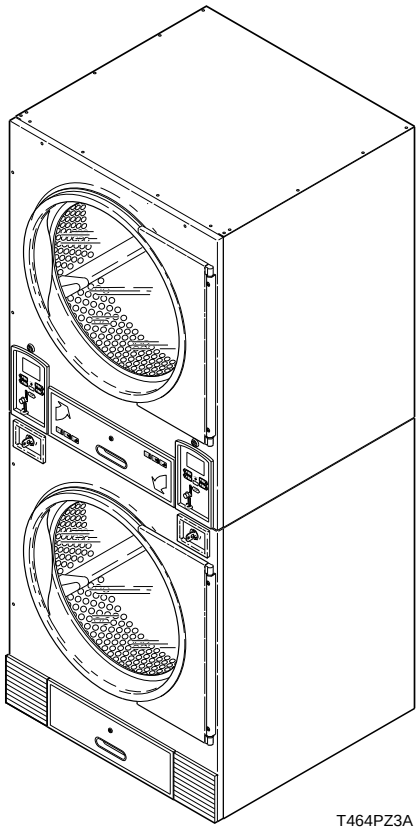
Tumble Dryers

30 Pound Stack

Through Serial No. 0602004143

Refer to Page 5 for Model Numbers



T464PZ3A

Troubleshooting

Alliance Laundry Systems

www.alliancelaundry.com

Part No. 70291301R3
December 2016

Table of Contents

Notes

Section 1
Safety Information

Throughout this manual and on machine decals, you will find precautionary statements (“CAUTION”, “WARNING”, and “DANGER”) followed by specific instructions. These precautions are intended for the personal safety of the operator, user, servicer, and those maintaining the machine.

DANGER

Danger indicates an imminently hazardous situation that, if not avoided, will cause severe personal injury or death.

WARNING

Warning indicates a hazardous situation that, if not avoided, could cause severe personal injury or death.

CAUTION

Caution indicates a hazardous situation that, if not avoided, may cause minor or moderate personal injury or property damage.

Additional precautionary statements (“IMPORTANT” and “NOTE”) are followed by specific instructions.

IMPORTANT: The word “IMPORTANT” is used to inform the reader of specific procedures where minor machine damage will occur if the procedure is not followed.

NOTE: The word “NOTE” is used to communicate installation, operation, maintenance or servicing information that is important but not hazard related.

In the interest of safety, some general precautions relating to the operation of this machine follow.

WARNING

- **Failure to install, maintain and/or operate this product according to the manufacturer’s instructions may result in conditions which can produce serious injury, death and/or property damage.**
- **Do not repair or replace any part of the product or attempt any servicing unless specifically recommended or published in this Service Manual and unless you understand and have the skills to carry out the servicing.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the product is properly grounded and to reduce the risk of fire, electric shock, serious injury or death.**

W006R2

IMPORTANT INFORMATION: During the lifetime of a tumble dryer, it may require service. The information contained in this manual was written and is intended for use by qualified service technicians who are familiar with the safety procedures required in the repair of a tumble dryer, and who are equipped with the proper tools and testing equipment.

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the tumbler before servicing.**
- **Never start the tumbler with any guards/ panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the tumbler is properly grounded.**

W240

WARNING

Repairs that are made to your products by unqualified persons can result in hazards due to improper assembly or adjustments subjecting you or the inexperienced person making such repairs to the risk of serious injury, electrical shock or death.

W007

CAUTION

If you or an unqualified person perform service on your product, you must assume the responsibility for any personal injury or property damage which may result. The manufacturer will not be responsible for any injury or property damage arising from improper service and/or service procedures.

W008

NOTE: The WARNING and IMPORTANT instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and carefulness are factors which CANNOT be built into this tumble dryer. These factors MUST BE supplied by the person(s) installing, maintaining or operating the tumble dryer.

Always contact your dealer, distributor, service agent or the manufacturer on any problems or conditions you do not understand.

Locating An Authorized Service Person

Alliance Laundry Systems is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Alliance Laundry Systems also recommends contacting an authorized technician and using authorized factory parts.

Safety Warnings and Decals

SAFETY WARNINGS and decals have been provided in key locations to remind you of important precautions for the safe operation and maintenance of your tumble dryer. Please take the time to review these warnings before proceeding with service work.

All decals have been designed and applied to withstand washing and cleaning. Decals should be checked periodically to be sure they have not been damaged, removed, or painted.

Safety Precautions for Servicing Tumble Dryers

Prior to servicing tumble dryer:

- **Disconnect electrical service and “lockout” to prevent unintentional connection.**
- **Shut off supply gas valve.**
- **Allow machine to cool prior to servicing.**

After servicing tumble dryer:

- **Control/access panels must be reinstalled.**
- **Motor/drive/belt guards must be reinstalled.**
- **Contactor/junction/accessory box covers must be reinstalled.**
- **Use a non-corrosive leak detection solution to check all pipe connections for gas leaks. DO NOT USE AN OPEN FLAME TO CHECK FOR GAS LEAKS!**
- **The loading door switch, lint door switch and airflow switch must be operating properly.**

Section 2
Introduction

Model Identification

Information in this manual is applicable to these models:

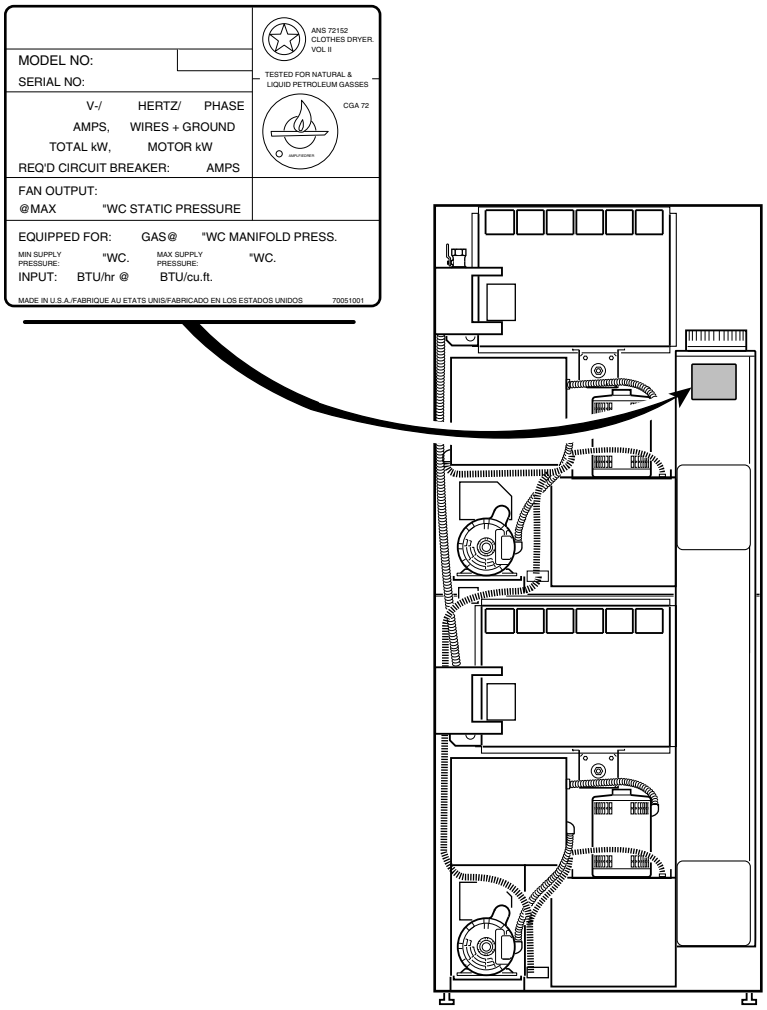
	Gas			Steam	Electric
T30	CHD30STG2-CAT30L CHD30STG2-CAT30N CHD30STG2-CTT30L CHD30STG2-CTT30N CHD30STG2-CUT30L CHD30STG2-CUT30N DRST30G2-BAT30L DRST30G2-BAT30N DRST30G2-BTT30L DRST30G2-BTT30N DRST30G2-BUT30L DRST30G2-BUT30N HAT30L HAT30N HTT30D	HTT30L HTT30N HUT30L HUT30N IPD30STG2-ITT30L IPD30STG2-ITT30N LTT30L LTT30N MTT30N NTT30N PAT30L PAT30N PTT30L PTT30N	PUT30L PUT30N SAT30L SAT30N STT30L STT30N SUT30L SUT30N UAT30L UAT30N UTT30L UTT30N UUT30L UUT30N	CHD30STS2-CTT30S CHD30STS2-CUT30S DRST30S2-BTT30S DRST30S2-BUT30S HTT30S HUT30S IPD30STS2-ITT30S PTT30S PUT30S STT30S SUT30S UTT30S UUT30S	CHD30STE2-CTT30E CHD30STE2-CUT30E DRST30E2-BTT30E DRST30E2-BUT30E HTT30E HUT30E IPD30STE2-ITT30E PTT30E PUT30E STT30E SUT30E UTT30E UUT30E

Includes models with the following control suffixes:

- 3O – DX4 OPL
- 3V – DX4 vended
- 3X – DX4 prep for coin
- BC – basic electronic, coin
- BL – basic electronic, central pay
- BX – basic electronic, prep for coin
- BY – basic electronic, prep for card
- CD – rotary coin drop
- CX – prep for coin drop
- CY – prep for card
- EC – EDC electronic coin
- EX – EDC coin ready
- EY – EDC card ready
- MT – manual timer
- NC – NetMaster coin
- NR – NetMaster card
- NX – NetMaster coin ready
- NY – NetMaster card ready
- OM – OPL micro
- ZC – NetMaster coin network
- ZR – NetMaster card network
- ZX – NetMaster coin ready network
- ZY – NetMaster card ready network

Serial Plate Location

When calling or writing for information about your product, be sure to mention model and serial numbers. Model and serial numbers are found on the serial plate on the rear of the machine and inside the upper loading door hinge.



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Customer Service

If literature or replacement parts are required, contact the source from which the machine was purchased or contact Alliance Laundry Systems at (920) 748-3950 for the name and address of the nearest authorized parts distributor.

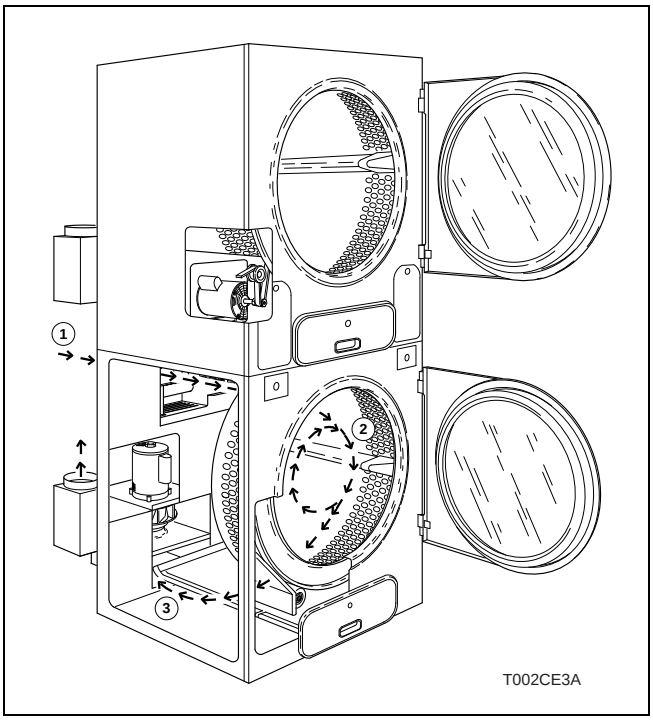
For technical assistance, call (920) 748-3121.

Wiring Diagram

The wiring diagram is located inside the contactor or junction box.

Models starting Serial No. 0309____ or later will have the wiring diagram part number in the lower portion of the electrical data on the serial plate.

How A Tumble Dryer Works



A tumble dryer uses heated air to dry loads of laundry.

1. When the motor is started, the exhaust fan pulls room temperature air in through the air intake at the rear of the tumble dryer and over the heat source (burner flame for gas, heating element for electric, and coil for steam).
2. The heated air moves into the cylinder, where it is circulated through the wet load by the tumbling action of the cylinder.
3. The air then passes through the lint filter, exhaust fan, and is vented to the outdoors.

Section 3
Troubleshooting

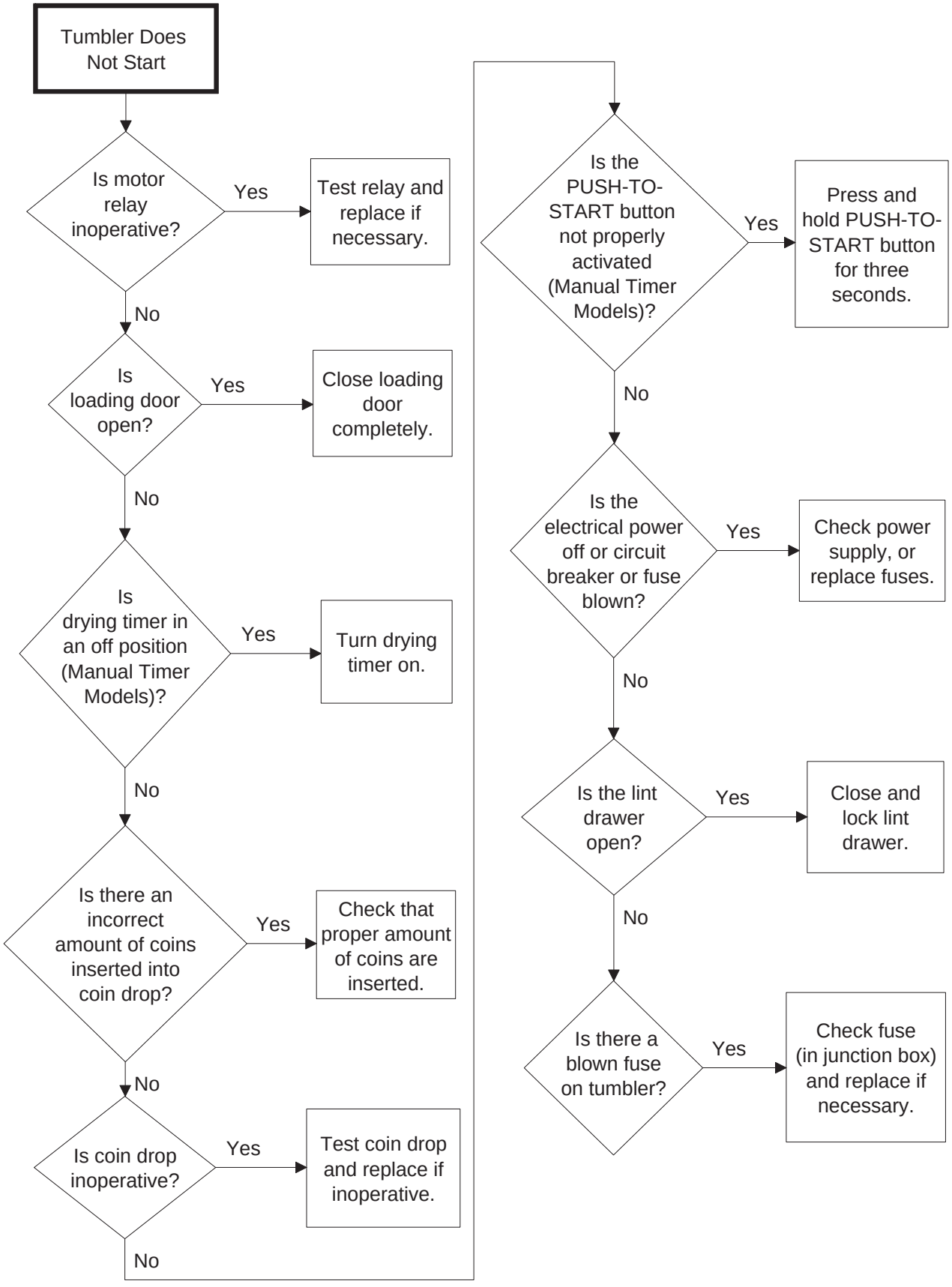
WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the tumble dryer before servicing.**
- **Close gas shut-off valve to gas tumble dryer before servicing.**
- **Close steam valve to steam tumble dryer before servicing.**
- **Never start the tumble dryer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the tumble dryer is properly grounded.**

W002R1

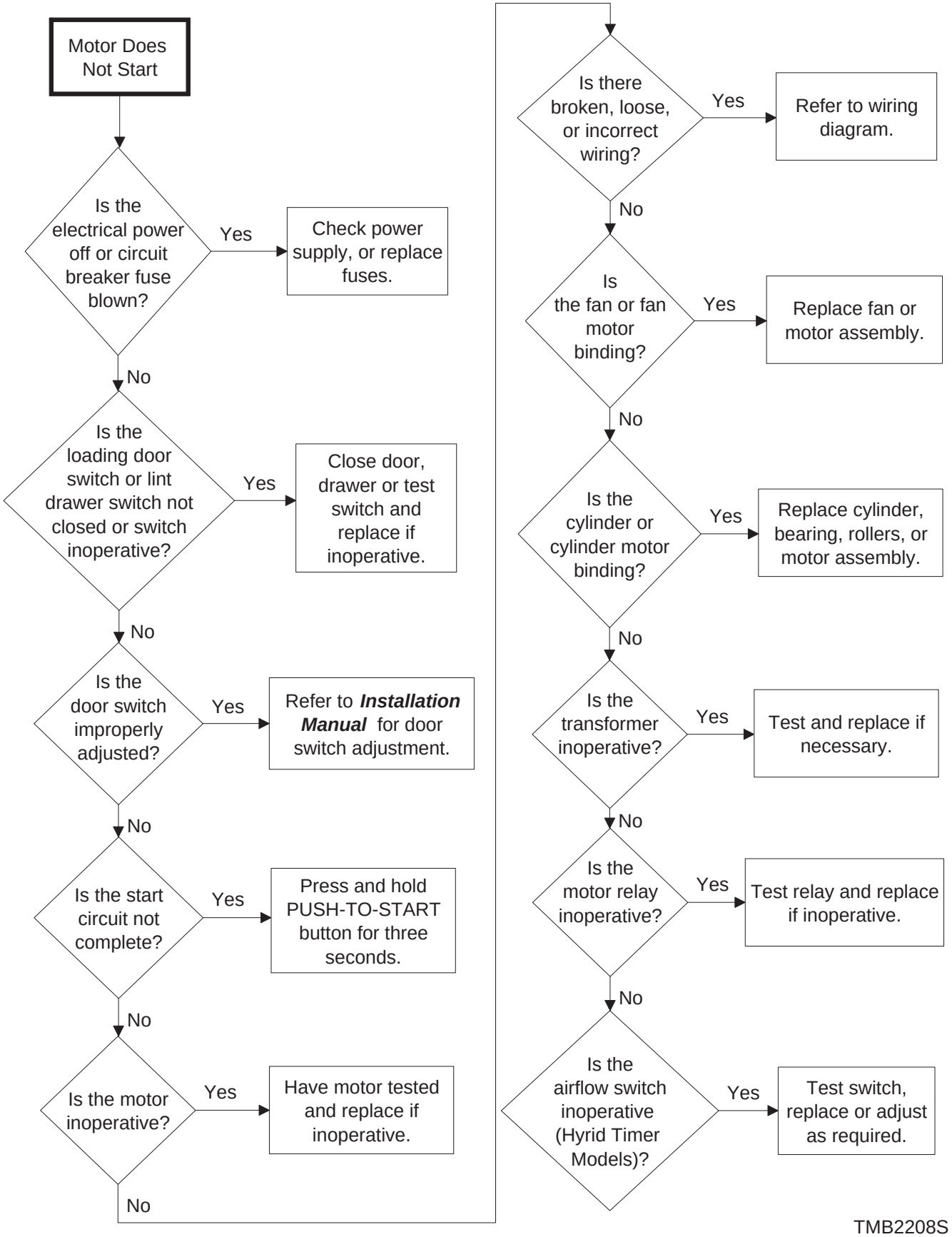
IMPORTANT: Refer to wiring diagram for aid in testing tumble dryer components.

1. Tumble Dryer Does Not Start



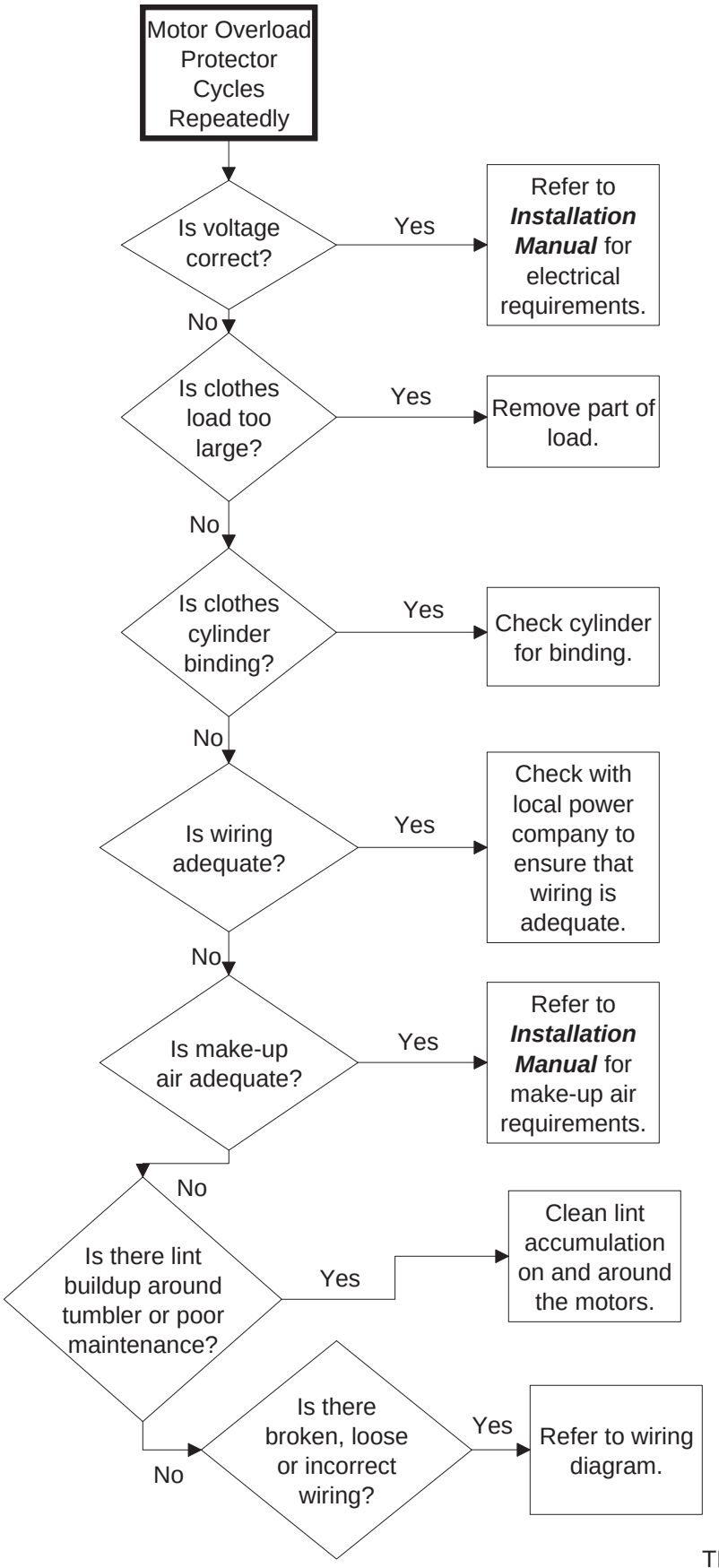
TMB2207S

2. Motor Does Not Start



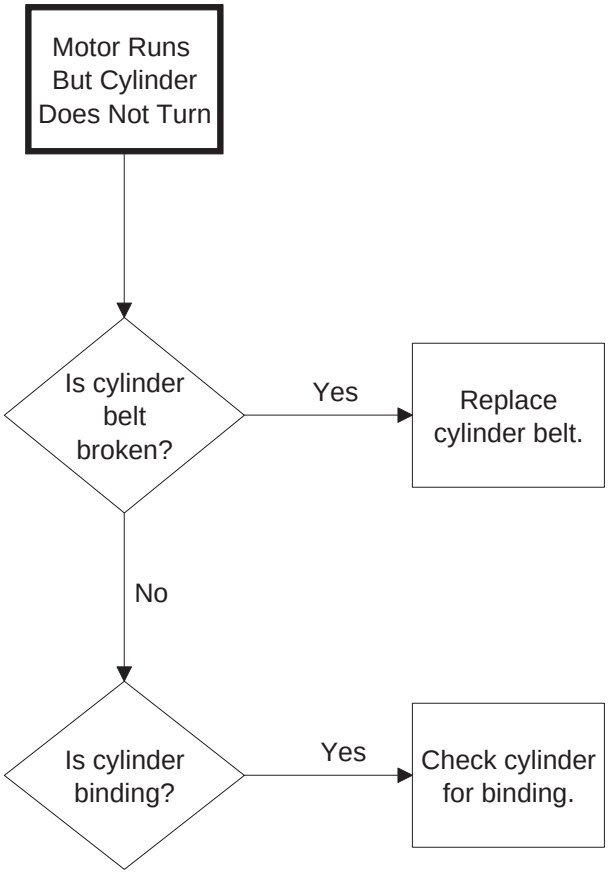
TMB2208S

3. Motor Overload Protector Cycles Repeatedly



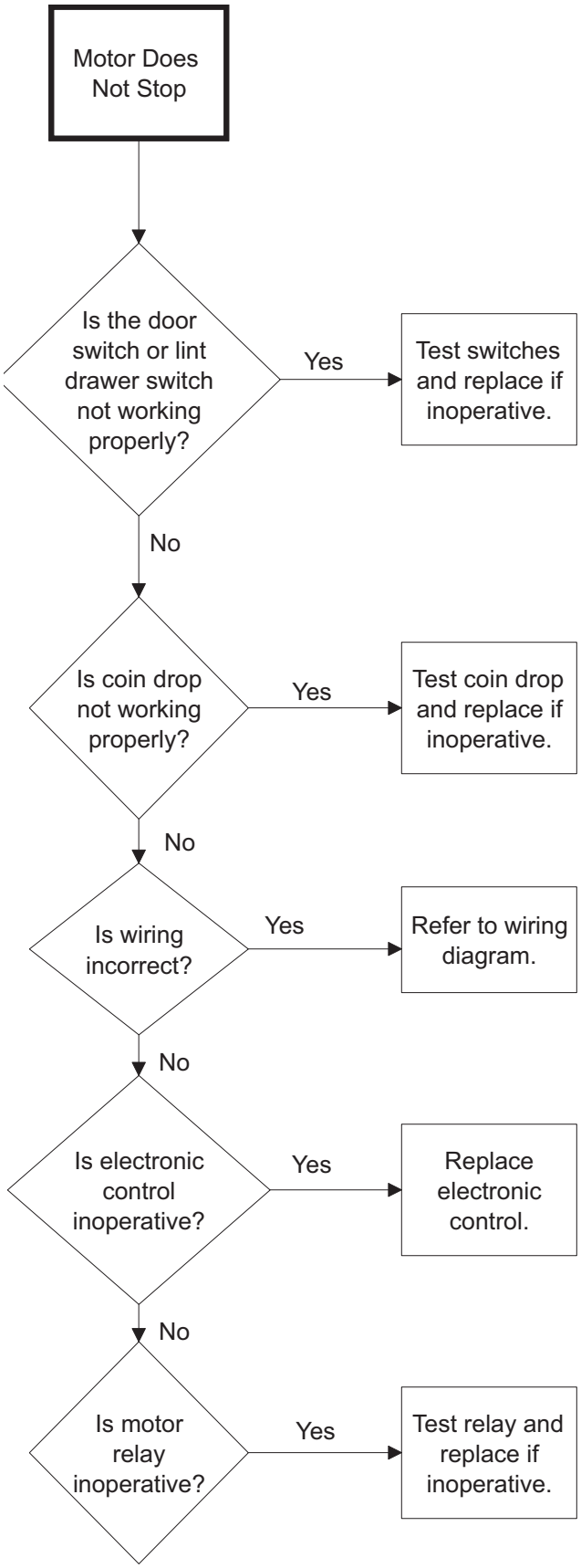
TMB1904S

4. Motor Runs But Cylinder Does Not Turn



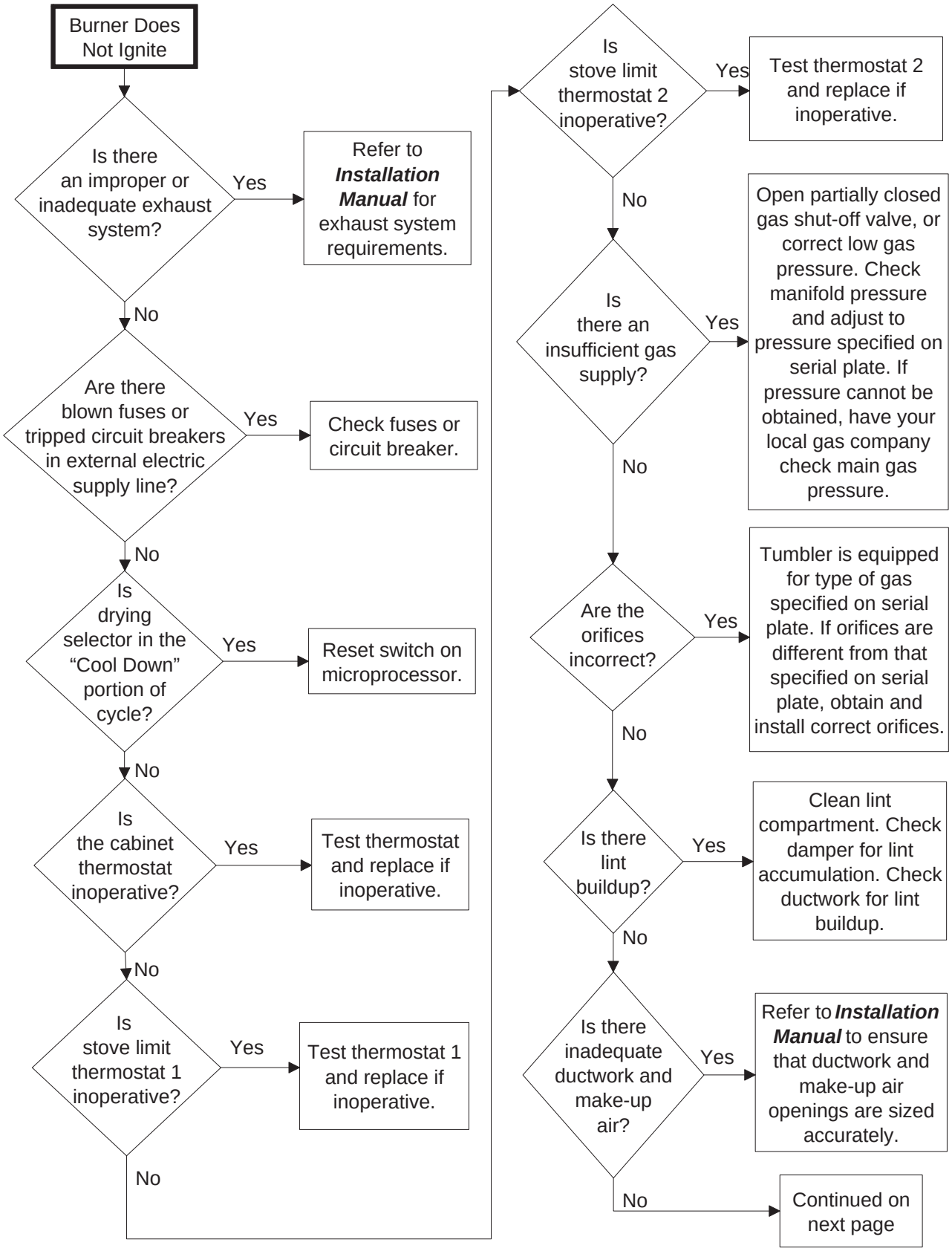
TMB1905S

5. Motor Does Not Stop



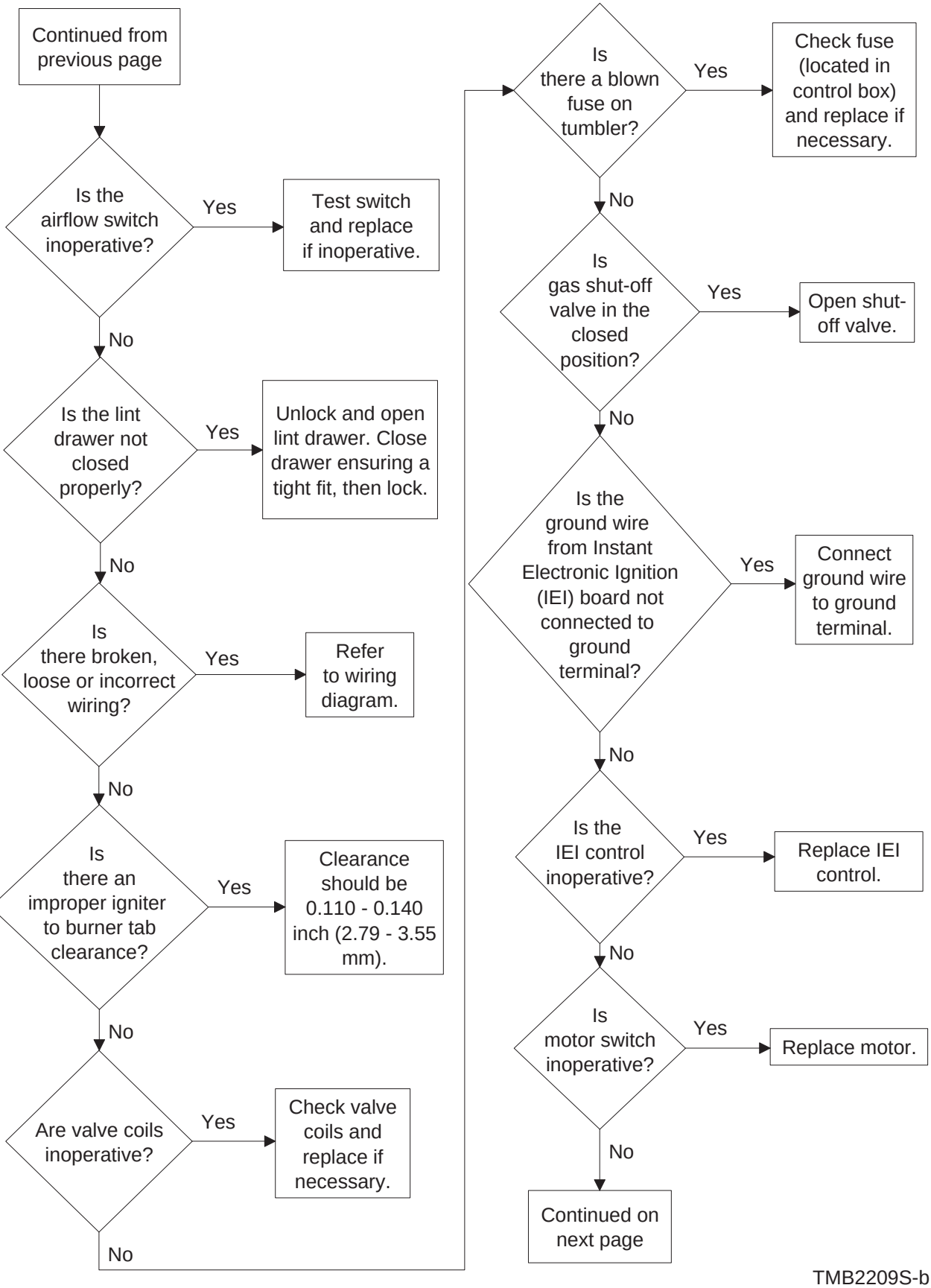
TMB1906S

6. Burner Does Not Ignite



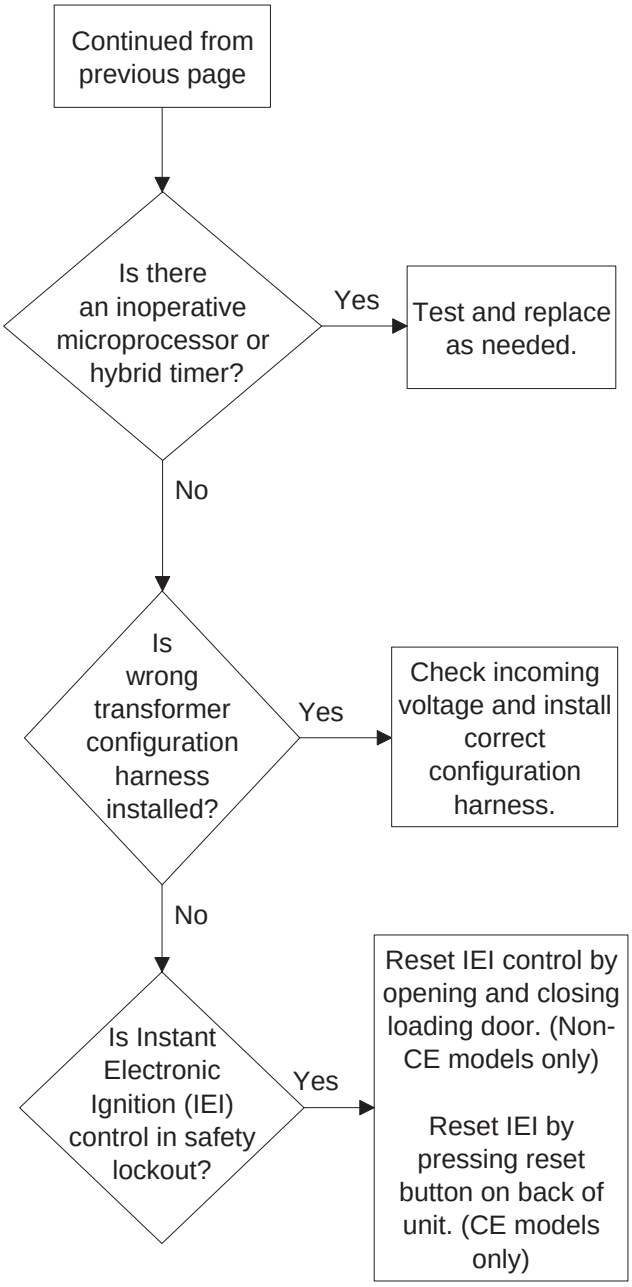
TMB2209S-a

6. Burner Does Not Ignite (continued)



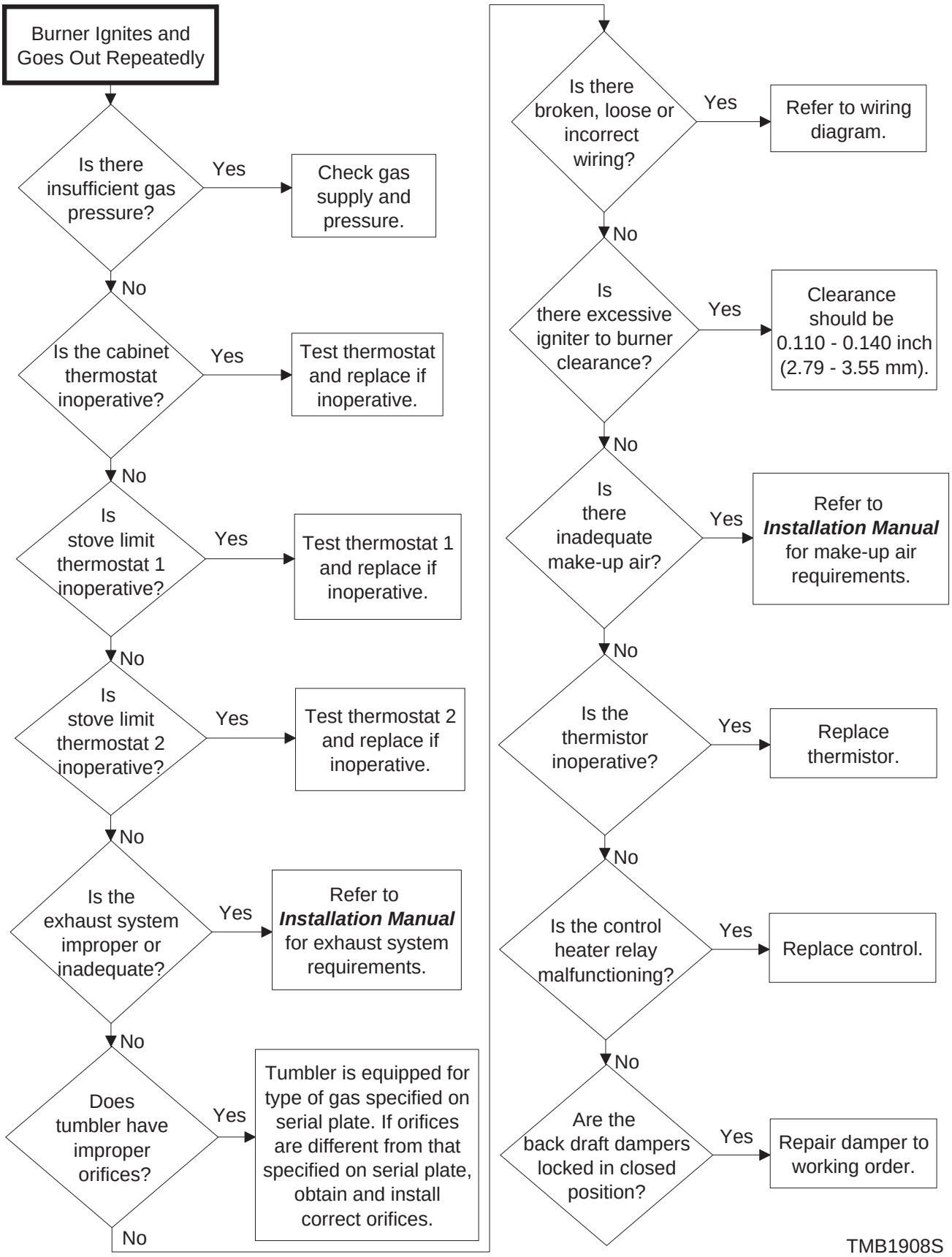
TMB2209S-b

6. Burner Does Not Ignite (continued)

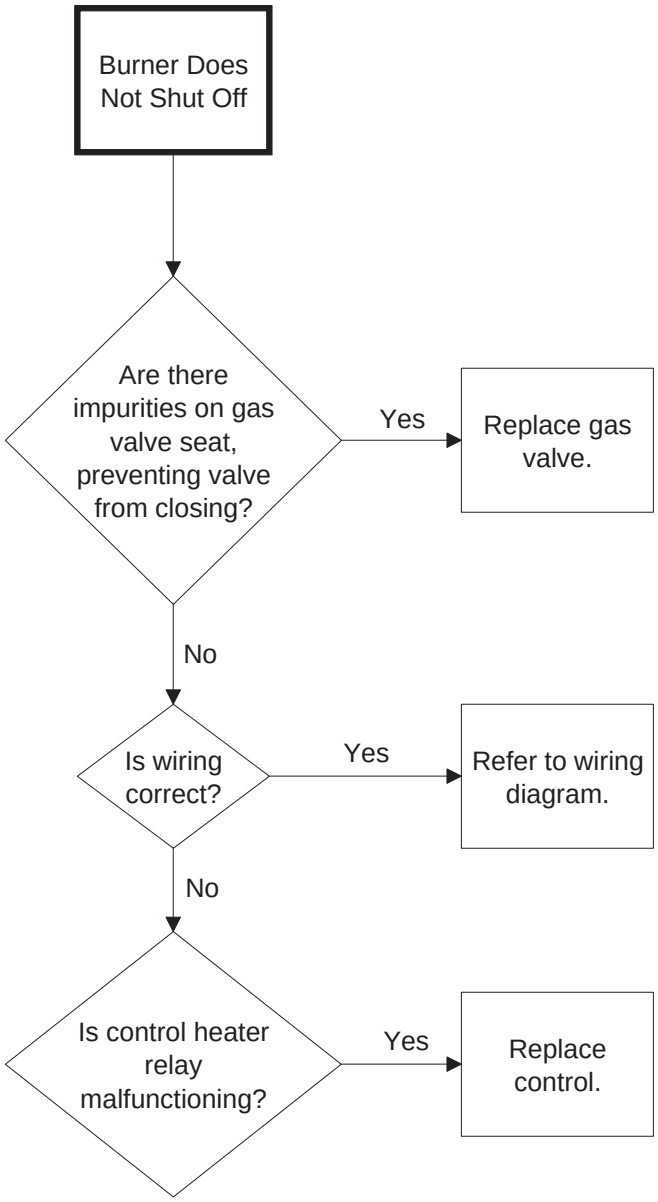


TMB2209S-c

7. Burner Ignites and Goes Out Repeatedly

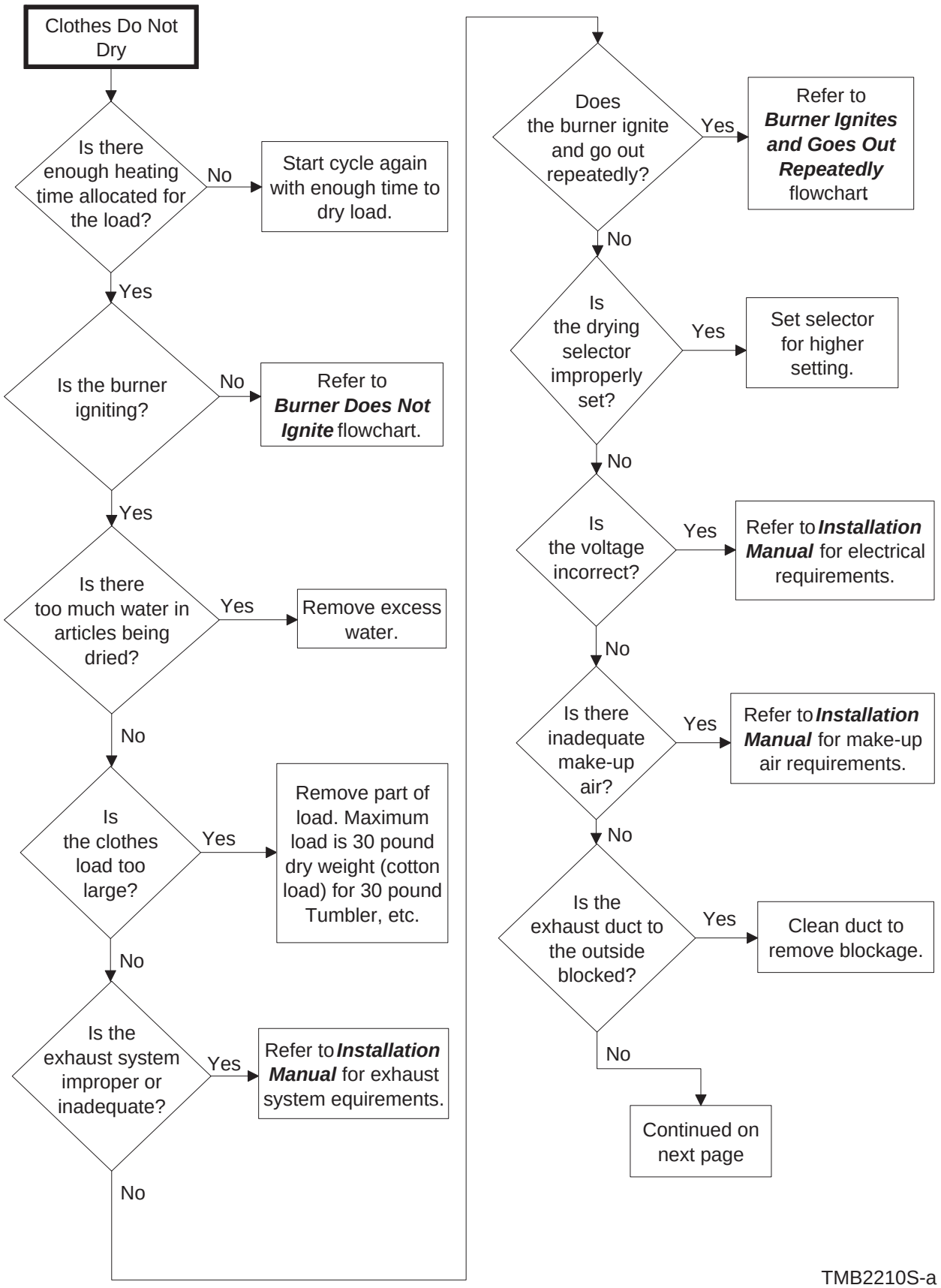


8. Burner Does Not Shut Off



TMB1909S

9. Clothes Do Not Dry



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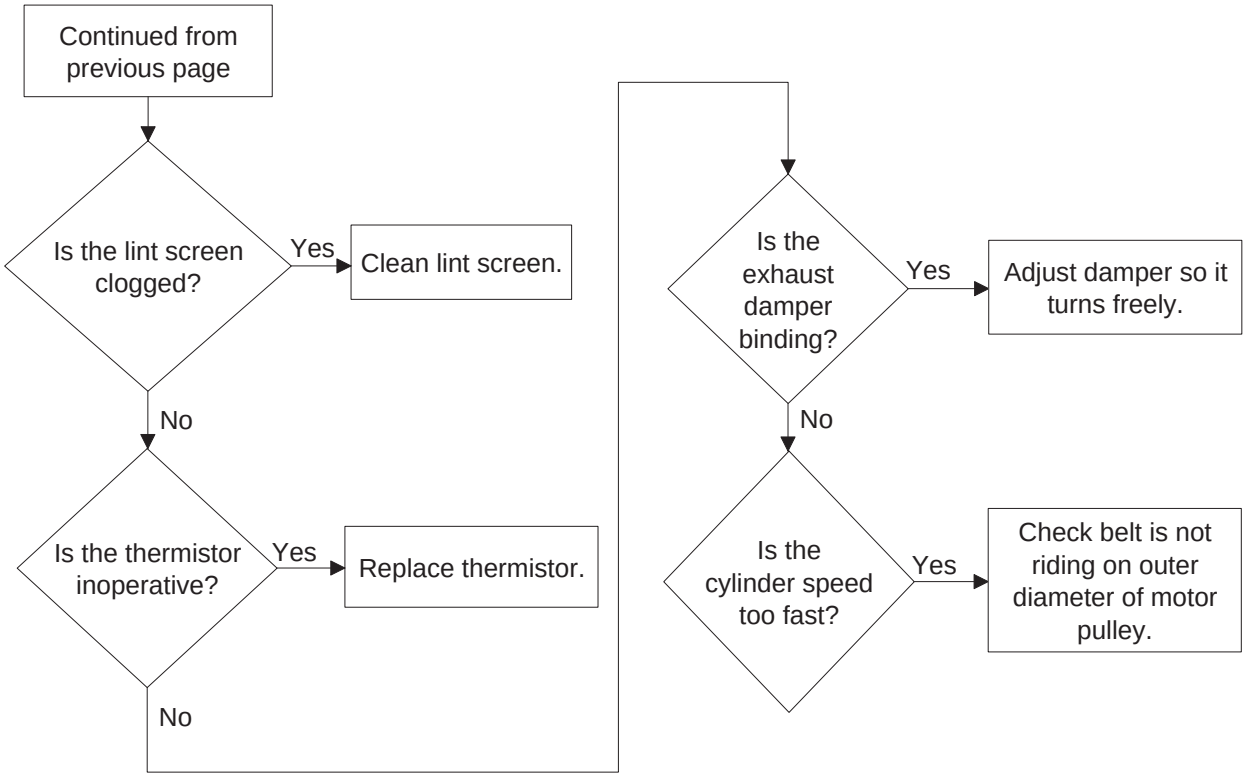
9. Clothes Do Not Dry (continued)



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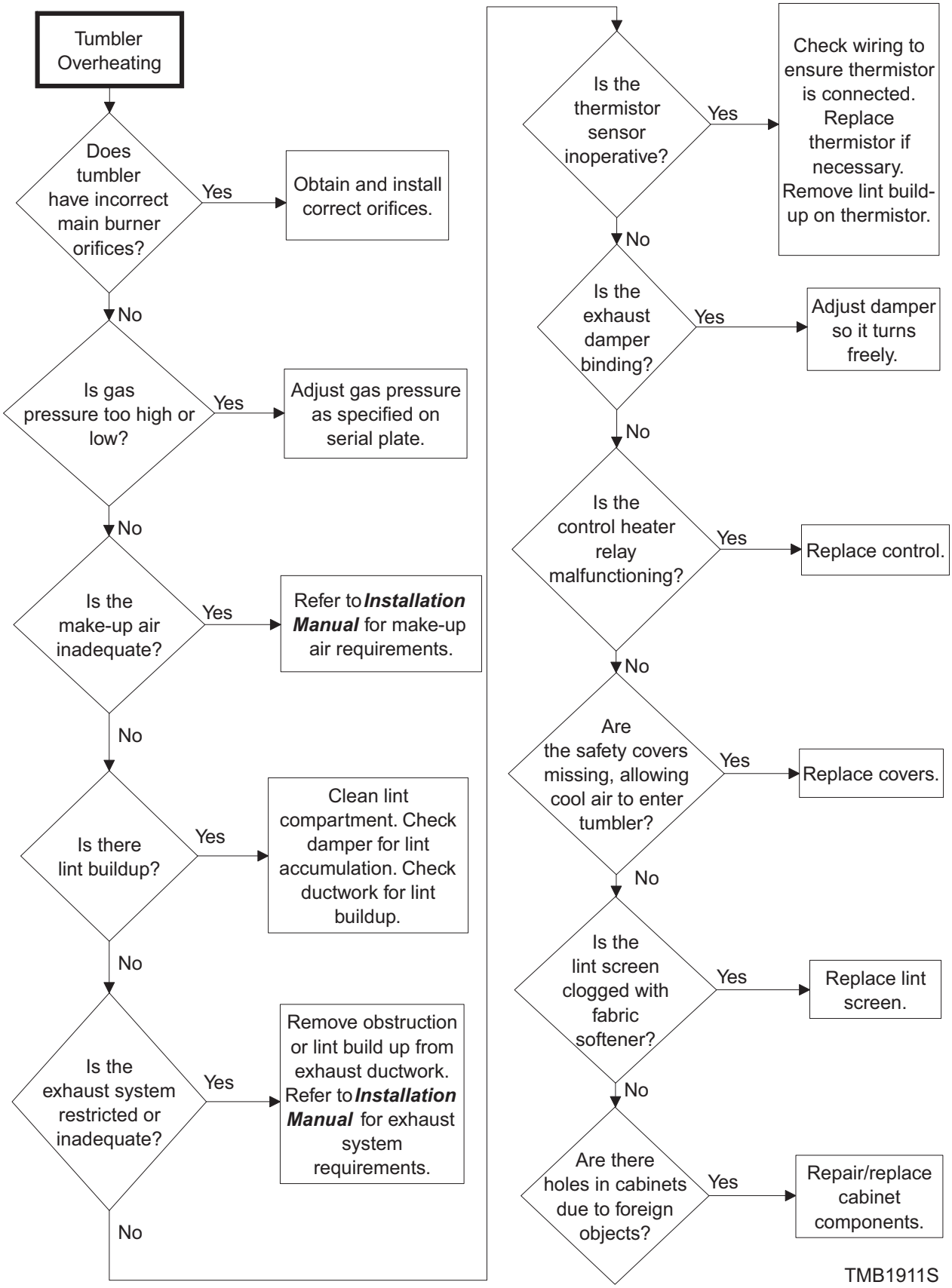
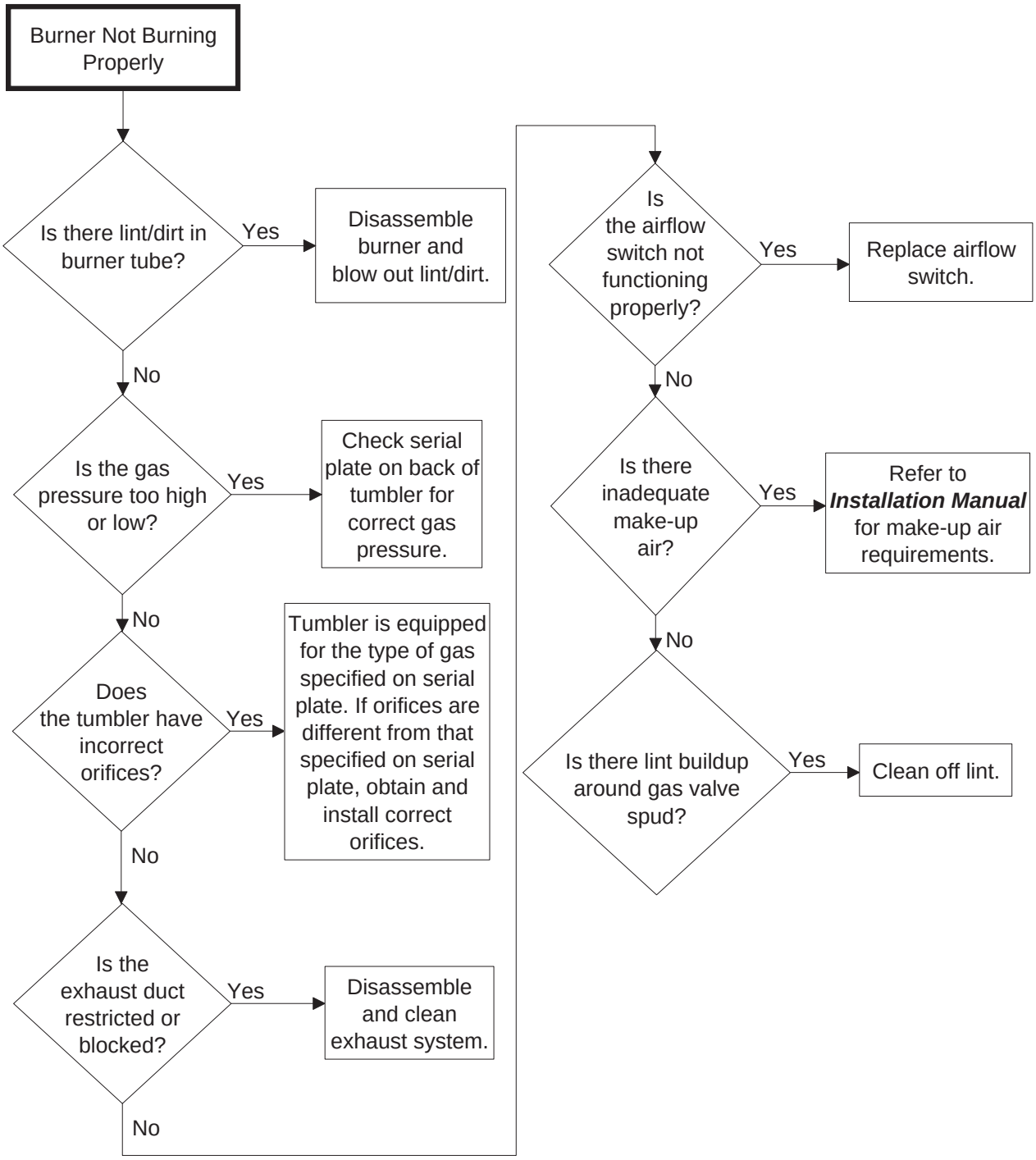
10. Tumble Dryer Overheating

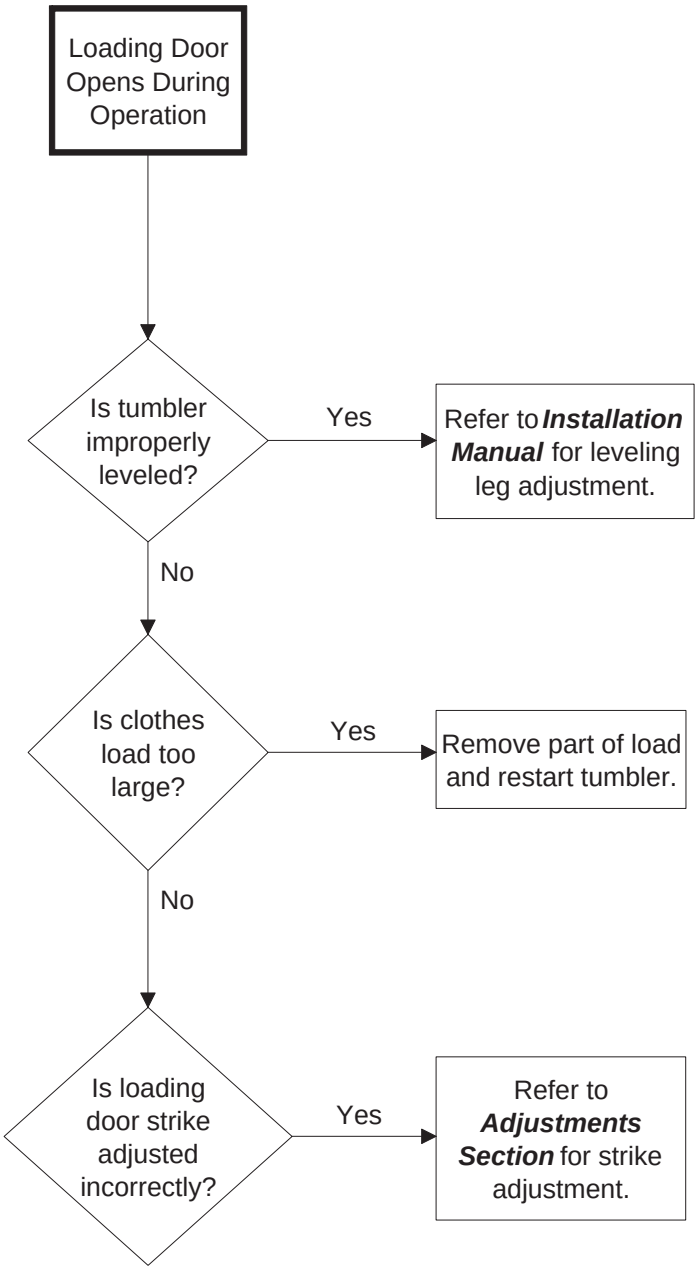


11. Burner Not Burning Properly



TMB2211S

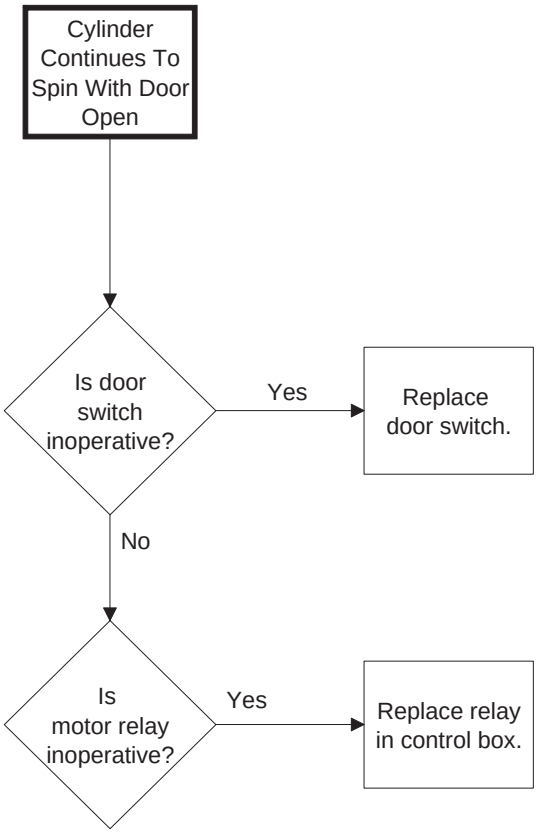
12. Loading Door Opens During Operation



TMB1913S

NOTE: All tumble dryer panels must be in place and on the machine for proper operation.

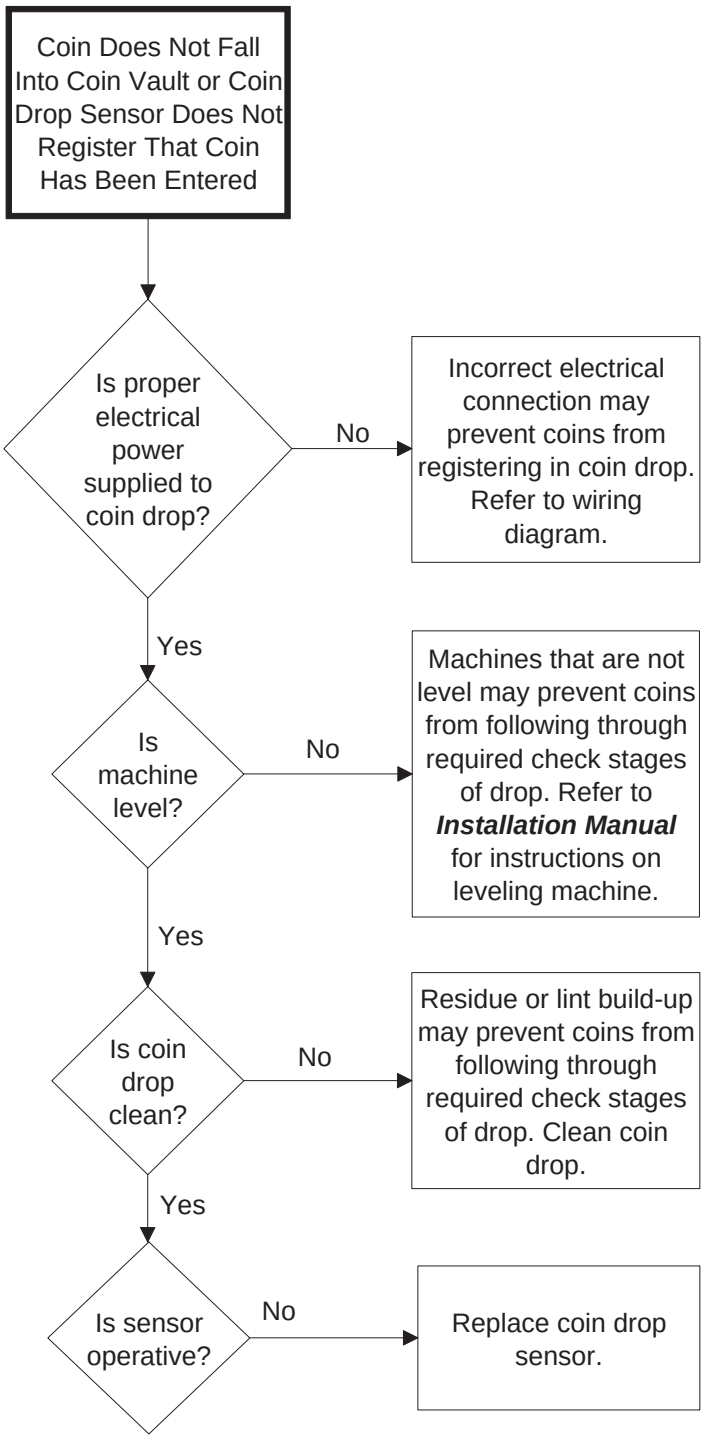
13. Cylinder Continues to Spin with Door Open



TMB2186S

NOTE: All tumble dryer panels must be in place and on the machine for proper operation.

14. Coin Does Not Fall into Coin Vault or Coin Drop Sensor Does Not Register That Coin Has Been Entered



TMB1915S

IMPORTANT: Never use oil to correct coin drop problem. Oil residue will prevent coins from rolling properly.

IMPORTANT: Do not bend or damage mechanical parts within coin drop.

Troubleshooting Coin Drop

If coin drop is not accepting coins, perform the following:

1. Clean coin drop. Refer to *Paragraph 17.*
2. On electronic coin drops with an old-style tension spring (shown in *Figure 1* and *Figure 3*), test and replace tension spring using the following instructions.

Remove Coin Drop From Machine

1. Disconnect electrical power to machine and drop.
2. Remove coin drop from machine.

Test Tension Spring

1. Push coin return button to open and close coin drop cover to clear possible coin jams. Refer to *Figure 1*.

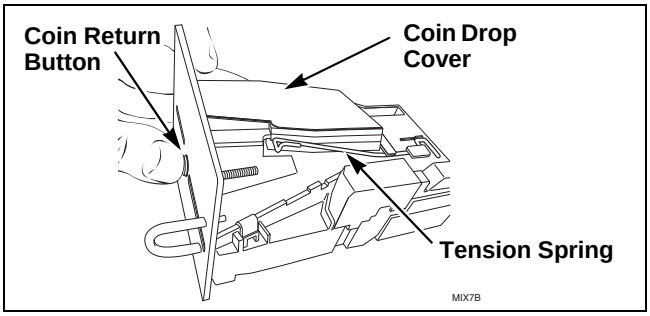


Figure 1

2. Manually hold down coin drop cover and insert coin. Refer to *Figure 2*.

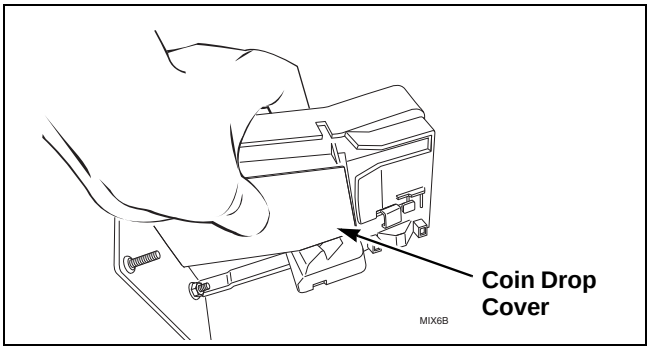


Figure 2

3. If coin drop now operates properly, replace tension spring using instructions on following pages.

Replace Tension Spring

1. Move tension spring downward until cover catch is free. Refer to *Figure 3*.

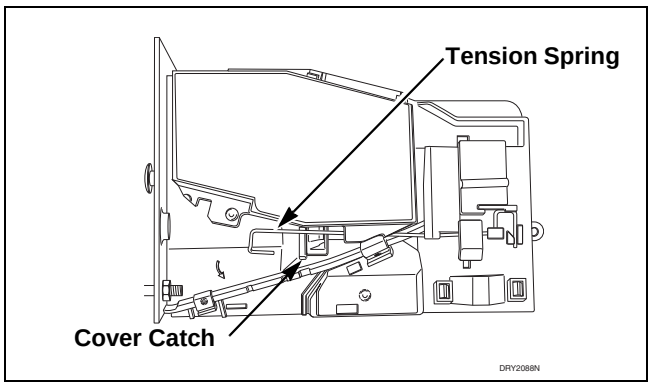


Figure 3

2. Open cover for coin drop.
3. Place a small flathead screwdriver under right side of tension spring and lift up. Refer to *Figure 4*.

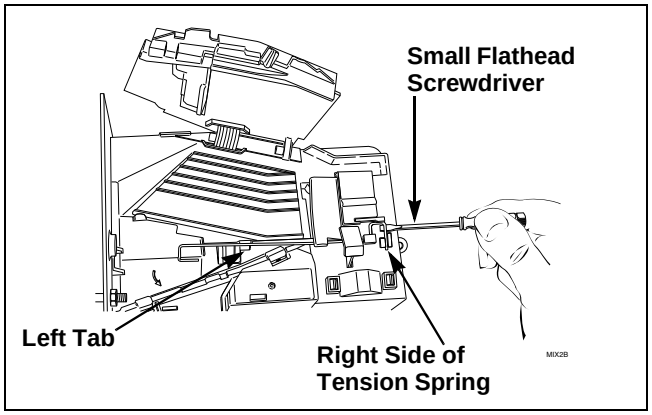


Figure 4

4. Use screwdriver to move spring approximately 3 mm to left.
5. Lift spring over left tab. Refer to *Figure 4*.
6. Rotate spring clockwise, 40 to 60 degrees, until it is free from right tabs. Refer to *Figure 5*.

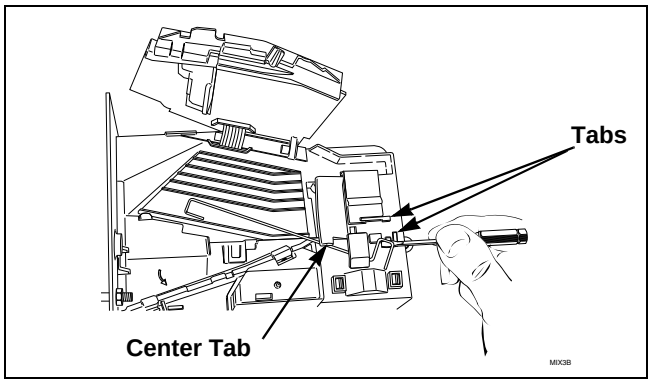


Figure 5

7. Use screwdriver to remove spring from center tab. Refer to *Figure 5*.
8. Lift spring, with attached clip, off drop.
9. Remove clip from spring. Refer to *Figure 6*.

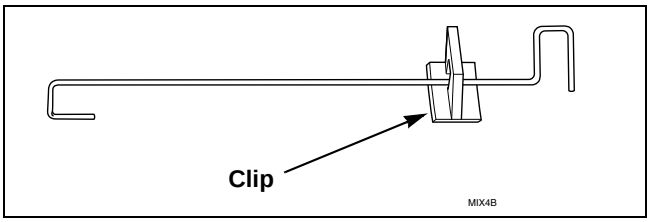


Figure 6

10. Attach clip to new tension spring, Part No. 209/00598/02.
11. Place clip, installed on spring, in slot on coin drop. Refer to *Figure 7*.

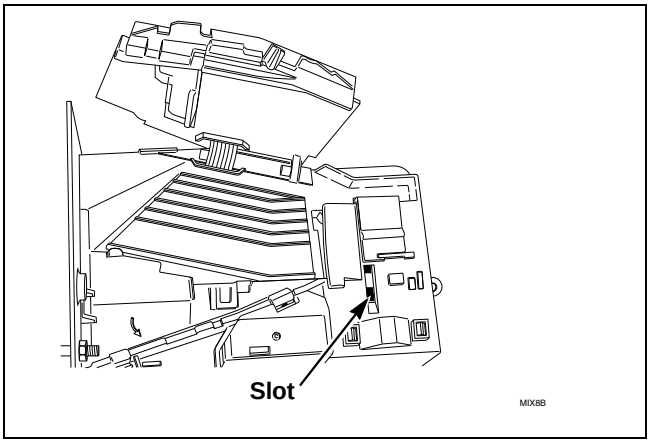


Figure 7

12. Use a small flathead screwdriver to push spring under center tab. Refer to *Figure 8*.

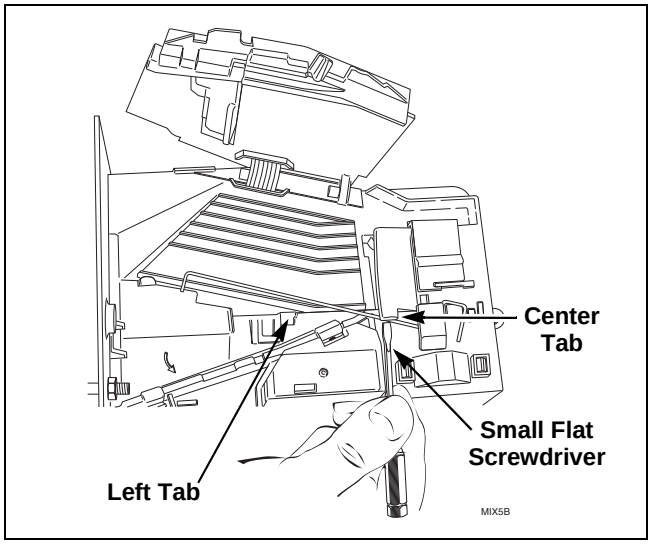


Figure 8

13. Lift spring gently to place in position under left tab.
14. Push spring to right until it snaps into position. Refer to *Figure 4*.
15. Close coin drop cover.
16. Move tension spring over cover catch. Refer to *Figure 3*.

Reinstall Coin Drop Into Machine

1. Reinstall coin drop into machine.
2. Reconnect electrical power to machine and drop.
3. Add a coin to drop to verify that coin drop is operating properly and that electrical connection is working properly.

Section 4
Adjustments

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the tumble dryer before servicing.**
- **Close gas shut-off valve to gas tumble dryer before servicing.**
- **Close steam valve to steam tumble dryer before servicing.**
- **Never start the tumble dryer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the tumble dryer is properly grounded.**

W002R1

15. Troubleshooting and Cleaning Coin Drop

When a coin is placed into coin slot, the coin should roll down drop and be heard dropping into coin vault. If coin does not fall into coin vault or if coin drop sensor does not register that coin has been entered, follow troubleshooting instructions below.

16. Troubleshooting Coin Drop

Is proper electrical power supplied to coin drop? Incorrect electrical connection may prevent coins from registering in coin drop. Refer to wiring diagram and service manual for proper connections.

Is machine level? Machines that are not level may prevent coins from following through required check stages of drop. Refer to Installation Instructions for instructions on leveling machine.

Is coin drop clean? Residue or lint build-up may prevent coins from following through required check stages of drop. Refer to ***Cleaning Coin Drop*** instructions below.

IMPORTANT: Never use oil to correct coin drop problems. Oil residue will prevent coins from rolling properly.

IMPORTANT: Do not bend or damage mechanical parts within coin drop.

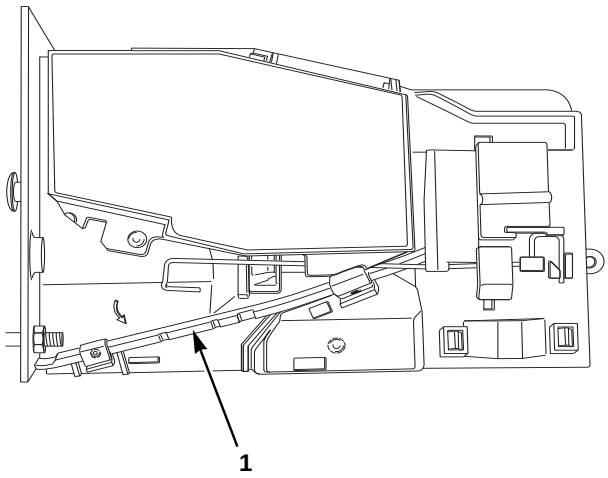
17. Cleaning Coin Drop

The electronic coin drop should be cleaned once a year. Clean the drop more often if it is exposed to high levels of residue or lint build-up. Follow the instructions below for cleaning the coin drop.

1. Disconnect electrical power to machine and drop.
2. Remove coin drop from machine.
3. Open cover of coin drop. Refer to instructions for your coin drop below.

Coin Drops with Old-Style Spring

Refer to *Figure 9*.

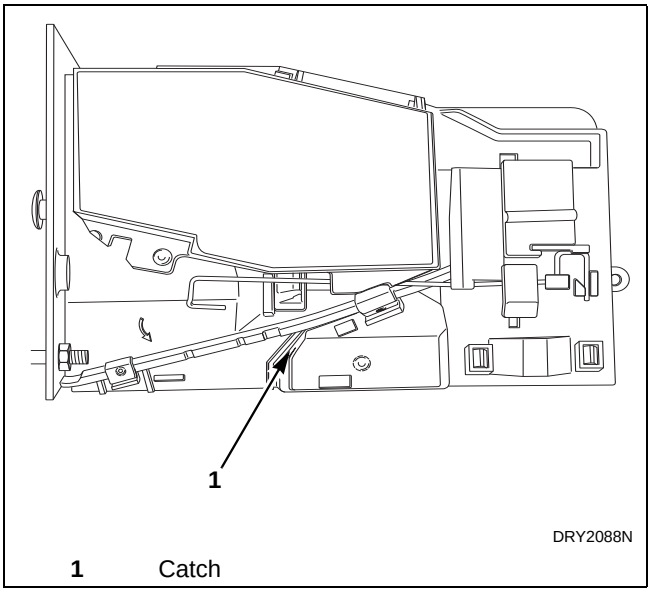


1 Spring

Figure 9

a. Move spring downward until cover catch is free. Refer to *Figure 10*.

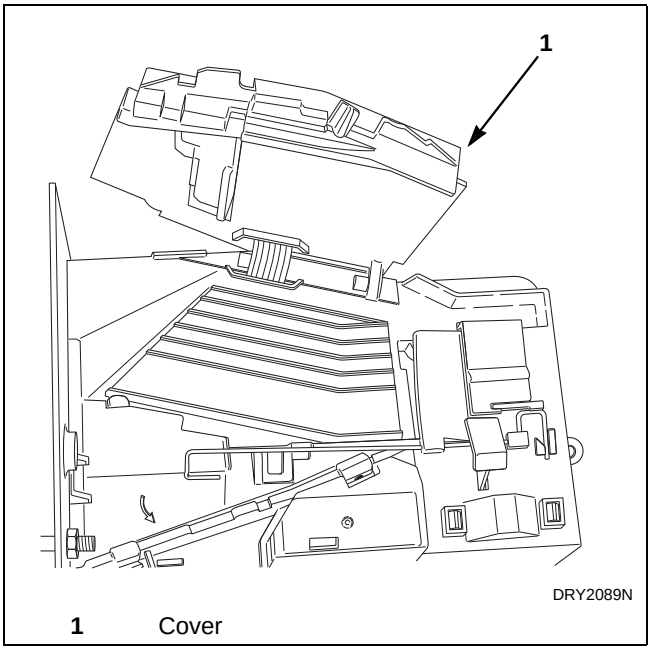
NOTE: Do not lift or overbend the spring in any direction.



1 Catch

Figure 10

b. Open cover for coin drop. Refer to *Figure 11*.

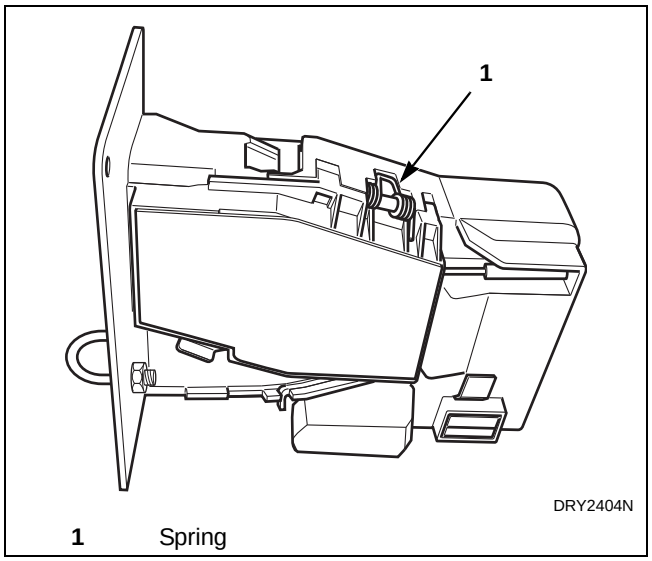


1 Cover

Figure 11

Coin Drops with New-Style Spring

Refer to *Figure 12*.

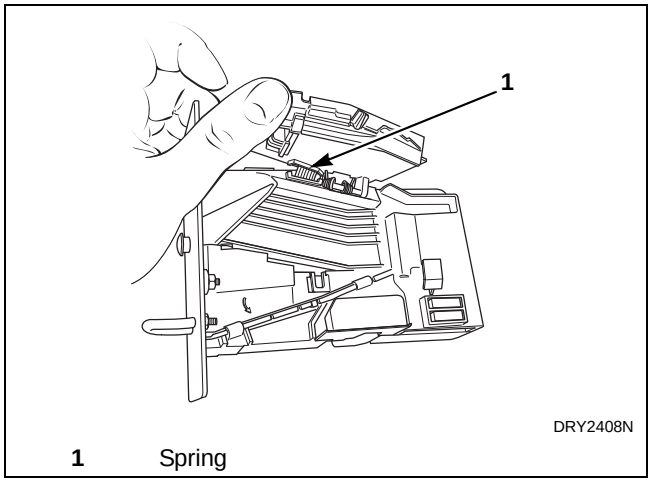


1 Spring

Figure 12

c. Open cover of coin drop. Refer to *Figure 13*.

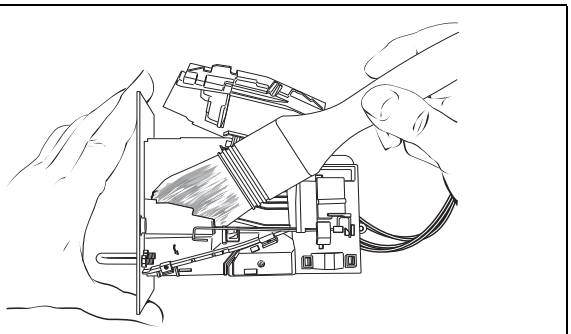
NOTE: Do not overbend the spring by opening cover too far.



1 Spring

Figure 13

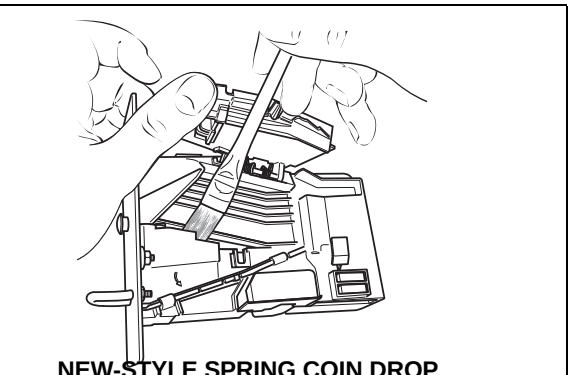
4. Clean the coin path with a soft brush and wipe exposed surfaces with an alcohol moistened cloth. Refer to *Figure 14* and *Figure 15*.



OLD-STYLE SPRING COIN DROP

DRY2090N

Figure 14

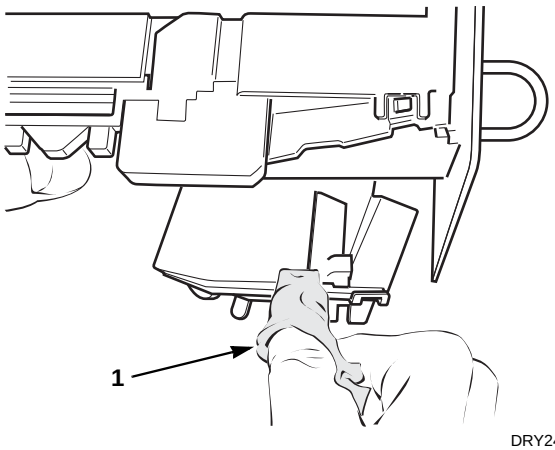


NEW-STYLE SPRING COIN DROP

DRY2405N

Figure 15

5. Clean residue from coin rail with an alcohol moistened cloth. Refer to *Figure 16*.

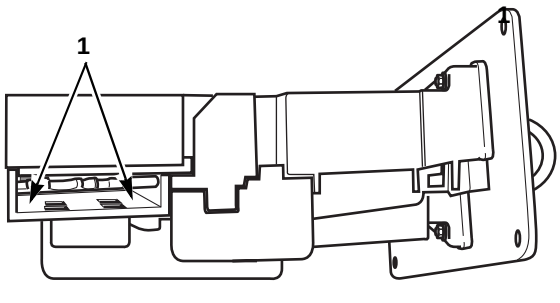


DRY2406N

1 Alcohol Moistened Cloth

Figure 16

6. Clean light sensors with a soft brush or air spray duster. Refer to *Figure 17*.



DRY2407N

1 Light Sensors

Figure 17

7. Close cover for coin drop.
8. **Coin Drops with OLD-Style Spring** – Move spring back over cover catch.
9. Reinstall coin drop into machine.
10. Reconnect electrical power to machine and drop.
11. Add a coin to drop to verify that coin drop is operating properly and that electrical connection is working properly.

Notes

Section 5
Electronic Control Troubleshooting

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the tumble dryer before servicing.**
- **Close gas shut-off valve to gas tumble dryer before servicing.**
- **Close steam valve to steam tumble dryer before servicing.**
- **Never start the tumble dryer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the tumble dryer is properly grounded.**

W002R1

18. Theory of Operation of Instant Electronic Ignition

IMPORTANT: The Non-CE Marked Instant Electronic Ignition system will attempt to light the gas by sparking for approximately 12 seconds. If gas ignition does not take place within approximately 12 seconds, the Instant Electronic Ignition control will go into safety lockout and the valve will no longer open until Instant Electronic Ignition control is reset. To reset Instant Electronic Ignition control, remove power from control by opening and closing the tumble dryer door. If condition persists, check that the gas shut-off valve is in "on" position and that the gas service is properly connected.

If condition persists:

a. Check resistance of high tension lead (approximately 1000 ohms/inch), and replace if not within resistance range.

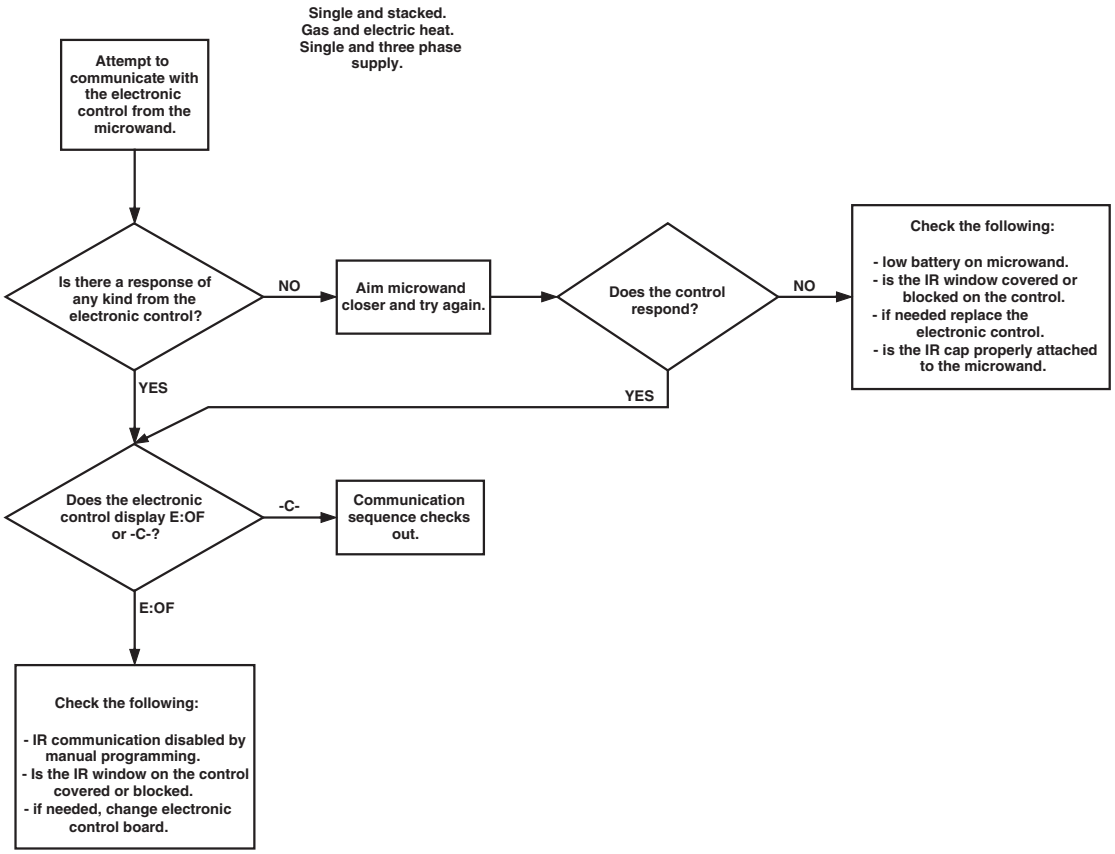
b. Check voltage present at valve.

c. Check that machine is properly grounded.

d. Check the igniter gap (gap should be .110 to .140 inch).

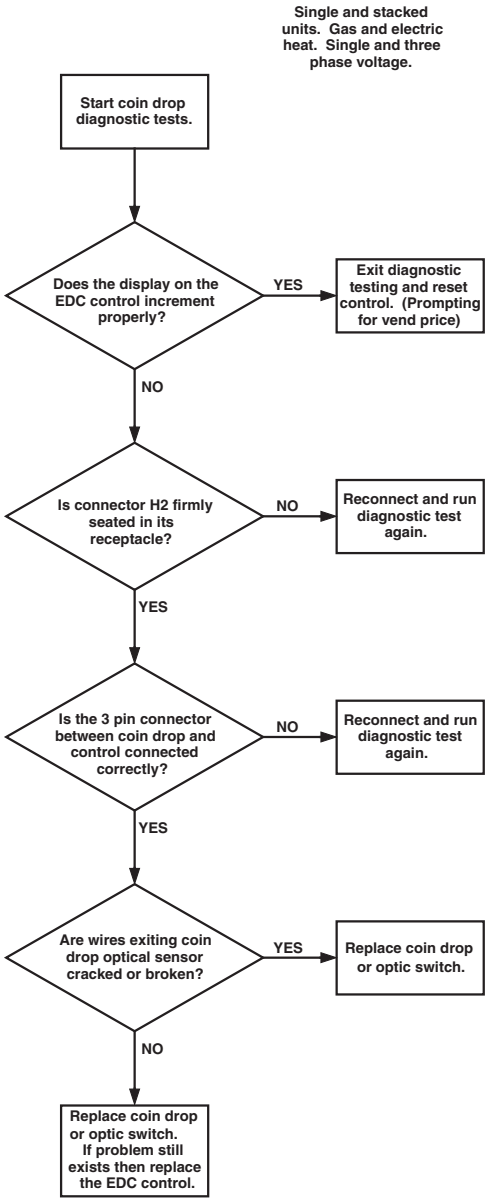
e. Check that burner ports are not blocked or plugged under the igniter.

19. Cannot Perform Infrared (IR) Communication



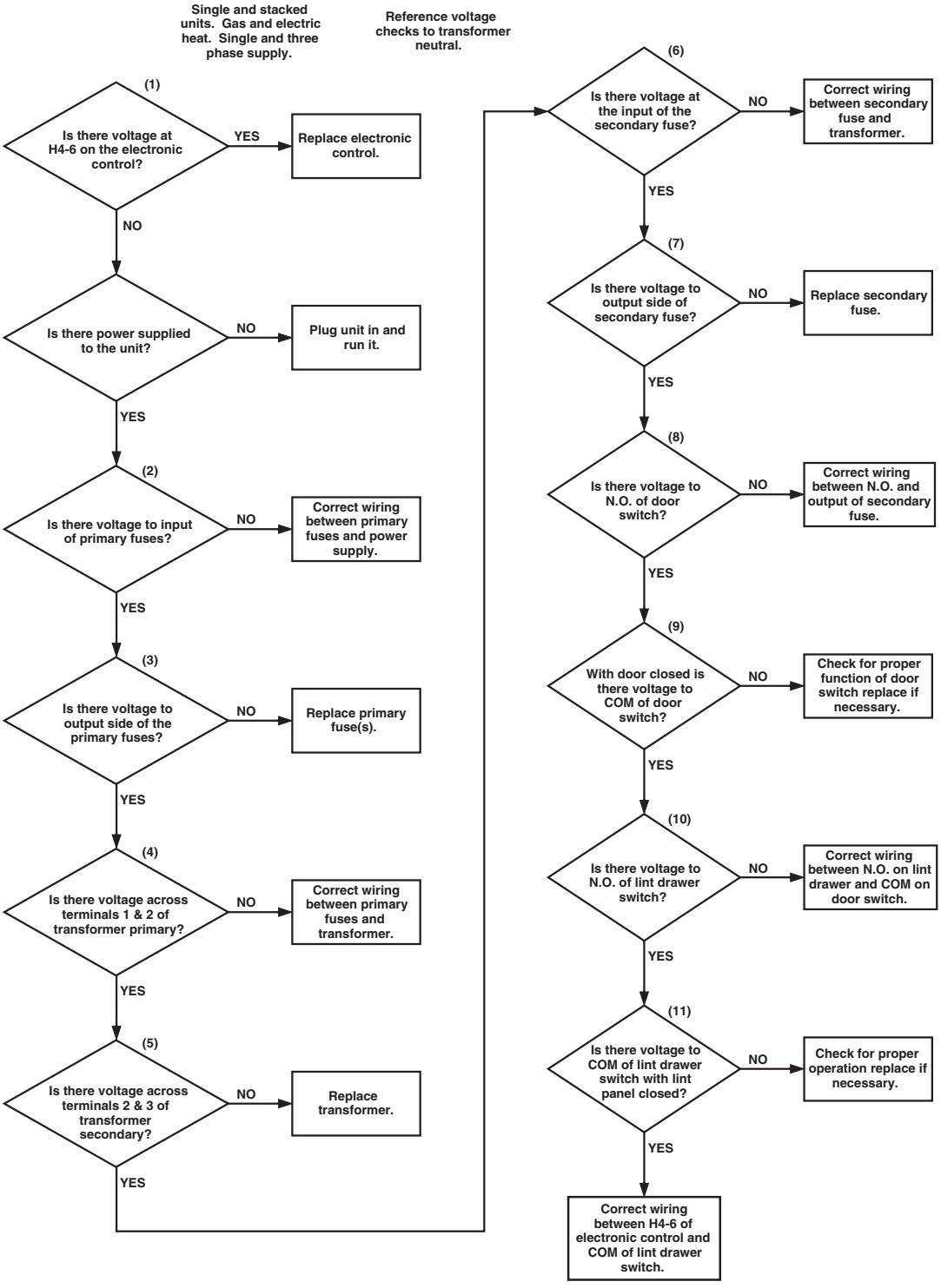
T027D

20. Coins Ignored When Entered



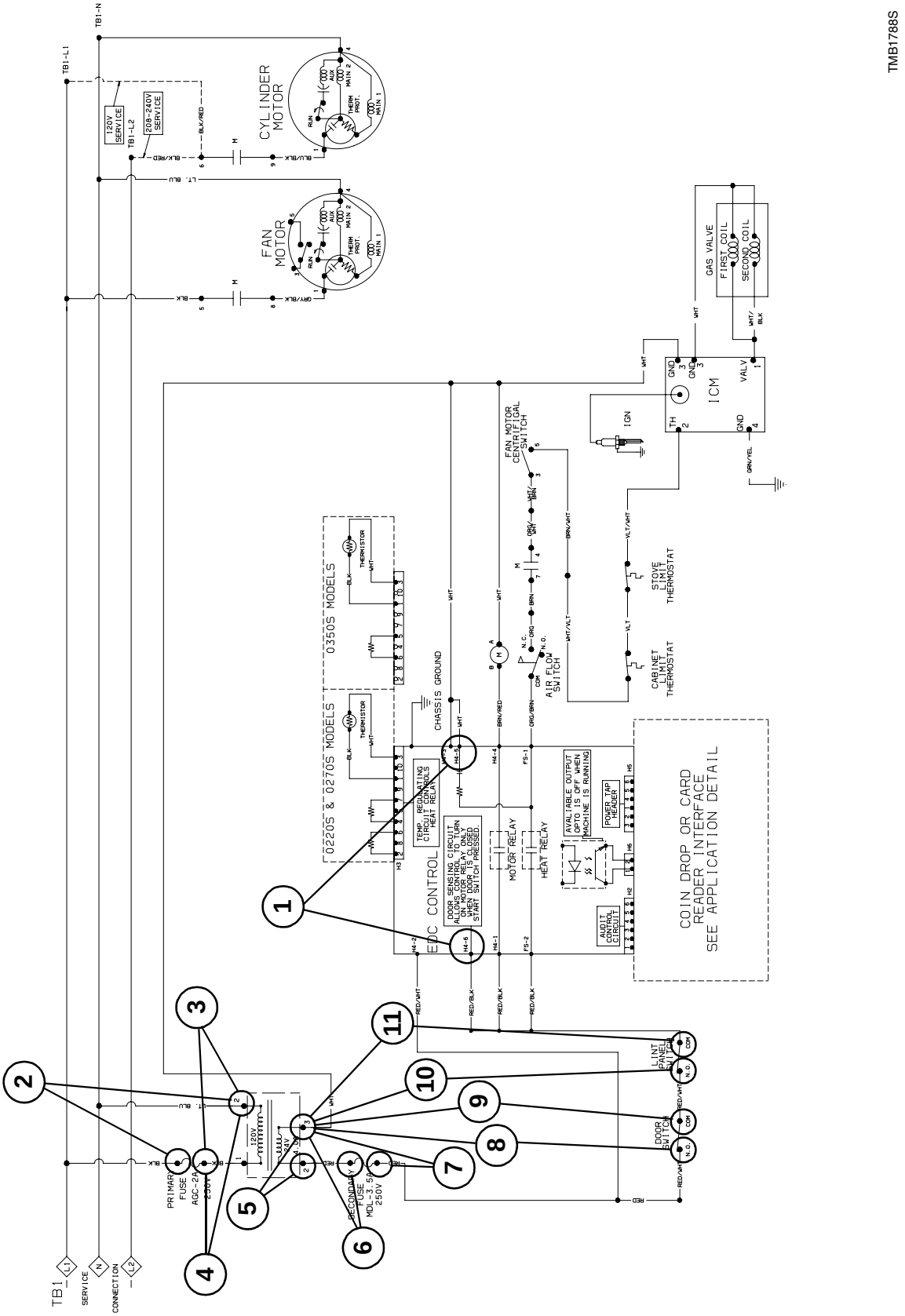
TMB1822S

21. Control Display – Door Open Light “On”

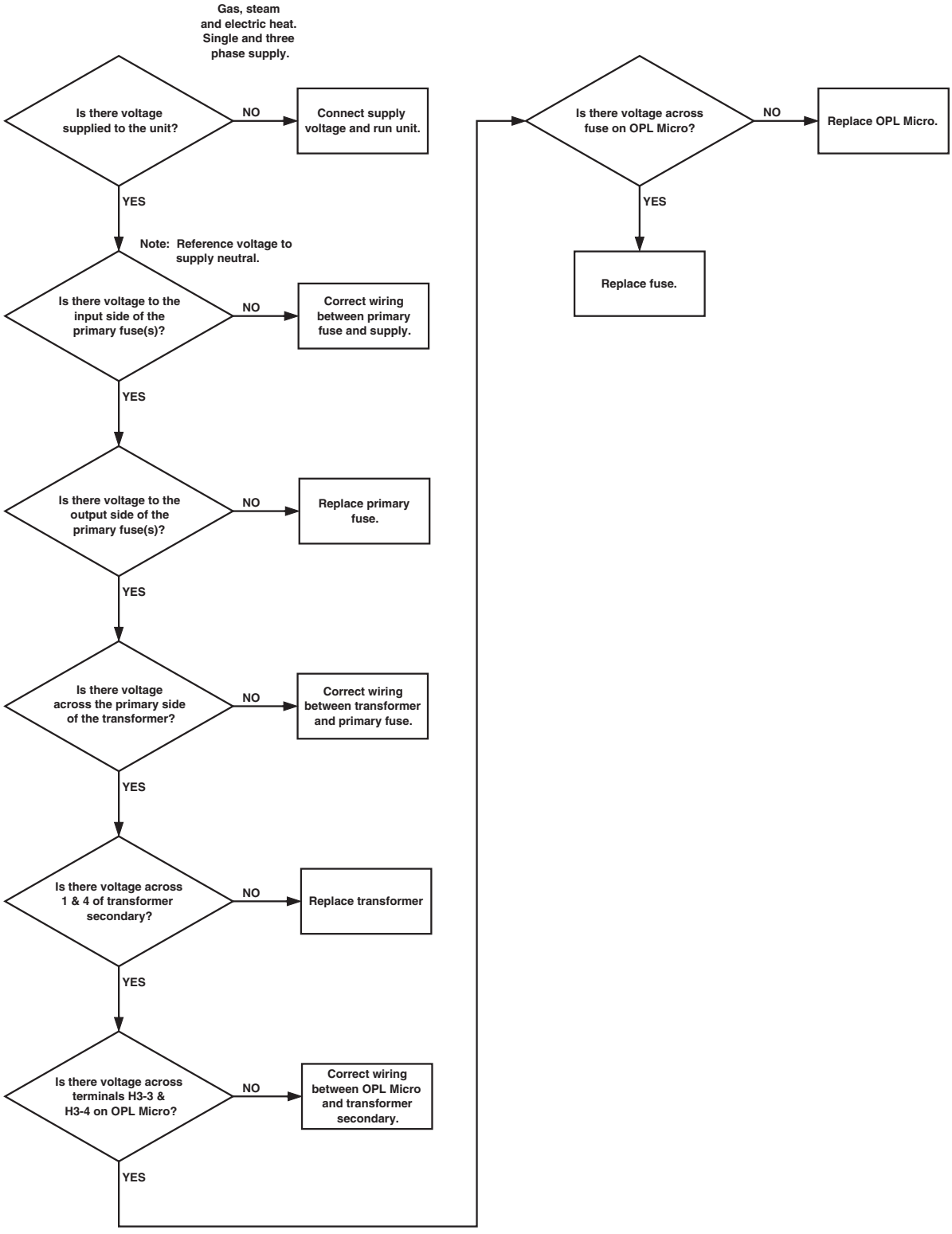


T028D

22. Control Display – “door” Error on 25, 30, Stacked 30 and 35 Pound Tumble Dryers with 24 Volt EDC Controls

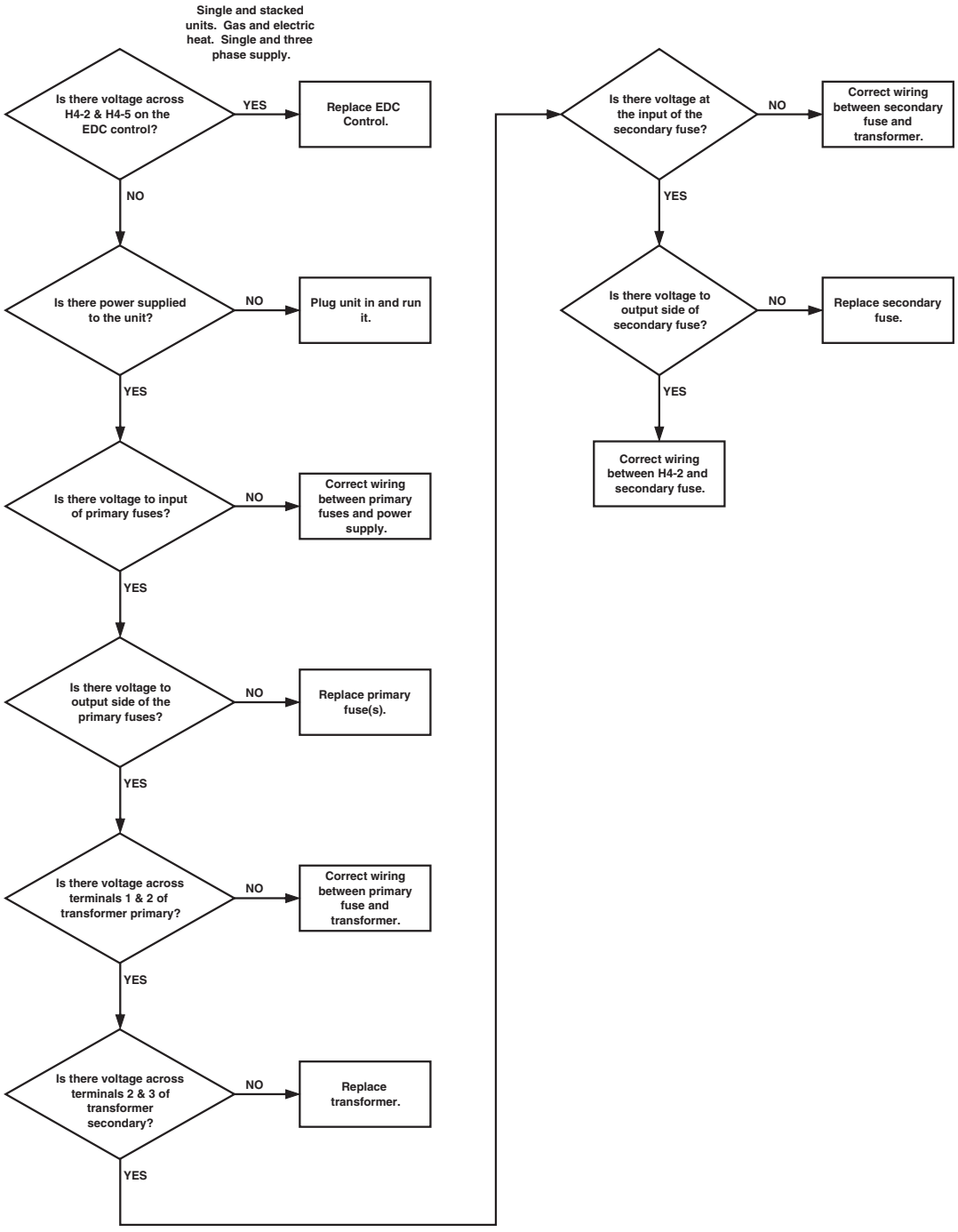


23. Control Display – No Visible Display – OPL Microprocessor Models



TMB1823S

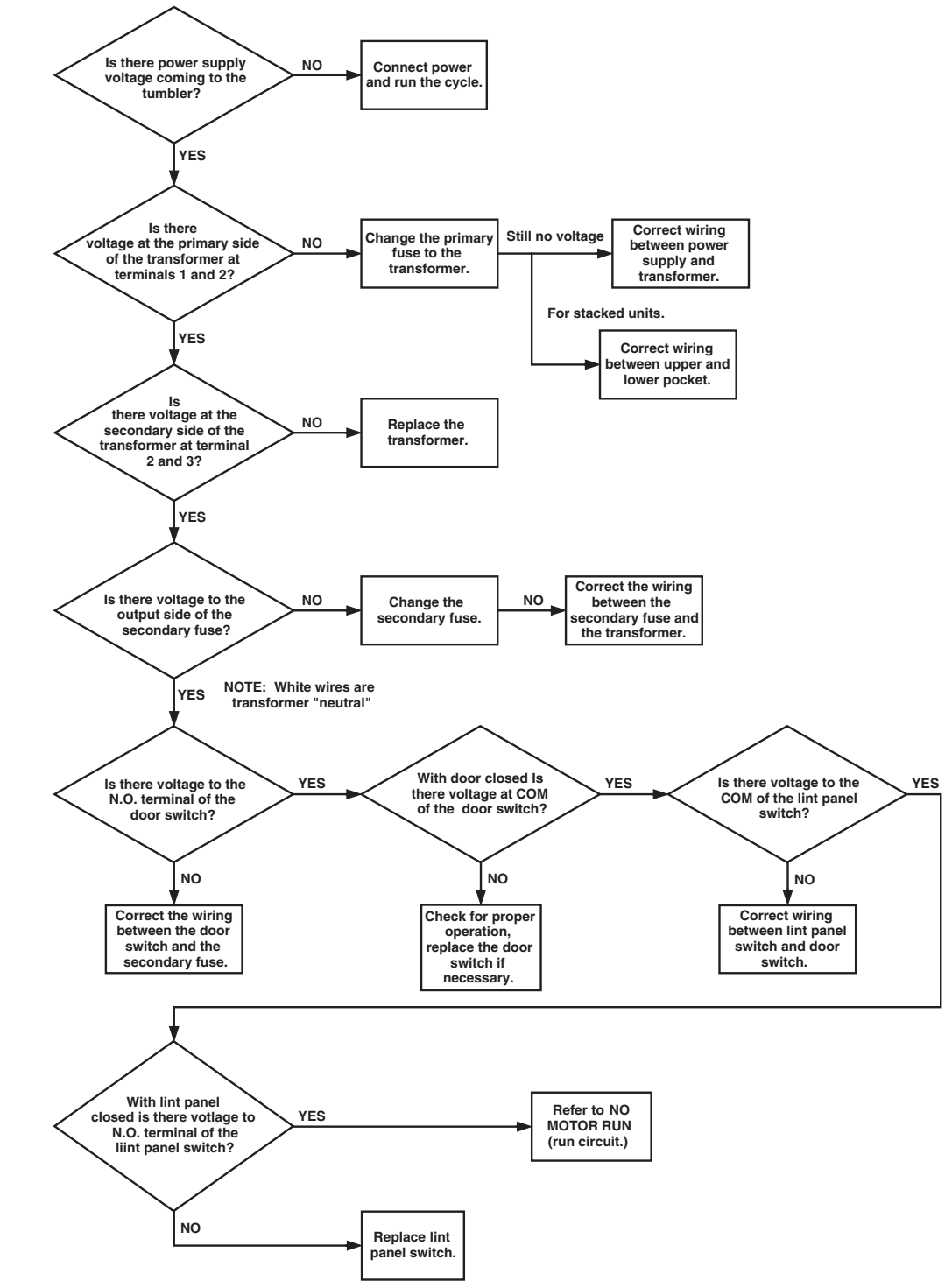
24. Control Display – No Visible Display – Power On



T025D

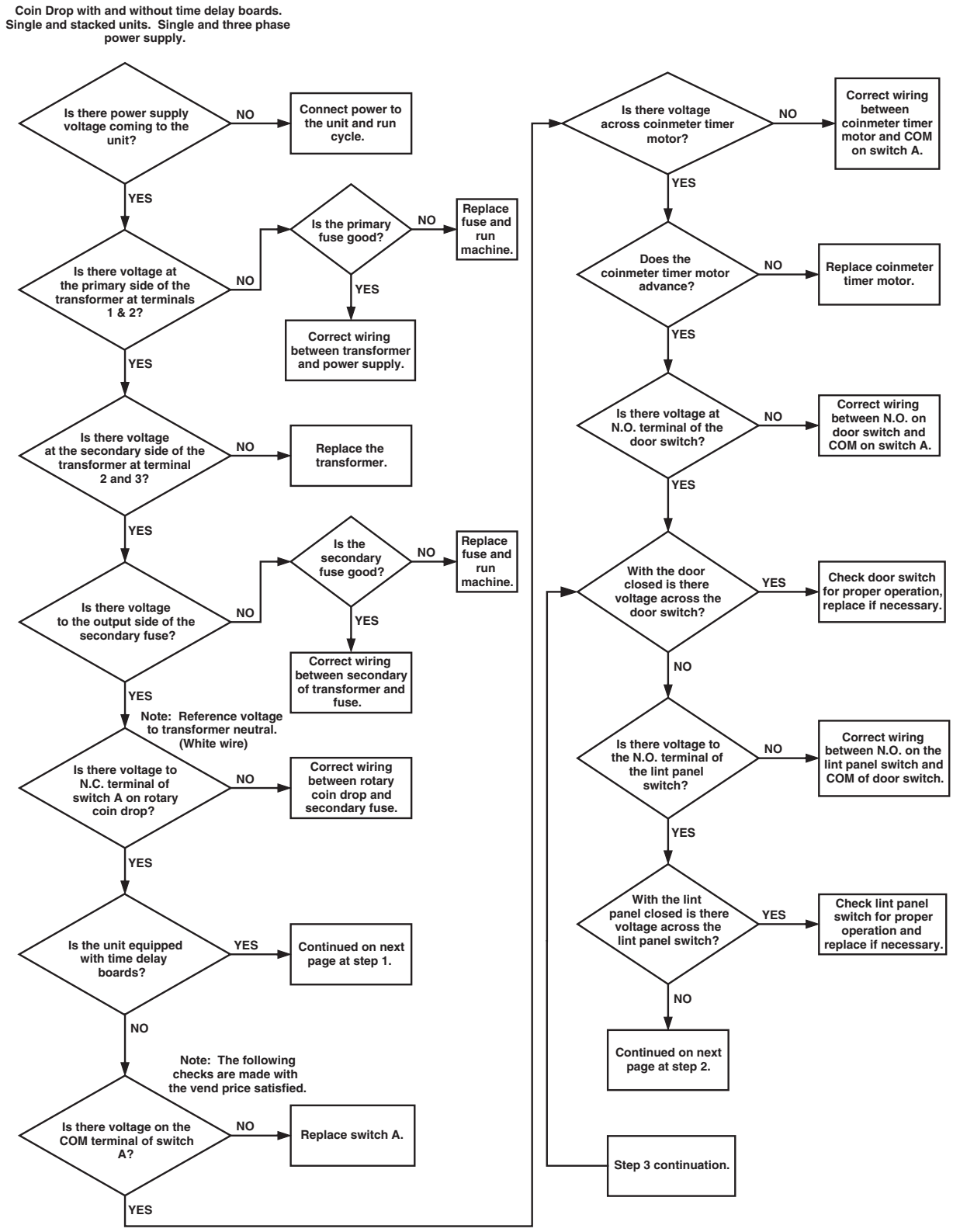
25. Will Not Start – Electric – Manual Timer

Manual Timer, with and without time delay board. Single and stacked units. Single and three phase power supply.



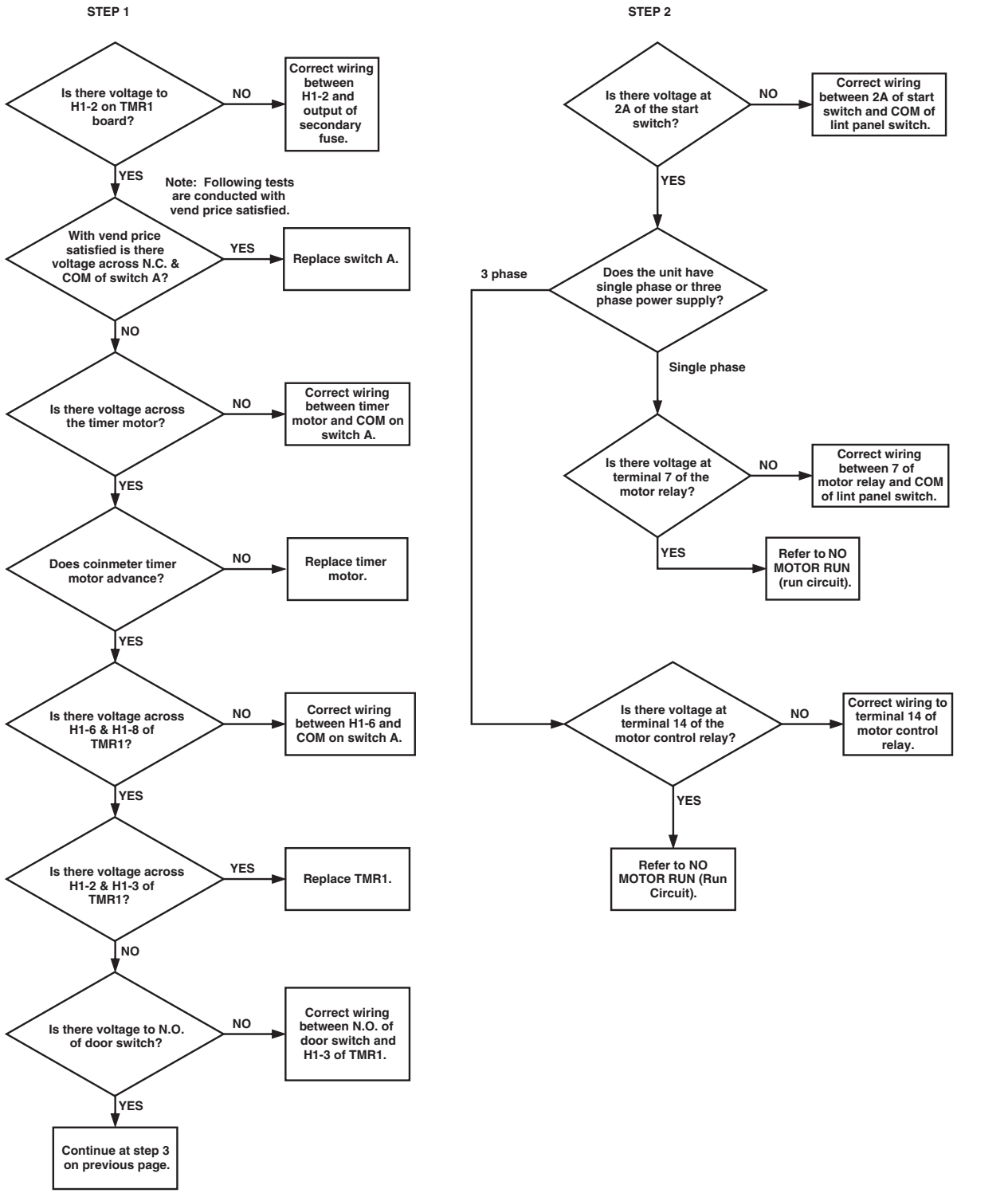
T050D

26. Will Not Start – Electric – Rotary Coin Drop



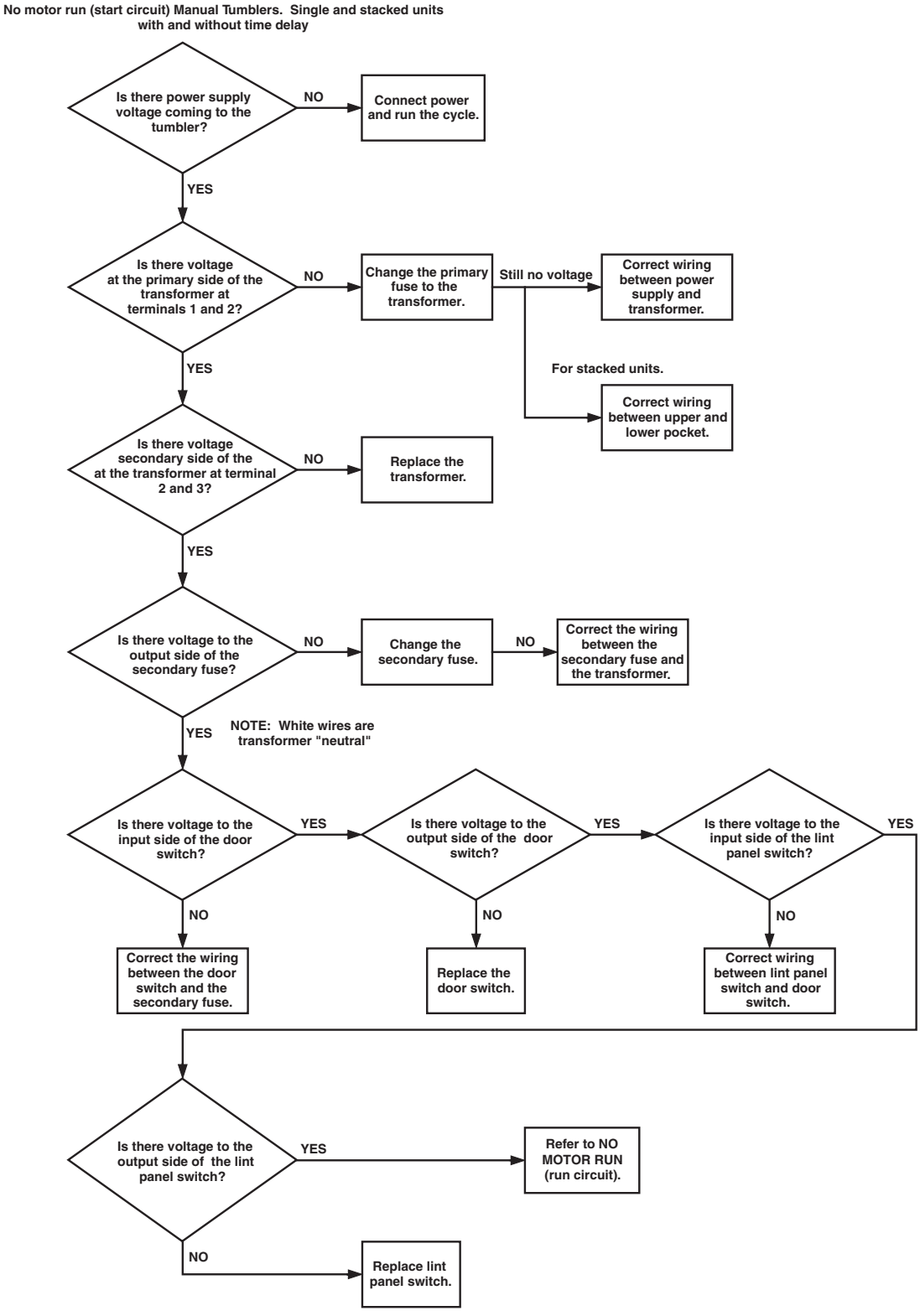
T075D

26. Will Not Start – Electric – Rotary Coin Drop (continued)



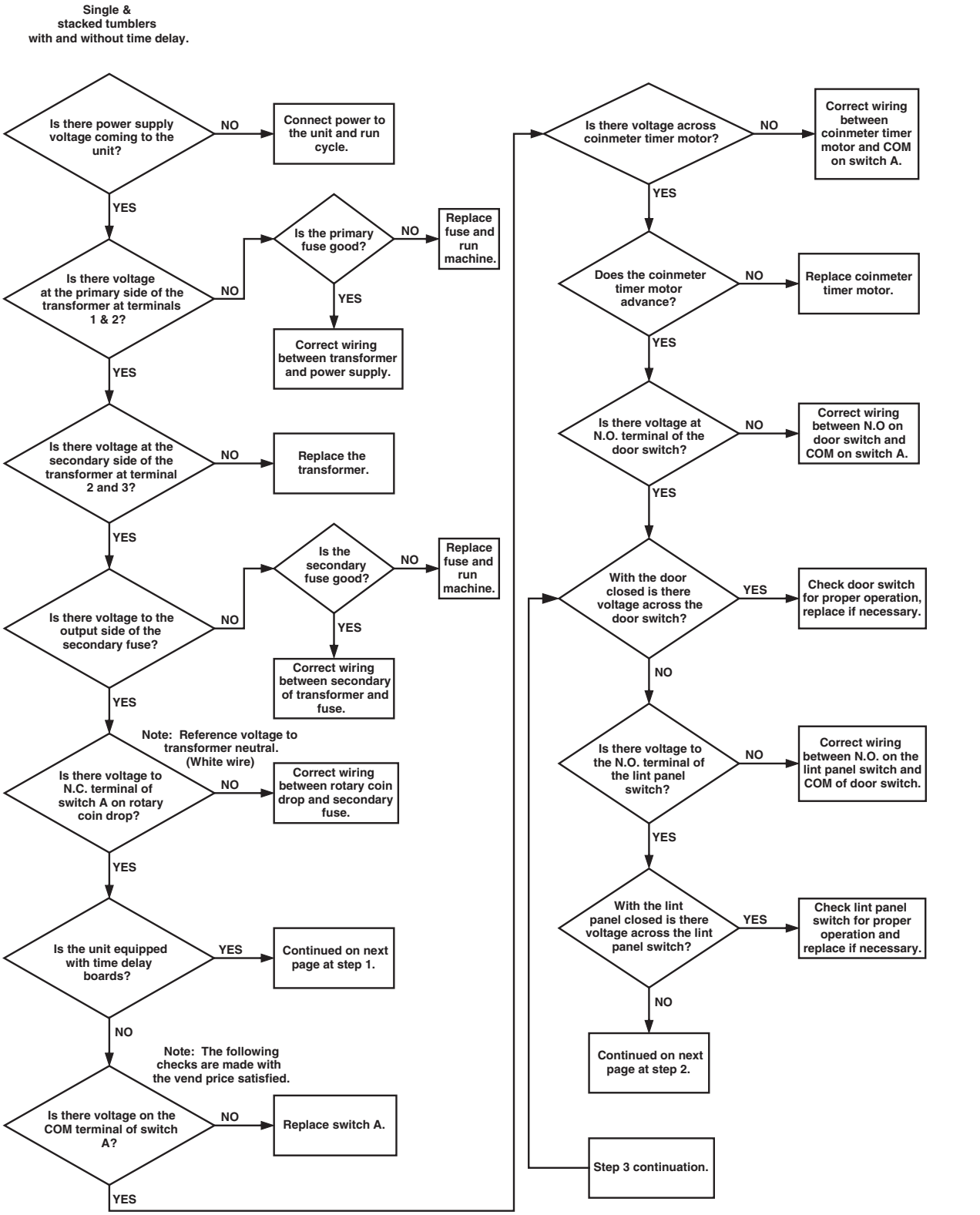
T076D

27. Will Not Start – Gas – Manual Timer



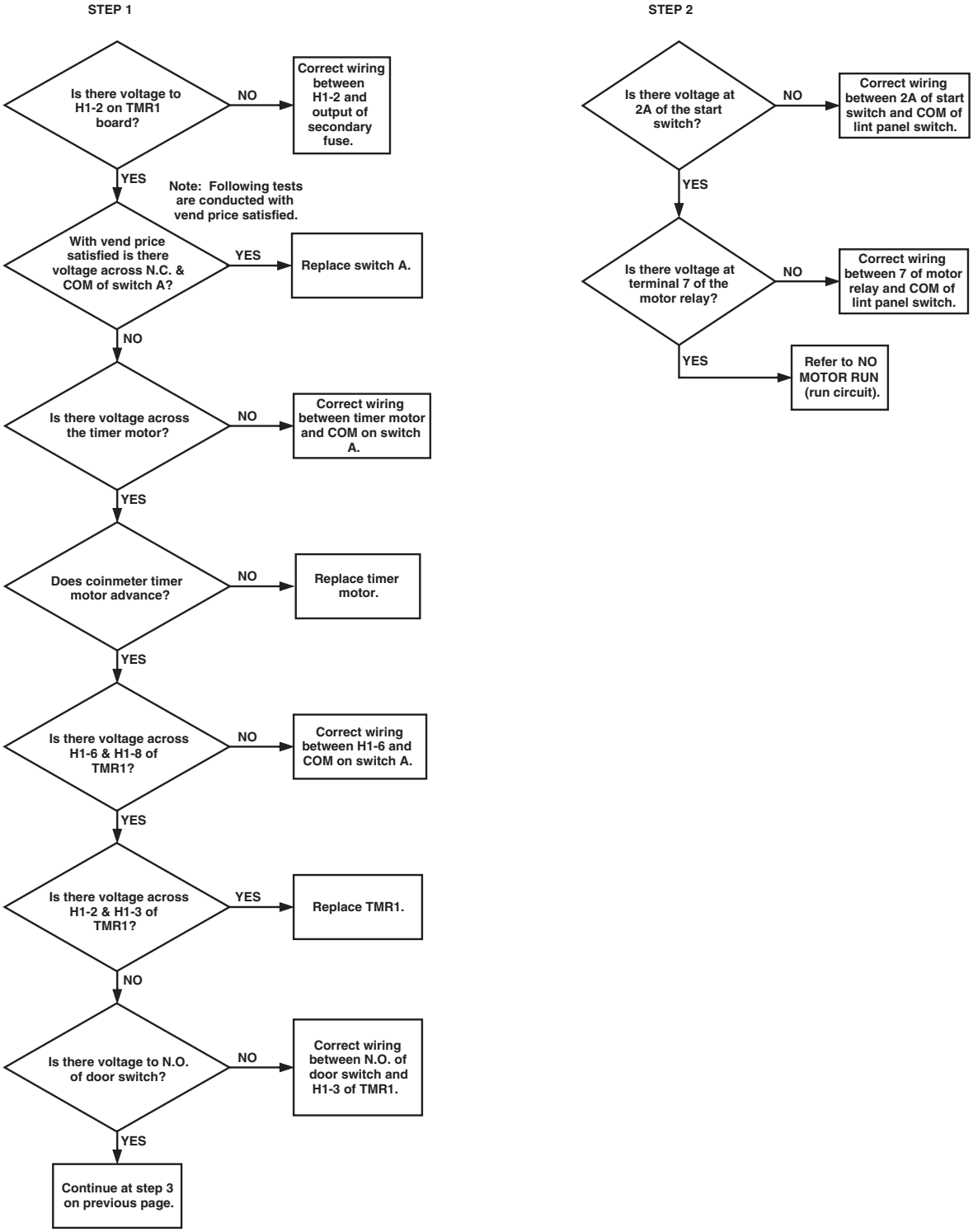
T041D

28. Will Not Start – Gas – Rotary Coin Drop



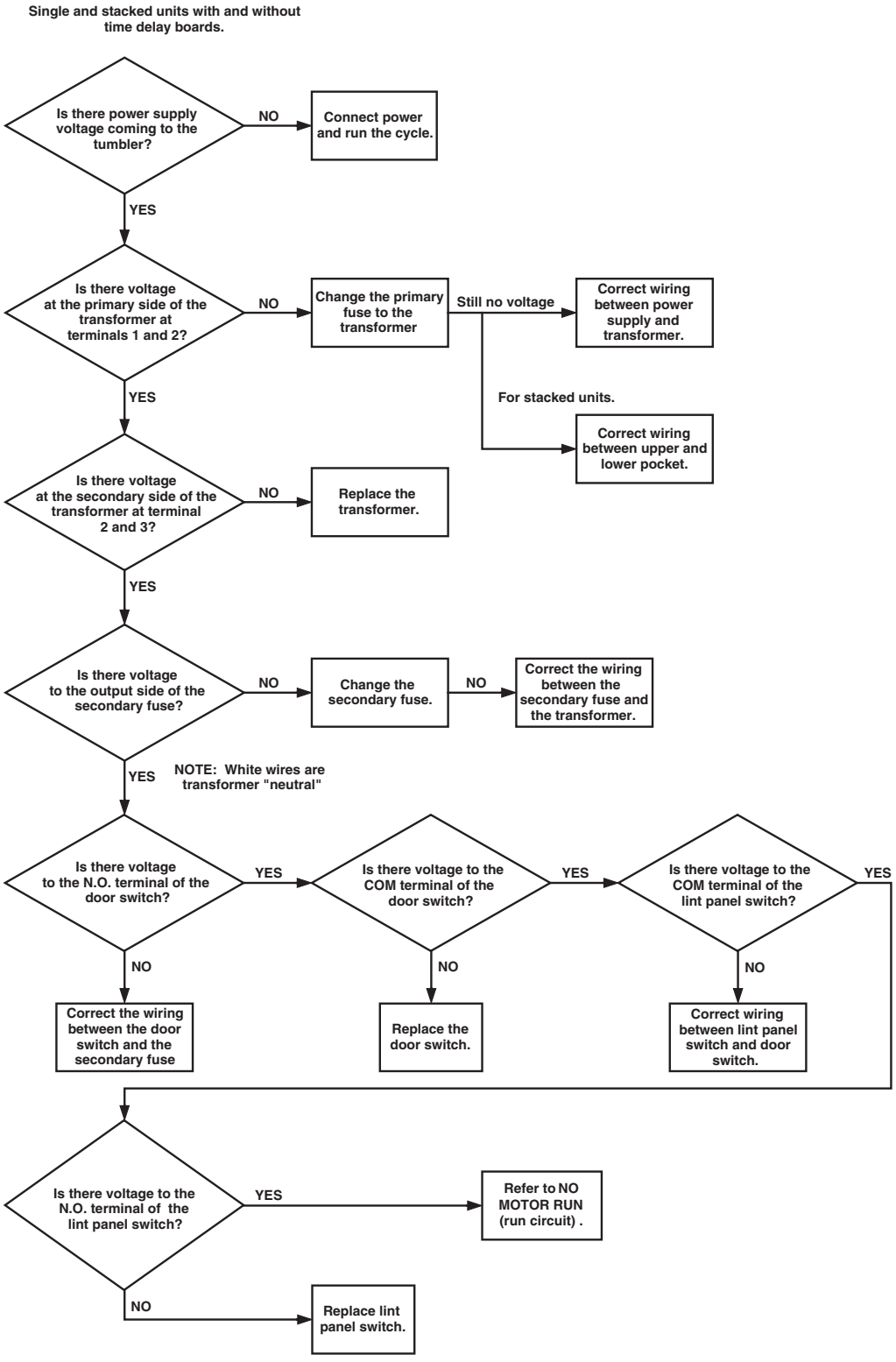
T086D

28. Will Not Start – Gas – Rotary Coin Drop (continued)



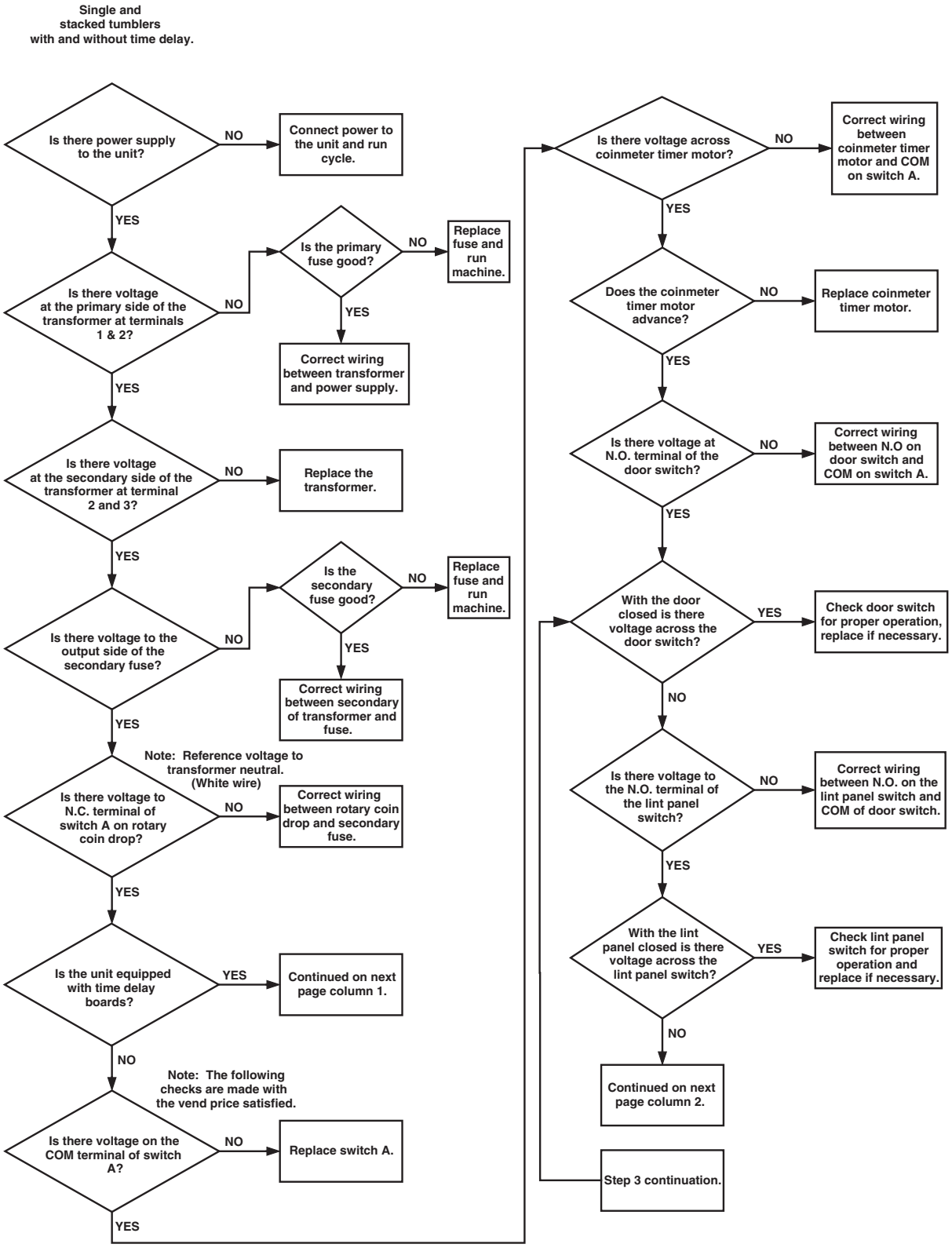
T087D

29. Will Not Start – Steam – Manual Timer



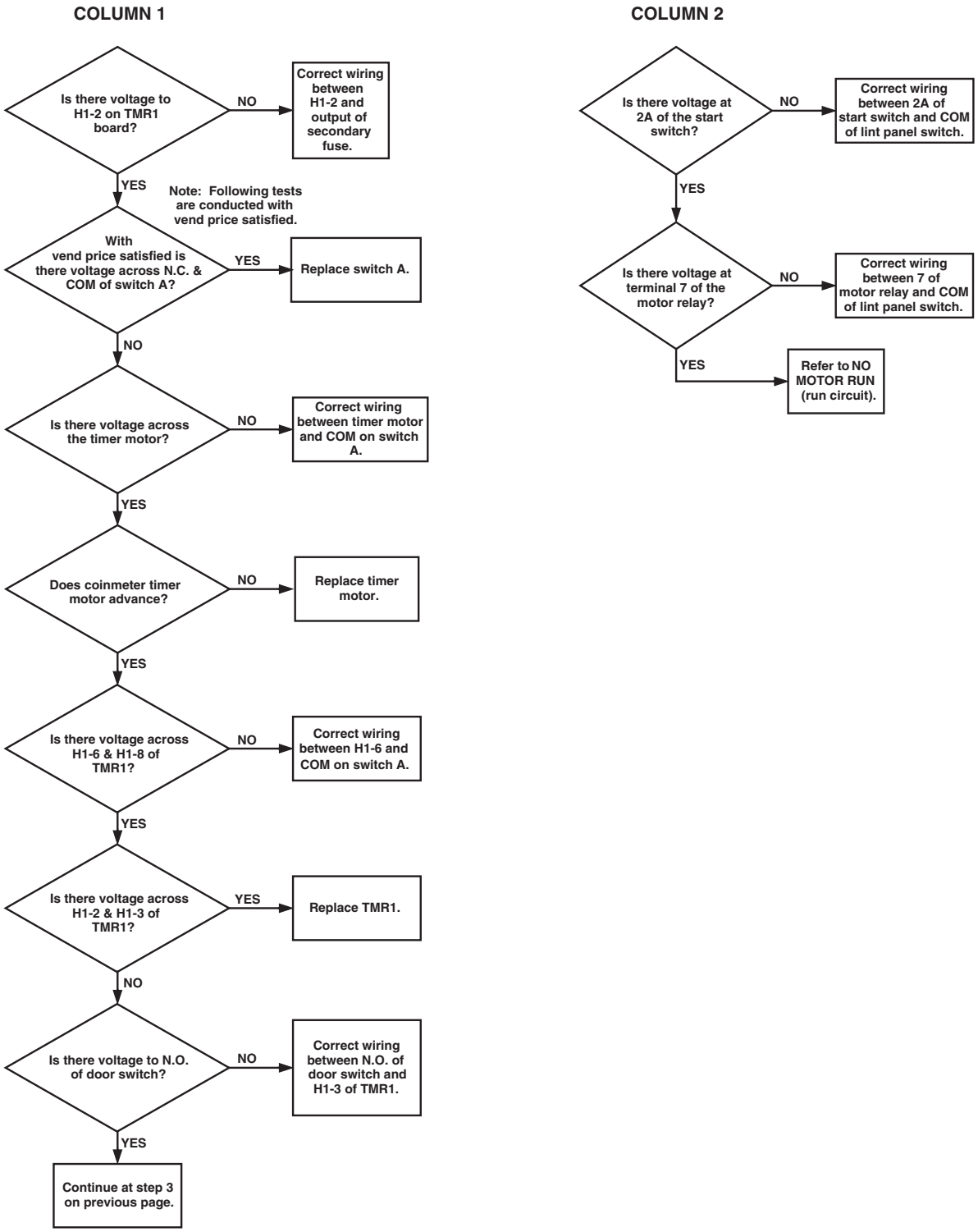
T016D

30. Will Not Start – Steam – Rotary Coin Drop



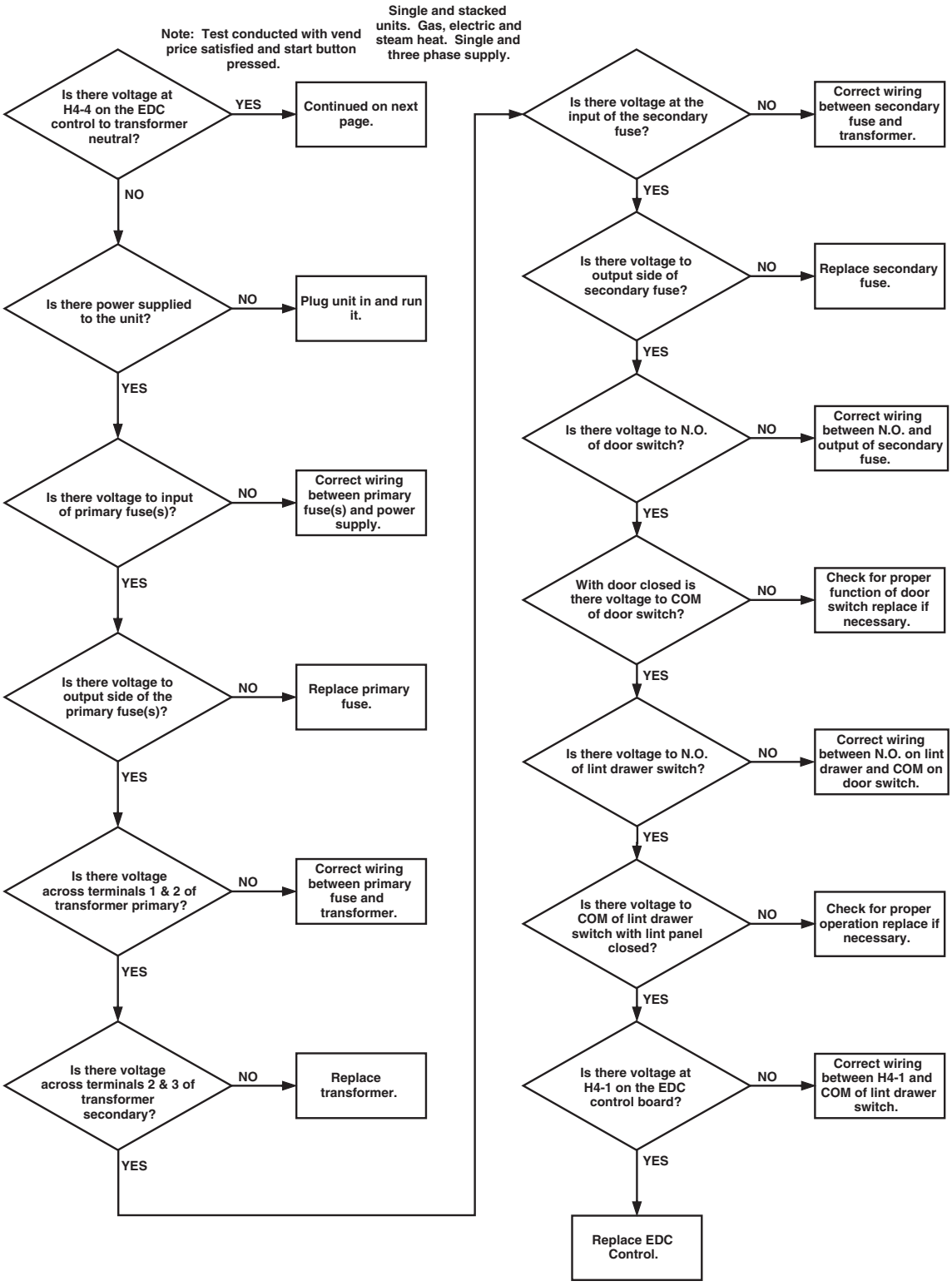
T062D

30. Will Not Start – Steam – Rotary Coin Drop (continued)



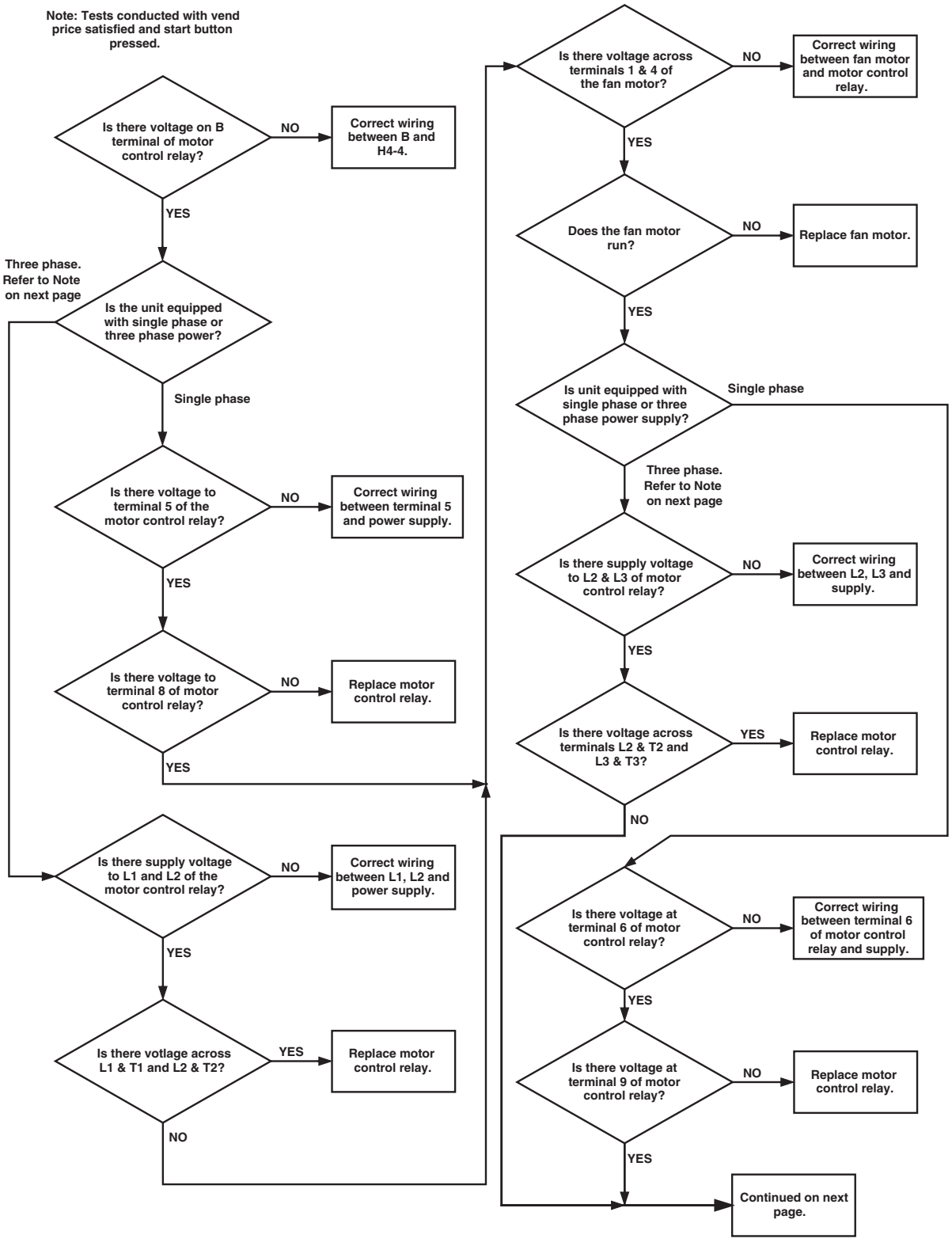
T063D

31. Will Not Start/Continue Running – EDC Control



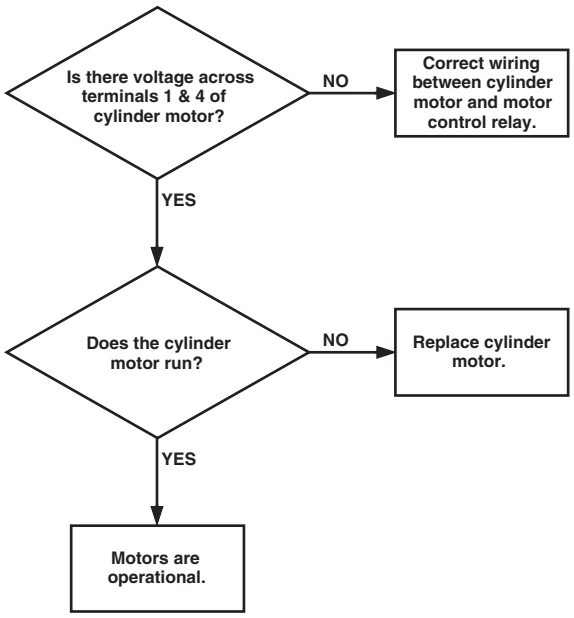
T029D

31. Will Not Start/Continue Running – EDC Control (continued)



T030D

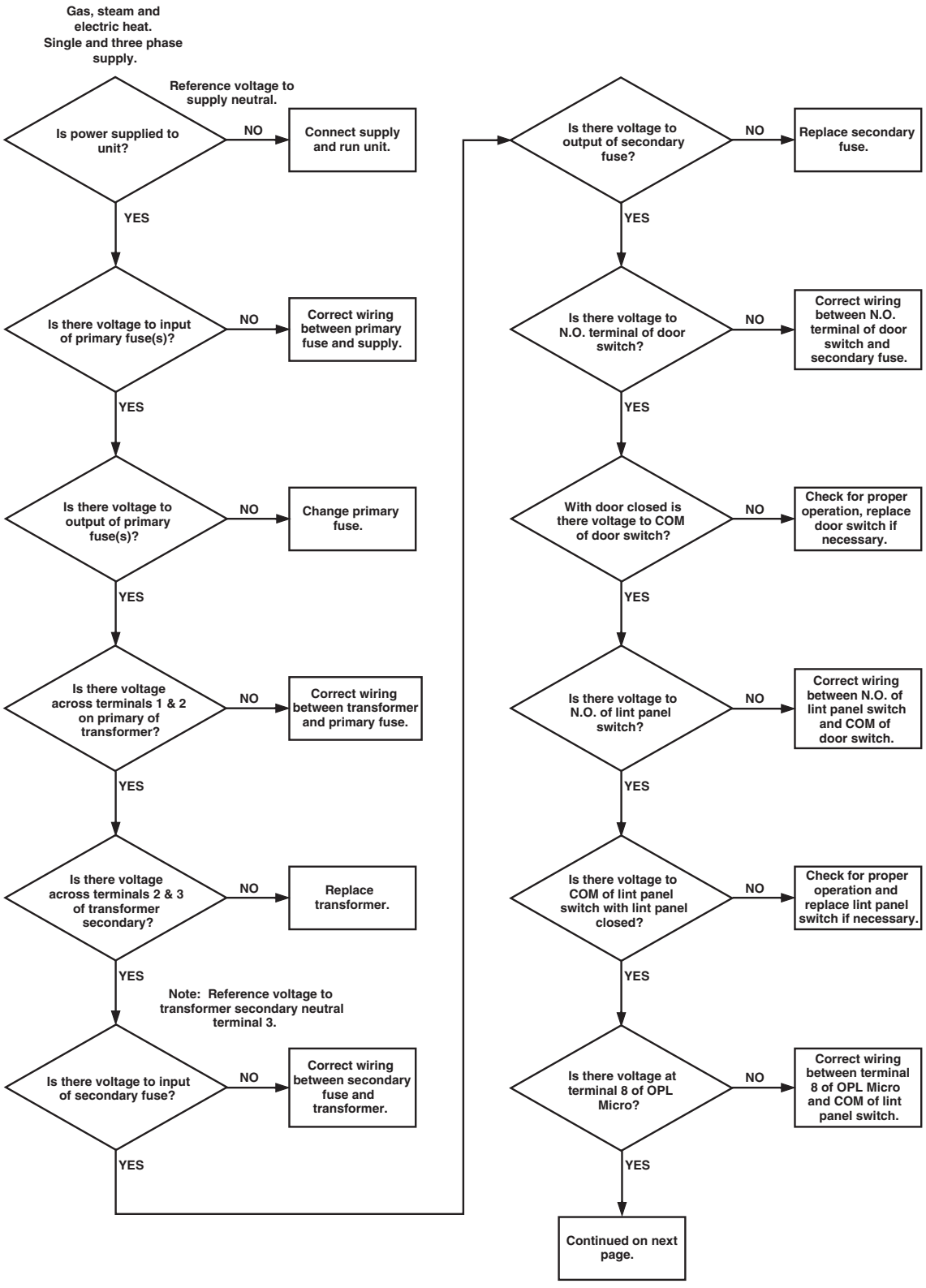
31. Will Not Start/Continue Running – EDC Control (continued)



Note: For high voltage three phase supply (380 volts or higher), the cylinder and fan motors are supplied by L1, L2, L3 through the motor relay terminals T1, T2, T3. Make the appropriate adjustments when doing voltage checks.

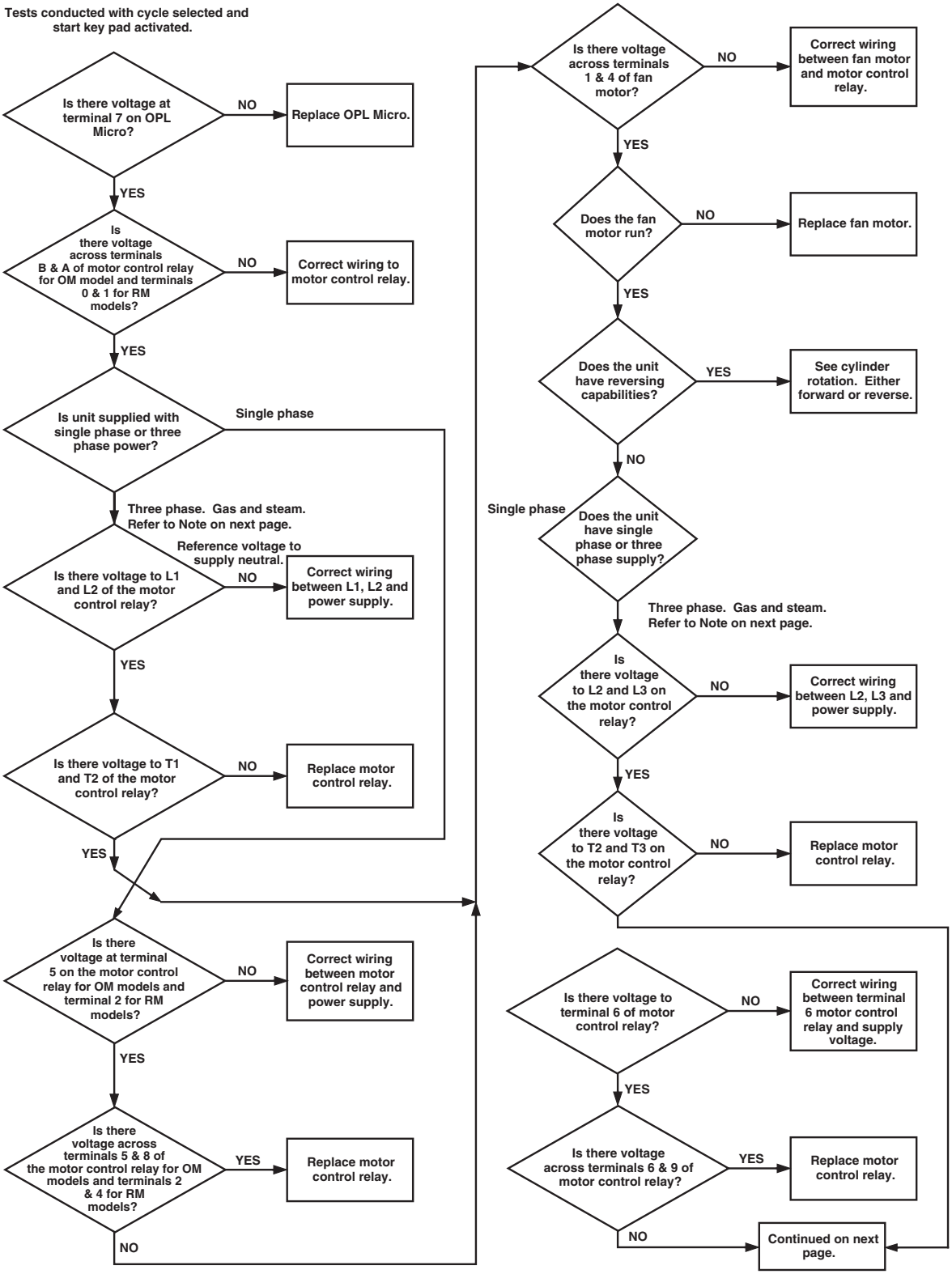
T031D

32. Will Not Start/Continue Running – OPL Microprocessor Control



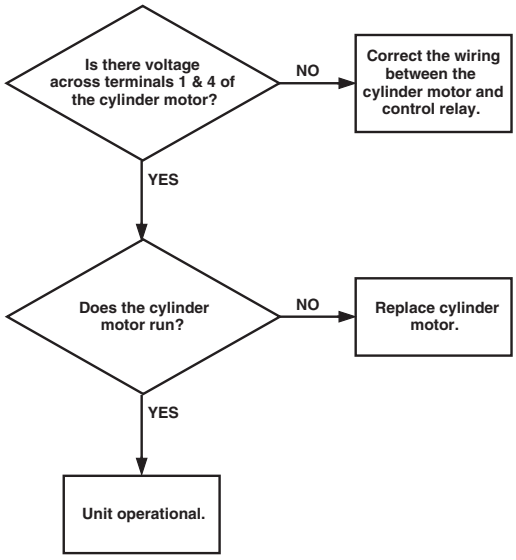
T099D

32. Will Not Start/Continue Running – OPL Microprocessor Control (continued)



TMB1824S

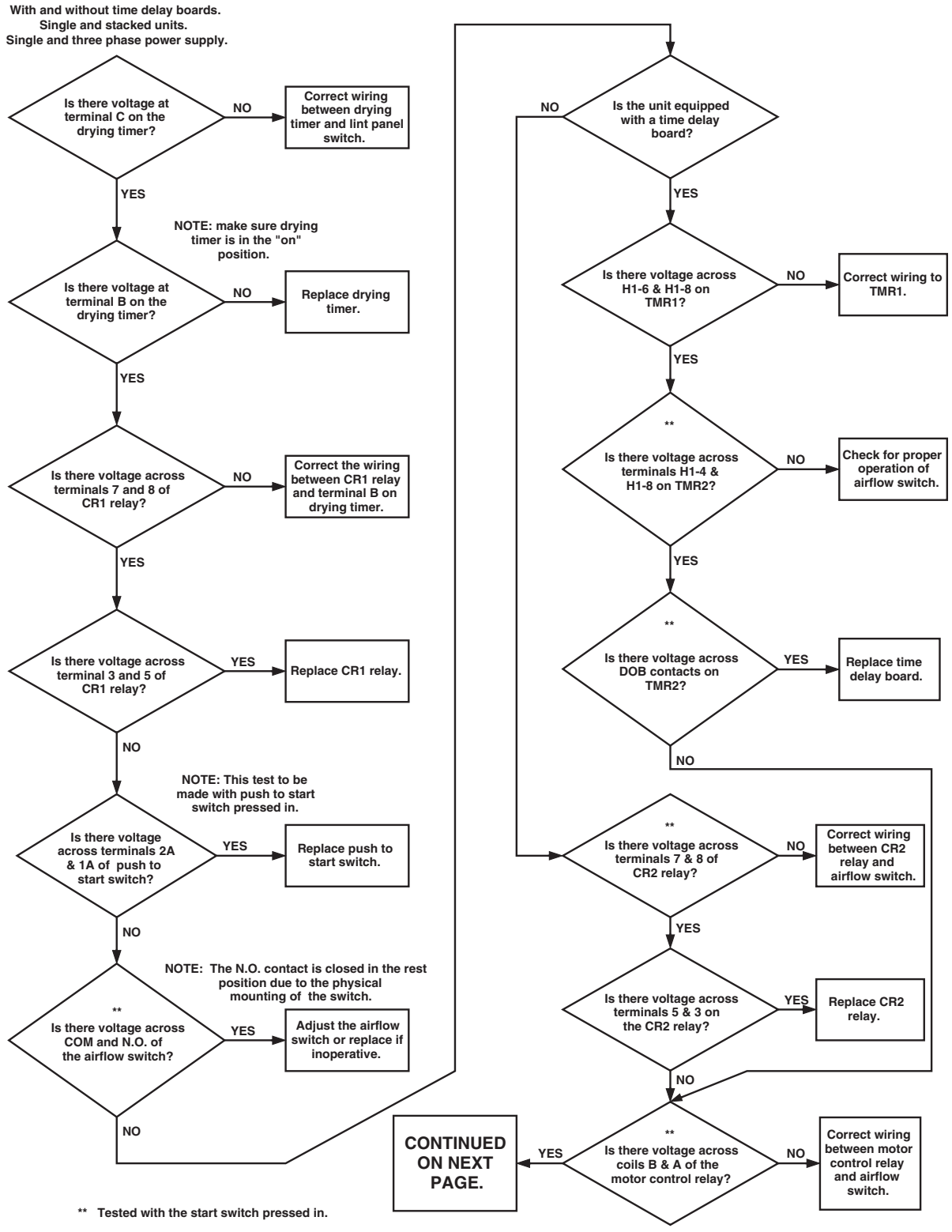
32. Will Not Start/Continue Running – OPL Microprocessor Control (continued)



NOTE: For three phase high voltage (380 volts or higher), the cylinder and fan motors are supplied L1, L2, L3 through the motor relay terminals T1, T2, T3. Make the appropriate voltage checks while doing trouble shooting.

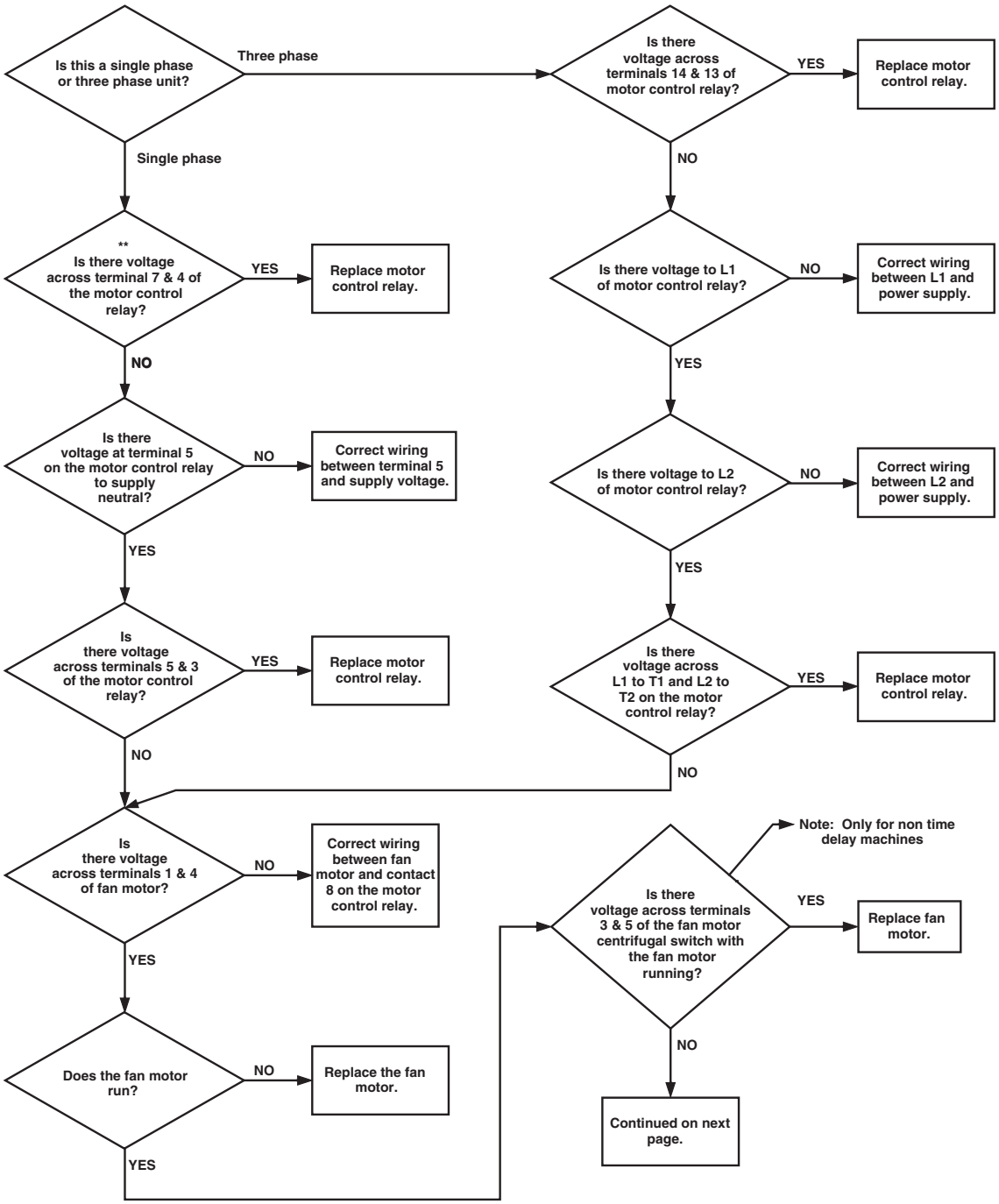
T009D

33. Will Not Run – Electric – Manual Timer



T051D

33. Will Not Run – Electric – Manual Timer (continued)



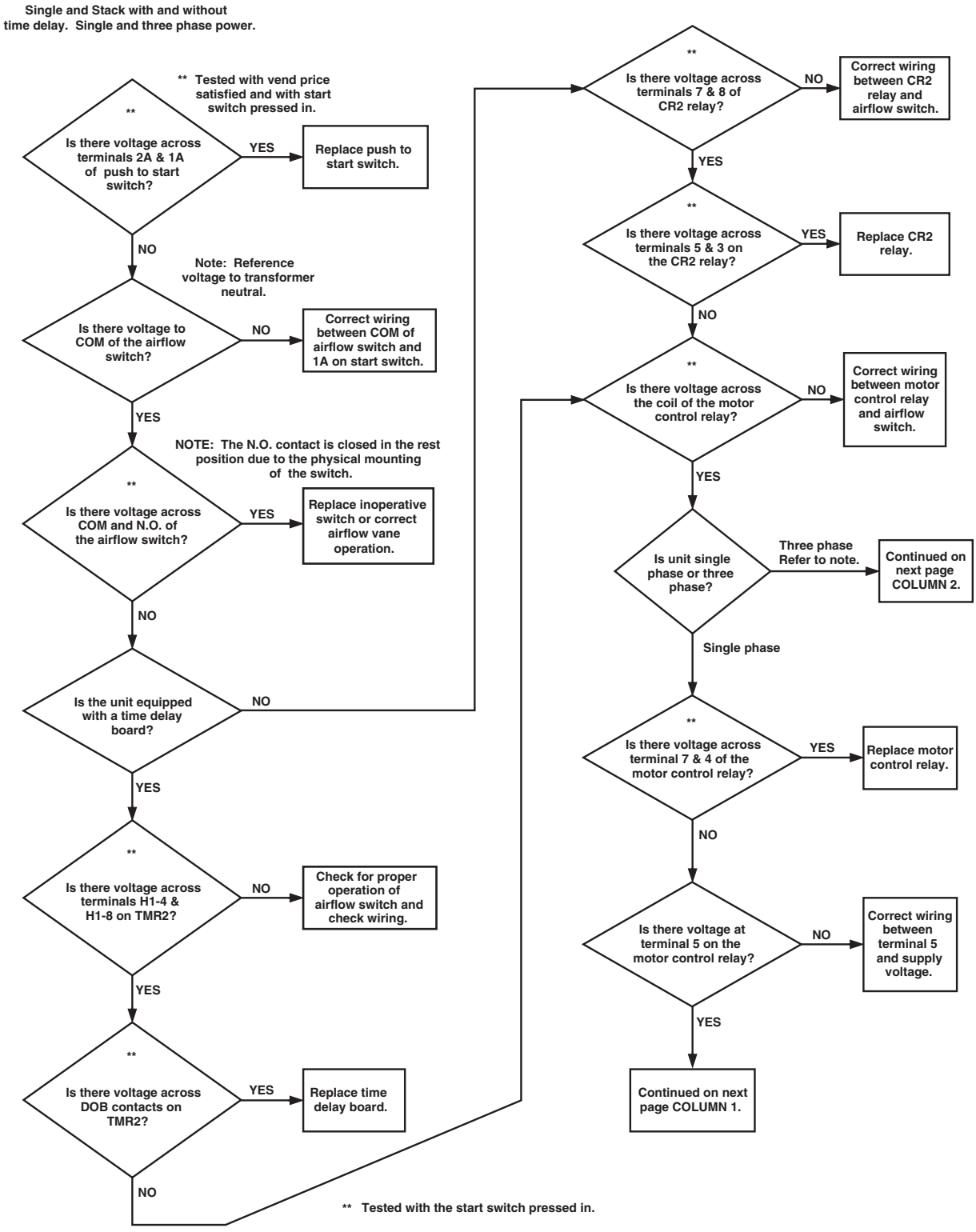
** Tested with the start switch pressed in.

TMB1825S

33. Will Not Run – Electric – Manual Timer (continued)

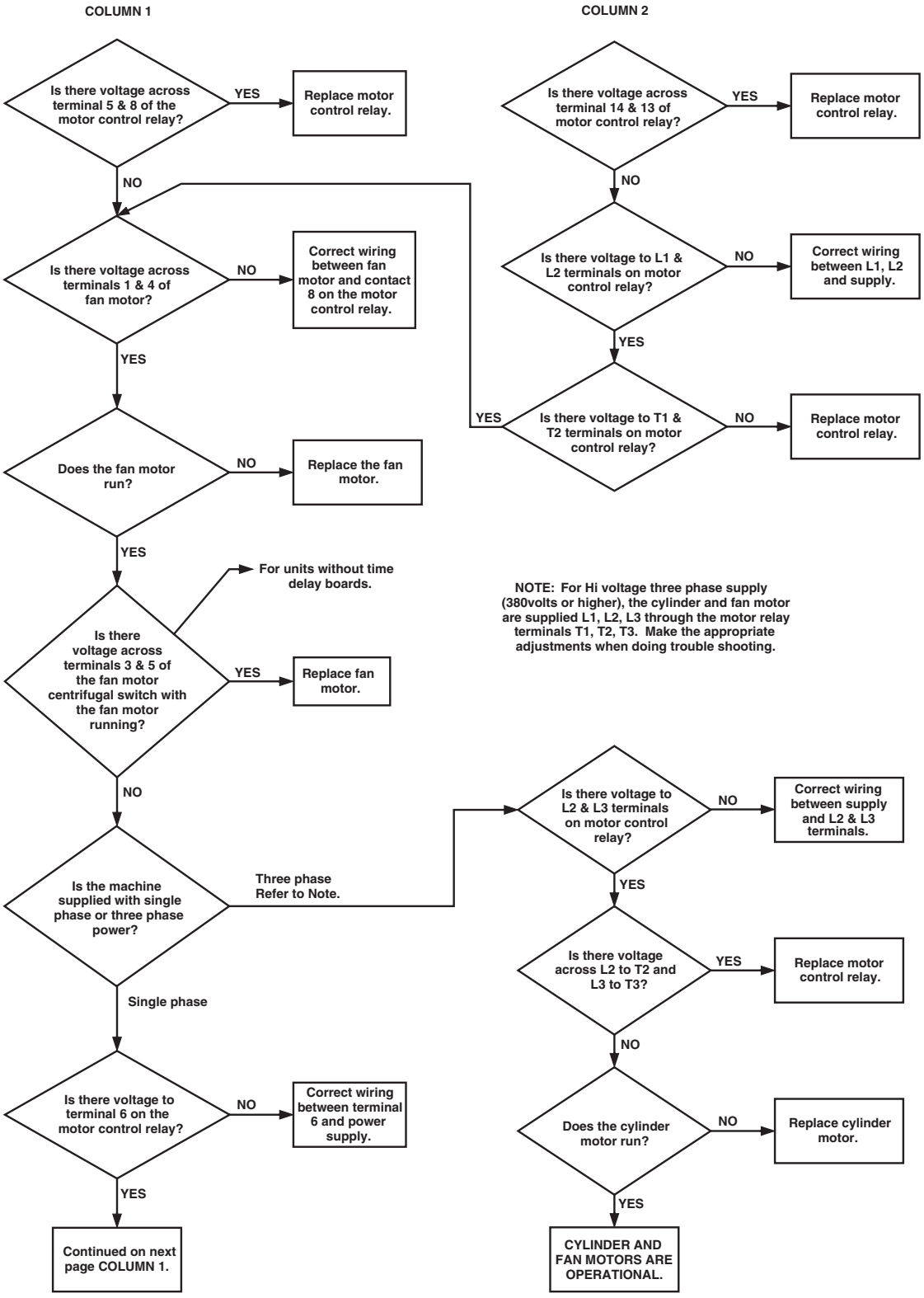
T053D

34. Will Not Run – Electric – Rotary Coin Drop



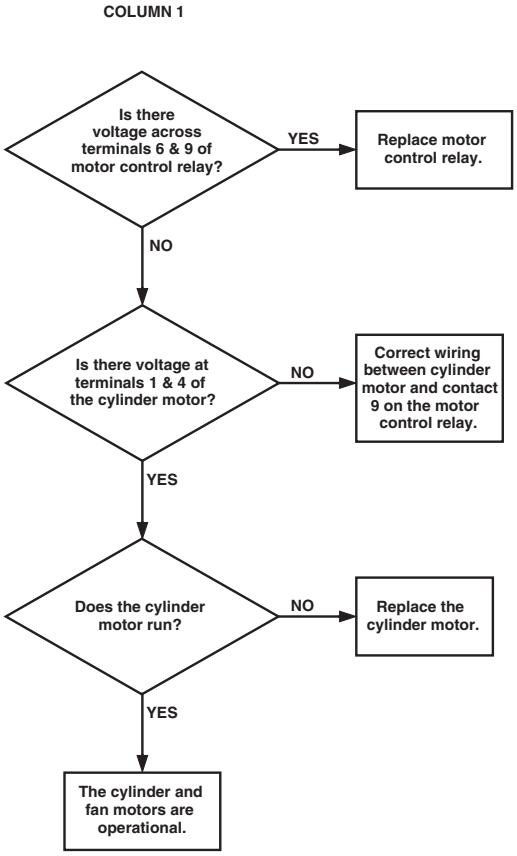
T072D

34. Will Not Run – Electric – Rotary Coin Drop (continued)



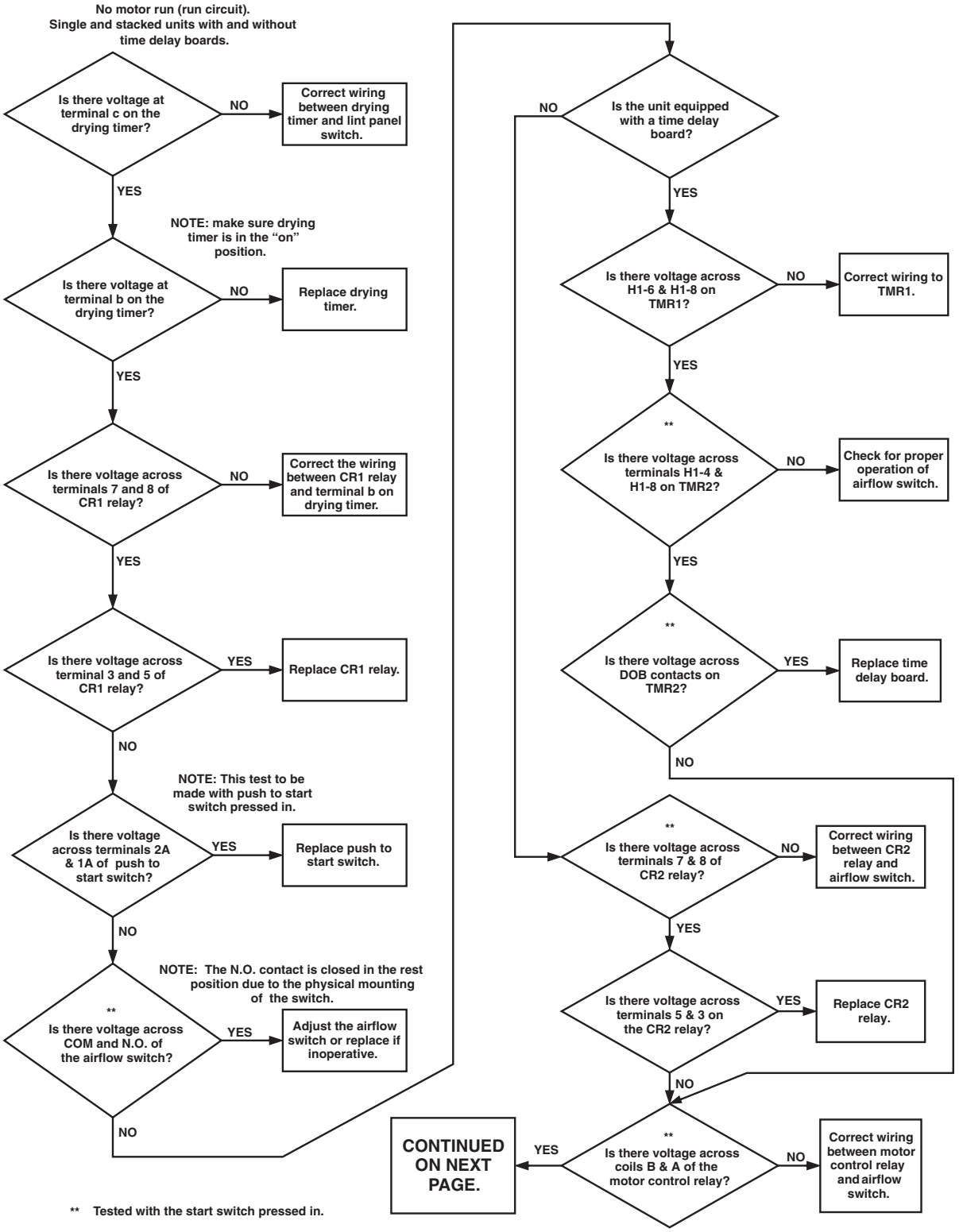
T073D

34. Will Not Run – Electric – Rotary Coin Drop (continued)



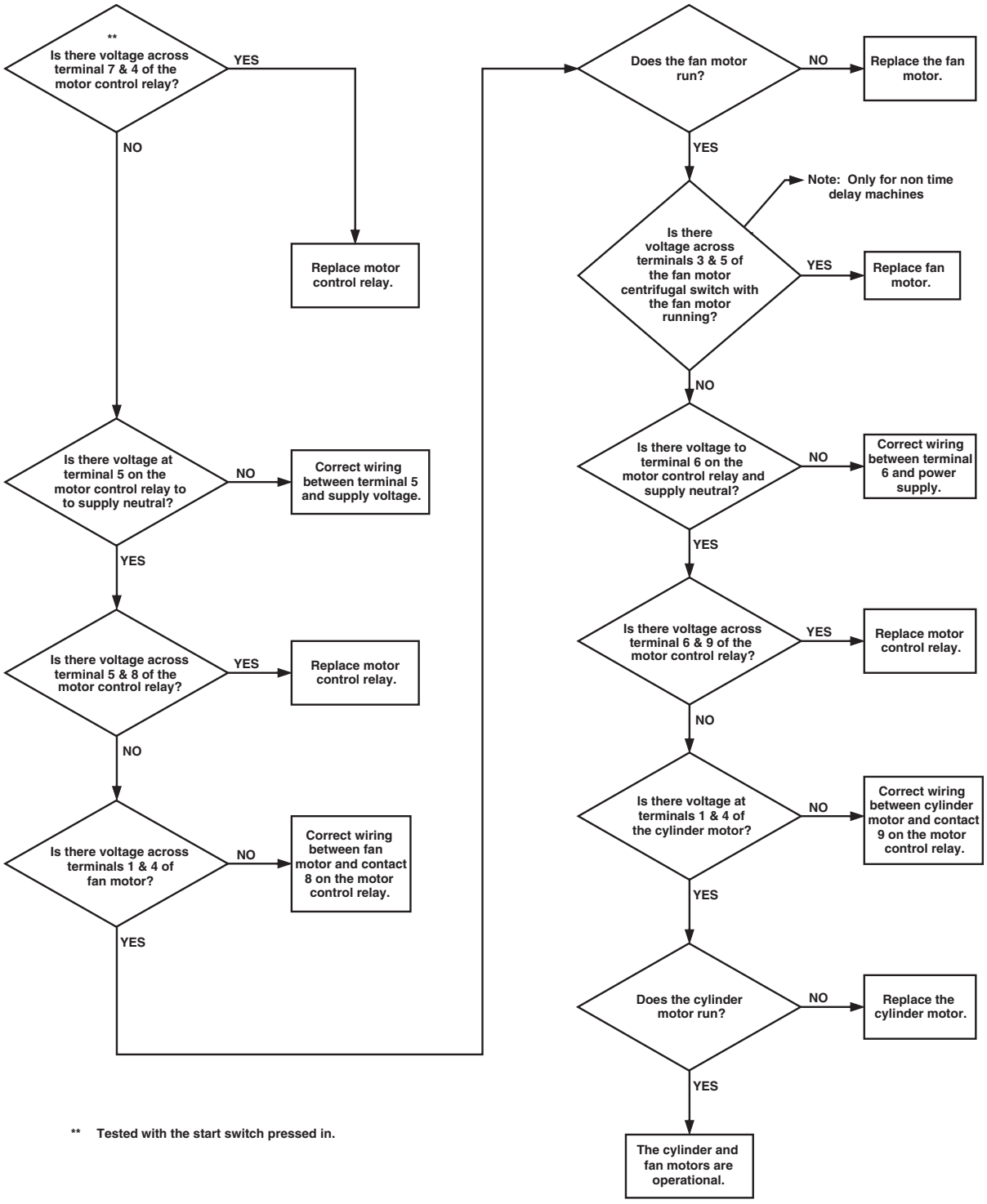
T074D

35. Will Not Run – Gas – Manual Timer



T042D

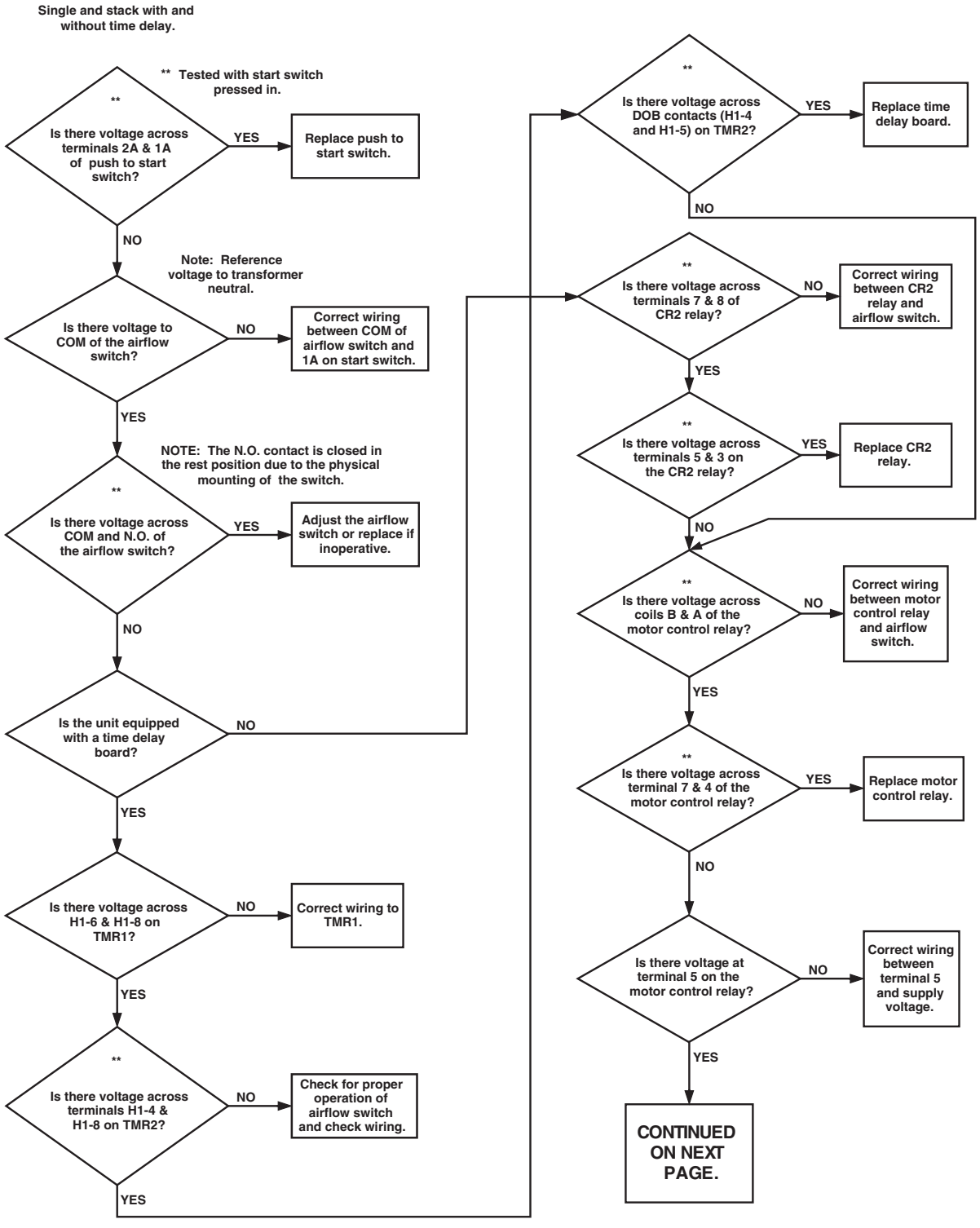
35. Will Not Run – Gas – Manual Timer (continued)



** Tested with the start switch pressed in.

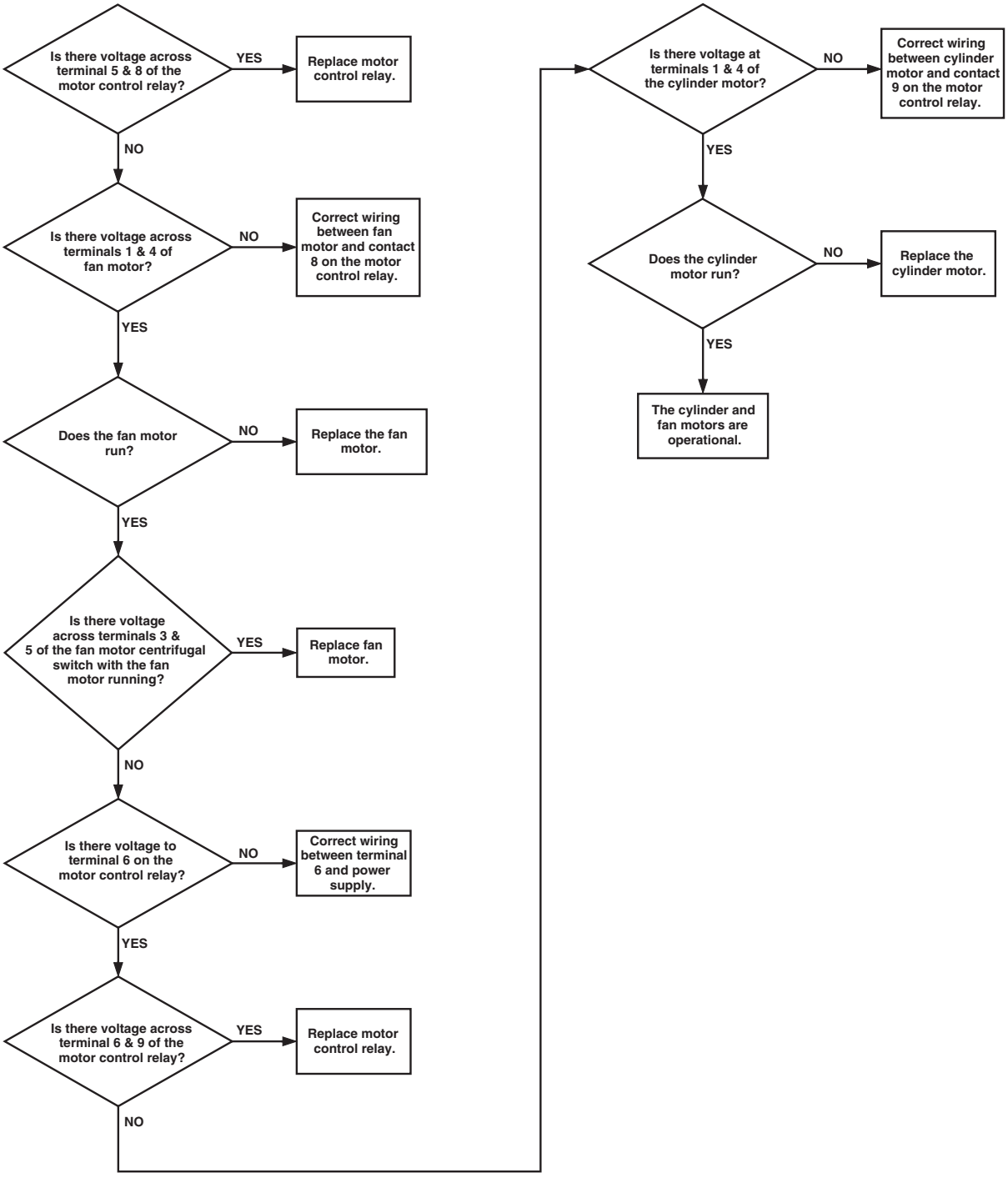
T043D

36. Will Not Run – Gas – Rotary Coin Drop



T088D

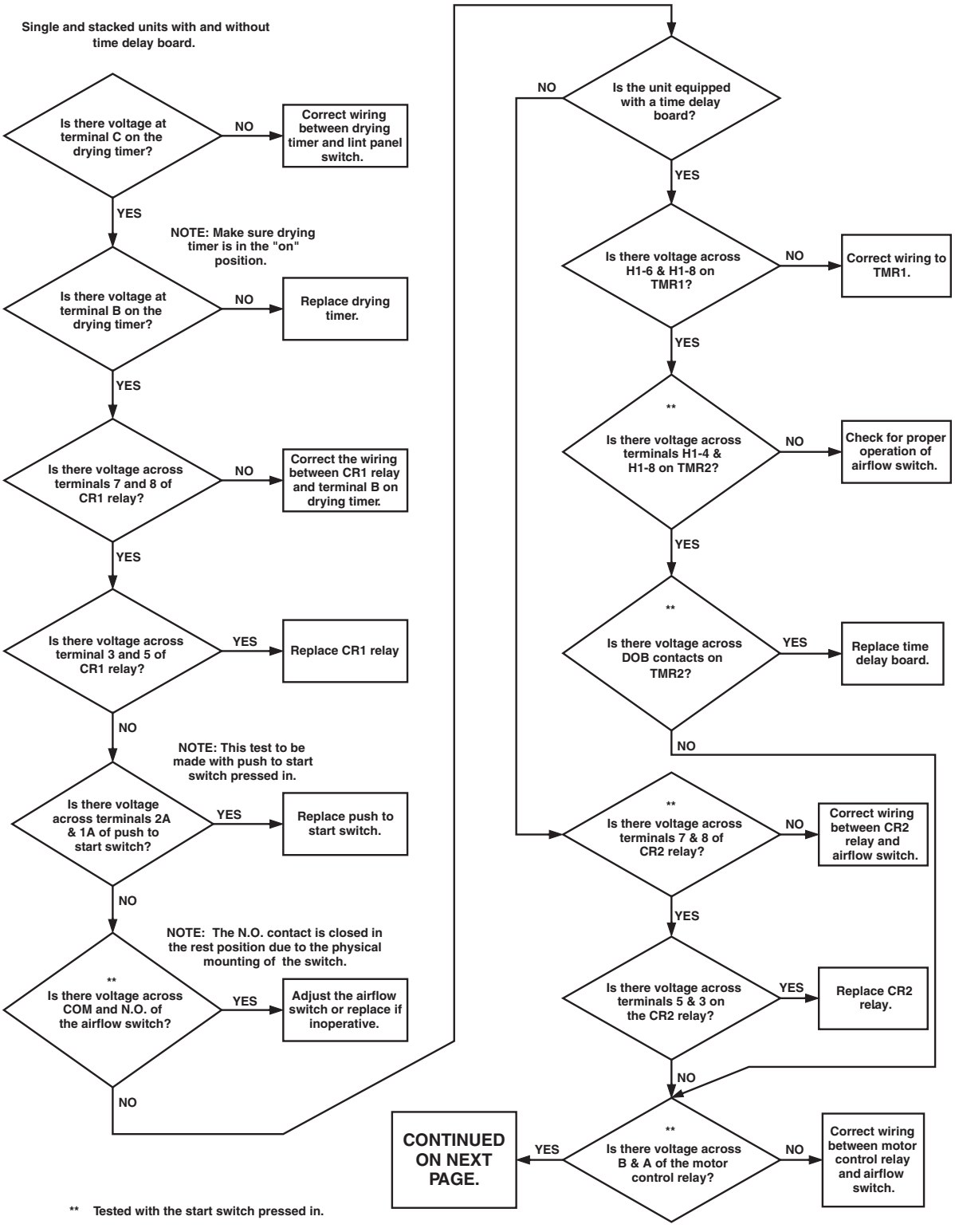
36. Will Not Run – Gas – Rotary Coin Drop (continued)



** Tested with the start switch pressed in.

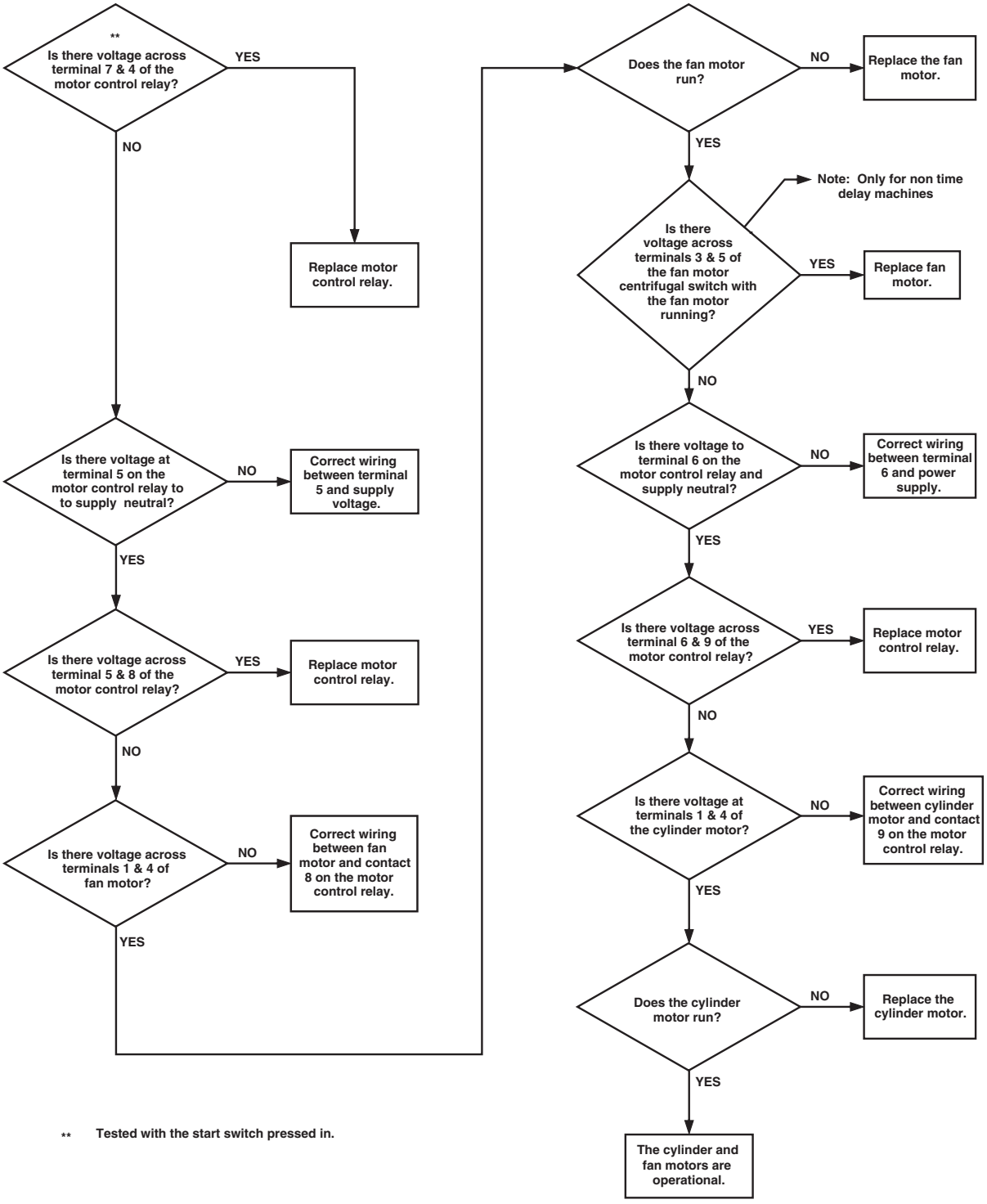
T089D

37. Will Not Run – Steam – Manual Timer



T017D

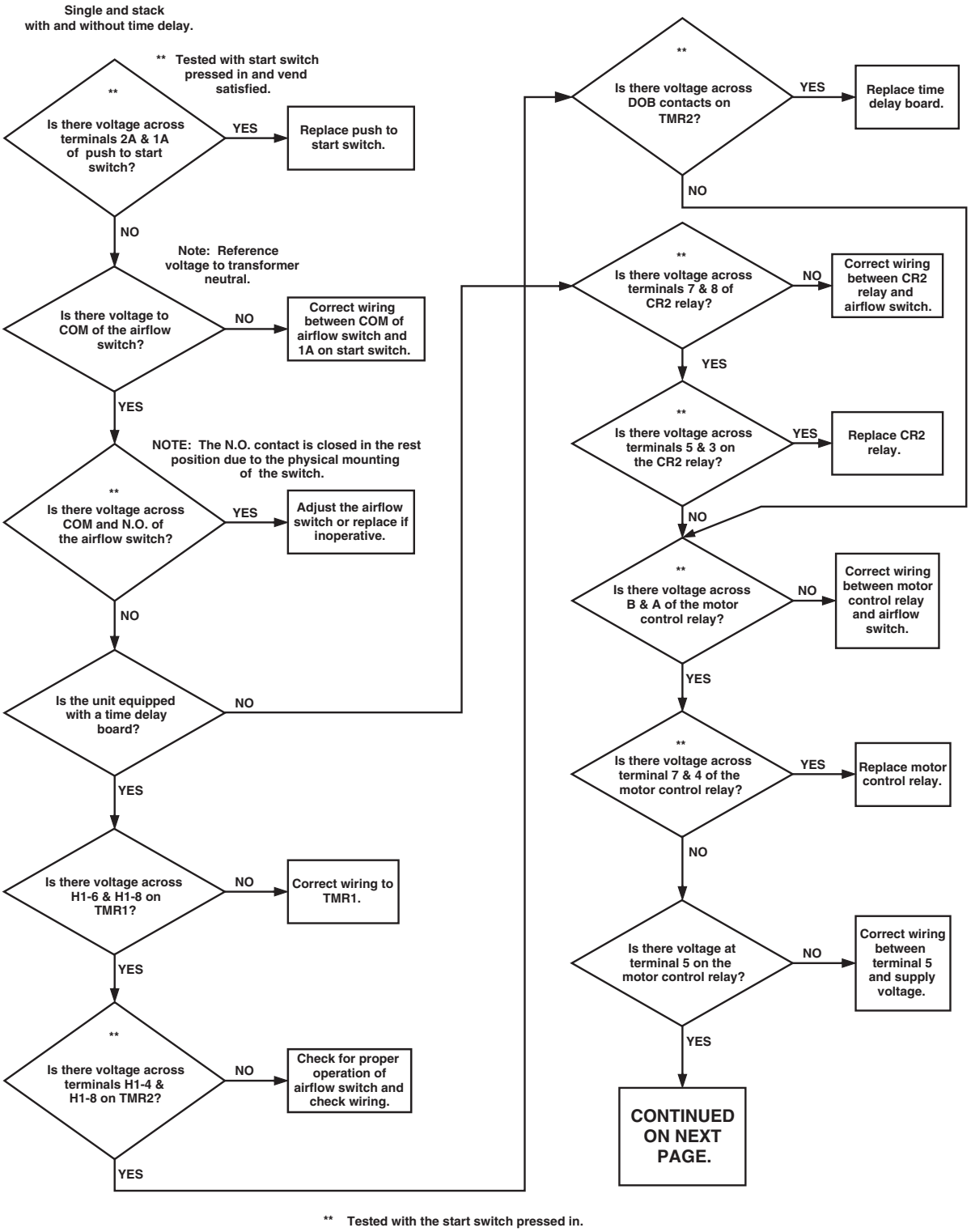
37. Will Not Run – Steam – Manual Timer (continued)



** Tested with the start switch pressed in.

T018D

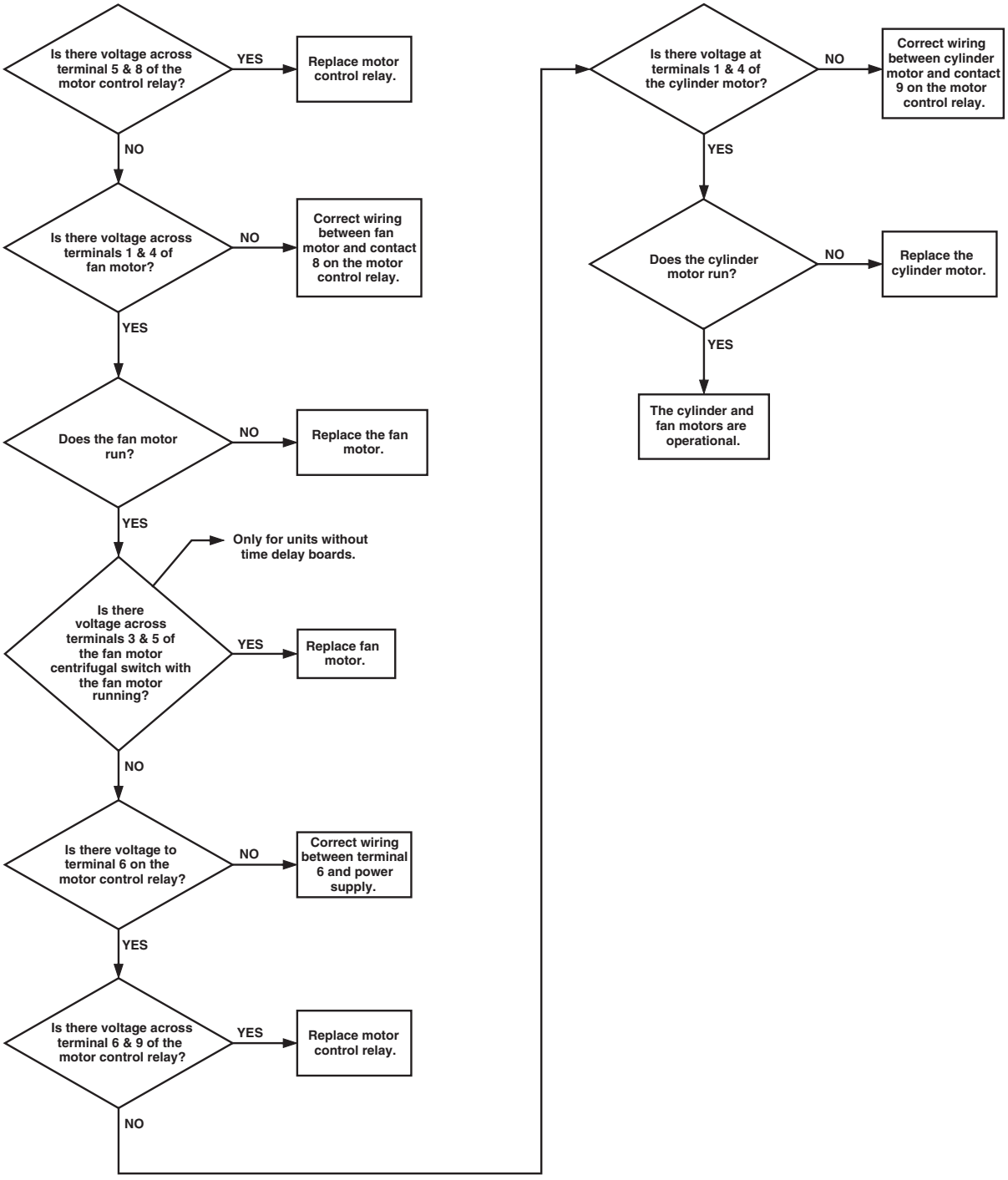
38. Will Not Run – Steam – Rotary Coin Drop



** Tested with the start switch pressed in.

T064D

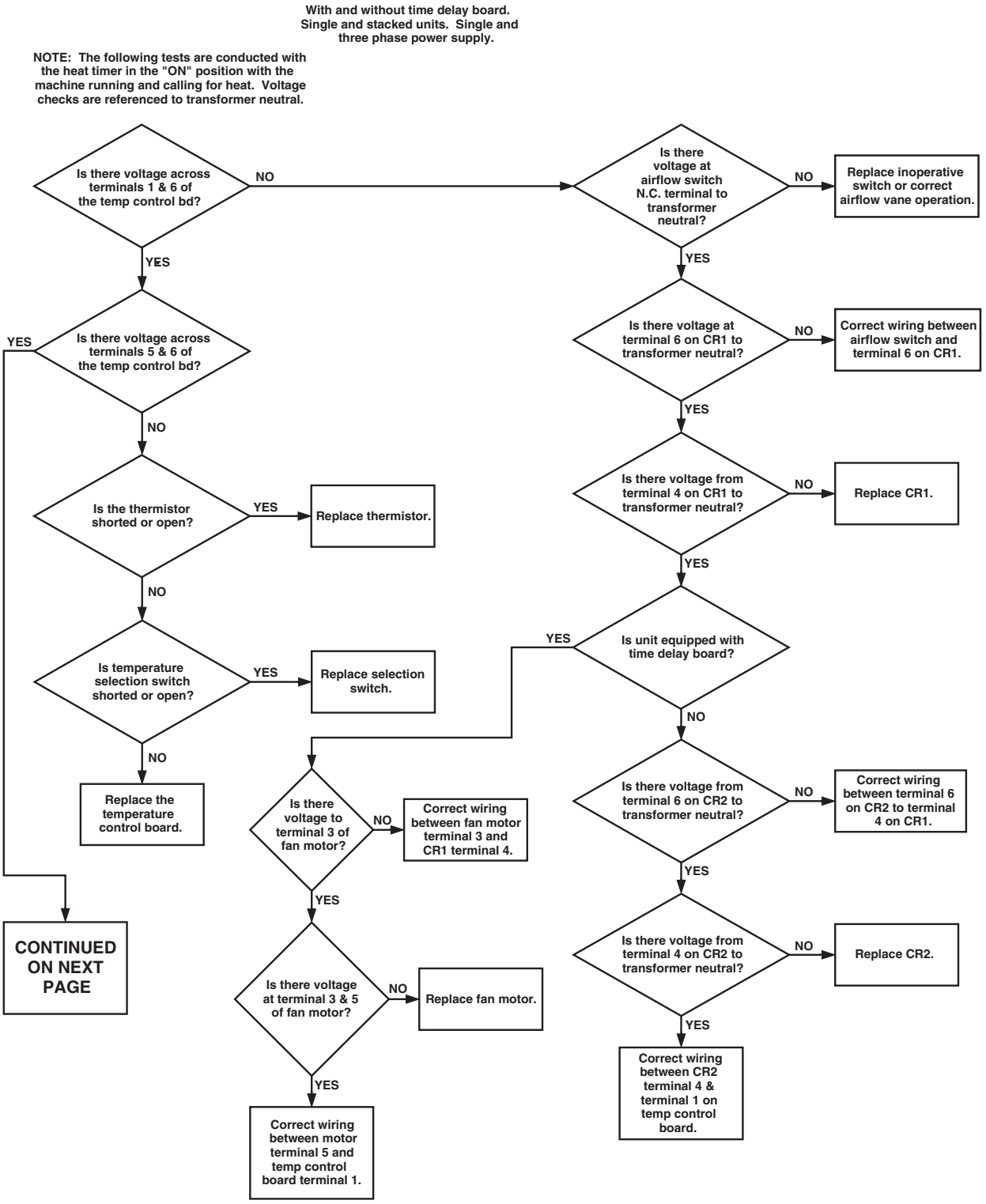
38. Will Not Run – Steam – Rotary Coin Drop (continued)



** Tested with the start switch pressed in.

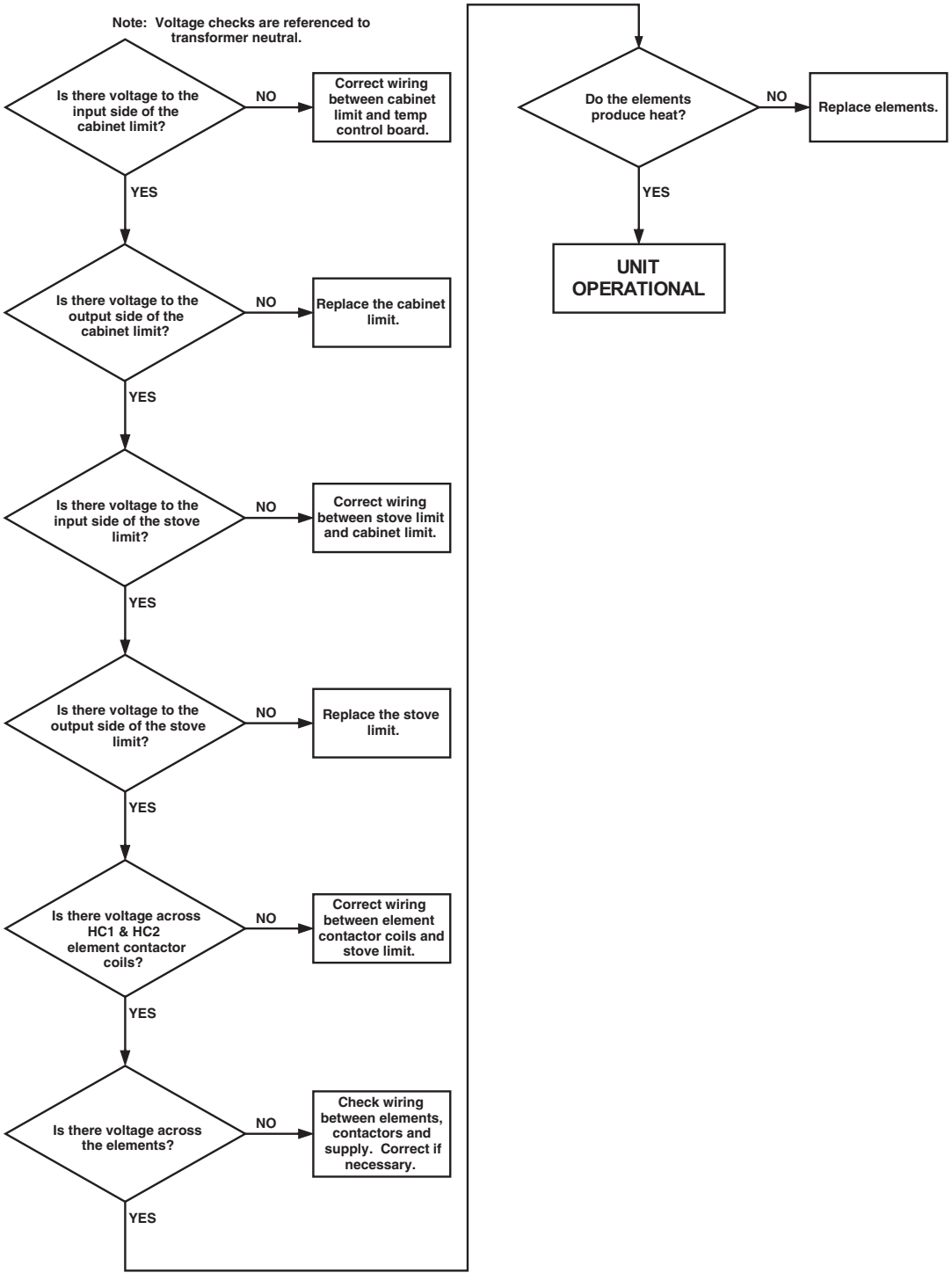
T065D

39. Will Not Heat – Electric – Manual Timer



T054D

39. Will Not Heat – Electric – Manual Timer (continued)



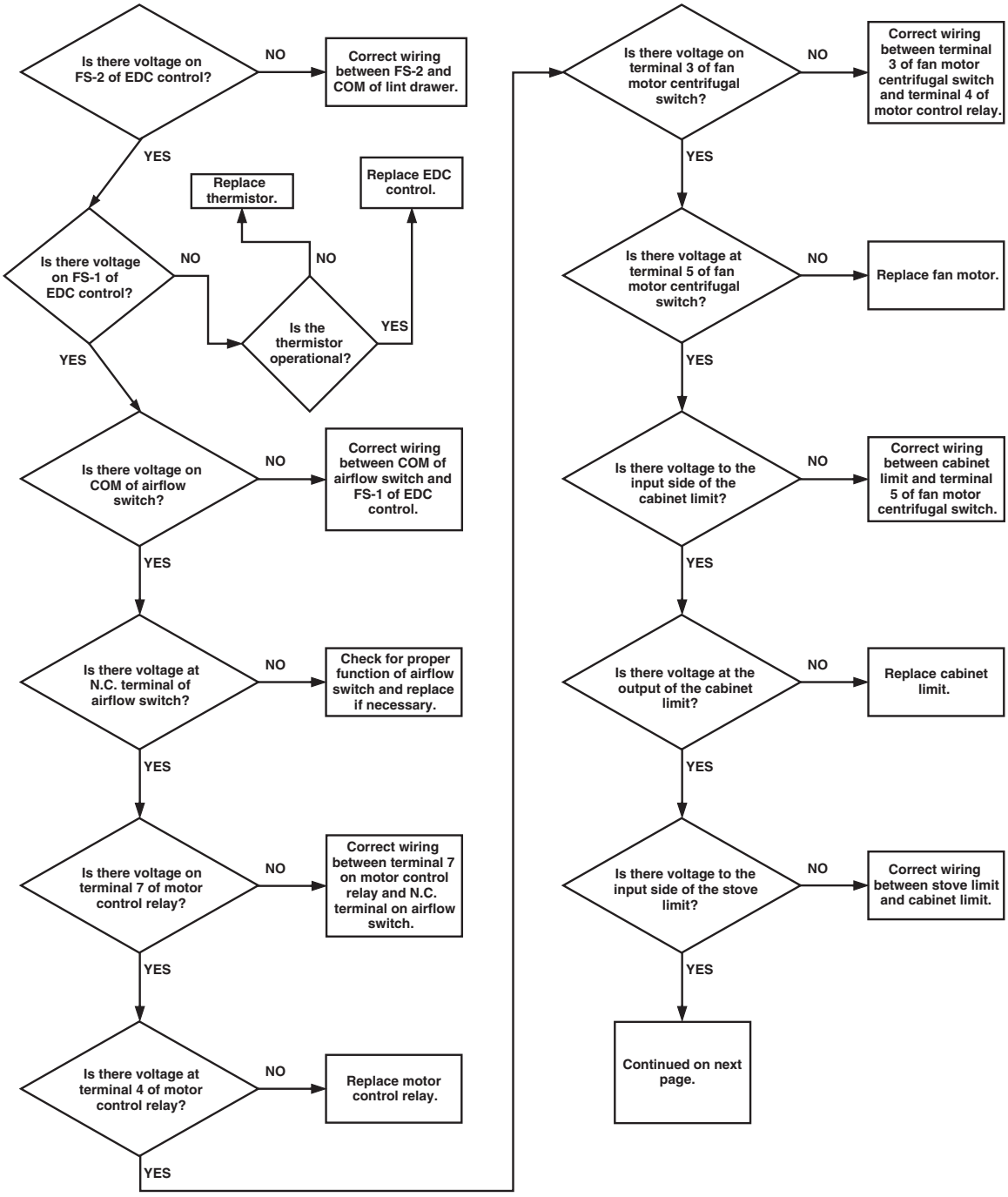
T055D

40. Will Not Heat – Electric

Note: Tests are conducted with unit running and calling for heat.

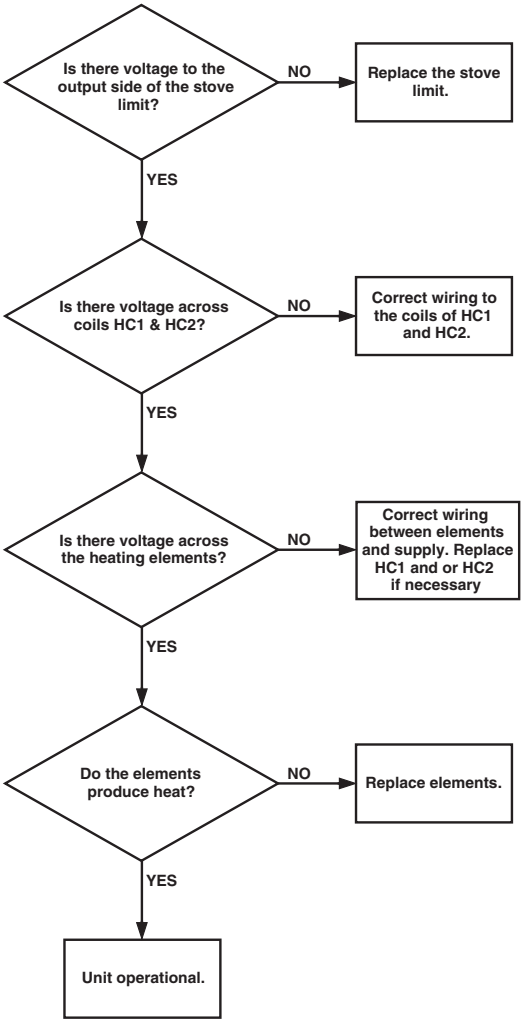
All voltage checks are referenced to transformer neutral.

Single and stacked units with single and three phase supply.



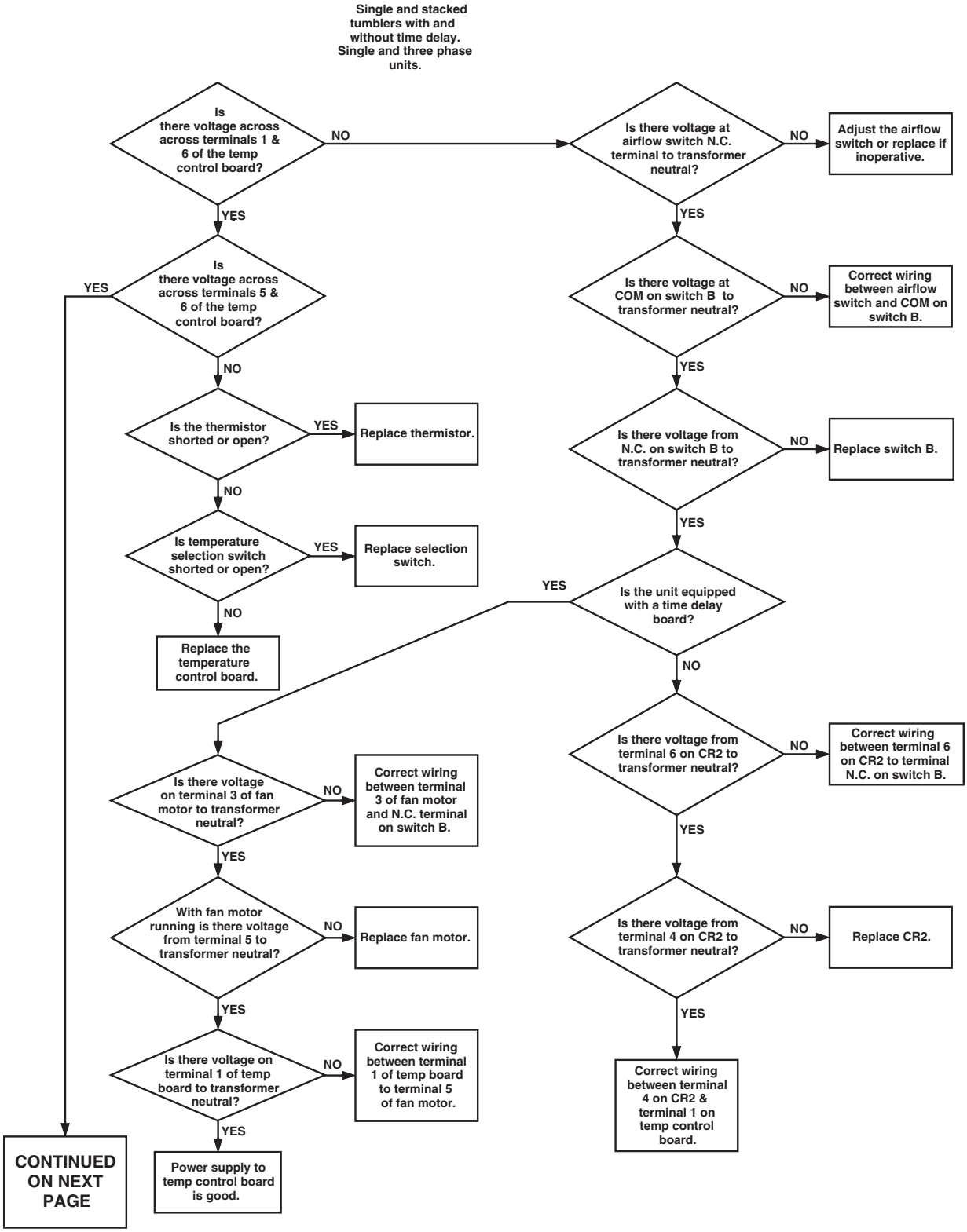
T034D

40. Will Not Heat – Electric (continued)



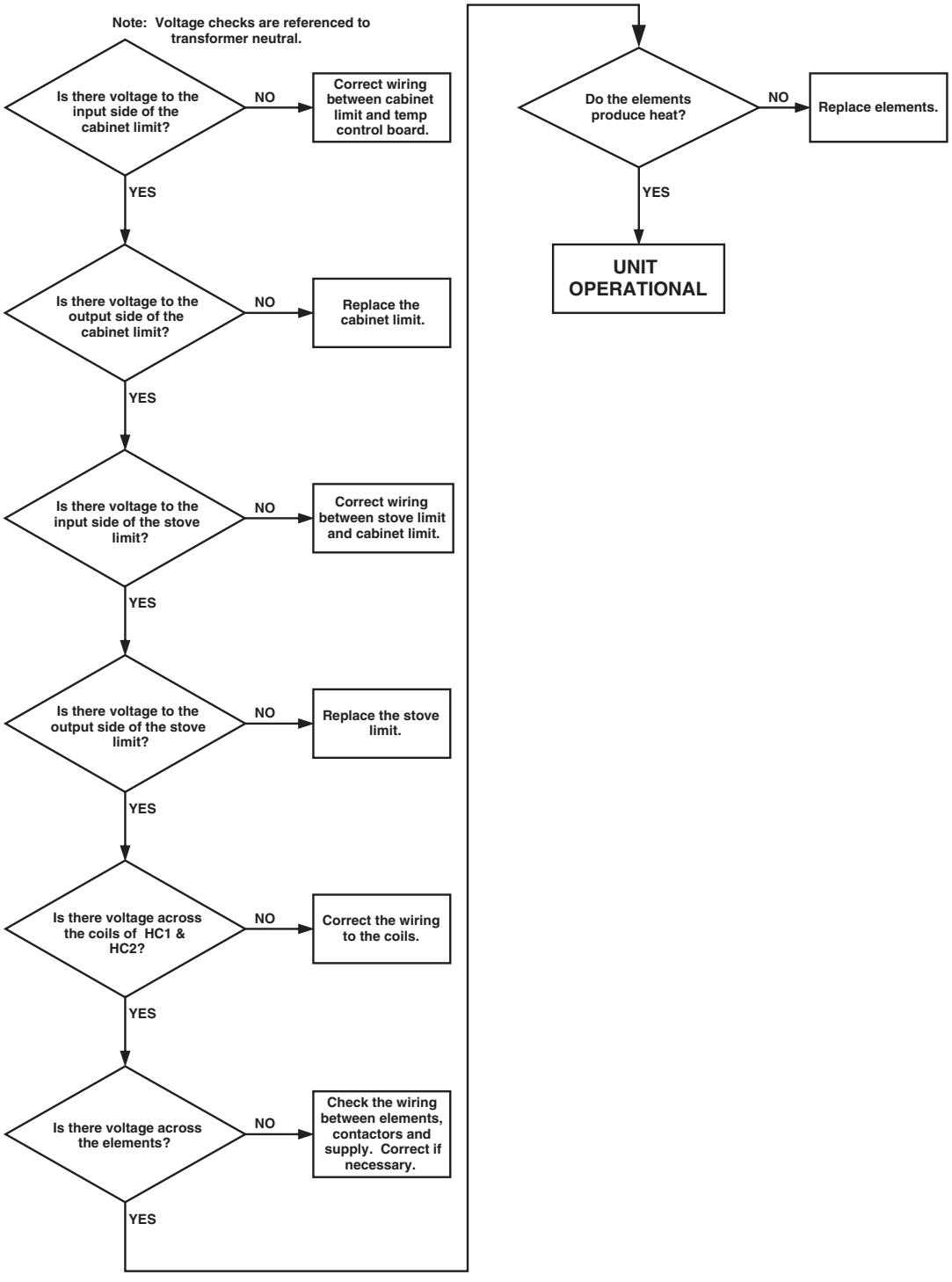
T035D

41. Will Not Heat – Electric – Rotary Coin Drop (With and Without Time Delay Board)



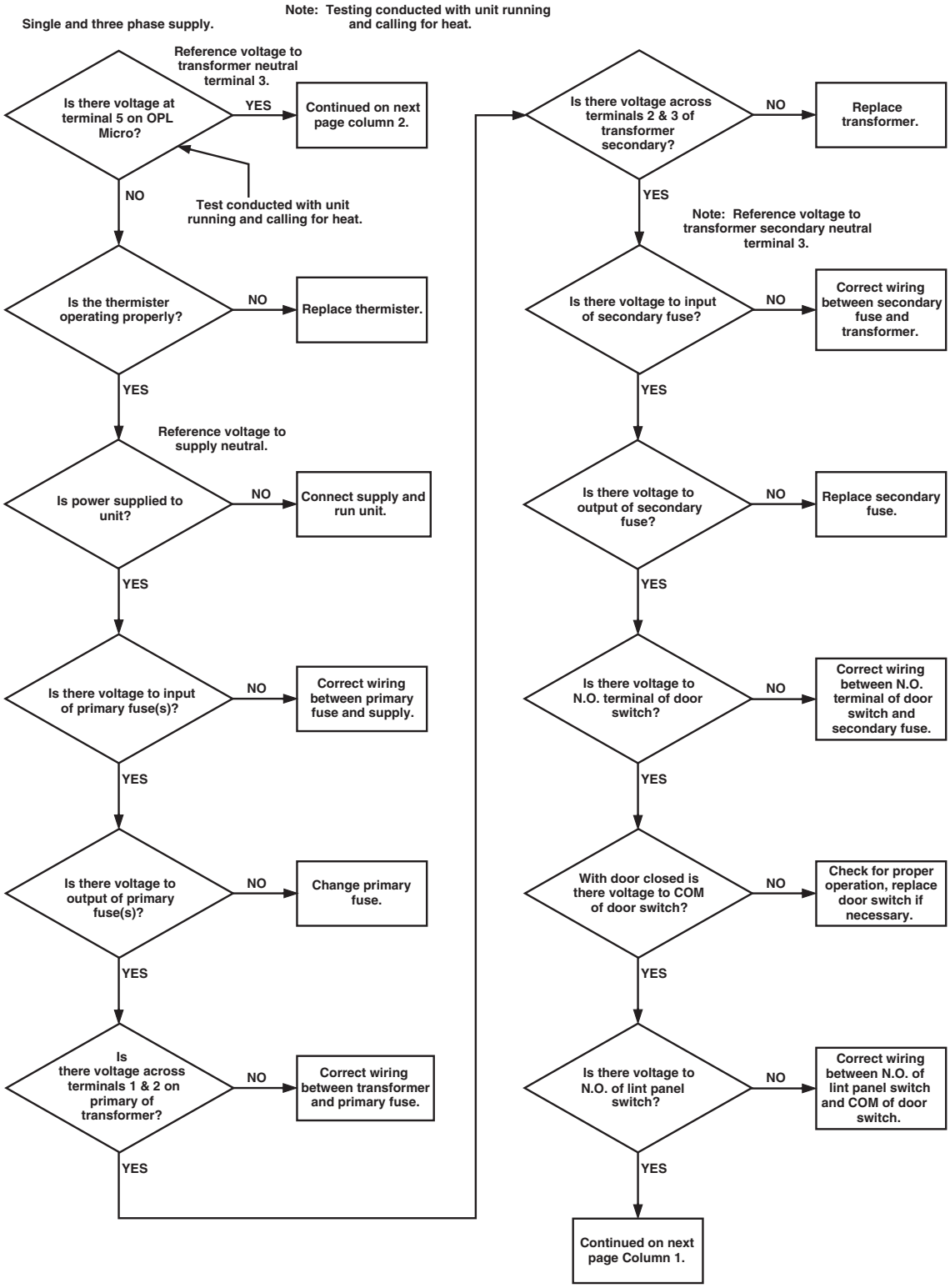
T077D

41. Will Not Heat – Electric – Rotary Coin Drop (With and Without Time Delay Board) (continued)



T078D

42. Will Not Heat – Electric/Gas – OPL Microprocessor

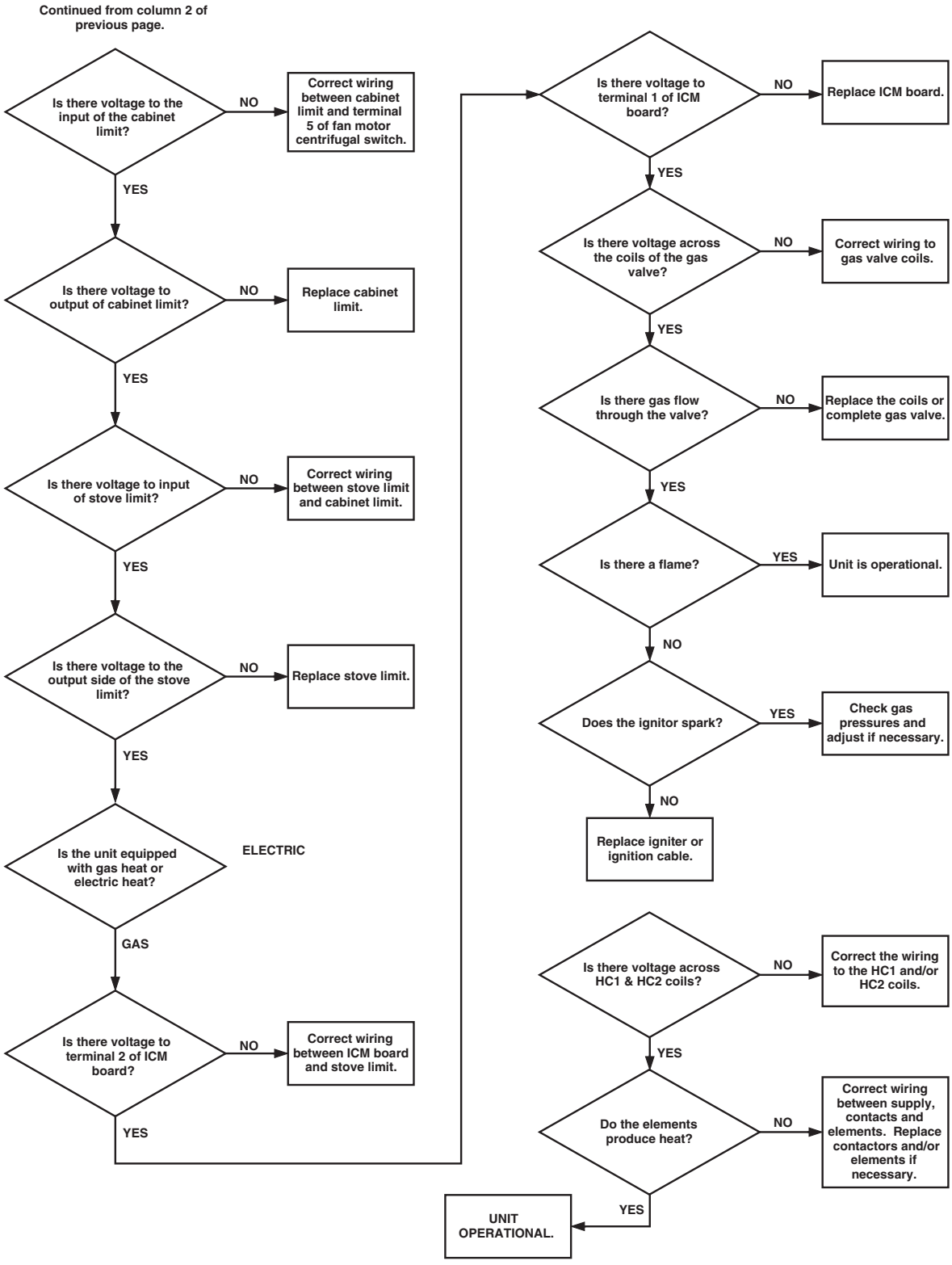


T010D

42. Will Not Heat – Electric/Gas – OPL Microprocessor (continued)

T011D

42. Will Not Heat – Electric/Gas – OPL Microprocessor (continued)



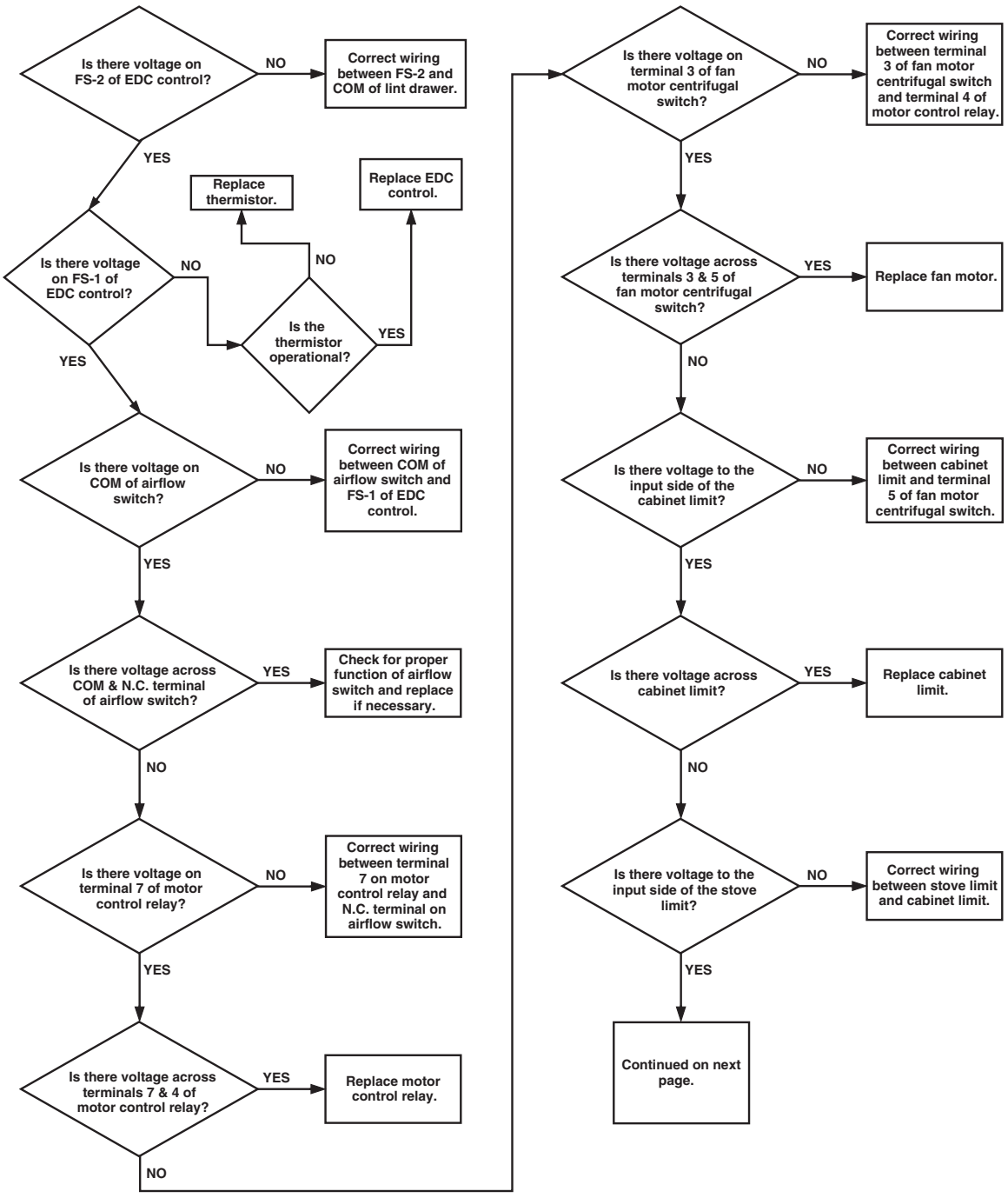
T012D

43. Will Not Heat – Gas – EDC Models

Note: Tests are conducted with unit running and calling for heat.

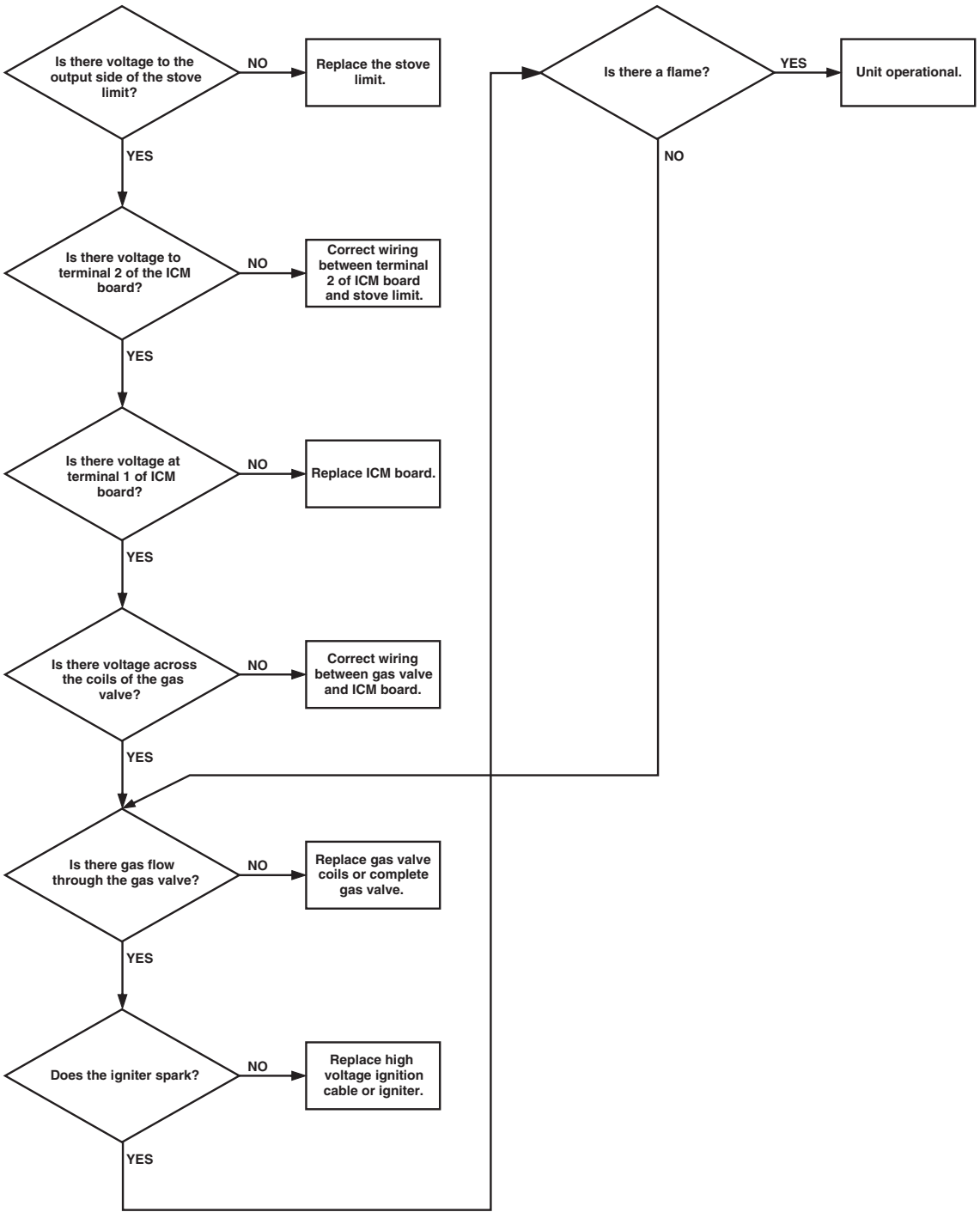
All voltage checks are referenced to transformer neutral.

Single and stacked units.



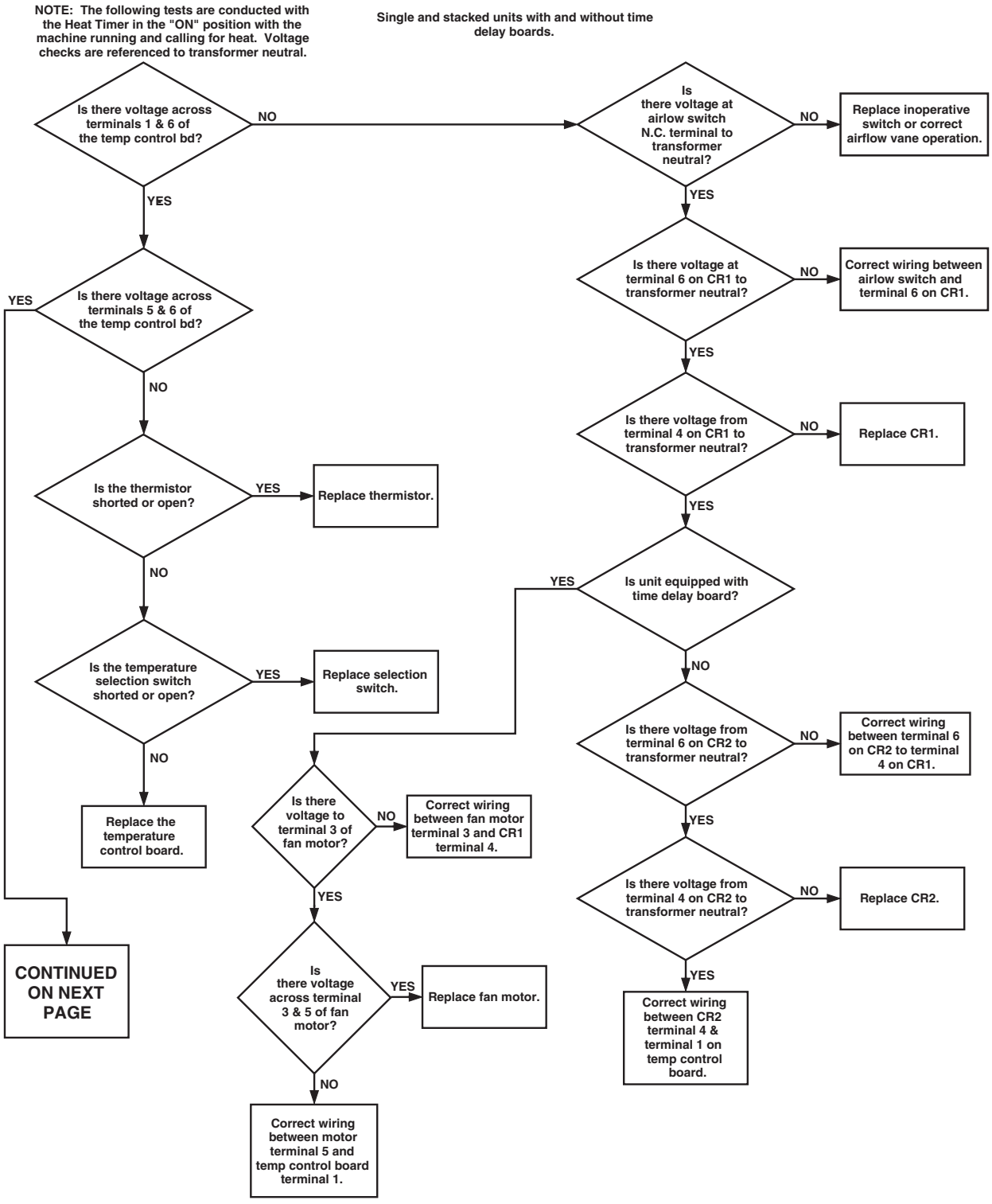
T032D

43. Will Not Heat – Gas – EDC Models (continued)



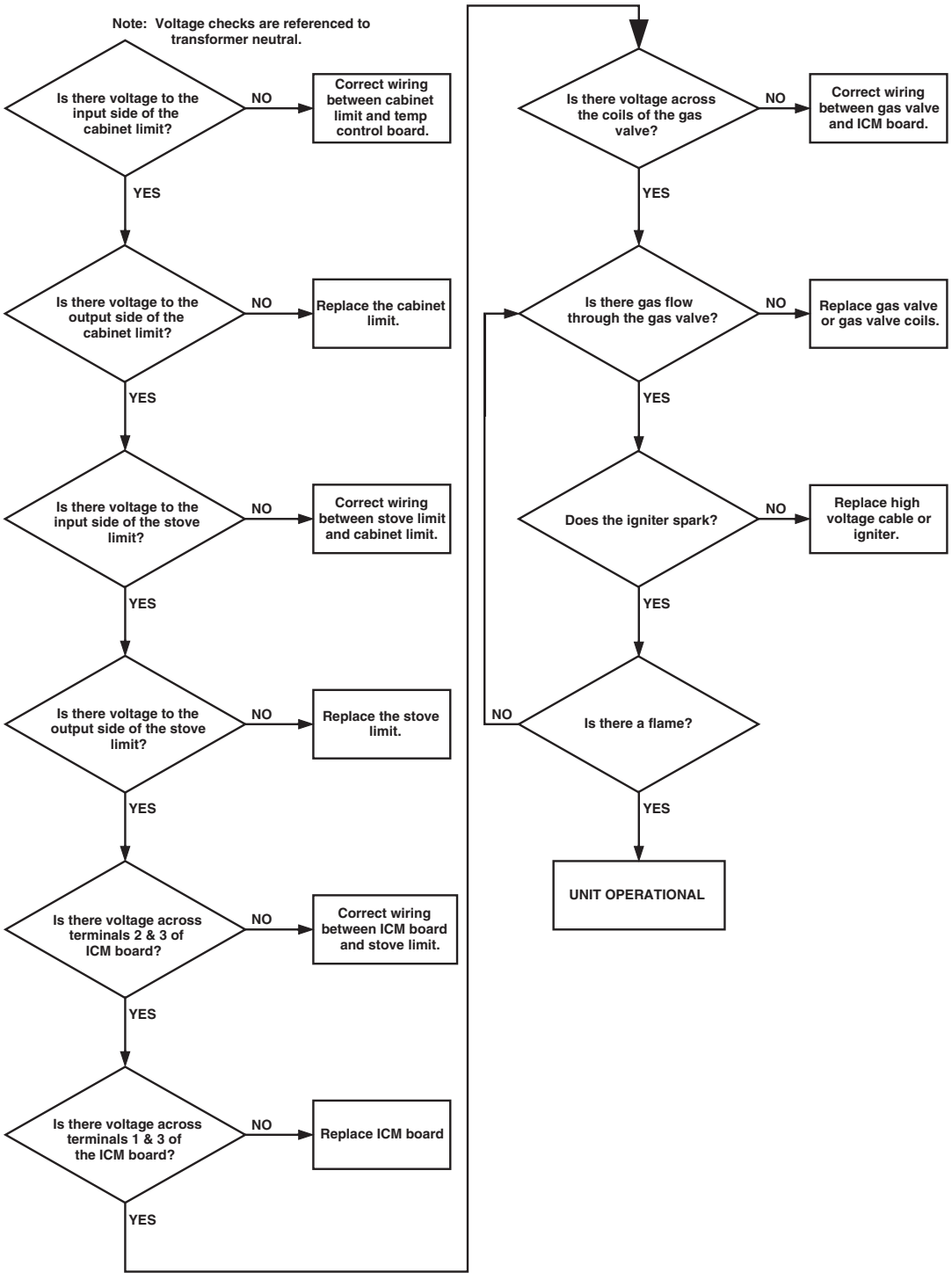
T033D

44. Will Not Heat – Gas – Manual Timer



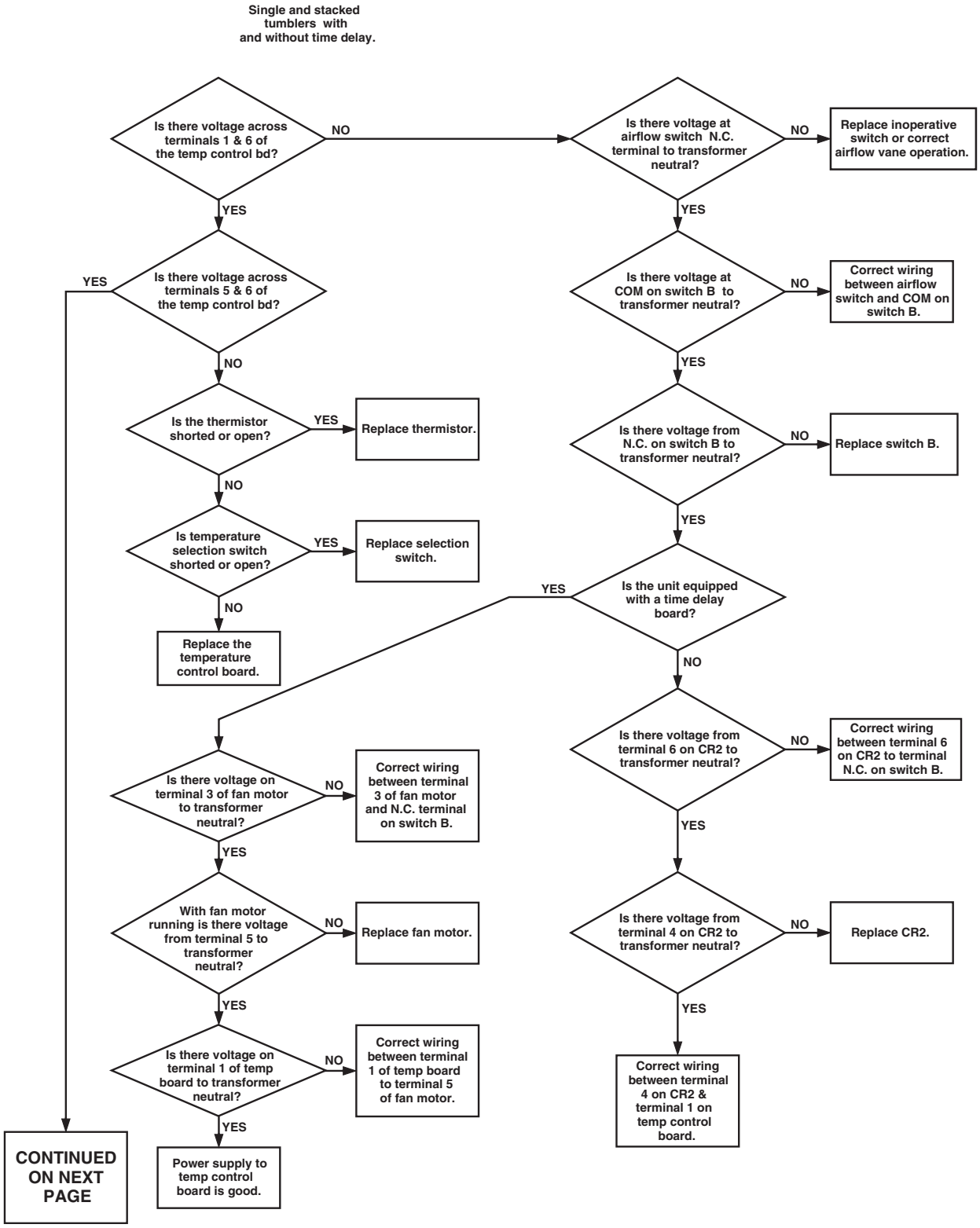
T044D

44. Will Not Heat – Gas – Manual Timer (continued)



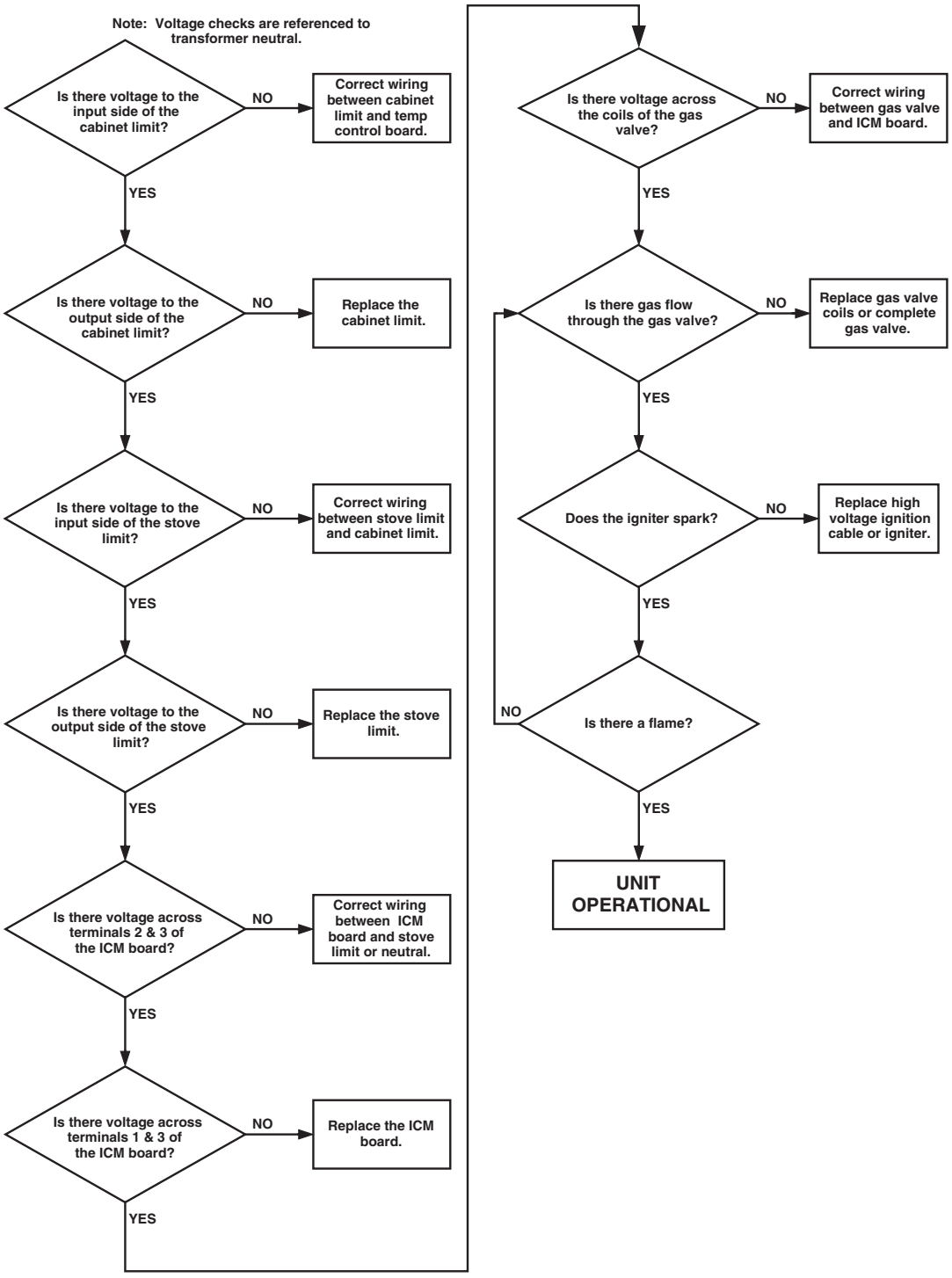
TMB1834S

45. Will Not Heat – Gas – Rotary Coin Drop



T090D

45. Will Not Heat – Gas – Rotary Coin Drop (continued)



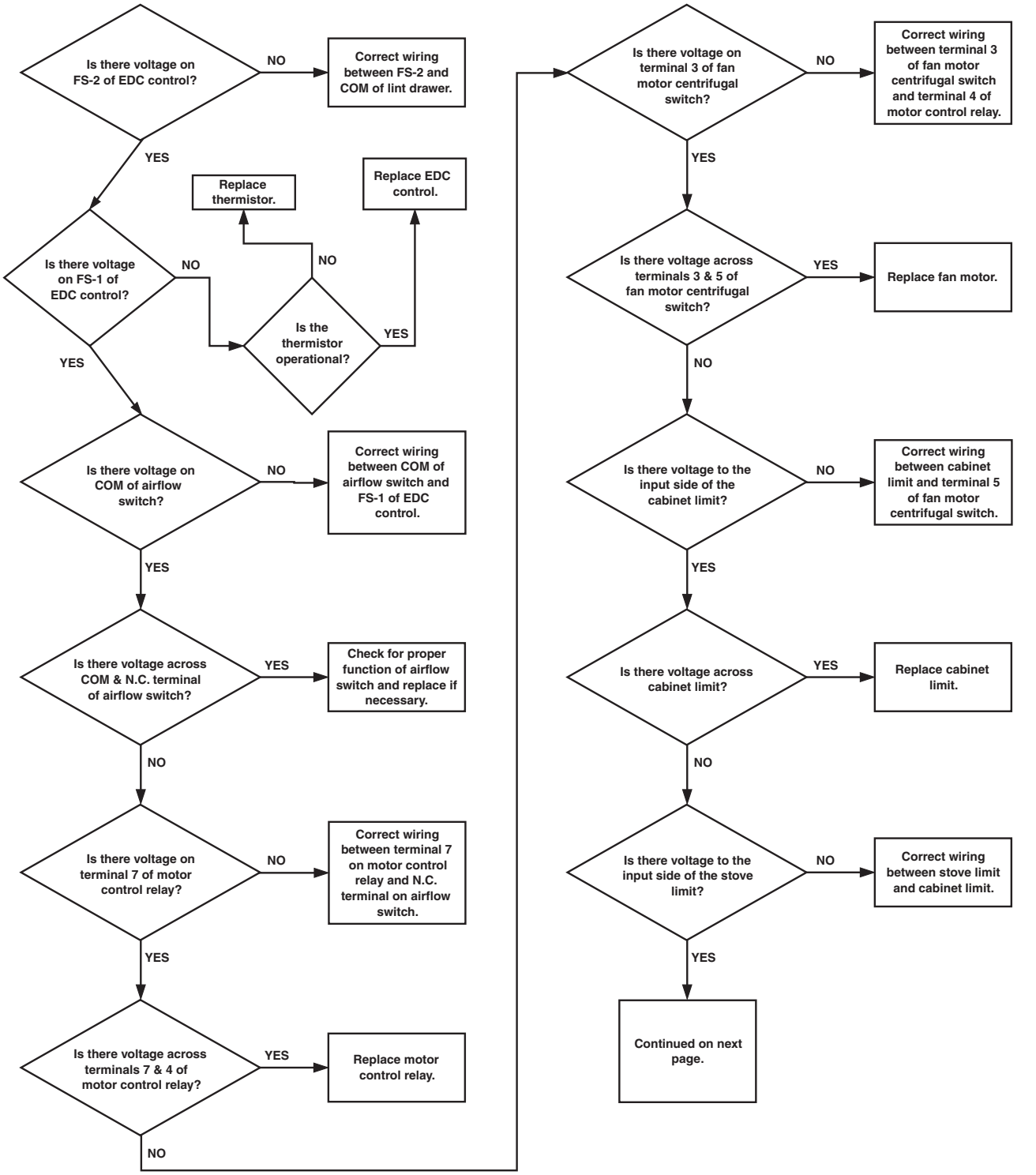
T091D

46. Will Not Heat – Steam – EDC Models

Note: Tests are conducted with unit running and calling for heat.

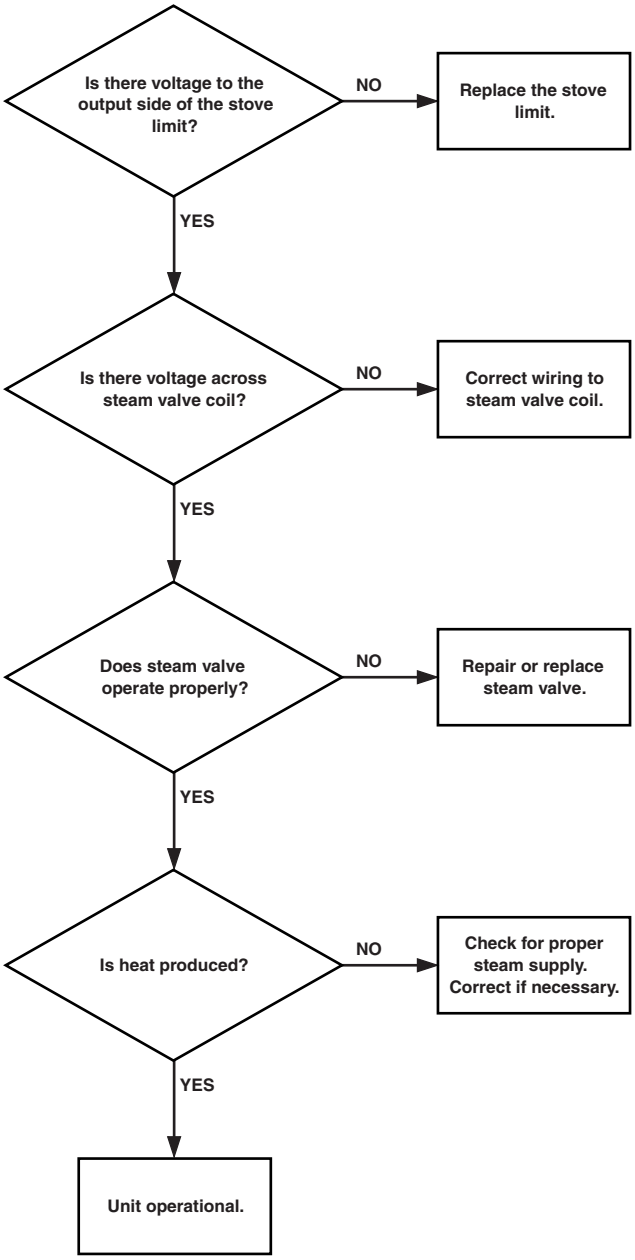
All voltage checks are referenced to transformer neutral.

Single and stacked units.



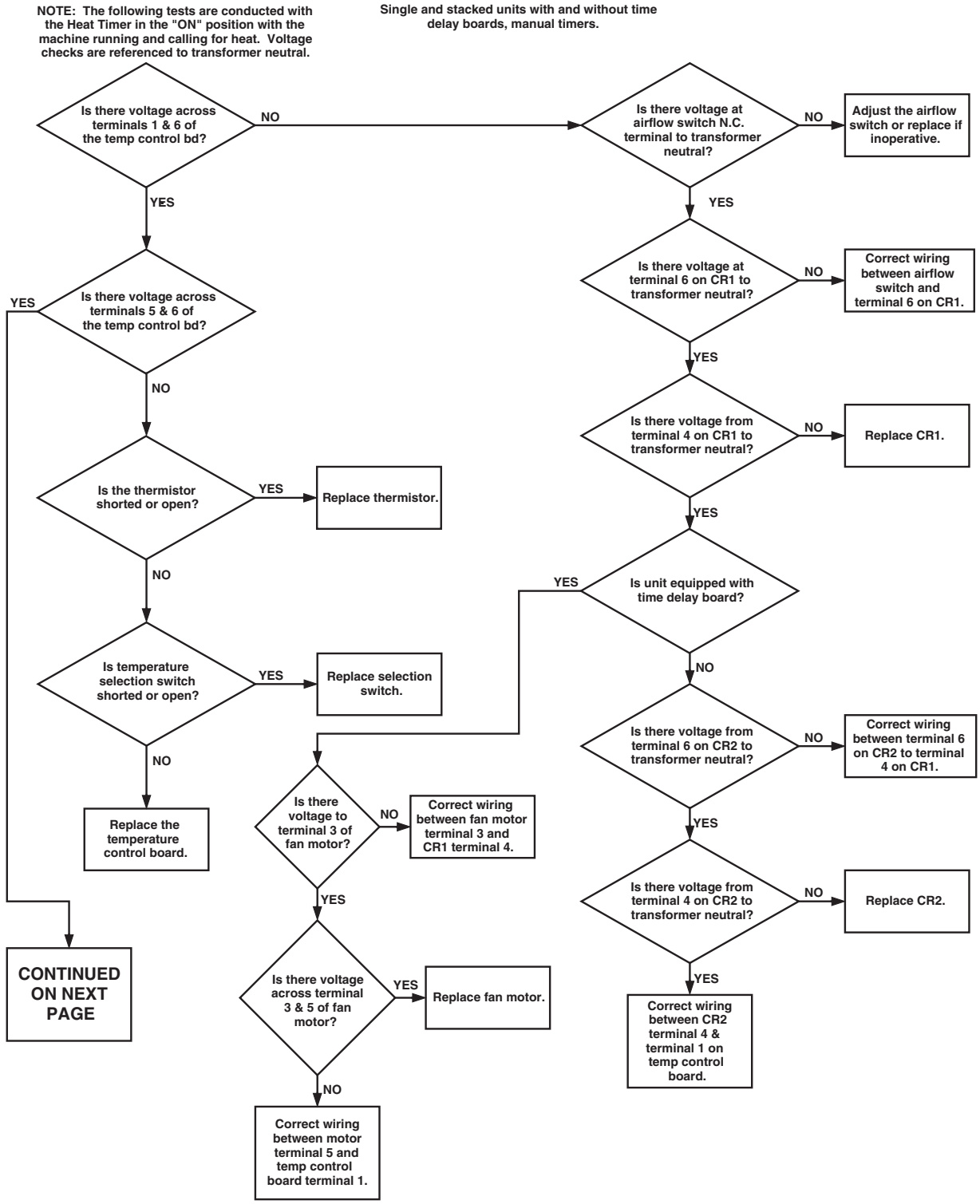
T096D

46. Will Not Heat – Steam – EDC Models (continued)



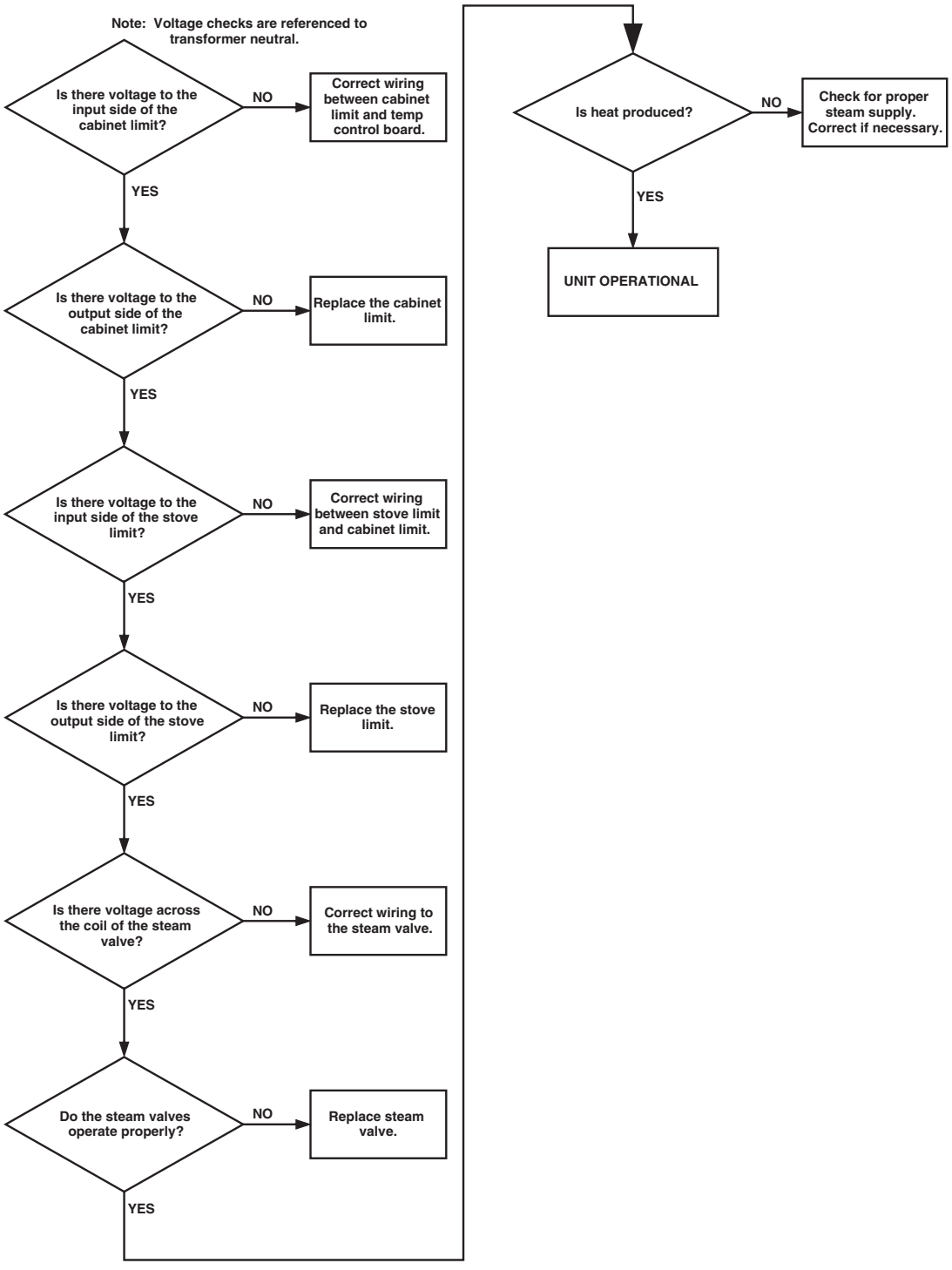
T097D

47. Will Not Heat – Steam – Manual Timer



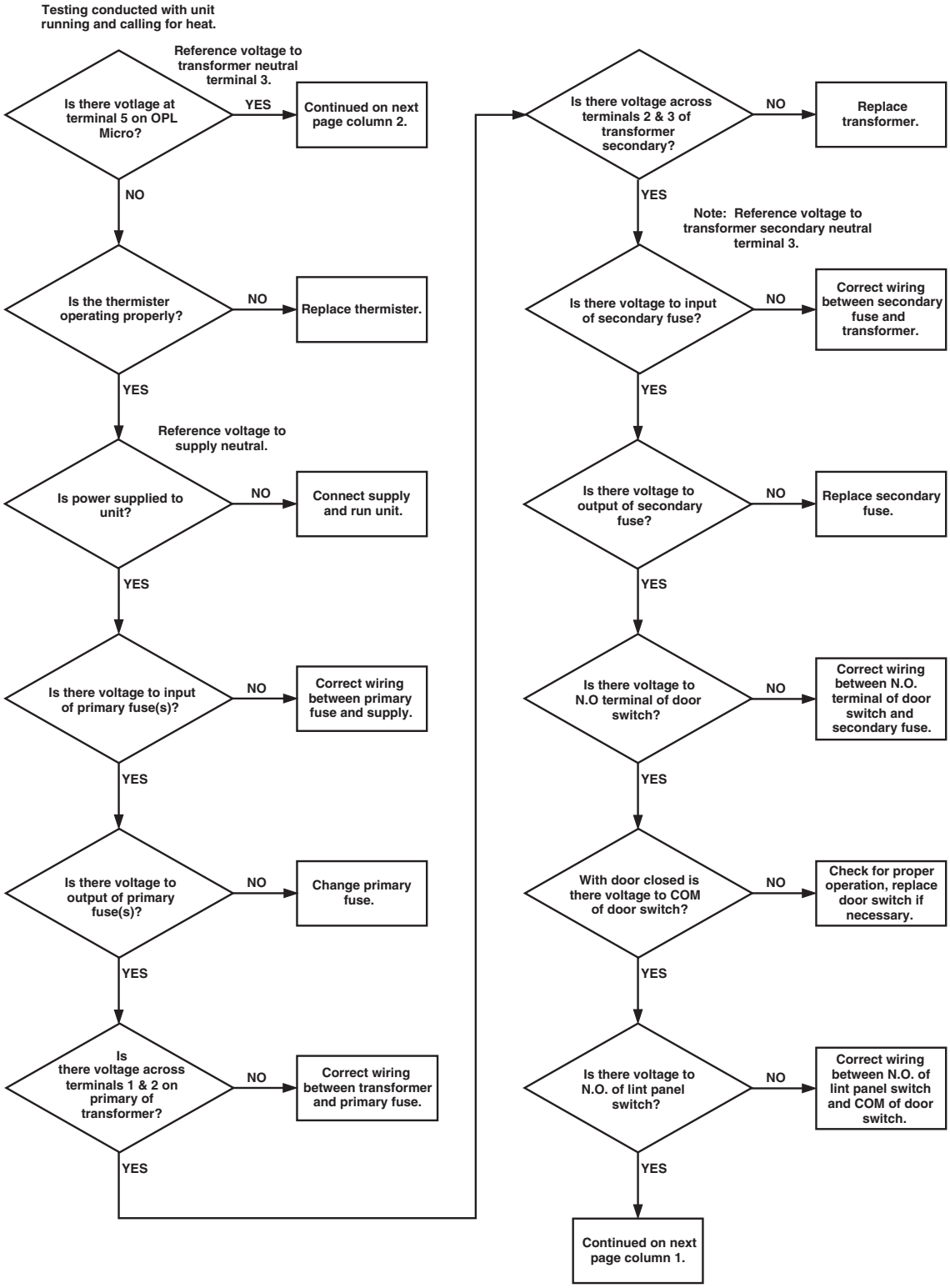
T019D

47. Will Not Heat – Steam – Manual Timer (continued)



T020D

48. Will Not Heat – Steam – OPL Microprocessor

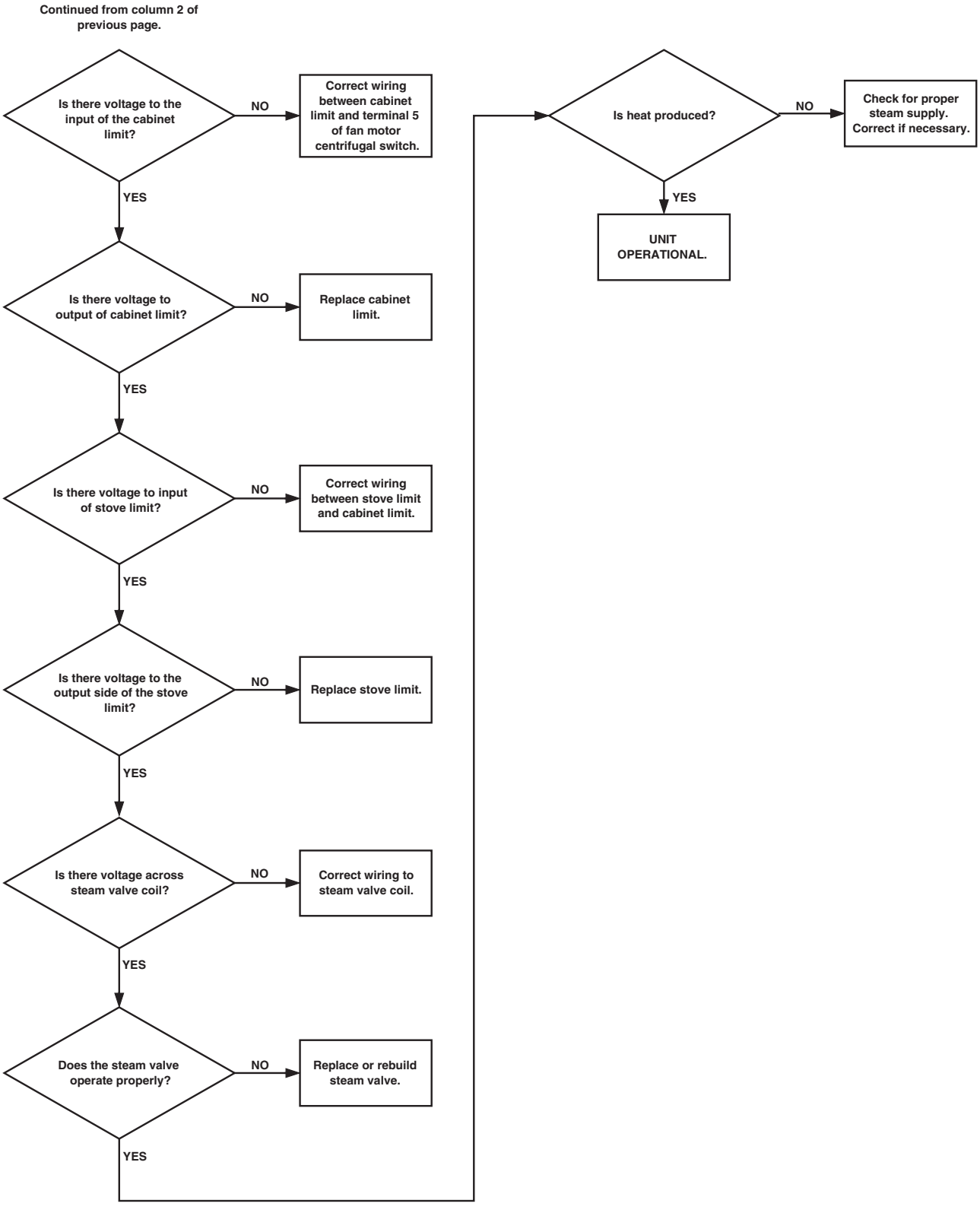


T003D

48. Will Not Heat – Steam – OPL Microprocessor (continued)

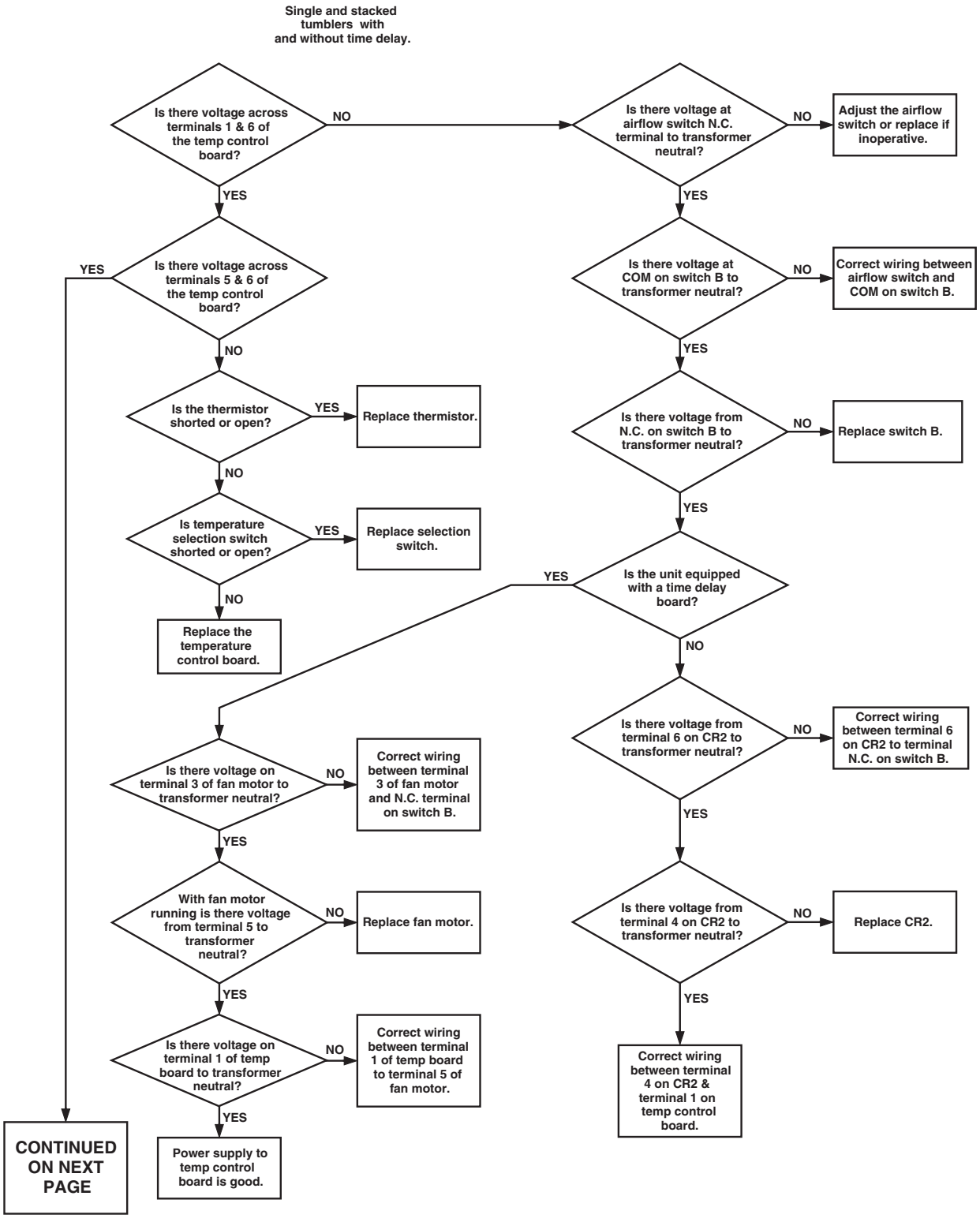
T004D

48. Will Not Heat – Steam – OPL Microprocessor (continued)



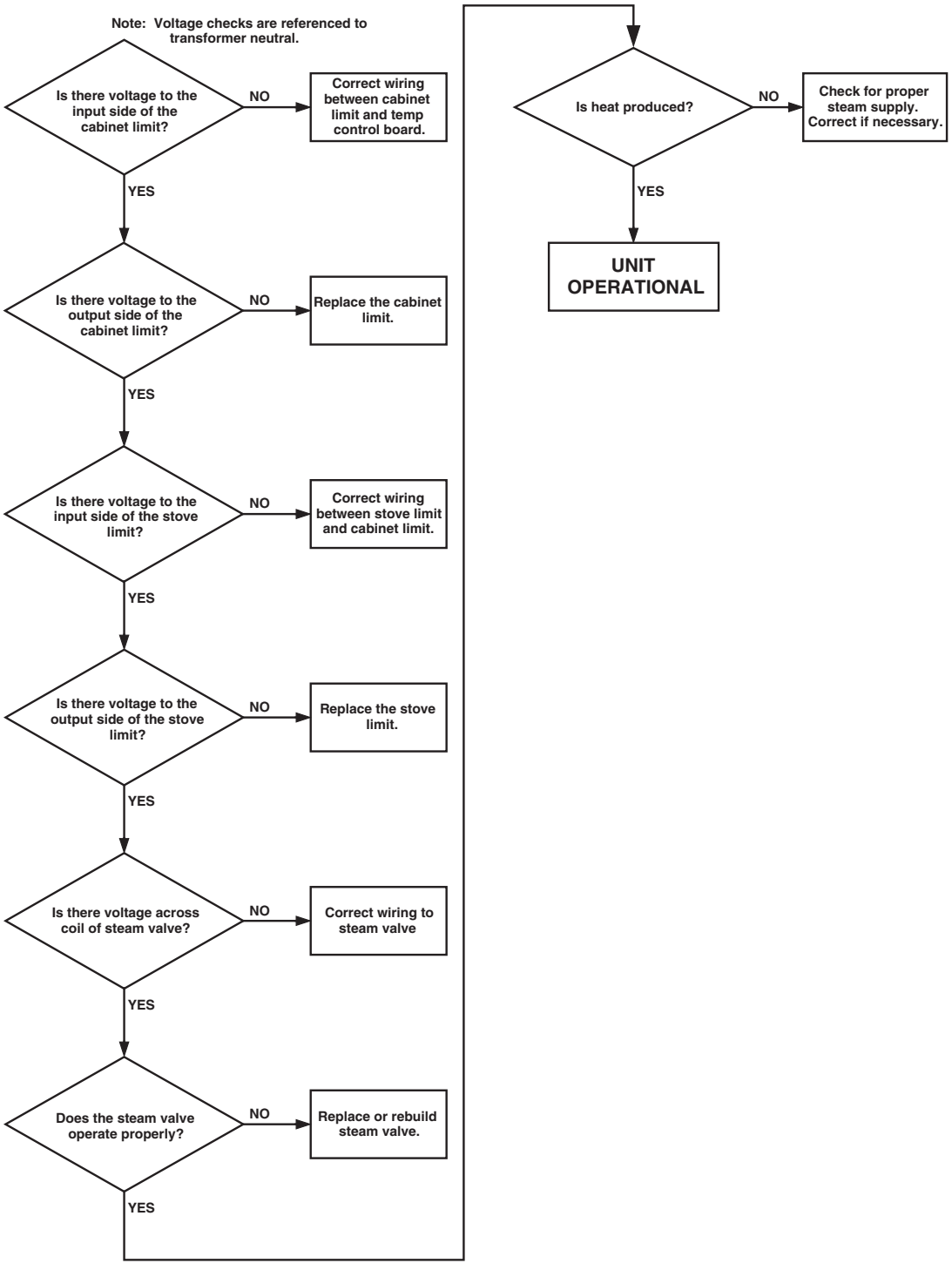
TMB1835S

49. Will Not Heat – Steam – Rotary Coin Drop



T066D

49. Will Not Heat – Steam – Rotary Coin Drop (continued)



TMB1836S

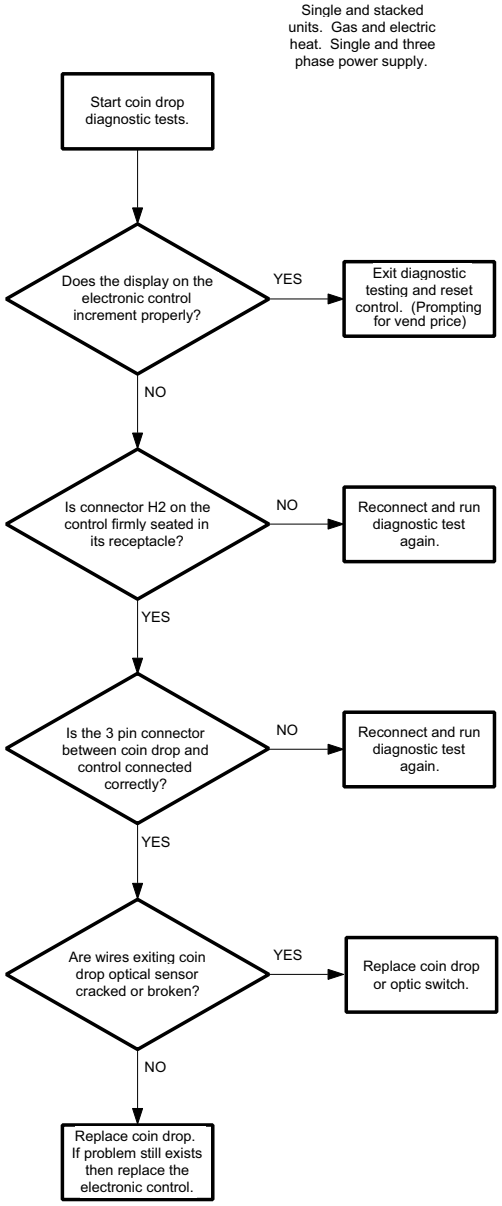
Section 6
Micro Display Control Troubleshooting

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the tumble dryer before servicing.**
- **Close gas shut-off valve to gas tumble dryer before servicing.**
- **Close steam valve to steam tumble dryer before servicing.**
- **Never start the tumble dryer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the tumble dryer is properly grounded.**

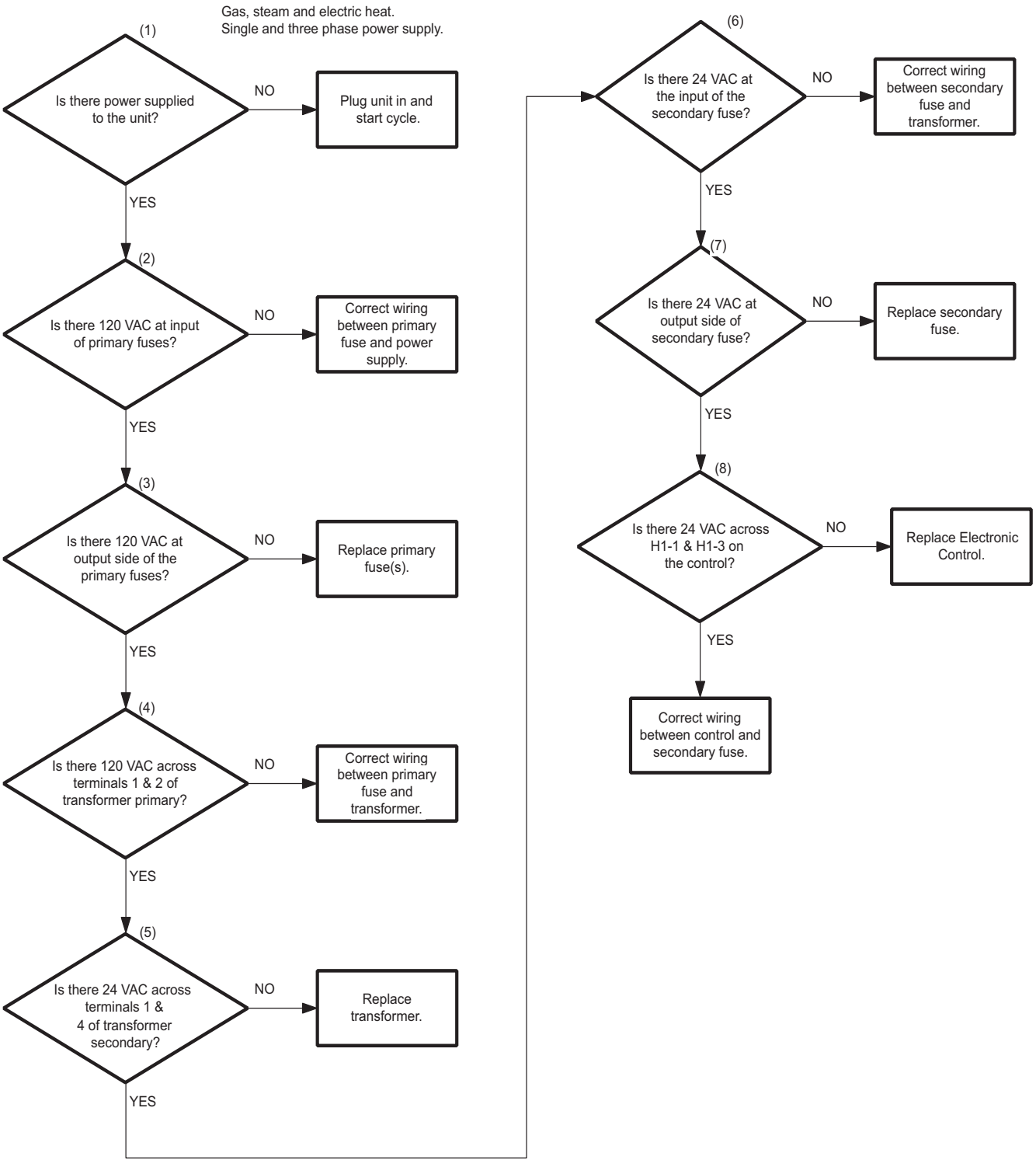
W002R1

50. Coins Ignored When Entered



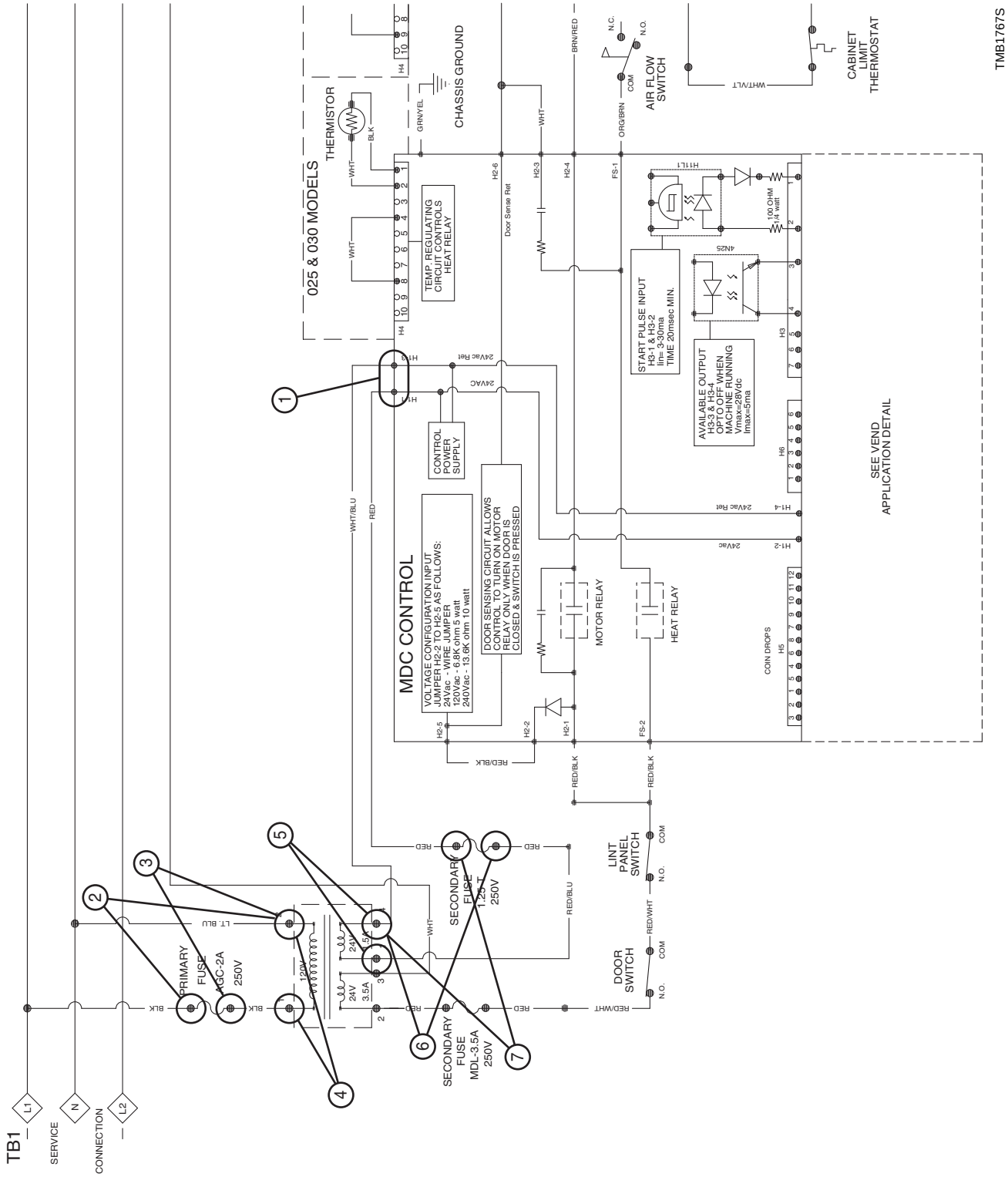
TMB1837S

51. Control Has No Display

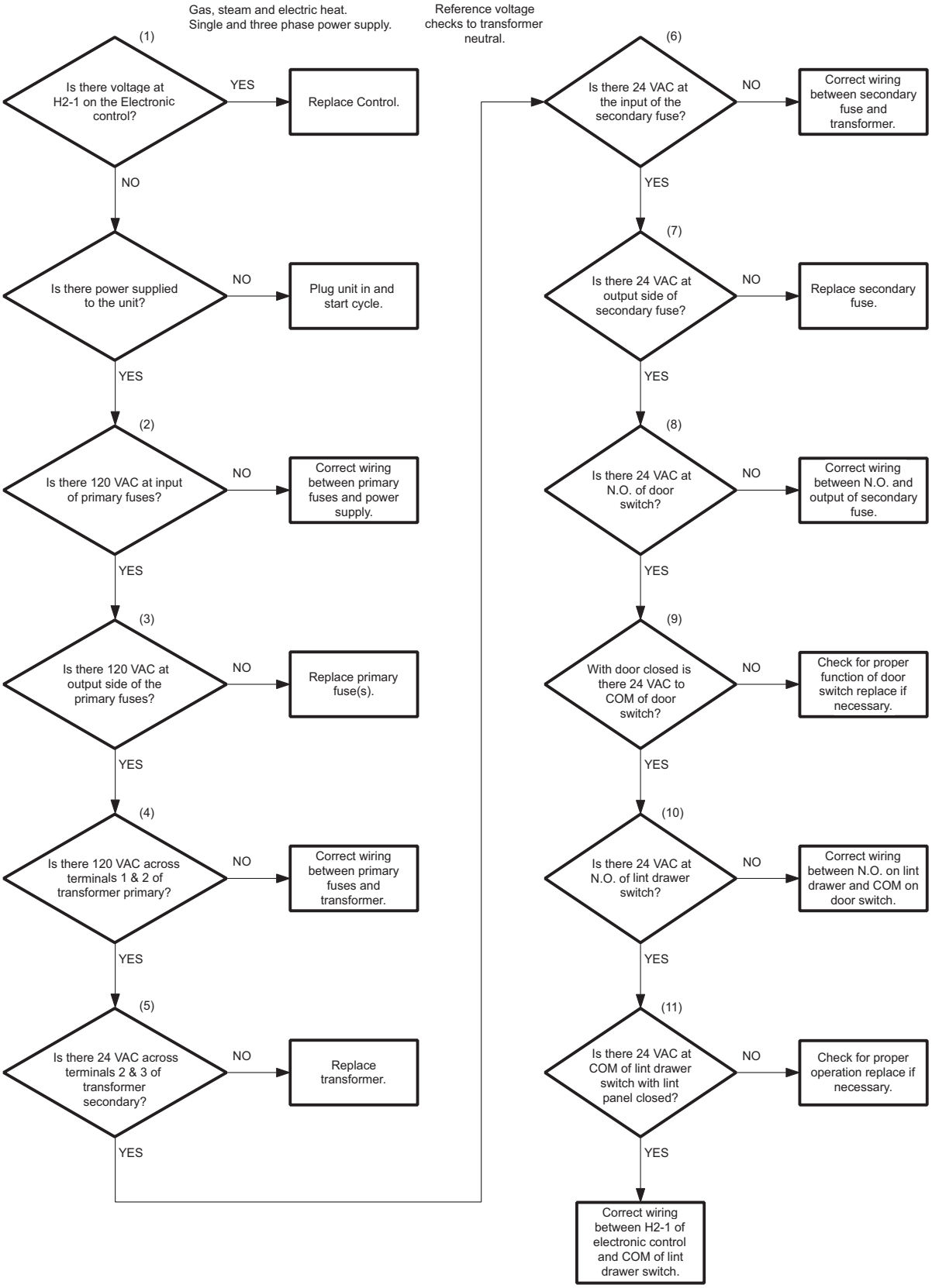


TMB249S

Control Has No Display

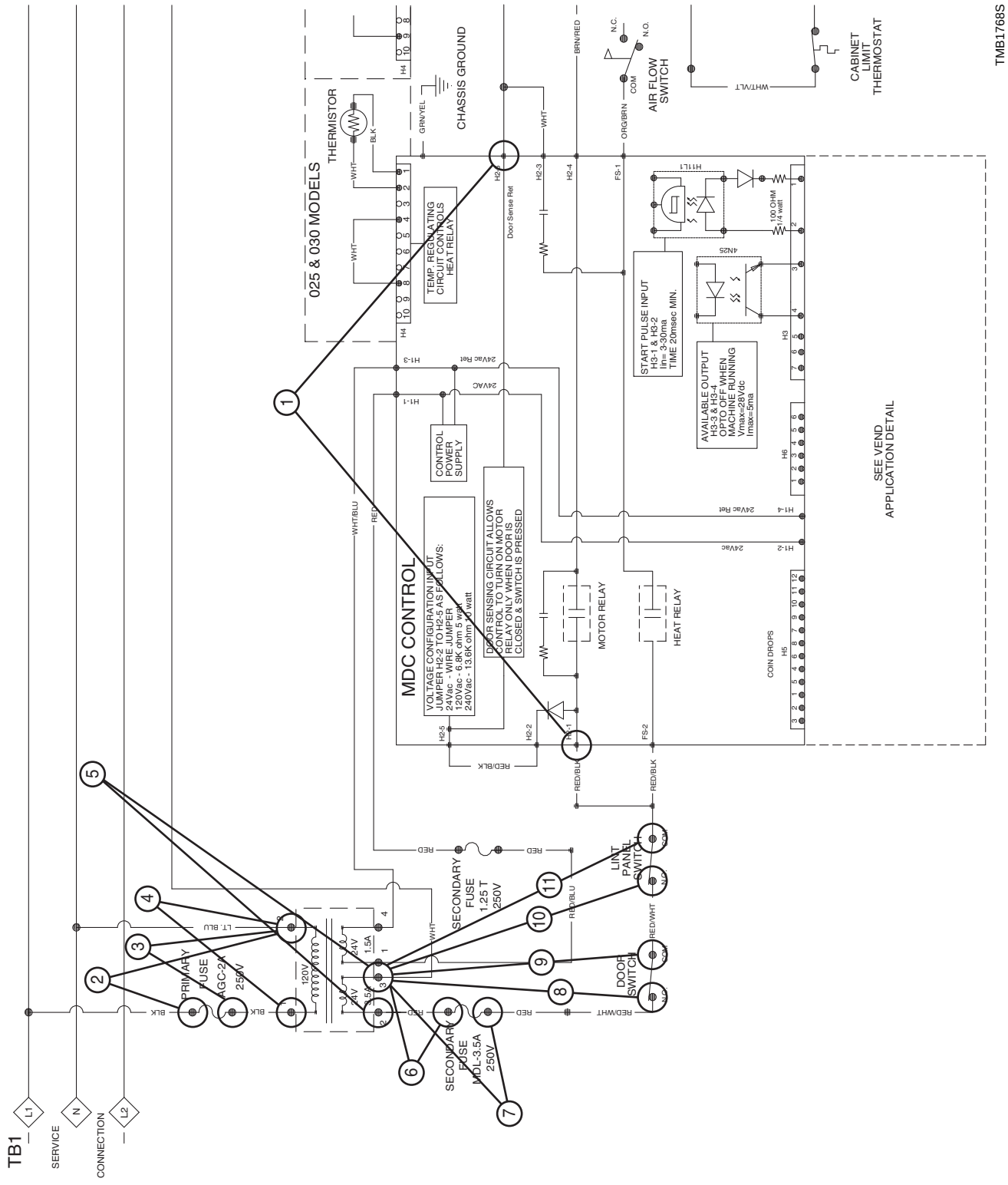


52. Door Open Indicator

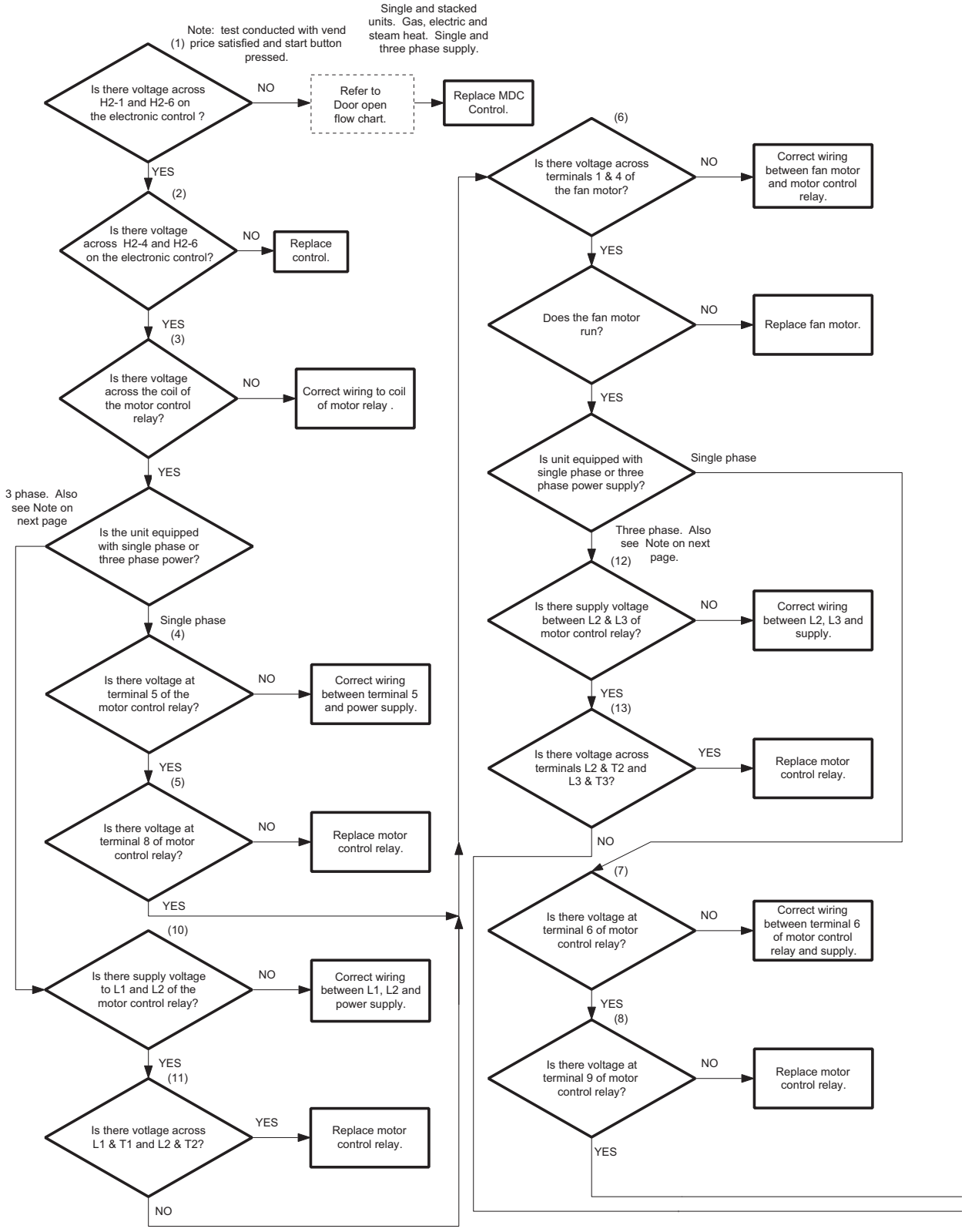


TMB205S

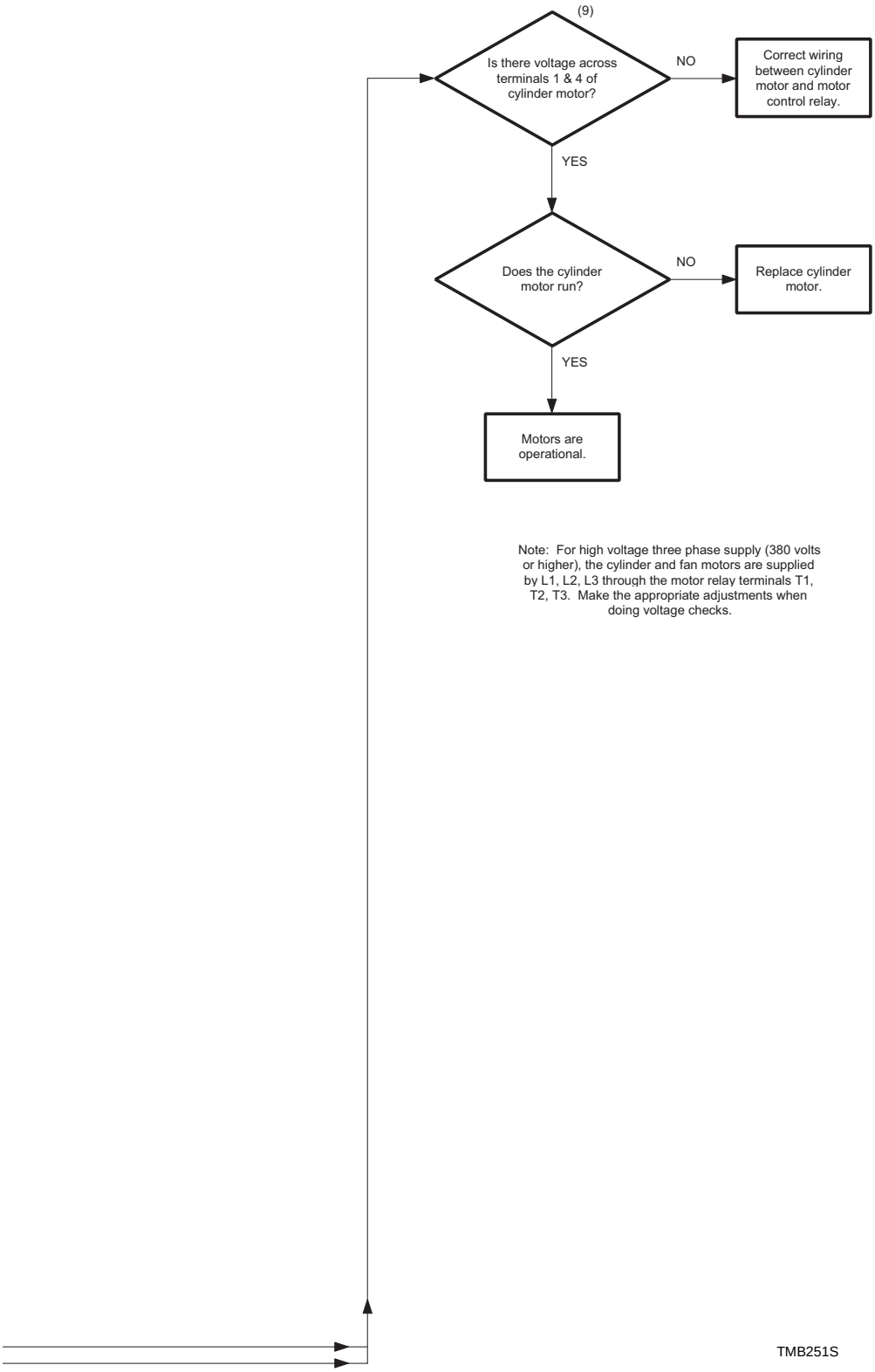
Door Open Indicator



53. Motor Will Not Start/Run

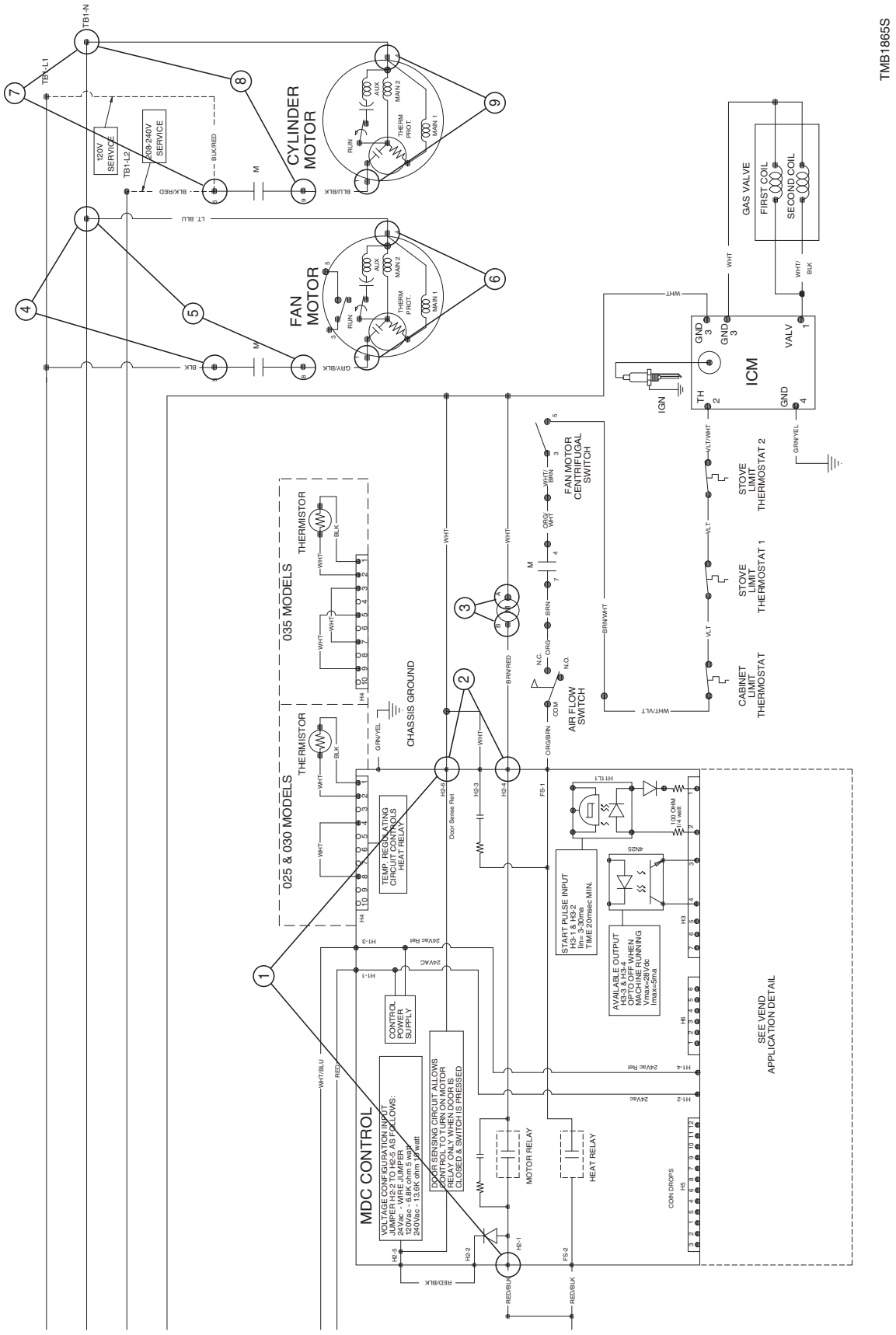


53. Motor Will Not Start/Run (continued)

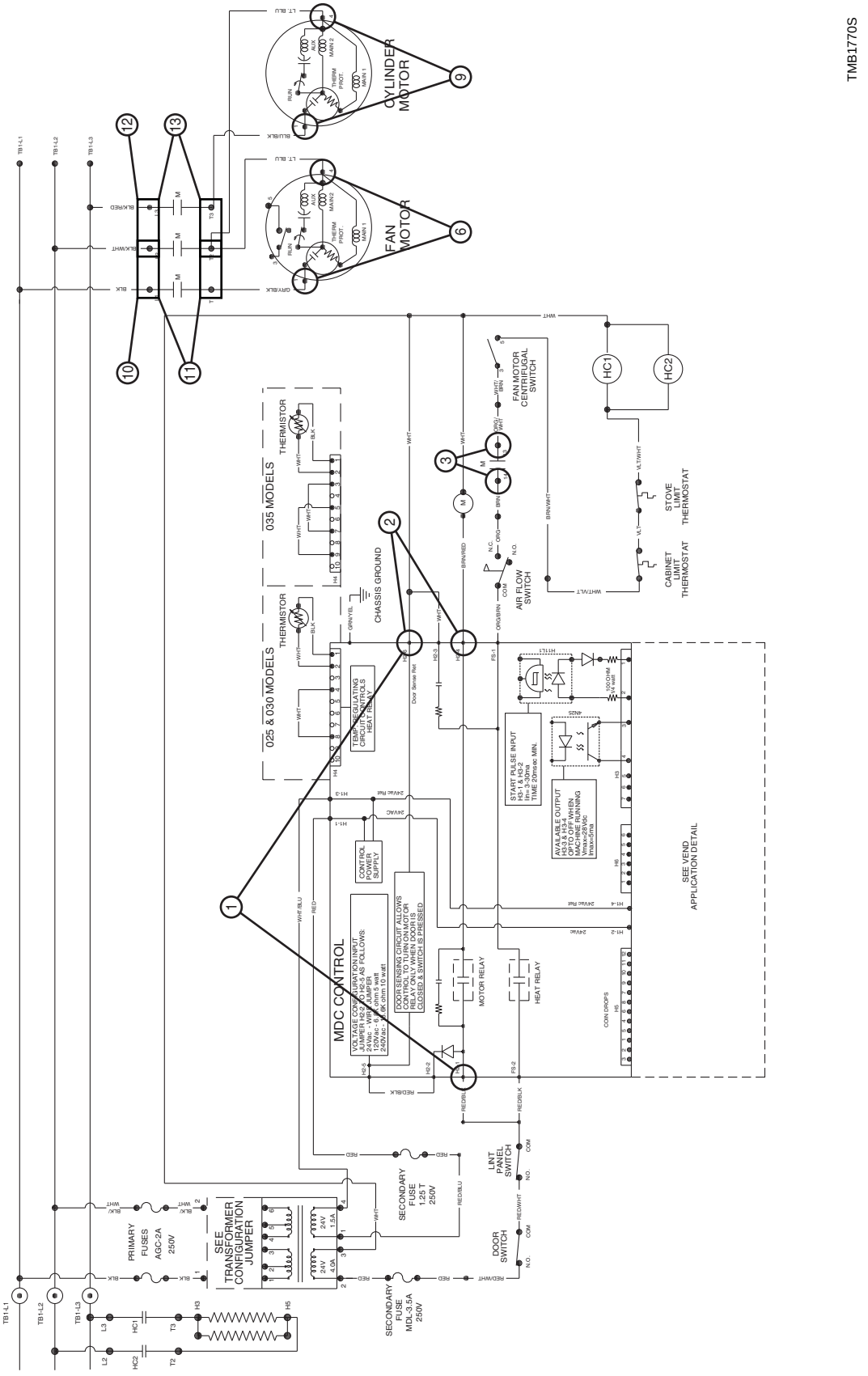


Please see following 2 pages for wiring diagram information.

Motor Will Not Start/Run (Sheet 1 of 2)



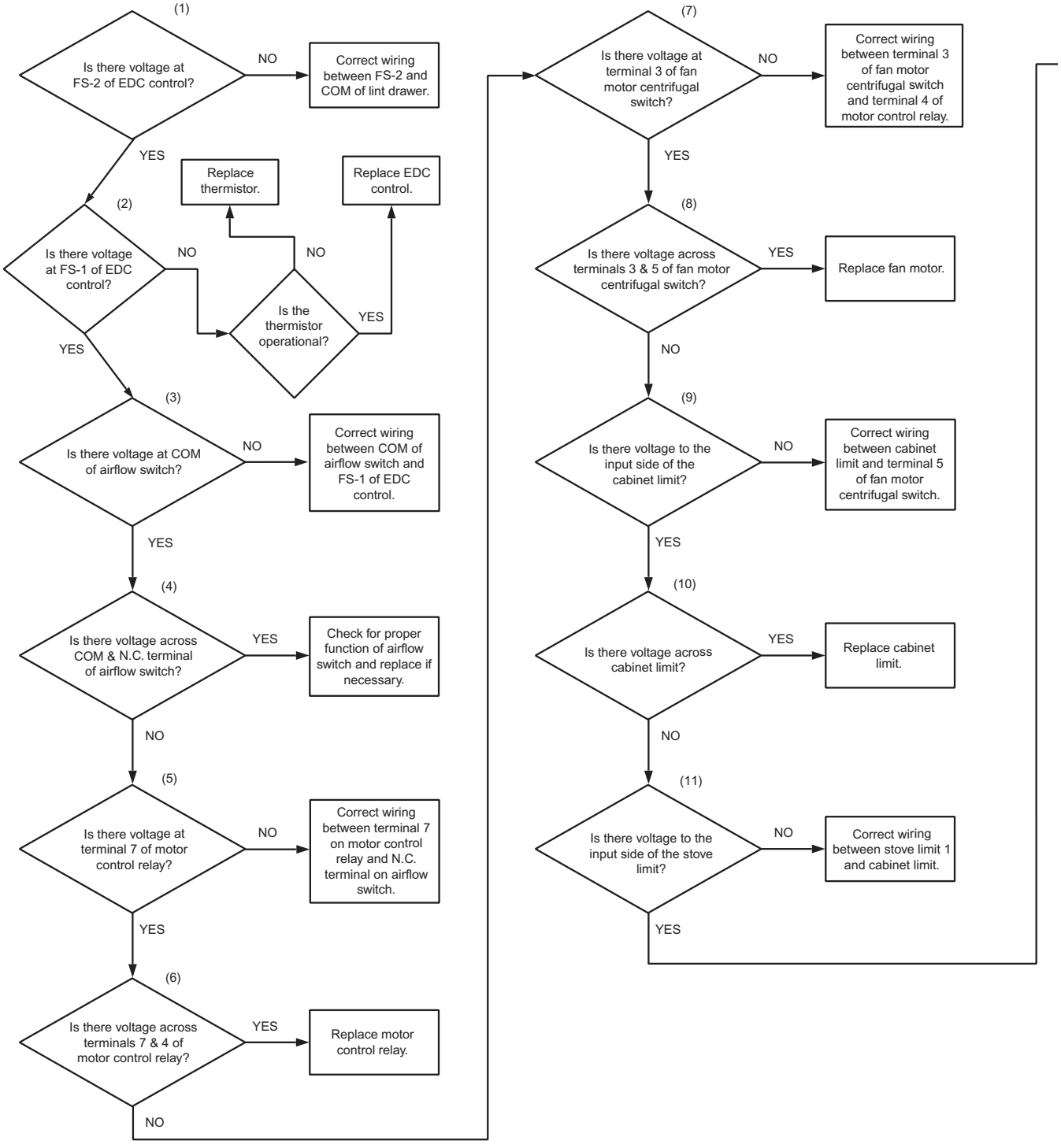
Motor Will Not Start (Sheet 2 of 2)



54. Unit Will Not Heat – Gas

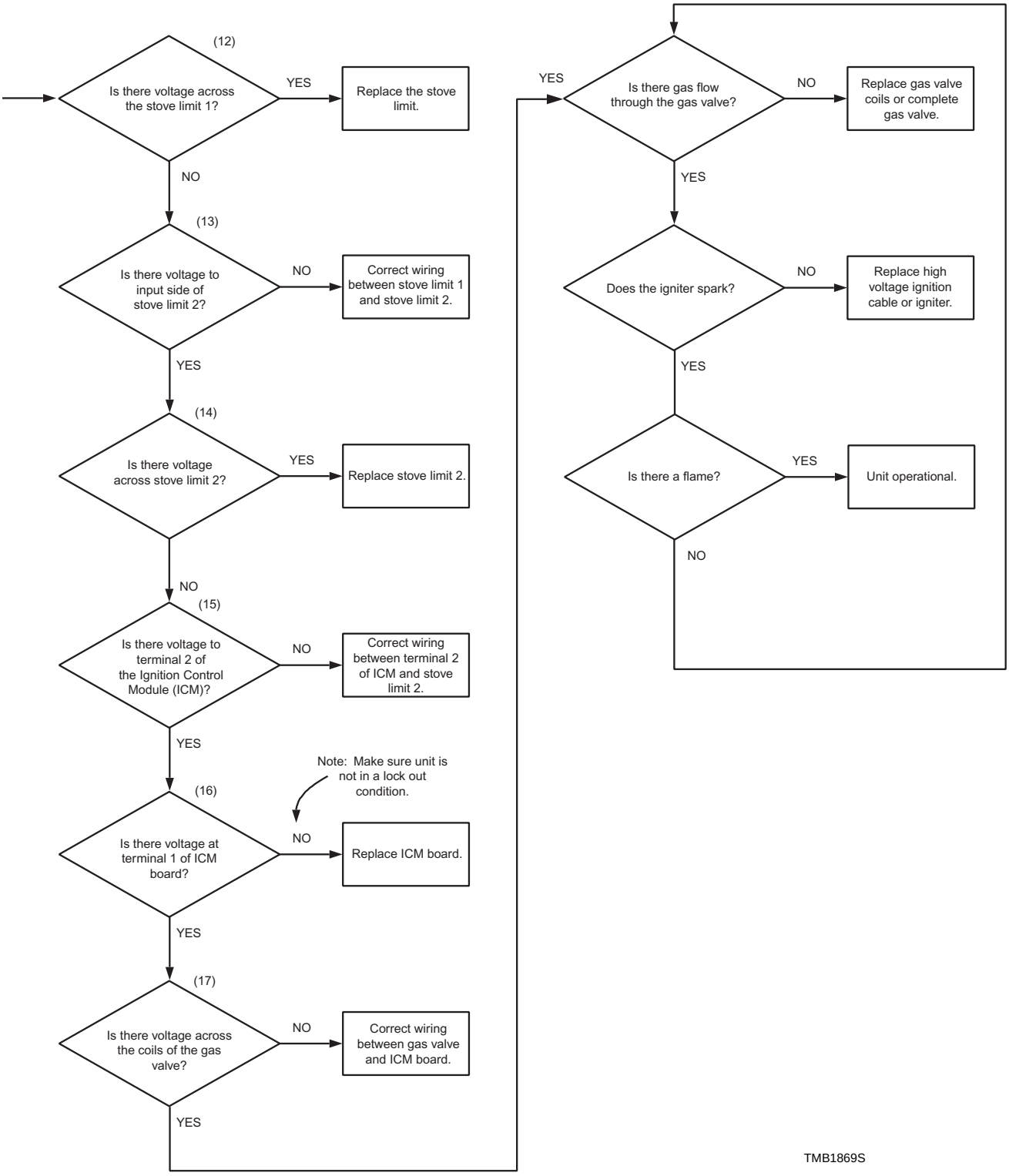
Note: Tests are conducted with unit running and calling for heat.

All voltage checks are referenced to transformer neutral.



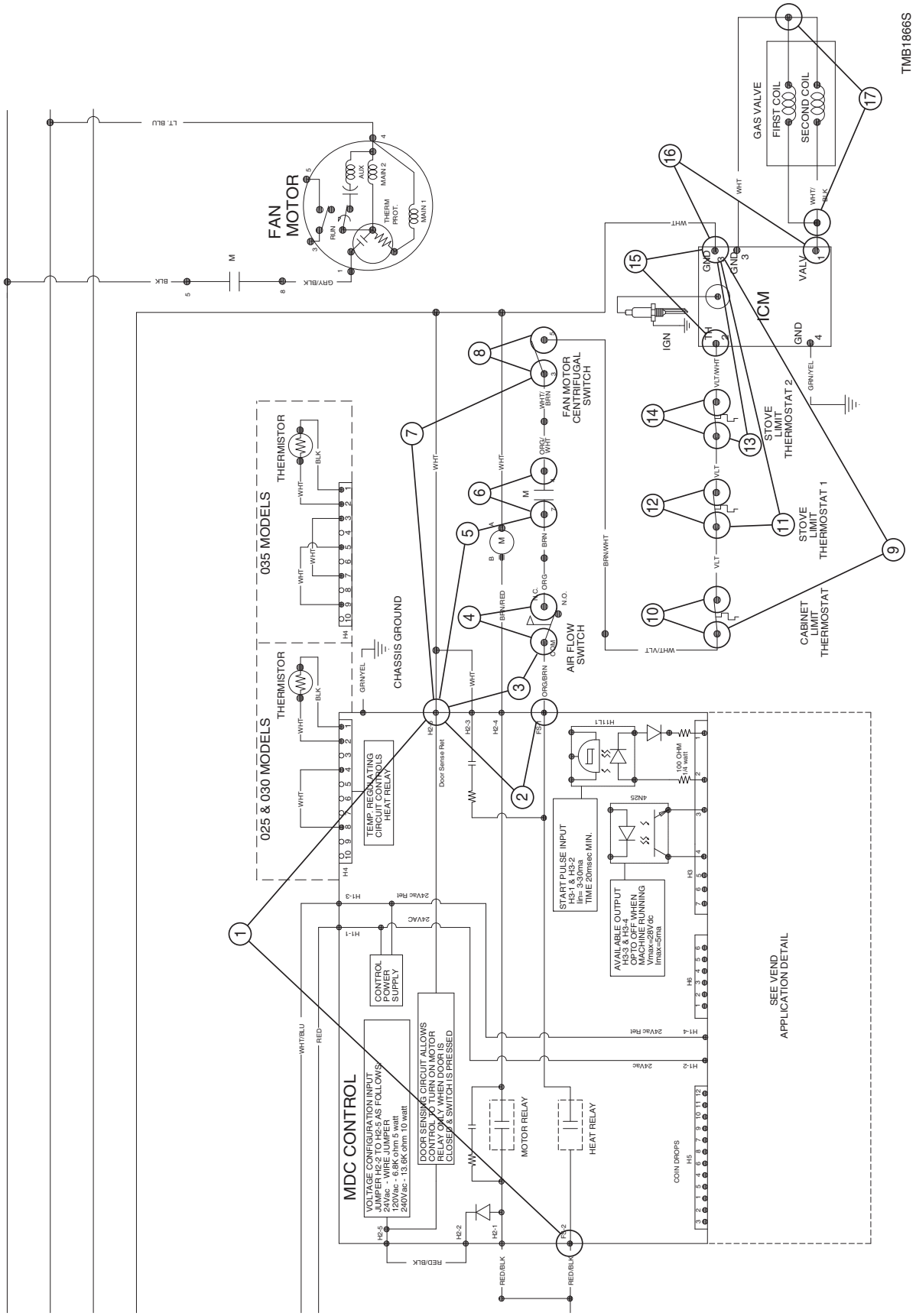
TMB1869S

54. Unit Will Not Heat – Gas (continued)



Please see following page for wiring diagram information.

Unit Will Not Heat – Gas

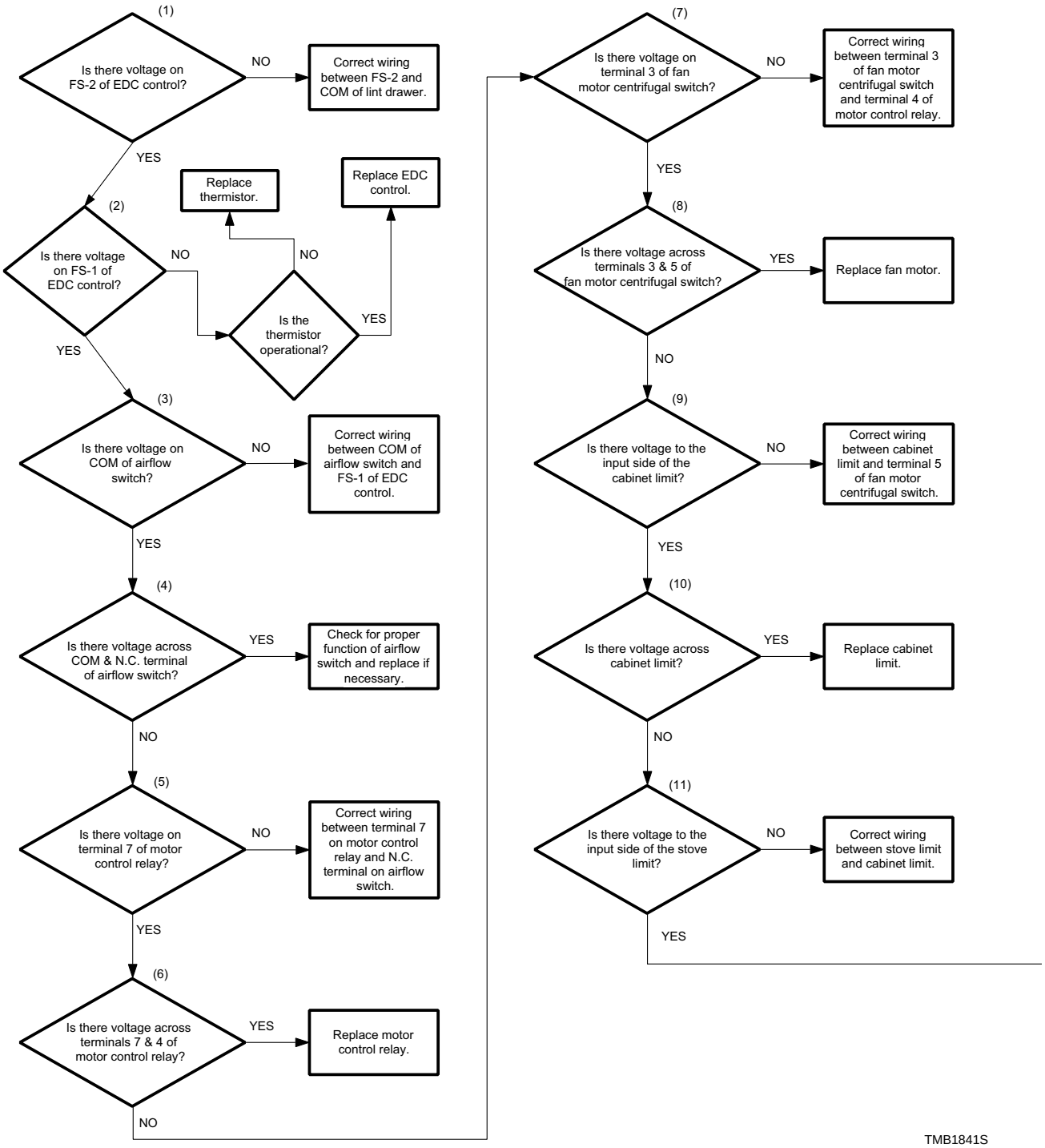


55. Unit Will Not Heat – Steam

Note: Tests are conducted with unit running and calling for heat.

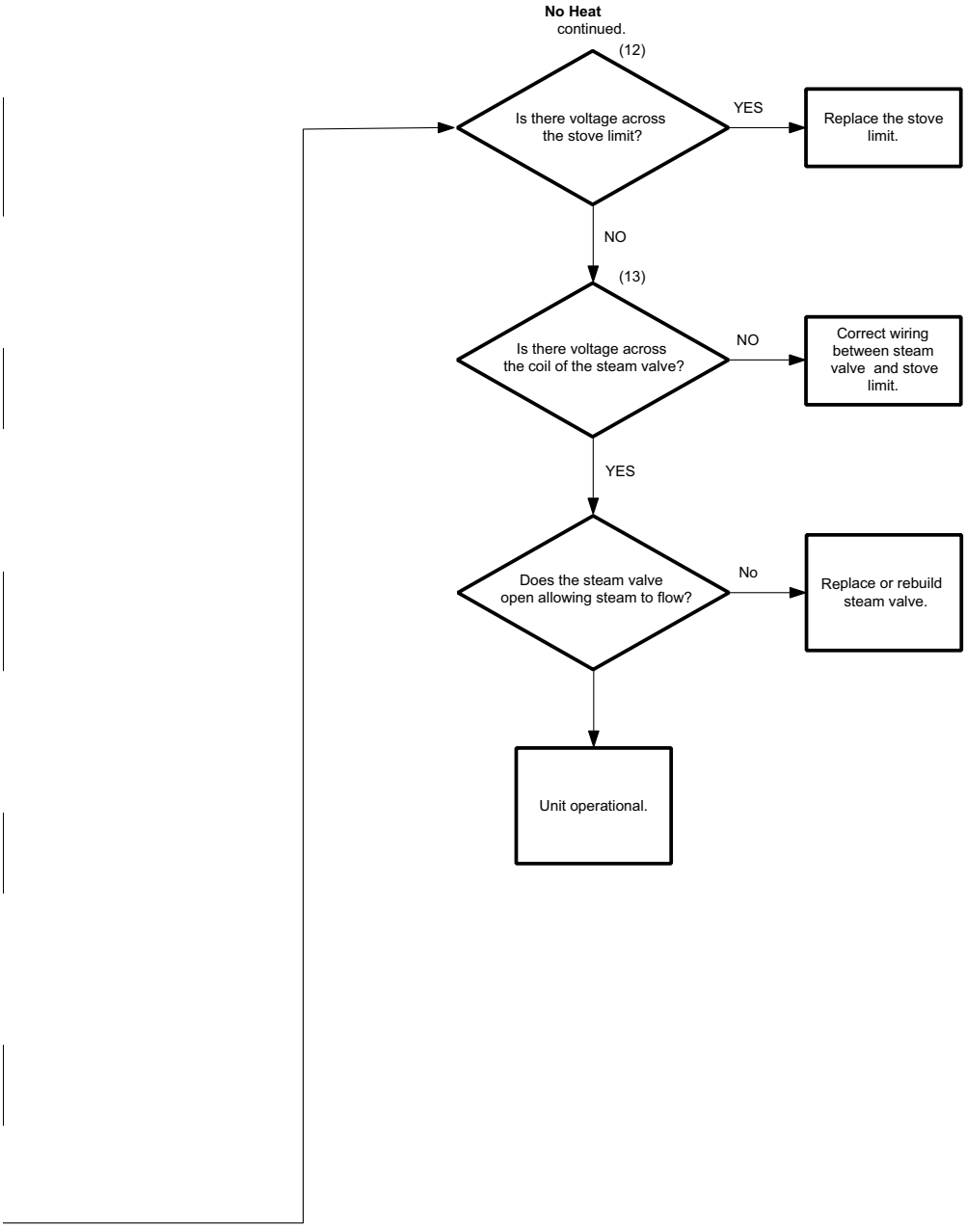
All voltage checks are referenced to transformer neutral.

Single and stacked units.



TMB1841S

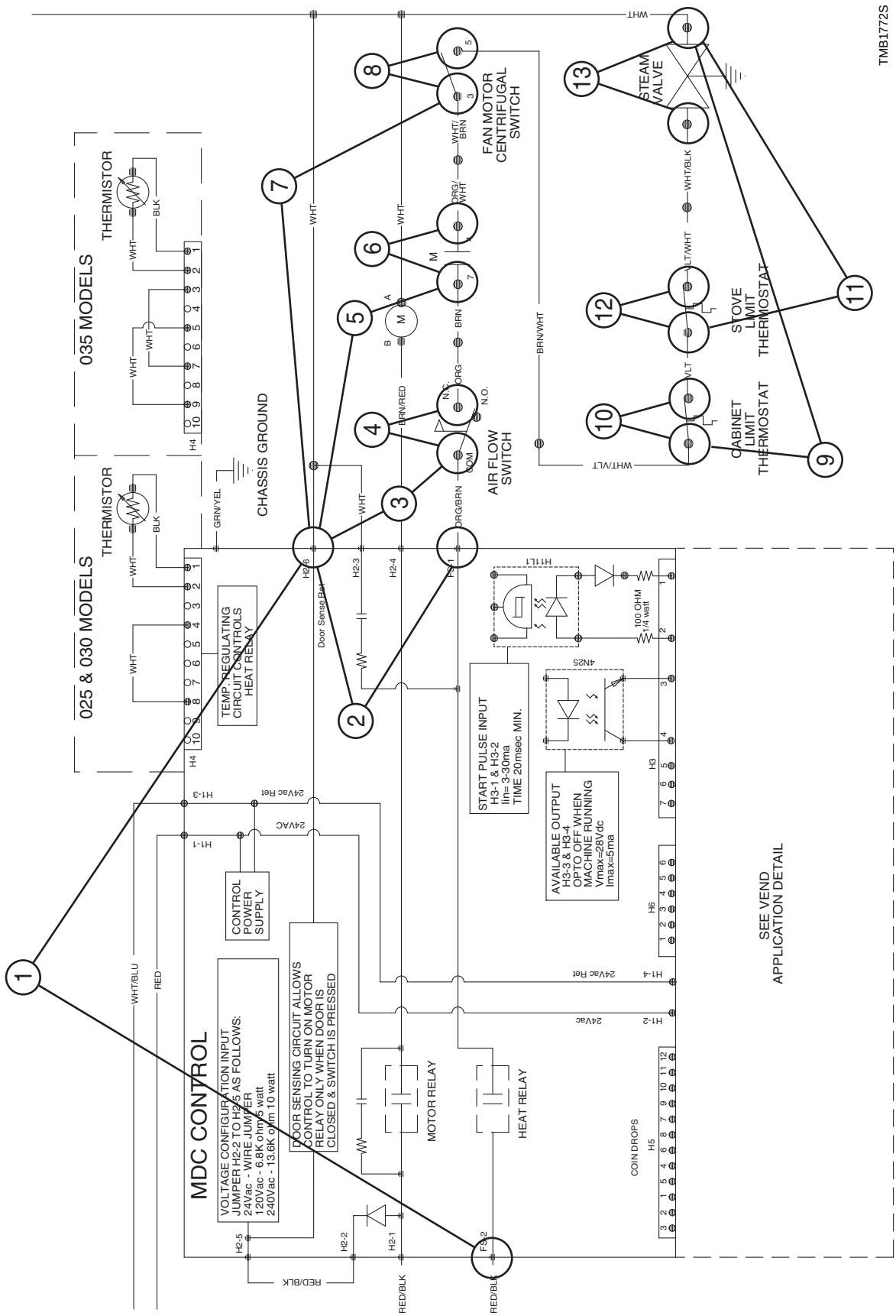
55. Unit Will Not Heat – Steam (continued)



TMB1841S

Please see following page for wiring diagram information.

Unit Will Not Heat – Steam

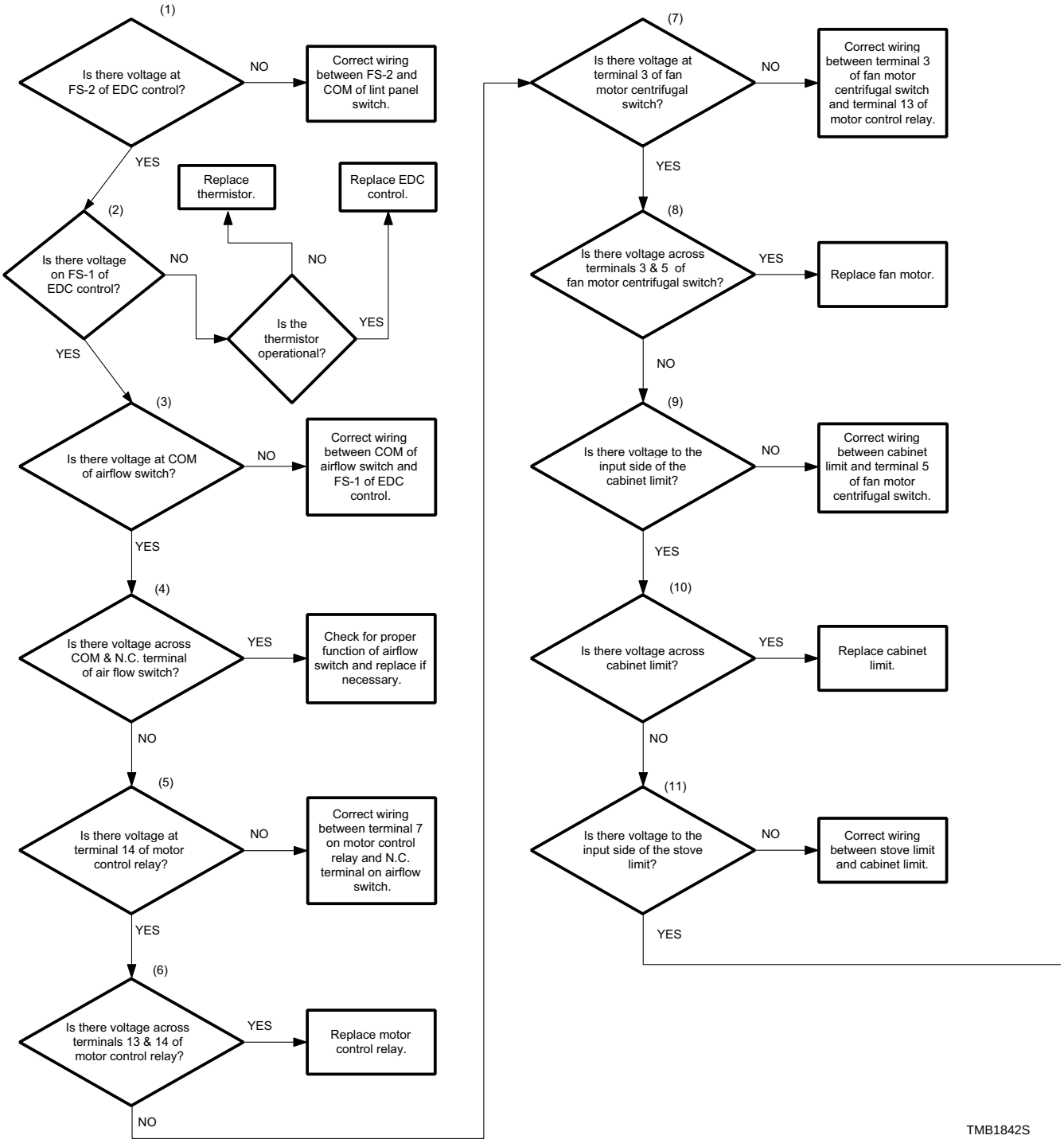


56. Unit Will Not Heat – Electric

Note: Tests are conducted with unit running and calling for heat.

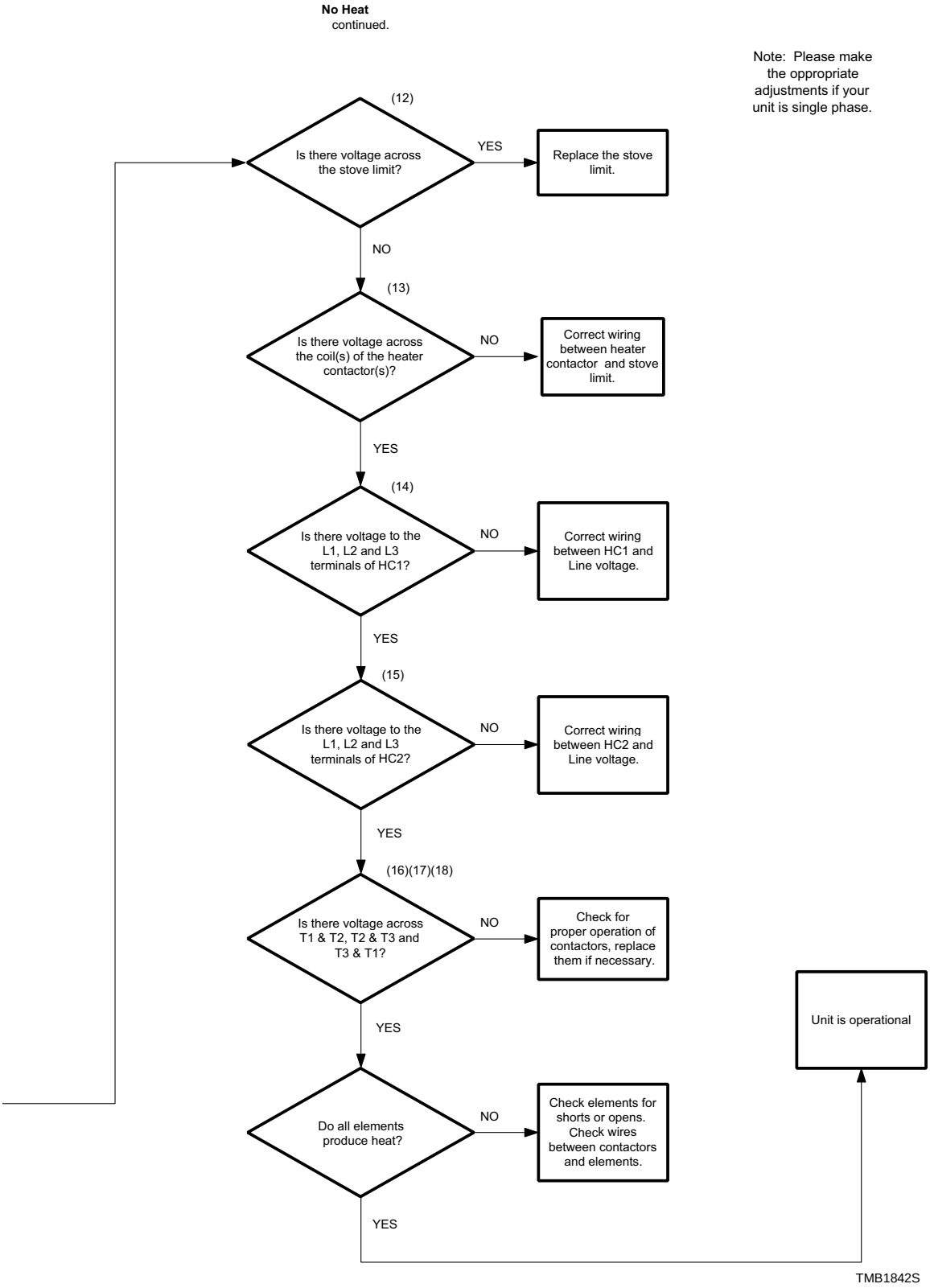
All voltage checks are referenced to transformer neutral.

Single and stacked units.



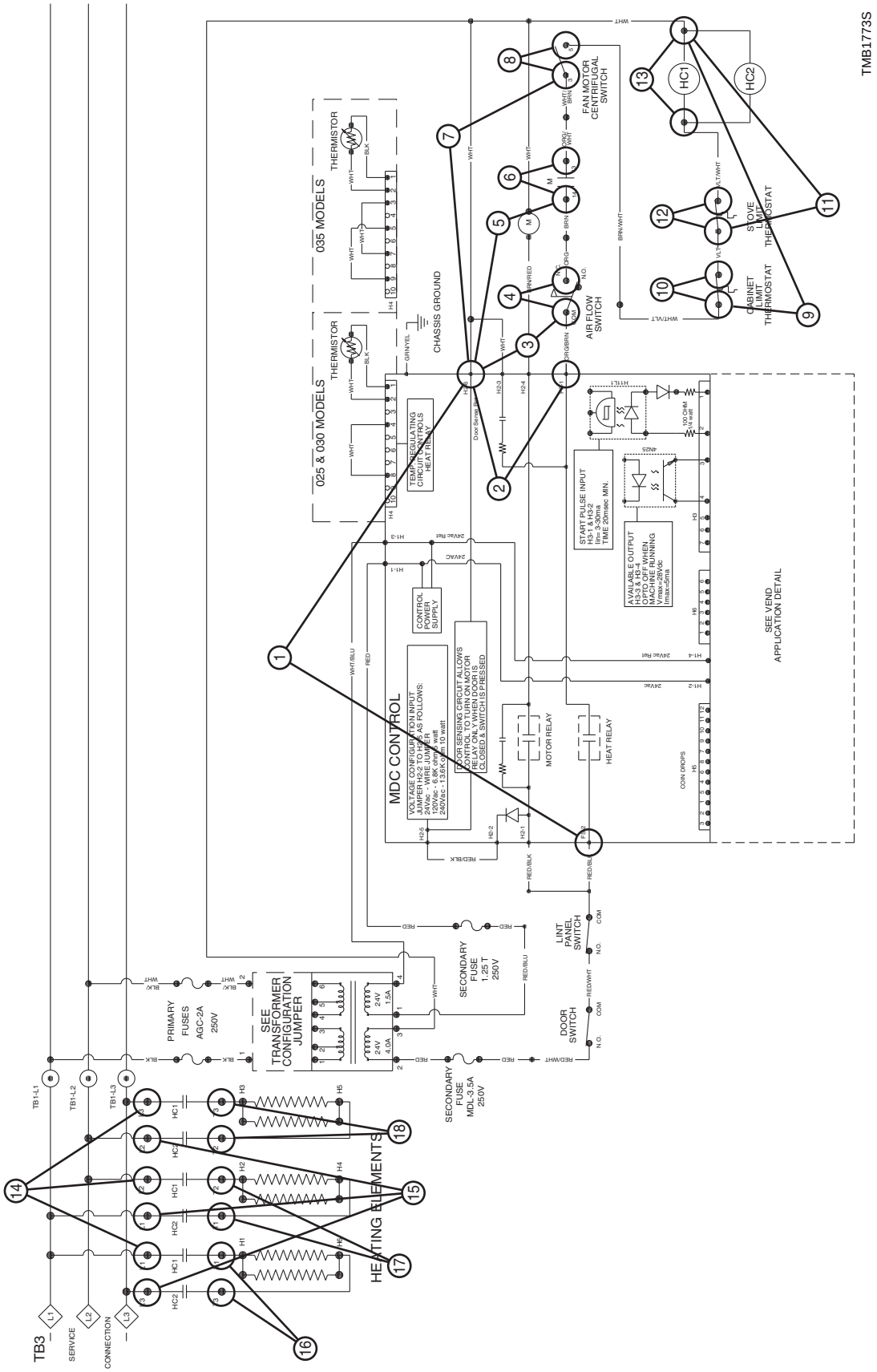
TMB1842S

56. Unit Will Not Heat – Electric (continued)



Please see following page for wiring diagram information.

Unit Will Not Heat – Electric



57. Error Codes

OP - Indicates physical “open” in the thermistor circuit. Possible causes are: 1) thermistor, 2) wiring between control and thermistor, 3) control.

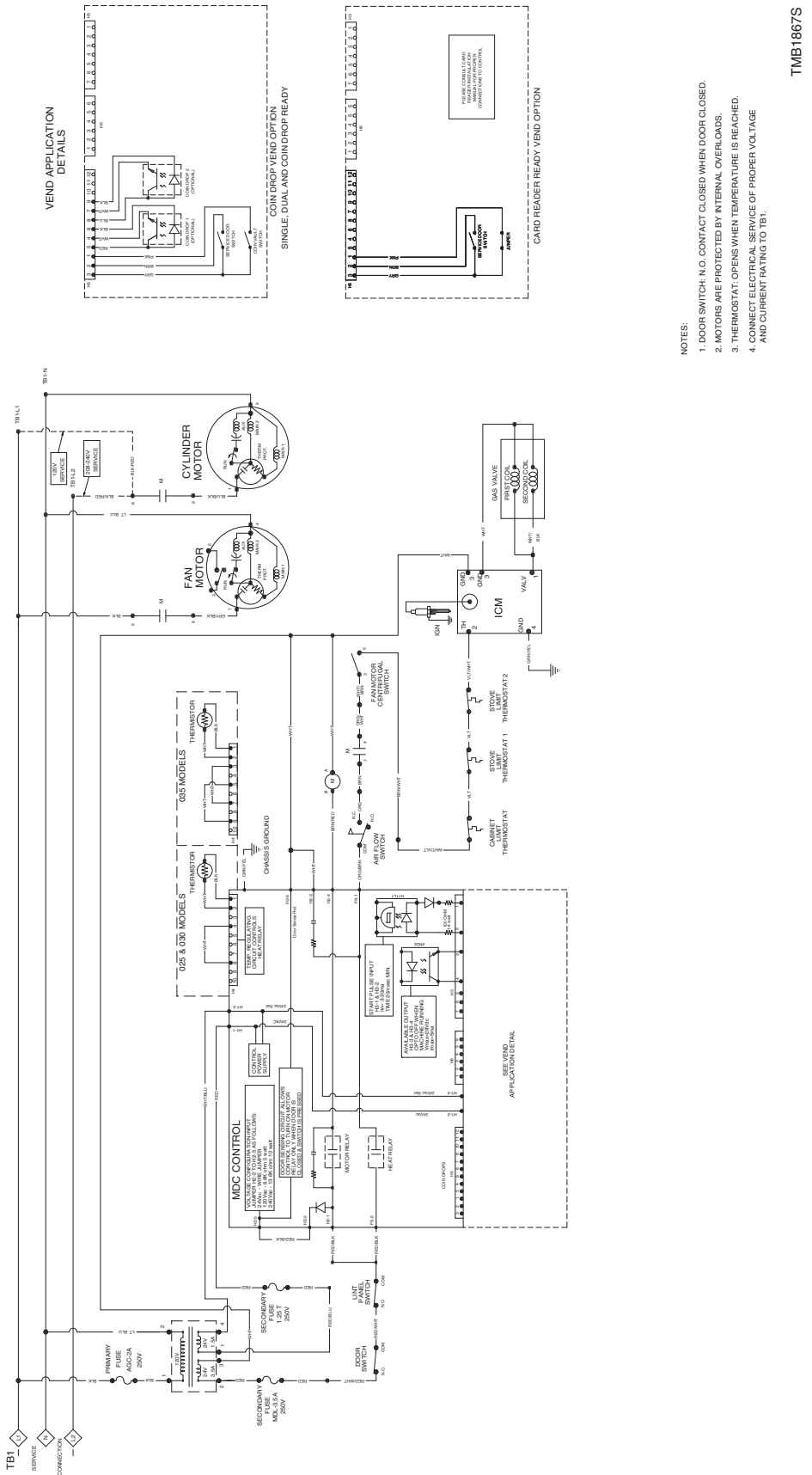
SH - Indicates a “short” in the thermistor circuit. Possible causes are: 1) shorted thermistor, 2) a short in the wiring between control and thermistor, 3) control.

Card Reader Machines: (In addition to the above errors)

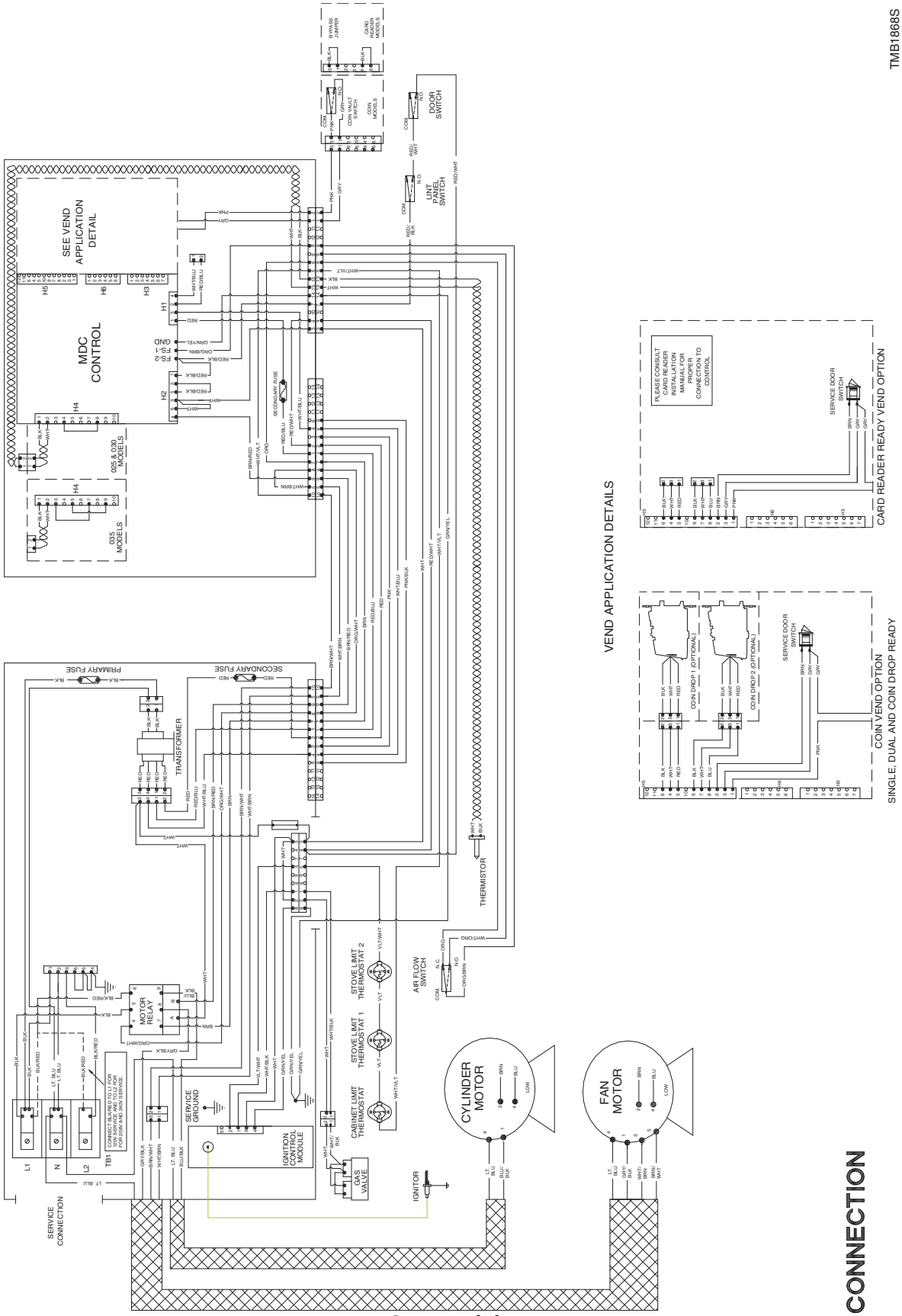
EC:19 - Indicates no card reader communication. The control and the reader cannot communicate. Check reader, control and harness.

NOTE: For all other card reader errors, consult the card reader manual provided by the manufacturer.

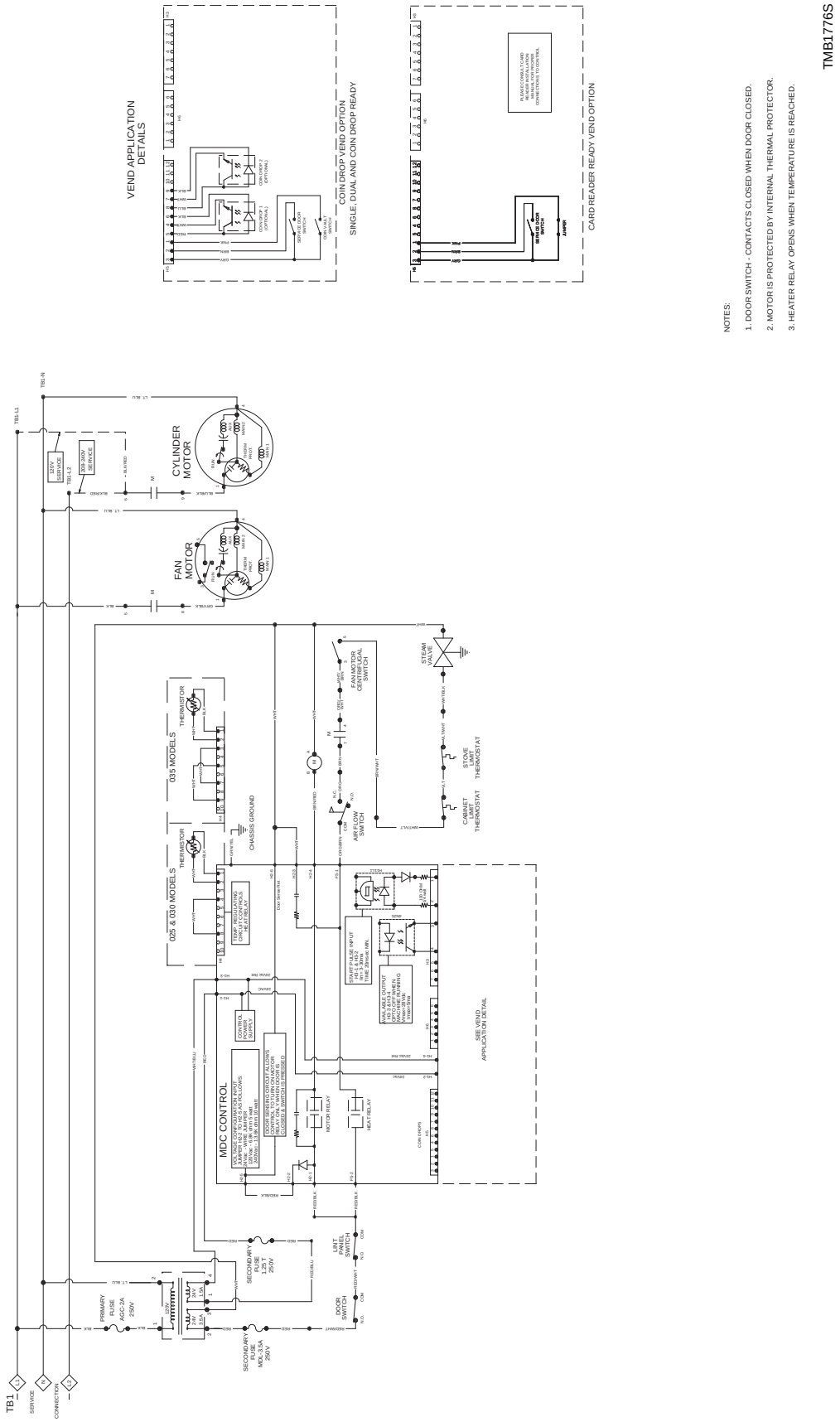
Display	Definition	Corrective Action
OP	Indicates an open circuit in the thermistor.	• Check thermistor. Replace if inoperative. • Check wiring between control and thermistor. Refer to wiring diagram for proper wiring. • Check control. Replace if inoperative.
SH	Indicates a short circuit in the thermistor.	• Check thermistor. Replace if inoperative. • Check wiring between control and thermistor. Refer to wiring diagram for proper wiring. • Check control. Replace if inoperative.
EC:19 *Card Reader models only	Indicates no communication between control and card reader.	• Check card reader. Replace if inoperative. • Check wire harness connecting card reader and control. Replace if inoperative. • Check control. Replace if inoperative.



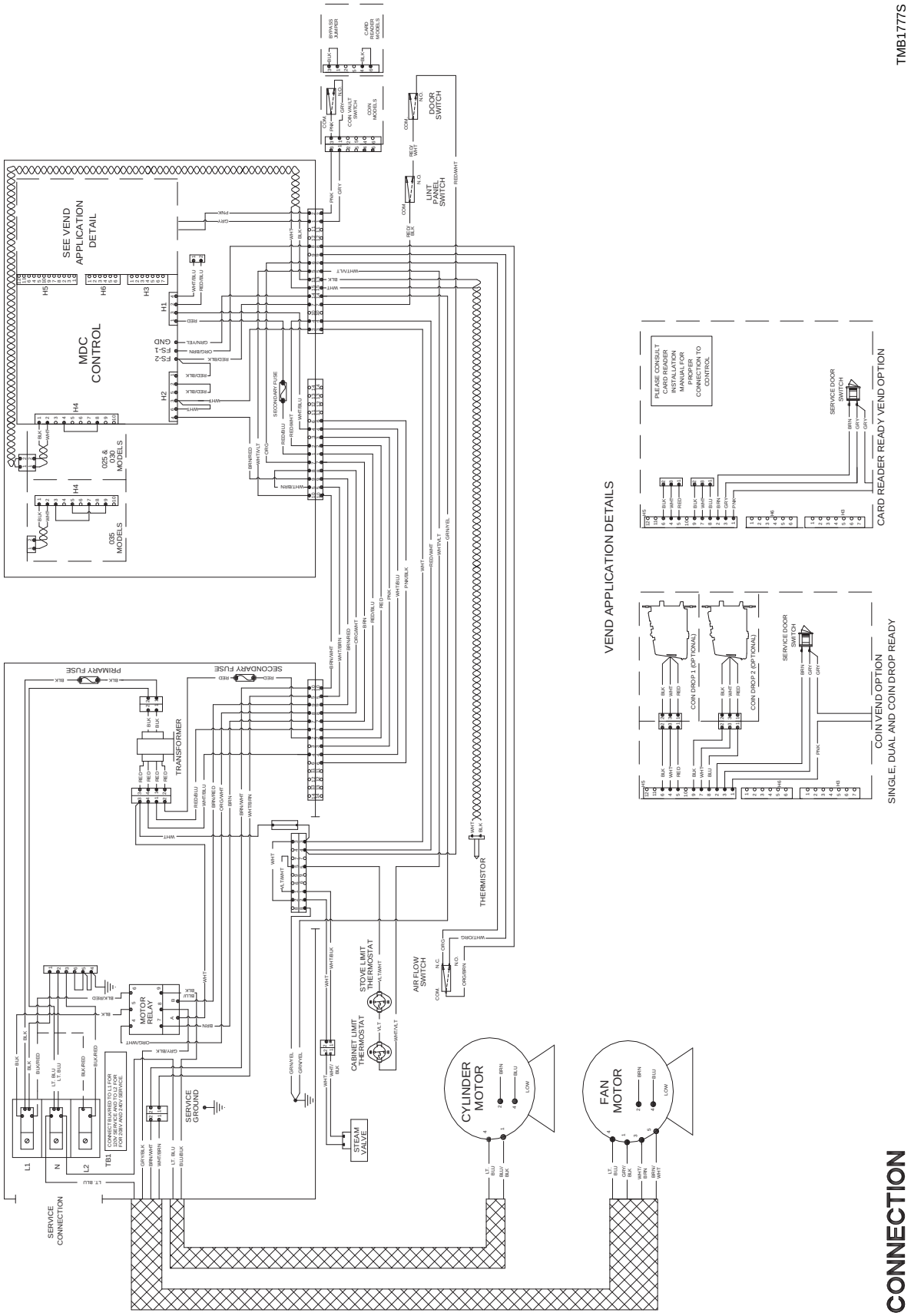
Gas Models Schematic



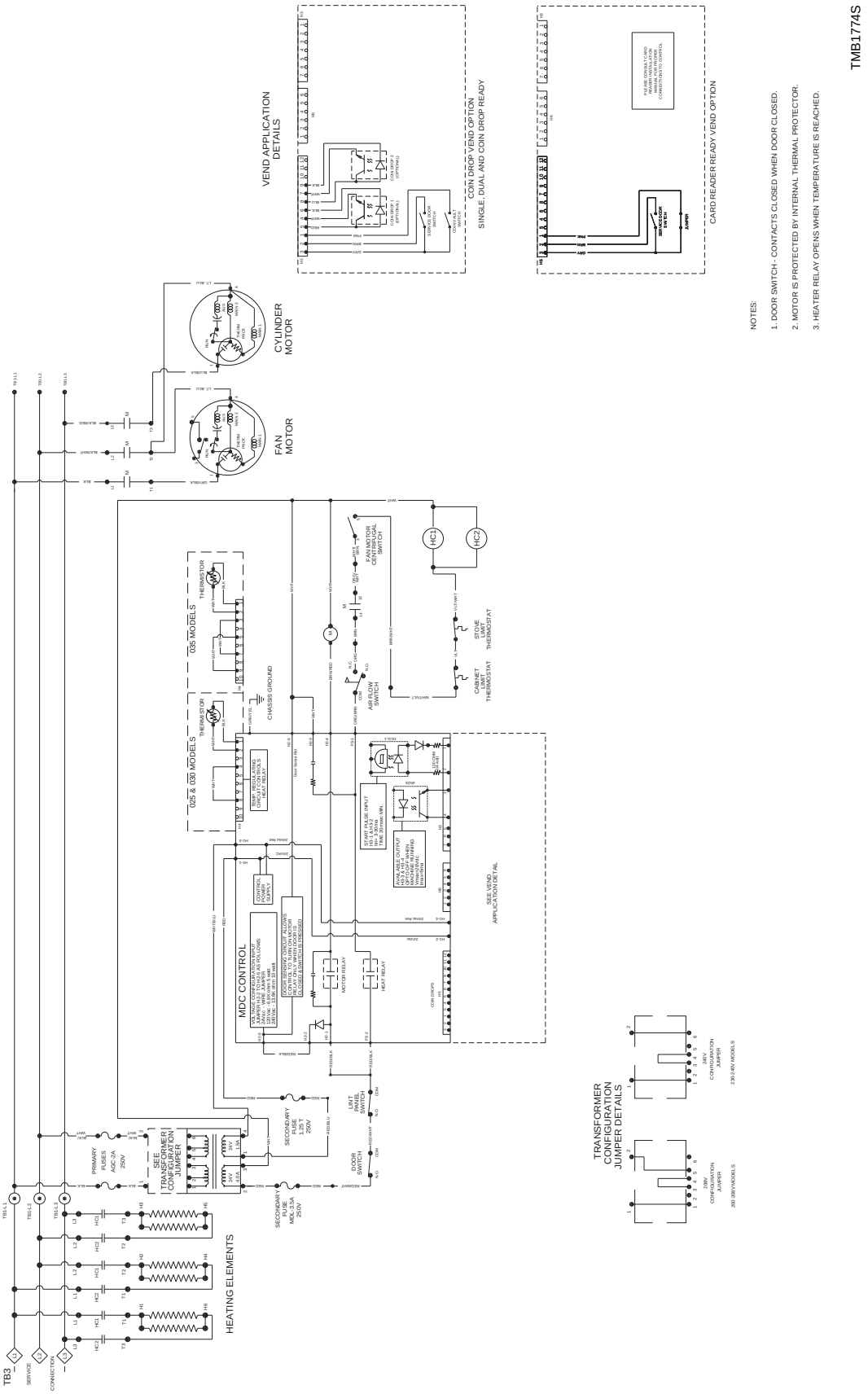
Gas Models
Connection Diagram



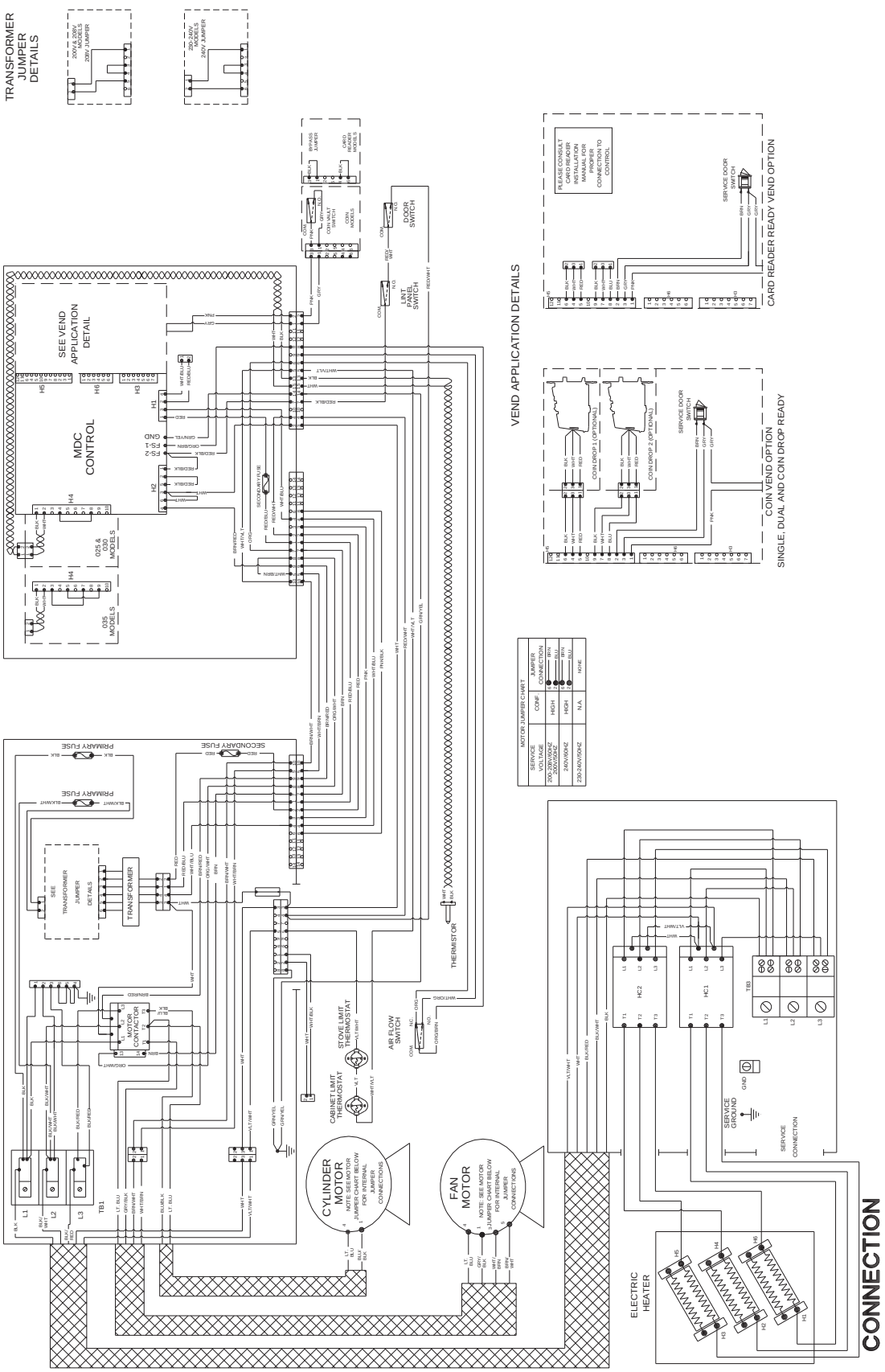
Steam Models Schematic



Steam Models
Connection Diagram



Electric Models
Schematic



Electric Models
Connection Diagram

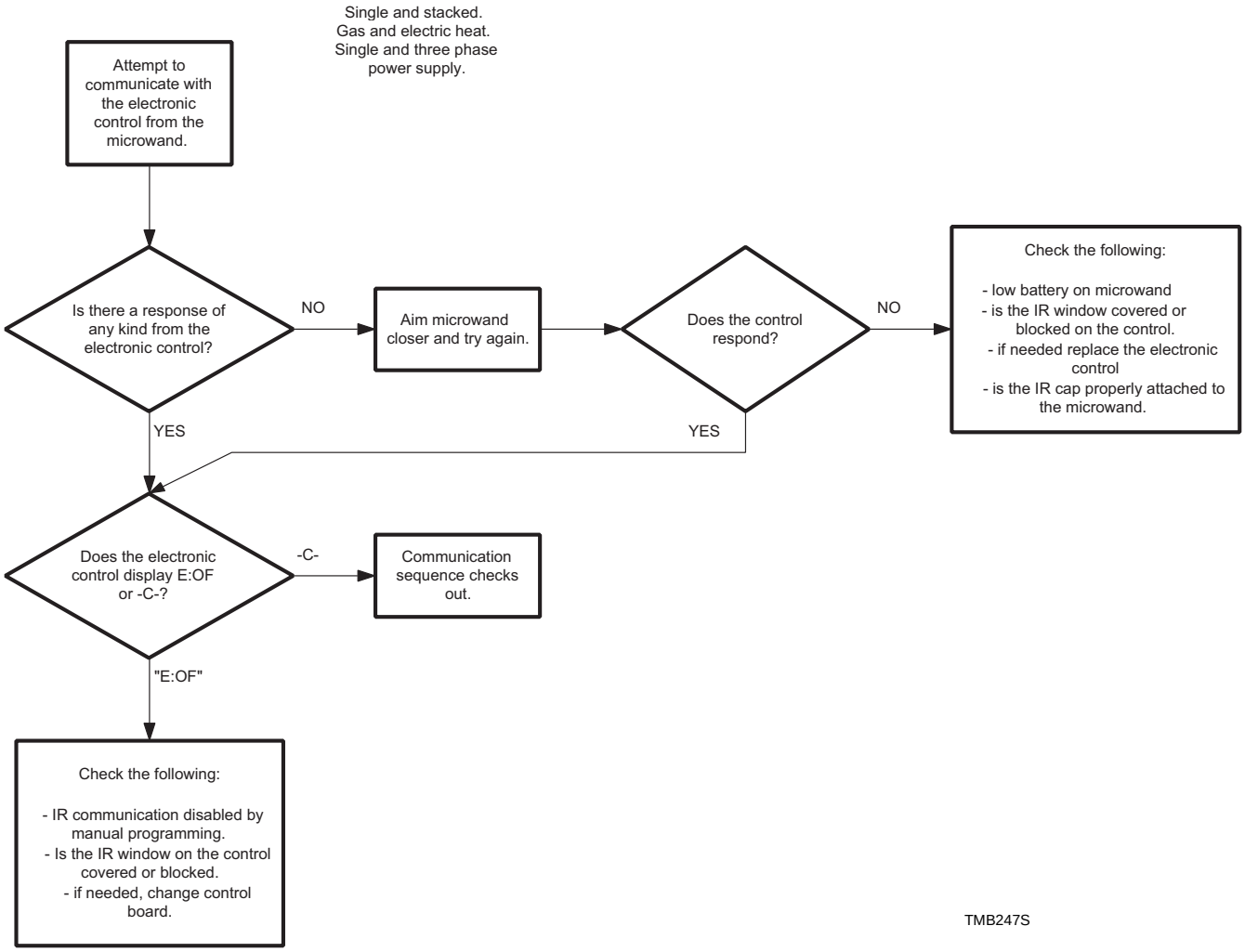
Section 7
NetMaster Troubleshooting

WARNING

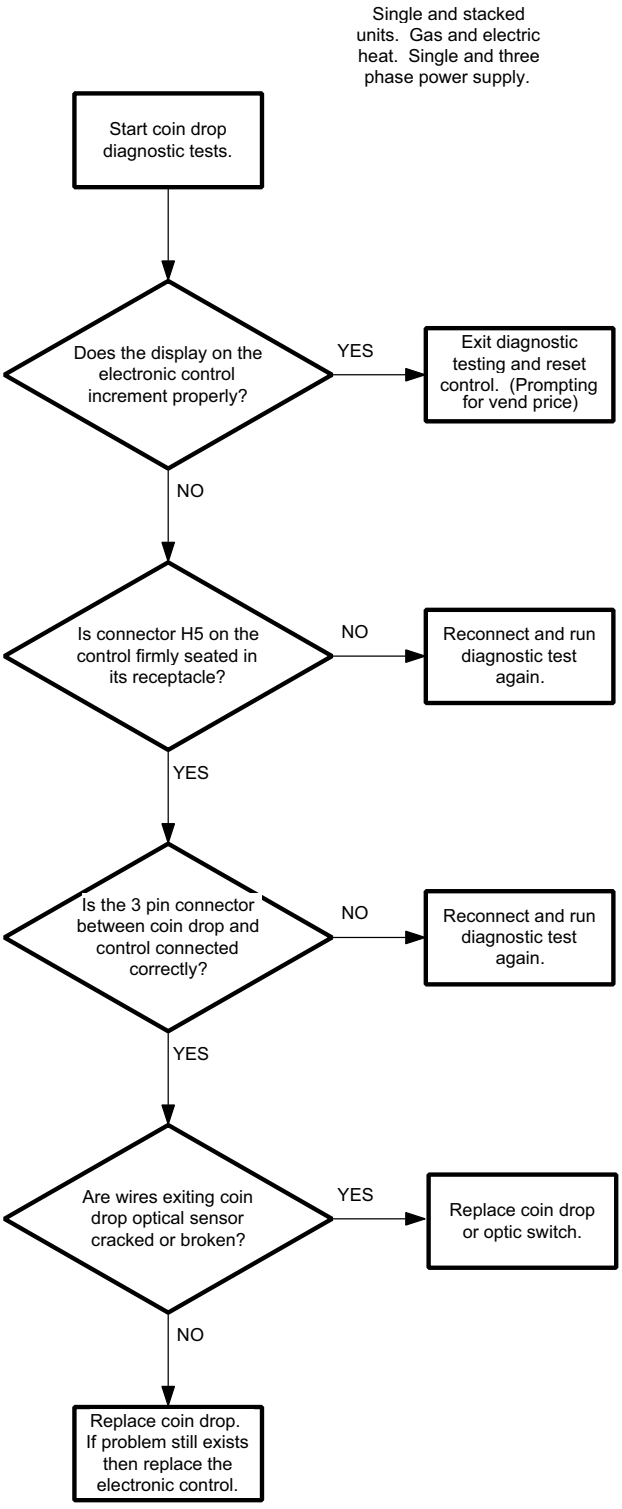
To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the tumble dryer before servicing.**
- **Close gas shut-off valve to gas tumble dryer before servicing.**
- **Close steam valve to steam tumble dryer before servicing.**
- **Never start the tumble dryer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the tumble dryer is properly grounded.**

W002R1

58. No IR Communication

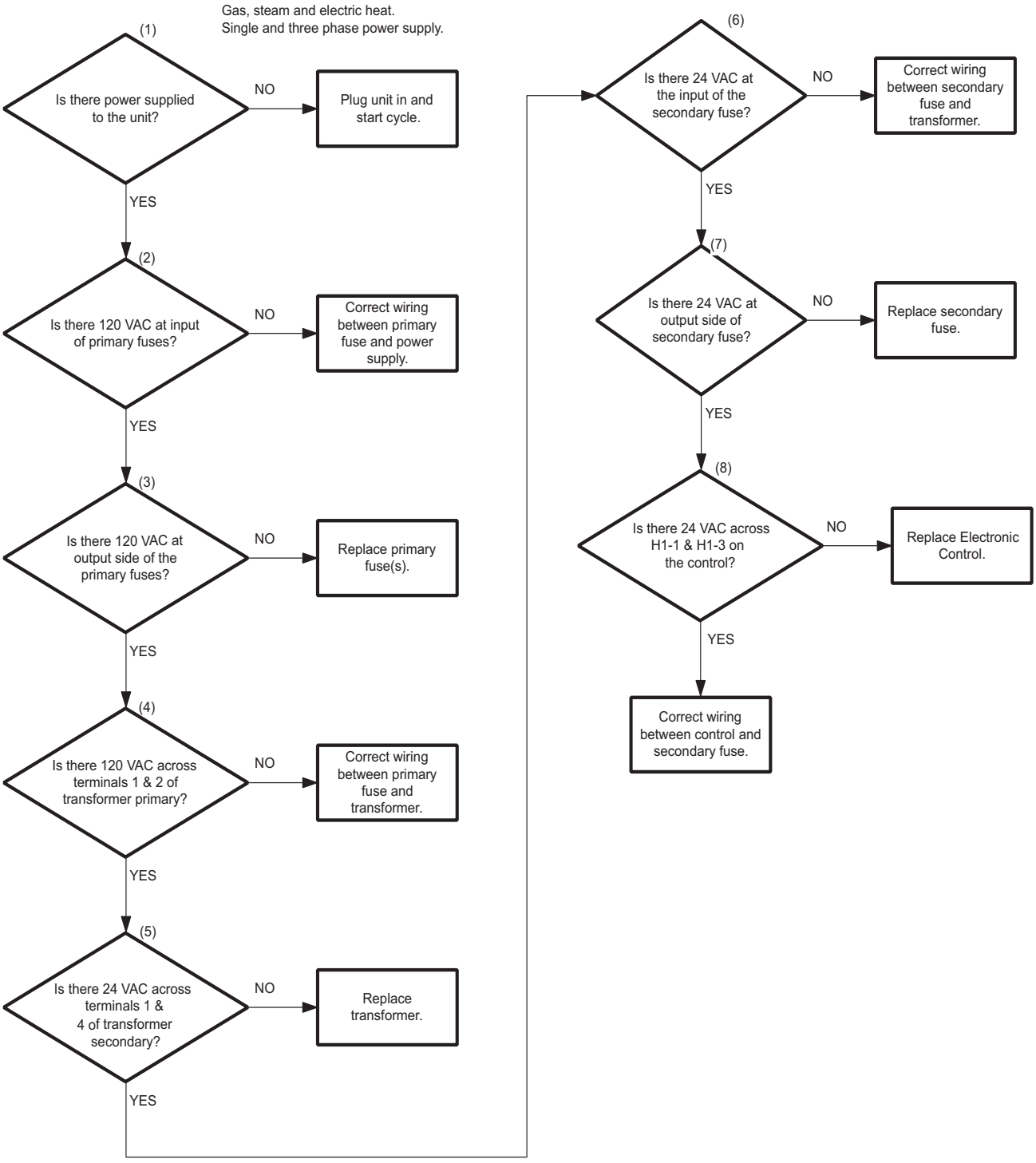


59. Coins Ignored When Entered



TMB1843S

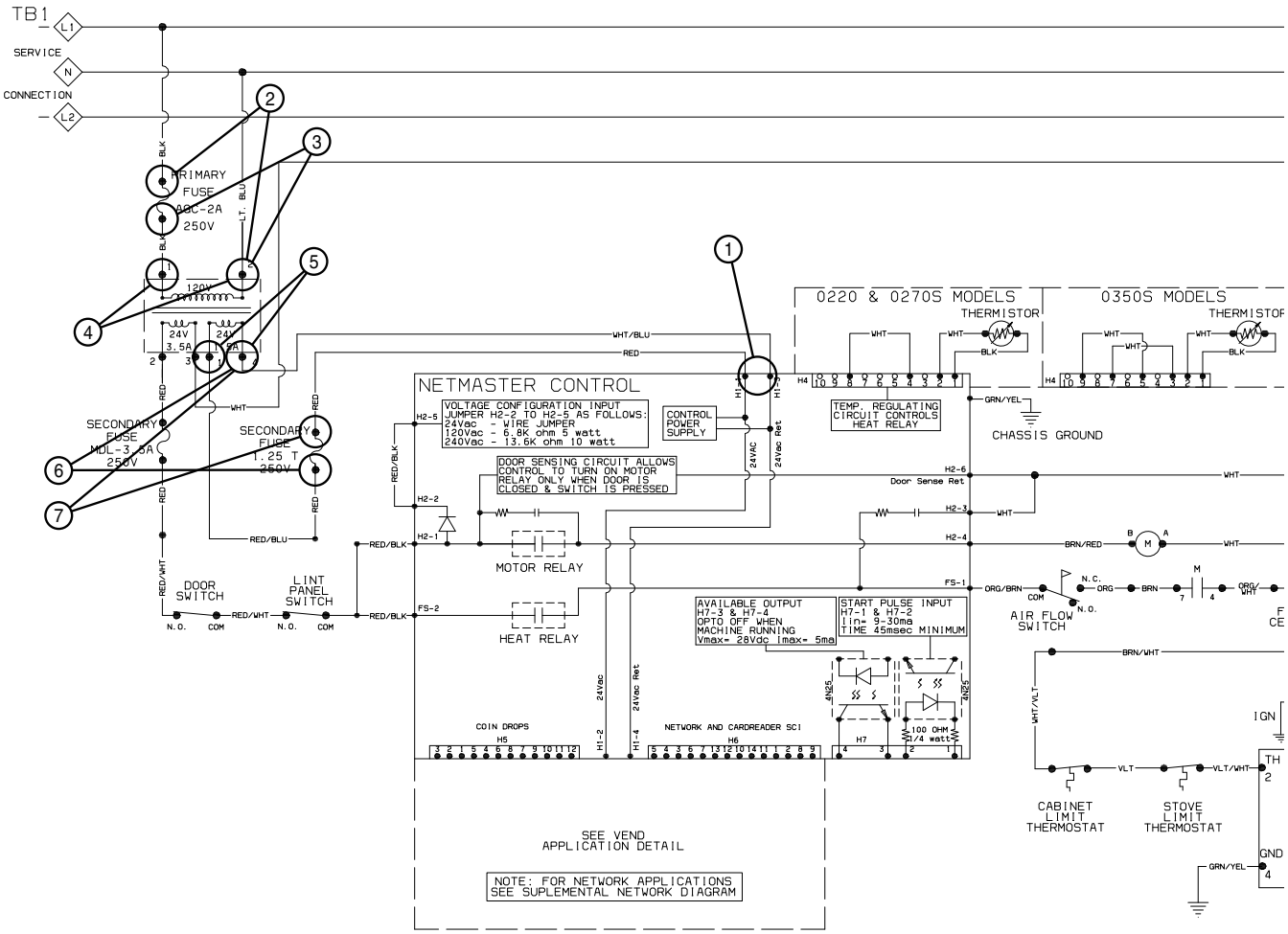
60. Control Has No Display



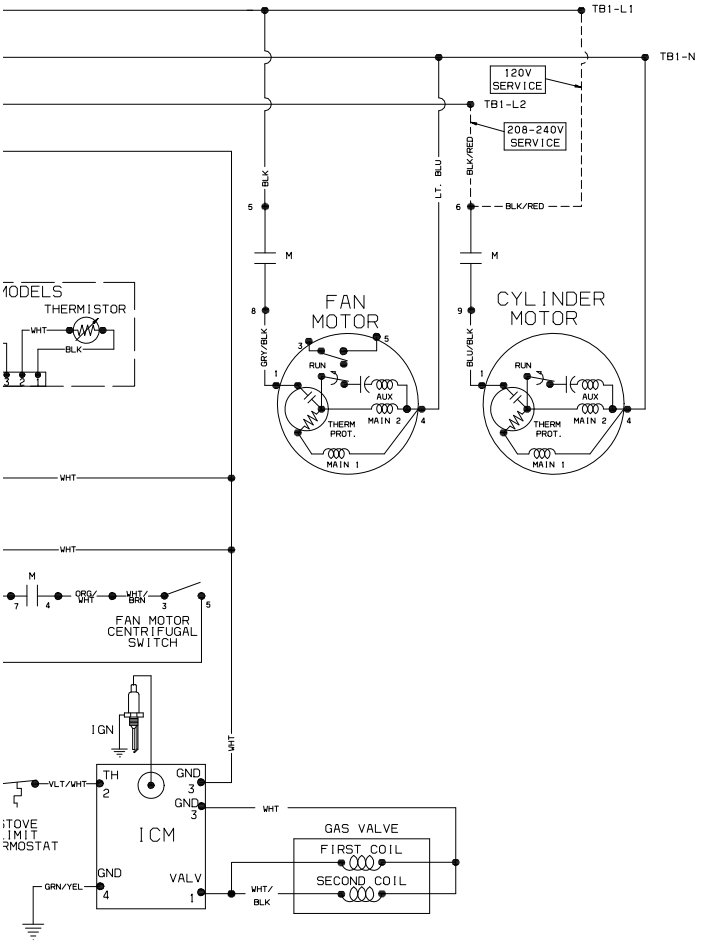
TMB249S

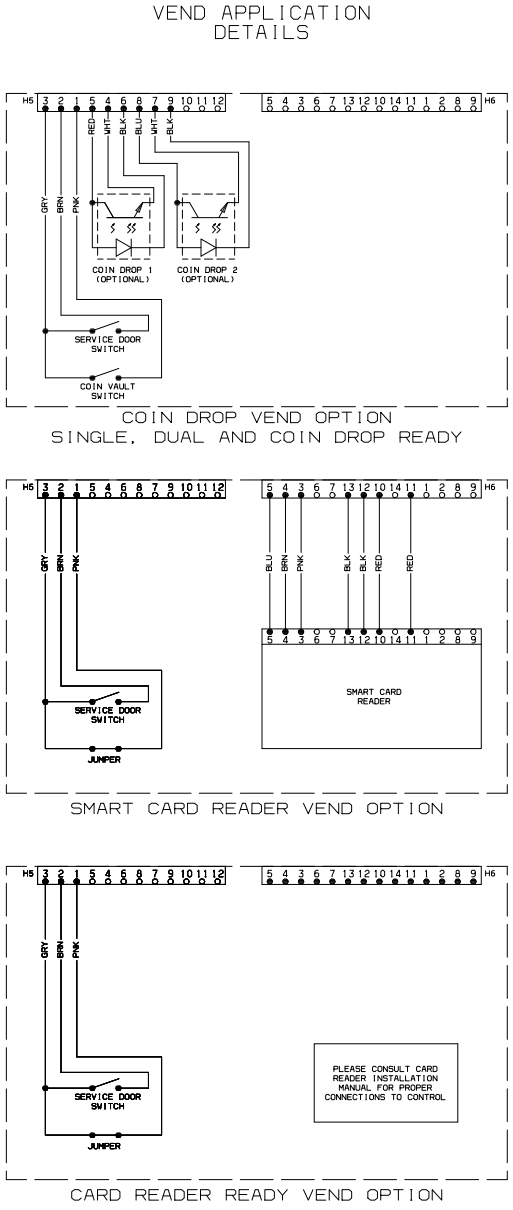
Please see following 2 pages for wiring diagram information.

Control Has No Display (Sheet 1 of 2)



Control Has No Display (Sheet 2 of 2)



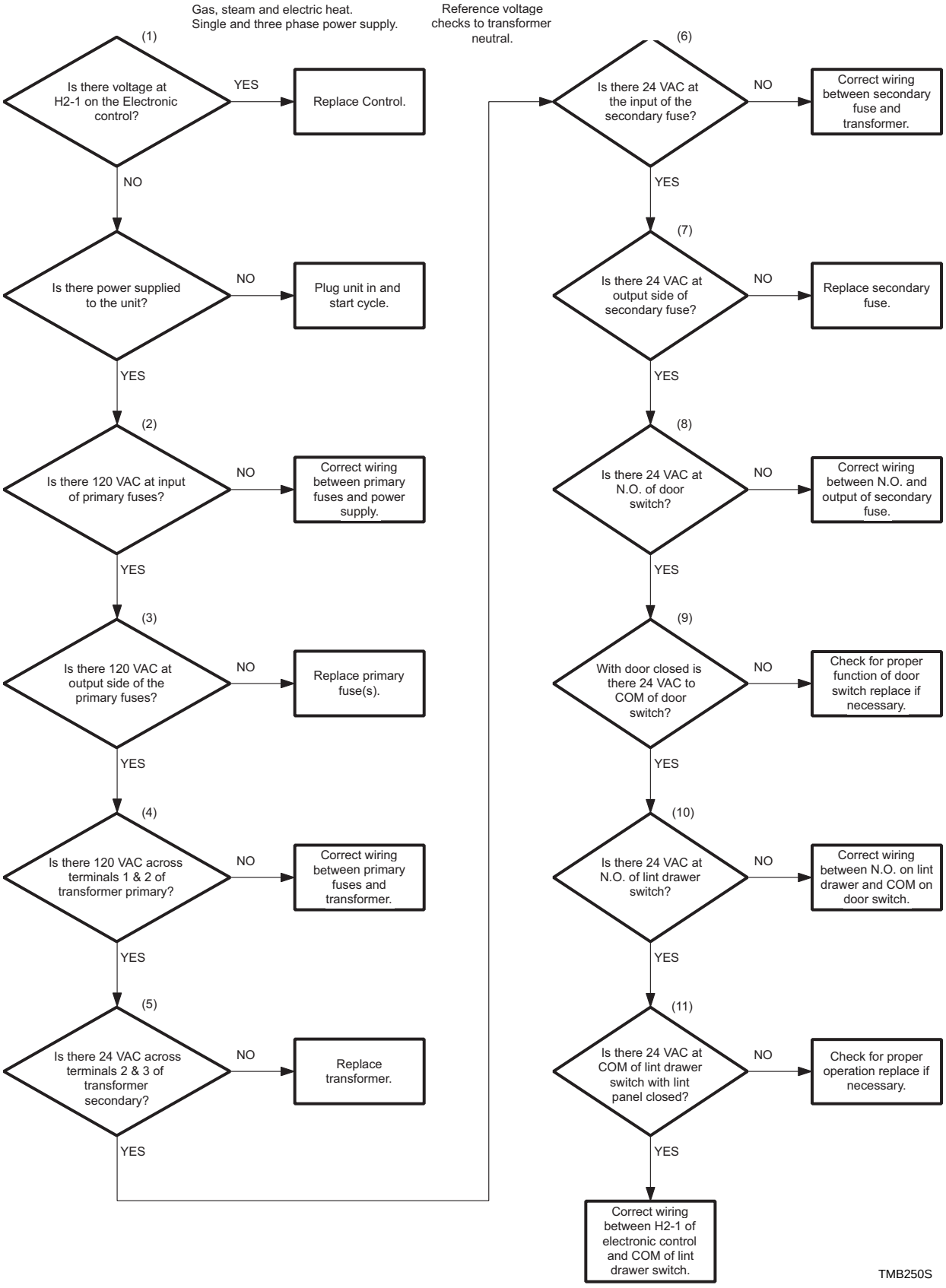


NOTES:

1. DOOR SWITCH - CONTACTS CLOSED WHEN DOOR CLOSED.
2. MOTOR IS PROTECTED BY INTERNAL THERMAL PROTECTOR.
3. HEATER RELAY OPENS WHEN TEMPERATURE IS REACHED.
4. IGNITER GROUNDED INTERNALLY TO BRACKET.

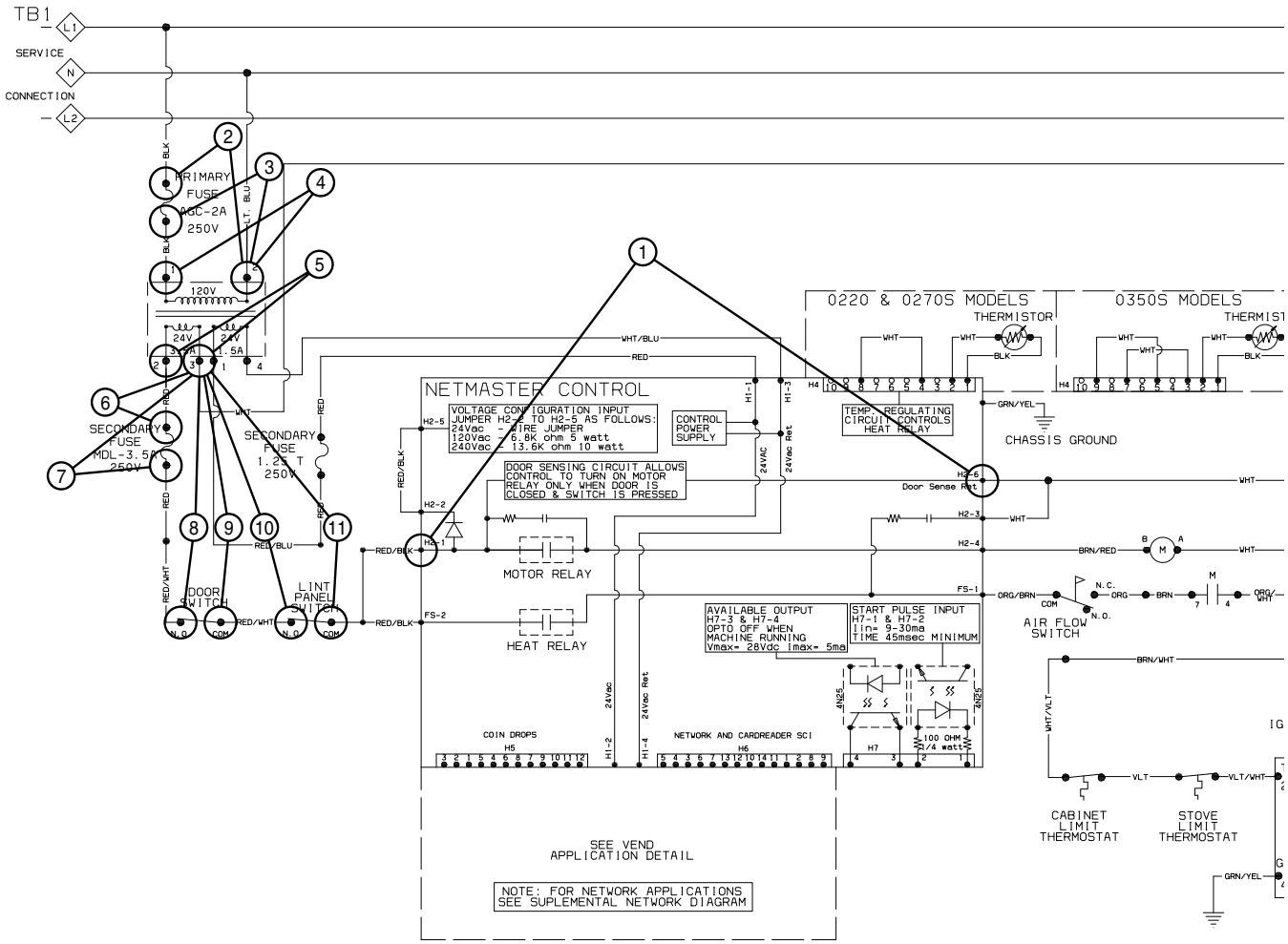
TMB269S

61. Door Open Indicator

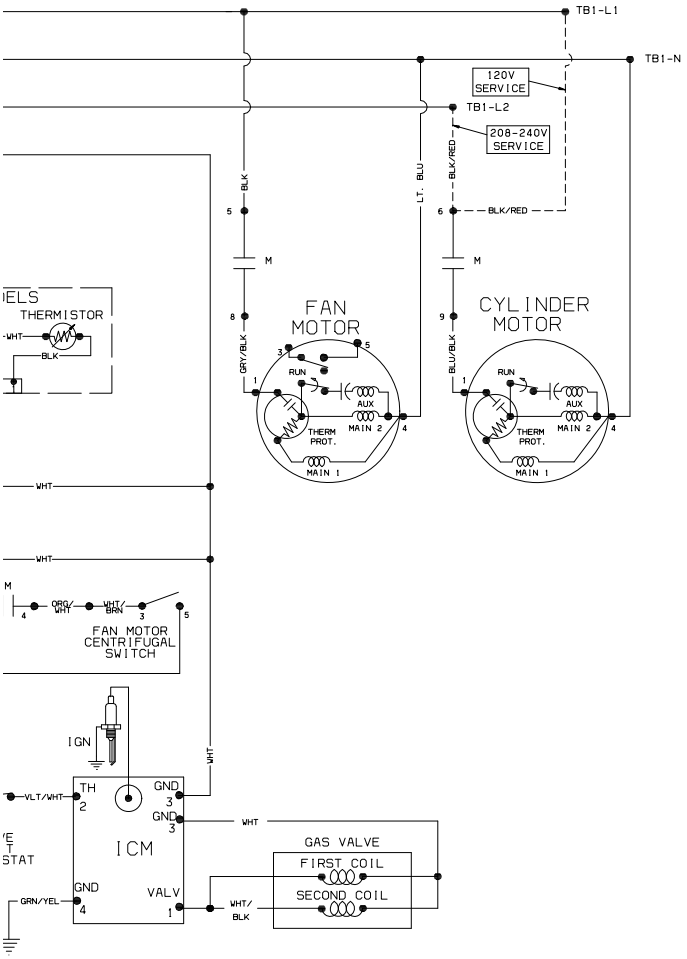


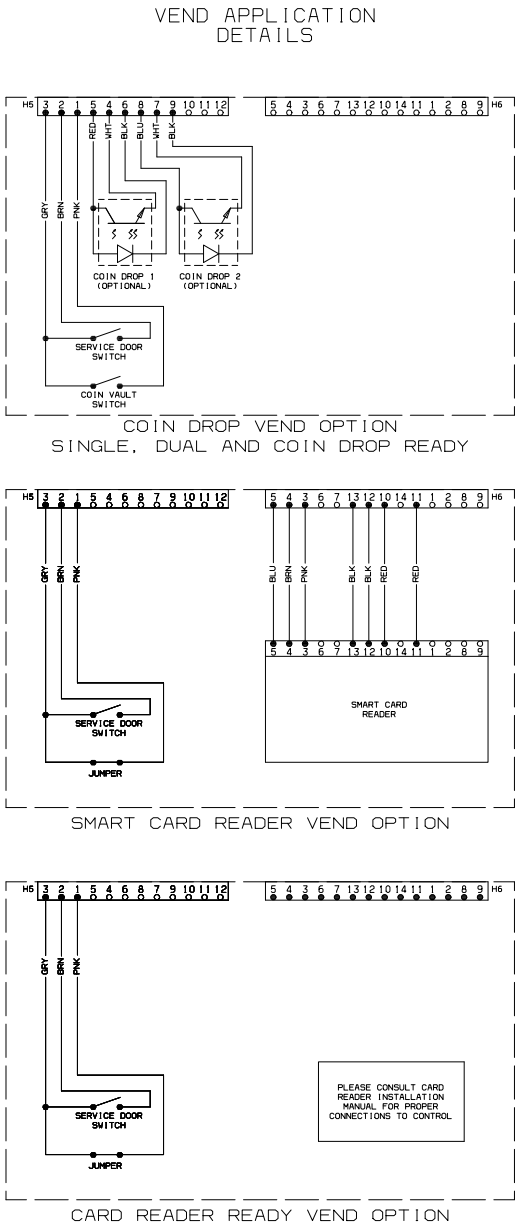
Please see following 2 pages for wiring diagram information.

Door Open Indicator (Sheet 1 of 2)



Door Open Indicator (Sheet 2 of 2)



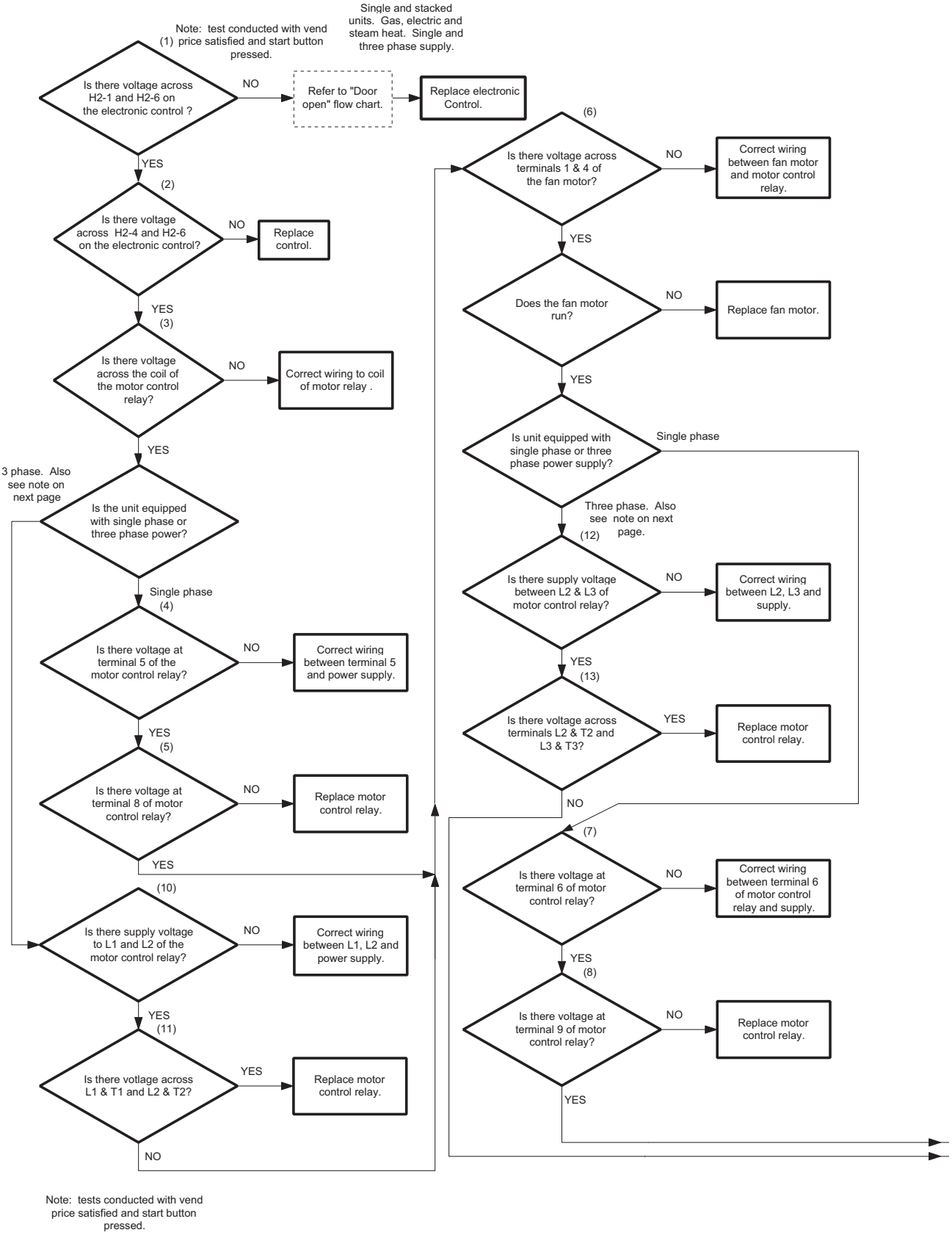


NOTES:

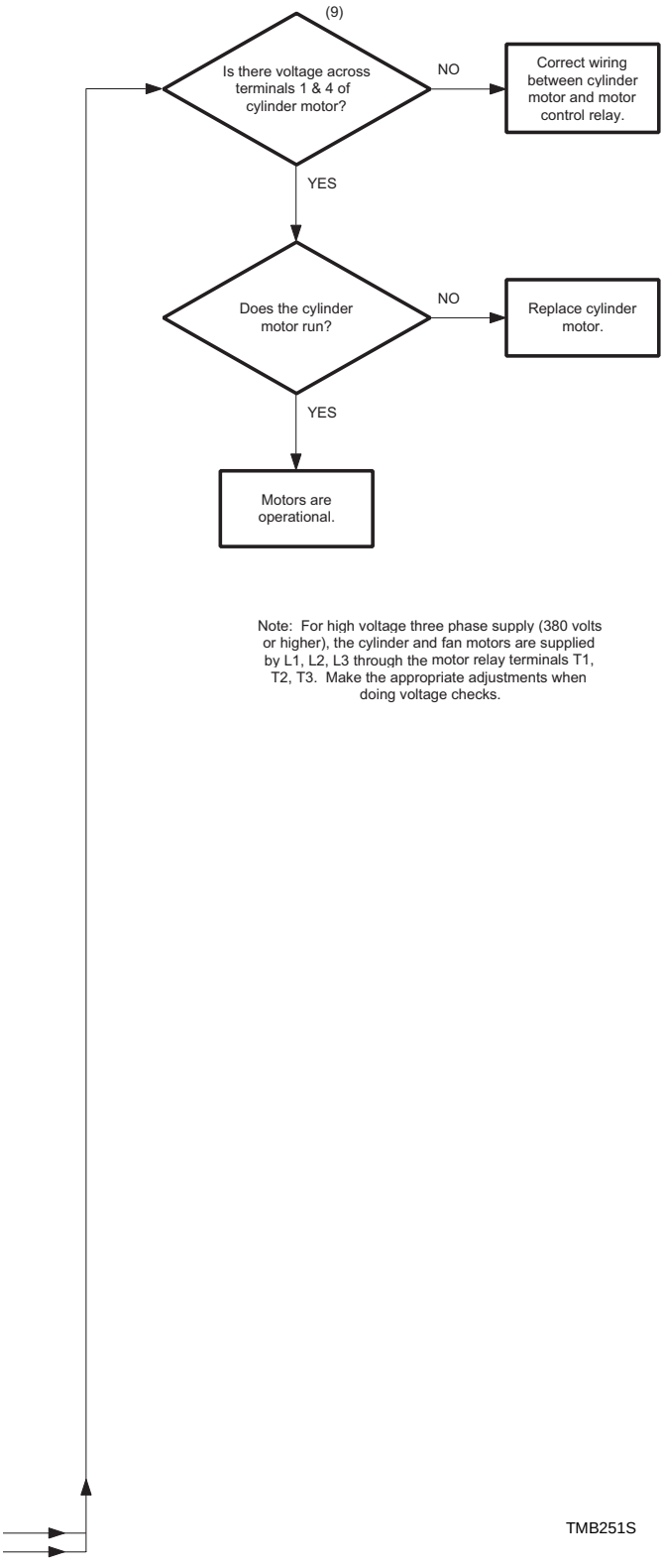
1. DOOR SWITCH - CONTACTS CLOSED WHEN DOOR CLOSED.
2. MOTOR IS PROTECTED BY INTERNAL THERMAL PROTECTOR.
3. HEATER RELAY OPENS WHEN TEMPERATURE IS REACHED.
4. IGNITER GROUNDED INTERNALLY TO BRACKET.

TMB270S

62. Motor Will Not Start/Run

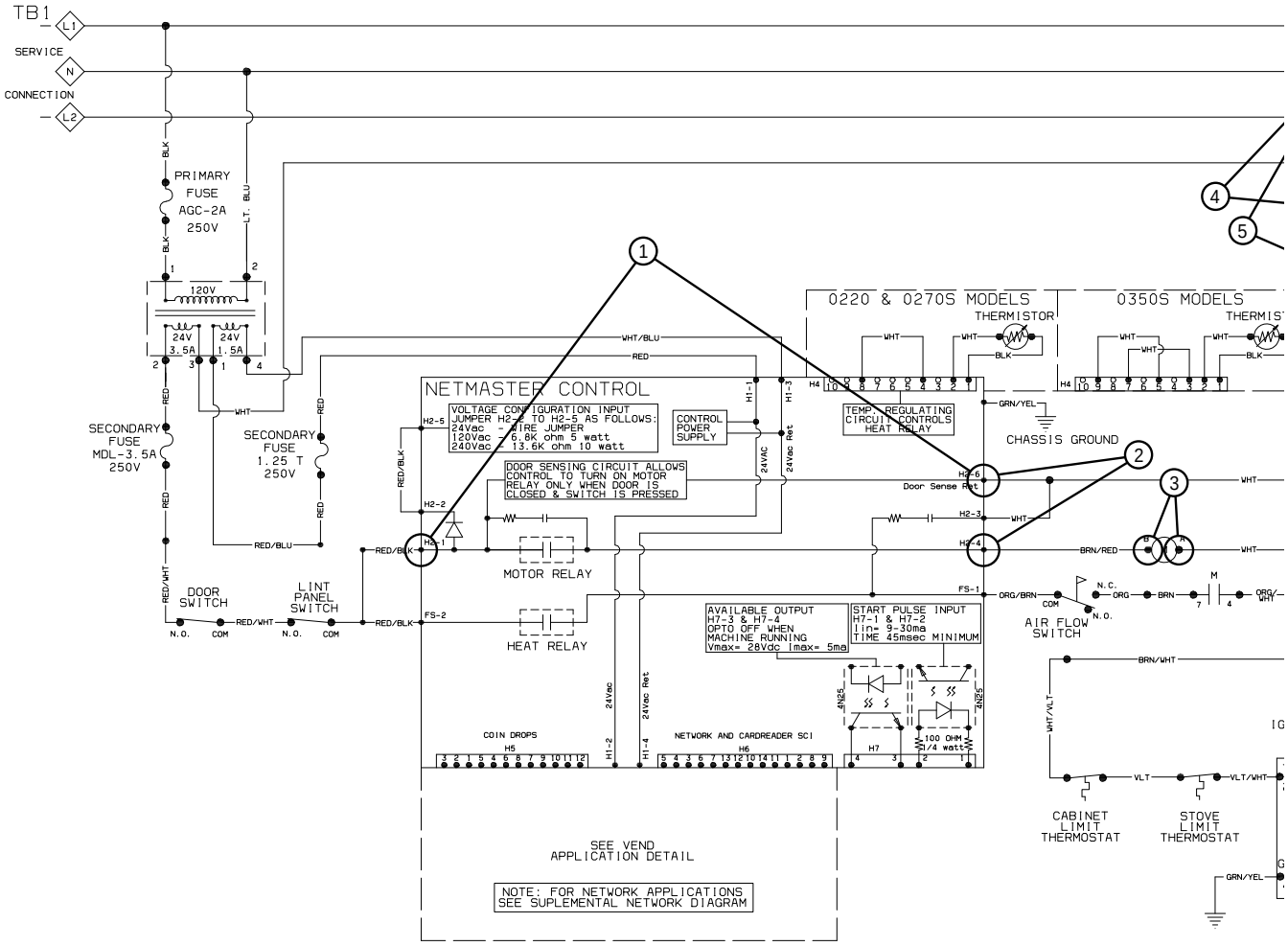


62. Motor Will Not Start/Run (continued)

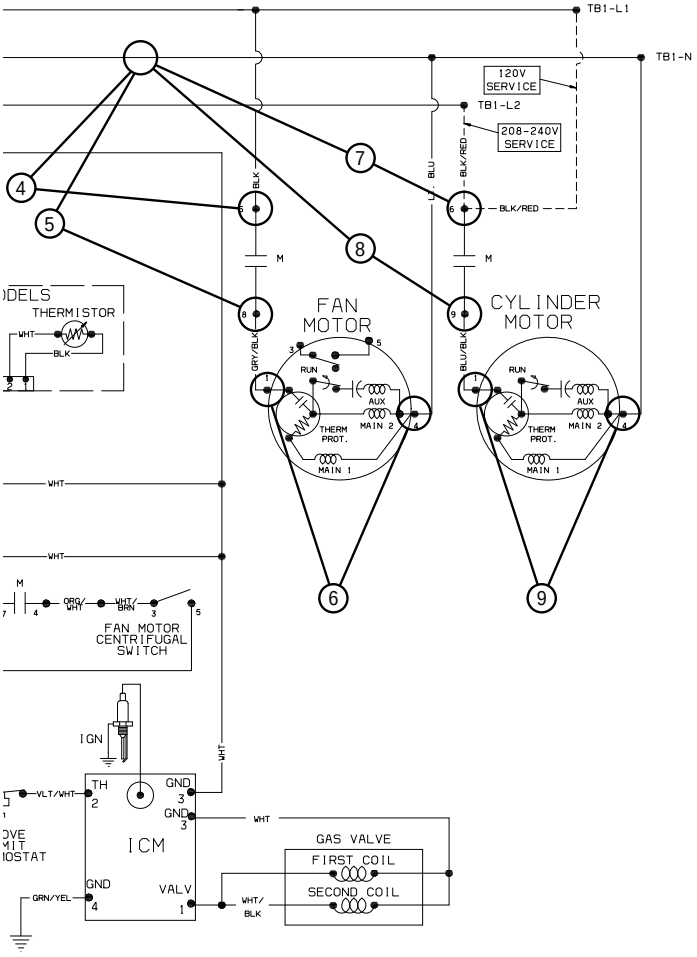


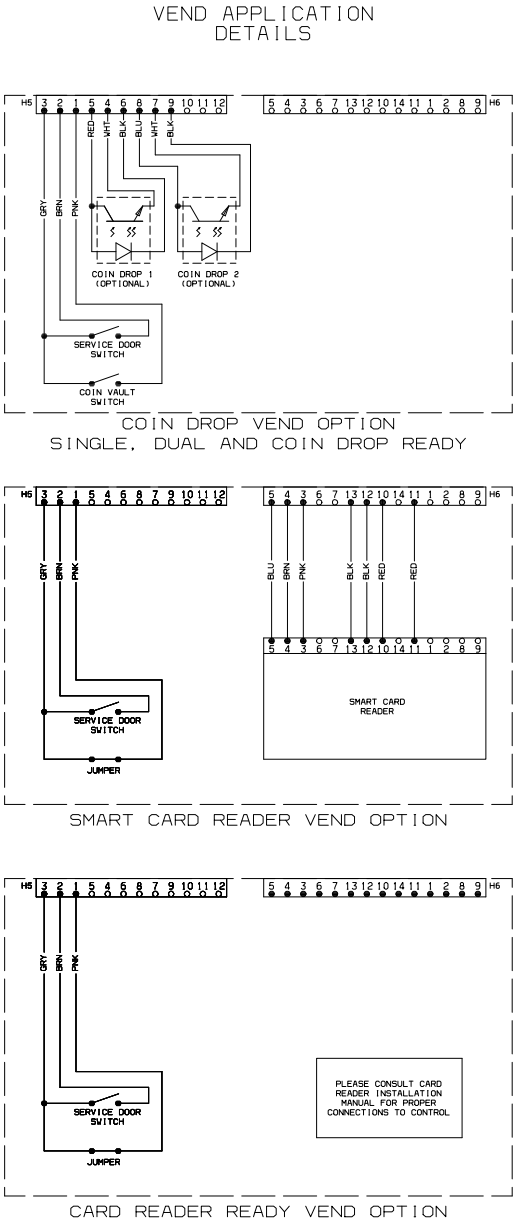
Please see following 4 pages for wiring diagram information.

Motor Will Not Start/Run (Sheet 1 of 2)



Motor Will Not Start/Run (Sheet 2 of 2)



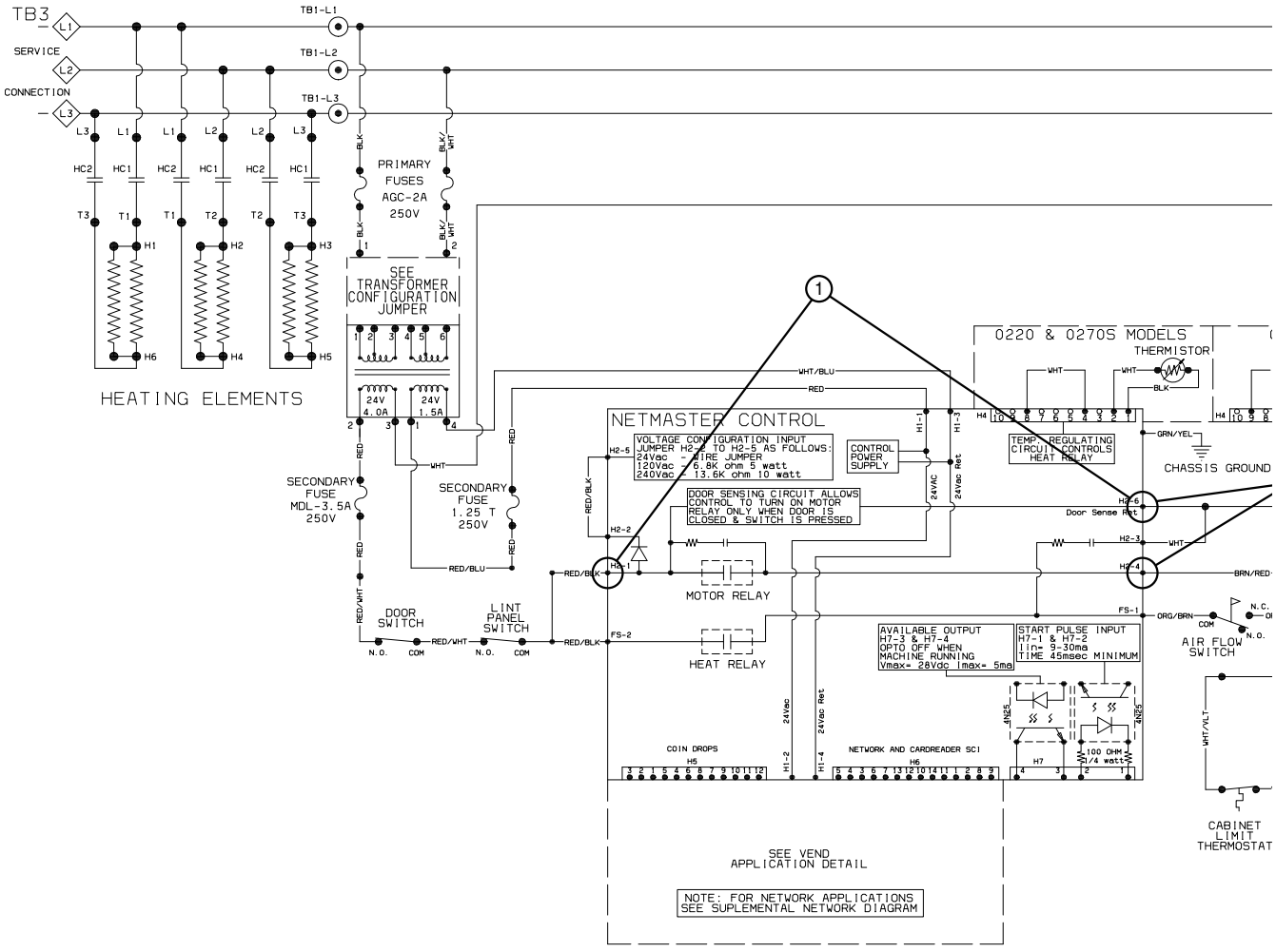


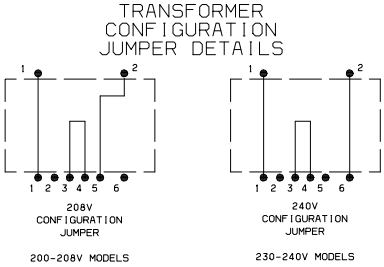
NOTES:

1. DOOR SWITCH - CONTACTS CLOSED WHEN DOOR CLOSED.
2. MOTOR IS PROTECTED BY INTERNAL THERMAL PROTECTOR.
3. HEATER RELAY OPENS WHEN TEMPERATURE IS REACHED.
4. IGNITER GROUNDED INTERNALLY TO BRACKET.

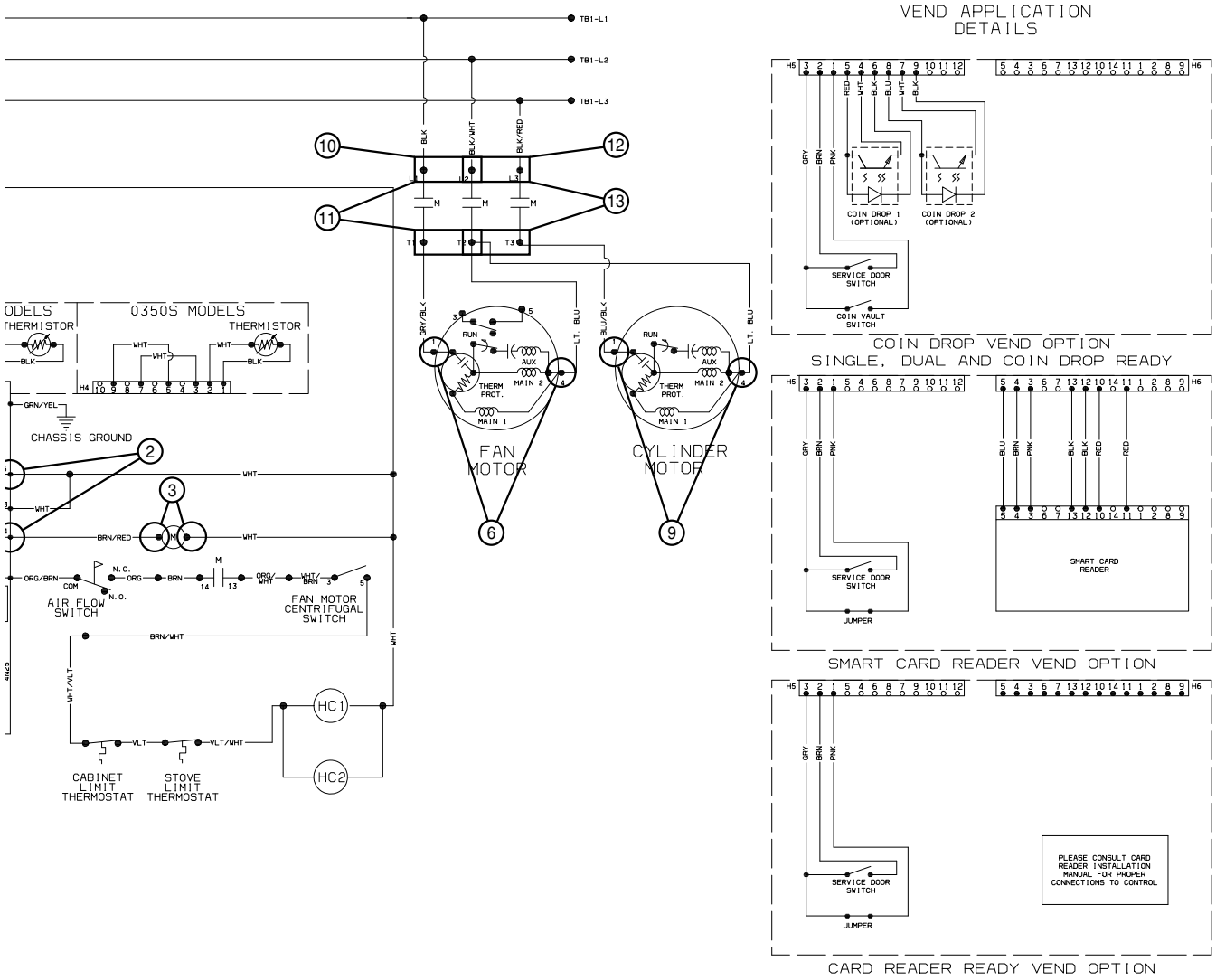
TMB271S

Motor Will Not Start (Sheet 1 of 2)





Motor Will Not Start (Sheet 2 of 2)



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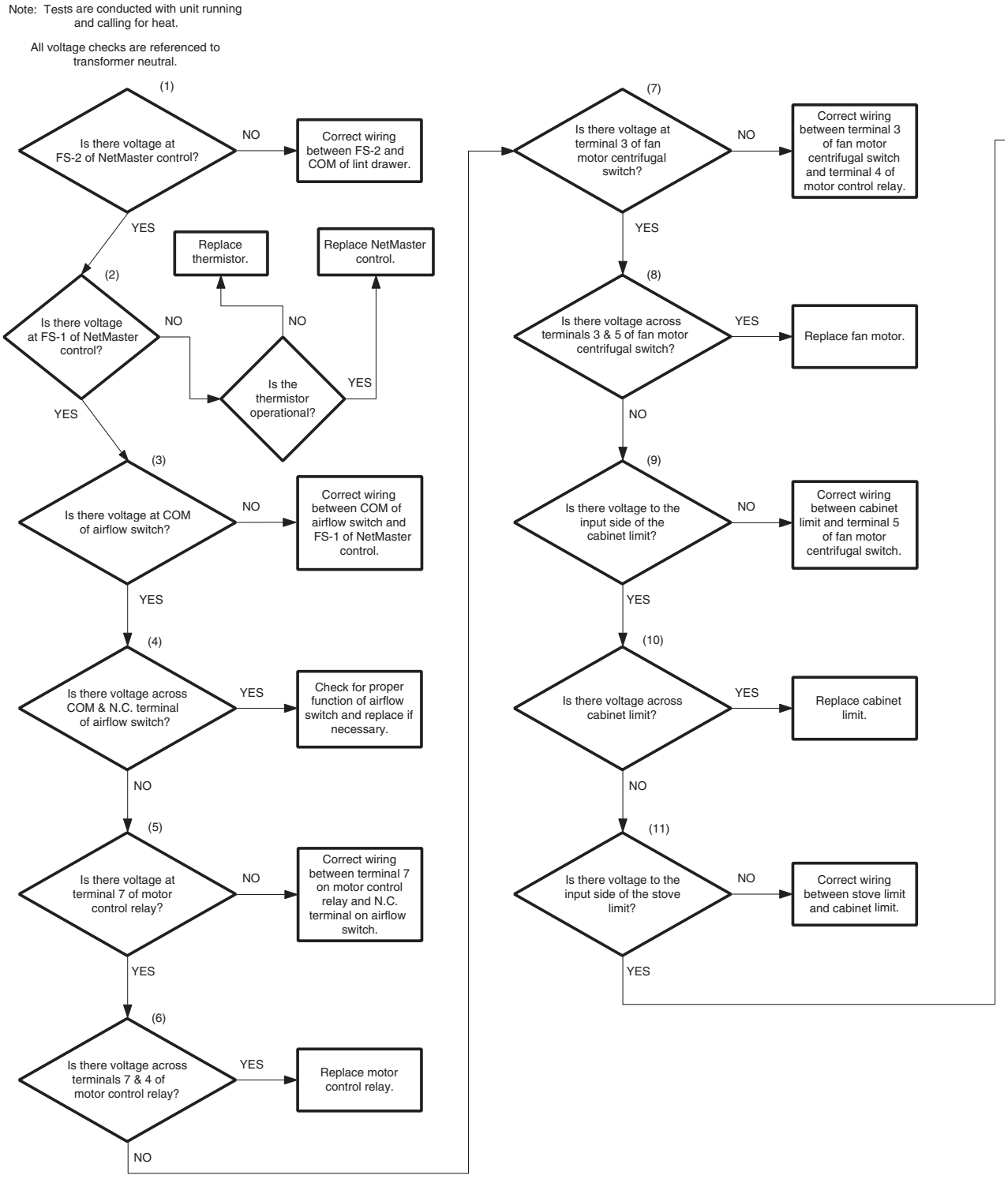
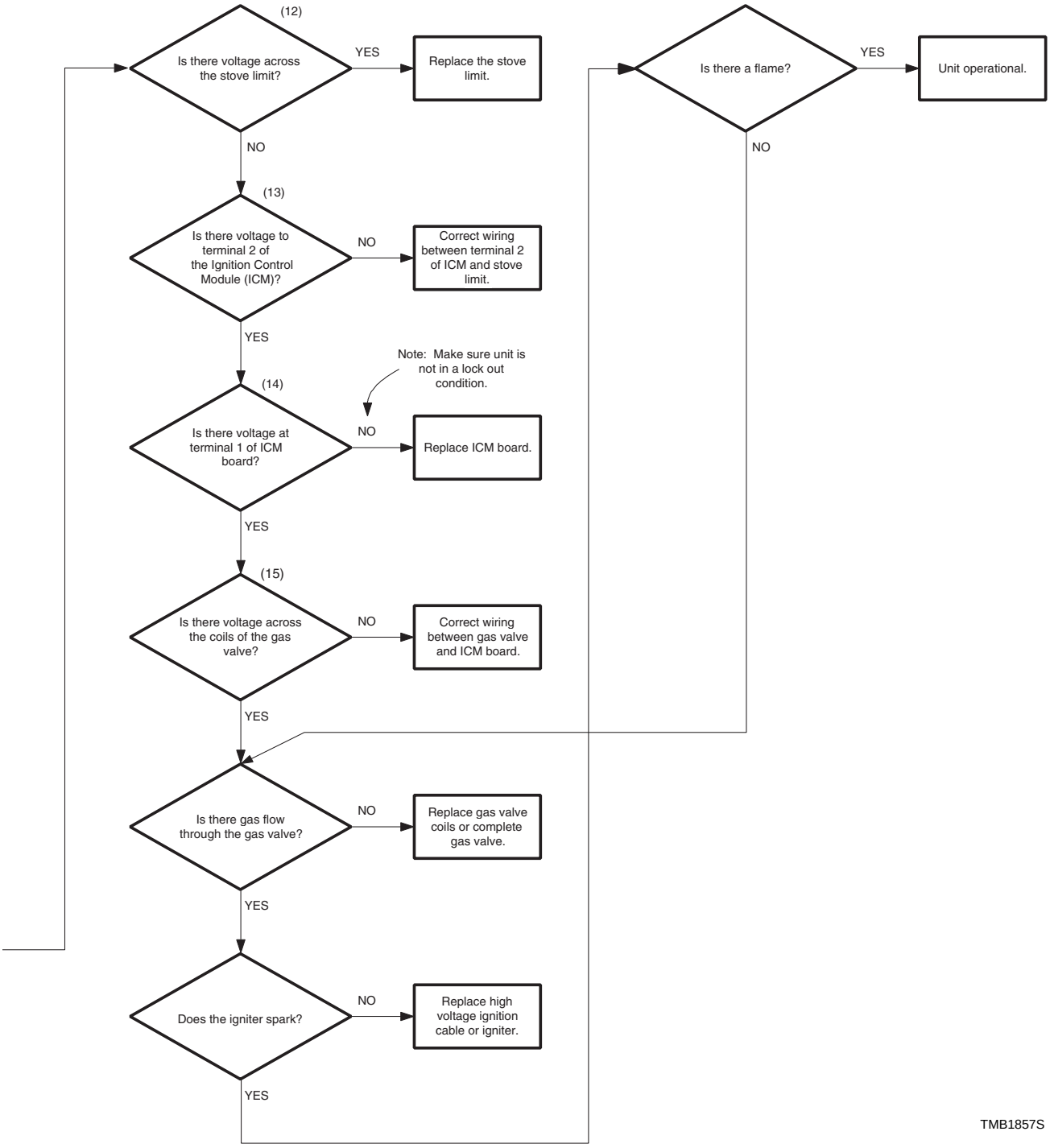
63. Unit Will Not Heat – Gas

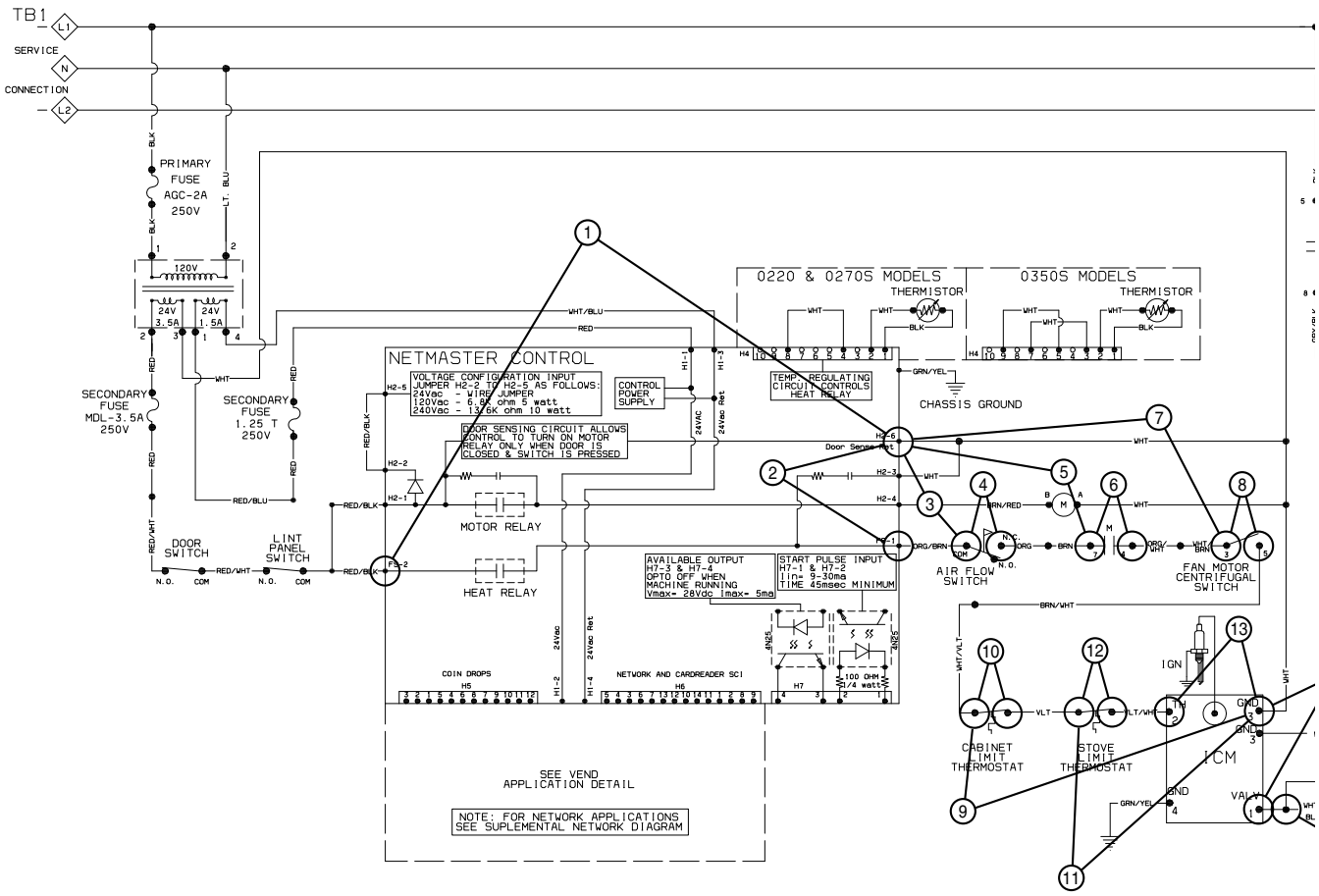


63. Unit Will Not Heat – Gas (continued)

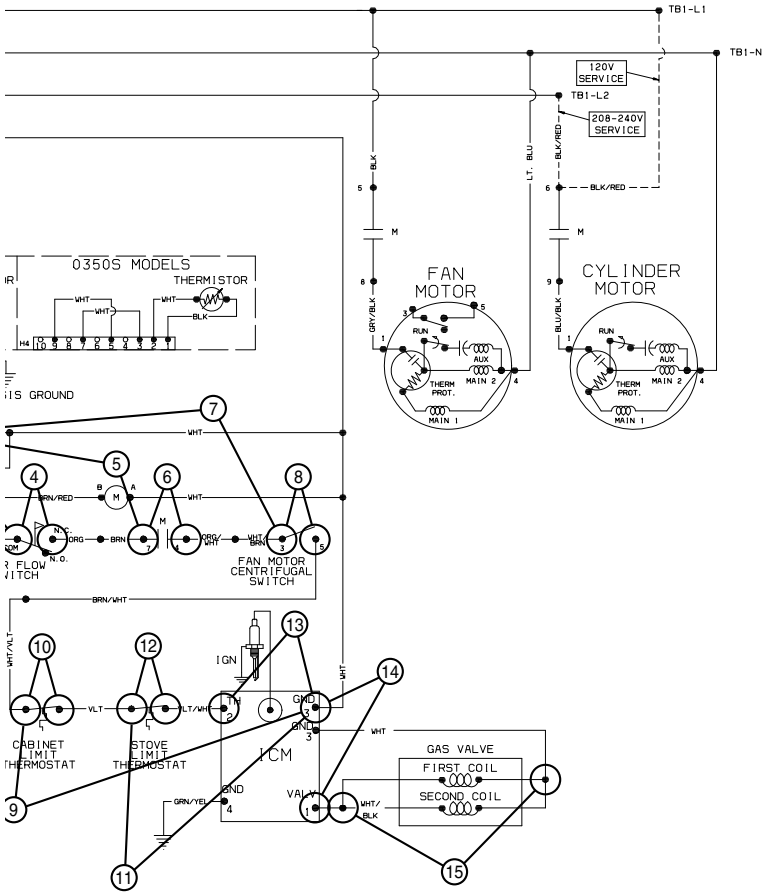


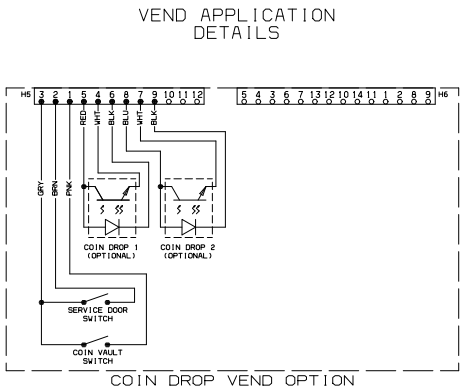
Please see following 2 pages for wiring diagram information.

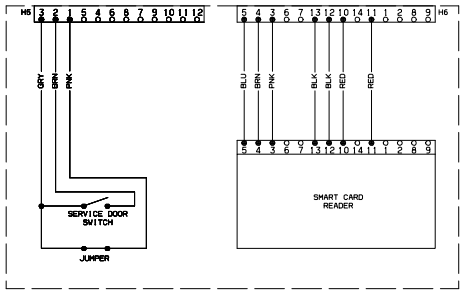
Unit Will Not Heat – Gas (Sheet 1 of 2)

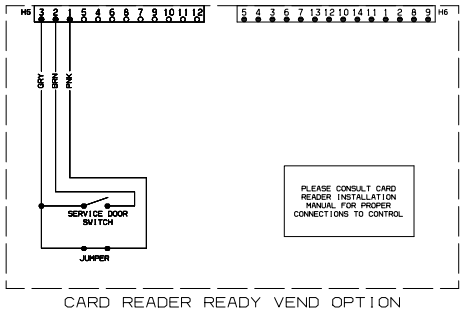


Unit Will Not Heat – Gas (Sheet 2 of 2)









NOTES:

1. DOOR SWITCH - CONTACTS CLOSED WHEN DOOR CLOSED.
2. MOTOR IS PROTECTED BY INTERNAL THERMAL PROTECTOR.
3. HEATER RELAY OPENS WHEN TEMPERATURE IS REACHED.
4. IGNITER GROUNDED INTERNALLY TO BRACKET.

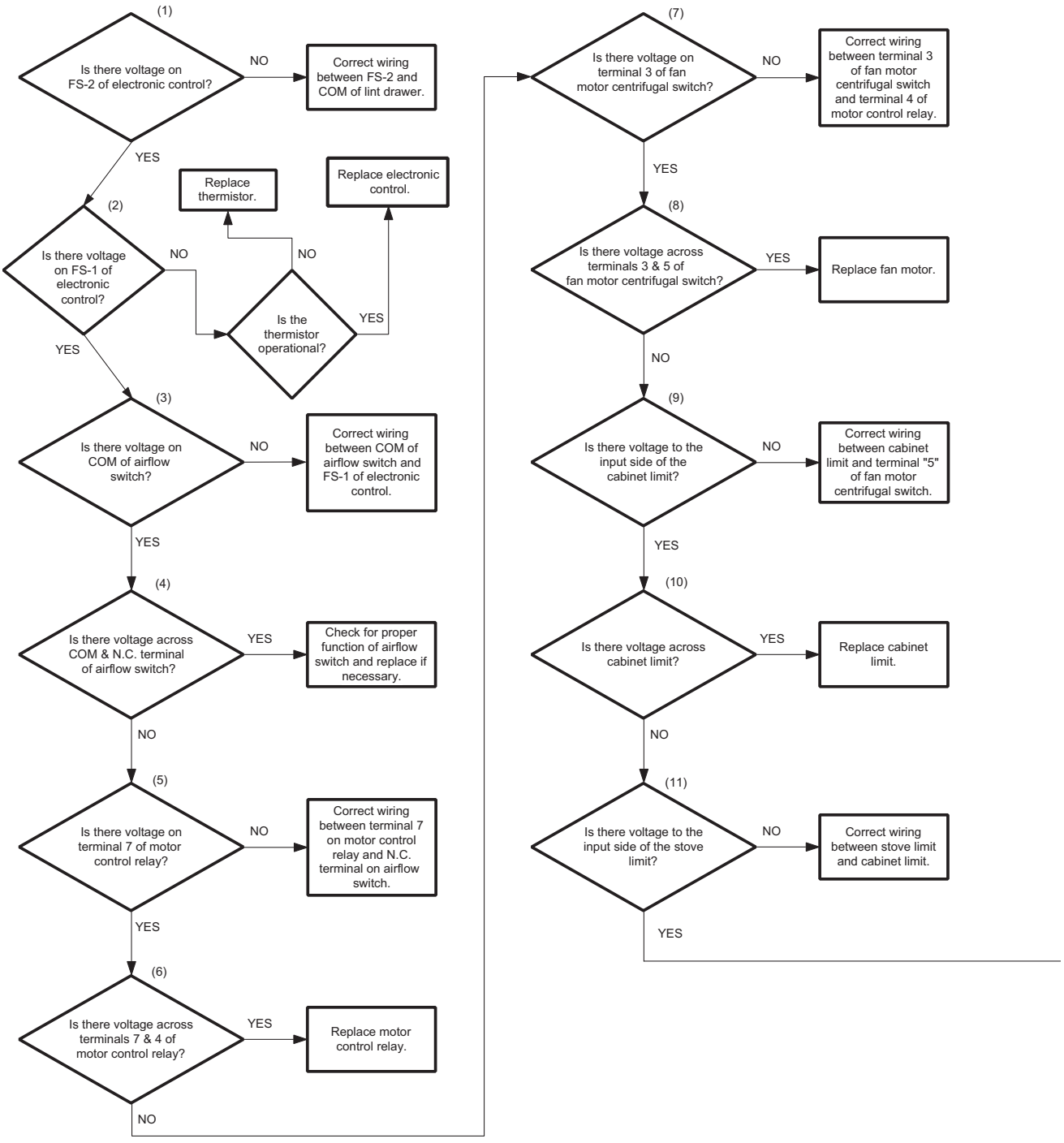
TMB273S

64. Unit Will Not Heat – Steam

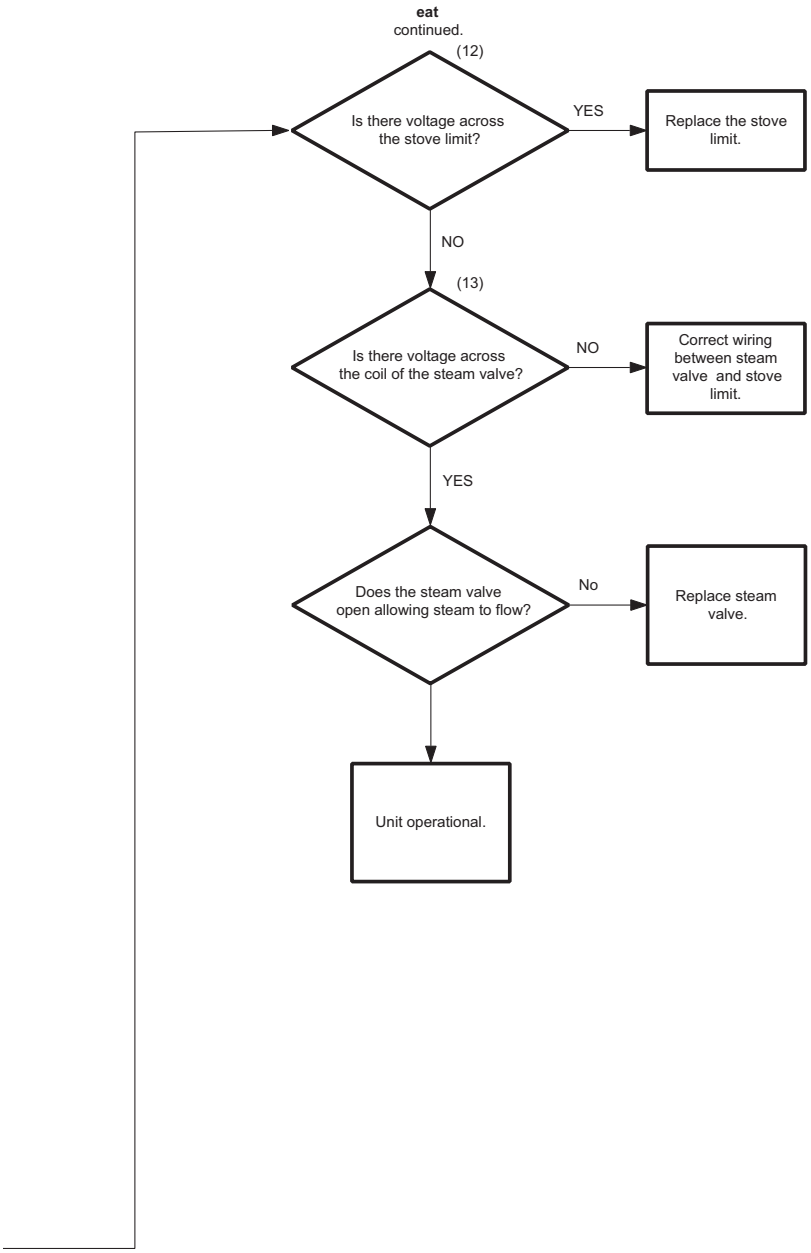
Note: Tests are conducted with unit running and calling for heat.

All voltage checks are referenced to transformer neutral.

Single and stacked units.



64. Unit Will Not Heat – Steam (continued)



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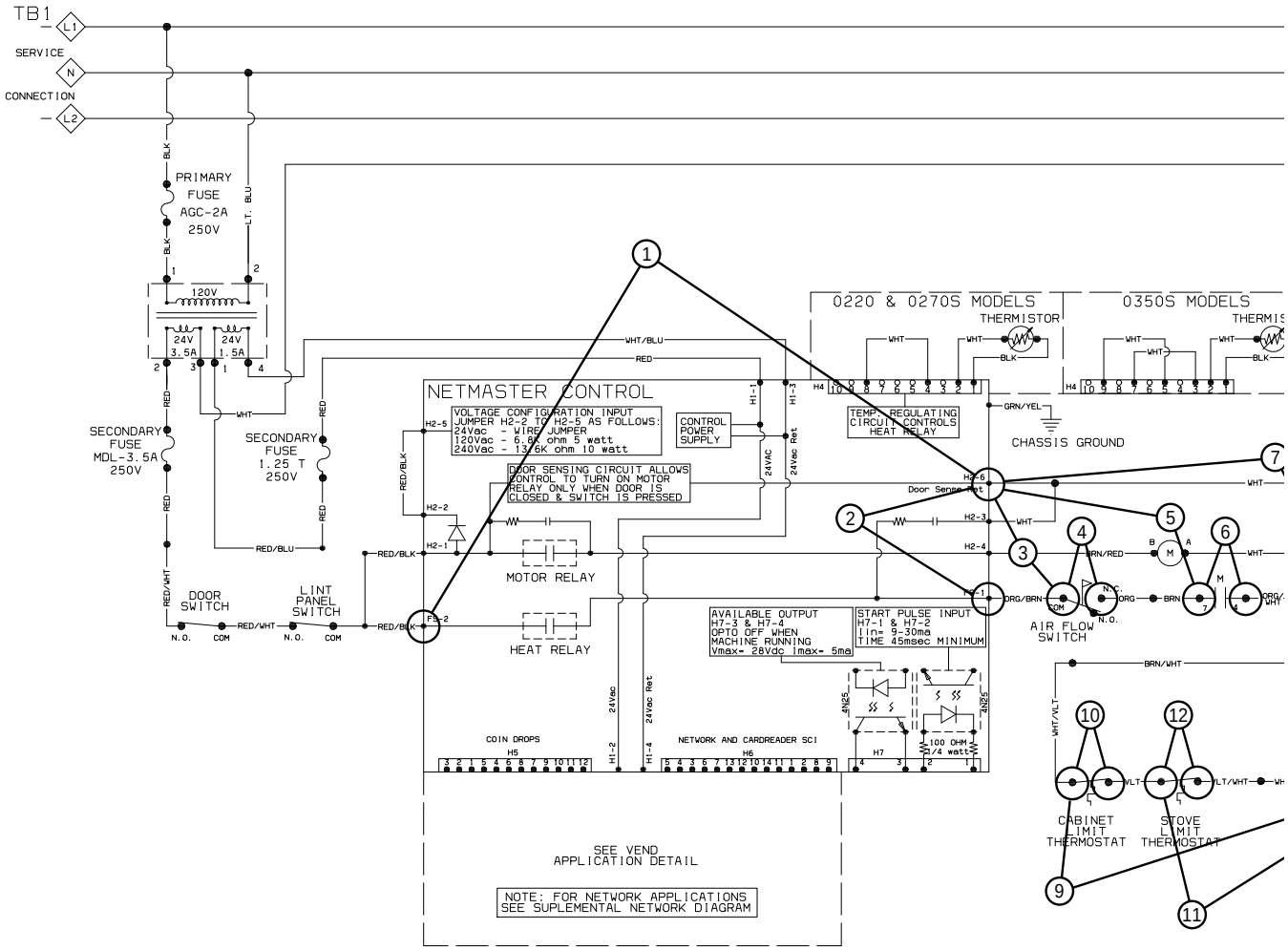
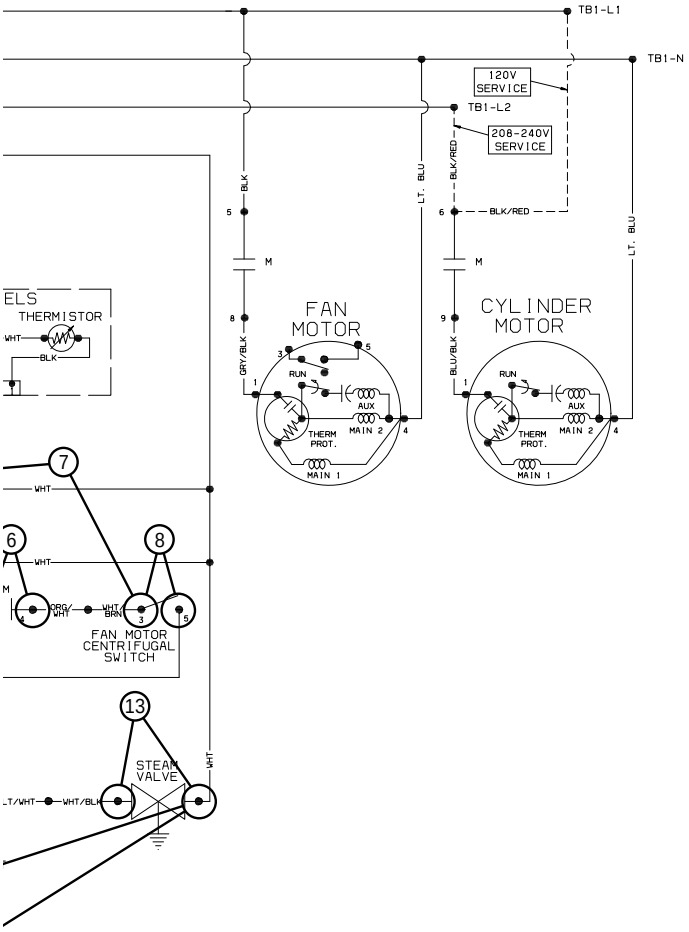
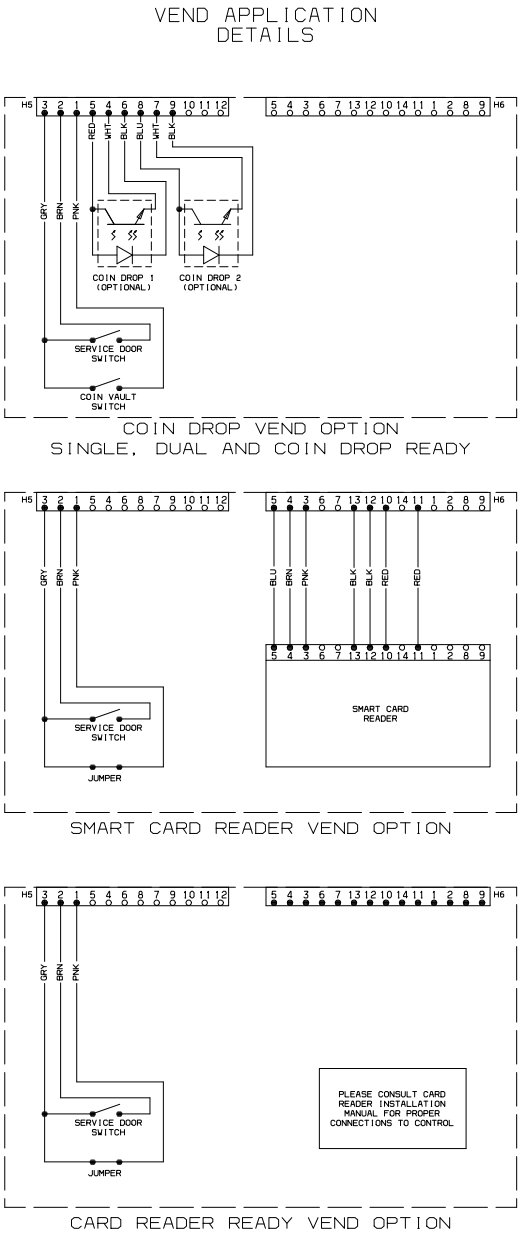
Please see following 2 pages for wiring diagram information.

Unit Will Not Heat – Steam (Sheet 1 of 2)



Unit Will Not Heat – Steam (Sheet 2 of 2)





NOTES:

1. DOOR SWITCH - CONTACTS CLOSED WHEN DOOR CLOSED.
2. MOTOR IS PROTECTED BY INTERNAL THERMAL PROTECTOR.
3. HEATER RELAY OPENS WHEN TEMPERATURE IS REACHED.

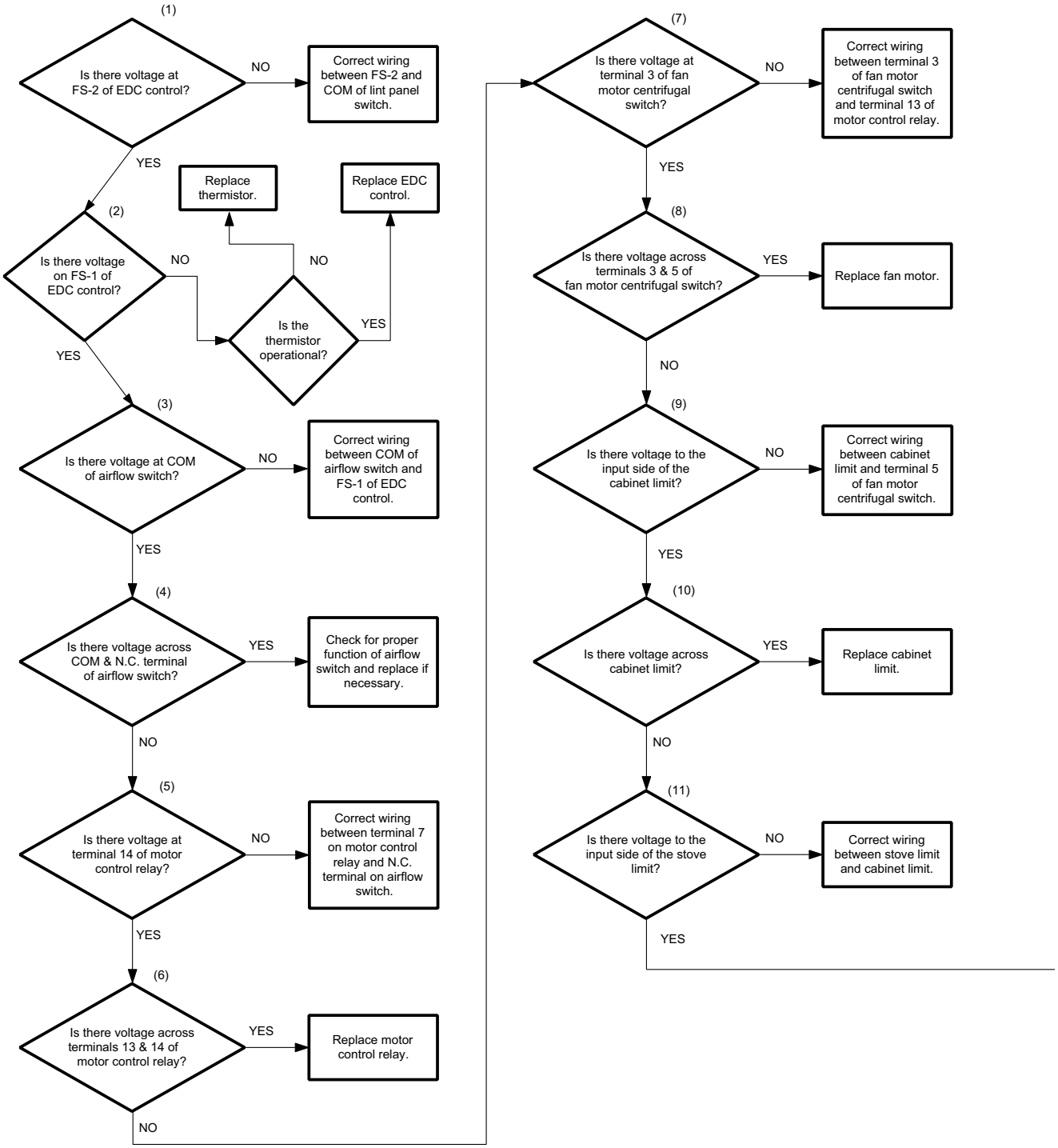
TMB274S

65. Unit Will Not Heat – Electric

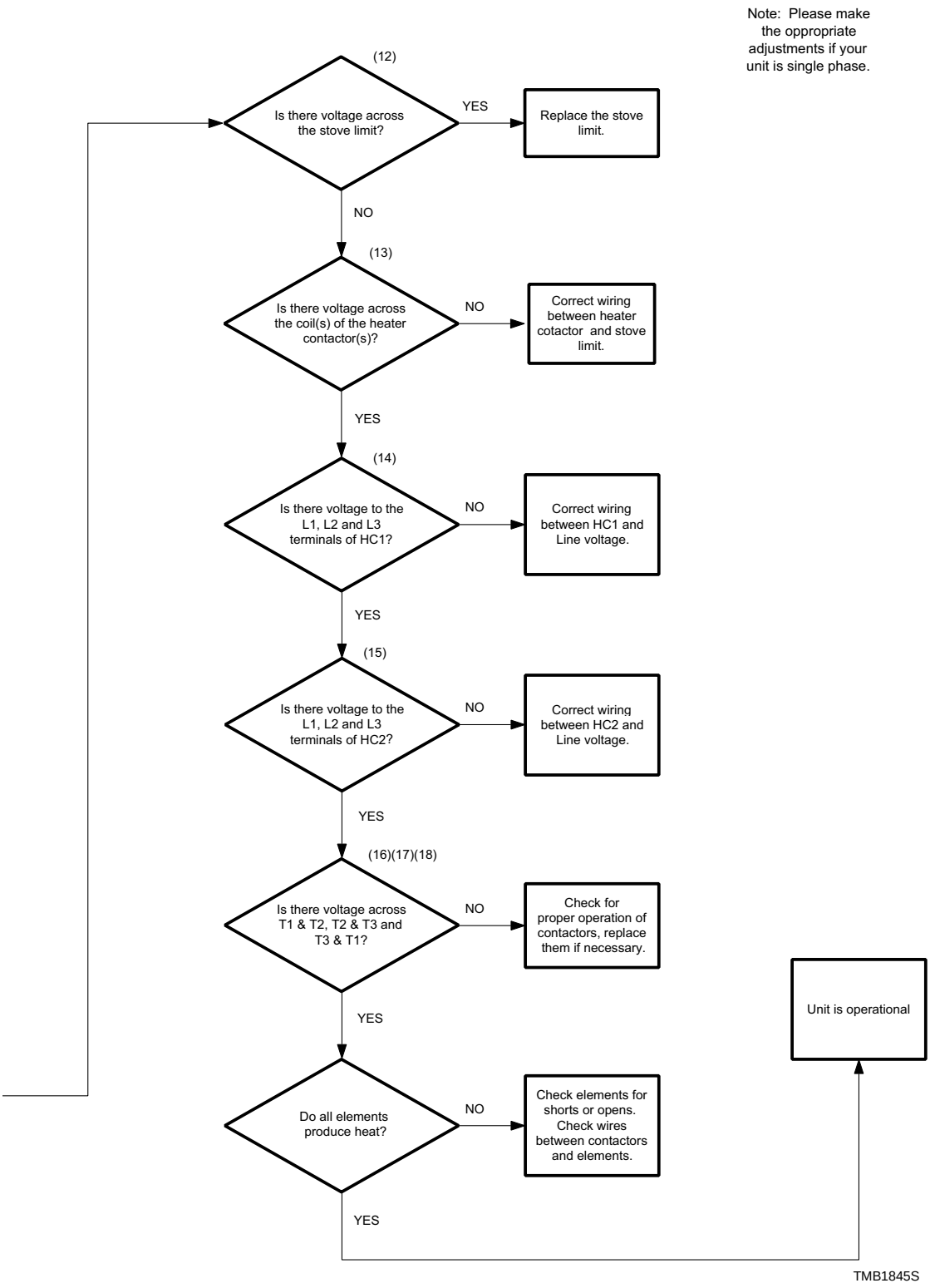
Note: Tests are conducted with unit running and calling for heat.

All voltage checks are referenced to transformer neutral.

Single and stacked units.

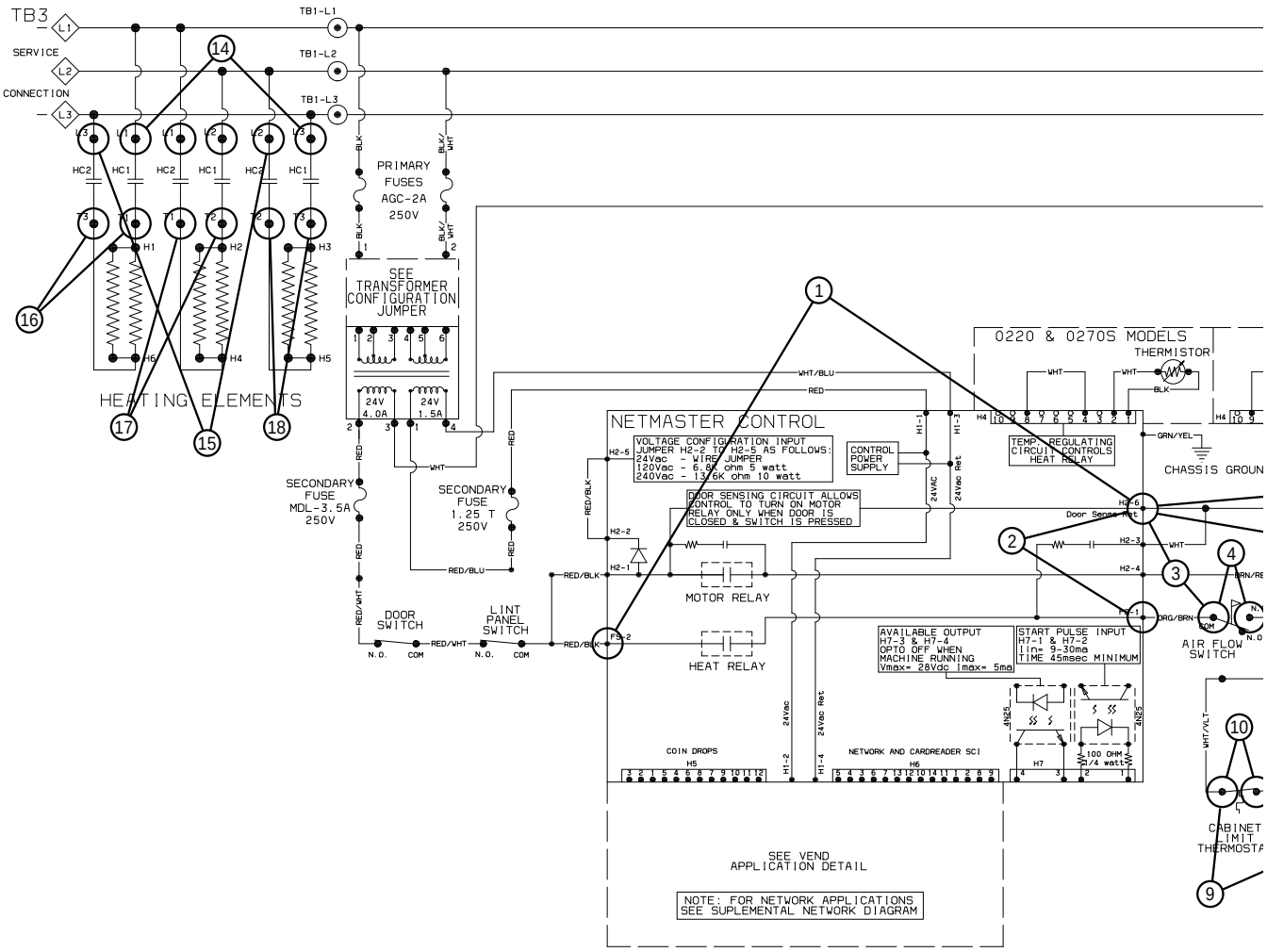


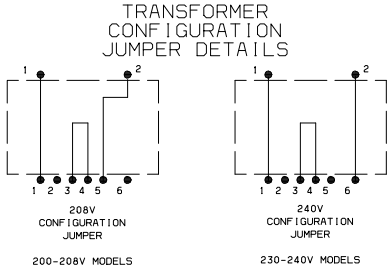
65. Unit Will Not Heat – Electric (continued)



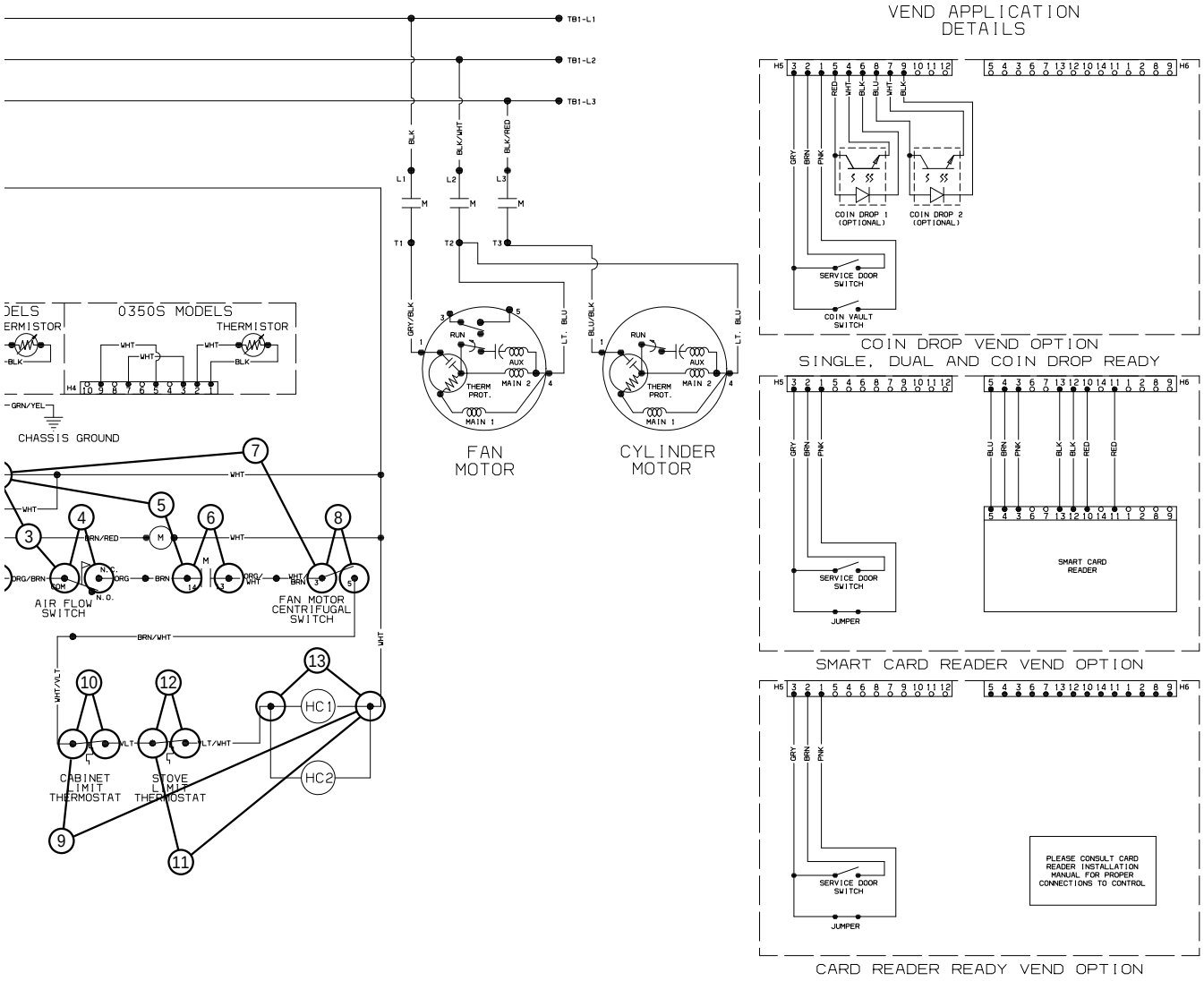
Please see following 2 pages for wiring diagram information.

Unit Will Not Heat – Electric (Sheet 1 of 2)





Unit Will Not Heat – Electric (Sheet 2 of 2)



TMB275S