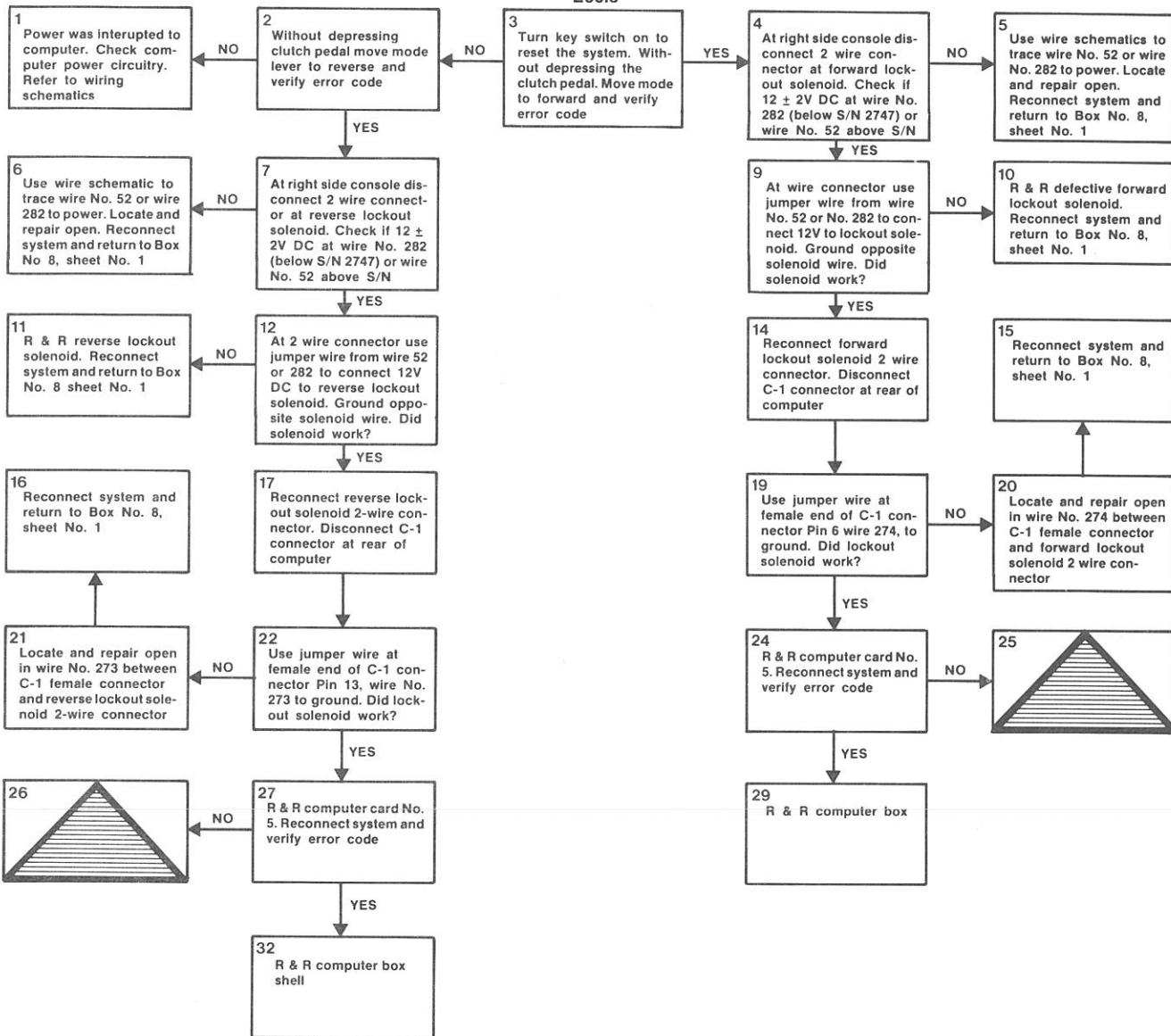


# Panther 1000 Troubleshooting Guide

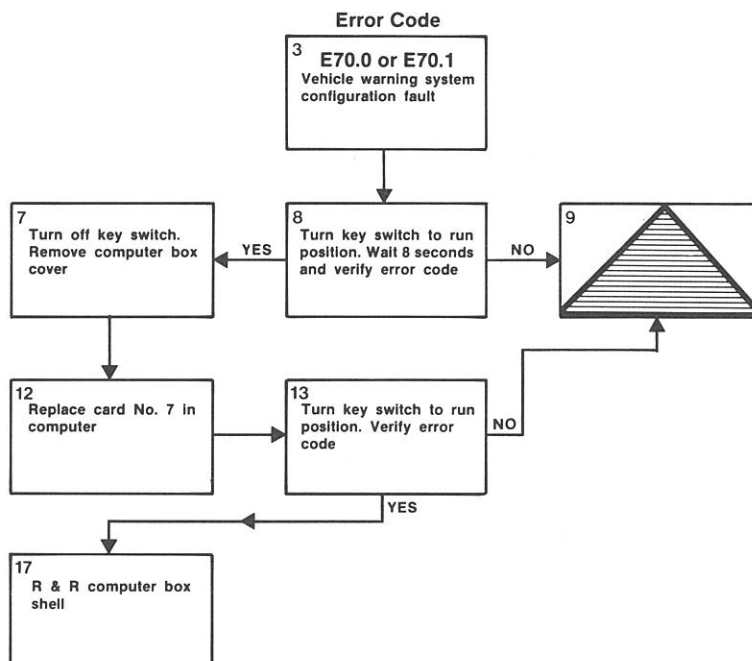
**NOTE:** This error code will appear if key switch is turned "on" with mode lever out of the neutral detent position.

**E60.8**

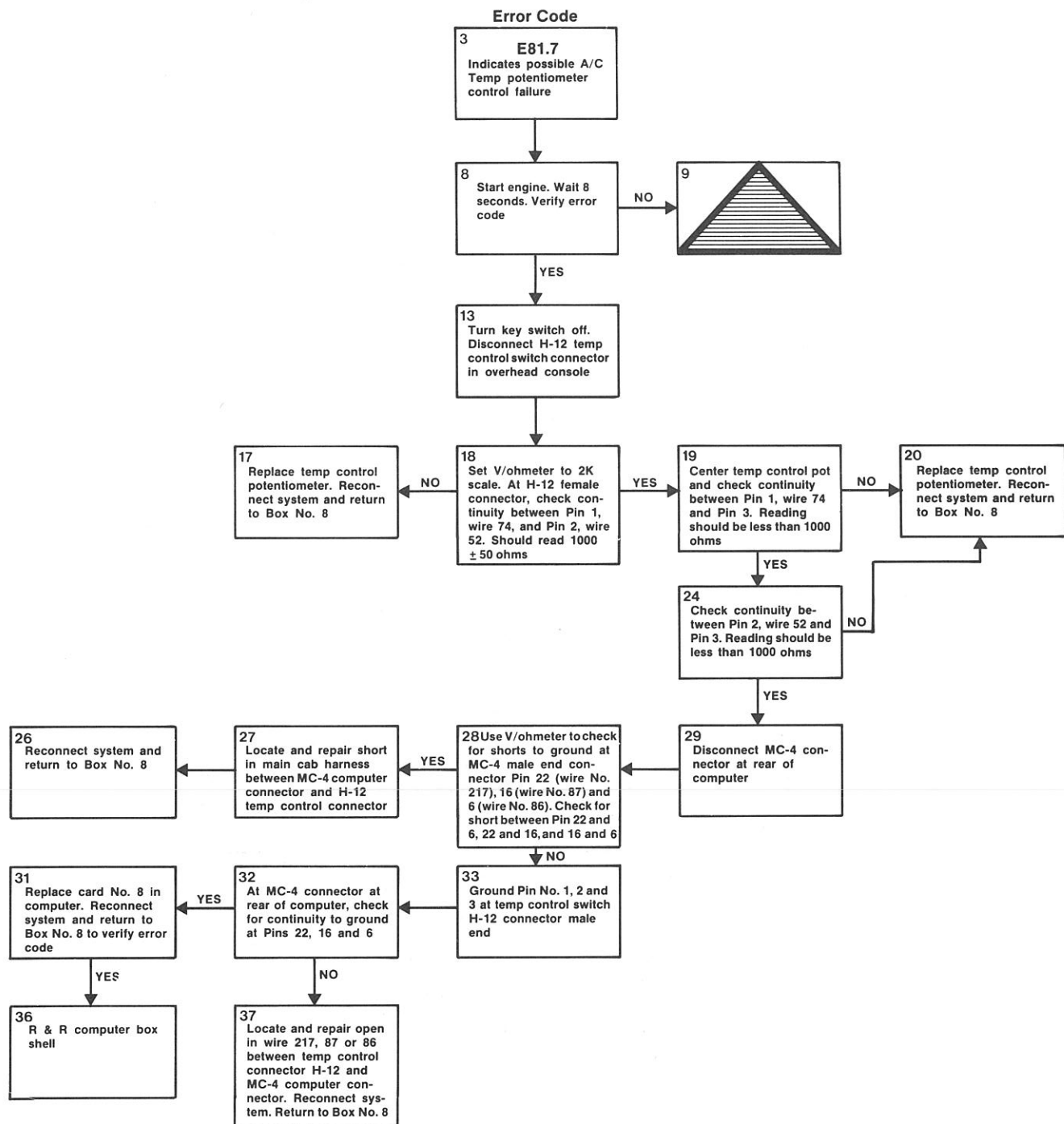
Sheet No. 2



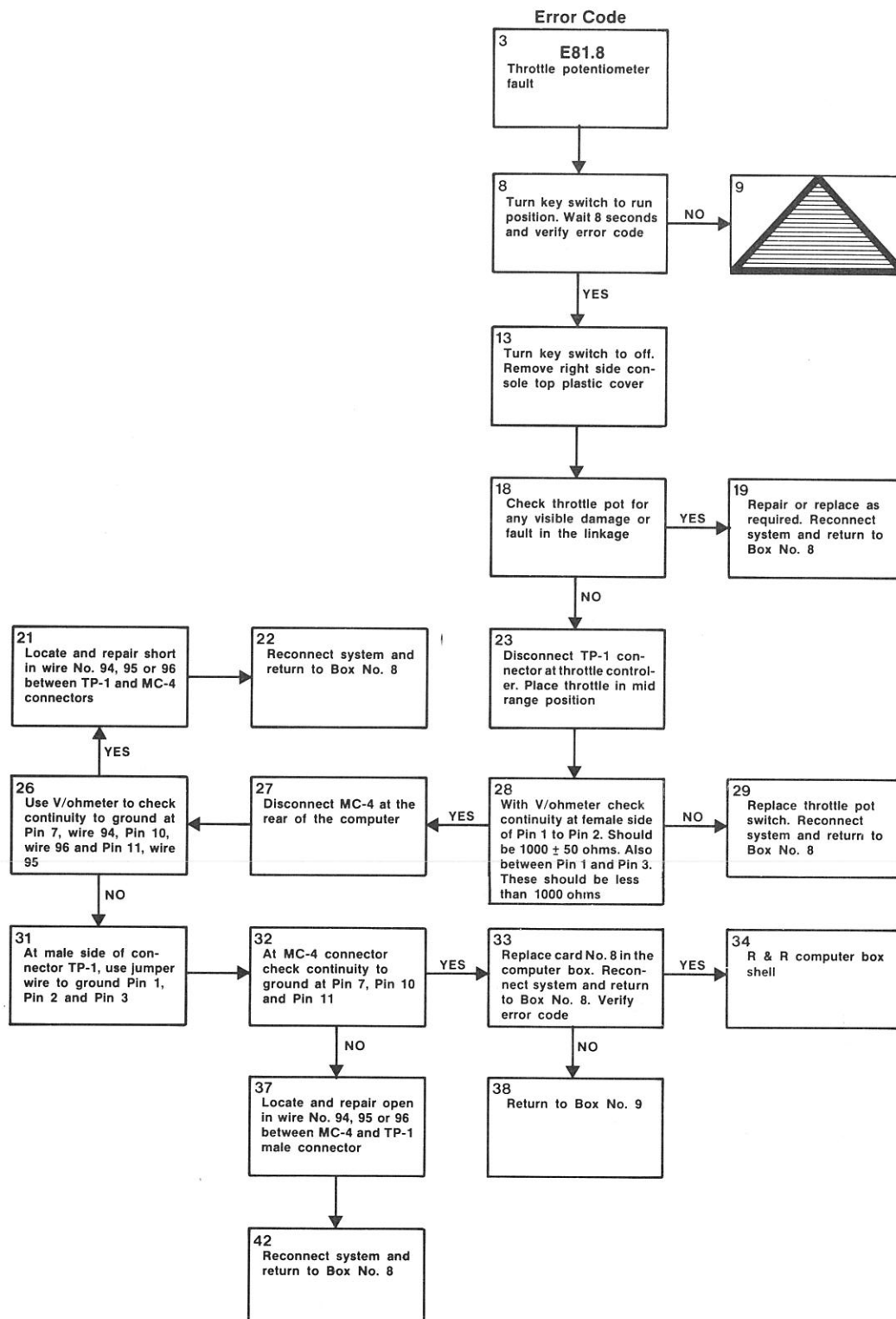
# Panther 1000 Troubleshooting Guide



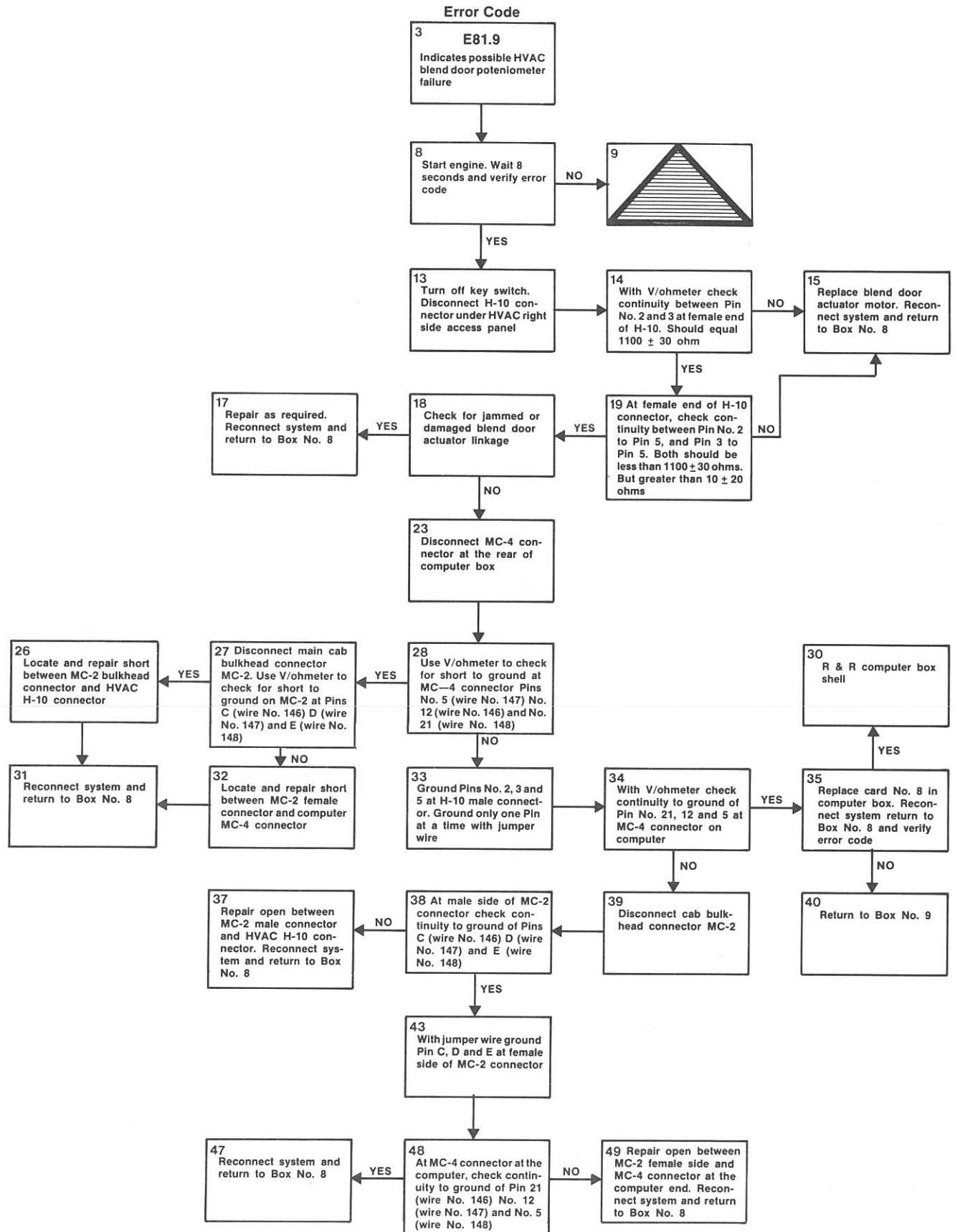
# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide



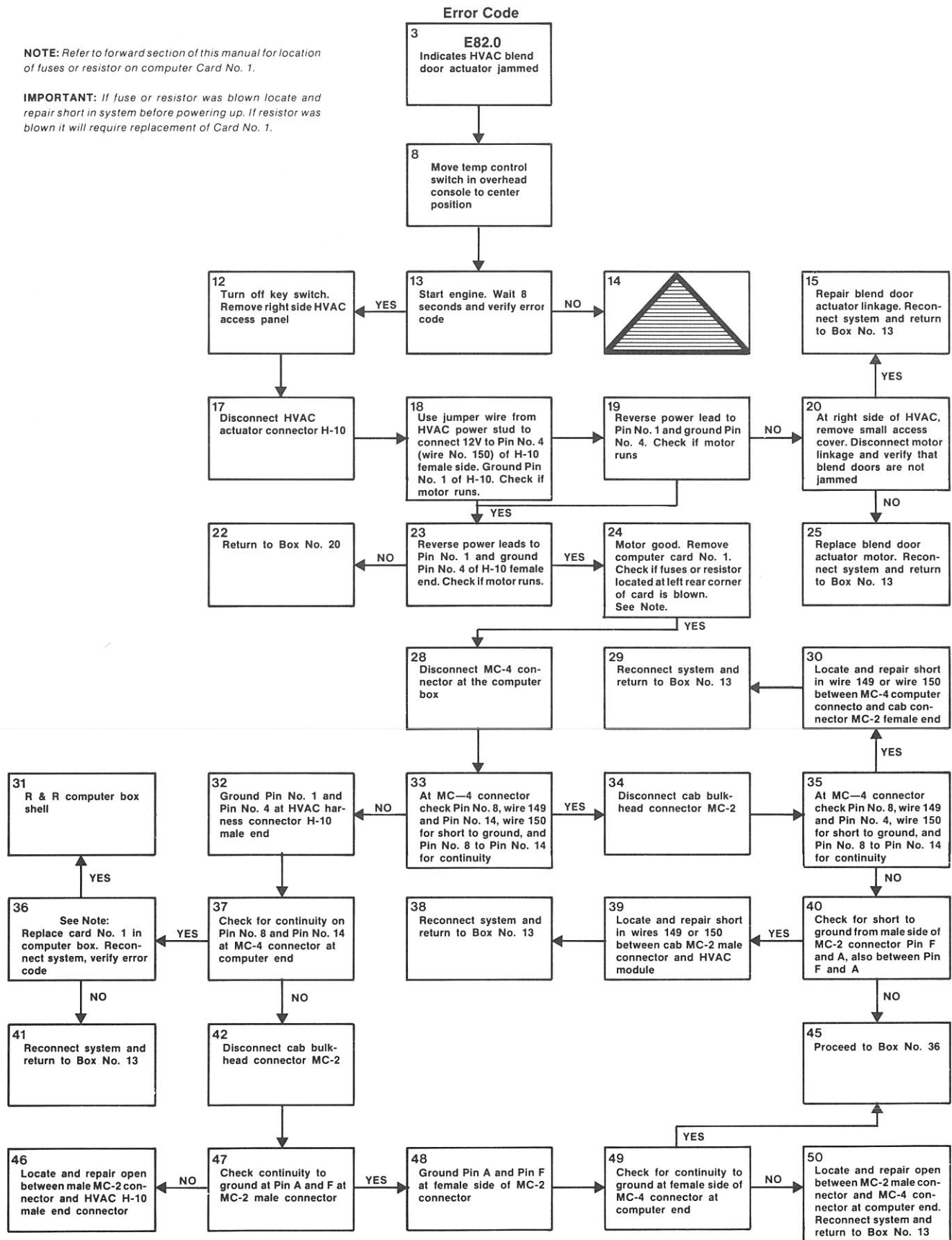
# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide

**NOTE:** Refer to forward section of this manual for location of fuses or resistor on computer Card No. 1.

**IMPORTANT:** If fuse or resistor was blown locate and repair short in system before powering up. If resistor was blown it will require replacement of Card No. 1.



**15**

Repair blend door actuator linkage. Reconnect system and return to Box No. 13

↓

**20**

At right side of HVAC, remove small access cover. Disconnect motor linkage and verify that blend doors are not jammed

↓

**25**

Replace blend door actuator motor. Reconnect system and return to Box No. 13

↓

**30**

Locate and repair short in wire 149 or wire 150 between MC-4 computer connector and cab connector MC-2 female end

↓

**35**

At MC-4 connector check Pin No. 8, wire 149 and Pin No. 4, wire 150 for short to ground, and Pin No. 8 to Pin No. 14 for continuity

↓

**40**

Check for short to ground from male side of MC-2 connector Pin F and A, also between Pin F and A

↓

**45**

Proceed to Box No. 36

↓

**46**

Locate and repair open between male MC-2 connector and HVAC H-10 male end connector

**31**

R & R computer box shell

↓

**36**

See Note: Replace card No. 1 in computer box. Reconnect system, verify error code

↓

**41**

Reconnect system and return to Box No. 13

**32**

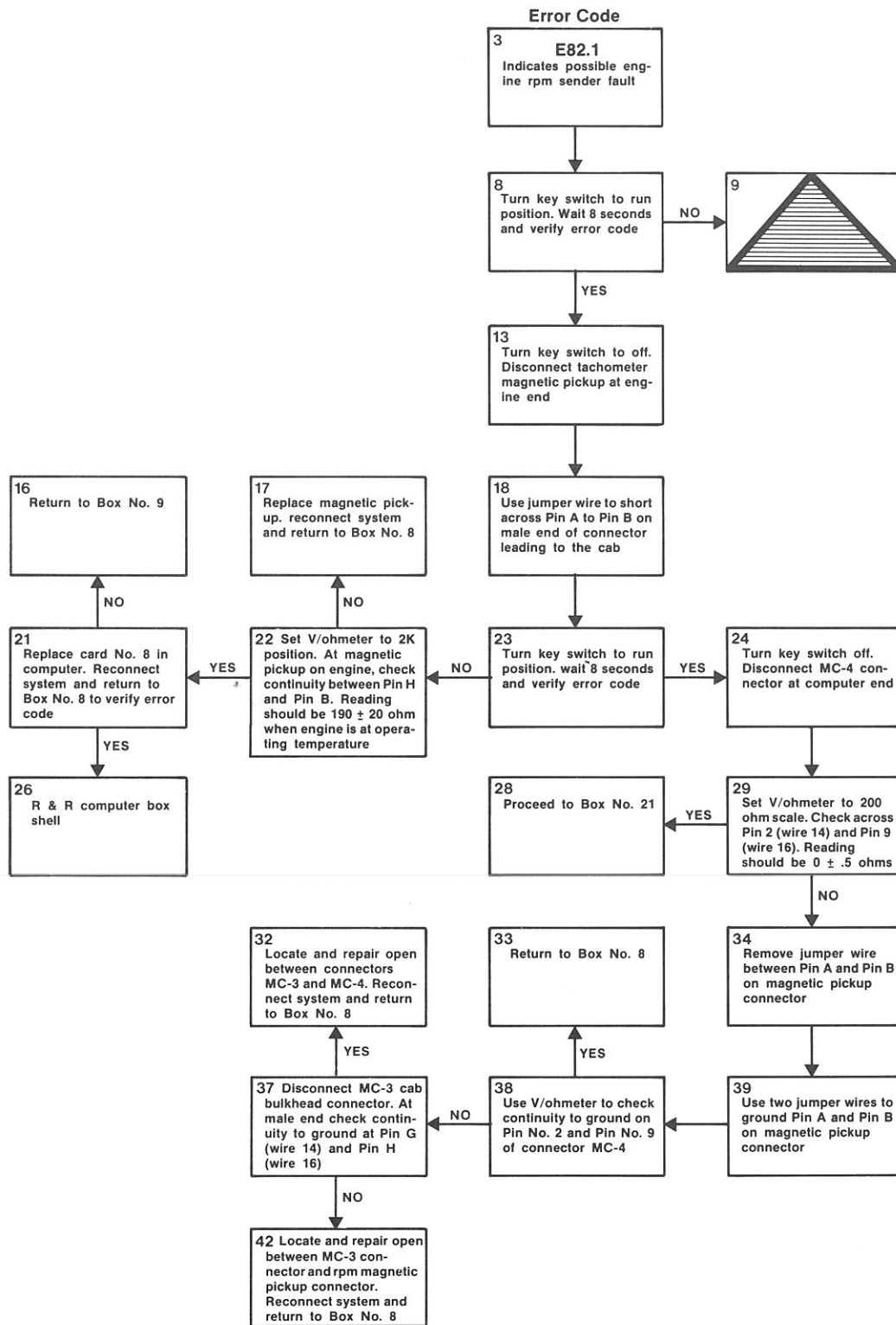
Ground Pin No. 1 and Pin No. 4 at HVAC harness connector H-10 male end

↓

**38**

Reconnect system and return to Box No. 13

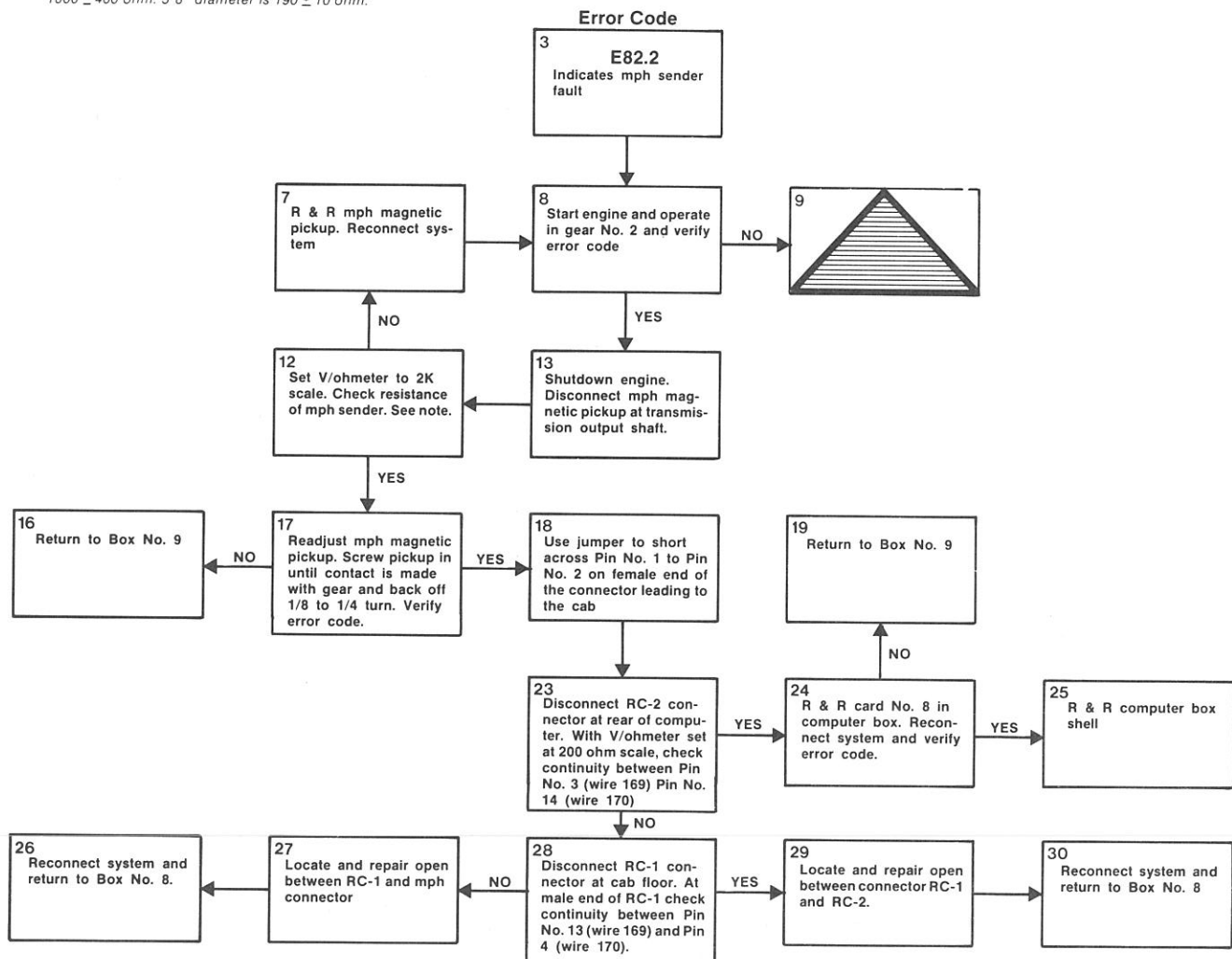
# Panther 1000 Troubleshooting Guide



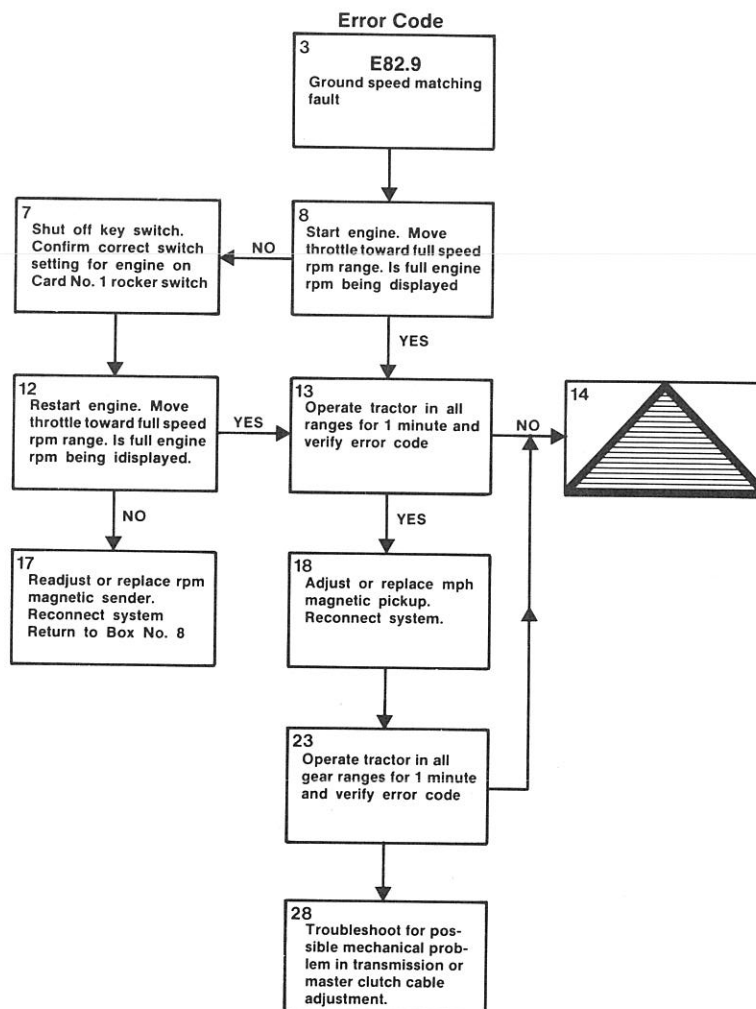
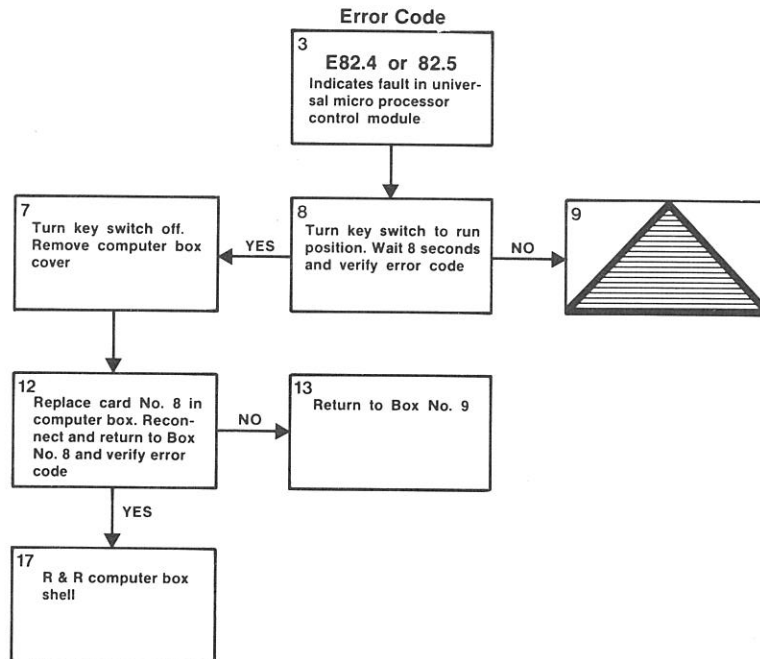


# Panther 1000 Troubleshooting Guide

**NOTE:** Two different types of mph senders are used. Early models have 3/4" thread diameter. Later models have 5/8" thread diameter. Ohm values will differ. 3/4" diameter is 1000  $\pm$  400 ohm. 5/8" diameter is 190  $\pm$  10 ohm.



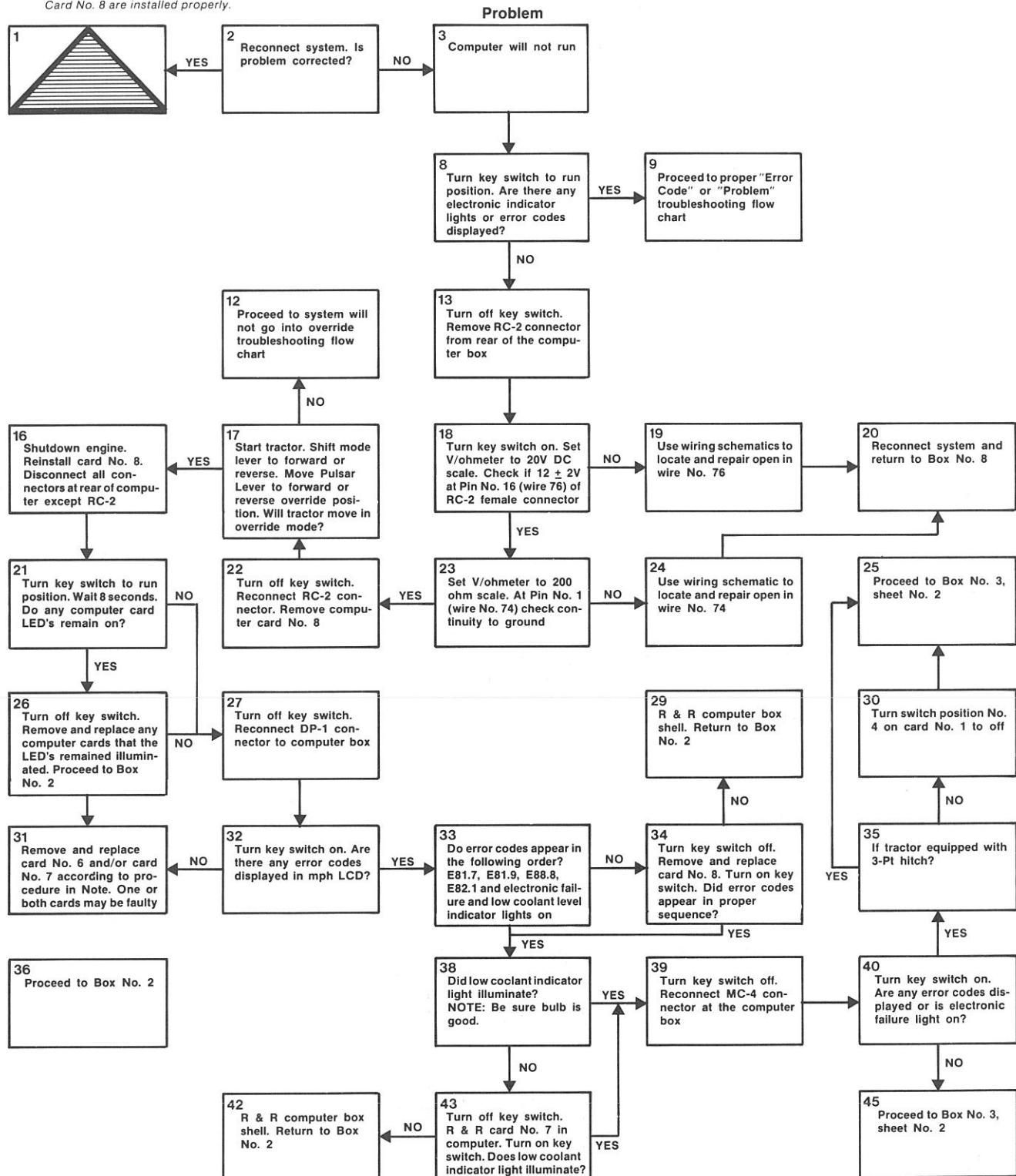
# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide

**IMPORTANT NOTE:** If this problem should occur it is extremely important to first check all connectors at rear of computer box and check all cards in computer for proper mating to motherboard. Also, that the 2 chips on Card No. 8 are installed properly.

Sheet No. 1

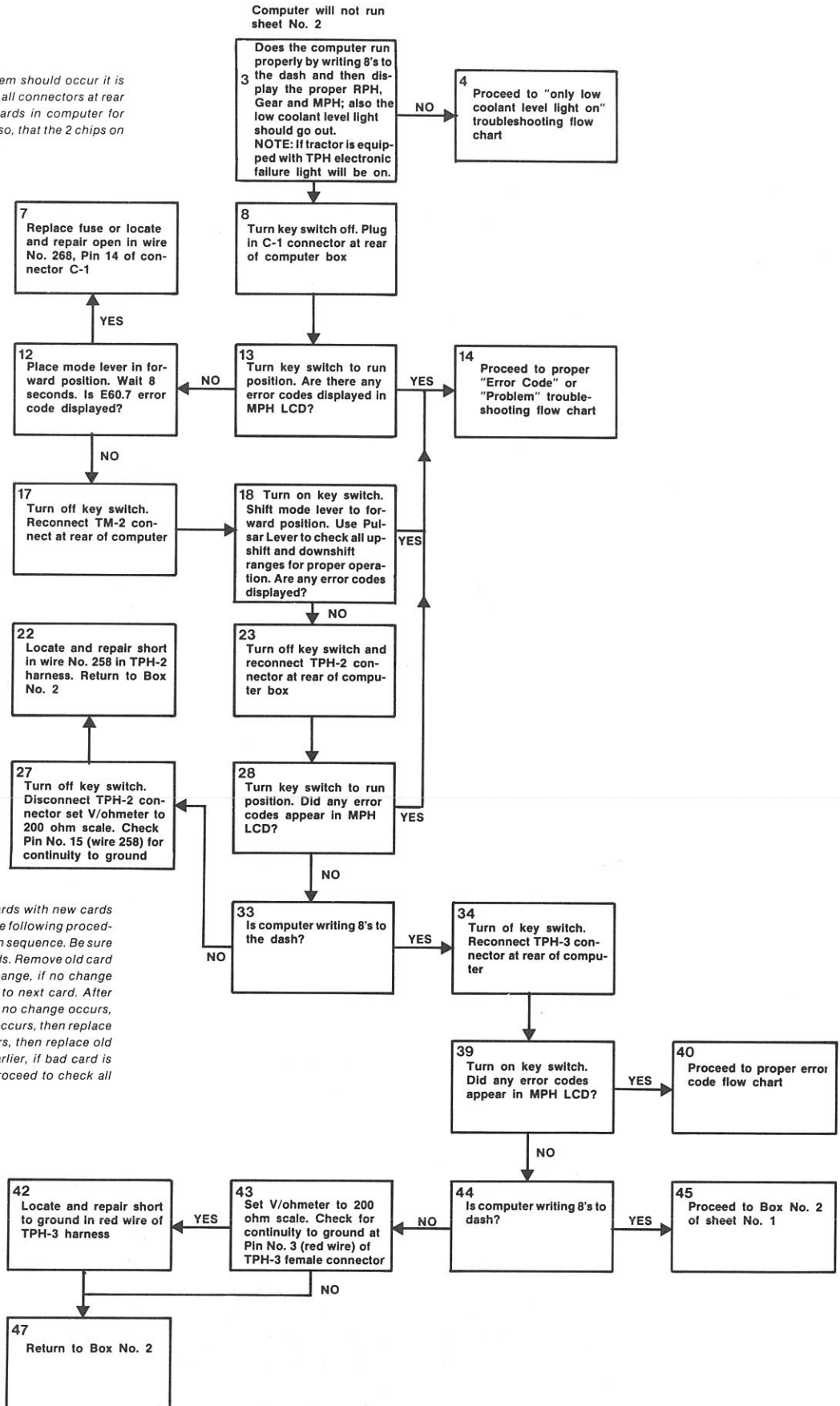


**NOTE:** When instructed to rotate cards with new cards to determine if cards are good use the following procedure: Start at top of box and go down in sequence. Be sure key switch is off when changing cards. Remove old card and replace with new card. Note change, if no change occurs reinstall old card and move to next card. After

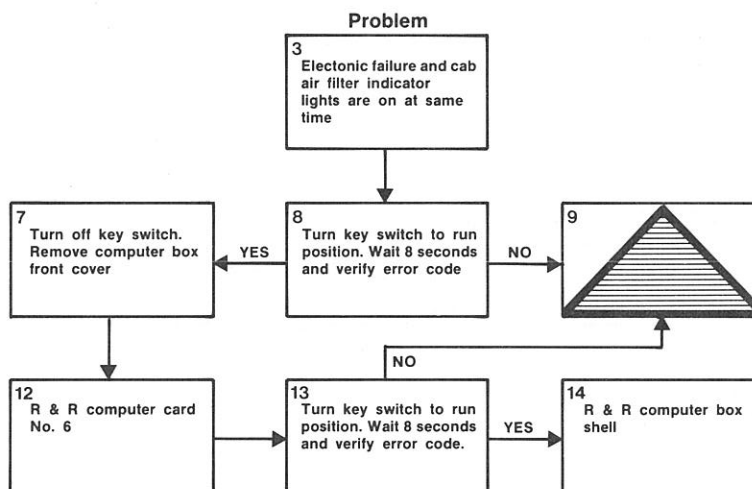
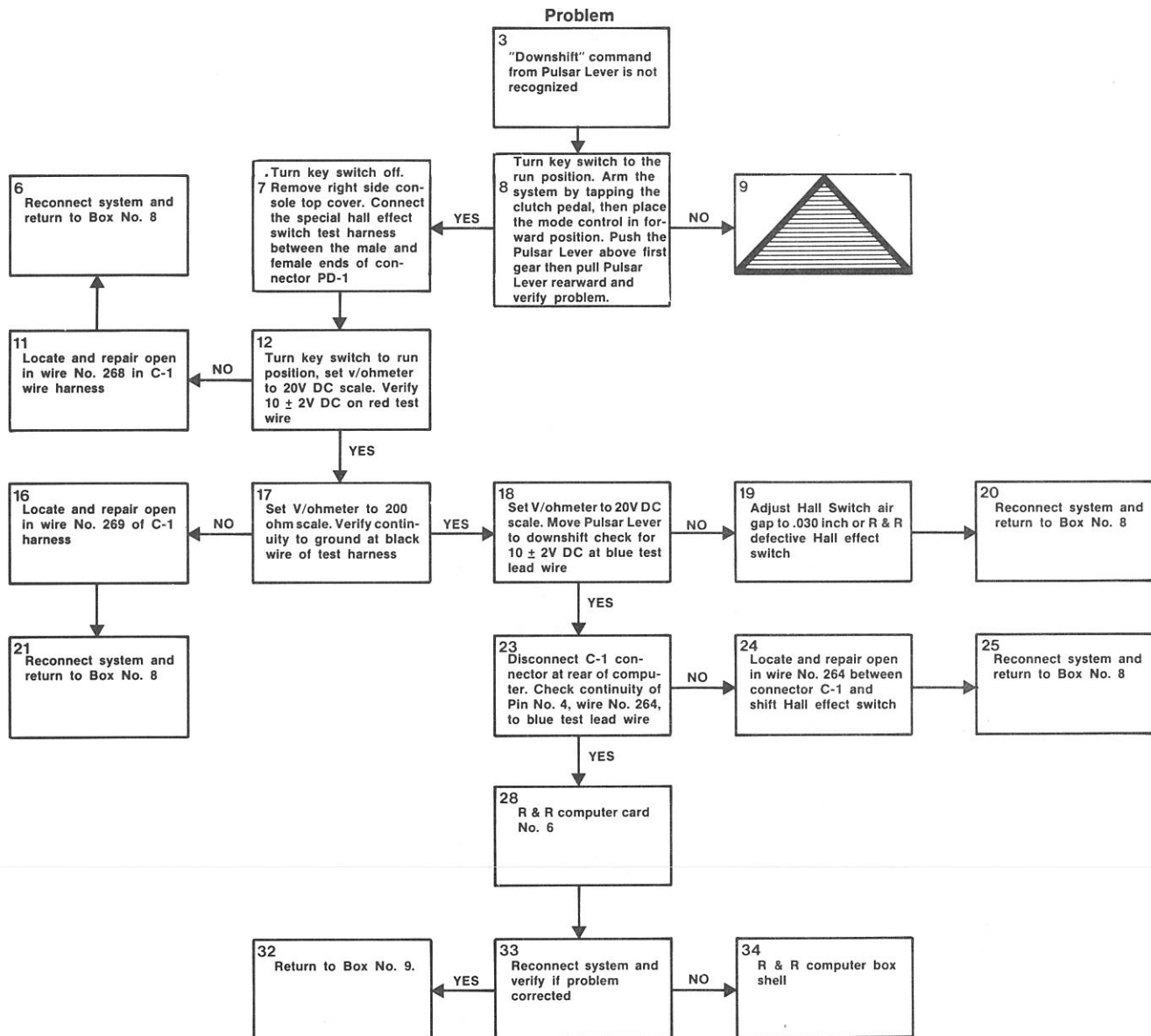
changing all cards in sequence and no change occurs, reinstall all new cards. If no change occurs, then replace computer box shell. If change occurs, then replace old cards in same manner described earlier, if bad card is found then replace with new and proceed to check all remaining cards in same manner.

# Panther 1000 Troubleshooting Guide

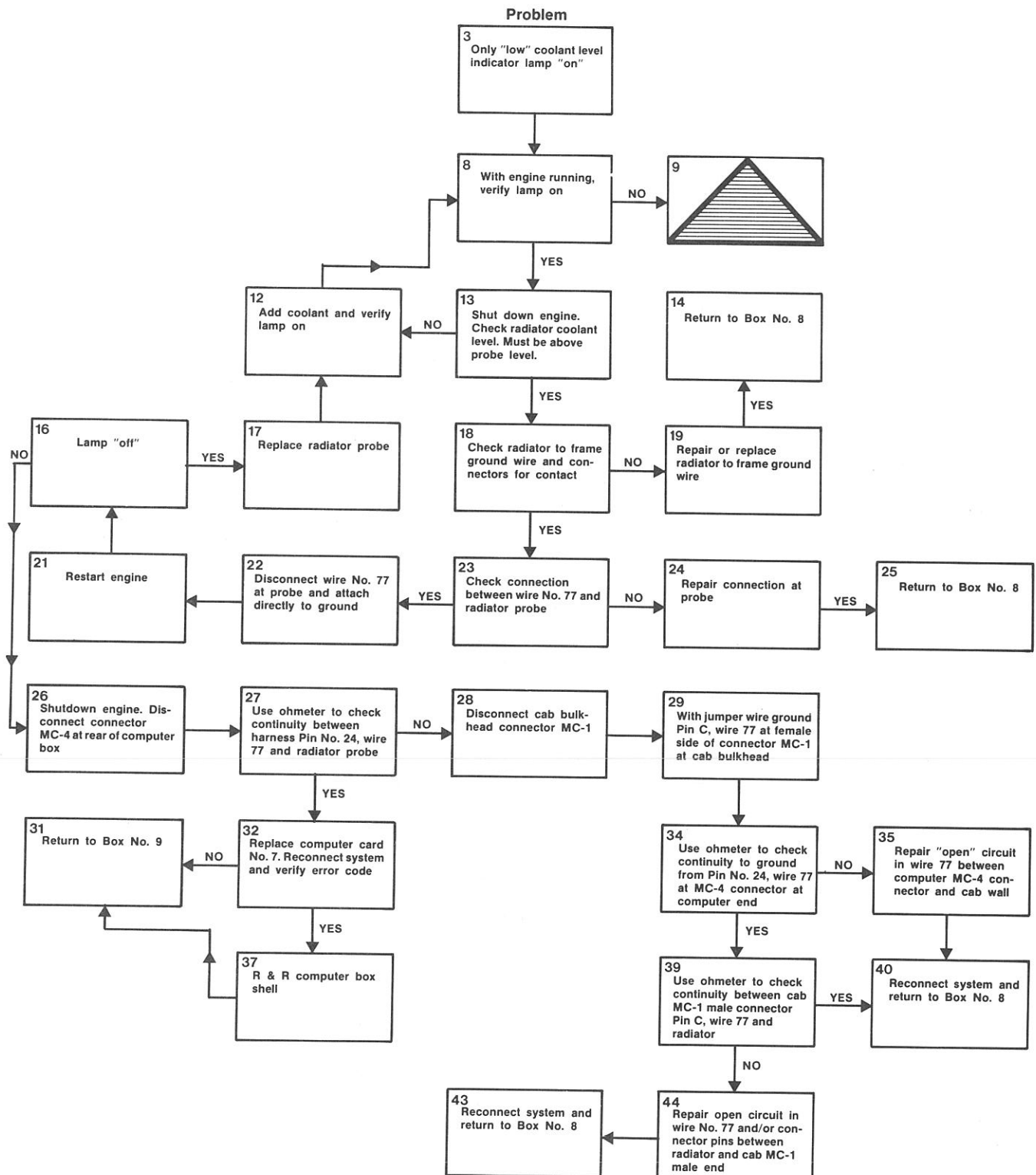
**IMPORTANT NOTE:** If this problem should occur it is extremely important to first check all connectors at rear of computer box and check all cards in computer for proper mating to motherboard. Also, that the 2 chips on Card No. 8 are installed properly.



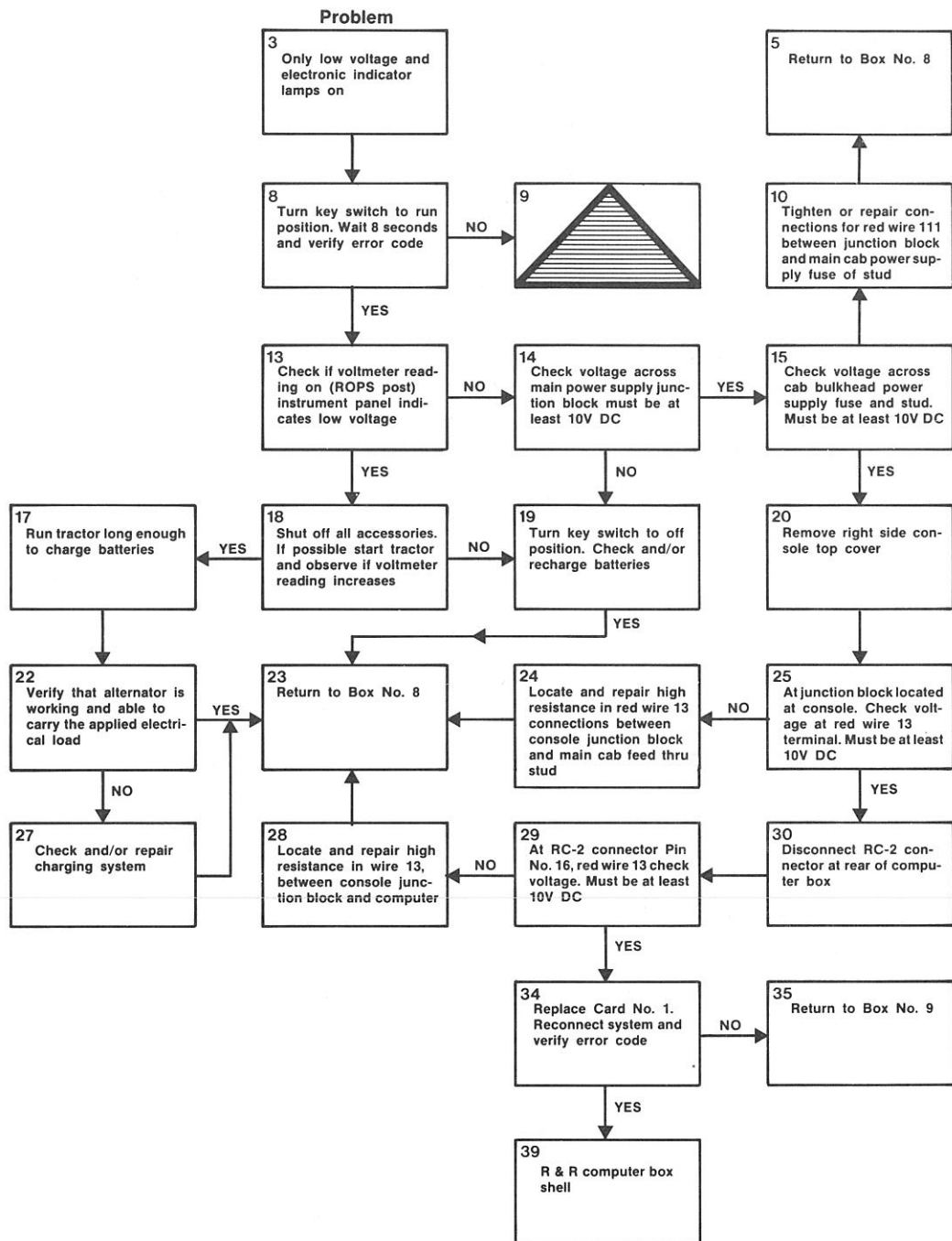
# Panther 1000 Troubleshooting Guide



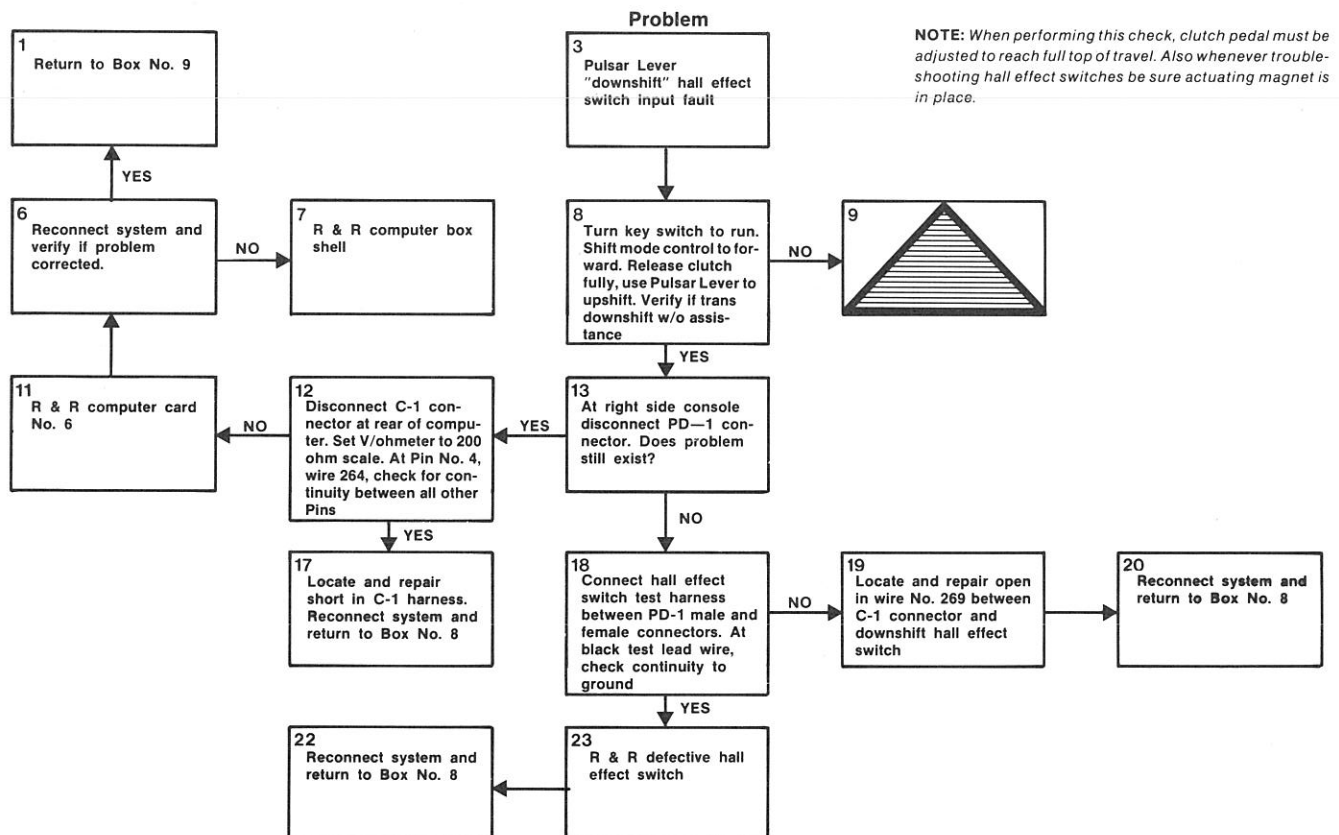
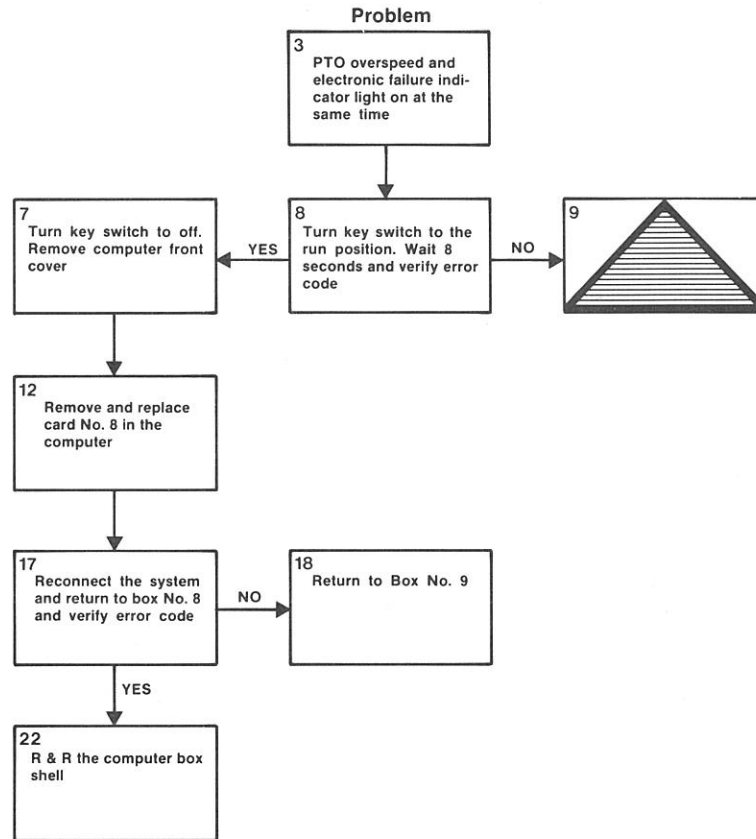
# Panther 1000 Troubleshooting Guide



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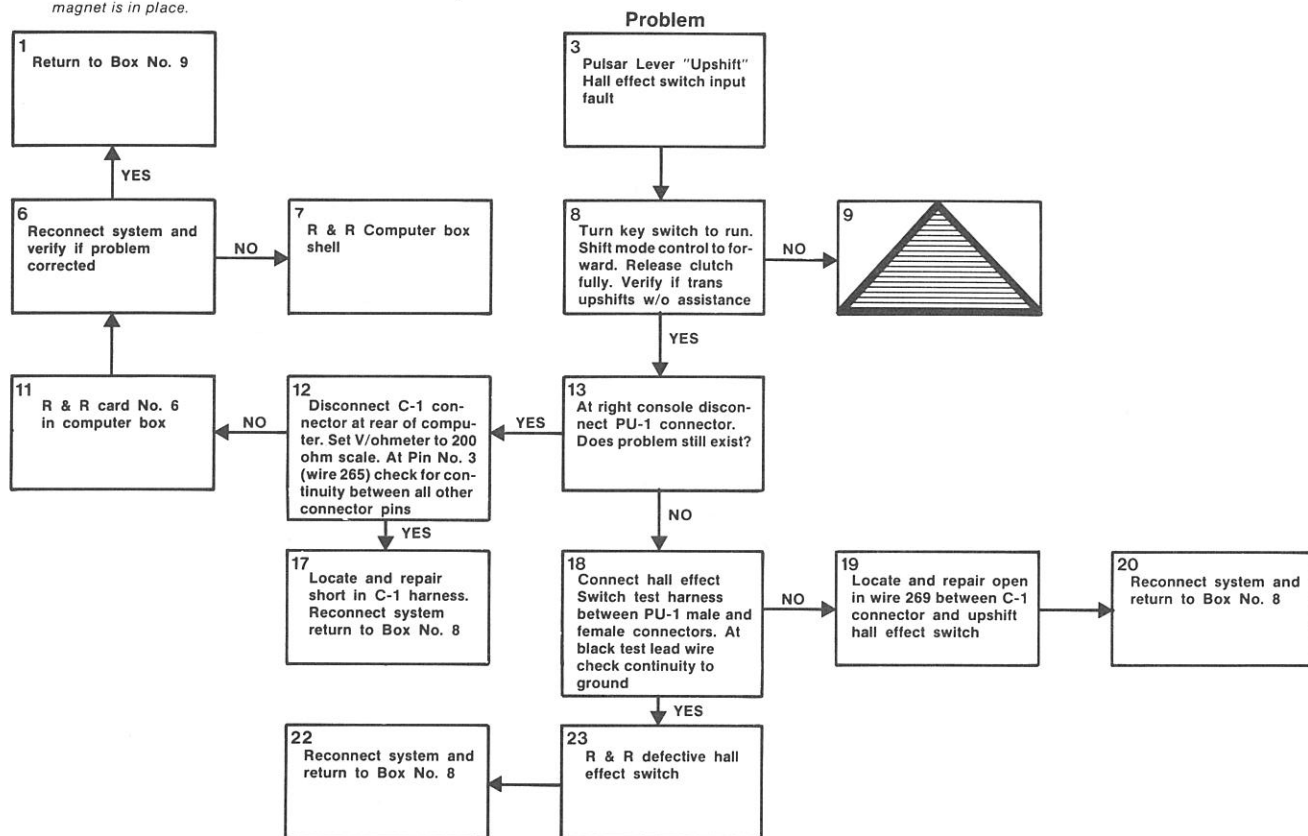
# Panther 1000 Troubleshooting Guide



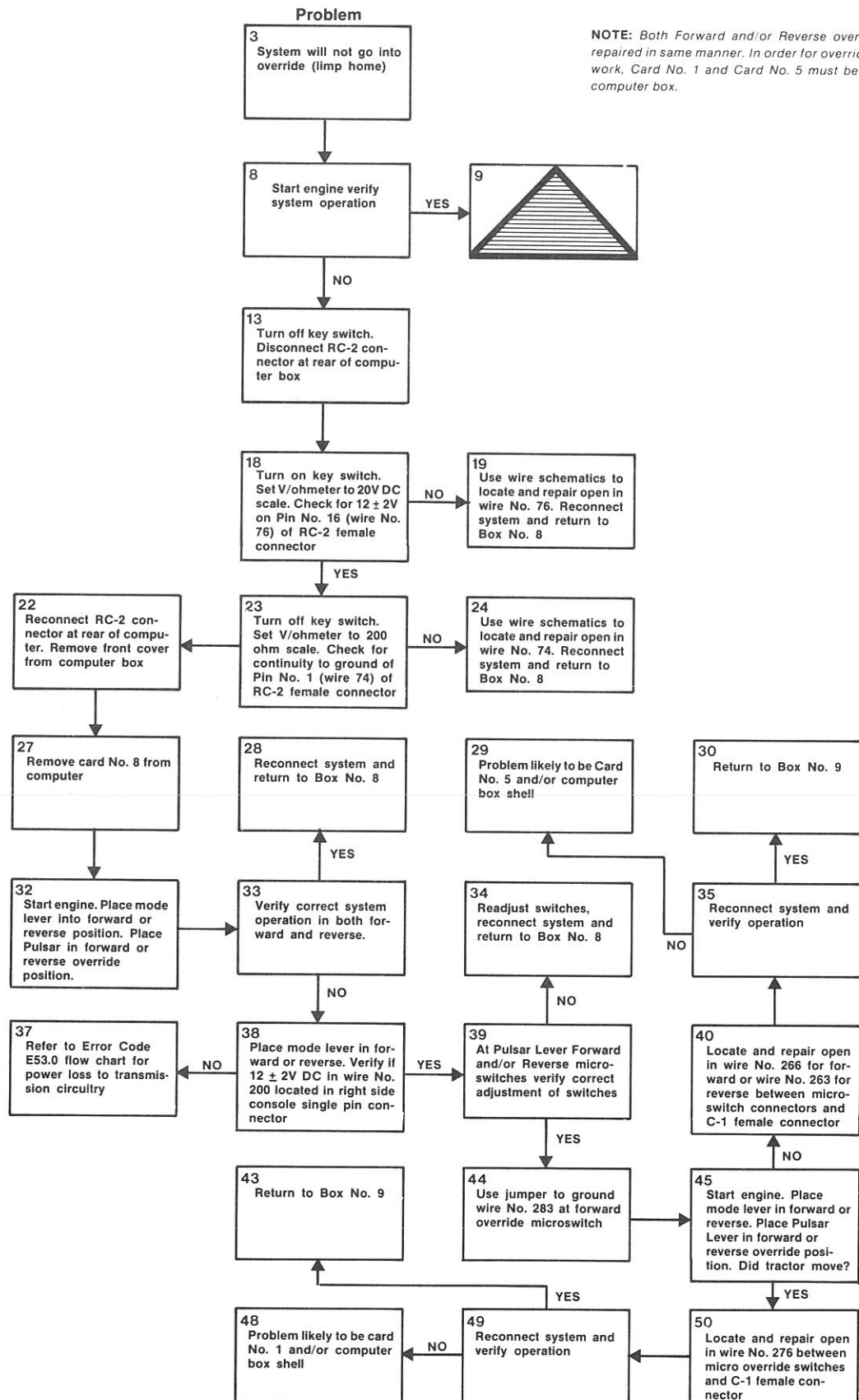


# Panther 1000 Troubleshooting Guide

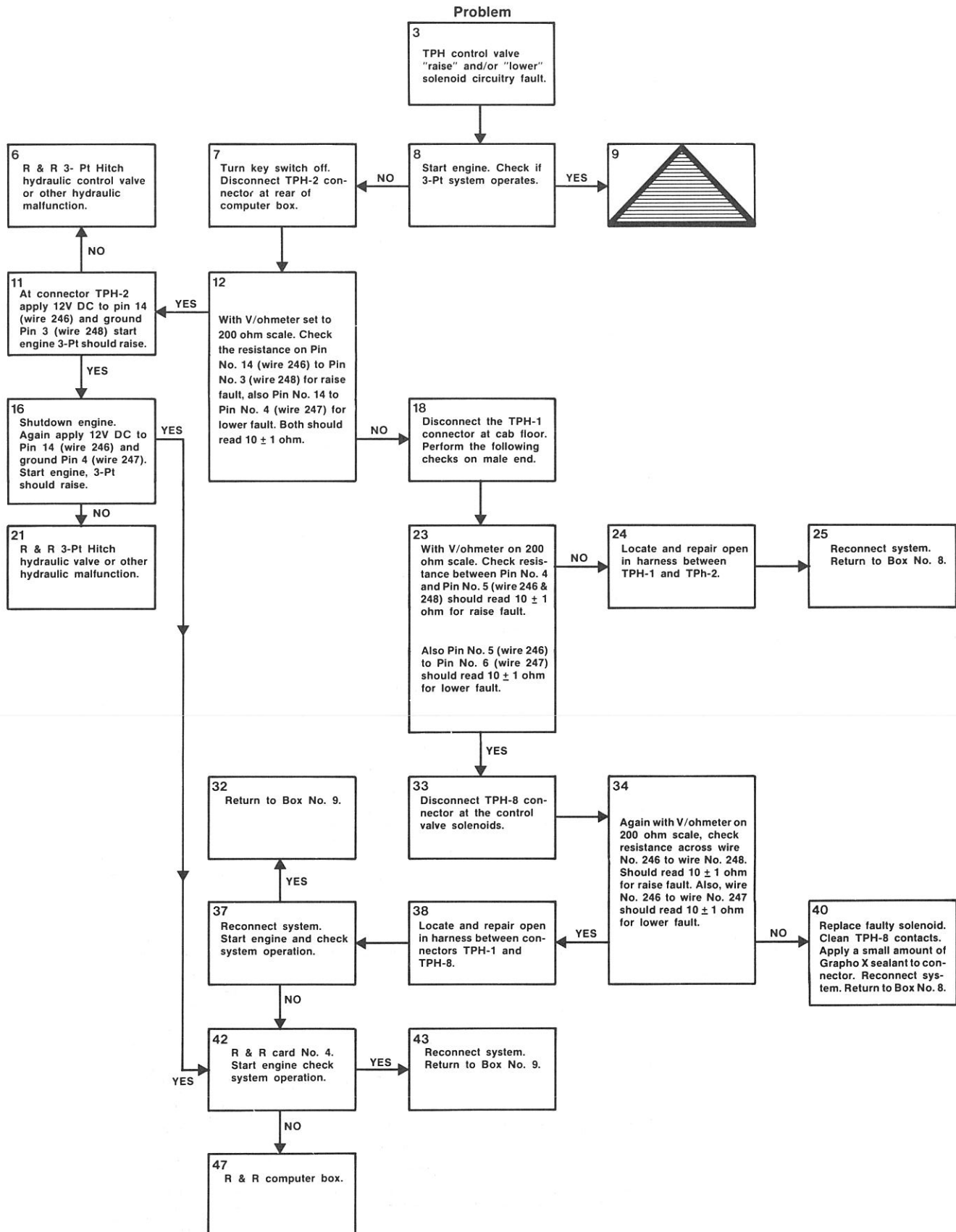
**NOTE:** When performing this check, clutch pedal must be adjusted to reach full top of travel. Also, whenever troubleshooting hall effect switches be sure actuating magnet is in place.



# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide



# Panther 1000 Troubleshooting Guide

