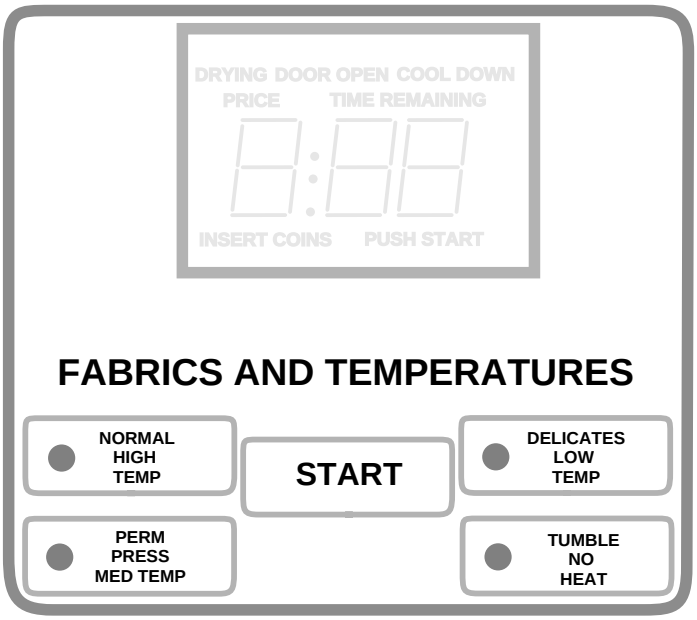
Electronic Control

Tumbler Troubleshooting Guide

JTD30XG-EC, JTB30XG-EC, STB30XG-3C, JTD32DG-EC, STD32DG-EC



C541i

Troubleshooting

Alliance Laundry Systems

Part No. M412010R2
July 1999

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 that you understand and have the skills to carry out.**
- **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.**

W006R1

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 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 these products. These factors MUST BE supplied by the person(s) installing, maintaining or operating the product.

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

Recognize Safety Symbols, Words and Labels

⚠DANGER—Immediate hazards which WILL result in serious injury or death

⚠WARNING—Hazards or unsafe practices which COULD result in serious injury or death.

⚠CAUTION—Hazards or unsafe practices which COULD result in minor or moderate injury or product or property damage.

W009

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Tumbler
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NOTE: All voltage checks in this Troubleshooting Guide are 120 Volts. There should be little variation from this voltage range.

SECTION 1
Electronic Control Error Code Listing

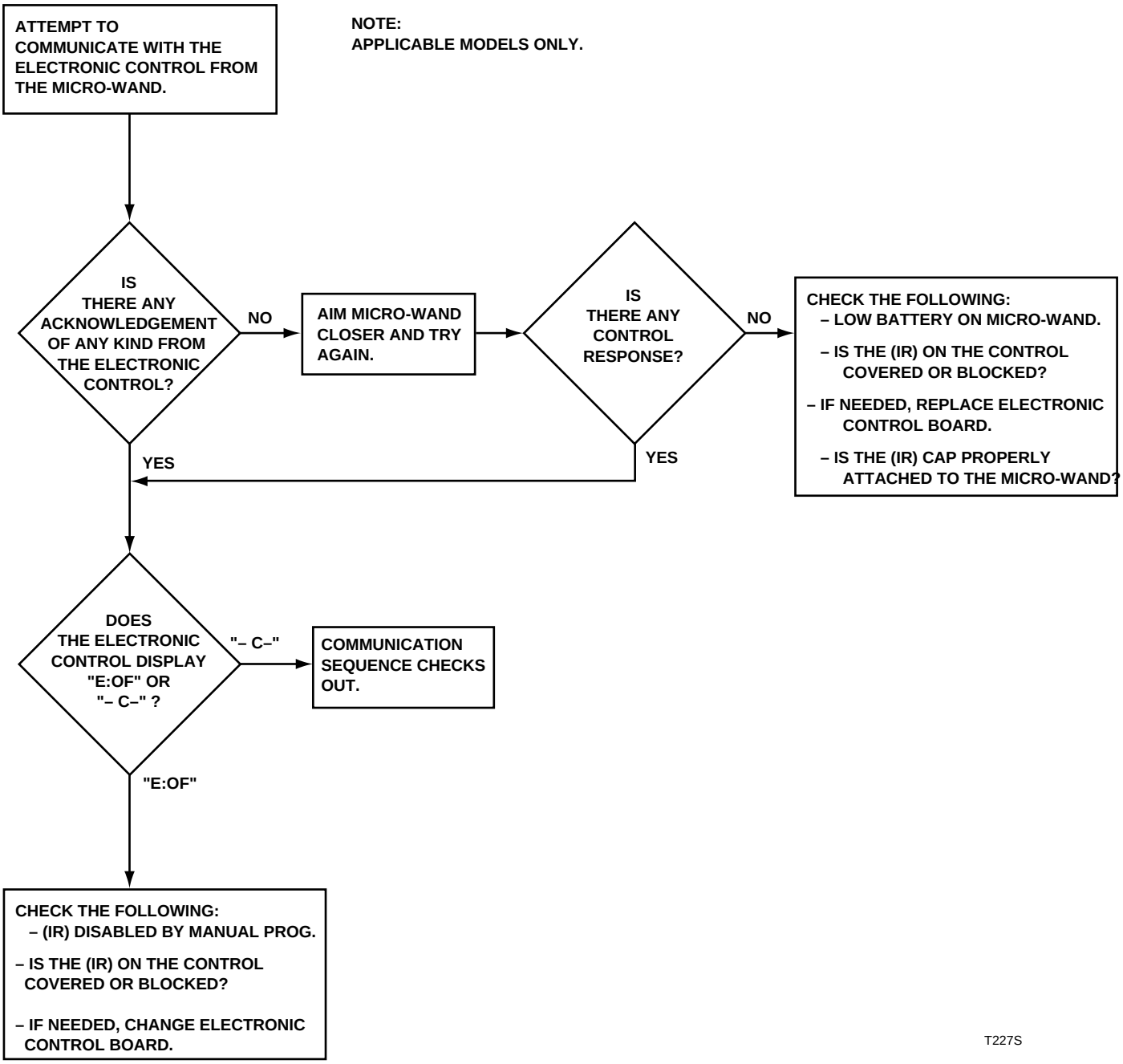
Listed below are some of the error codes that may appear on the Electronic Control.

"E:00"	General Error	
"E:01"	Proximity Error	Micro-wand IIIe is improperly aimed at Infrared communicator (angle or distance): Re-aim Micro-wand IIIe.
"E:02"	IR Communication Disconnection	Micro-wand IIIe prematurely pulled away from Electronic Control during infrared communication: Maintain infrared connection between Micro-wand IIIe and Electronic Control during communication.
"E:05"	Invalid Value Communication	Invalid code downloaded from Micro-wand IIIe to Electronic Control:
"E:07"	Inoperative Control	Replace Electronic Control.
"E:08"	Inoperative Control	Replace Electronic Control.
"E:09"	Proximity Error	Micro-wand IIIe is improperly aimed at Infrared communicator (angle or distance): Re-aim Micro-wand IIIe.
"E:0A"	Proximity Error	Micro-wand IIIe is improperly aimed at Infrared communicator (angle or distance): Re-aim Micro-wand IIIe.
"E:0B"	IR Communication Disconnection	Micro-wand IIIe prematurely pulled away from Electronic Control during infrared communication: Maintain infrared connection between Micro-wand IIIe and Electronic Control during communication.
"E:0C"	IR Communication Disconnection	Micro-wand IIIe prematurely pulled away from Electronic Control during infrared communication: Maintain infrared connection between Micro-wand IIIe and Electronic Control during communication.
"E:0F"	IR Communicator Programmed Off	Reprogram infrared communicator on.
"Err"	Coin Error	1) Inoperative coin sensor: Run the Coin Drop Diagnostic test. 2) Coin drop obstruction: Check coin drop area and remove any obstructions. 3) Customer tampering: Evaluate security procedures.
"OP"	Open Thermistor	Physical opening in the thermistor circuit: Change thermistor.
"SH"	Shorted Thermistor	Dead short in the thermistor circuit: Change thermistor.

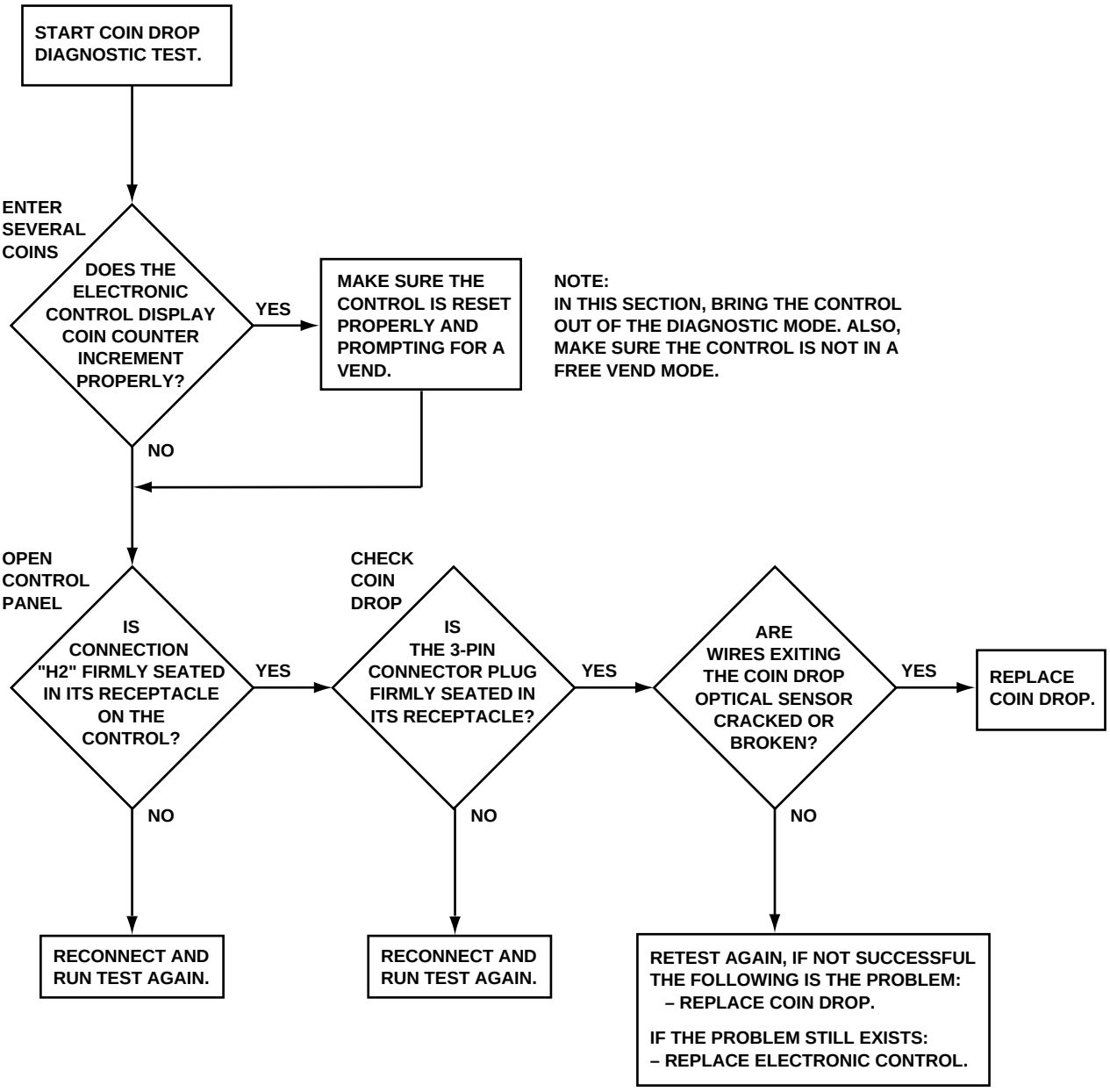
NOTE: Disconnecting power to the unit may clear the error display.

SECTION 2
Troubleshooting

CANNOT PERFORM INFRARED COMMUNICATION

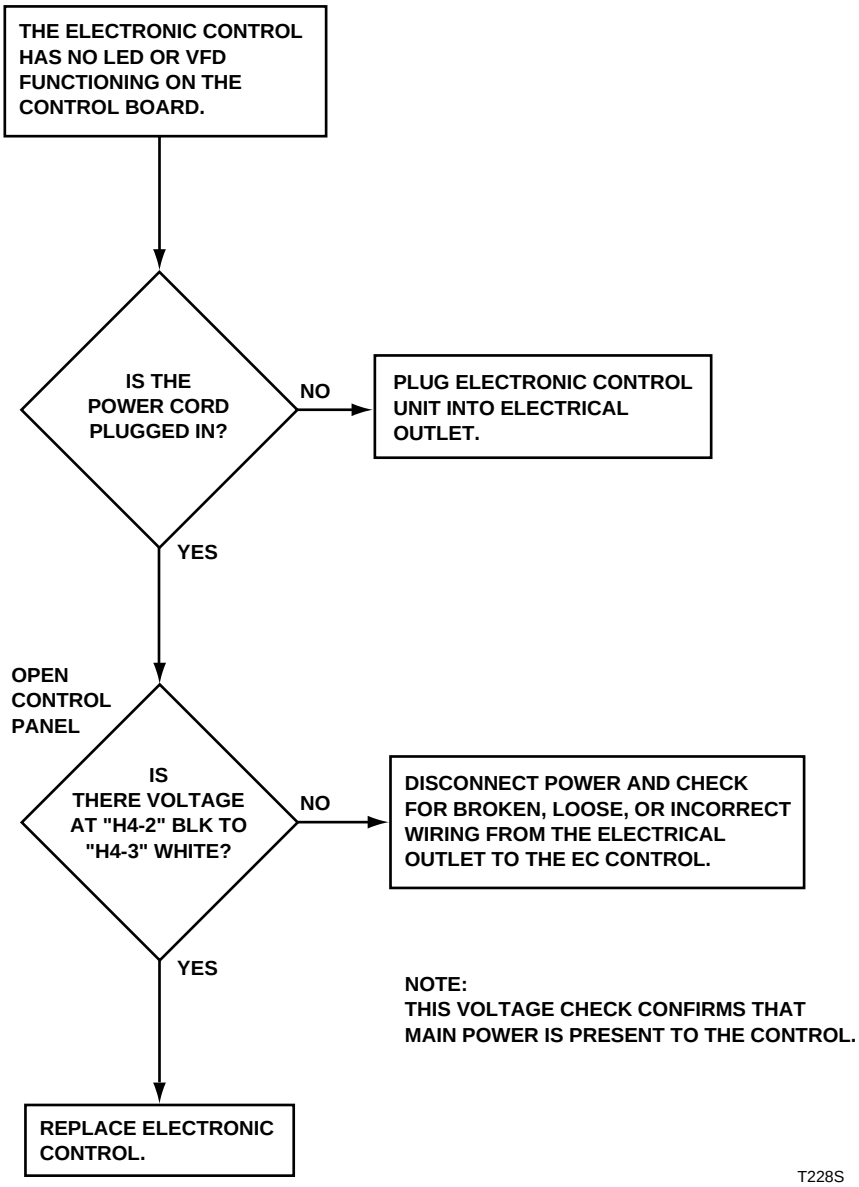


COINS IGNORED WHEN ENTERED

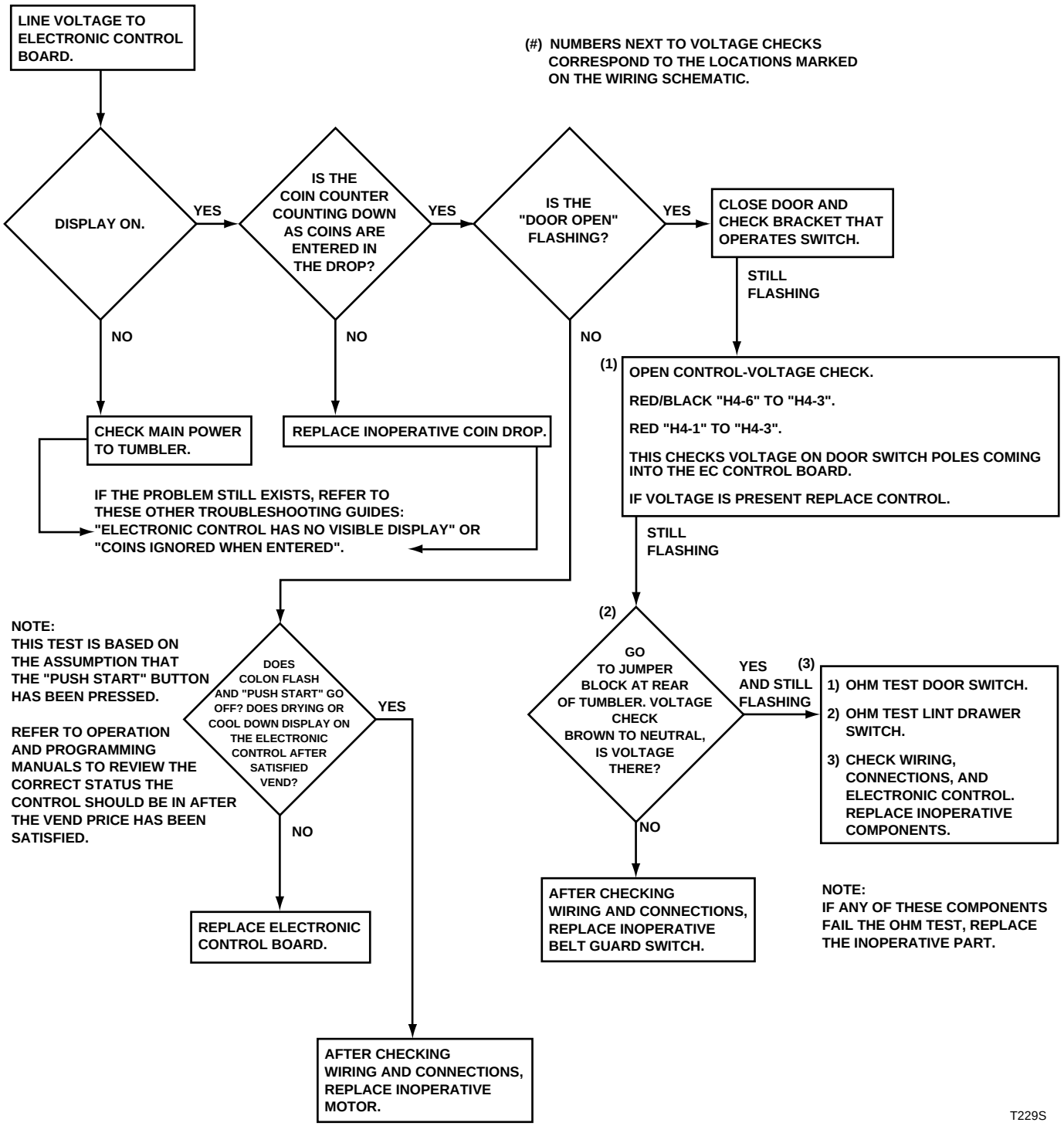


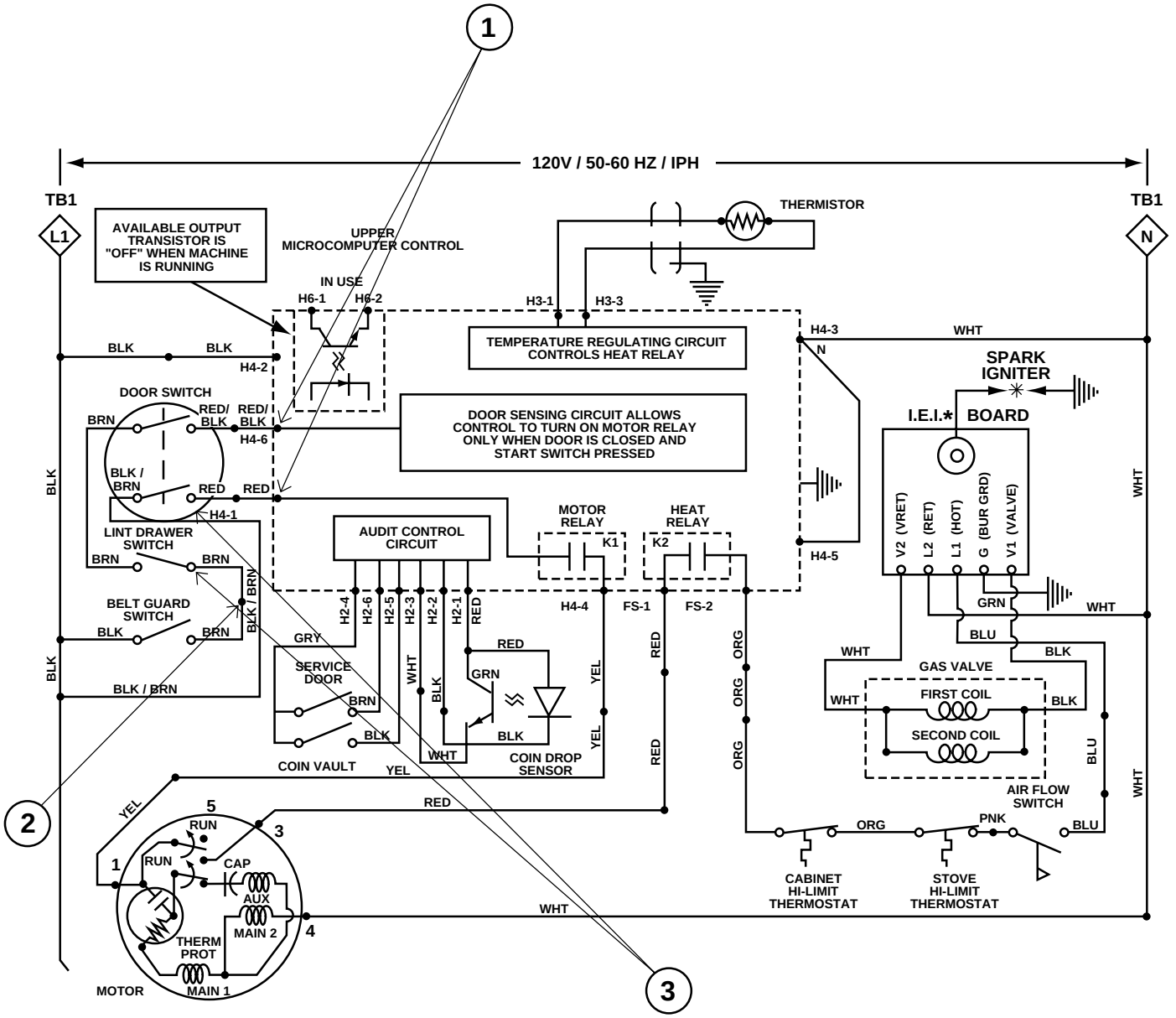
T226S

ELECTRONIC CONTROL HAS NO VISIBLE DISPLAY



NO MOTOR RUN – – "DOOR OPEN" ANALYSIS

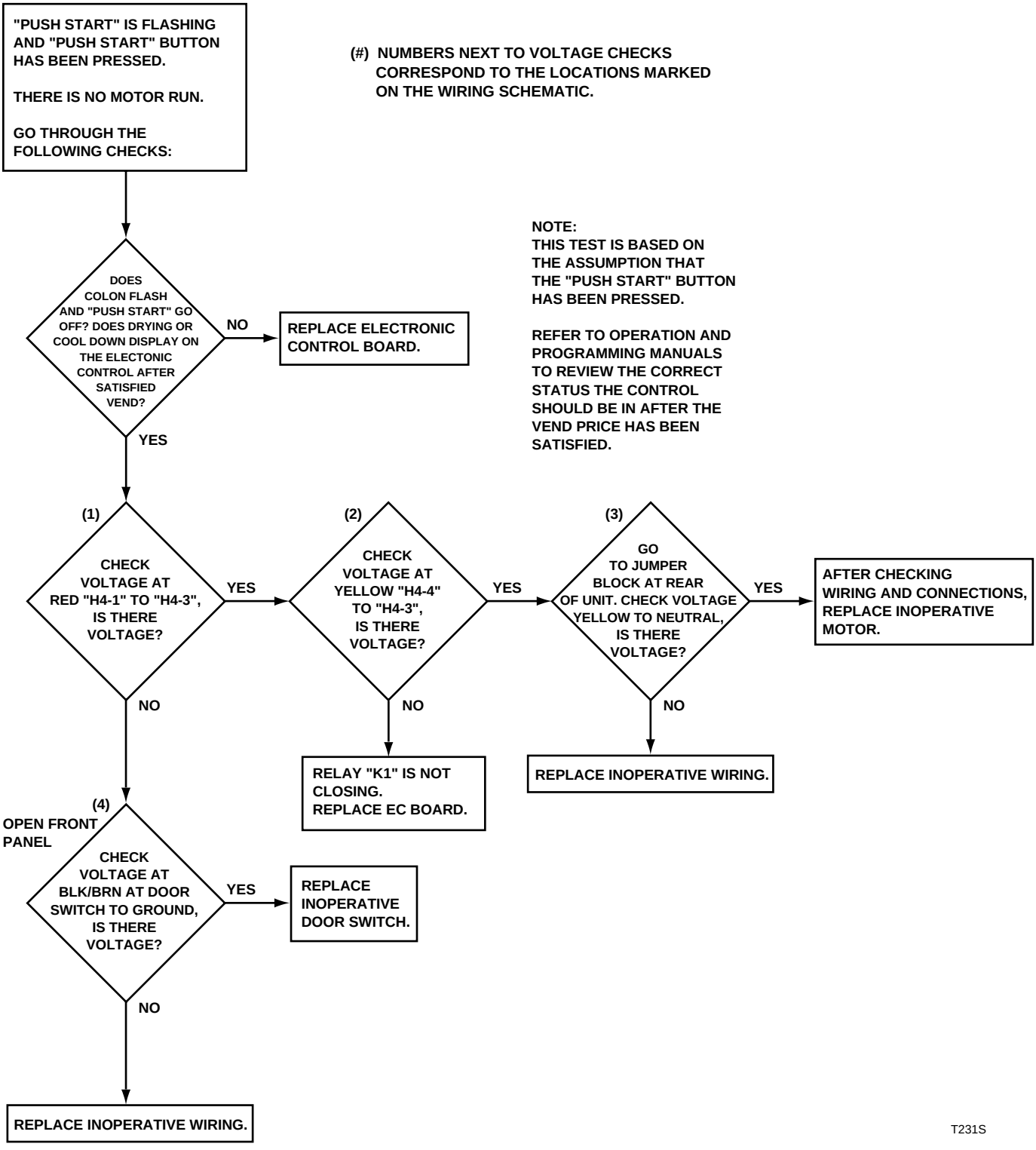


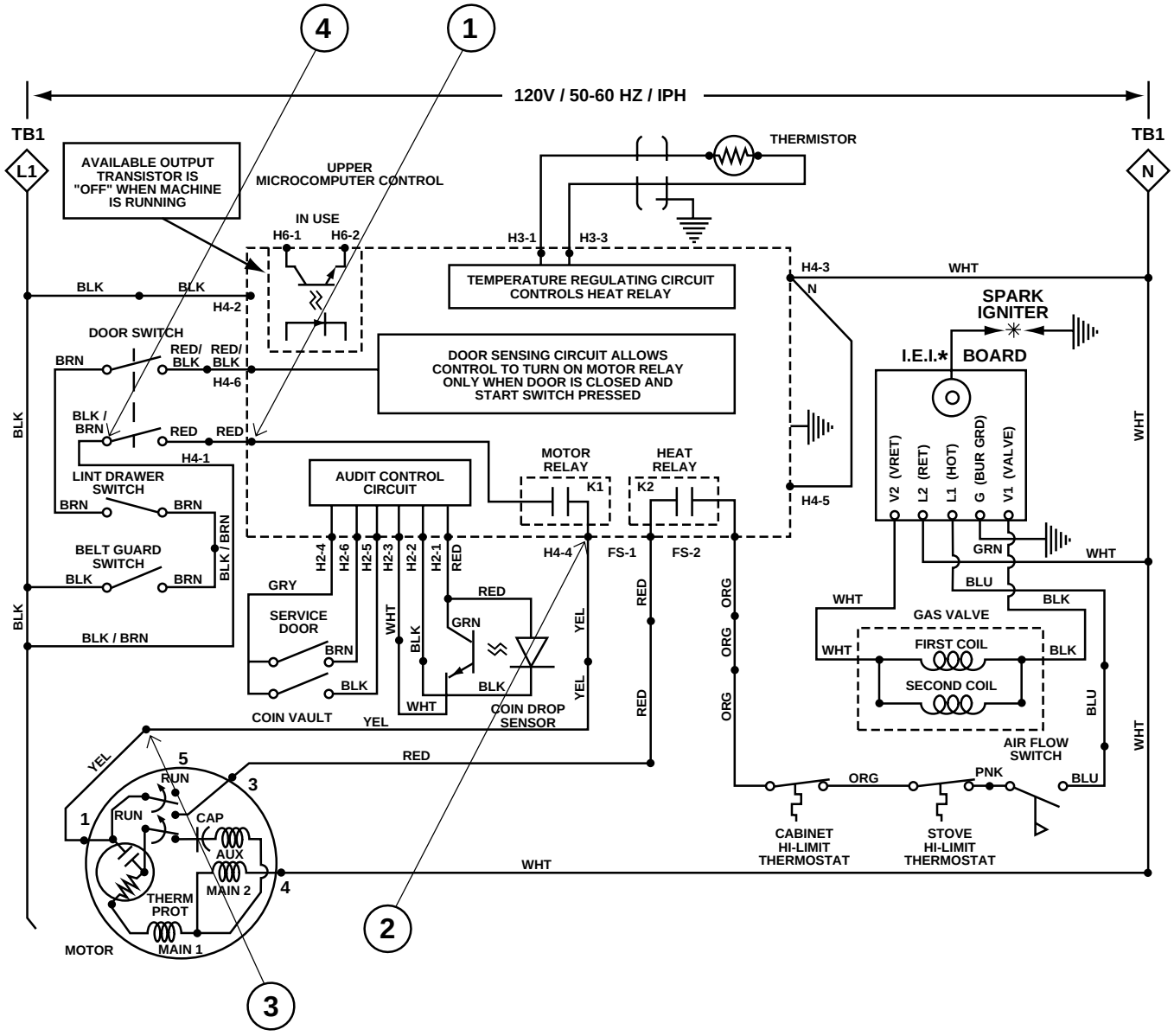


* I.E.I. = INSTANT ELECTRONIC IGNITION

T230S

NO MOTOR RUN – – "PUSH START" ANALYSIS

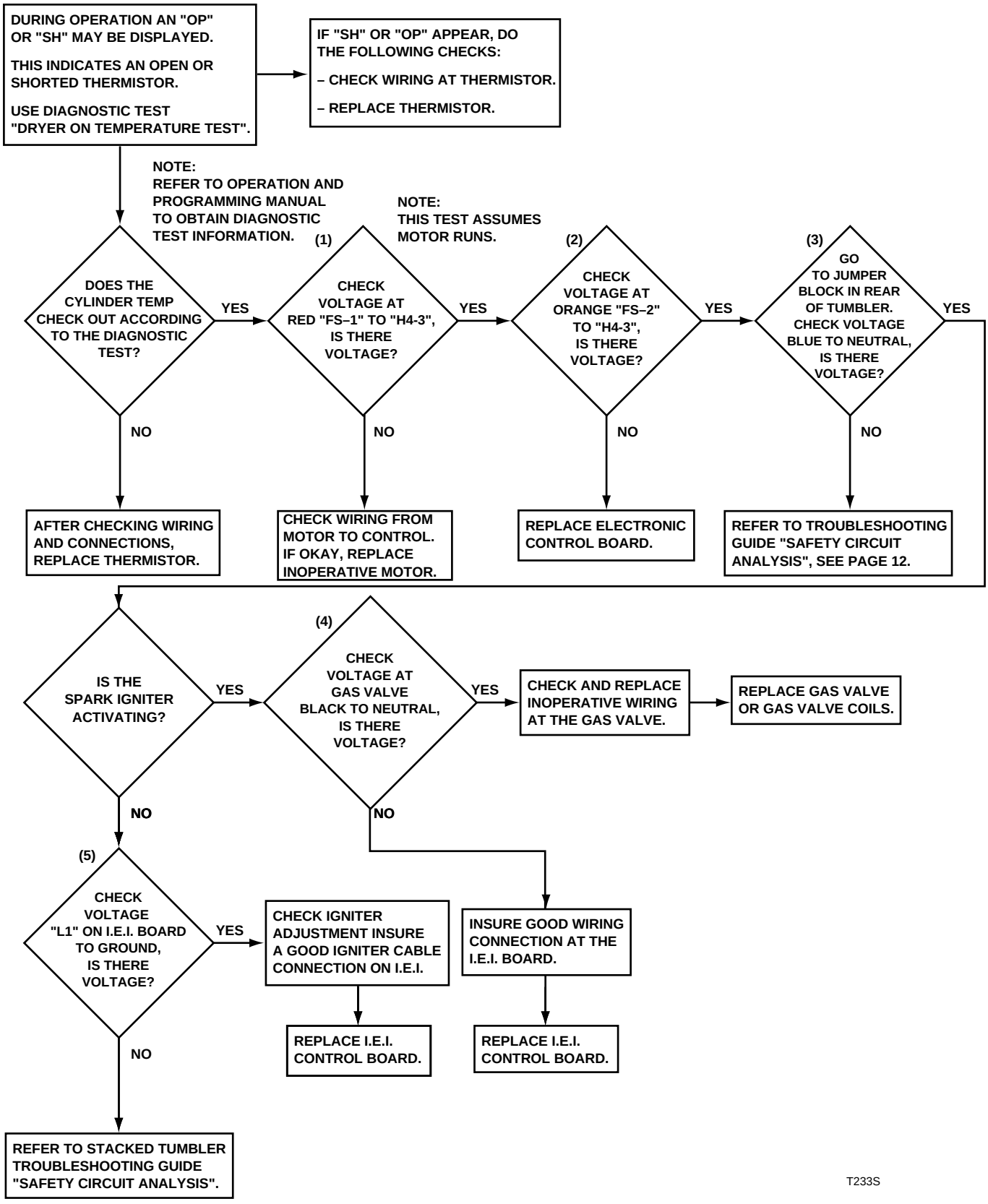


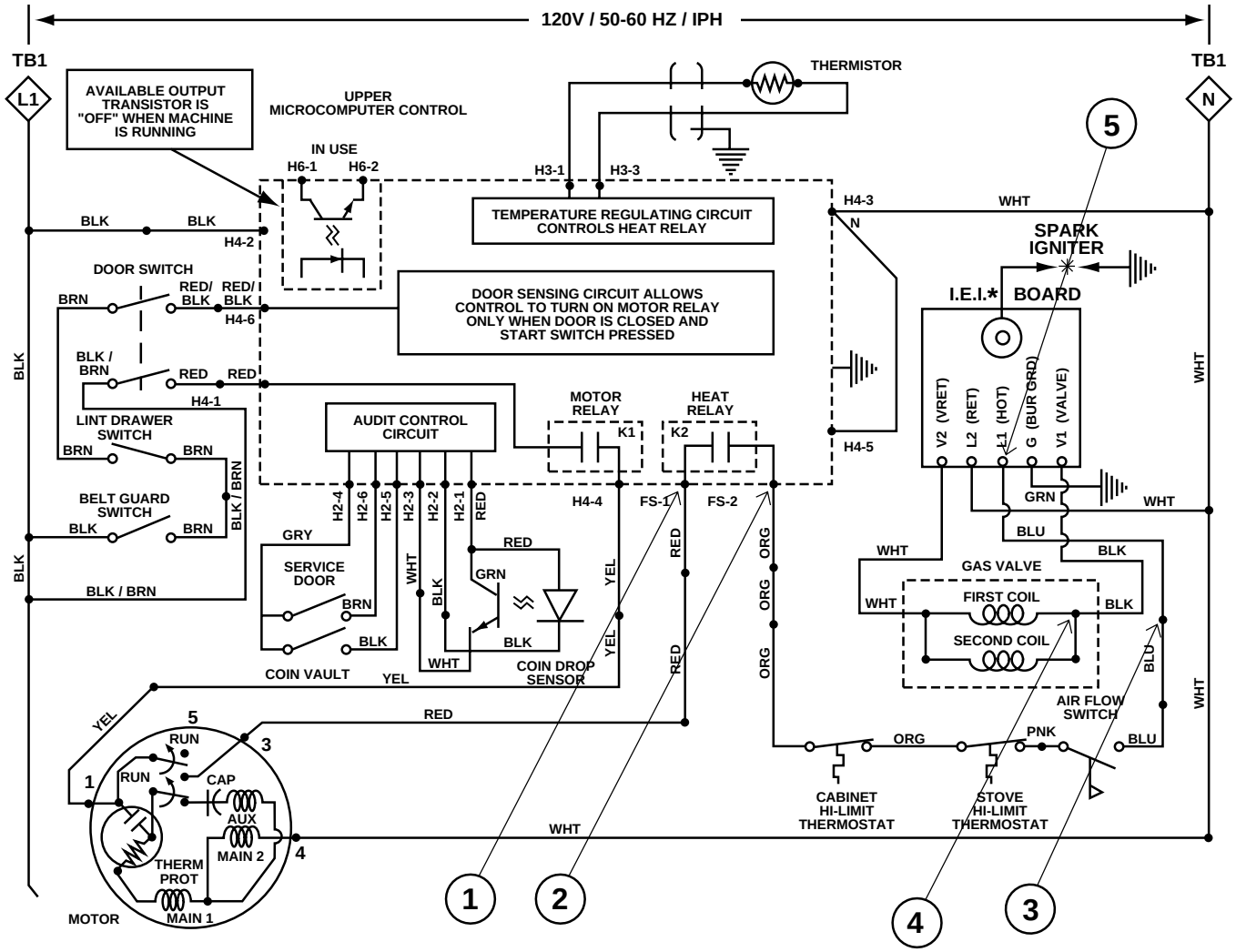


* I.E.I. = INSTANT ELECTRONIC IGNITION

T232S

NO HEAT ANALYSIS

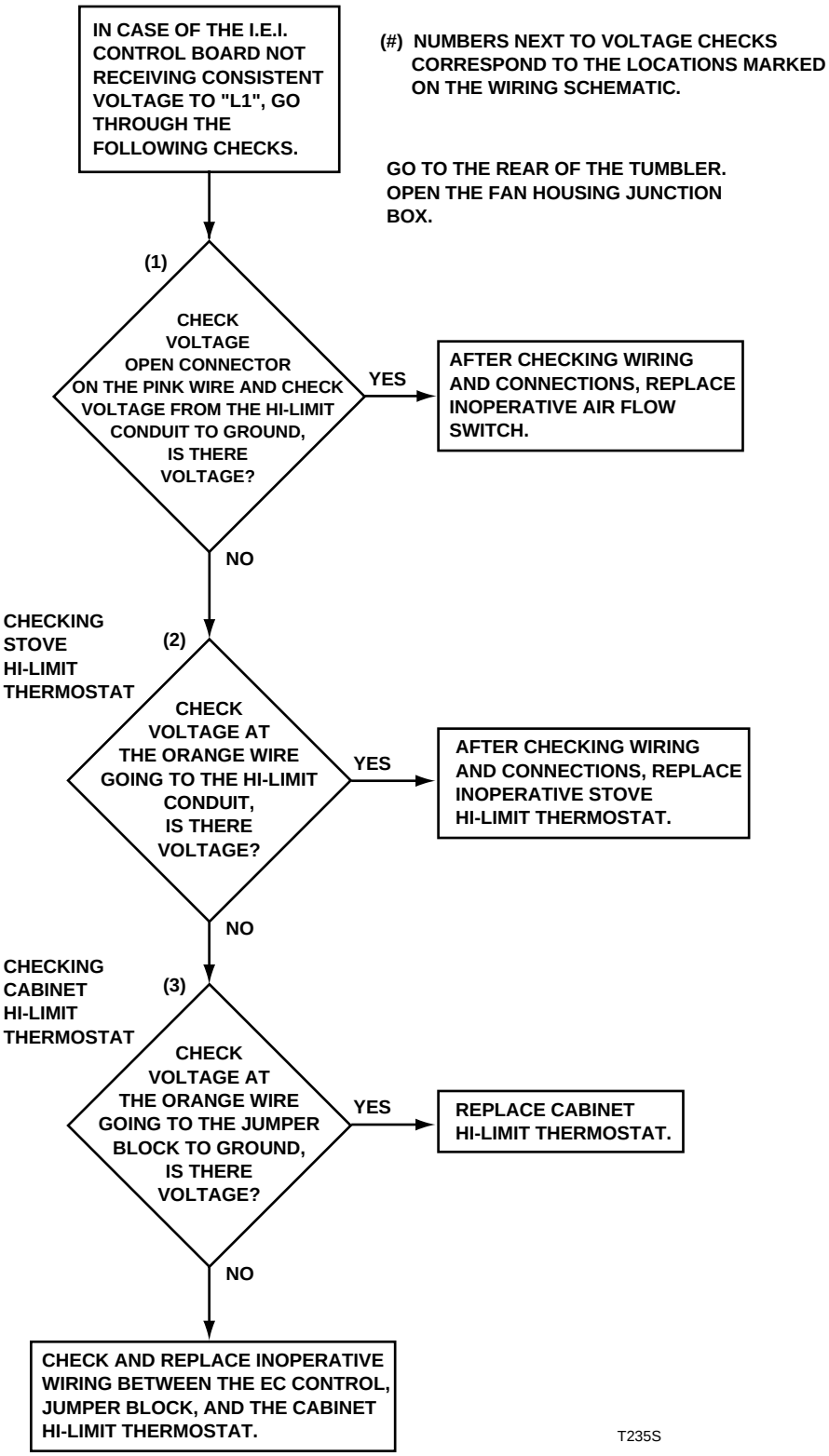


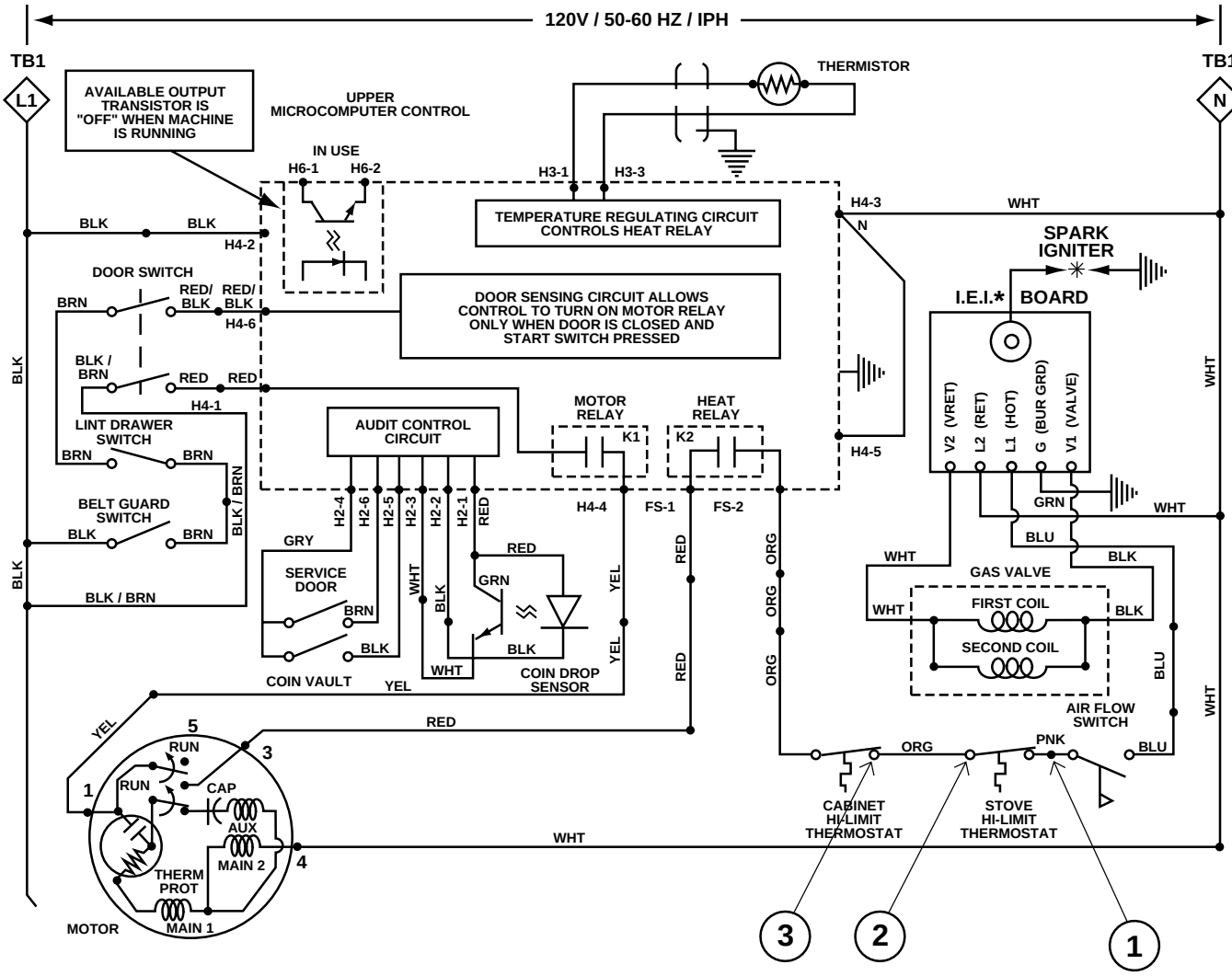


T234S

***** **I.E.I. = INSTANT ELECTRONIC IGNITION**

SAFETY CIRCUIT ANALYSIS

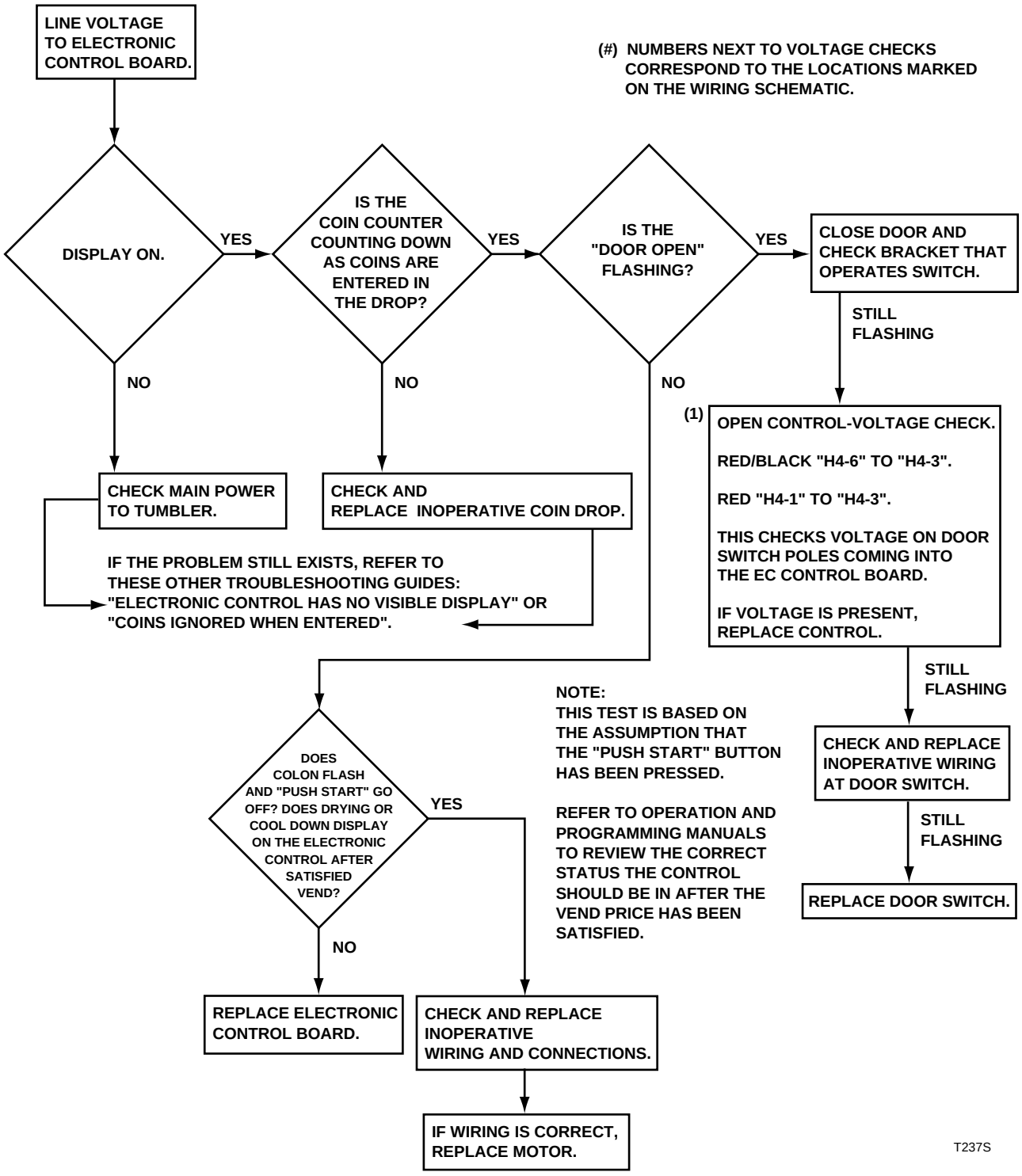


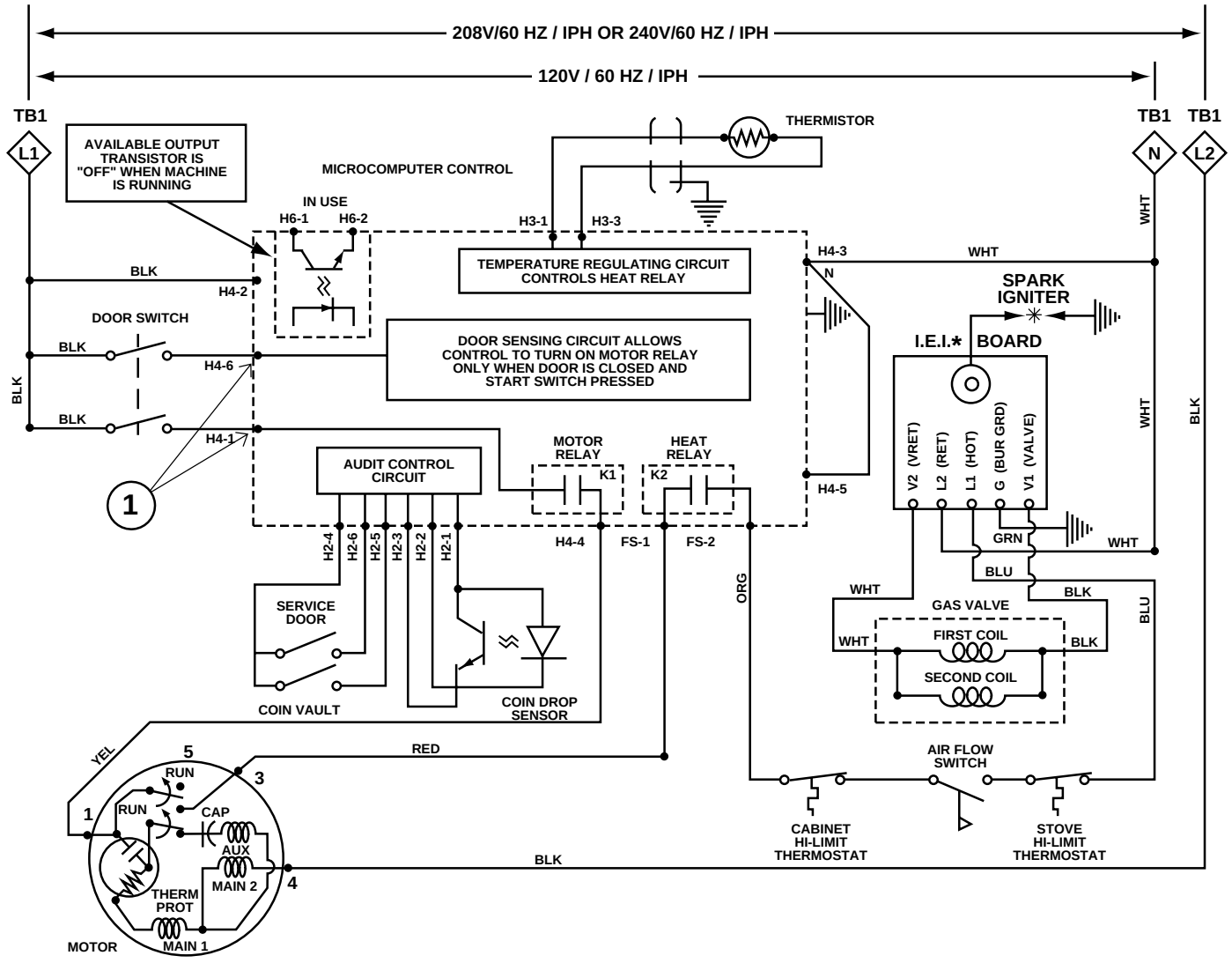


* I.E.I. = INSTANT ELECTRONIC IGNITION

T236S

NO MOTOR RUN – – "DOOR OPEN" ANALYSIS

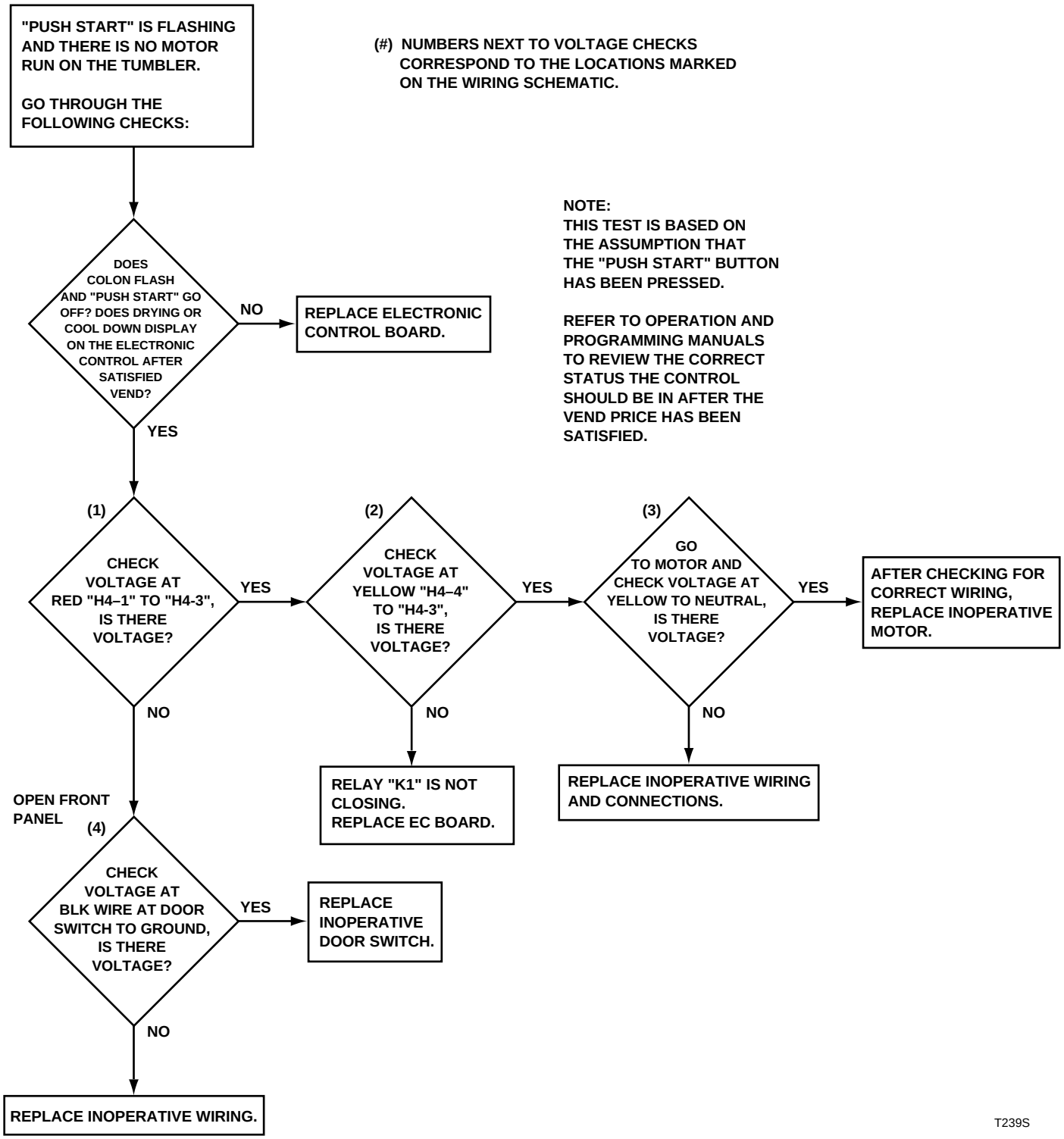


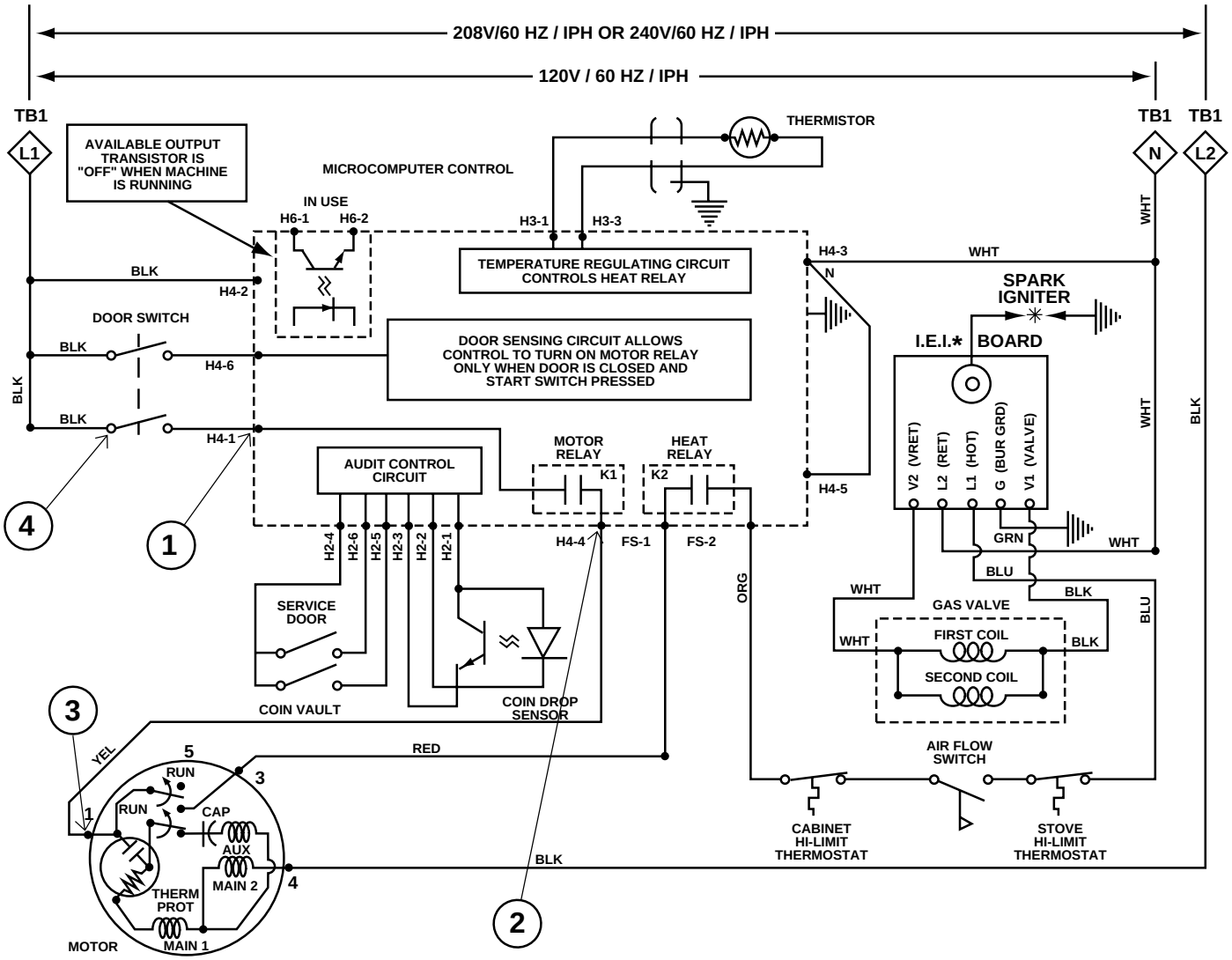


*** I.E.I. = INSTANT ELECTRONIC IGNITION**

T238S

NO MOTOR RUN – – "PUSH START" ANALYSIS

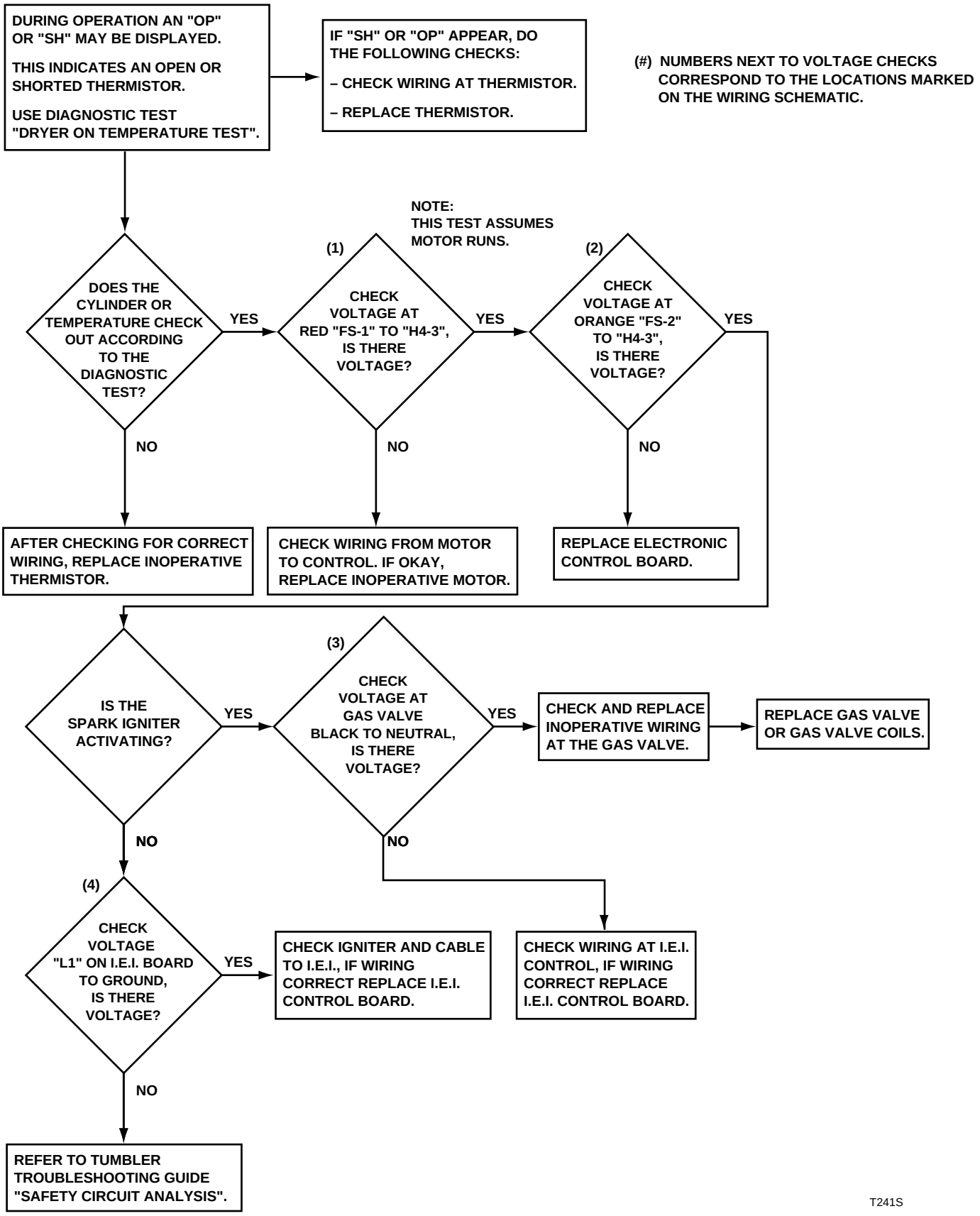


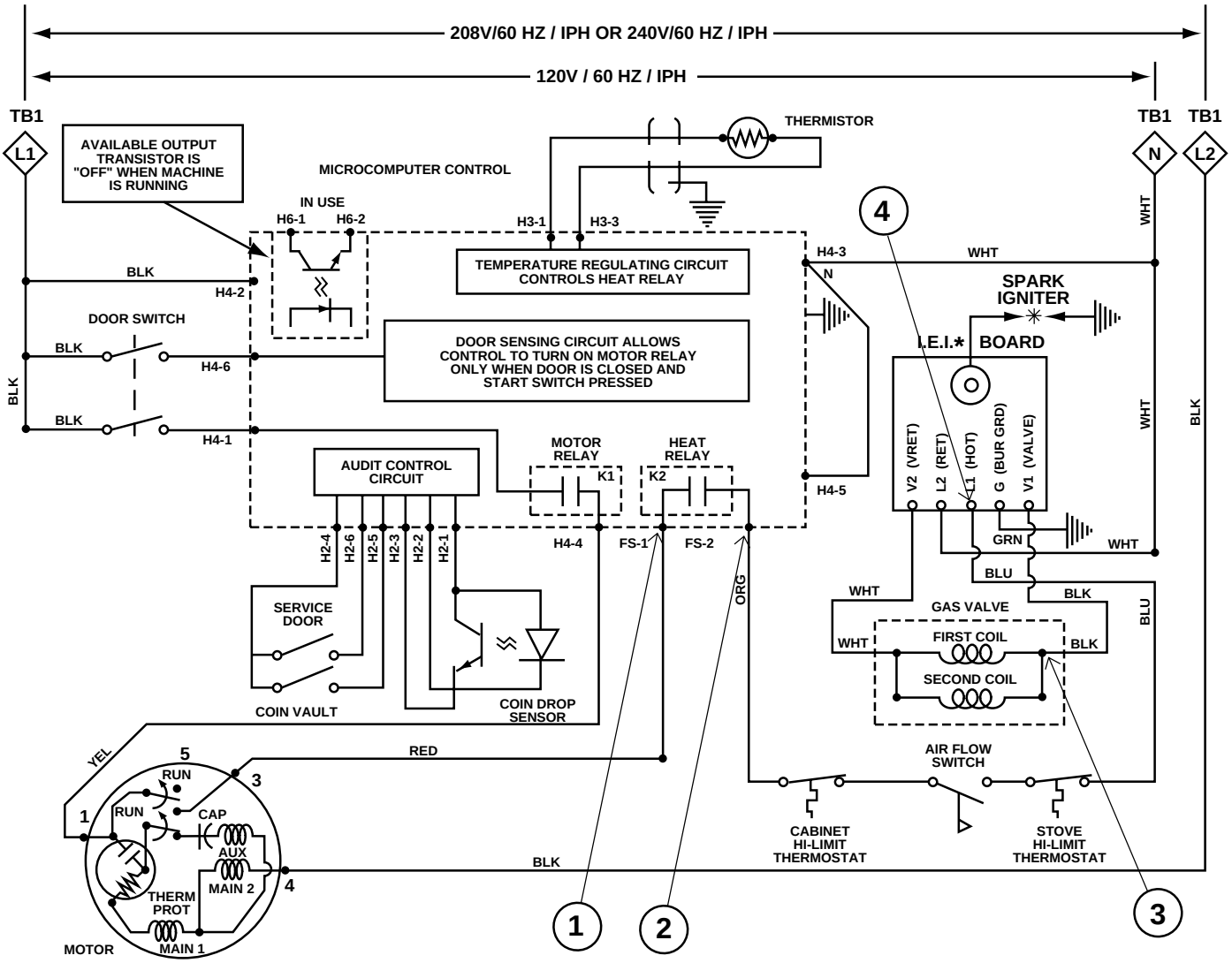


*** I.E.I. = INSTANT ELECTRONIC IGNITION**

T240S

NO HEAT ANALYSIS





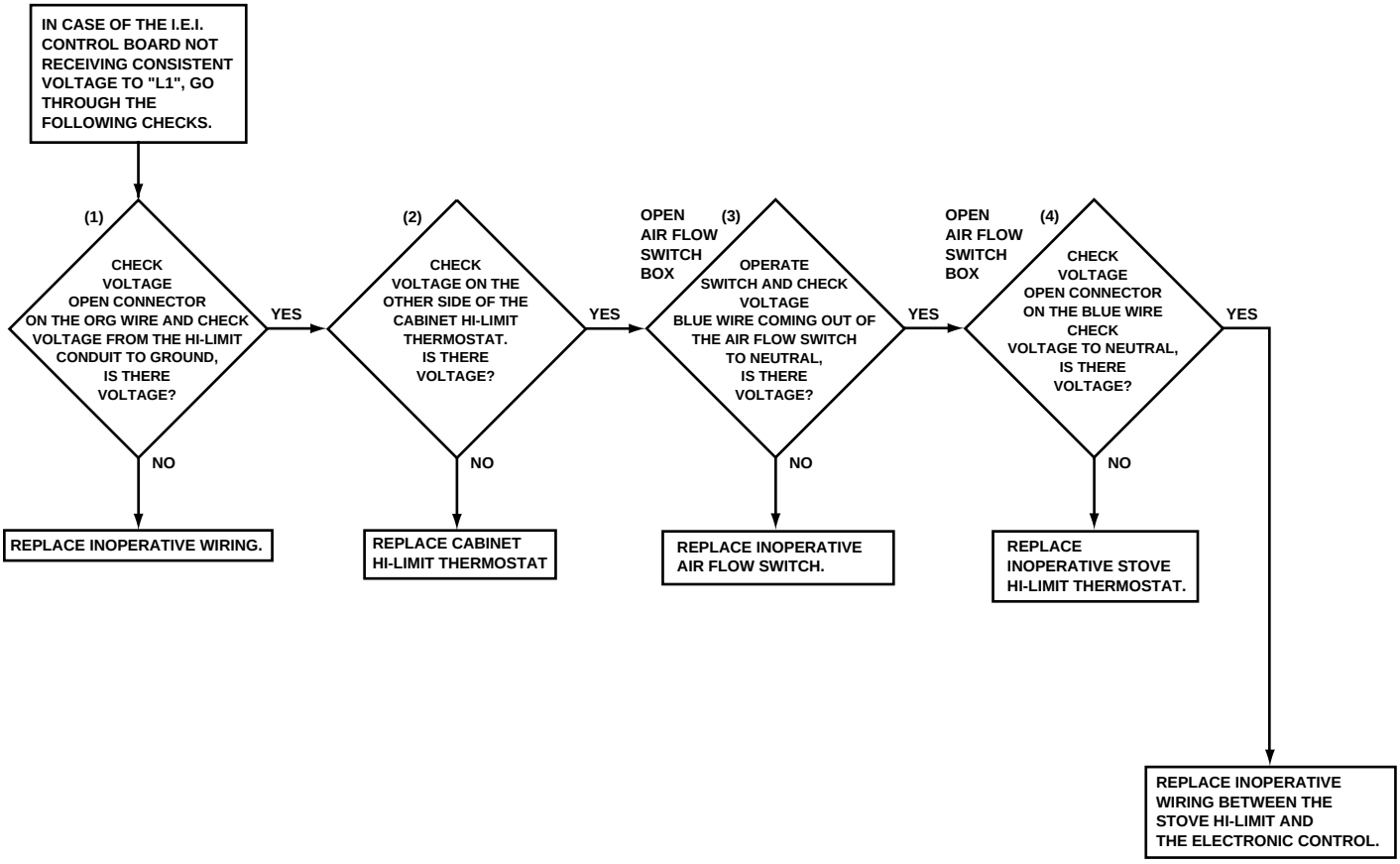
*** I.E.I. = INSTANT ELECTRONIC IGNITION**

T242S

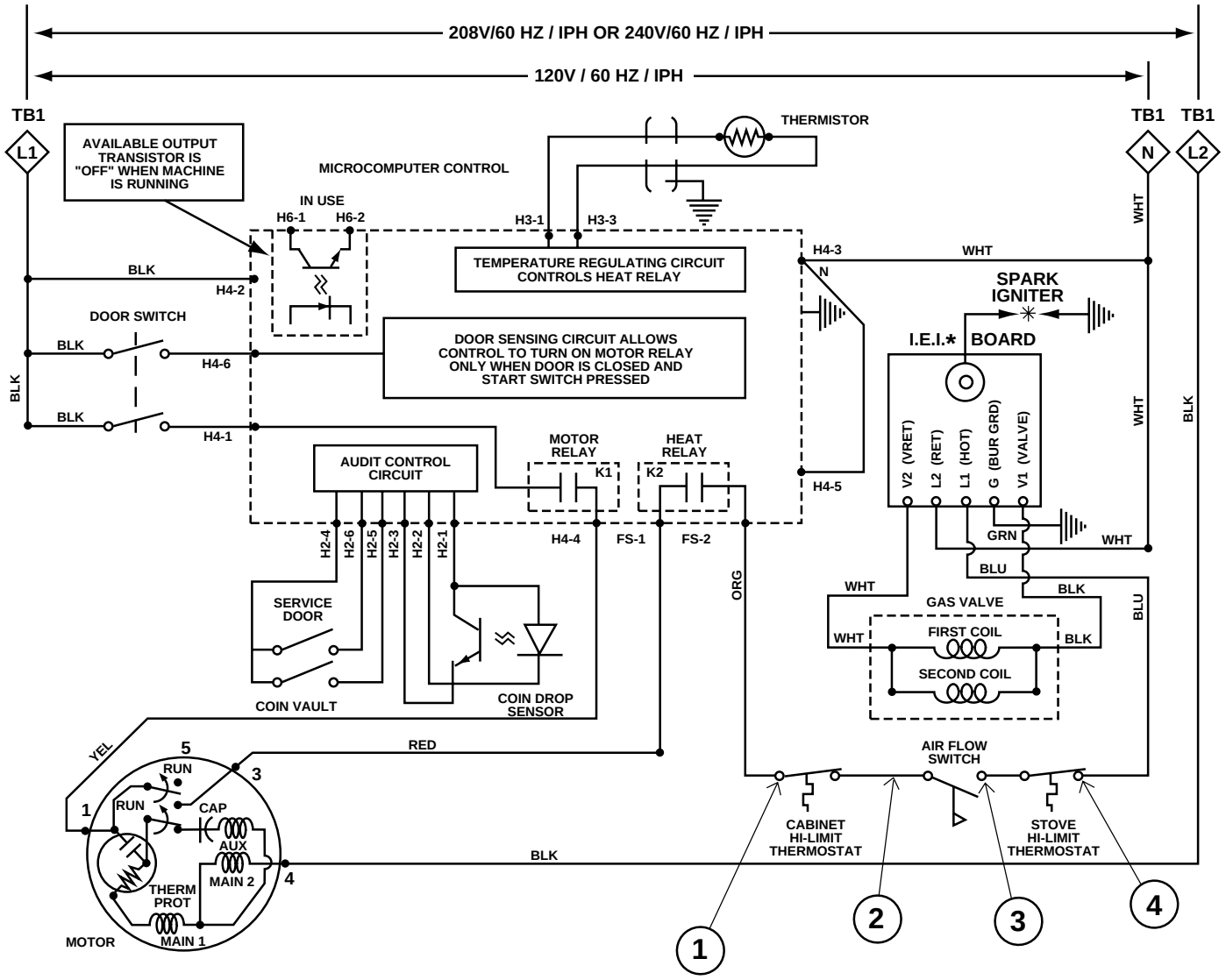
SAFETY CIRCUIT ANALYSIS

(#) NUMBERS NEXT TO VOLTAGE CHECKS CORRESPOND TO THE LOCATIONS MARKED ON THE WIRING SCHEMATIC.

GO TO THE REAR OF THE TUMBLER.
OPEN THE JUNCTION BOX.



T243S



* I.E.I. = INSTANT ELECTRONIC IGNITION

T244S