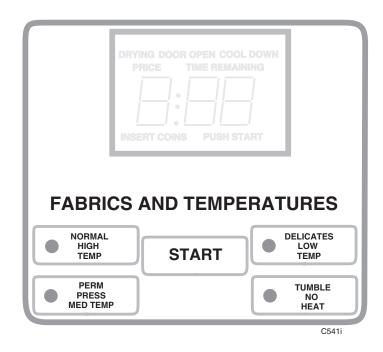
# Electronic Control

Tumbler Refer to Page 3 for Model Numbers



#### Keep These Instructions for Future Reference.

(If this machine changes ownership, this manual must accompany machine.)

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# Introduction

#### **Model Identification**

Information in this manual is applicable to these tumbler models:

		Gas		S	team	Electric
25 Pound (220 Liter)	HT025L HT025N JA0220SRG JC0220SFG JC0220SRG JCB30XG JT0220SFG JT0220SRG	JTB30XG JTD32DG LT0220SRG PA0220SRG PC0220SRG PT0220SRG SA0220SRG SC0220SFG	SC0220SRG ST0220SFG ST0220SRG ST025L ST025N STB30XG STD32DG SU025N	JC0220SSH JC0220SSL JT0220SSH JT0220SSL PC0220SSH PC0220SSL	PT0220SSH PT0220SSL SC0220SSH SC0220SSL ST0220SSH ST0220SSL	JC0220SEL JT0220SEL PC0220SEL PT0220SEL PU025E SC0220SEL ST0220SEL ST0220SEL ST025E
30 Pound (270 Liter)	HT030L HT030N JA0270SRG JC0270SFG JC0270SRG JT0270SFG JT0270SRG	LT0270SRG PA0270SRG PC0270SRG PT0270SRG PT030L PU030N SA0270SRG	SC0270SFG SC0270SRG ST0270SFG ST0270SRG ST030L ST030N SU030N	JC0270SSH JC0270SSL JT0270SSH JT0270SSL PC0270SSH PC0270SSL PT0270SSH	PT0270SSL SC0270SSH SC0270SSL ST0270SSH ST0270SSL ST030S	JC0270SEL JT0270SEL PC0270SEL PT0270SEL SC0270SEL ST0270SEL ST030E SU030E
30 Pound Stacked (300 Liter)	HTT30L HTT30N HUT30N JA0300DRG JC0300DFG JC0300DRG JT0300DRG JT0300DRG LT0300DRG	LTT30L NT0300DRG NTT30N PA0300DRG PC0300DRG PT0300DRG PTT30N PUT30N SA0300DRG	SAT30N SC0300DFG SC0300DRG ST0300DFG ST0300DRG STT30L STT30N SUT30N	JC0300DSH JC0300DSL JT0300DSH JT0300DSL PC0300DSH PC0300DSL	PT0300DSH PT0300DSL SC0300DSH SC0300DSL ST0300DSH ST0300DSL	JT0300DEL JT0300DEL PC0300DEL PT0300DEL SC0300DEL ST0300DEL STT30E
35 Pound (350 Liter)	HT035L HT035N JA0350SRG JC0350SFG JC0350SRG JT0350SFG JT0350SRG LT0350SRG	LT035L PA0350SRG PC0350SRG PT0350SRG PT035N PU035N SA0350SRG	SA035N SC0350SFG SC0350SRG ST0350SFG ST0350SRG ST0350N SU035N	JC0350SSH JC0350SSL JT0350SSH JT0350SSL PC0350SSH PC0350SSL	PT0350SSH PT0350SSL SC0350SSL ST0350SSH ST0350SSL	JC0350SEL JT0350SEL PC0350SEL PT0350SEL PT035E SC0350SEL ST0350SEL ST035E SU035E
50 Pound	JC50ED JCB50EG JT50EG	JTB50EG SC50EG	SCG50EG STB50EG			
75 Pound	JC75EG JT75EG	JTB75EG STB75EG				

#### 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 15 seconds. If gas ignition does not take place within approximately 15 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 tumbler 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:

- 1. Check resistance of high tension lead (approximately 1000 ohms/inch), and replace if not within resistance range.
- 2. Check voltage present at valve.
- 3. Check that machine is properly grounded.
- 4. Check the gap between igniter and burner tube (gap should be 1/4-3/8 inch).
- 5. Check that burner ports are not blocked or plugged under the igniter.

# **Safety Information**

Precautionary statements ("DANGER," "WARNING," and "CAUTION"), followed by specific instructions, are found in this manual and on machine decals. These precautions are intended for the personal safety of the operator, user, servicer, and those maintaining the machine.



#### DANGER

DANGER indicates the presence of a hazard that will cause severe personal injury, death, or substantial property damage if the danger is ignored.



#### WARNING

WARNING indicates the presence of a hazard that can cause severe personal injury, death, or substantial property damage if the warning is ignored.



#### CAUTION

CAUTION indicates the presence of a hazard that will or can cause minor personal injury or property damage if the caution is ignored.

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.



#### WARNING

Failure to install, maintain, and/or operate this machine according to manufacturer's instructions may result in conditions which can produce serious injury, death and/or property damage.

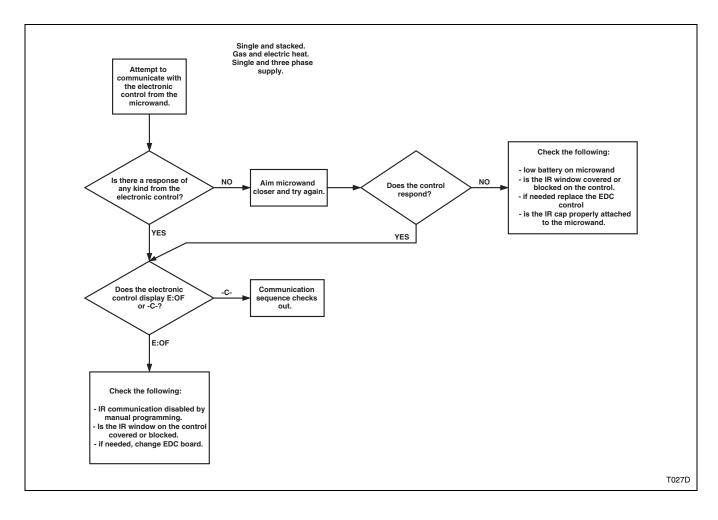
W051

NOTE: The WARNINGS 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 tumbler. These factors MUST BE supplied by the person(s) installing, maintaining or operating the tumbler.

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

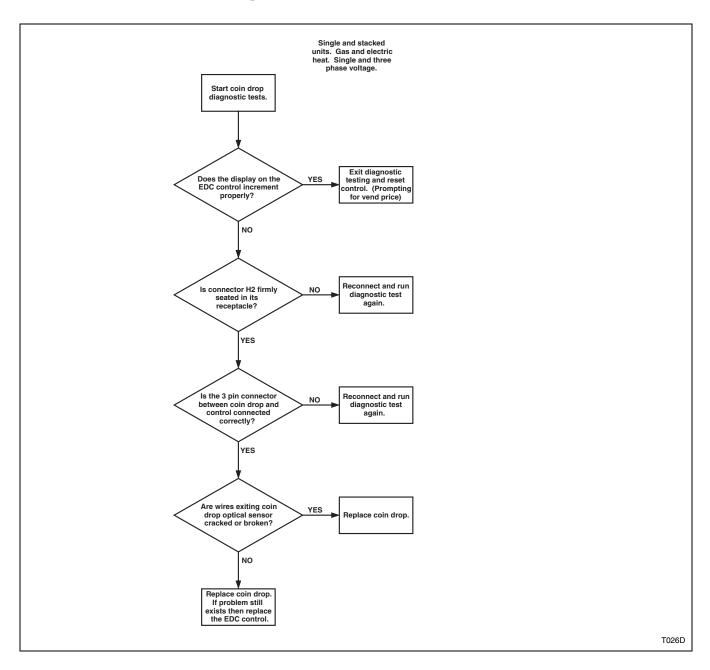
Notes

### Cannot Perform Infrared (IR) Communication



Notes

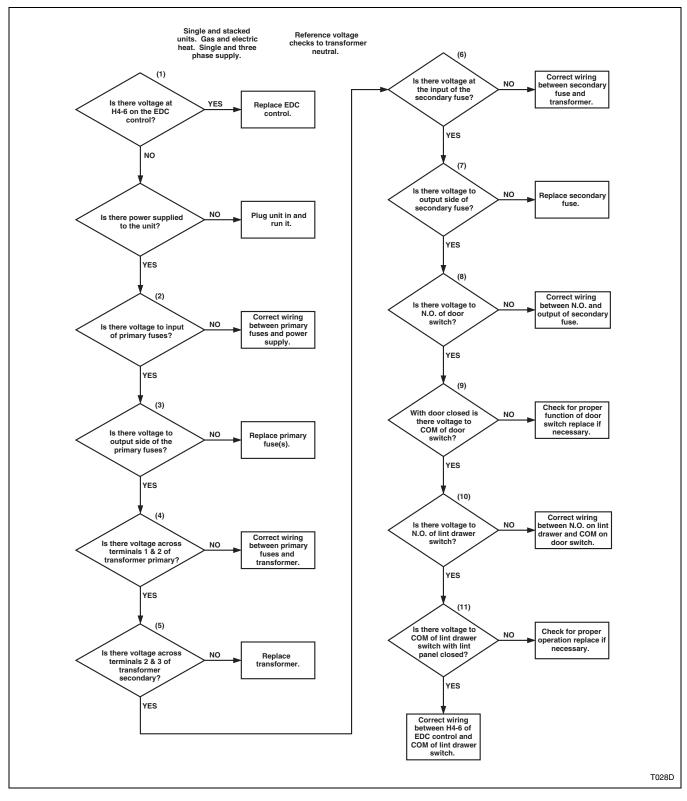
### **Coins Ignored When Entered**

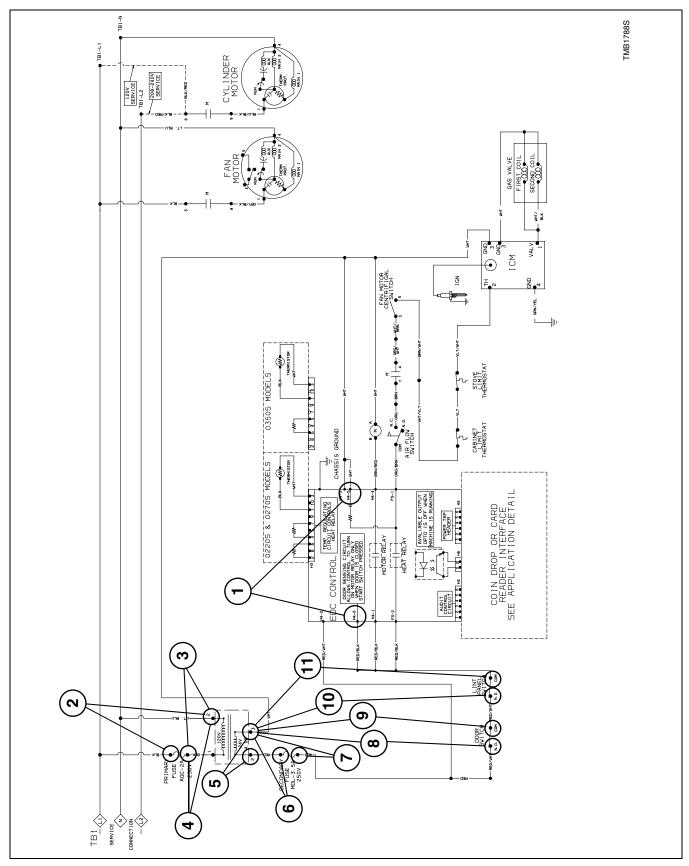


Notes

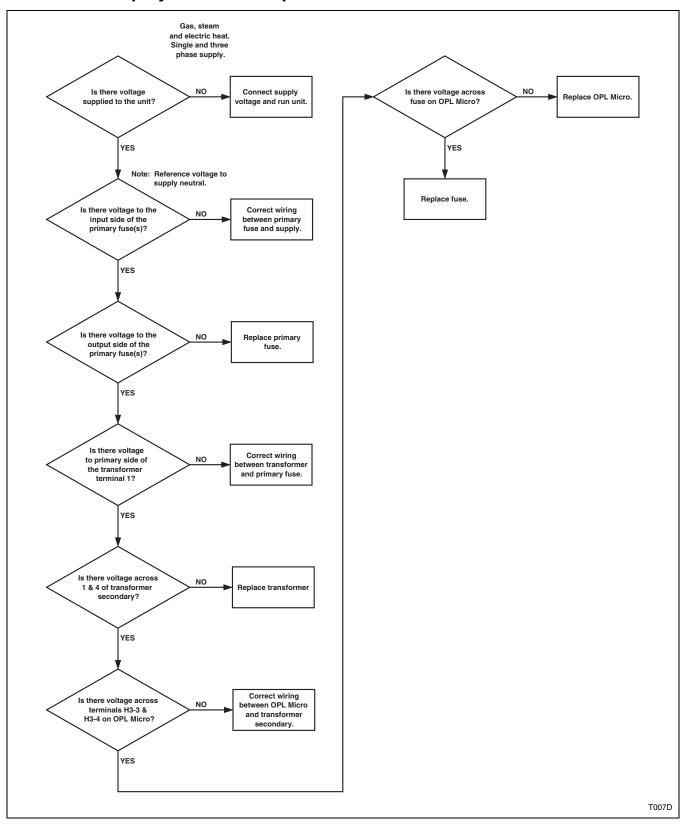
# **Control Display**

#### Door Open Light "On"



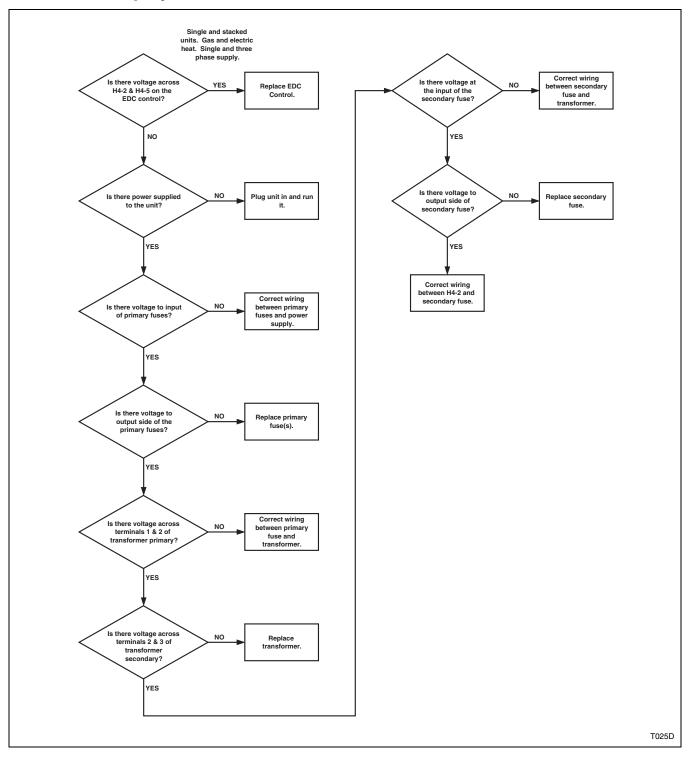


# "door" Error on 25, 30, Stacked 30 and 35 Pound Tumblers with 24 Volt EDC Controls



#### No Visible Display – OPL Microprocessor Models

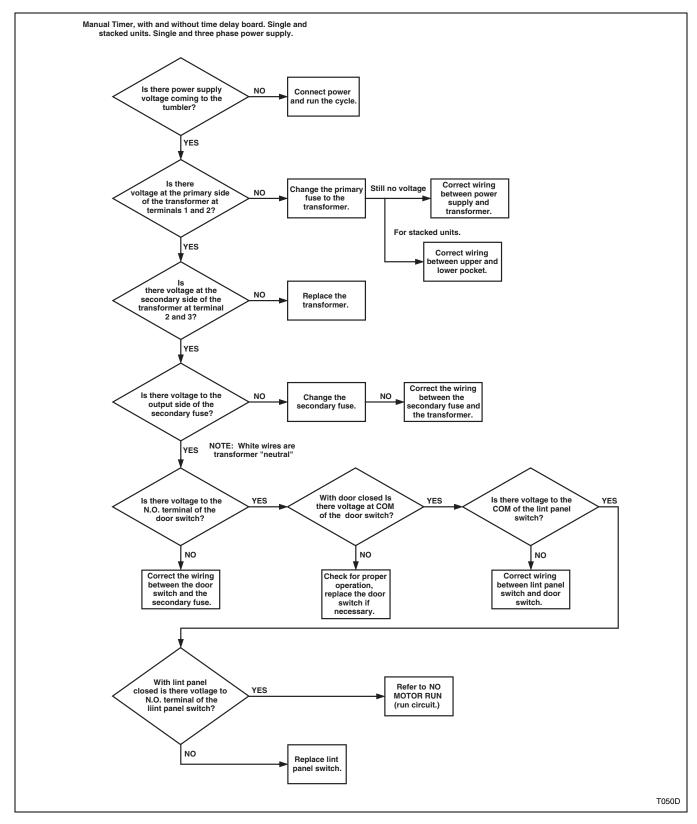
#### No Visible Display – Power On



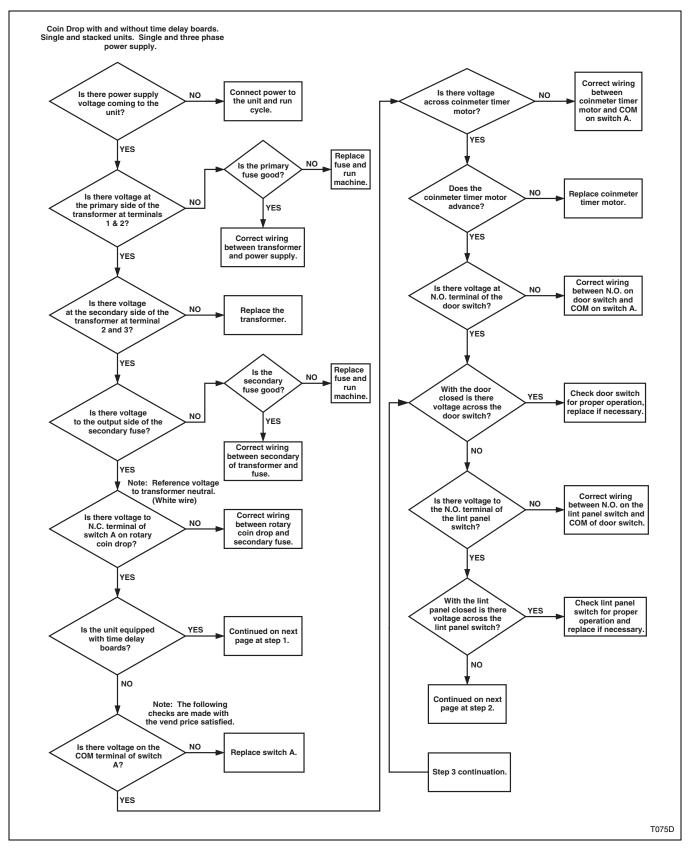
# Will Not Start

#### Electric

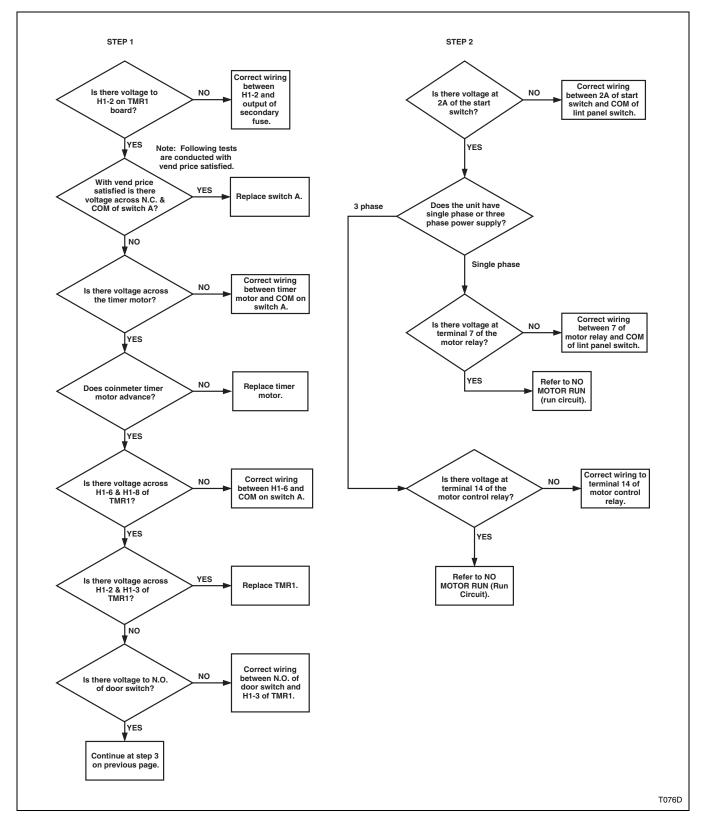
#### **Manual Timer**



#### Rotary Coin Drop (Sheet 1 of 2)

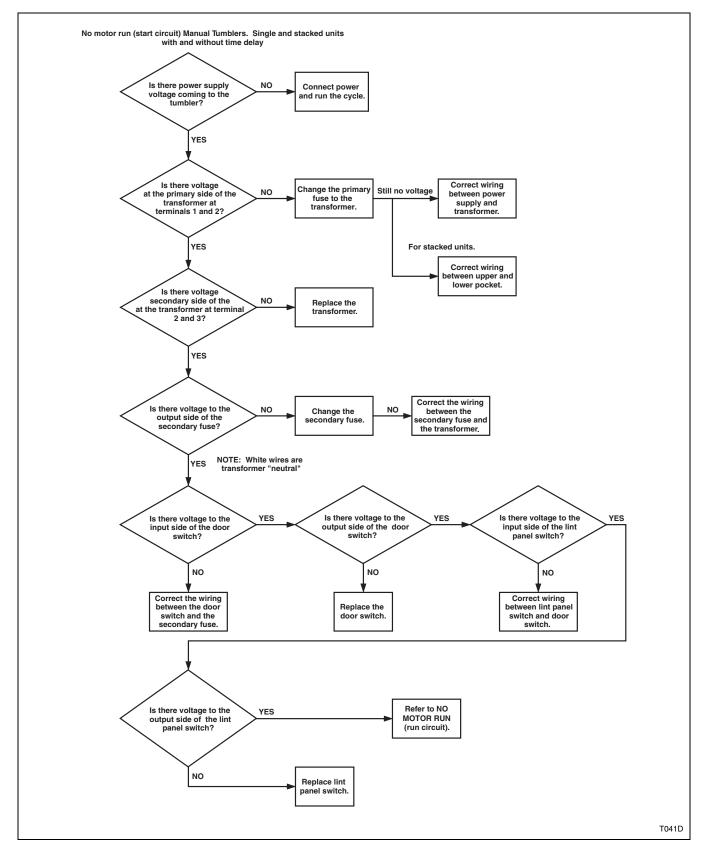


#### Rotary Coin Drop (Sheet 2 of 2)



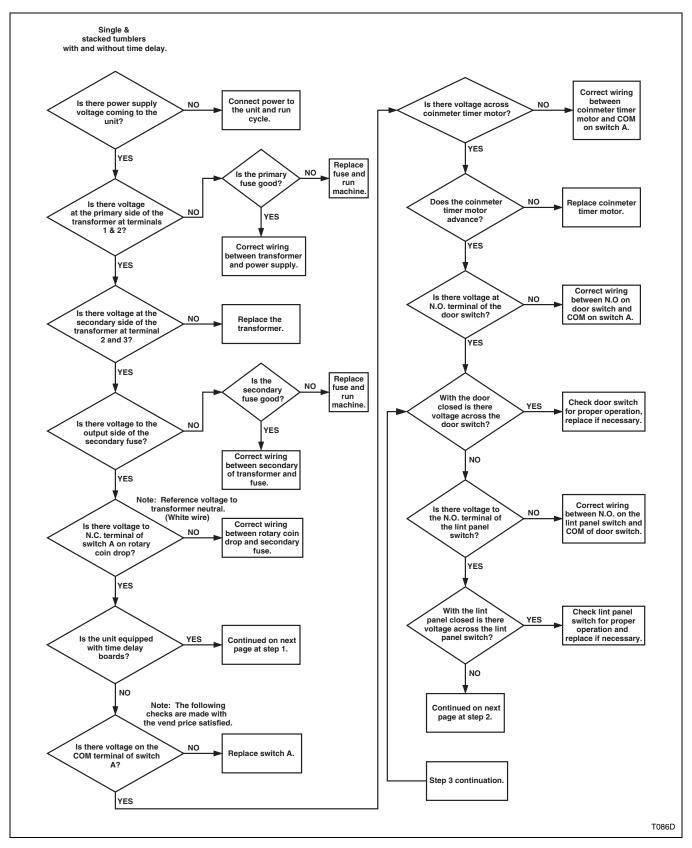
#### Gas

#### **Manual Timer**



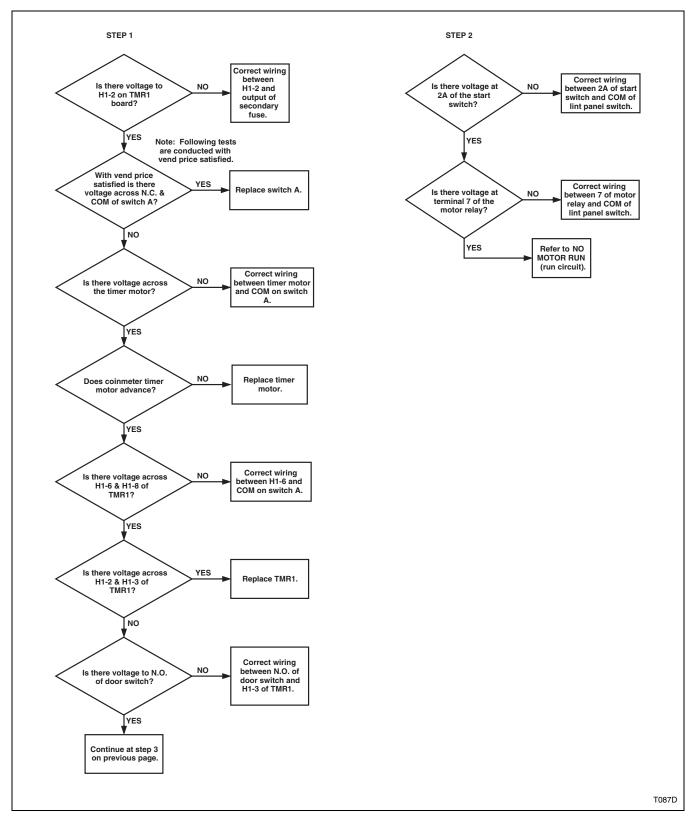
#### Gas

#### Rotary Coin Drop (Sheet 1 of 2)



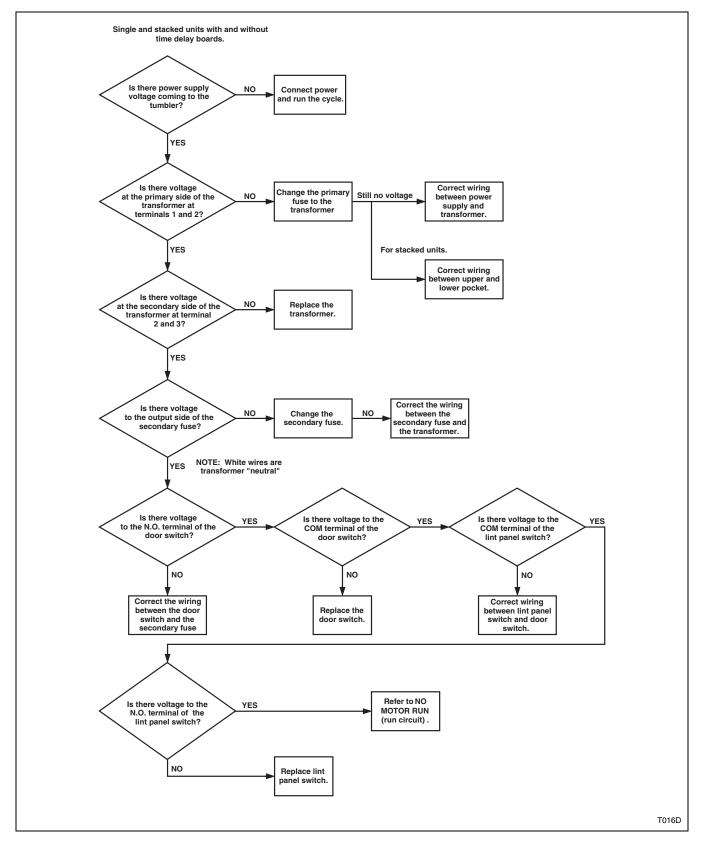
#### Gas

#### Rotary Coin Drop (Sheet 2 of 2)



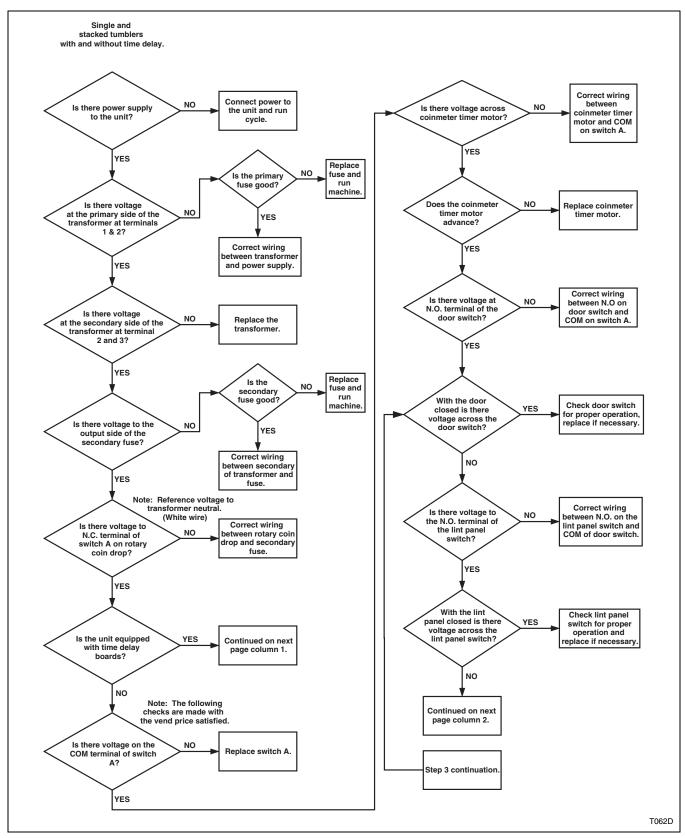
#### Steam

#### **Manual Timer**



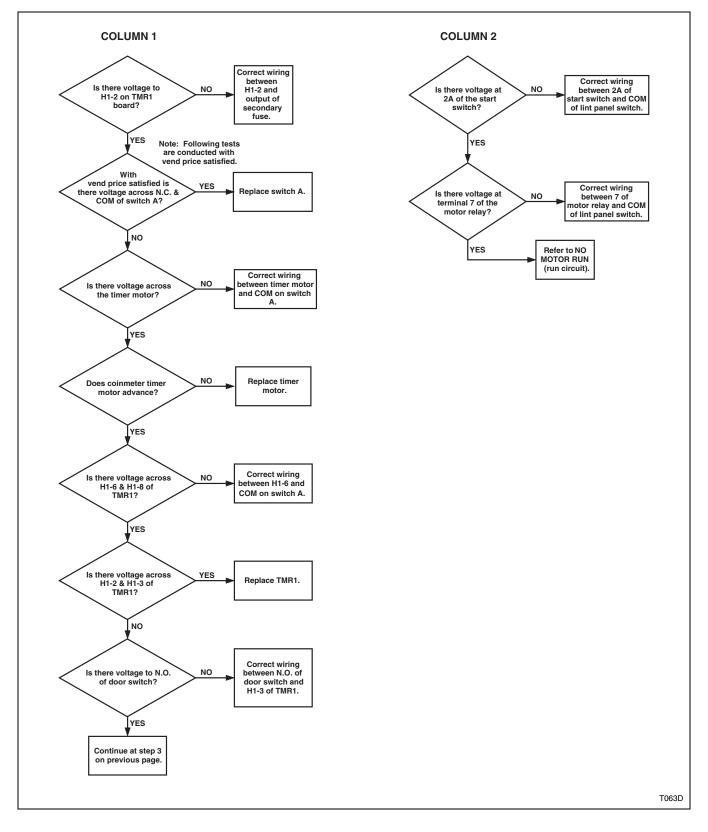
#### Steam

#### Rotary Coin Drop (Sheet 1 of 2)



#### Steam

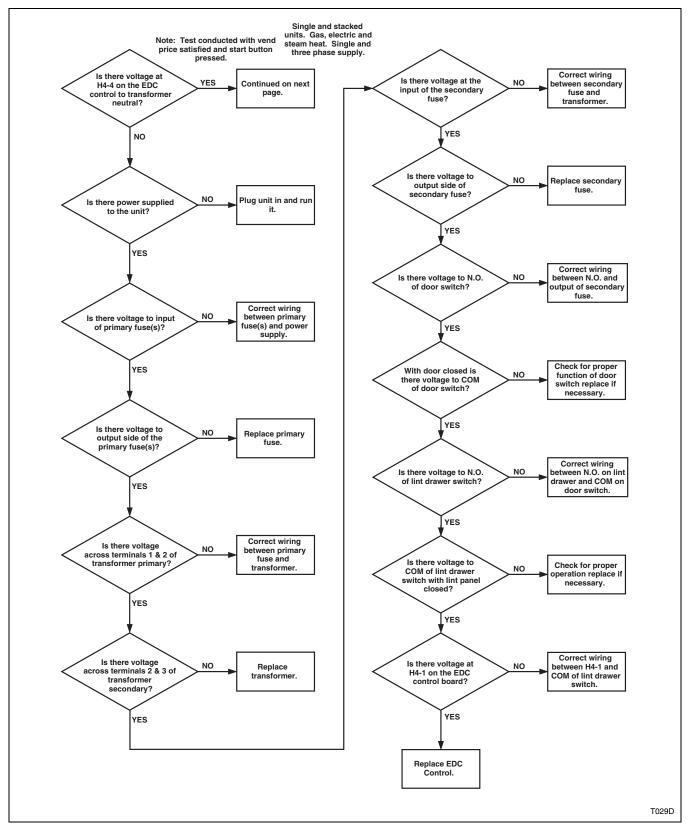
#### Rotary Coin Drop (Sheet 2 of 2)



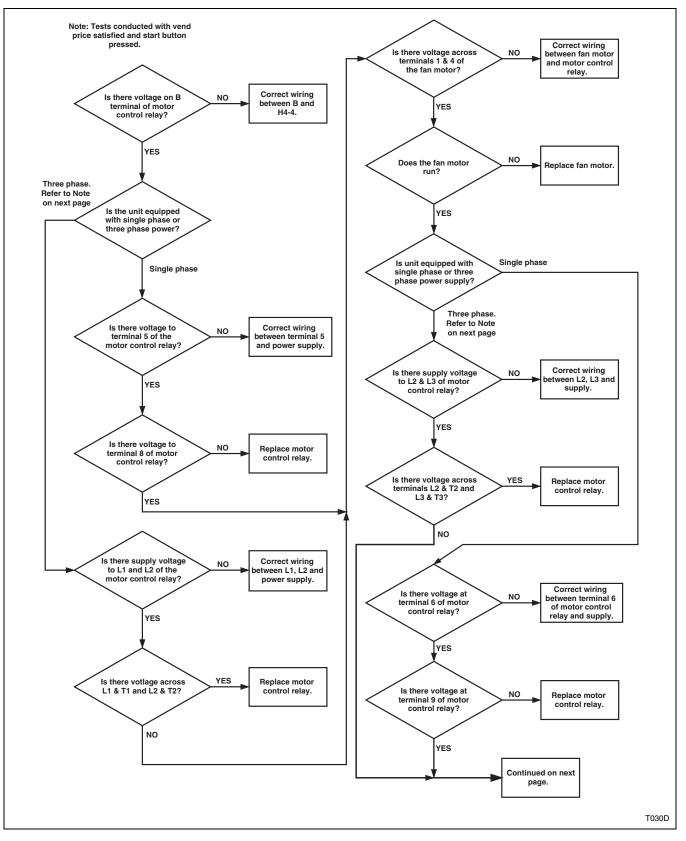
Notes

## Will Not Start/Continue Running

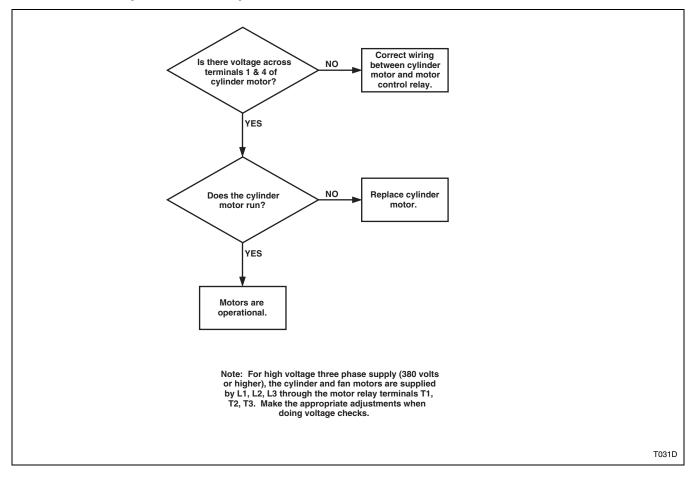
#### EDC Control (Sheet 1 of 3)



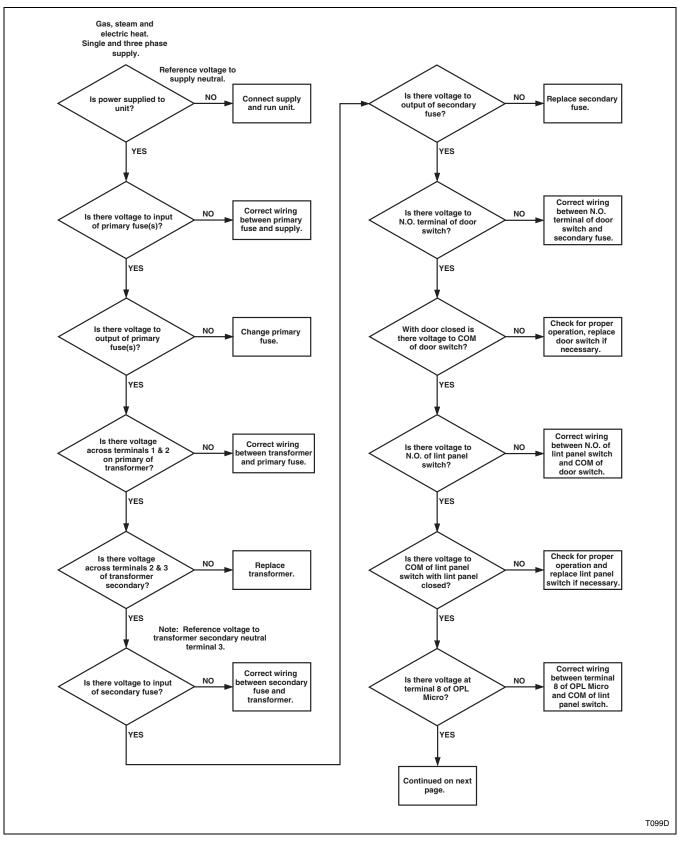
#### EDC Control (Sheet 2 of 3)



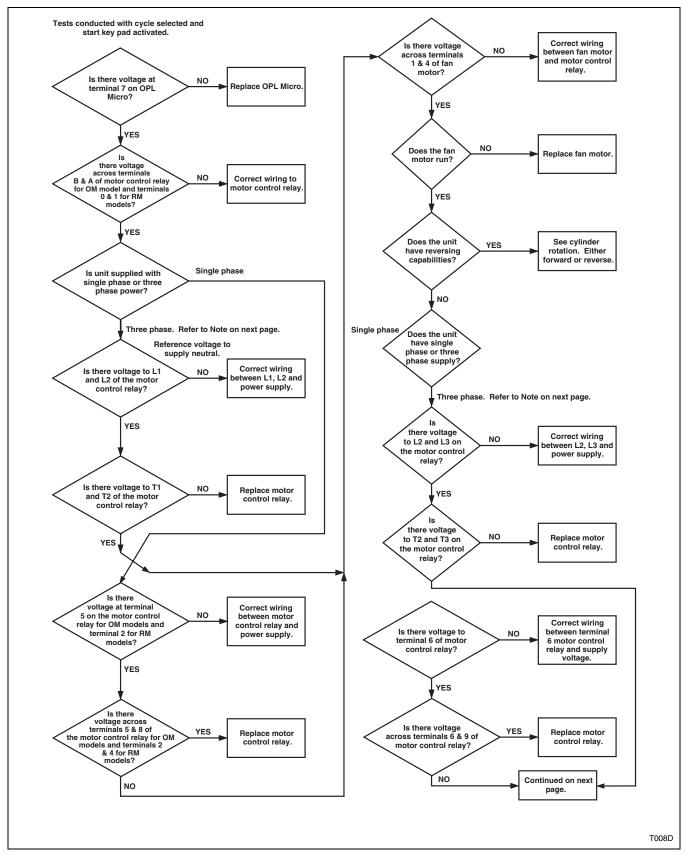
#### EDC Control (Sheet 3 of 3)



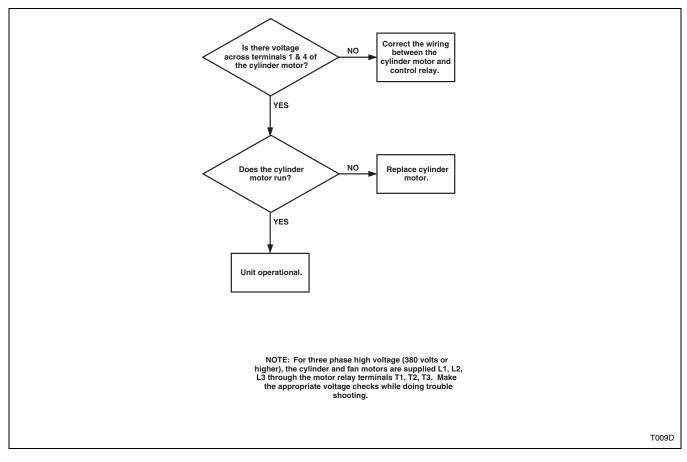
# OPL Microprocessor Control (Sheet 1 of 3)



#### OPL Microprocessor Control (Sheet 2 of 3)



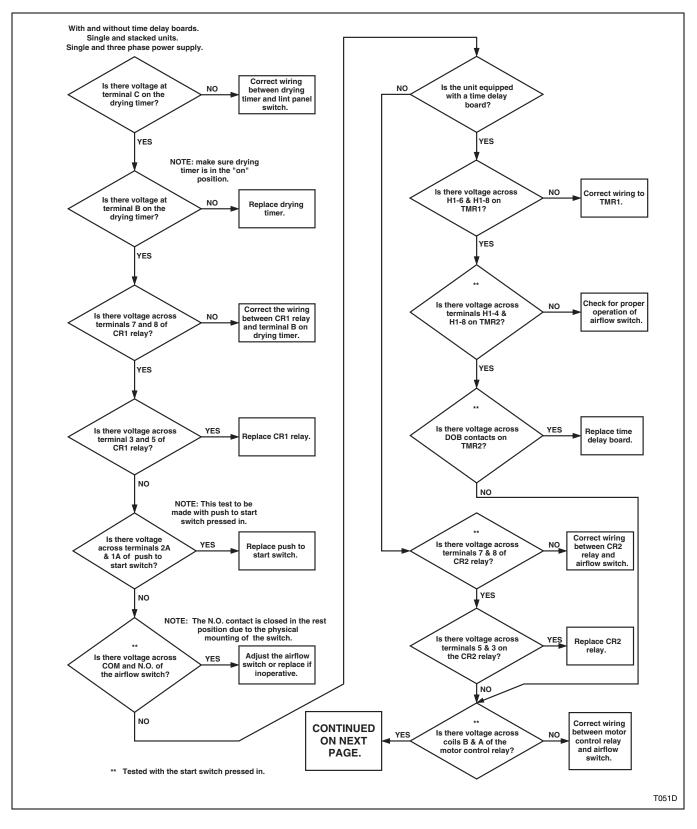
#### OPL Microprocessor Control (Sheet 3 of 3)



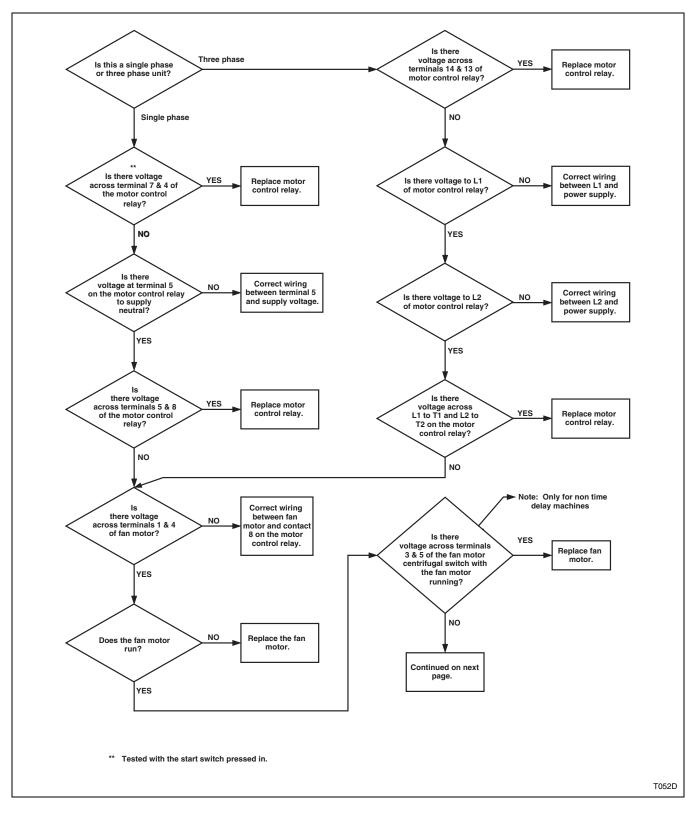
# Will Not Run

#### Electric

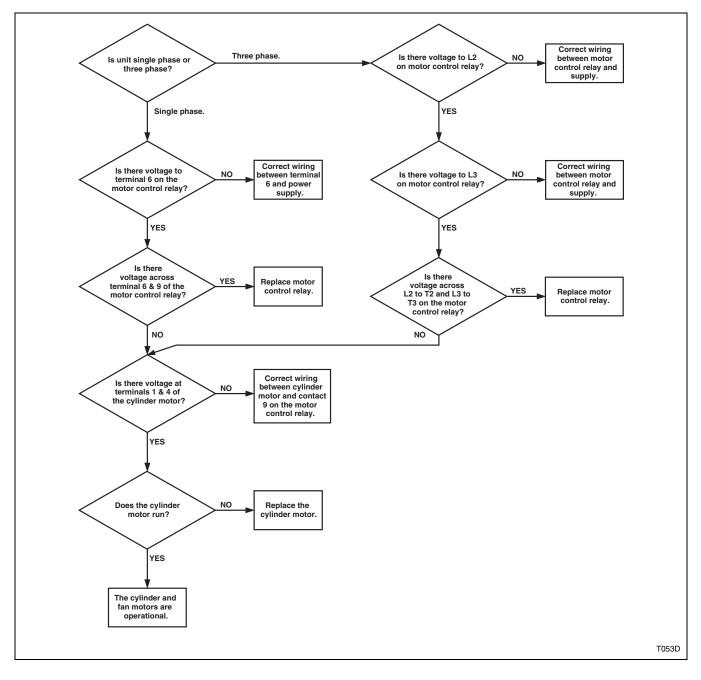
#### Manual Timer (Sheet 1 of 3)



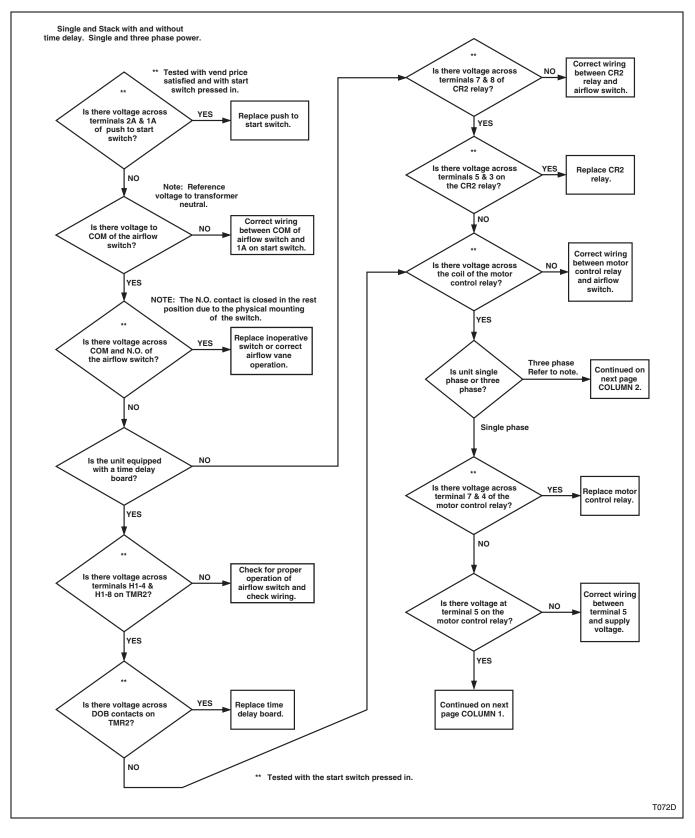
#### Manual Timer (Sheet 2 of 3)



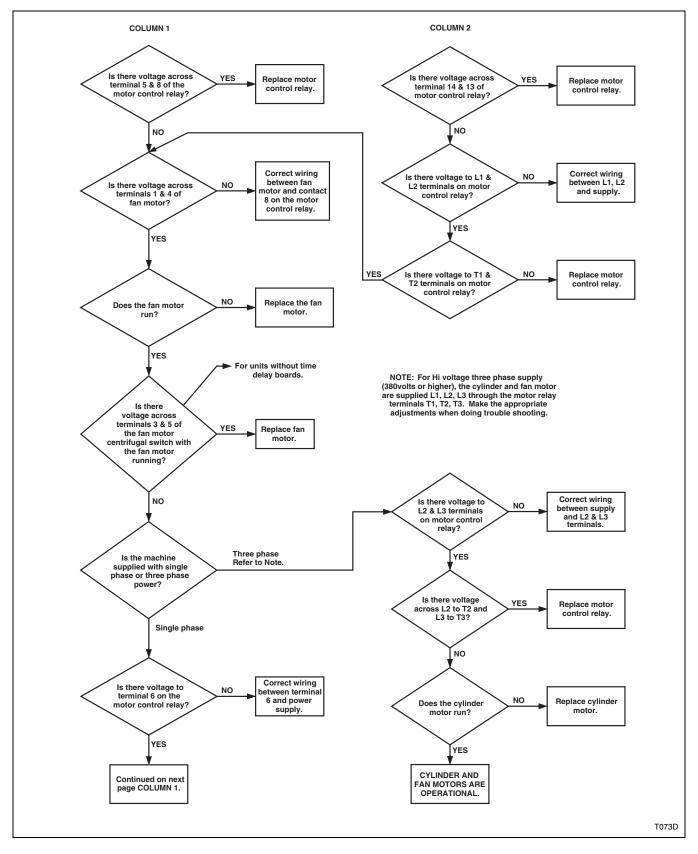
#### Manual Timer (Sheet 3 of 3)



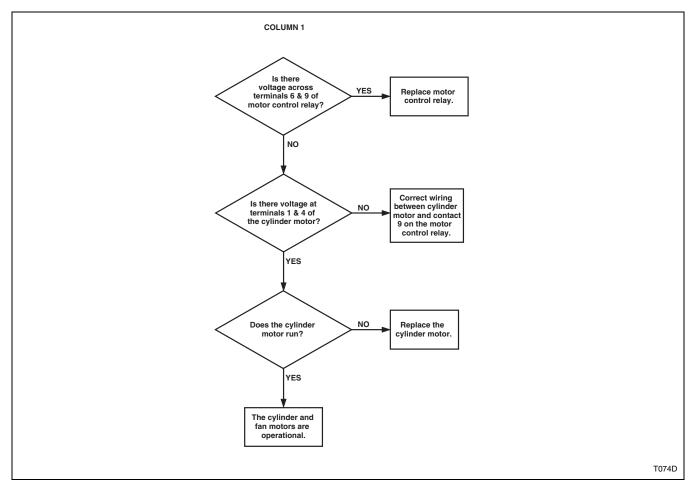
#### Rotary Coin Drop (Sheet 1 of 3)



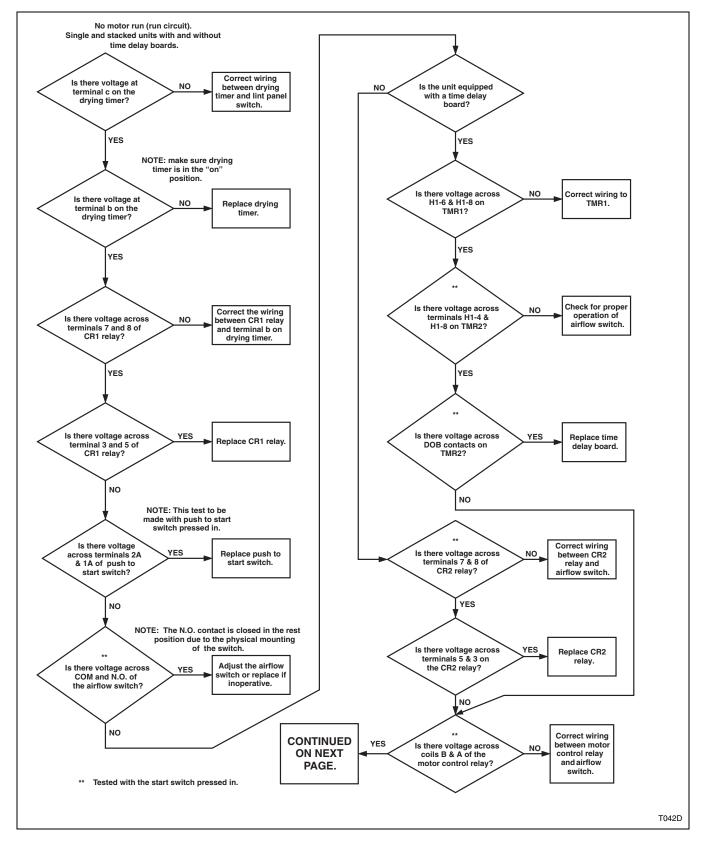
## Rotary Coin Drop (Sheet 2 of 3)



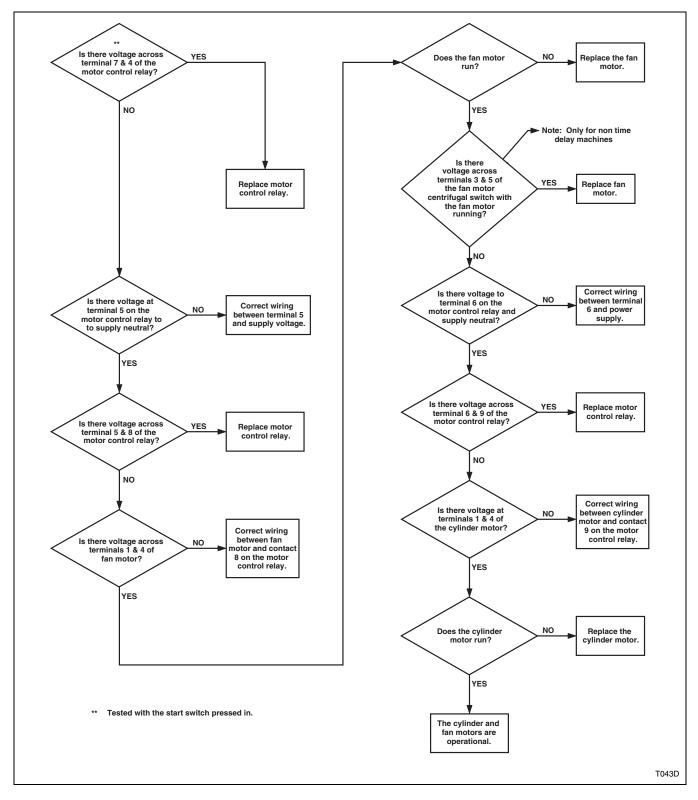
## Rotary Coin Drop (Sheet 3 of 3)



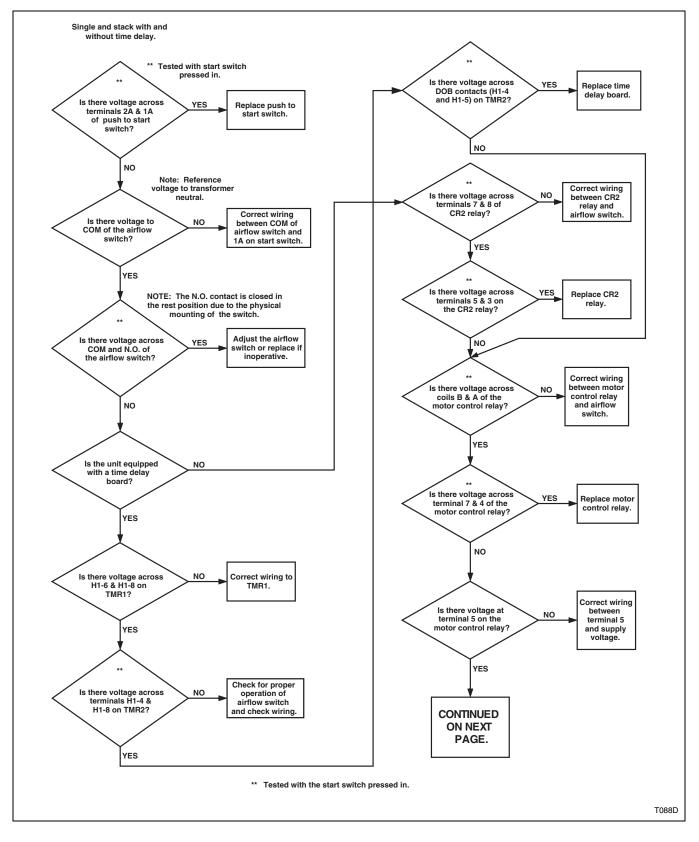
#### Manual Timer (Sheet 1 of 2)



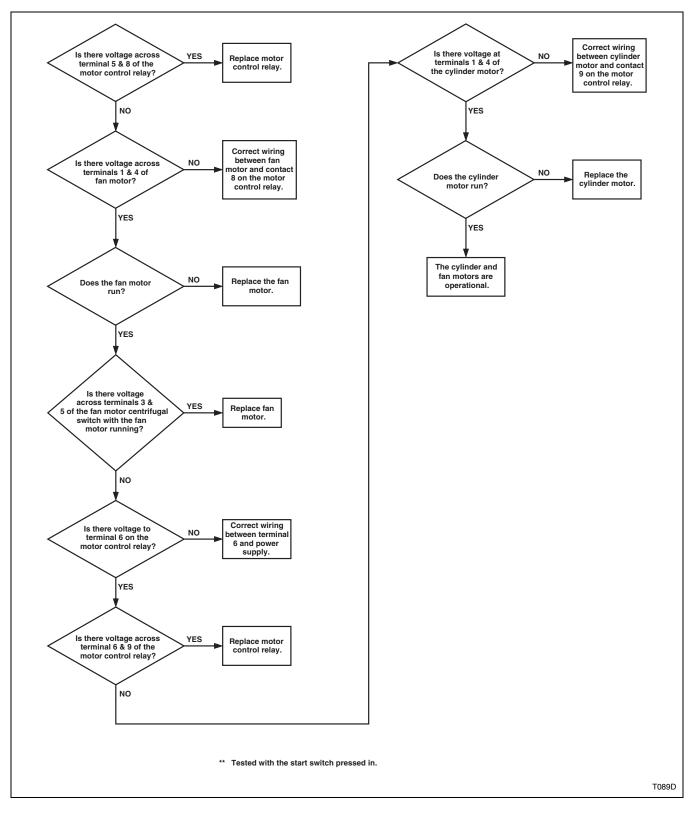
## Manual Timer (Sheet 2 of 2)



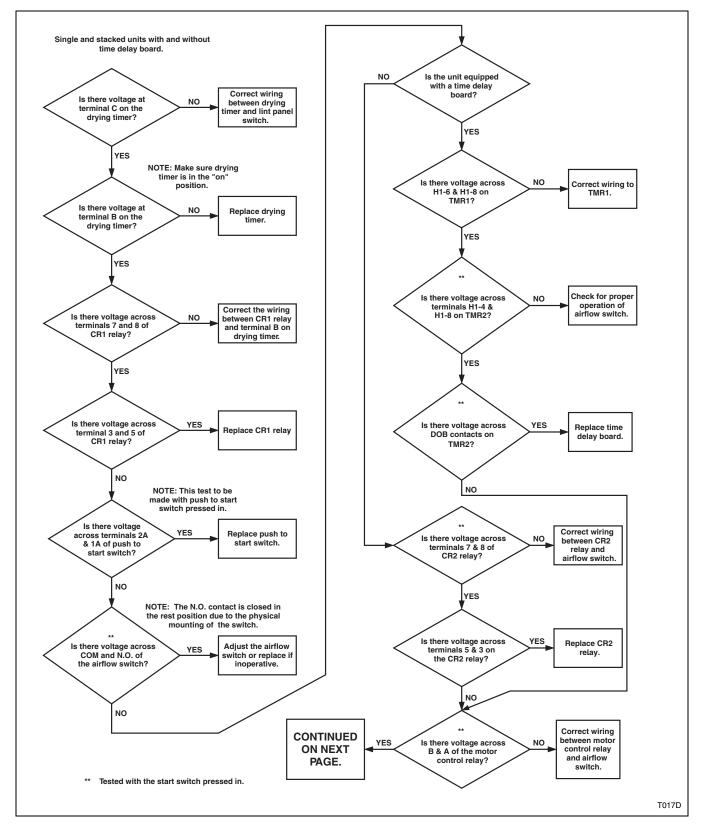
# Rotary Coin Drop (Sheet 1 of 2)



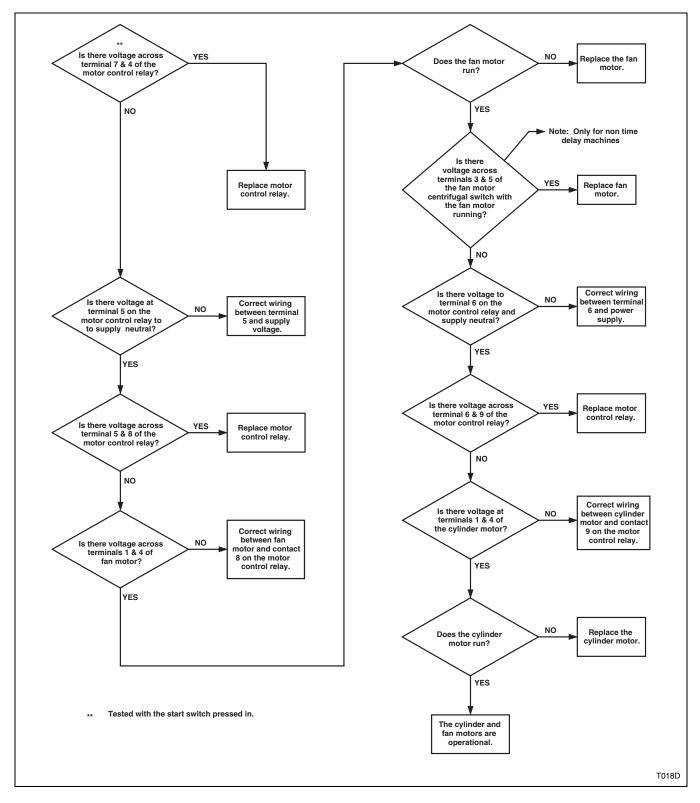
# Rotary Coin Drop (Sheet 2 of 2)



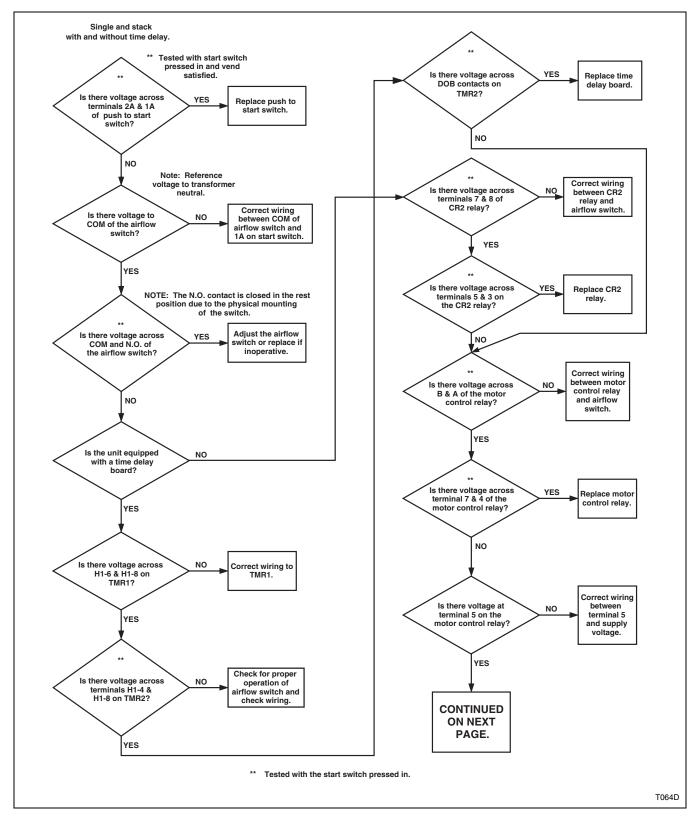
# Manual Timer (Sheet 1 of 2)



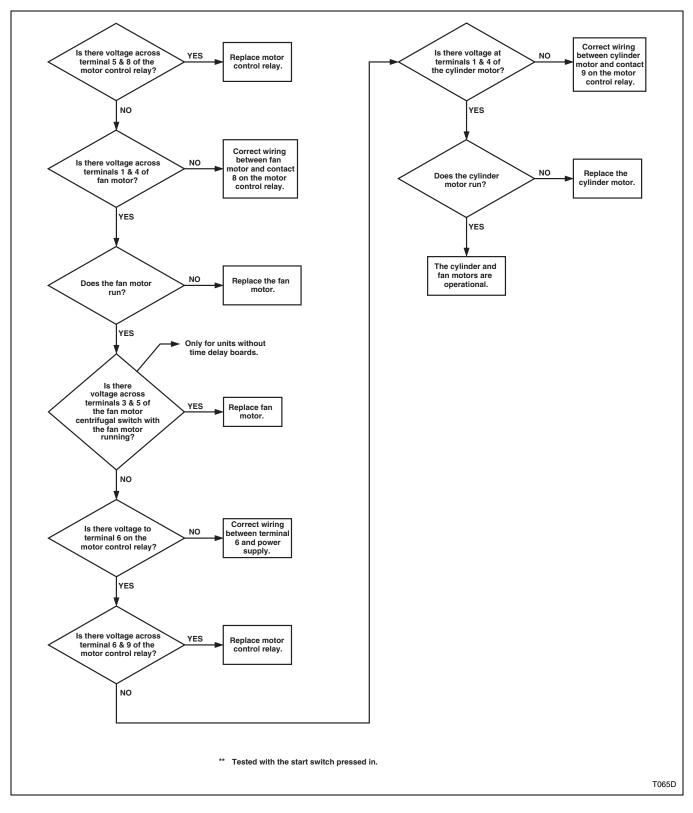
#### Manual Timer (Sheet 2 of 2)



## Rotary Coin Drop (Sheet 1 of 2)



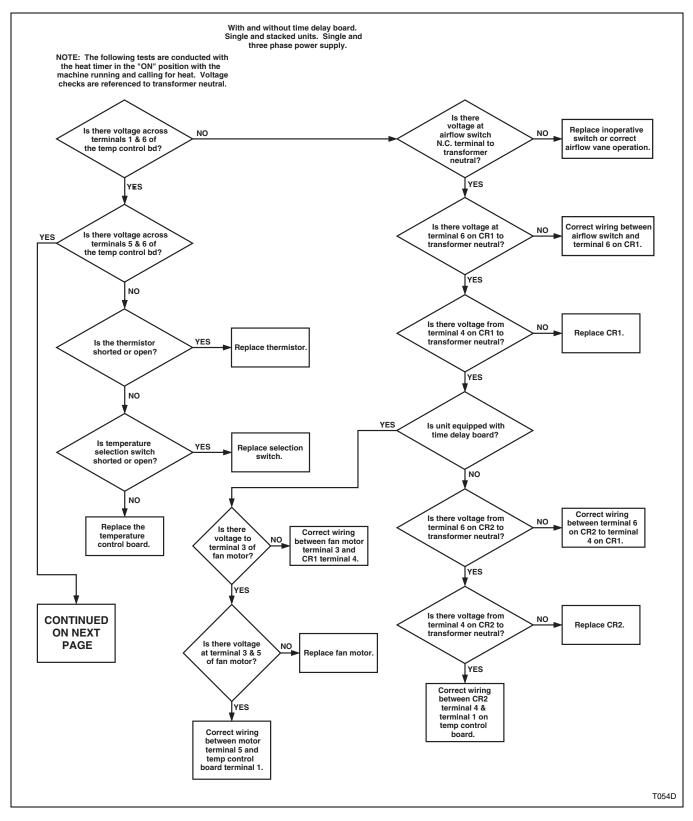
# Rotary Coin Drop (Sheet 2 of 2)



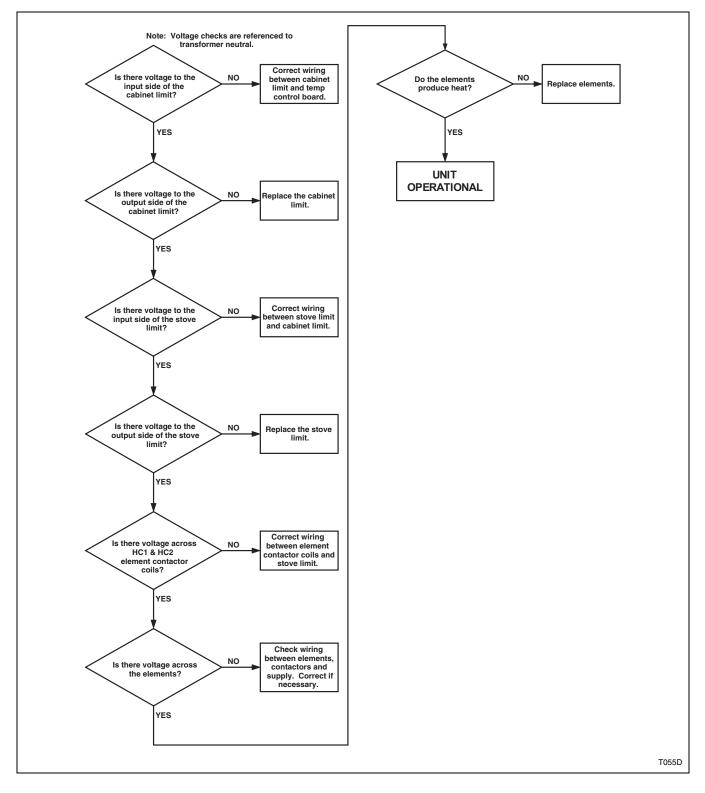
# Will Not Heat

# Electric

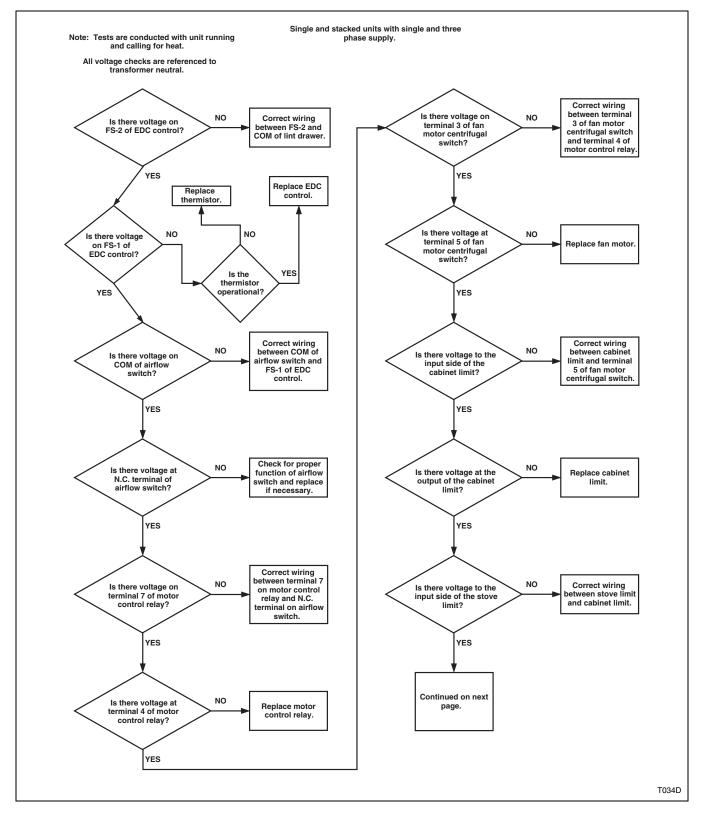
#### Manual Timer (Sheet 1 of 2)



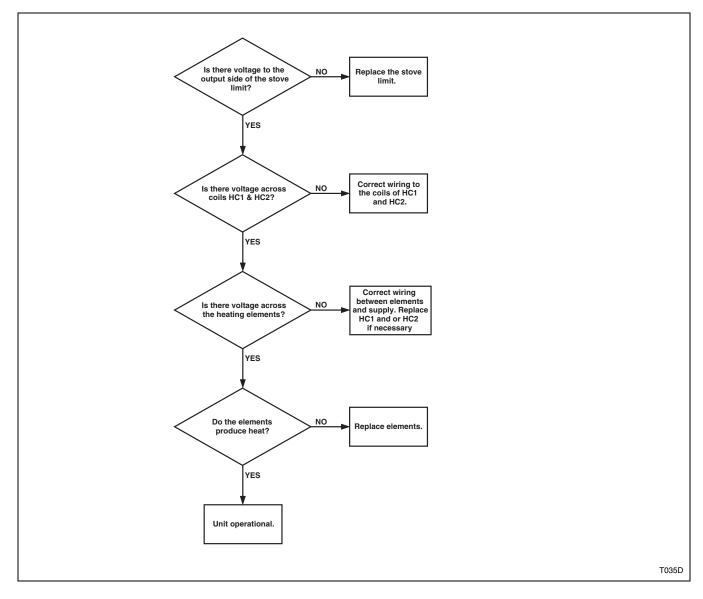
## Manual Timer (Sheet 2 of 2)

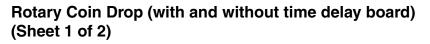


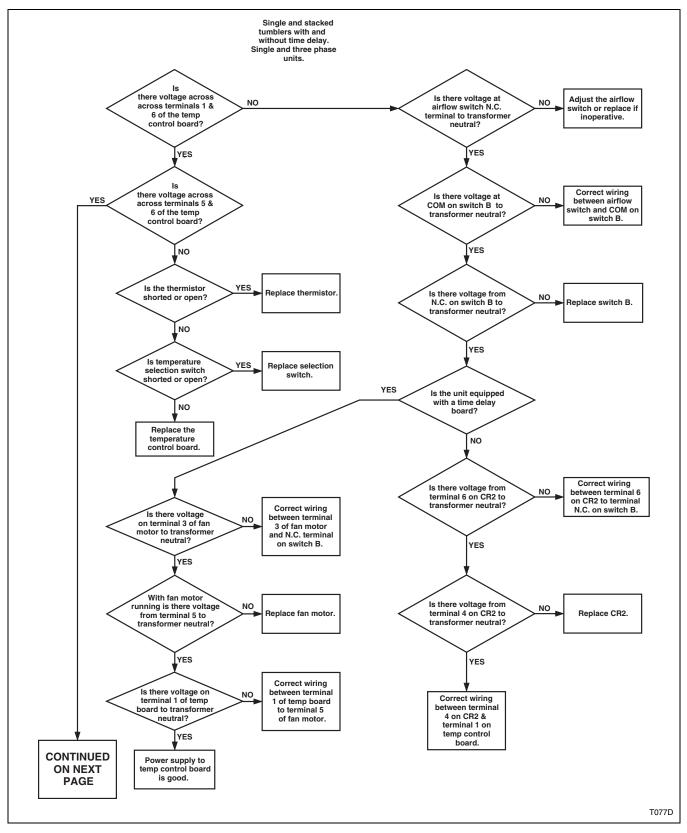
# Rotary Coin Drop (Sheet 1 of 2)



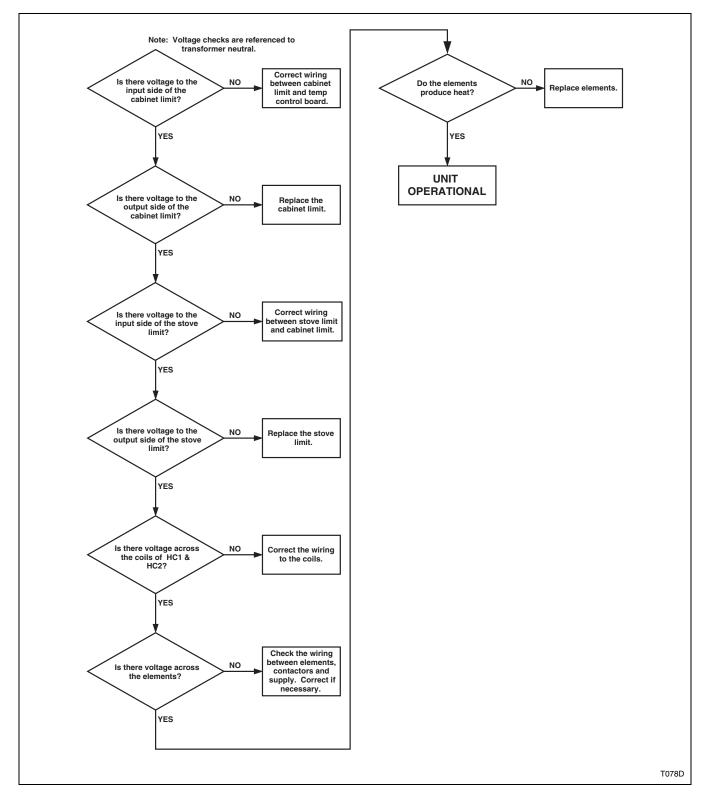
## Rotary Coin Drop (Sheet 2 of 2)





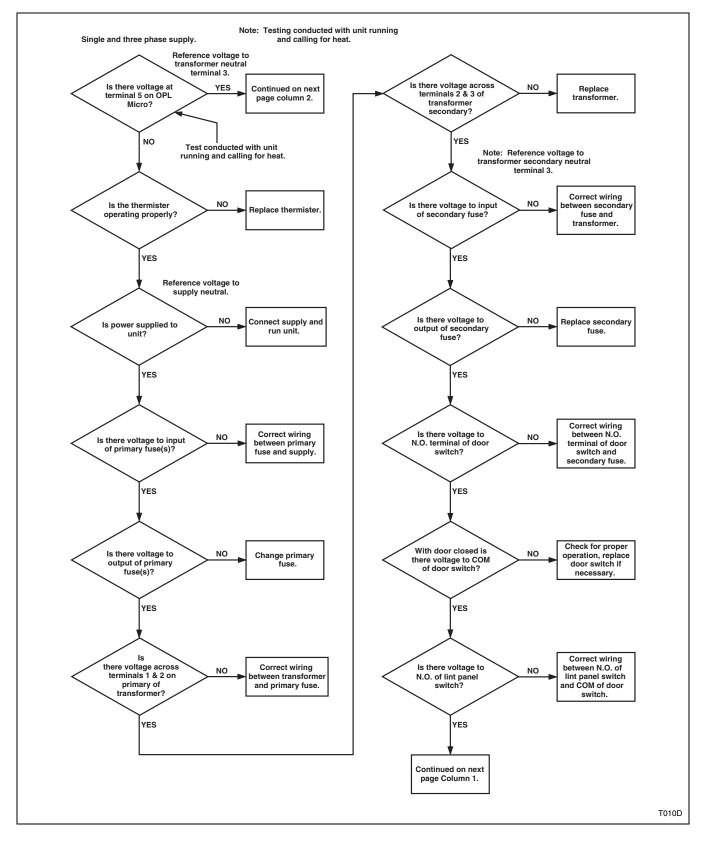


# Rotary Coin Drop (with and without time delay board) (Sheet 2 of 2)



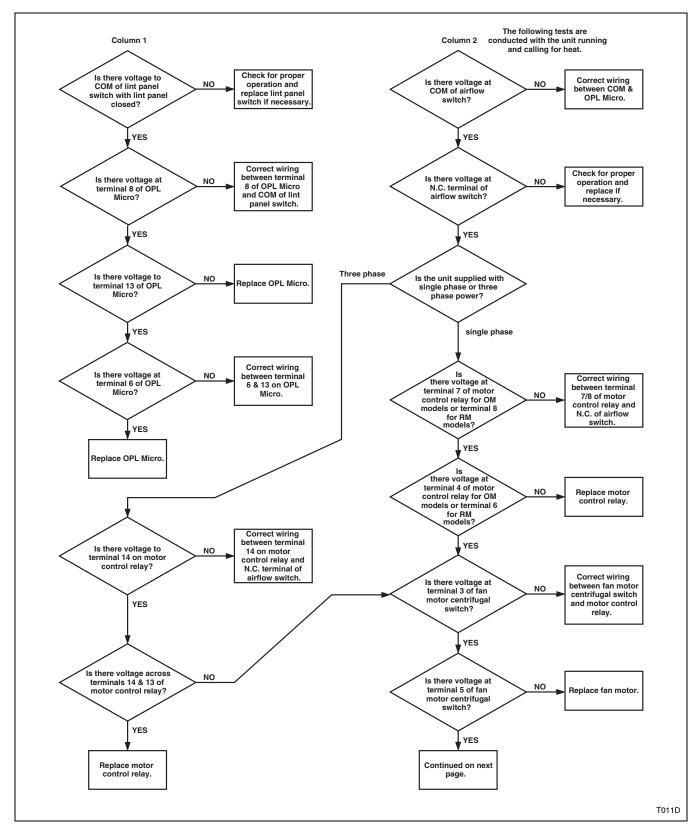
# **Electric/Gas**

#### **OPL Microprocessor (Sheet 1 of 3)**



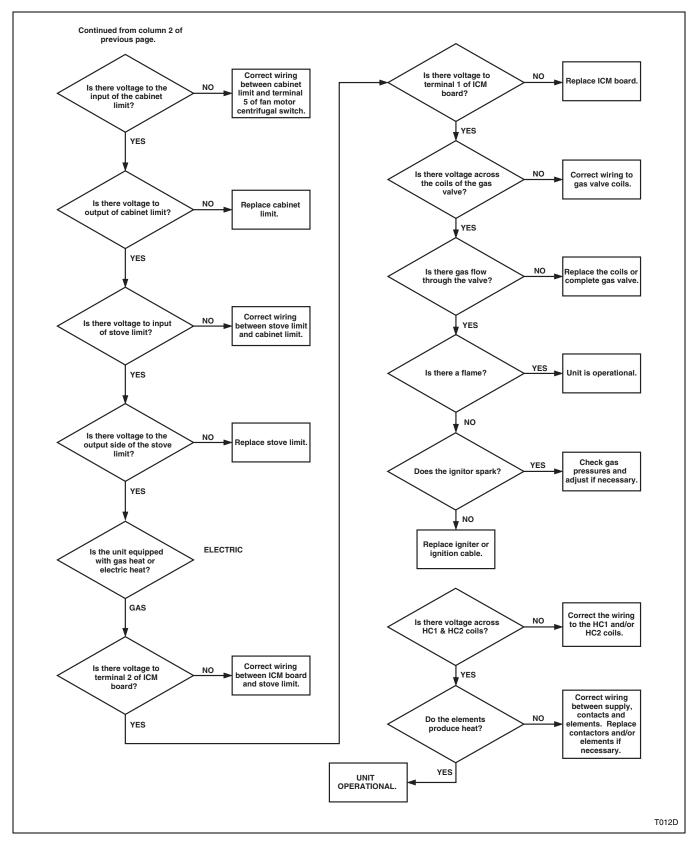
## **Electric/Gas**

#### **OPL Microprocessor (Sheet 2 of 3)**

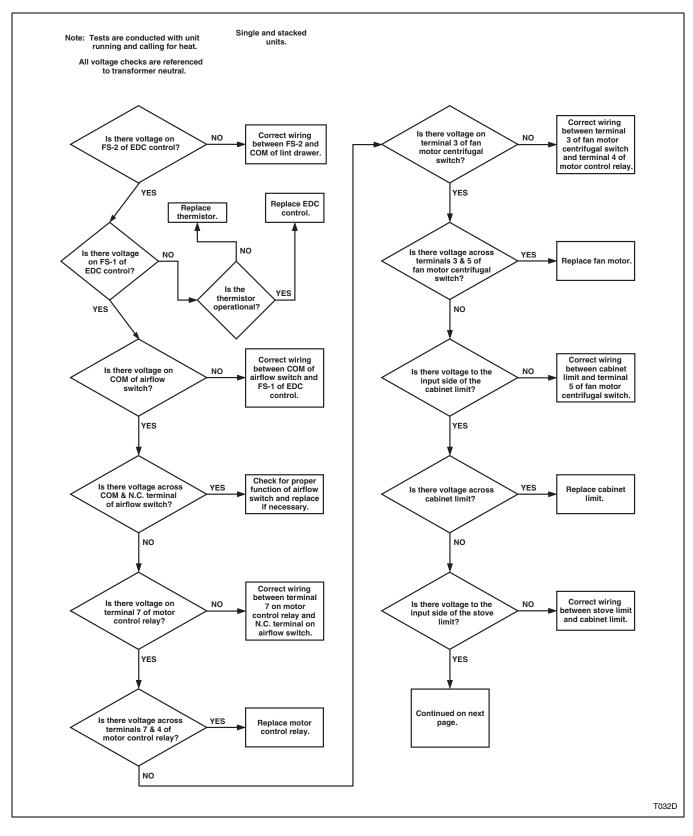


# **Electric/Gas**

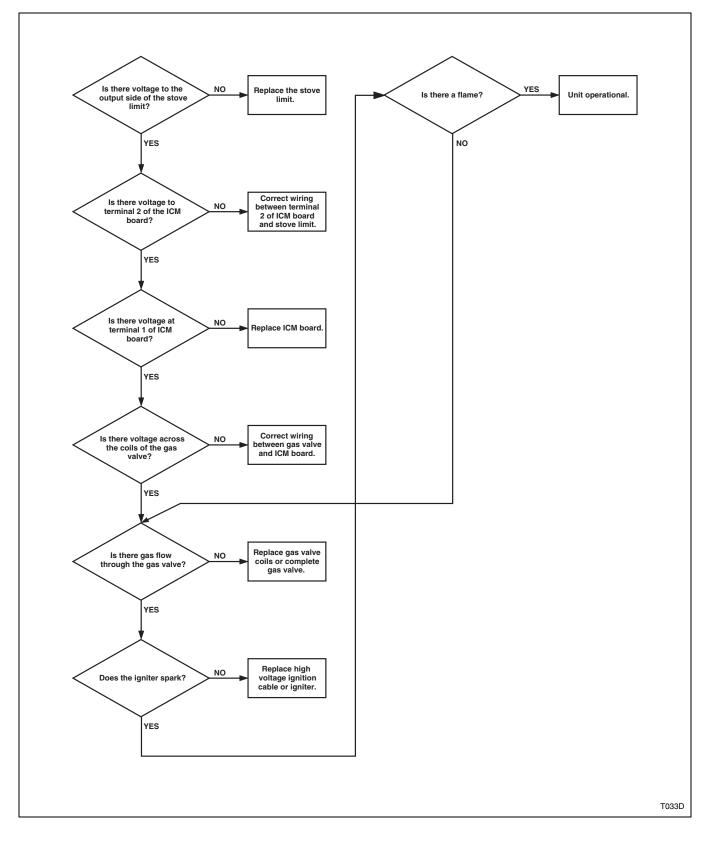
## **OPL Microprocessor (Sheet 3 of 3)**



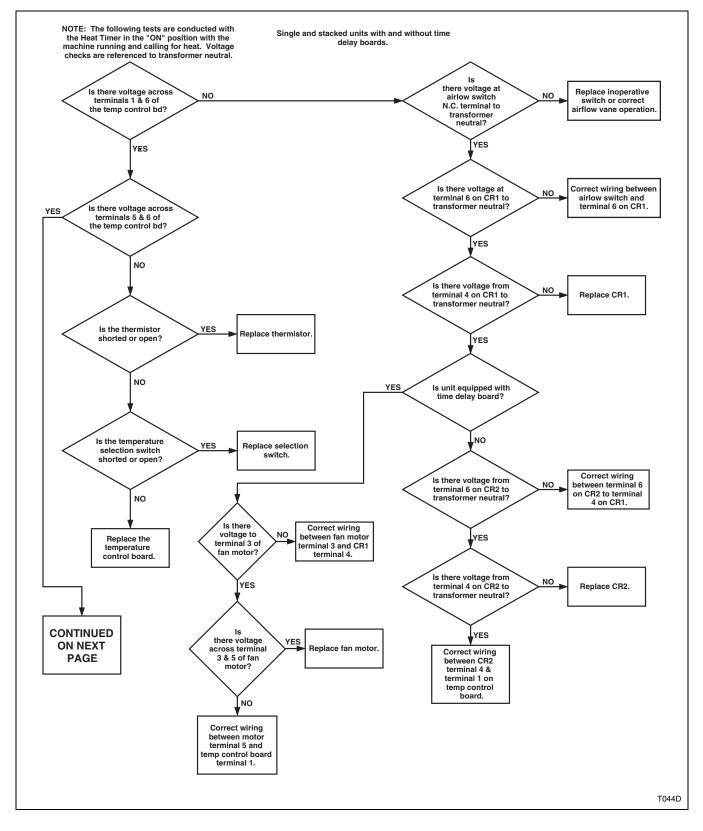
## EDC Models (Sheet 1 of 2)



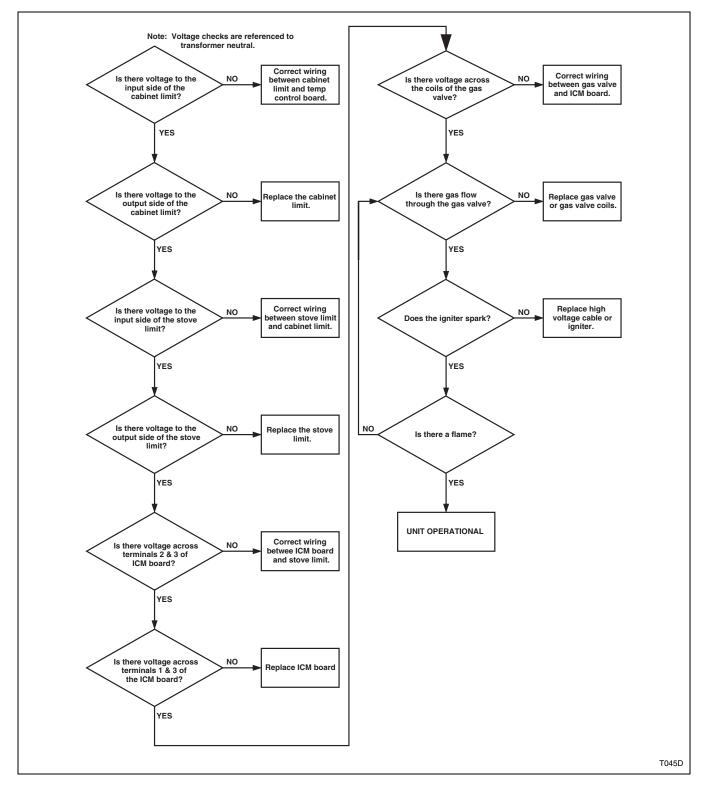
## EDC Models (Sheet 2 of 2)



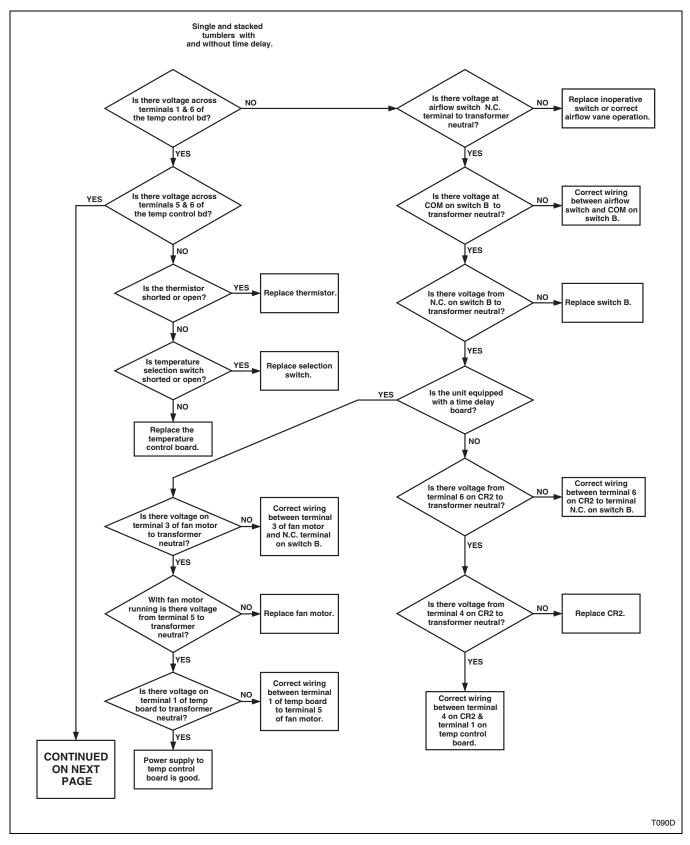
# Manual Timer (Sheet 1 of 2)



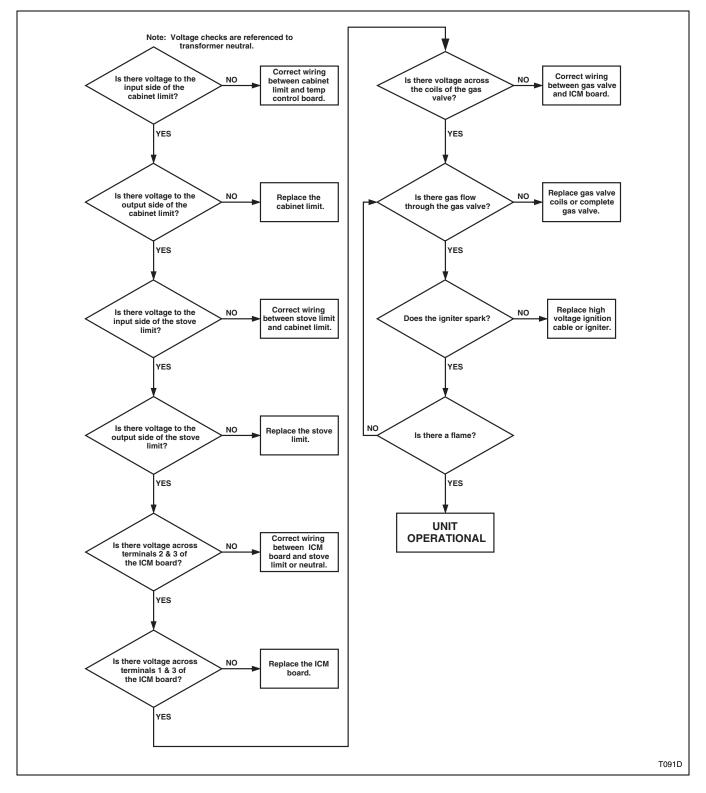
## Manual Timer (Sheet 2 of 2)



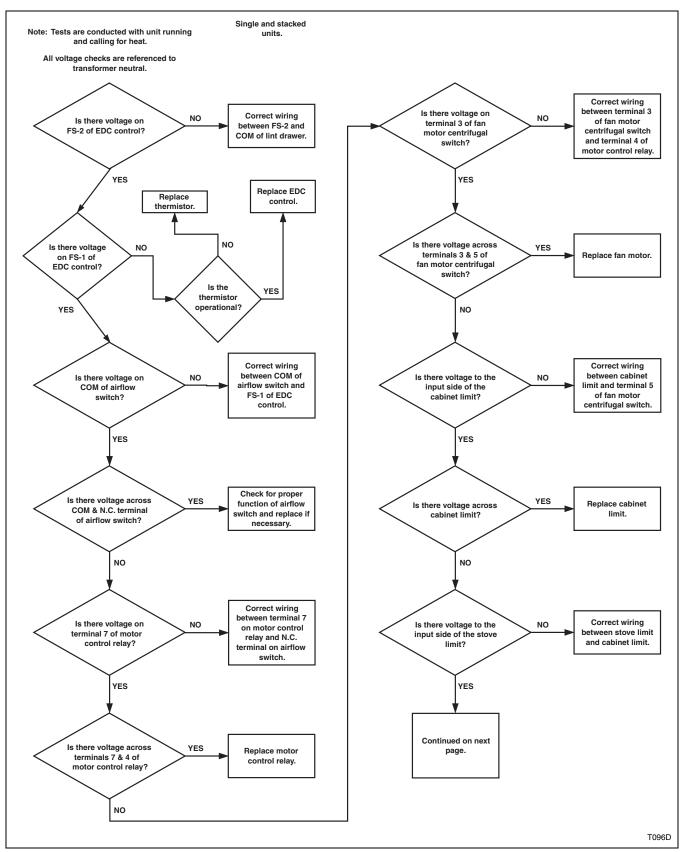
# Rotary Coin Drop (Sheet 1 of 2)



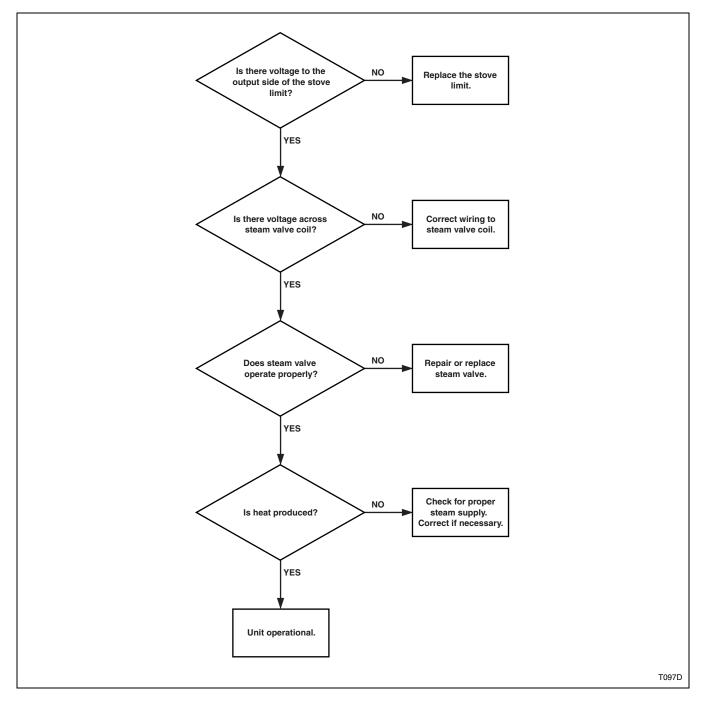
# Rotary Coin Drop (Sheet 2 of 2)



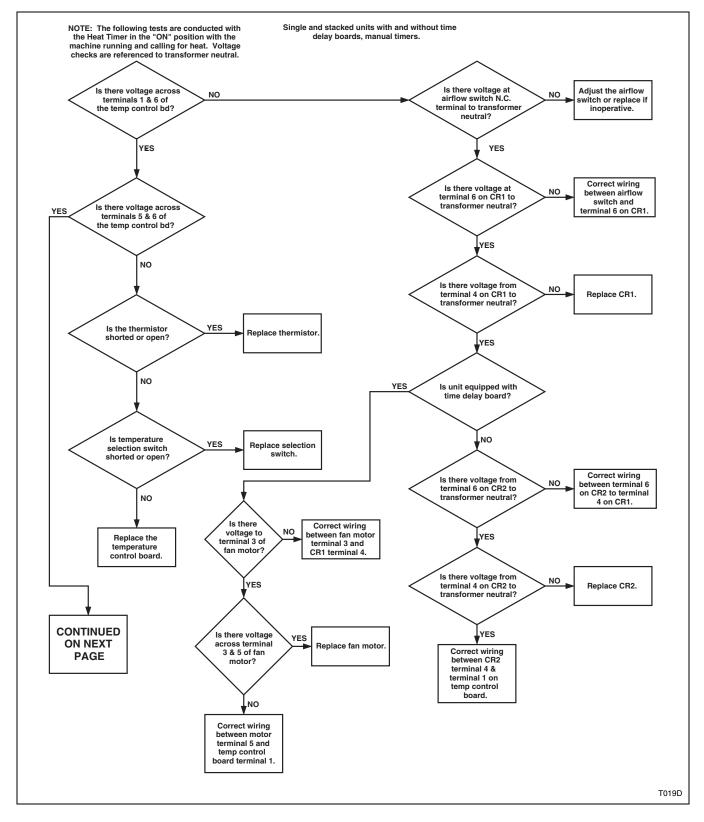
# EDC Models (Sheet 1 of 2)



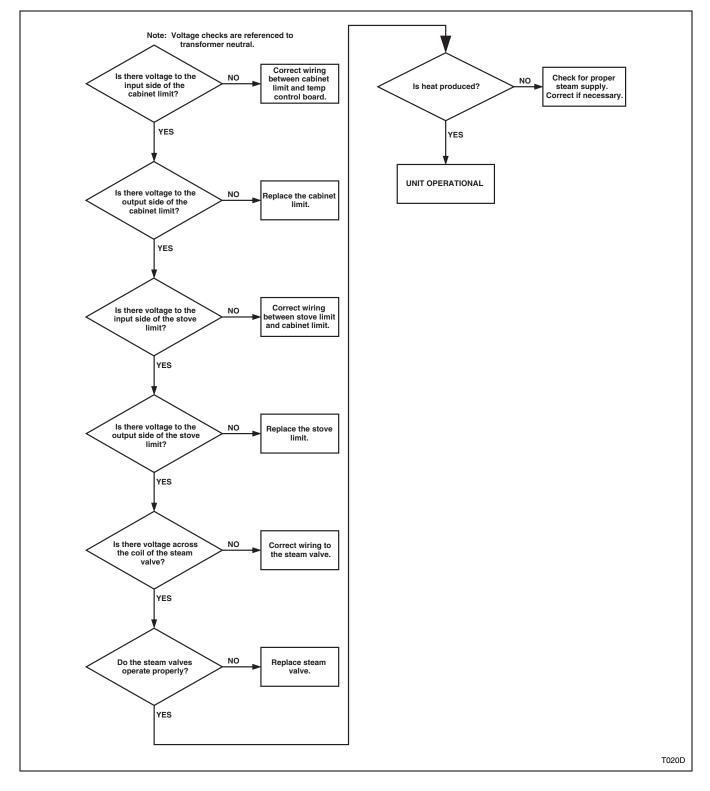
## EDC Models (Sheet 2 of 2)



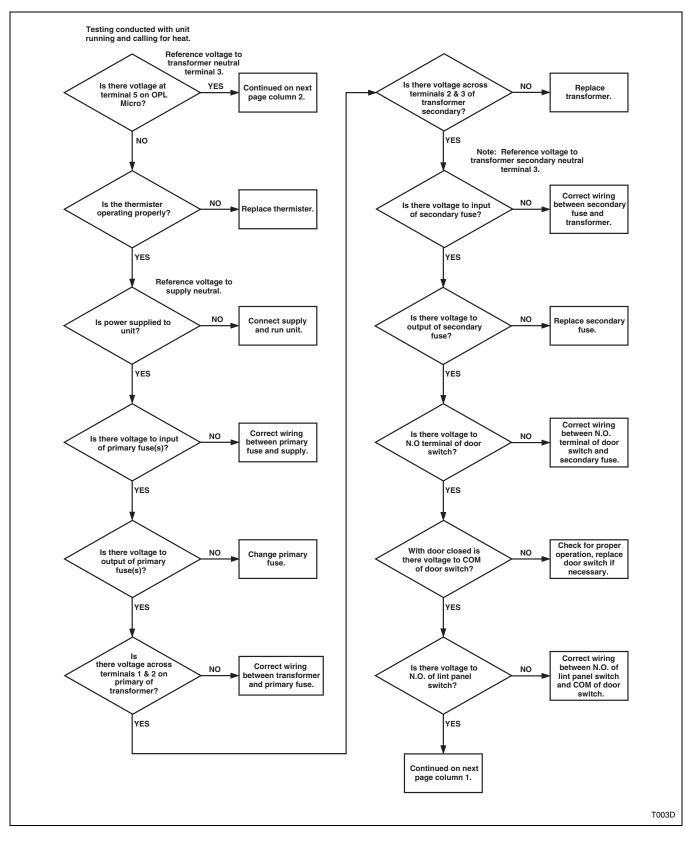
## Manual Timer (Sheet 1 of 2)



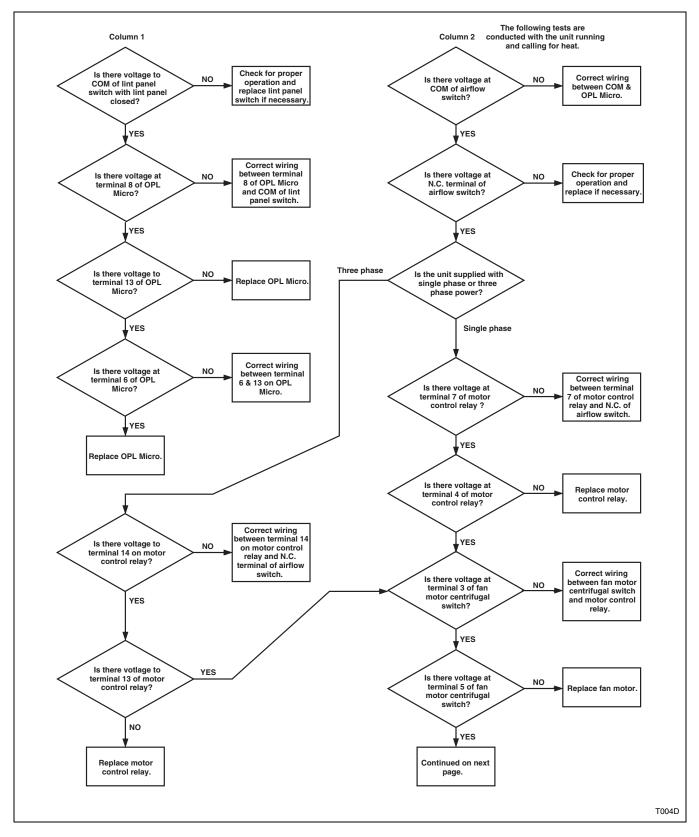
# Manual Timer (Sheet 2 of 2)



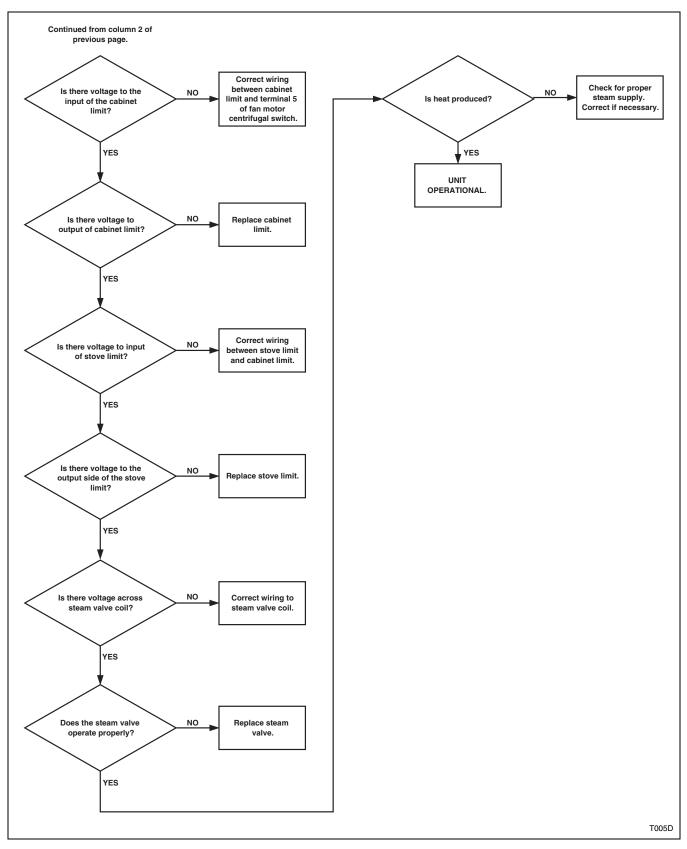
# **OPL Microprocessor (Sheet 1 of 3)**



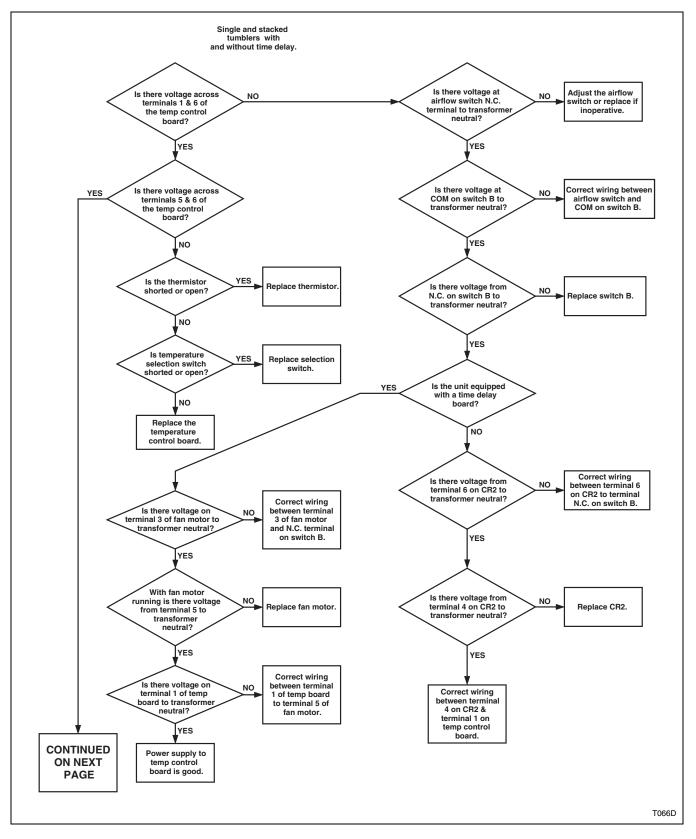
## **OPL Microprocessor (Sheet 2 of 3)**



# **OPL Microprocessor (Sheet 3 of 3)**



## Rotary Coin Drop (Sheet 1 of 2)



# Rotary Coin Drop (Sheet 2 of 2)

