

TM 55-1520-248-23-8-1

TECHNICAL MANUAL

**APPENDIX N (MAPS)
MAINTENANCE ACTION
PRECISE SYMPTOM**

**AVIATION UNIT AND
INTERMEDIATE
MAINTENANCE MANUAL**

**ARMY MODEL
OH-58D
HELICOPTER**

This manual together with TM 55-1520-248-23-8-2 supersedes TM 55-1520-248-23-8, dated 31 March 1992 including all changes.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
4 APRIL 1994**

CHANGE

NO. 2

HEADQUARTERS
DEPARTMENTS OF THE ARMY
WASHINGTON, D.C., 28 July 1997

Aviation Unit and Intermediate
Maintenance Manual

**ARMY MODEL
OH-58D HELICOPTER**

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03918

DENNIS J. REIMER
*General, United States Army
Chief of Staff*

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CHANGE

NO. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 15 June 1997

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c and d
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DENNIS J. REIMER
*General, United States Army
Chief of Staff*

*Administrative Assistant to the
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WARNINGS, CAUTIONS, AND NOTES

Personnel performing troubleshooting procedures and practices which are included or implied in this technical manual shall observe the following warnings.

WARNING

An operating procedure, practice, etc., which if not correctly followed, could result in personal injury or loss of life.

CAUTION

An operating procedure, practice, etc., which if not strictly observed, could result in damage to or destruction of equipment.

NOTE

An operating procedure, condition, etc. which it is essential to highlight.

SAFETY STEPS ELECTRICAL SHOCK

Refer to FM 21-11 for electrical shock safety steps and procedures.

WARNING

HIGH VOLTAGE

The helicopter contains high voltage and shall be electrically grounded when parked. Serious burns and electrical shock can result from contact with exposed electrical wires or connectors.

WARNING

HIGH VOLTAGE

High voltage may be stored in the ignition system after operation of the APU. This high voltage can cause injury or death.

- Do not make contact with exposed wires or connectors.
- Allow at least five minutes after operation of the ignition system before disconnecting or removing ignition system components.
- Turn all power switches off before making any connections or disconnections.
- Observe instructions for grounding the power cable to discharge high voltage.
- For artificial respiration, refer to FM 21-11.

WARNING

PITOT HEAT

The pitot tube assembly is very hot during and immediately after operation requiring pitot heat. Severe burns will result if contacted by hands or other parts of the body.

WARNING

LUBRICATING OILS HAZARDOUS

Lubricating oils MIL-L-7808 and MIL-L-23699 contain materials hazardous to health. They can cause paralysis if swallowed. Prolonged contact with skin can cause irritation. Fire can result if exposed to heat or flames.

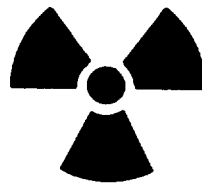
- Use only in areas with adequate ventilation.
- Wash hands thoroughly after handling.

WARNING

BATTERY ELECTROLYTE

Corrosive battery electrolyte (potassium hydroxide) requires rubber gloves, apron, and face shield when handling leaking batteries. Potassium hydroxide spilled on clothing or other material shall be washed immediately with clean water. If spilled on personnel, severe skin burns will result. Immediately start flushing the affected area with clean water and continue flushing until medical assistance arrives.

WARNING
RADIATION HAZARD



SELF-LUMINOUS DIALS

Self-luminous instrument dials contain radioactive materials.

- If glass is broken or case becomes unsealed, avoid personal contact. Injury to personnel could result.
- Forceps or gloves made of rubber or polyethylene shall be used to pick up contaminated material.

SELF-LUMINOUS DIALS (CONT)

- Place material and gloves in a plastic bag. Seal bag and dispose of it as radioactive waste in accordance with AR 755-15 and TM 3-261.
- Repair procedures shall conform to requirements in AR 700-52.

WARNING**POISONOUS LEAD OXIDE**

Poisonous lead oxide is a byproduct of fuels containing tetraethyl lead. Death or injury can result if this lead oxide is taken into the body through cuts or other external openings, or if inhaled.

- Wear rubber gloves and goggles when handling contaminated parts.
- If accidental exposure occurs, drench affected areas with large amount of clear water.
- Obtain immediate medical attention.

WARNING**TOXIC AND FLAMMABLE SOLVENTS**

Solvents used for cleaning are toxic and flammable. They irritate skin and cause burns. Fire can result from use near heat or open flame.

- Use only in a well-ventilated area.
- Wear rubber gloves.
- In case of contact, immediately flush skin or eyes with water for at least 15 minutes.
- Get immediate medical attention for eyes.

WARNING**FLIGHT SAFETY CRITICAL AIRCRAFT PARTS (FSCAP)**

This technical manual contains procedures for identifying critical characteristics of FSCAP. Critical characteristics may be identified as dimensions, tolerances, finishes, materials, assembly, or inspection procedures. Some processes may require qualified sources. FSCAP indicating a maximum allowable limit shall not be continued in use when limits have been exceeded. These parts must be replaced. It should be noted that references to the Flight Safety Parts (FSP) or Flight Safety Critical Aircraft Parts (FSCAP) are interchangeable.



To look along the axis of a laser beam without protective glasses is extremely dangerous. Serious eye injury will result. Align the laser so that personnel are unlikely to inadvertently look along the axis of its beam.

Laser firing systems may store a charge. Take care to prevent accidental pulsing of the laser and to avoid electric shock. Personal injury may result.

Reflections from the laser beam are extremely dangerous. Serious eye injury will result. It is essential that all reflective material be removed from its path.

WARNING
SOLVENT

Drycleaning solvent is flammable and toxic. It can irritate skin and cause burns.

- Use only in well-ventilated area away from heat and open flame.
- Wear rubber gloves and goggles.
- In case of contact, immediately flush skin or eyes with water for at least 15 minutes.
- Get medical attention for eyes.

WARNING
SOUND LEVEL

Sound pressure levels in this helicopter during operating conditions exceed the Surgeon General hearing conservation criteria. Hearing protection devices, such as aviator helmet or ear plugs or ear sound suppressors are required to be worn by all personnel in and around the helicopter during its operation.

WARNING
COMPRESSED AIR

Compressed air is dangerous when directed toward yourself or another person. The airstream or material blown by the airstream can cause injury, particularly to the eyes or face.

- Use goggles to protect eyes and face.
- Do not exceed 30 psig.
- Do not direct airstream toward yourself or another person.

WARNING
TOXIC AND FLAMMABLE FUELS

Turbine fuels and fuel fumes are flammable. They cause drying and irritation of skin or eyes.

- Handle only in well – ventilated areas away from heat and open flame.
- Store in approved metal safety containers.
- Avoid prolonged or repeated contact with skin.
- Do not take internally.
- Wash contacted areas of skin after handling.
- Get immediate medical attention for eyes and irritated skin.

WARNING
METHYL- ETHYL – KETONE (MEK)

MEK is flammable and toxic.

- It can irritate and cause burns.
- Use only in well – ventilated areas, away from heat or open flame.
- Wear rubber gloves and goggles.
- In case of contact, immediately flush skin or eyes with water for at least 15 minutes.
- Get medical attention for eyes.

WARNING

STRAY VOLTAGE

Stray voltages may exist in electronic equipment installed in the helicopter. These voltages present an explosive hazard to fuel and fuel fumes. Severe injury or death could result.

WARNING

MAIN AND TAIL ROTOR BLADES

Stay clear of turning main and tail rotor blades. Wind gusts, coast down or cyclic movement may cause the main rotor blade to flap down below the height of a person. Dangerous winds are created by the main rotor blades when blades are operated at or near top rpm. Adequate distance must be maintained from main and tail rotor blades during operation. Severe injury or death may result.

WARNING

ARMAMENT

Loaded weapons, or weapons being loaded or unloaded, shall be pointed in a direction which offers the least exposure to personnel or property in the event of accidental firing. Personnel should remain clear of hazardous area of all loaded weapons. Death or severe injury may result.

WARNING

HF ANTENNA

Ensure that HF antenna is not operating while performing maintenance. When operating, HF antenna emits infrared radiation that can cause radiation burns. If exposed to infrared radiation, seek medical aid immediately.

WARNING

ASBESTOS DUST

Avoid creating dust. Breathing asbestos dust may cause serious bodily harm.

**AVIATION UNIT AND INTERMEDIATE
MAINTENANCE MANUAL**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, U.S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis MO 63120-1798. A reply will be furnished to you.

		PAGE
	HOW TO USE THIS MANUAL	v
CHAPTER 1	INTRODUCTION	
Section I	General Information	1-2
Section II	Equipment Description and Data	1-4
Section III	Principles of Operation	1-16
Section IV	Servicing	1-55
Section V	Lubrication	1-91
Section VI	Ground Handling and Jacking	1-98
Section VII	Mooring	1-124
Section VIII	Hoisting and Sling Loading	1-153
Section IX	Preventive Maintenance Inspections	1-177
Section X	Overhaul and Retirement Schedule	1-207
Section XI	Flight Safety Parts	1-209
CHAPTER 2	AIRFRAME	
Section I	Fuselage	2-2
Section II	Tailboom	2-185
Section III	Pylon	2-280
CHAPTER 3	ALIGHTING GEAR	
SECTION I	Landing Gear	3-2
CHAPTER 4	POWER PLANT	
Section I	Power Plant	4-2
Section II	Air Induction	4-47
Section III	Exhaust System	4-63
Section IV	Engine Oil System	4-68
Section V	Ignition System	4-98.5
Section VI	Power Plant Controls	4-99

CHAPTER 4	POWER PLANT (Cont)	
Section VII	Engine Mounts	4-135
Section VIII	Forward Firewall	4-177
Section IX	Aft Firewall	4-191
CHAPTER 5	ROTORS	
Section I	Main Rotor Hub and Blade Assembly	5-2
Section II	Main Rotor Rotating Controls	5-158
Section III	Main Rotor Tracking and Dynamic Balancing	5-302
Section IV	Tail Rotor Hub and Blades	5-336
Section V	Tail Rotor Pitch Change Mechanism	5-407
Section VI	Tail Rotor Balancing	5-470
CHAPTER 6	DRIVE TRAIN SYSTEM	
Section I	Troubleshooting	6-2
Section II	Engine to Transmission Driveshaft	6-19
Section III	Transmission	6-28
Section IV	Standpipe Electrical Assembly, Torquemeter System, and Main Rotor Mast Assembly	6-81
Section V	Freewheeling Unit	6-167
Section VI	Tail Rotor Driveshaft	6-218
Section VII	Tail Rotor Gearbox	6-290
Section VIII	Oil System	6-314
CHAPTER 7	HYDRAULIC SYSTEM	
Section I	Operational Check and Troubleshooting.....	7-2
Section II	Hydraulic System Bleeding.....	7-11
Section III	Hydraulic Filter Assemblies.....	7-14
Section IV	Hydraulic Hoses, Lines, Fittings and Quick-Disconnects	7-22
Section V	Pressure Switch, Manifolds and Relief Valve	7-34
Section VI	Hydraulic Solenoid Valve	7-46
Section VII	Hydraulic Reservoir	7-57
Section VIII	Hydraulic Pump	7-73
Section IX	Actuators	7-87
CHAPTER 8	INSTRUMENT SYSTEMS	
Section I	Engine, Rotor and Transmission Instruments	8-2
Section II	Flight Instruments	8-37
Section III	Pitot-Static Instrument and Air Data Systems	8-55
Section IV	Navigation Instruments	8-87
Section V	Miscellaneous instruments	8-88

CHAPTER 11	FLIGHT CONTROLS	
Section I	Flight Controls Troubleshooting	11-2
Section II	Rigging	11-2.1
Section III	Collective Controls	11-31
Section IV	Cyclic Control System	11-182
Section V	Directional Controls	11-392.11
Section VI	Component Inspection	11-486
CHAPTER 12	UTILITY SYSTEM (Not Applicable).	12-1
CHAPTER 13	ENVIRONMENTAL CONTROL SYSTEM	
Section I	Heating System	13-2
Section II	Ventilating System	13-30
CHAPTER 14	HOIST AND WINCHES (Not Applicable)	14-1
CHAPTER 15	AUXILIARY POWER PLANTS (Not Applicable)	15-1
CHAPTER 16	MISSION EQUIPMENT	16-1
Section I	Armament Operational Checks	16-2
Section II	Armament Maintenance Procedures.	16-109
Section III	Boresight Procedures	16-230
CHAPTER 17	EMERGENCY EQUIPMENT	
Section I	Fire Extinguisher and First Aid Kit	17-2
CHAPTER 18	INSTALLED AVIONICS EQUIPMENT (Not Applicable)	18-1
APPENDIX A	REFERENCES.	A-1
APPENDIX B	MAINTENANCE ALLOCATION CHART (MAC)	B-1
APPENDIX C	HELICOPTER INVENTORY MASTER GUIDE	C-1
APPENDIX C.1	HELICOPTER INVENTORY MASTER GUIDE (R)	C.1-1
APPENDIX D	EXPENDABLE SUPPLIES AND MATERIALS LIST	D-1
APPENDIX E	STORAGE OF HELICOPTER	E-1
Section I	General Information	E-1
Section II	Flyable Storage.	E-4
Section III	Short Term Storage	E-7
Section IV	Intermediate Storage	E-16
APPENDIX F	WIRING DIAGRAMS	F-1
APPENDIX F.1	WIRING DIAGRAMS DATA (R)	F.1-1
APPENDIX G	WEIGHT AND BALANCE	G-1
Section I	General Information	G-1
Section II	Instructions for Use of Forms and Charts	G-2
Section I II	Weighing Instructions	G-14

APPENDIX H	ILLUSTRATED LIST OF MANUFACTURED ITEMS (AVUM) (AVIM)	H-1
APPENDIX J	FAULT DETECTION LOCATION SYSTEM (FDLS) FAILURE CODES	J-1
APPENDIX J.1	FAULT DETECTION LOCATION SYSTEM (FDLS) FAILURE CODES FOR OH58D (R)	J.1-1
APPENDIX K	OH-58D MAINTENANCE ACTION PRECISE SYMPTOM (MAPS)	K-1
Section I	Drive Train System (Chapter 6)	K-1
Section II	Hydraulic System (Chapter 7)	K-17
Section III	Instrument Systems (Chapter 8).	K-22
Section IV	Electrical System (Chapter 9)	K-57
Section V	Fuel System (Chapter 10).	K-766
Section VI	Flight Controls (Chapter 11)	K-773
APPENDIX L	BATTERY TESTING AND SERVICING (Not Applicable)	L-1
APPENDIX M	SPECIAL PROCEDURES	M-1
Section I	Introduction	M-1
Section II	Equipment Requirements	M-2
Section III	Resistance Requirements	M-2
Section IV	Procedures	M-2
Section V	Test	M-29
APPENDIX N	OH-58D (I/R) MAINTENANCE ACTION PRECISE SYMPTOM (MAPS)	N-1
Section I	Drive Train System (Chapter 6)	N-1
Section II	Hydraulic System (Chapter 7)	N-17
Section III	Instrument Systems (Chapter 8).	N-22
Section IV	Electrical System (Chapter 9)	N-57
Section V	Fuel System (Chapter 10).	N-766
Section VI	Flight Controls (Chapter 11)	N-773
Section VII	Armament (Chapter 16)	N-781
APPENDIX P	STANDARD TORQUE VALUES	P-1
APPENDIX Q	CORROSION CONTROL	Q-1
Section I	Introduction	Q-1
Section II	Inspectron and Corrosion Prone Areas	Q-1
Section III	Preventive Maintenance	Q-2
Section IV	Processes and Equipment Requirements	Q-3
Section V	Corrosion Prone Areas	Q-3
APPENDIX R	OH-58D (SPECIAL MISSION) HELICOPTERS	R-1
Section I	Maintenance Procedures	R-1
Section II	Wiring Diagrams	R-129
GLOSSARY	Glossary 1
INDEX	ALPHABETICAL	Index 1
FOLDOUTS	FP-1

HOW TO USE THIS MANUAL

1. GENERAL.

In order to do the job right, you must be able to find the information you need. Knowing how to use this manual is very important. You should know what the manual consists of, how it is put together, and how to use it.

2. ORGANIZATION.

a. The entire manual is made up of a set of CHAPTERS. They are numbered in Arabic numerals (1, 2, 3, 4, etc.).

b. Each chapter contains information on major helicopter systems.

c. Chapters are divided into SECTIONS. Sections are numbered in Roman numerals (I, II, III, IV, etc.).

d. Each section has information you need for doing any job.

3. PARAGRAPHS.

a. Paragraphs are individually numbered by chapter and sequence. Illustrations are provided to make things clearer. Illustrations and index callouts apply to the text located on the same page as the illustration.

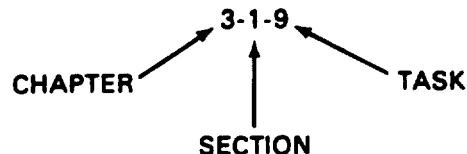
b. Paragraph numbers are assigned to each major information subject.

c. The task title (task name) is also at the top of the page.

4. NUMBERING.

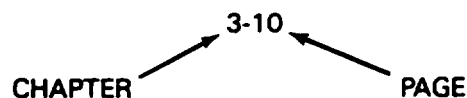
a. Paragraphs are numbered in two parts. The first number is the CHAPTER. The second number is the PARAGRAPH number in that chapter. Each number is separated by a dash.

b. Tasks are numbered in three parts. The first number is the CHAPTER. The second number is the SECTION, and the third is the TASK number in that section. Each number is separated by a dash as shown in the example.



5. PAGE NUMBERING.

All page numbering is by chapters. Section numerals are not included in page numbers. The first number is the number of the chapter; the second number is the number of the page in that chapter. The numbers are separated by a dash as shown in the example.



6. ALPHABETICAL INDEX.

a. The Alphabetical Index lists all the subjects of the manual in alphabetical order. If you know what you are looking for, it will be listed under the first letter of the first word in the title. For example: If you need information on the Tail Rotor Gearbox, look under "T", "R", or "G" in the Index.

b. The Alphabetical Index gives you the page number that has the information you need.

7. APPENDIXES.

a. Appendixes A through J are included in this manual to provide supplementary information required for maintenance. Each appendix contains specific instructions for its use.

b. Section III of Appendix B — Maintenance Allocation Chart — contains a list of the special tools and ground support equipment required for the OH-58D helicopter. The TOOL OR TEST EQUIPMENT REFERENCE CODE COLUMN has a number for each item on the list. This number appears as (B124) for example in identifying the particular tool or GSE in the setup table of the applicable task. Also, this number appears where applicable in Section II of Appendix B.

c. Appendix D — Expendable Supplies and Materials — contains a list of the adhesives, chemicals, etc., required to maintain the helicopter. The ITEM NUMBER column has a number for each item on the list. This number appears as (D4), for example, in identifying lockwire in the setup table of the applicable task. Also, this number appears as (D4) within the steps of the task.

8. GLOSSARY.

a. Many words have more than one meaning. A word that has a certain meaning in every day language may have a different meaning when used for the helicopter. This is the reason for the Glossary. If you see a word in the manual and you are not sure of the meaning, check the Glossary.

b. The Glossary also has a List of Abbreviations as they are used in this manual. It is always good

practice to look over the list. Make sure you know what each abbreviation stands for.

9. INITIAL SETUP (EXAMPLE NEXT PAGE).

The first page of each maintenance procedure in the manual is the Initial Setup. Always check the Initial Setup before starting a task on the helicopter. The Initial Setup contains information you must know. DON'T START A TASK UNTIL:

- a. You understand the task.
- b. You understand what you are to do.
- c. You know what is needed to do the work.

NOTE

A task requiring a pilot/maintenance test pilot to perform a MOC/MTF may not necessarily list either in the Initial Setup or Follow-on Maintenance. These requirements may be covered in other referenced tasks under Follow-on Maintenance.

- d. You have the things you need.

11-X-X. RIG CYCLIC CONTROLS

This task covers: Rigging (On Helicopter)

INITIAL SETUP**Applicable Configurations:**

All

Tools:

Aircraft Mechanic Tool Kit
Rigging Bolt (B66)
Torque Wrench, 30-150 Inch-Pounds
Spring Scales 0-10 pounds.

Parts:

Cotter Pin (8)
Nut

Personnel Required:

66S Scout Helicopter Technical Inspector
67S Scout Helicopter Repairer
Maintenance Test Pilot

References:

TM 55-1520-248-MTF

Equipment Condition:

Forward Fairing Removed (Task 2-1-21)
Collective Controls Rigged (Task 11-2-1)
CPO Collective Stick Removed (Task 11-3-171)
Crew Seats and Floor Panels Removed (Task 2-1-18)

General Safety Instructions:

WARNING

Ensure that no one operates control from inside of helicopter during rigging of cyclic control system. Physical injury can occur. If injury occurs, seek medical aid.

Do not drop tools in center post (vertical tunnel). Tools can jam or damage controls. Loss of controls can result in helicopter crash and loss of lives.

APPENDIX N

OH-58D(I/R) MAINTENANCE ACTION PRECISE SYMPTOM (MAPS)

- Due to the quantity of material Appendix N has been volumized.
- Refer to Appendix K for OH-58D Maintenance Action Precise Symptom (MAPS).
- Sections V through IX of Appendix N are located in TM 55-1520-248-23-8-2.

Following Sections Found in Volume 1

Section I	Drive Train System (Chapter 6)	N-1
Section II	Hydraulic System (Chapter 7)	N-17
Section III	Instrument Systems (Chapter 8)	N-22
Section IV	Electrical System (Chapter 9)	N-57

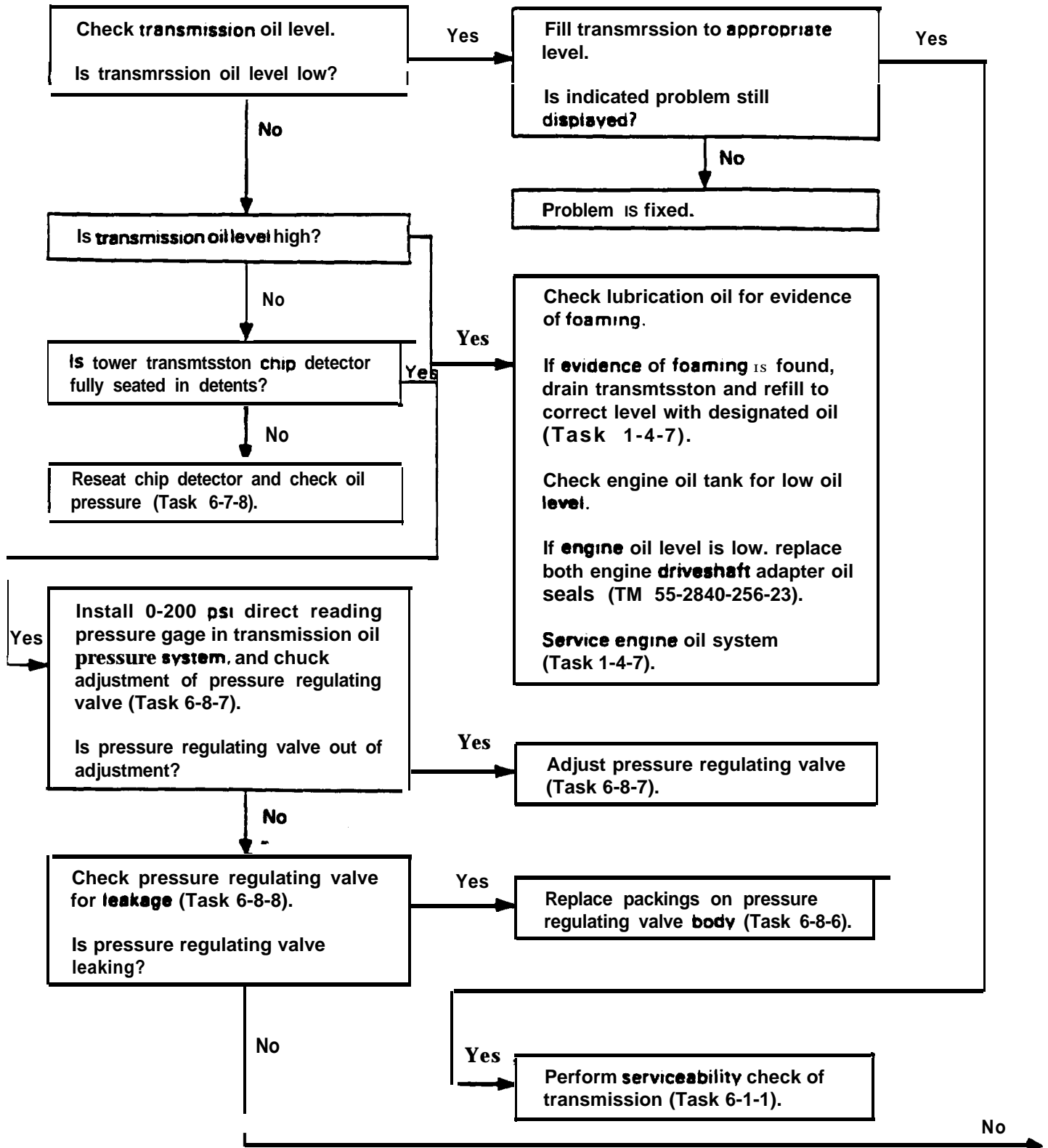
Following Sections Found in Volume 2

Section V	Fuel System (Chapter 10)	N-766
Section VI	Flight Controls (Chapter 11)	N-773
Section VII	Hoists and Winches (Chapter 14)	N-780.1
Section VIII	Armament Systems (Chapter 16)	N-780.4
Section IX	Troubleshooting OH-58D (R) Helicopters	N-943

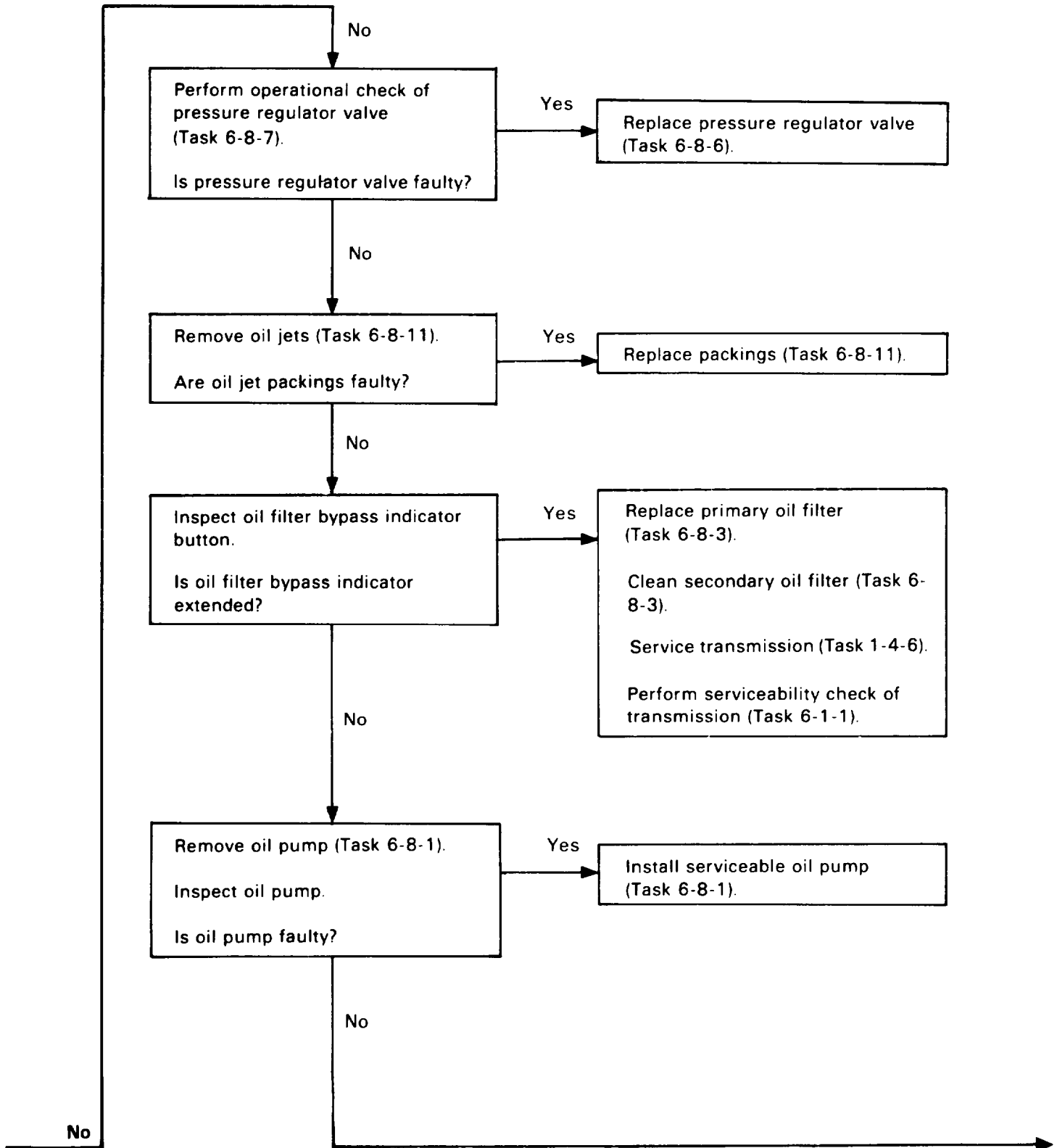
Section 1. DRIVE TRAIN SYSTEM (CHAPTER 6)

MAPS NUMBER	SYMPTOM	PAGE NUMBER
1.	Transmission oil pressure on TRANS OIL PSI x 10 (MPD) reads low and TRANSMISSION OIL PRESS caution message appears on MFD	N-2
2.	Transfer of oil between engine and transmission systems	N-5
3.	CHIPS XMSN SUMP caution message MFD	N-6
4.	Rubber particles found during inspection of filter	N-7
5.	CHIPS FREEWHEELING UNIT caution message on MFD	N-8
6.	High frequency vibration	N-9
7.	Abnormal fretting and/or wear of flexframes at bolted- joints	N-11
8.	Vibration in tail rotor driveshaft	N-12
9.	Loss grease from hanger bearing(s)	N-14
10.	CHIPS XMSN MAST BEARING caution message on MFD	N-15
11.	CHIPS TAIL ROTOR GEARBOX caution message on MFD	N-16

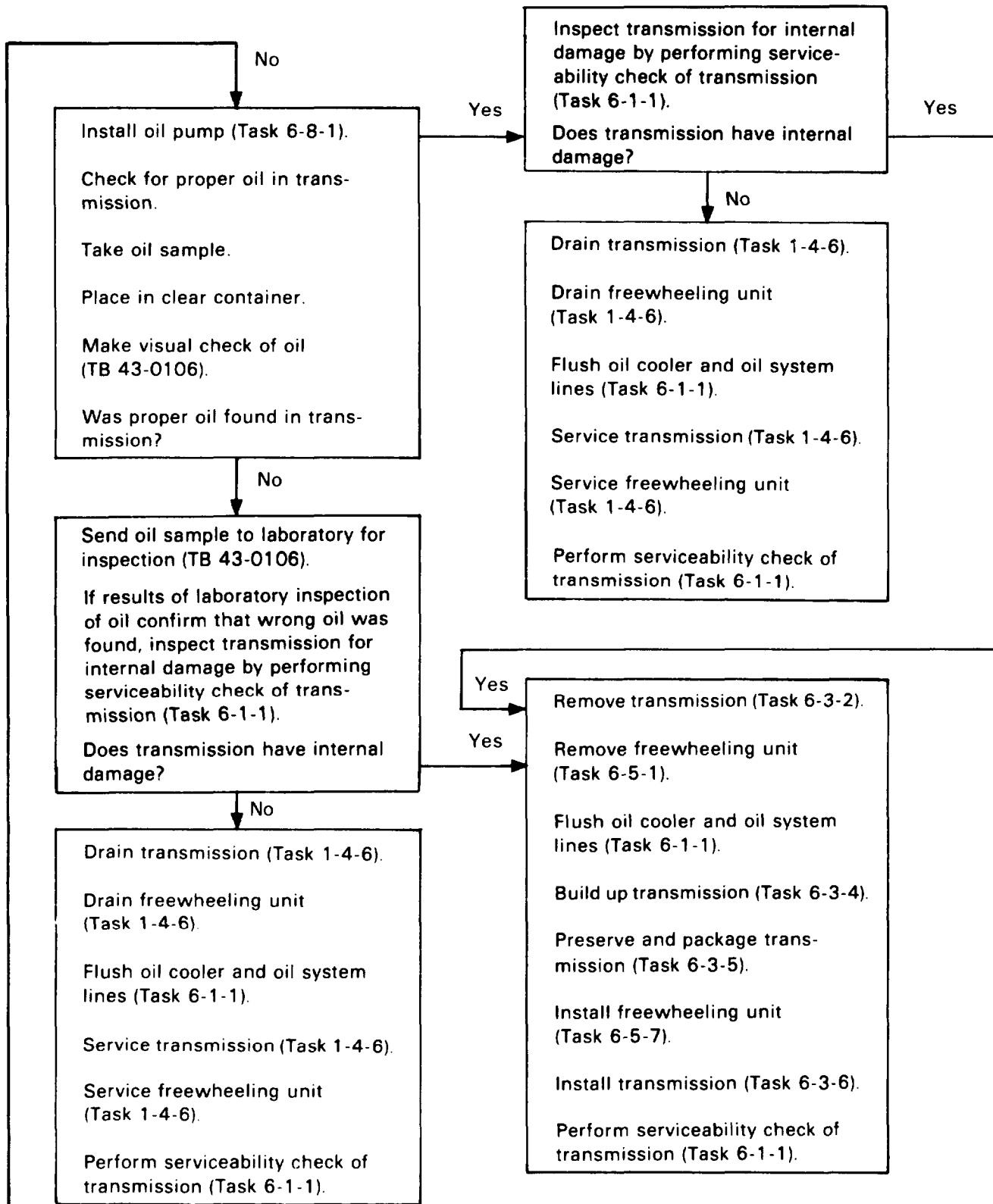
TRANSMISSION OIL PRESSURE ON TRANS OIL PSI X 10 (MPD) READS LOW AND TRANSMISSION OIL PRESS CAUTION MESSAGE APPEARS ON MFD



1. TRANSMISSION OIL PRESSURE ON TRANS OIL PSI X 10 (MPD) READS LOW AND TRANSMISSION OIL PRESS CAUTION MESSAGE APPEARS ON MFD (CONT)



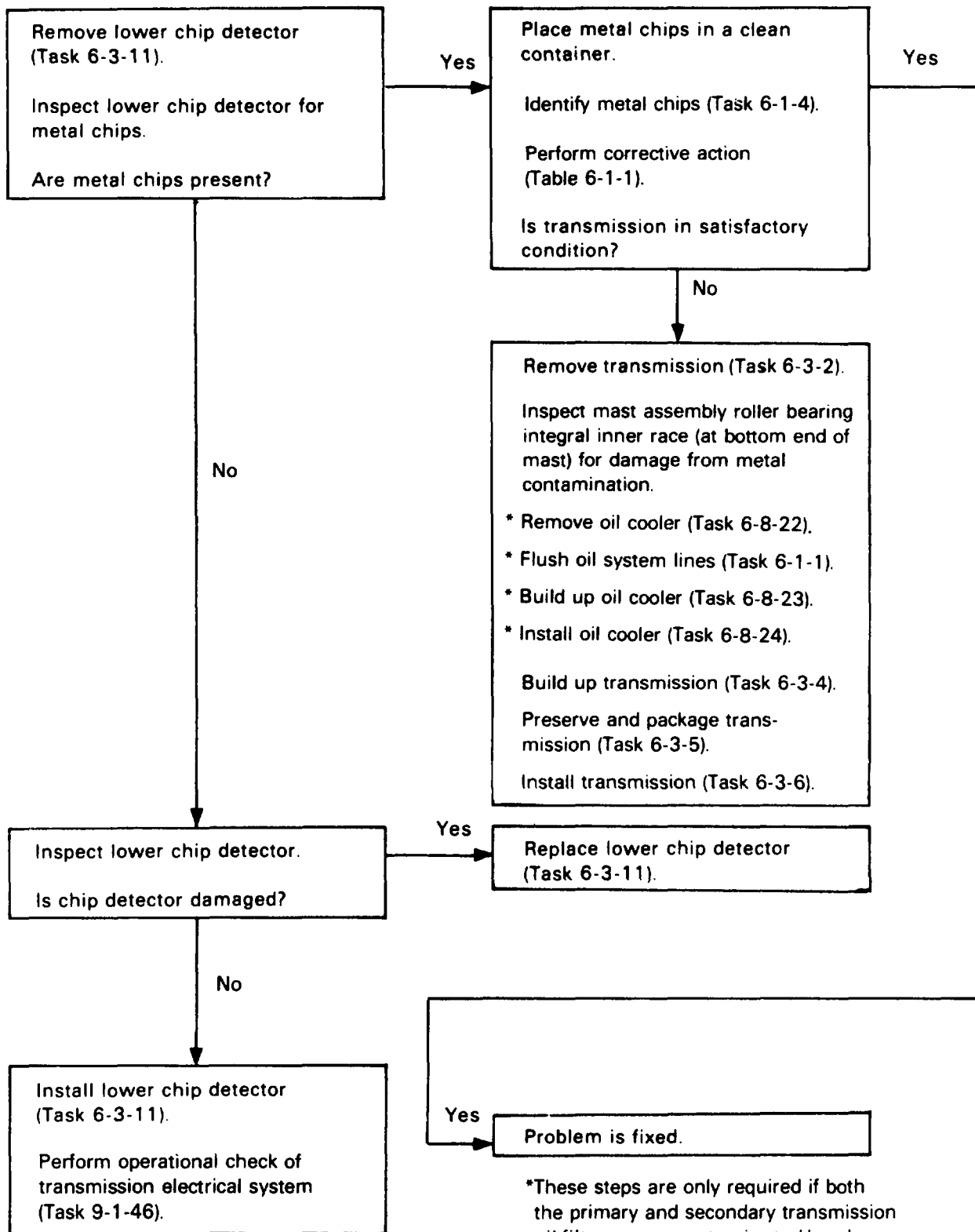
1. TRANSMISSION OIL PRESSURE ON TRANS OIL PSI X 10 (MPD) READS LOW AND TRANSMISSION OIL PRESS CAUTION MESSAGE APPEARS ON MFD (CONT)



2. TRANSFER OF OIL BETWEEN ENGINE AND TRANSMISSION SYSTEMS

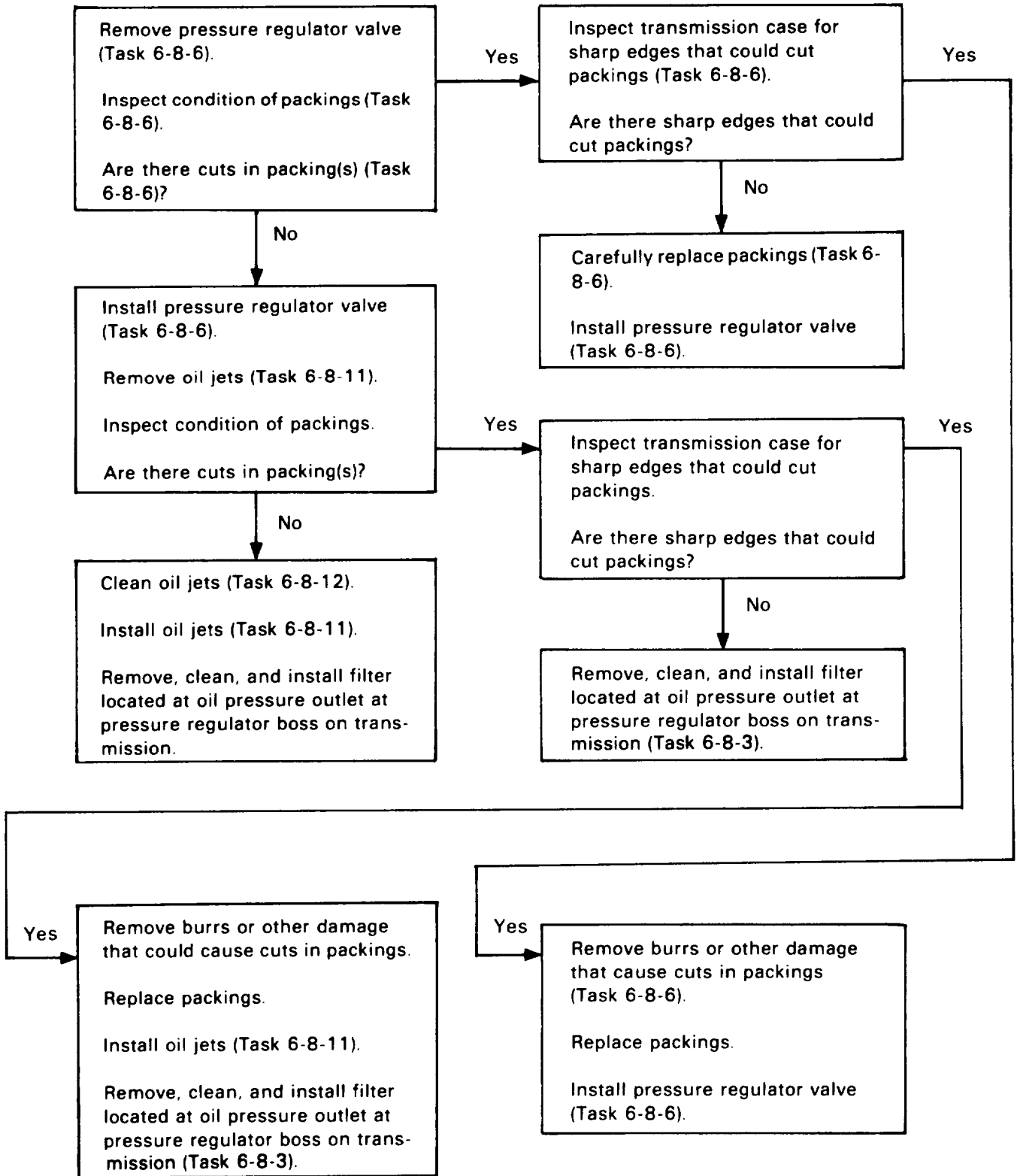
Replace double lip seal at forward and aft end of engine power output shaft (Task 4-1-8.1)

3. CHIPS XMSN SUMP CAUTION MESSAGE ON MFD

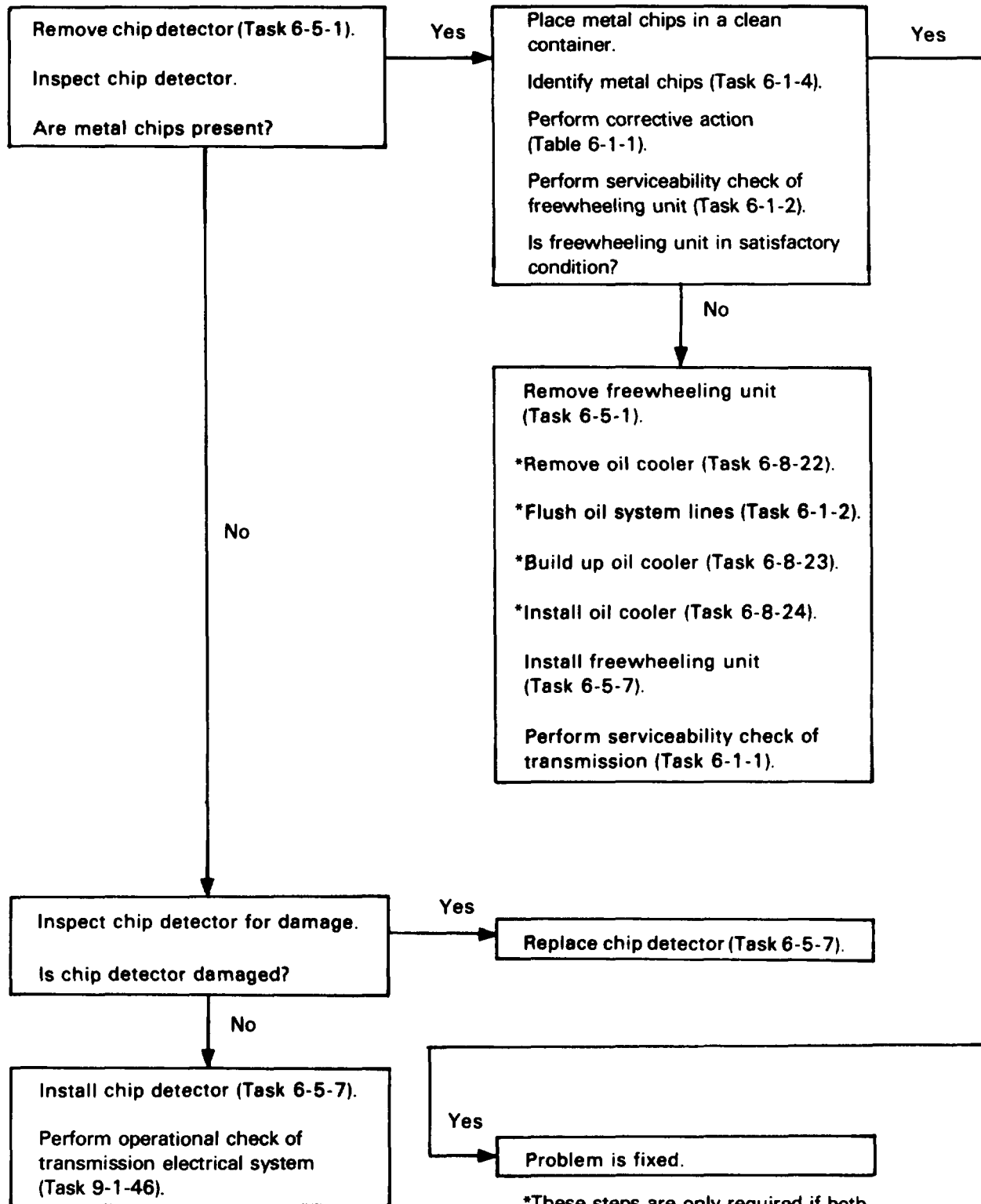


*These steps are only required if both the primary and secondary transmission oil filters were contaminated by a large quantity of foreign material. (Task 6-1-4).

4. RUBBER PARTICLES FOUND DURING INSPECTION OF FILTER

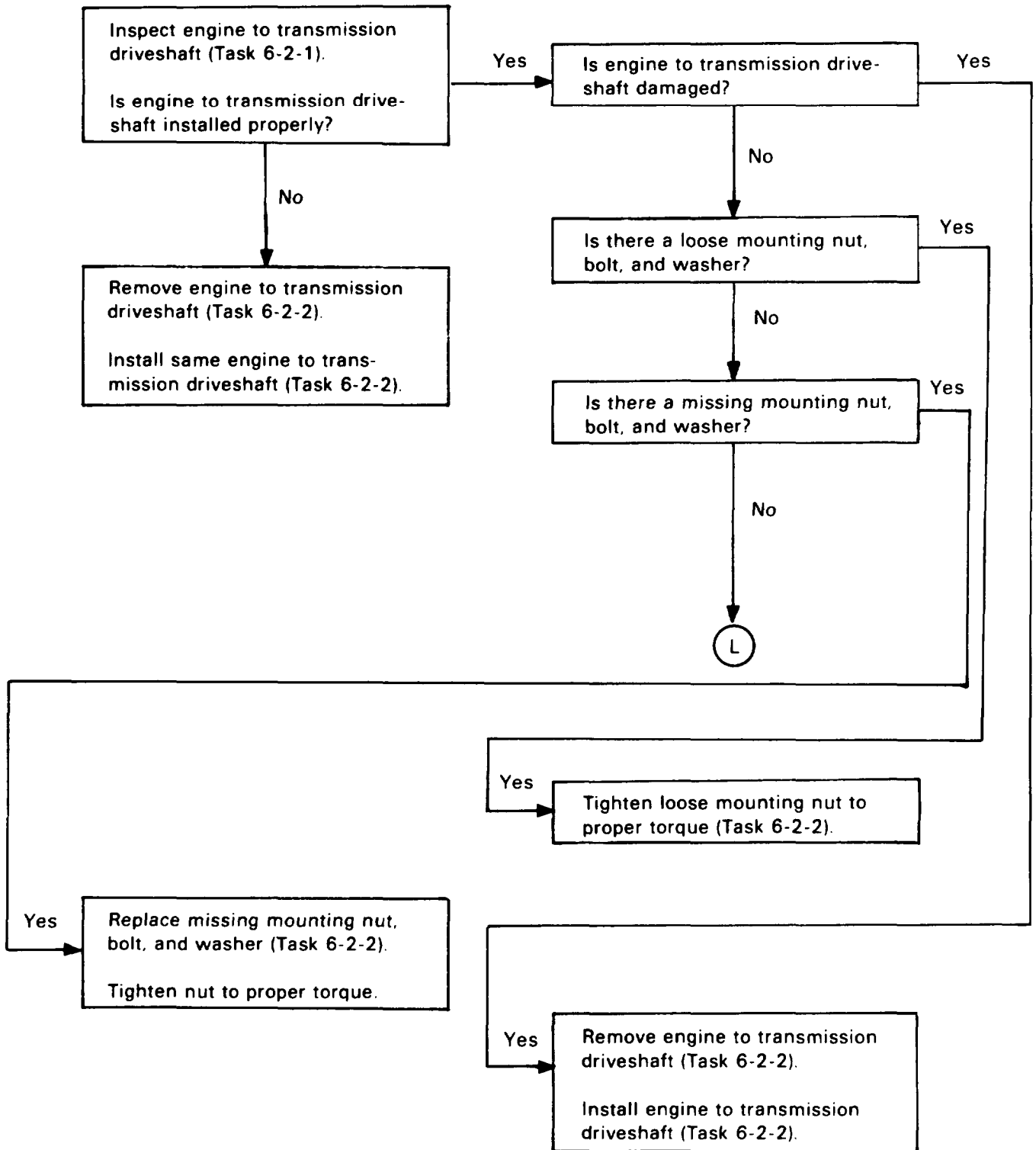


5. CHIPS FREEWHEELING UNIT CAUTION MESSAGE ON MFD

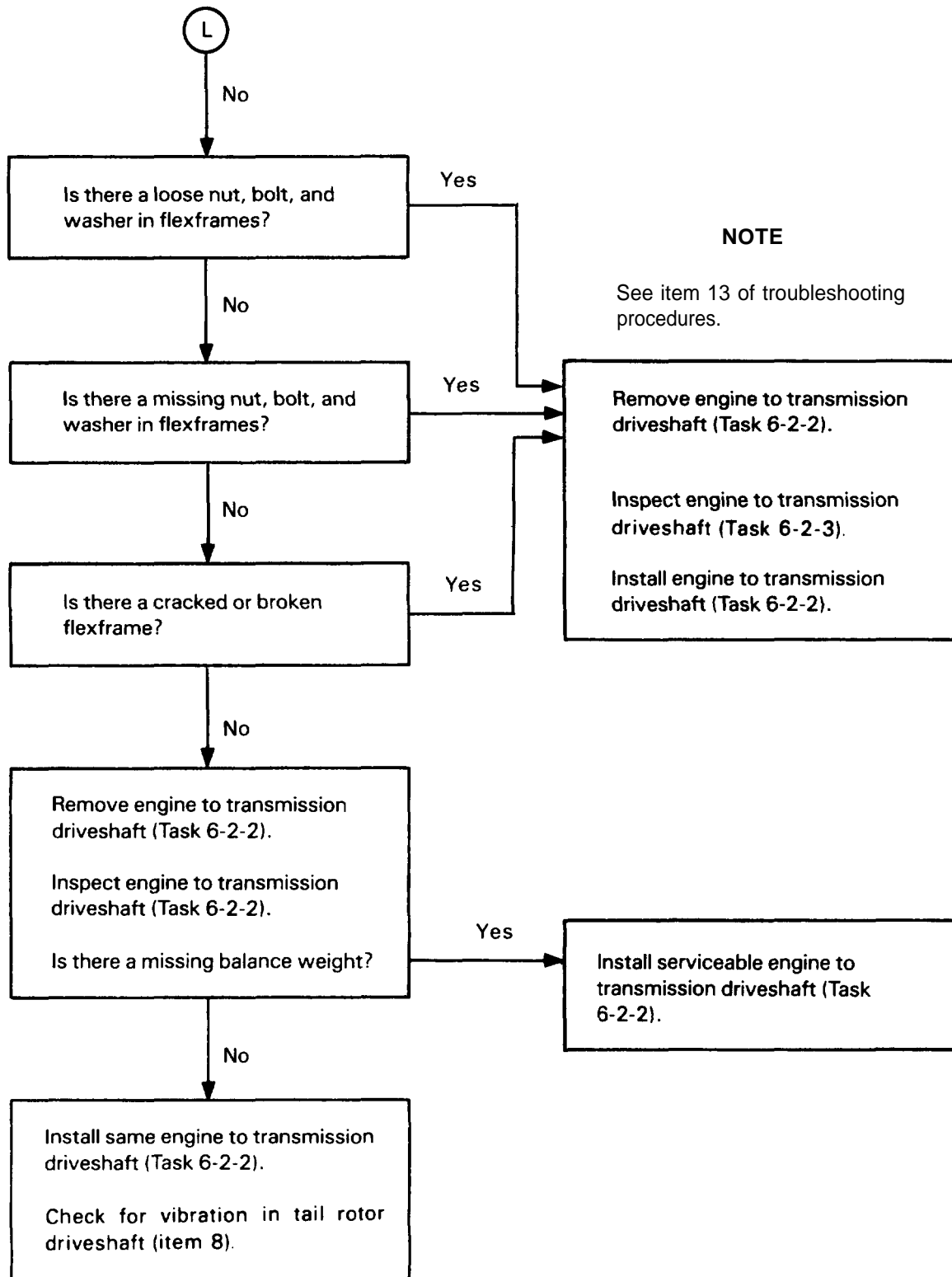


*These steps are only required if both the primary and secondary transmission oil filters were contaminated by a large quantity of foreign material. (Task 6-1-4).

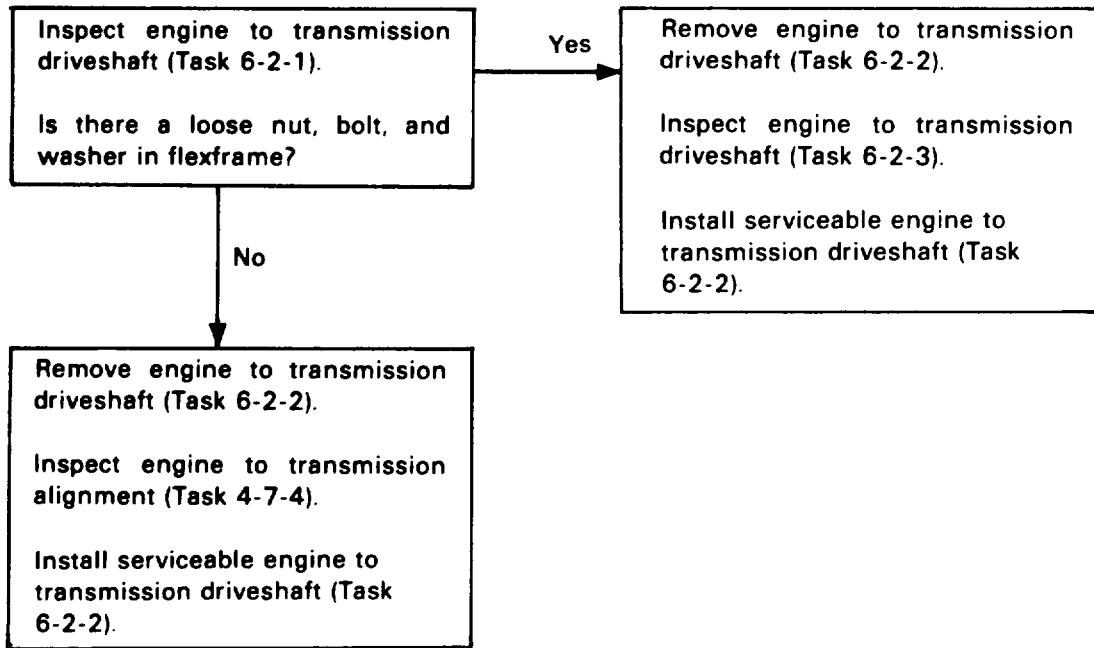
6. HIGH FREQUENCY VIBRATION



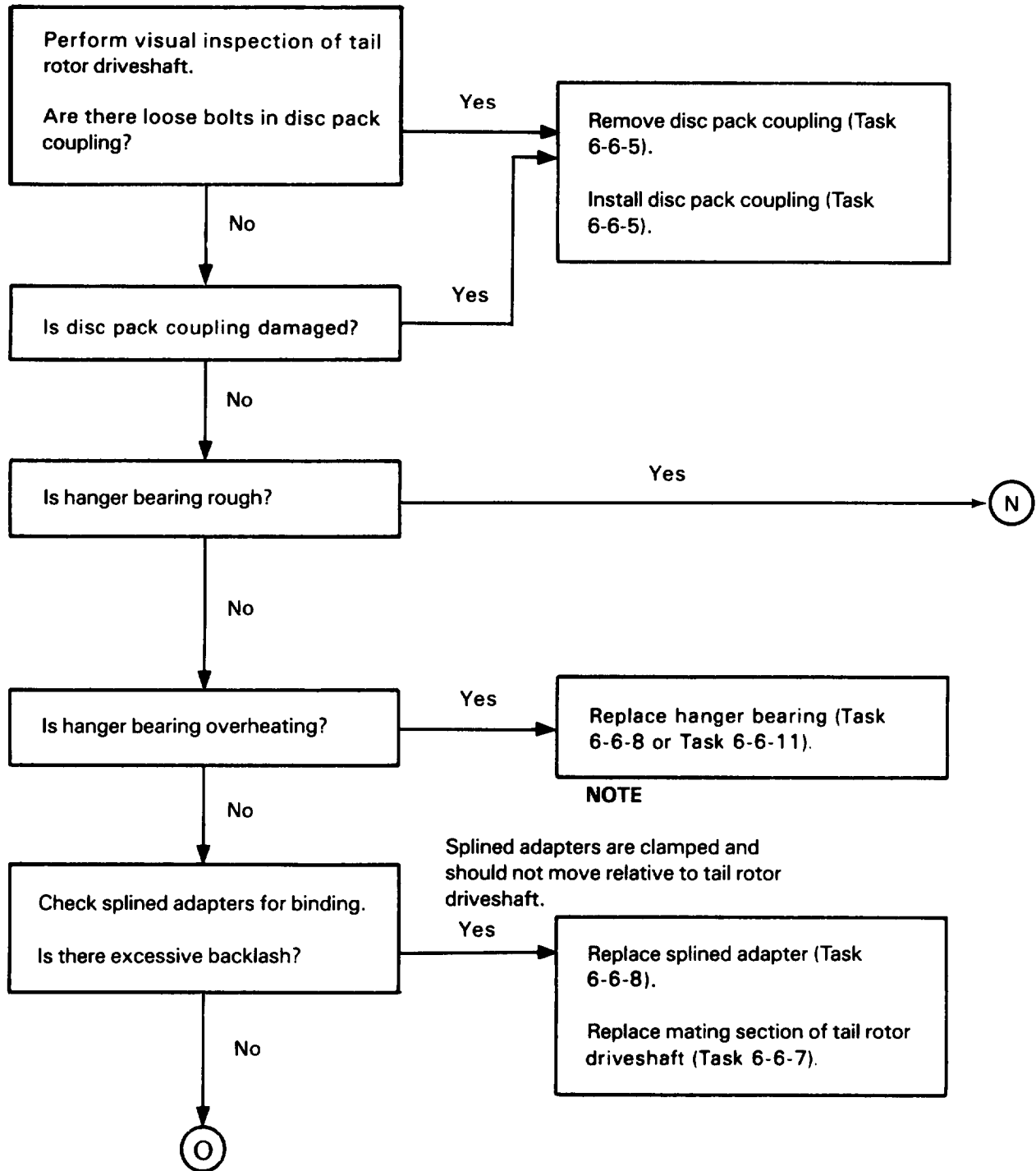
6. HIGH FREQUENCY VIBRATION (CONT)



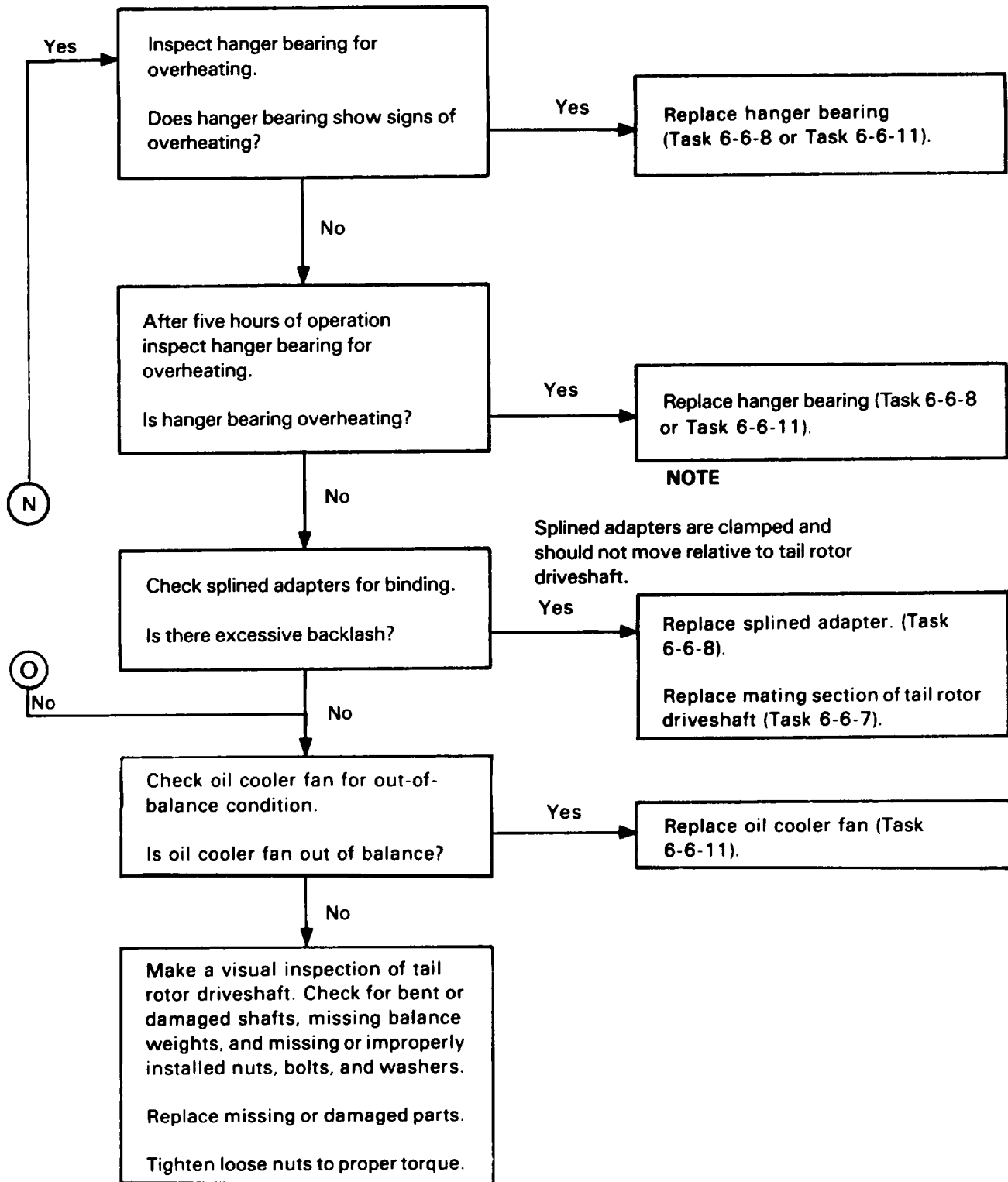
7. ABNORMAL FRETTING AND/OR WEAR OF FLEXFRAMES AT BOLTED JOINTS



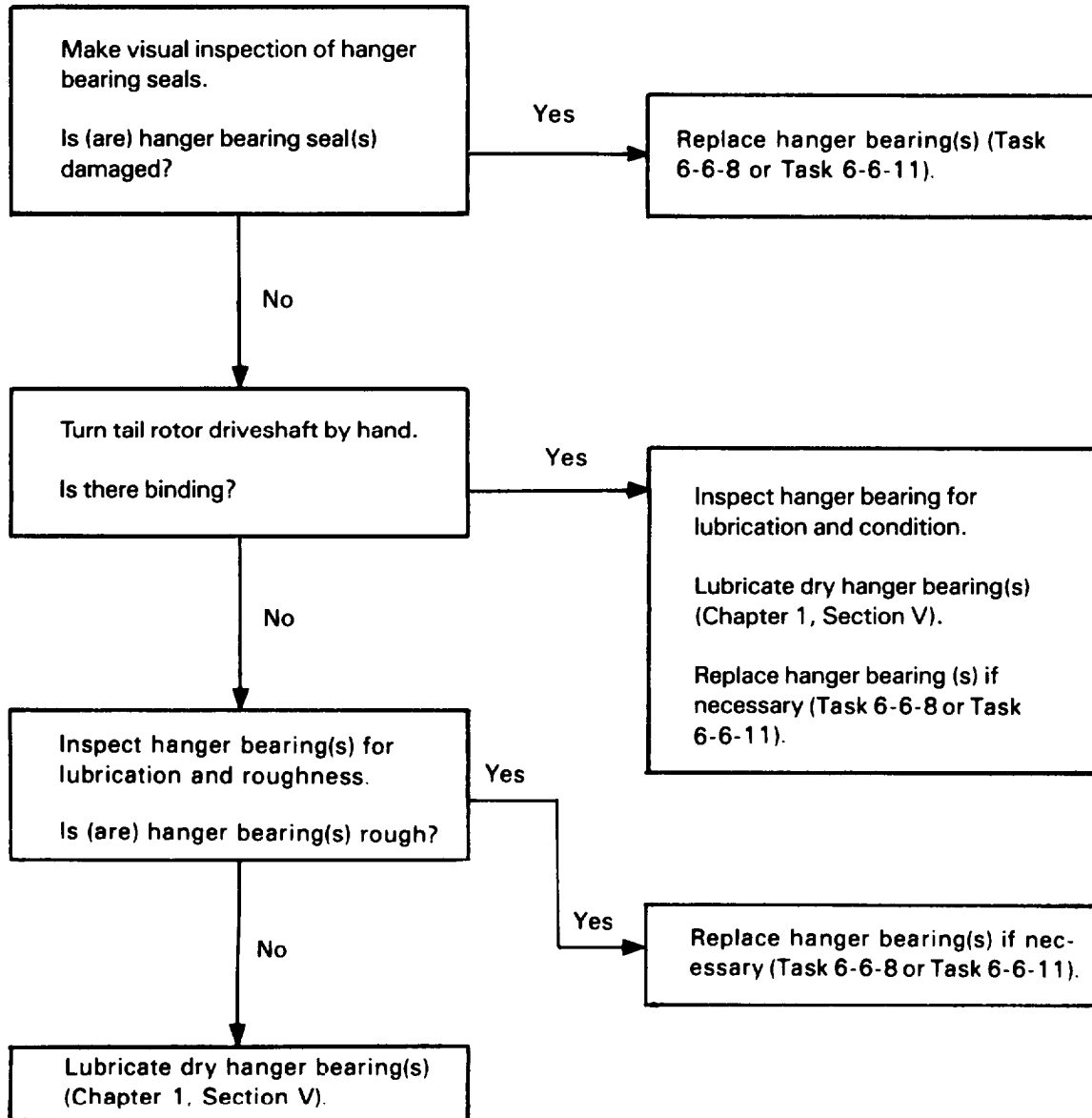
8. VIBRATION IN TAIL ROTOR DRIVESHAFT



8. VIBRATION IN TAIL ROTOR DRIVESHAFT (CONT)



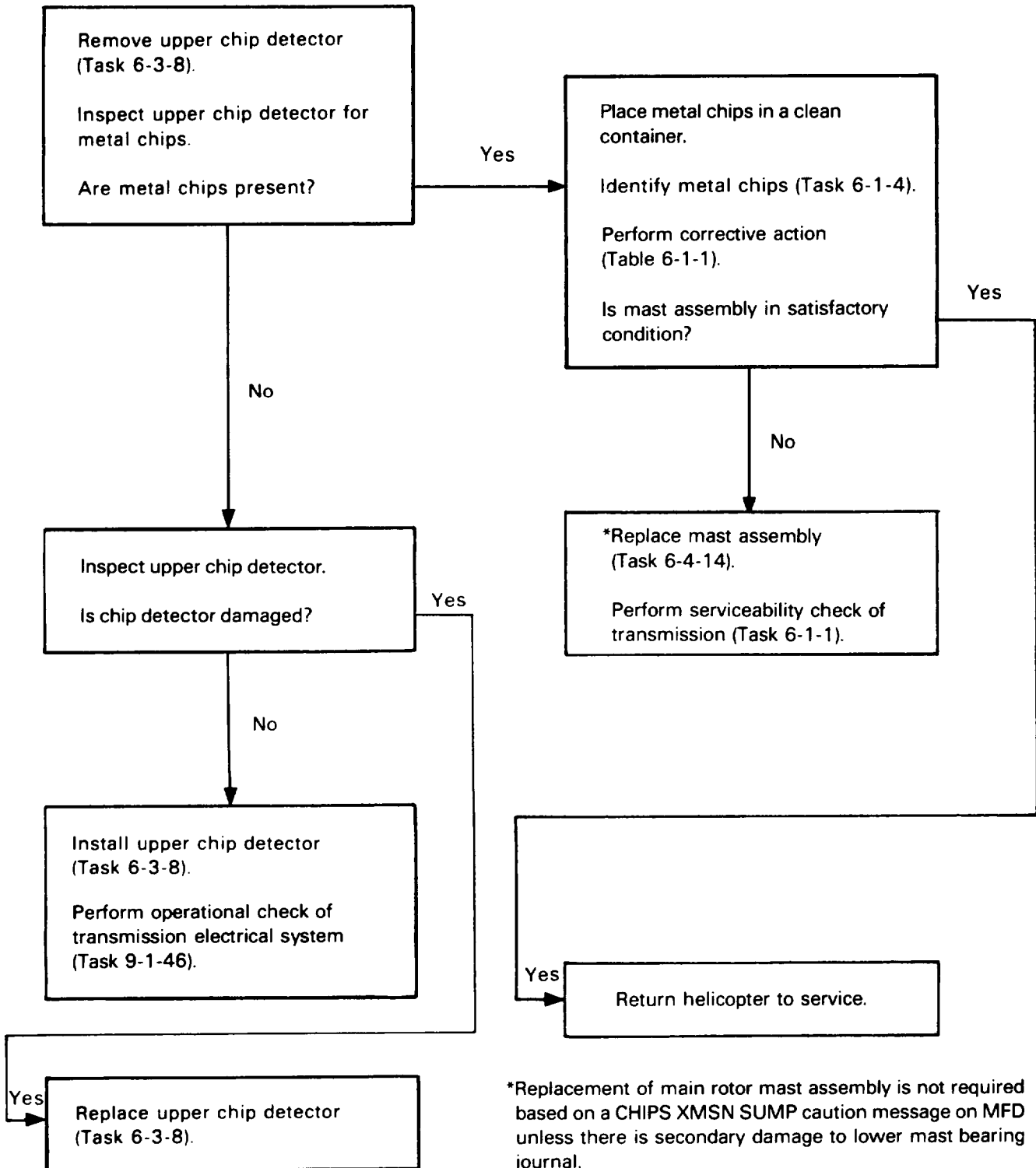
9. LOSS OF GREASE FROM HANGER BEARING(S)



NOTE

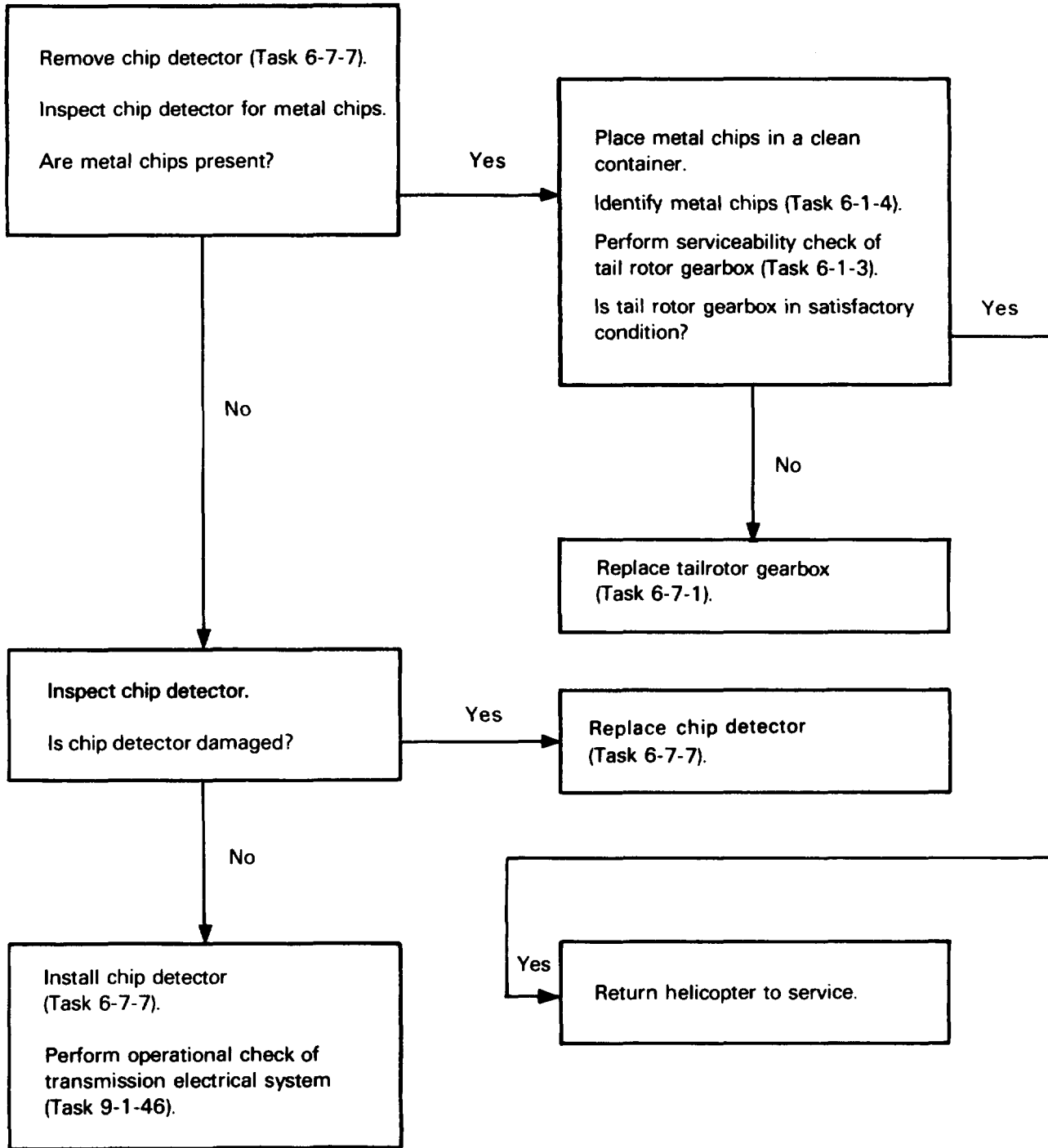
If necessary, sections of tail rotor driveshaft maybe removed to help identify faulty hanger bearings.

10. CHIPS XMSN MAST BEARING CAUTION MESSAGE ON MFD



*Replacement of main rotor mast assembly is not required based on a CHIPS XMSN SUMP caution message on MFD unless there is secondary damage to lower mast bearing journal.

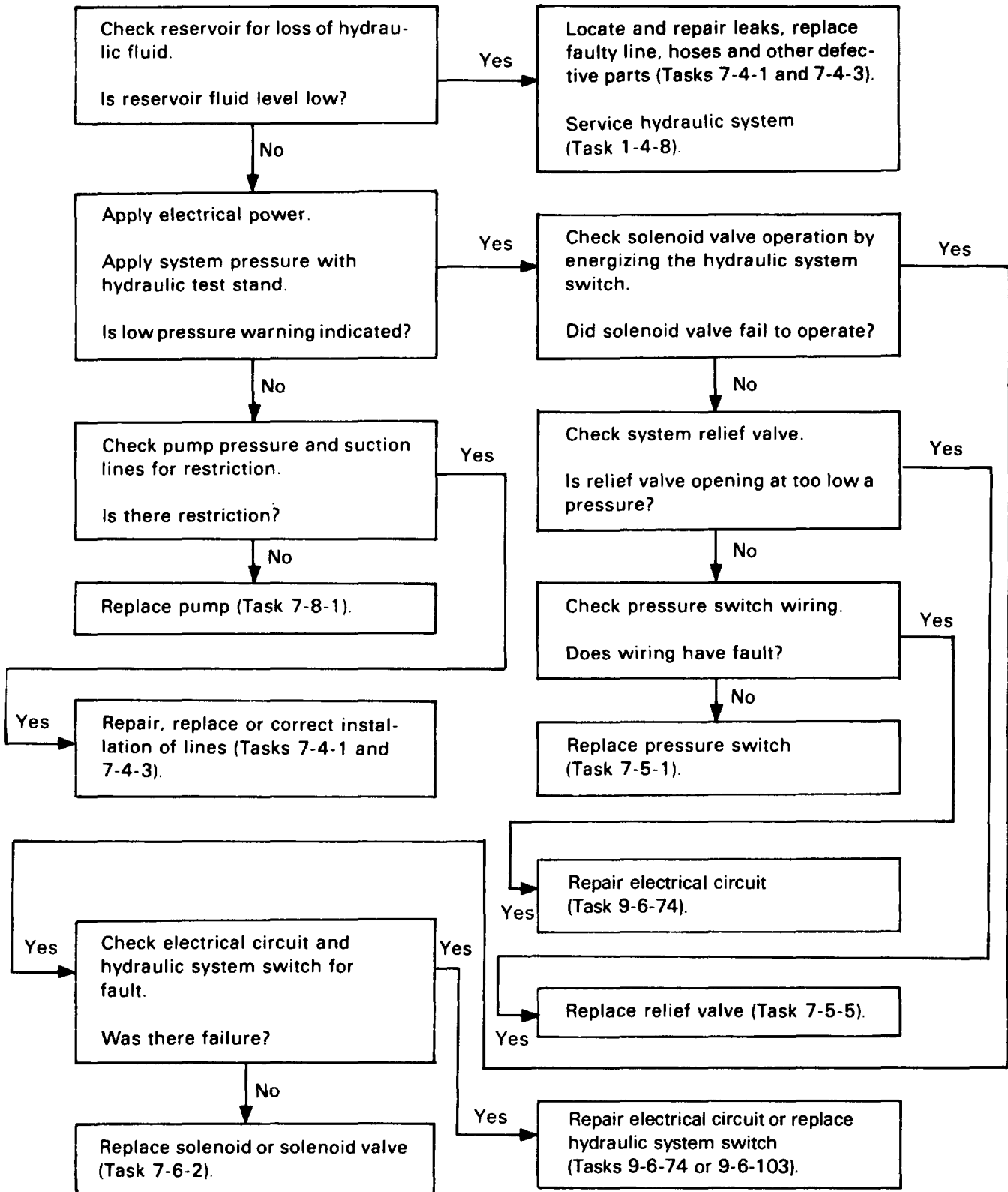
11. CHIPS TAIL ROTOR GEARBOX CAUTION MESSAGE ON MFD



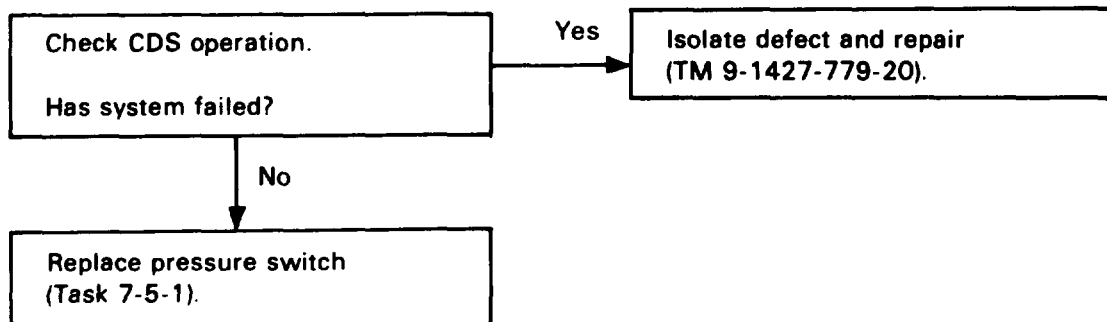
Section II. HYDRAULIC SYSTEM (CHAPTER 7)

MAPS NUMBER	SYMPTOM	PAGE NUMBER
1.	Hydraulic pressure indicates low during normal operation (Caution LOW HYD PRESS)	N-18
2.	CDS indicates hydraulic system failed	N-19
3.	Servoactuator chatters when controls are moved	N-20
4.	Hydraulic system will not turn off	N-21

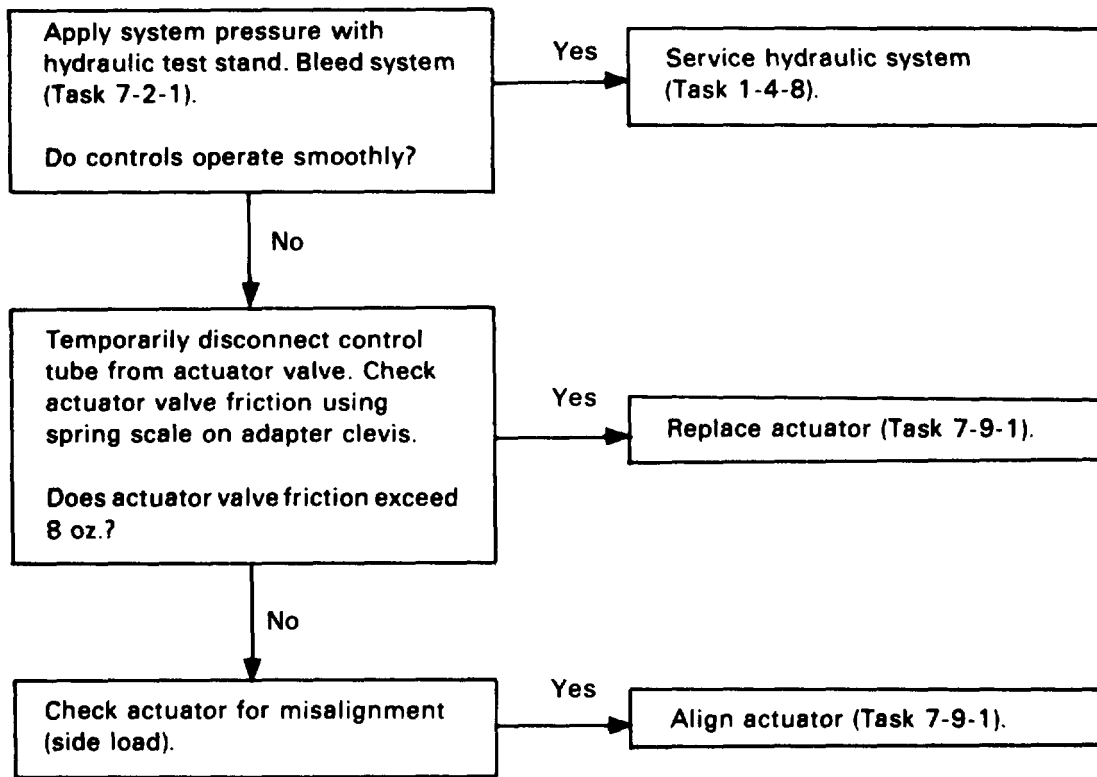
1. HYDRAULIC PRESSURE INDICATES LOW DURING NORMAL OPERATION (CAUTION LOW HYD PRESS)



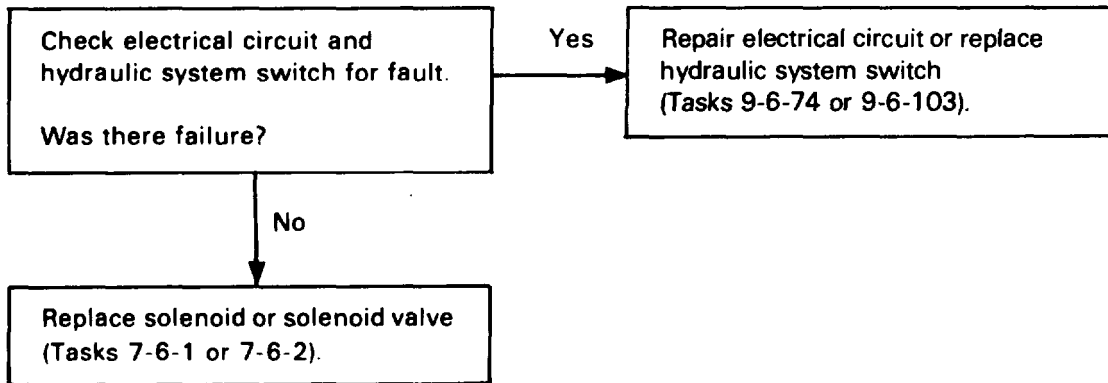
2. CDS INDICATES HYDRAULIC SYSTEM FAILED



3. SERVOACTUATOR CHATTERS WHEN CONTROLS ARE MOVED



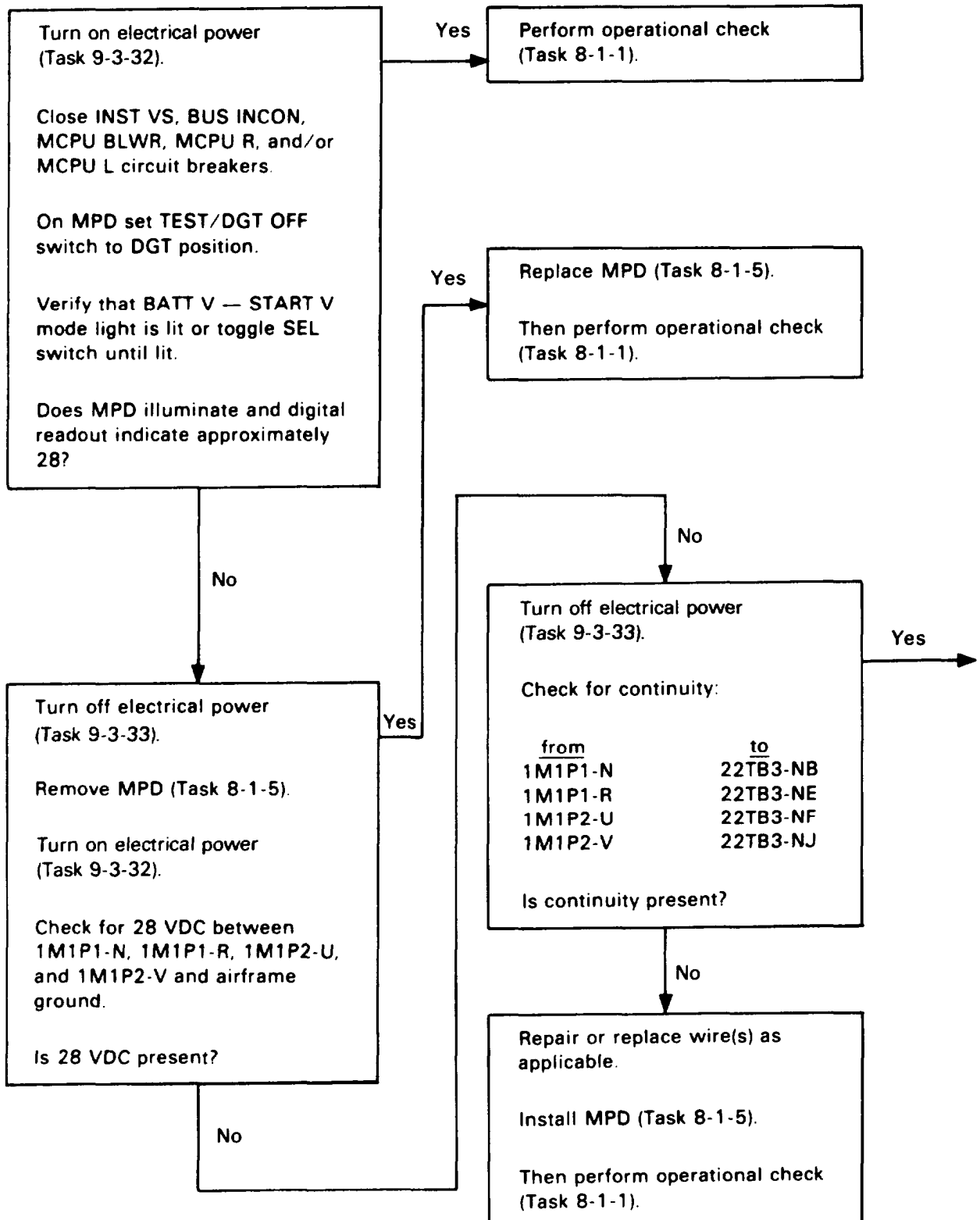
4. HYDRAULIC SYSTEM WILL NOT TURN OFF



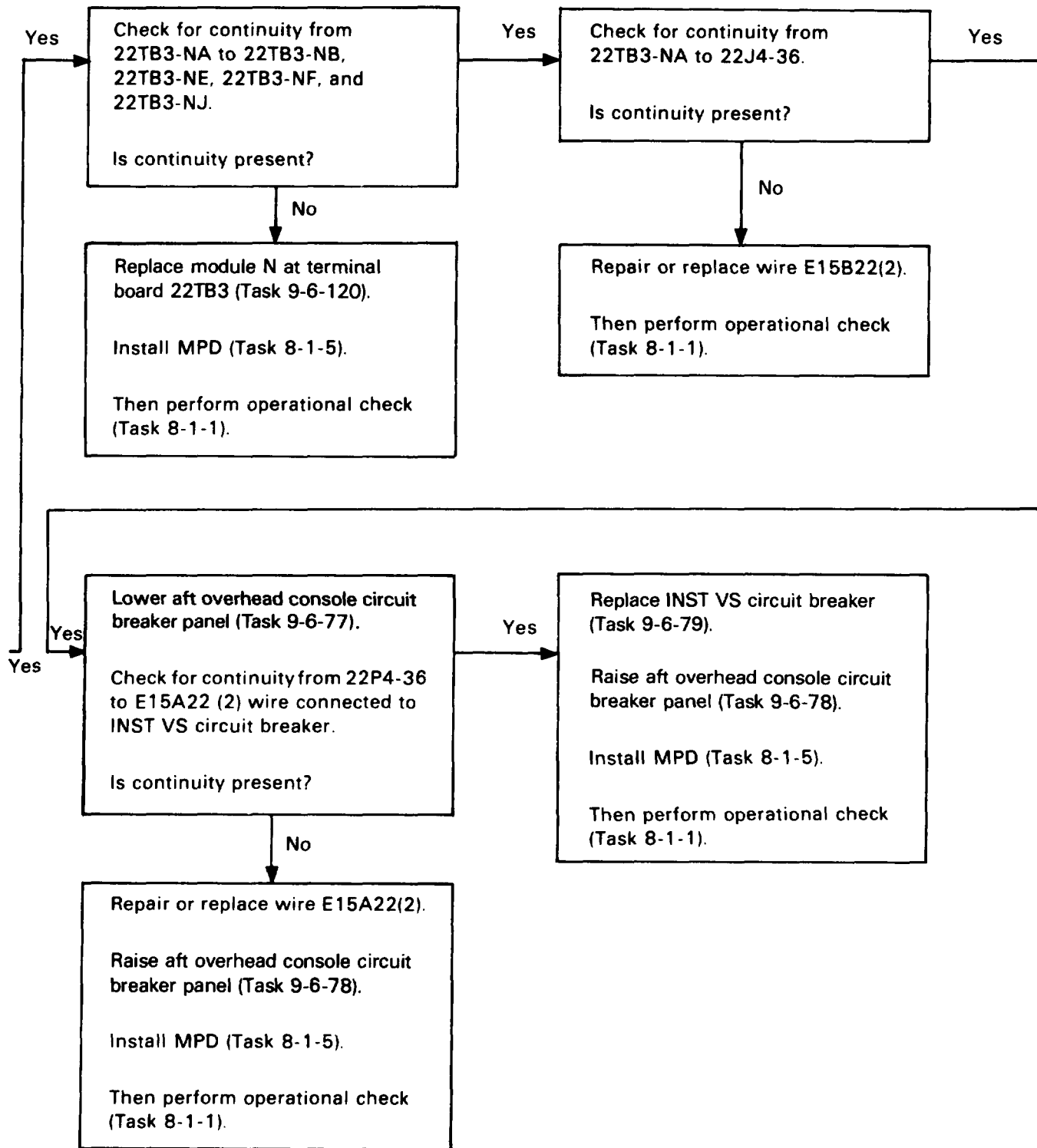
Section III. INSTRUMENT SYSTEMS (CHAPTER 8)

MAPS NUMBER	SYMPTOM	PAGE NUMBER
NOTE		
The task number referenced in the symptom is the related operational check in Chapter 8.		
1.	MPD does not illuminate or digital readout does not indicate approximately 28Vdc. (Task 8-1-1)	N-23
2.	TGT/TRCI indicators do not function properly with M PO operating normally. (Task 8-1-1)	N-26
3.	Dual tachometer does not function properly with MPD operating normally, (Task 8-1-1)	N-28
4.	Standby altimeter fails to illuminate. (Task 8-2-1)	N-30
5.	Standby attitude indicator OFF flag does not move from view. (Task 8-2-4)	N-33
6.	Standby attitude indicator fails to illuminate. (Task 8-2-4)	N-36
7.	Standby airspeed indicator fails to illuminate. (Task 8-2-7)	N-39
8.	Pitot tube does not get hot. (Task 8-3-10).	N-41
9.	Standby compass fails to illuminate. (Task 8-5-1)	N-43
10.	Clock fails to illuminate. (Task 8-5-4)	N-45
11.	Standby altimeter pointer sticks (Task 8-2-1)	N-47
12.	MFD does not indicate RPM and TRQ readings with backup switch depressed. (Task 8-1-1)	N-48
13.	NR vertical indicator does not work properly and mast torque inoperative. (Task 8-1-1).	N-50

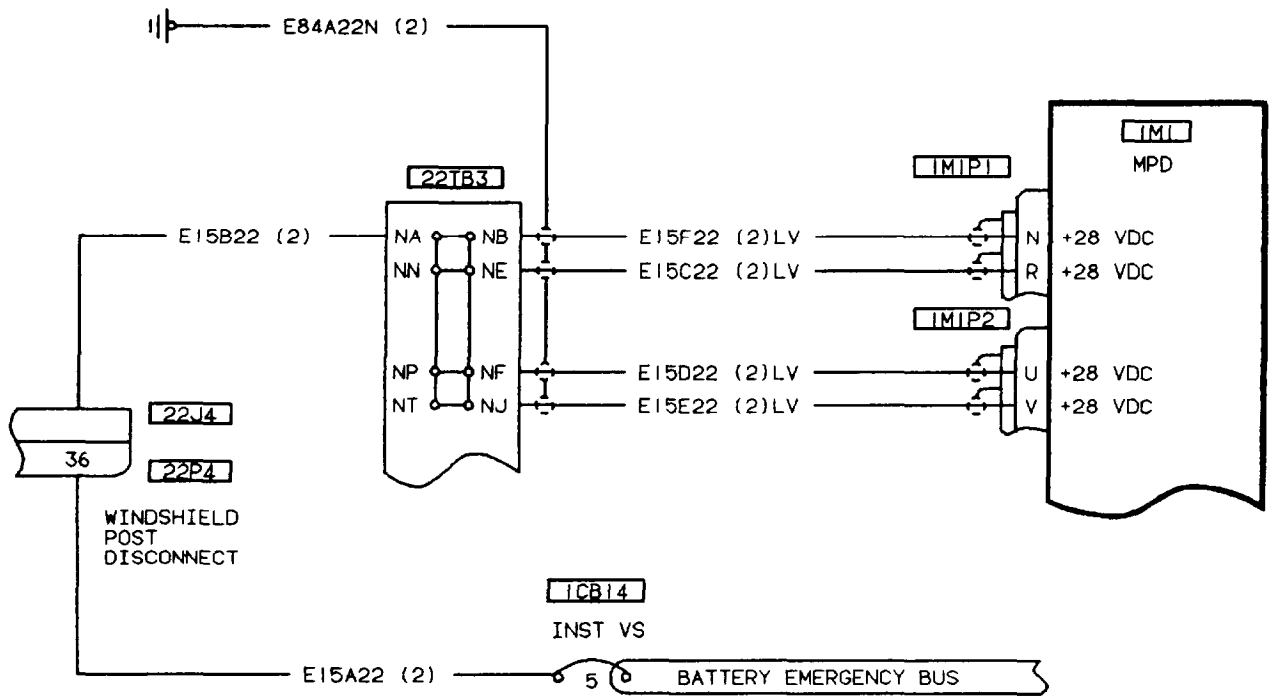
1. MPD DOES NOT ILLUMINATE OR DIGITAL READOUT DOES NOT INDICATE APPROXIMATELY 28 VDC



1. MPD DOES NOT ILLUMINATE OR DIGITAL READOUT DOES NOT INDICATE APPROXIMATELY 28 VDC (CONT)

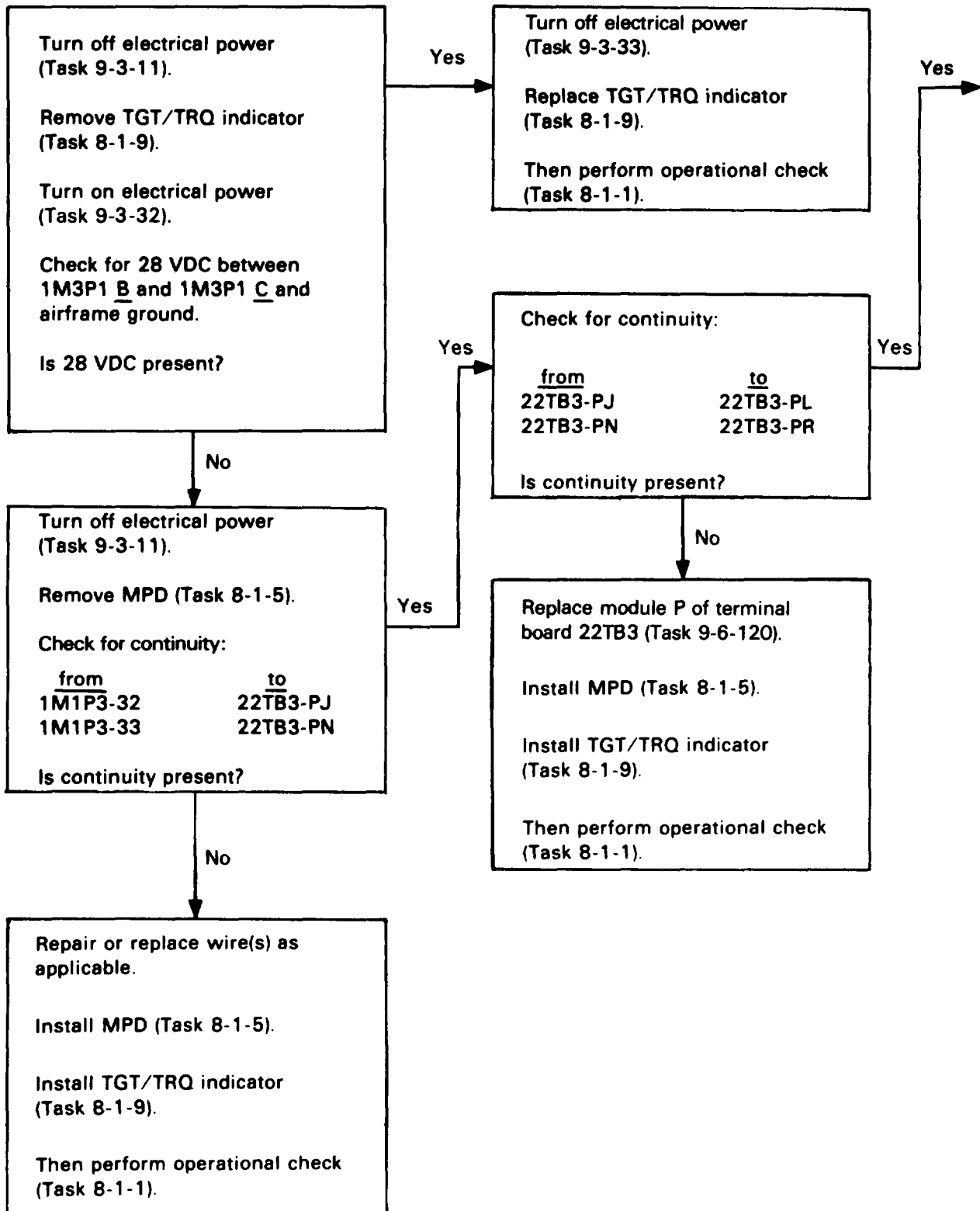


1. MPD DOES NOT ILLUMINATE OR DIGITAL READOUT DOES NOT INDICATE APPROXIMATELY 28 VDC (CONT)

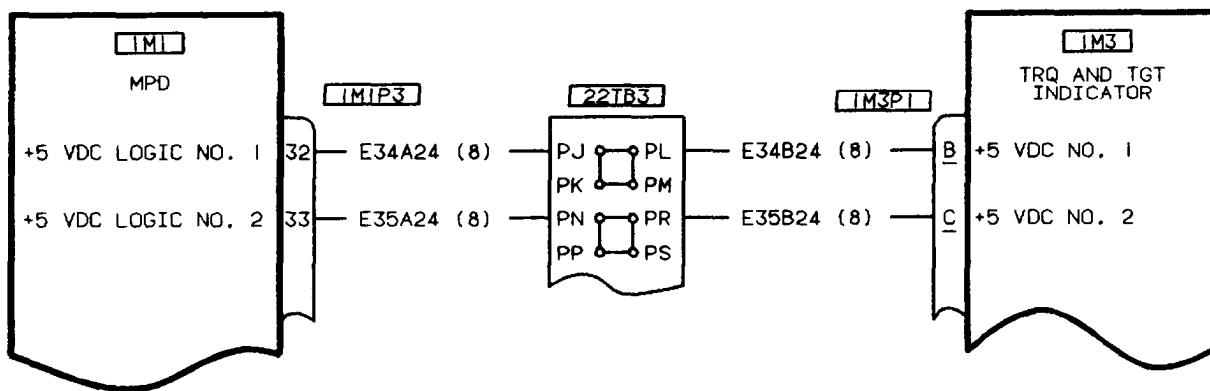
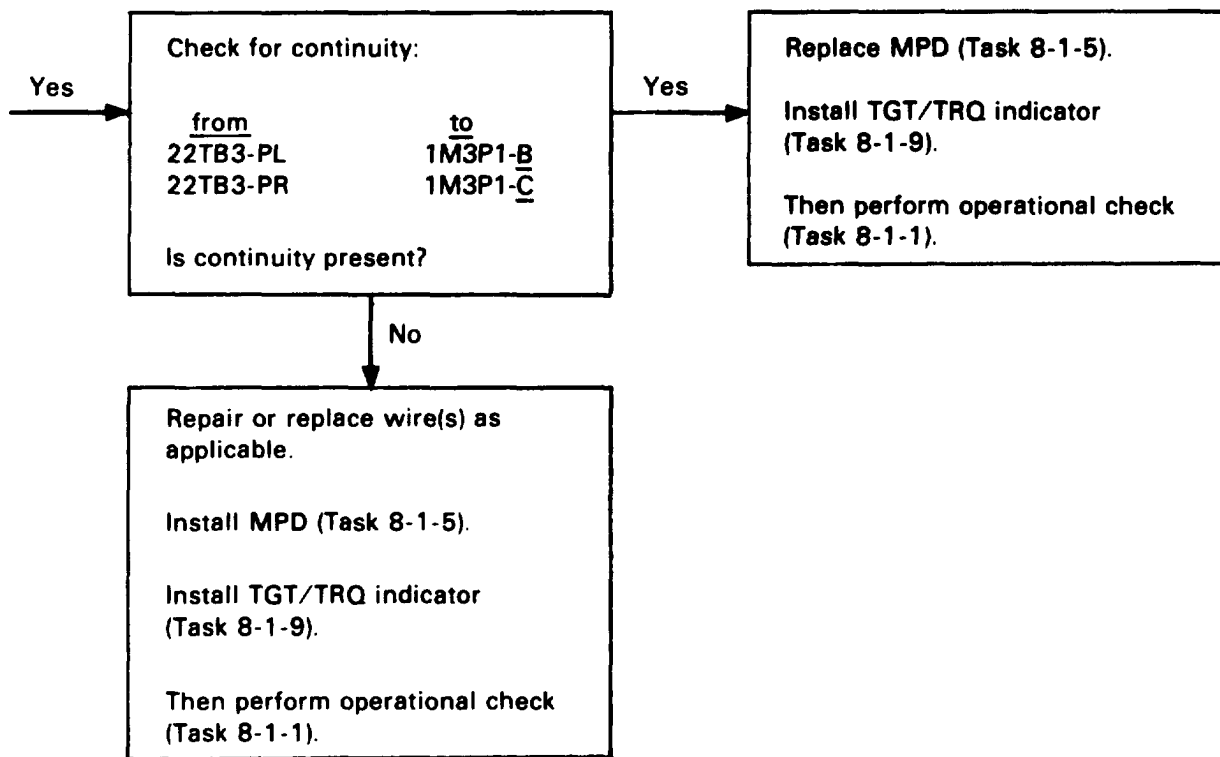


406475-299

2. TGT/TRQ INDICATOR DOES NOT FUNCTION PROPERLY WITH MPD OPERATING NORMALLY

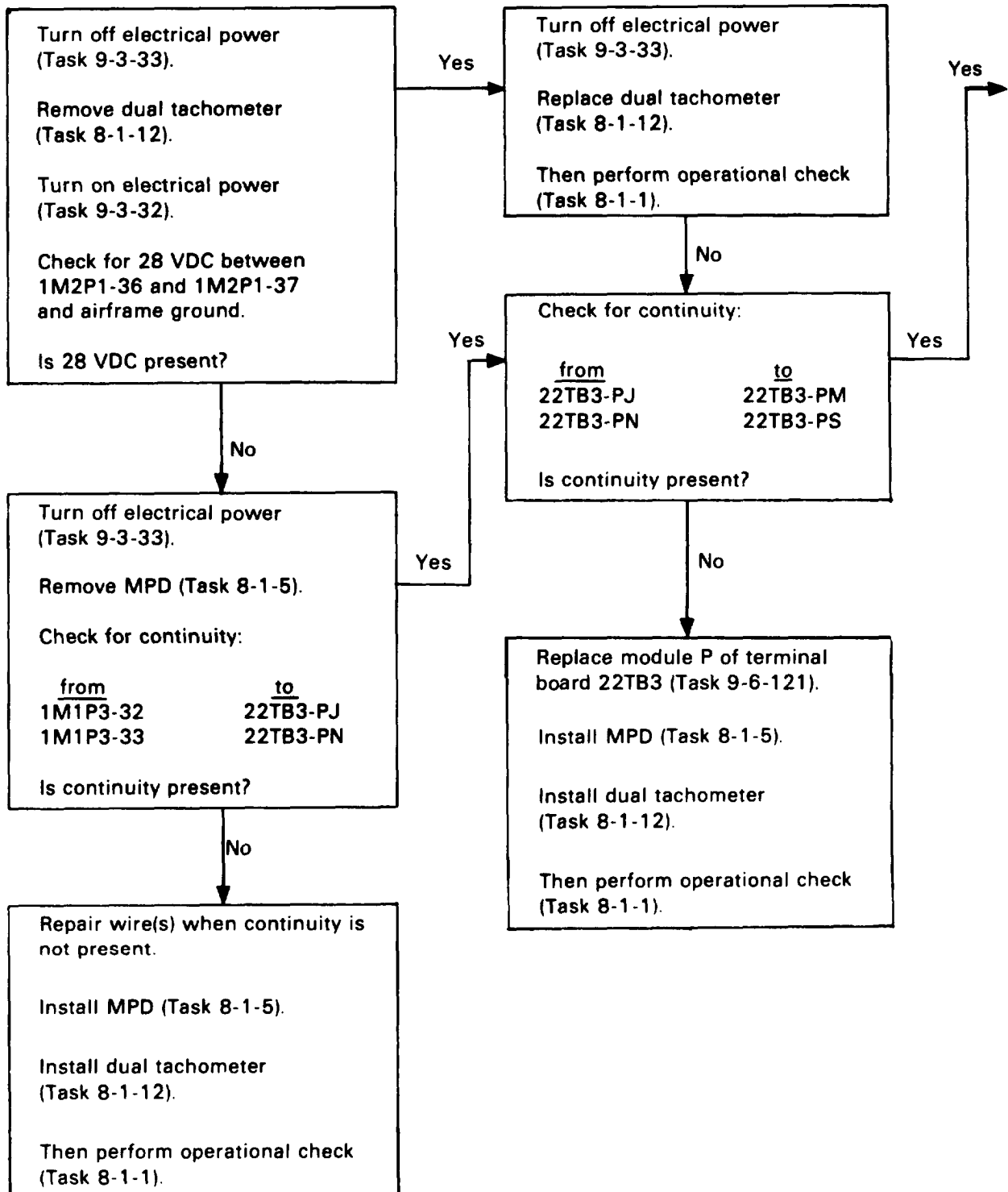


2. TGT/TRQ INDICATOR DOES NOT FUNCTION PROPERLY WITH MPD OPERATING NORMALLY (CONT)

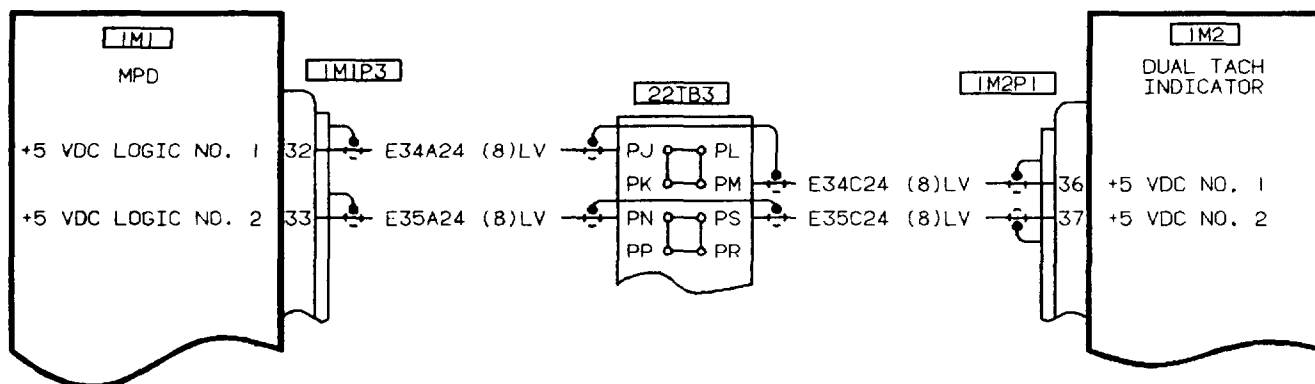
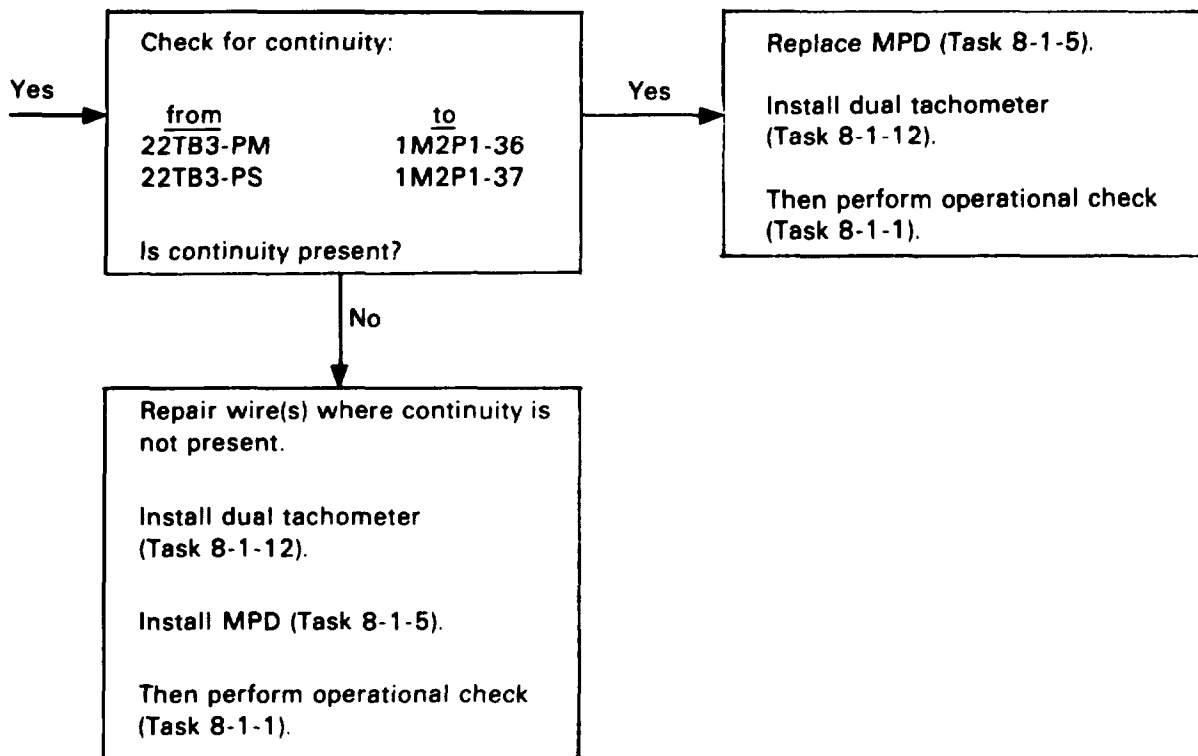


406475-379

3. DUAL TACHOMETER DOES NOT FUNCTION PROPERLY WITH MPD OPERATING NORMALLY

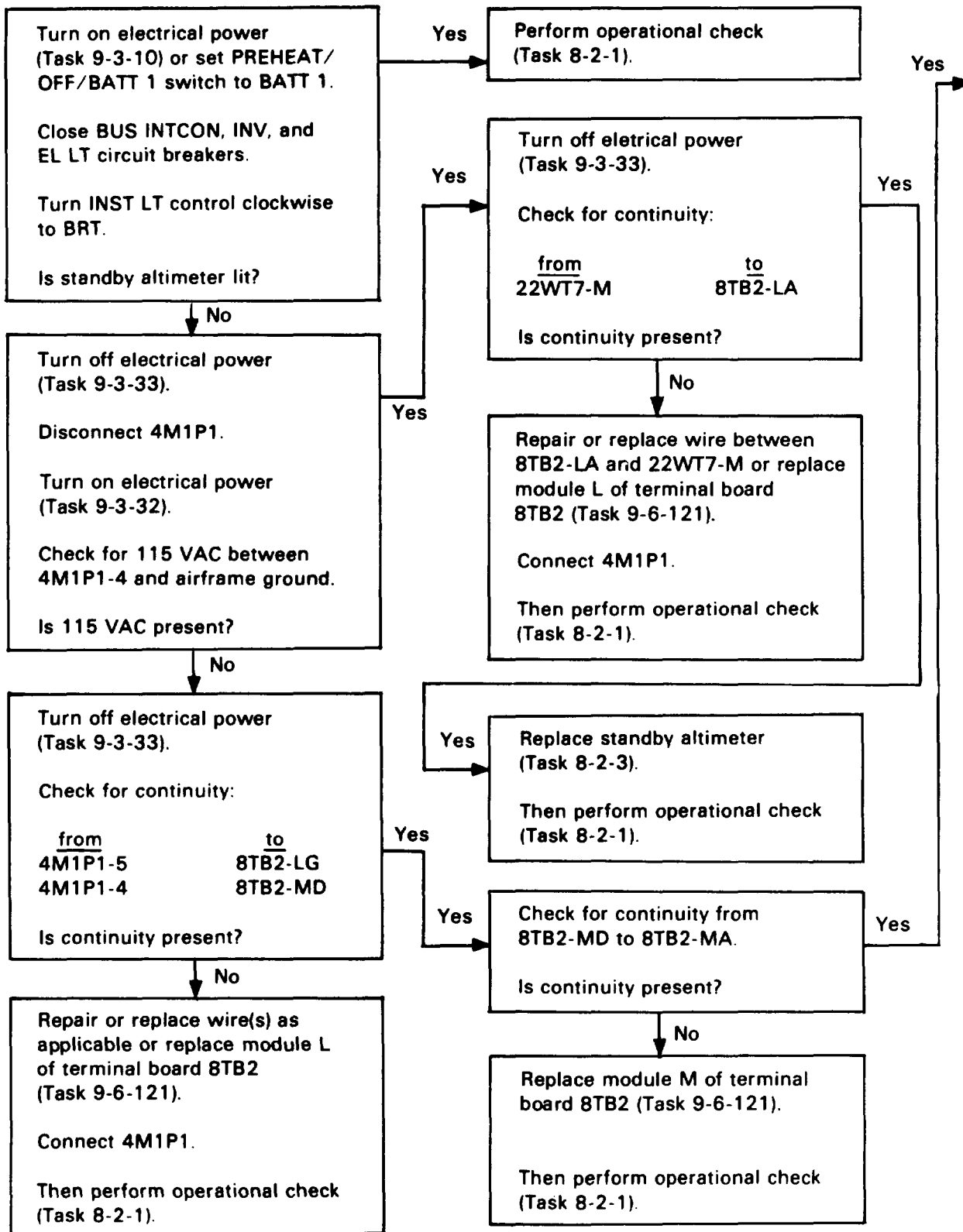


3. DUAL TACHOMETER DOES NOT FUNCTION PROPERLY WITH MPD OPERATING NORMALLY (CONT)

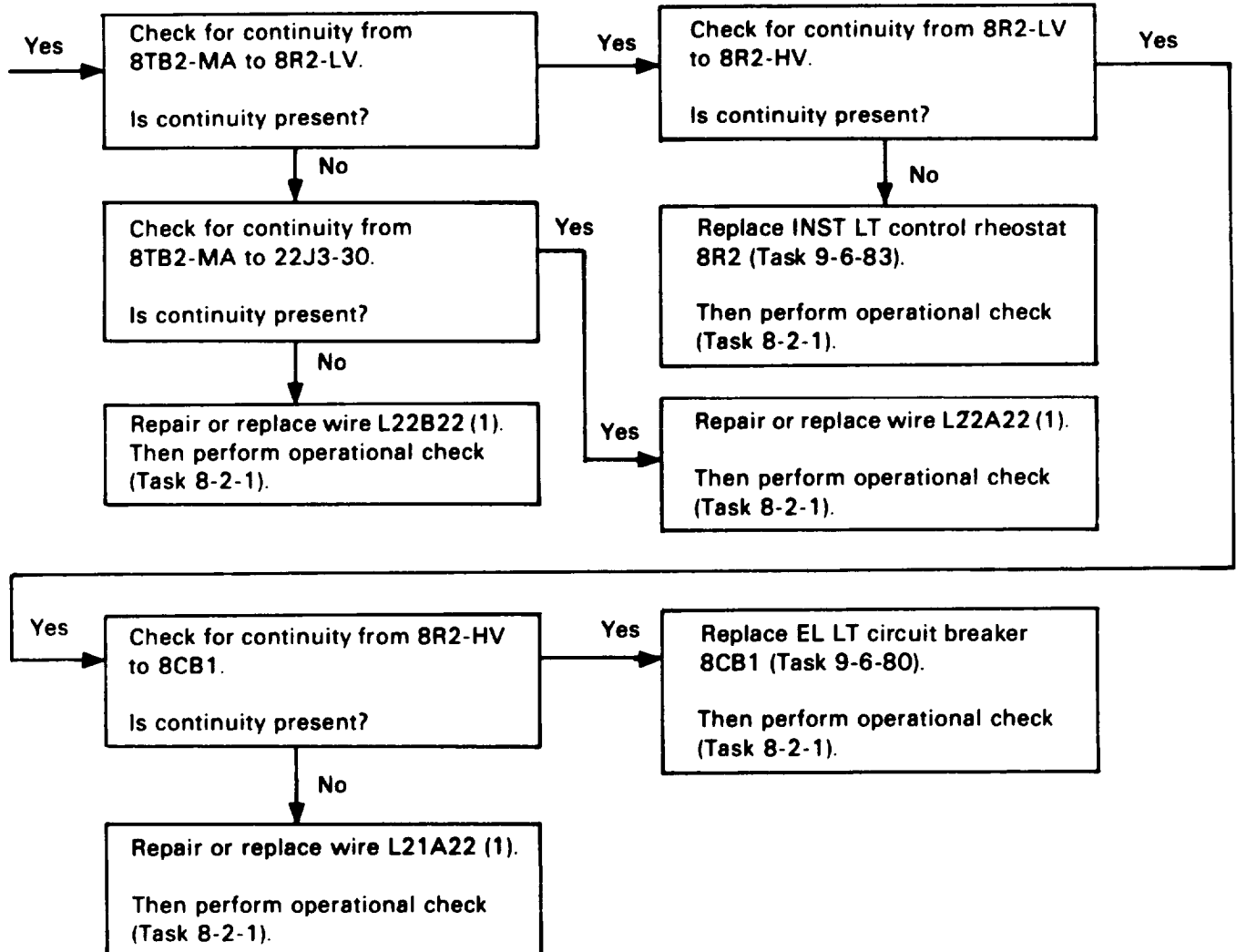


406475-298

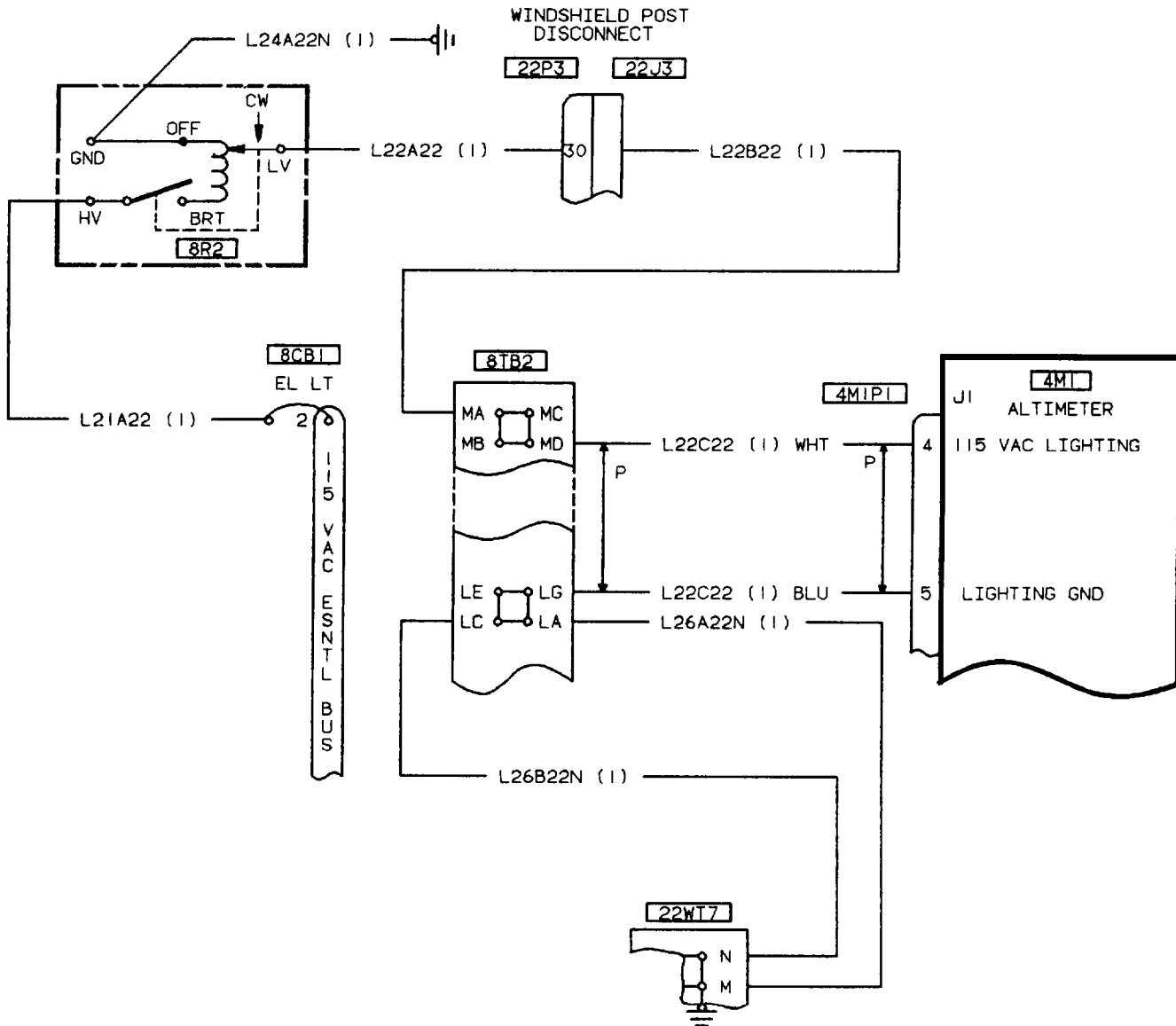
4. STANDBY ALTIMETER FAILS TO ILLUMINATE



4. STANDBY ALTIMETER FAILS TO ILLUMINATE (CONT)

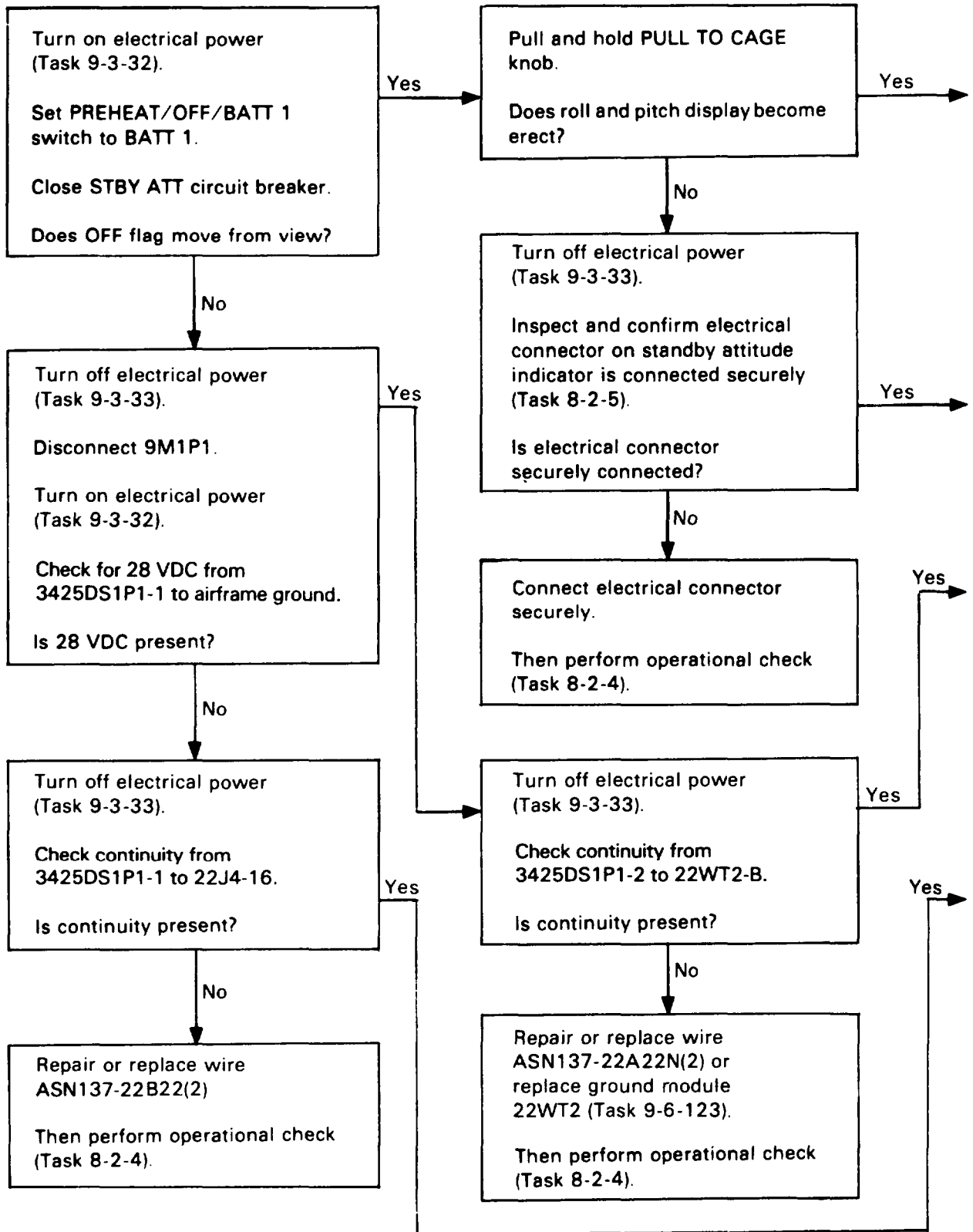


4. STANDBY ALTIMETER FAILS TO ILLUMINATE (CONT)

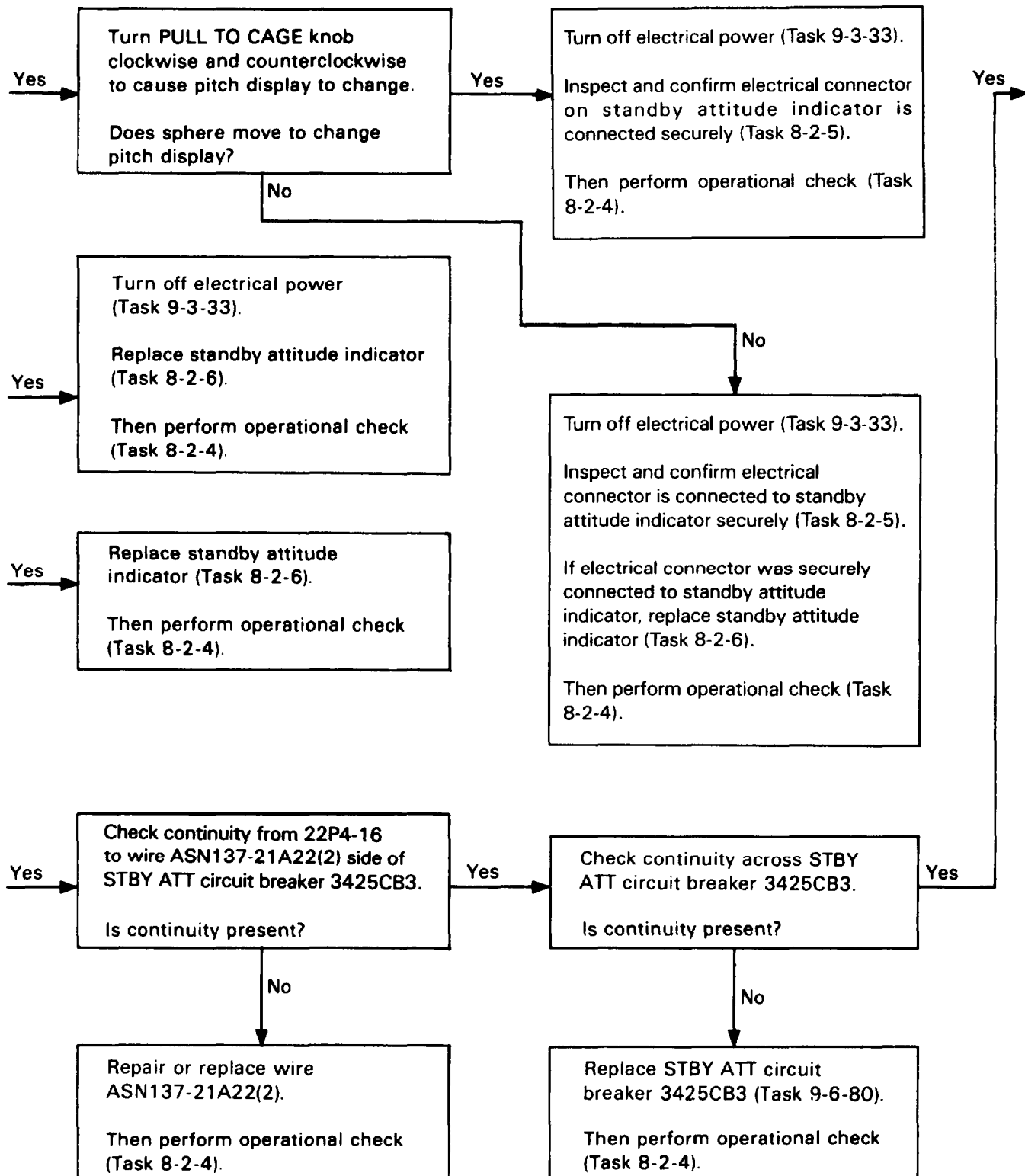


406475-300

5. STANDBY ATTITUDE INDICATOR OFF FLAG DOES NOT MOVE FROM VIEW



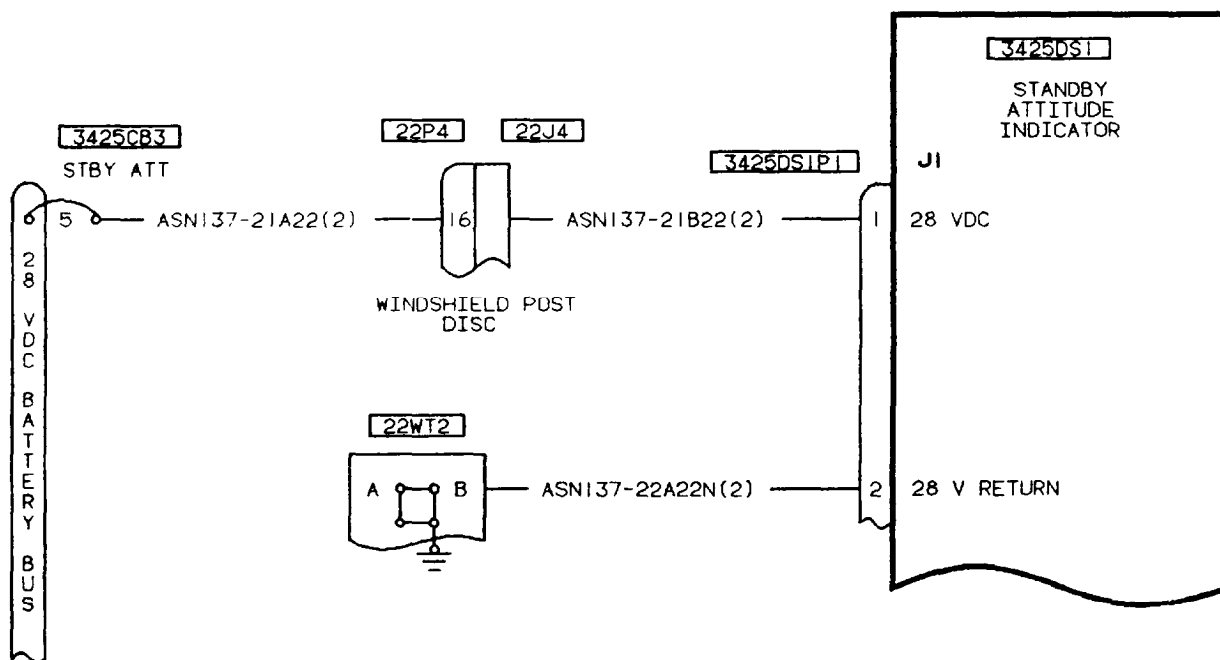
5. STANDBY ATTITUDE INDICATOR OFF FLAG DOES NOT MOVE FROM VIEW (CONT)



5. STANDBY ATTITUDE INDICATOR OFF FLAG DOES NOT MOVE FROM VIEW (CONT)

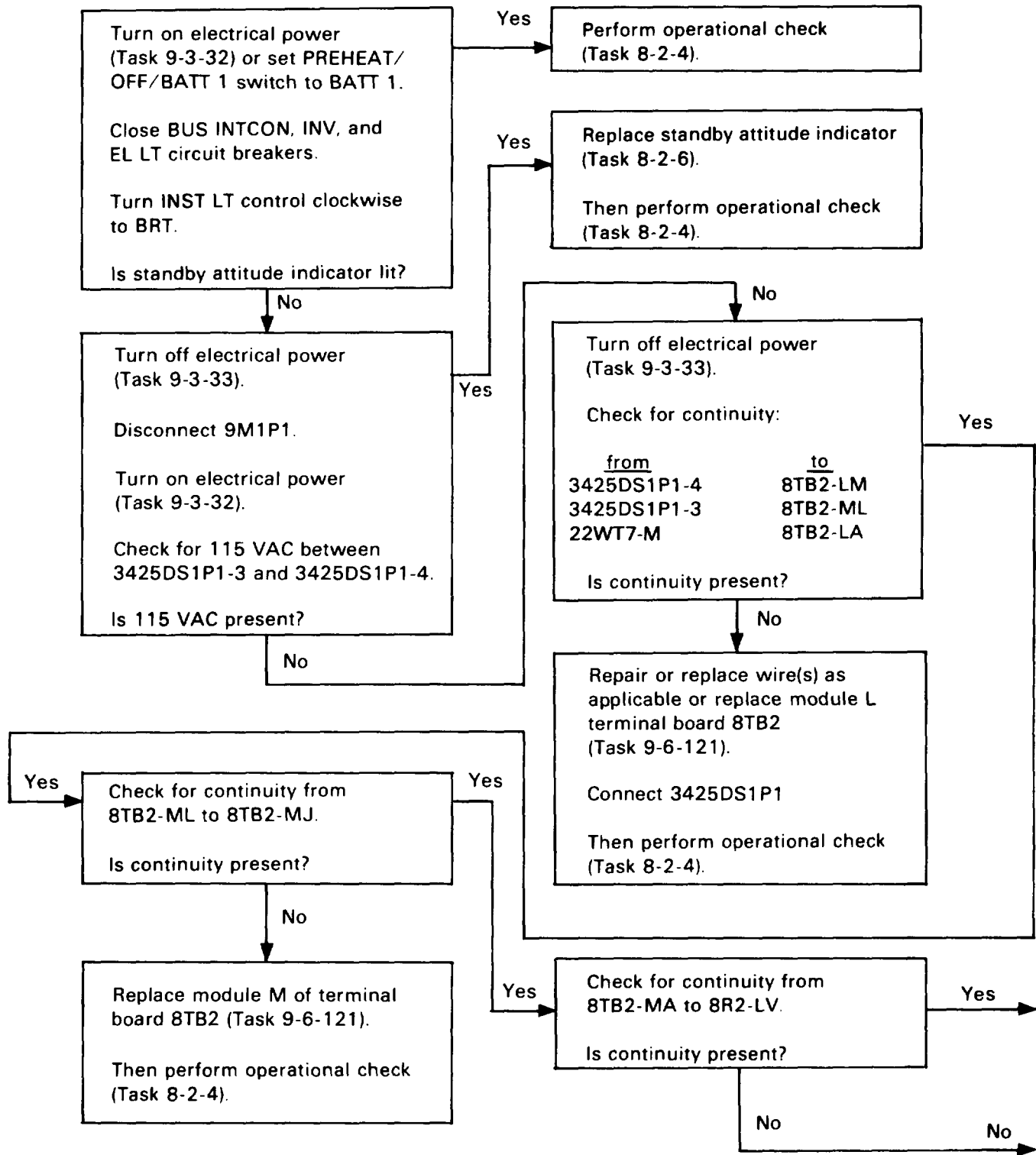
Yes →

Replace standby attitude indicator (Task 8-2-6).
Then perform operational check (Task 8-2-4).

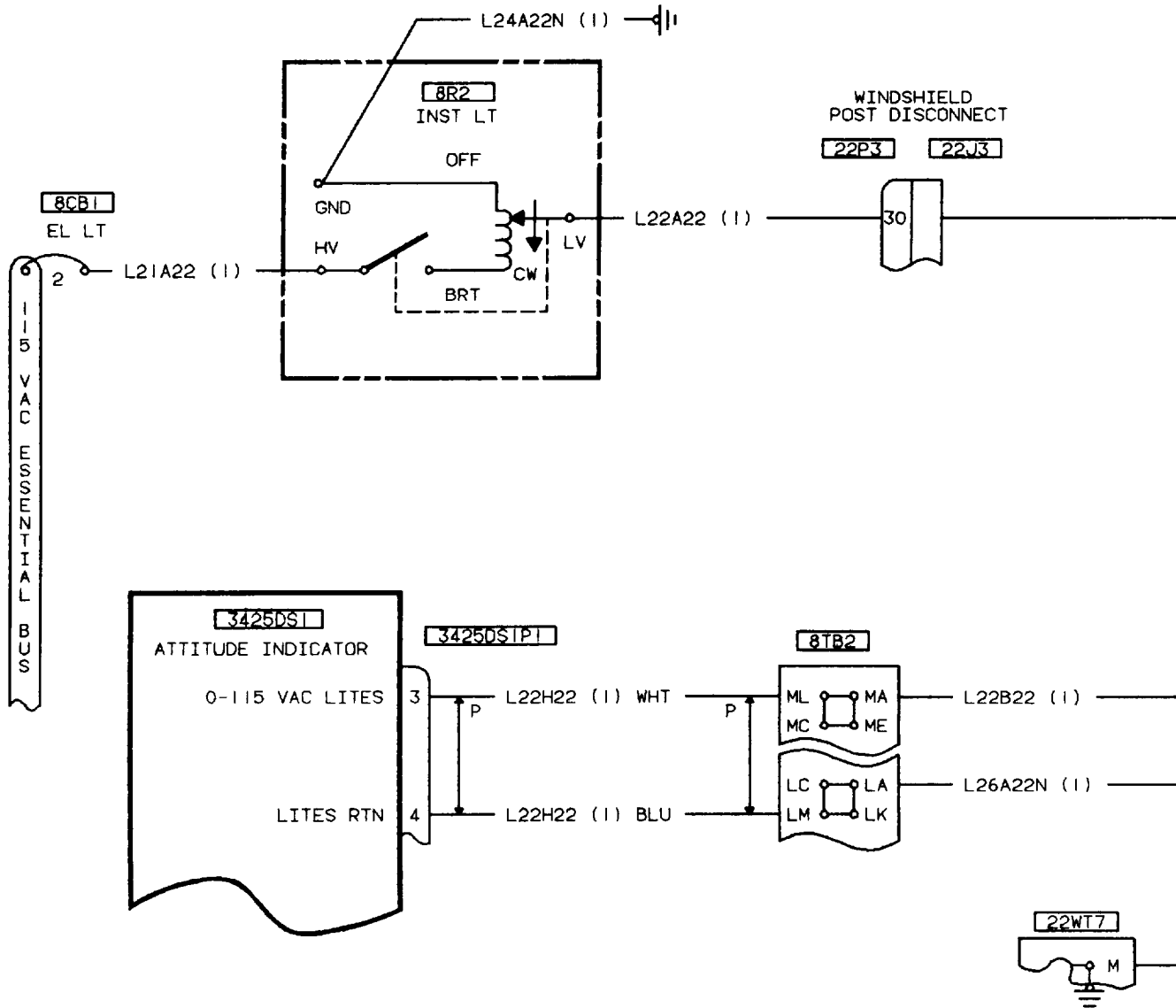


406475-301

6. STANDBY ATTITUDE INDICATOR FAILS TO ILLUMINATE

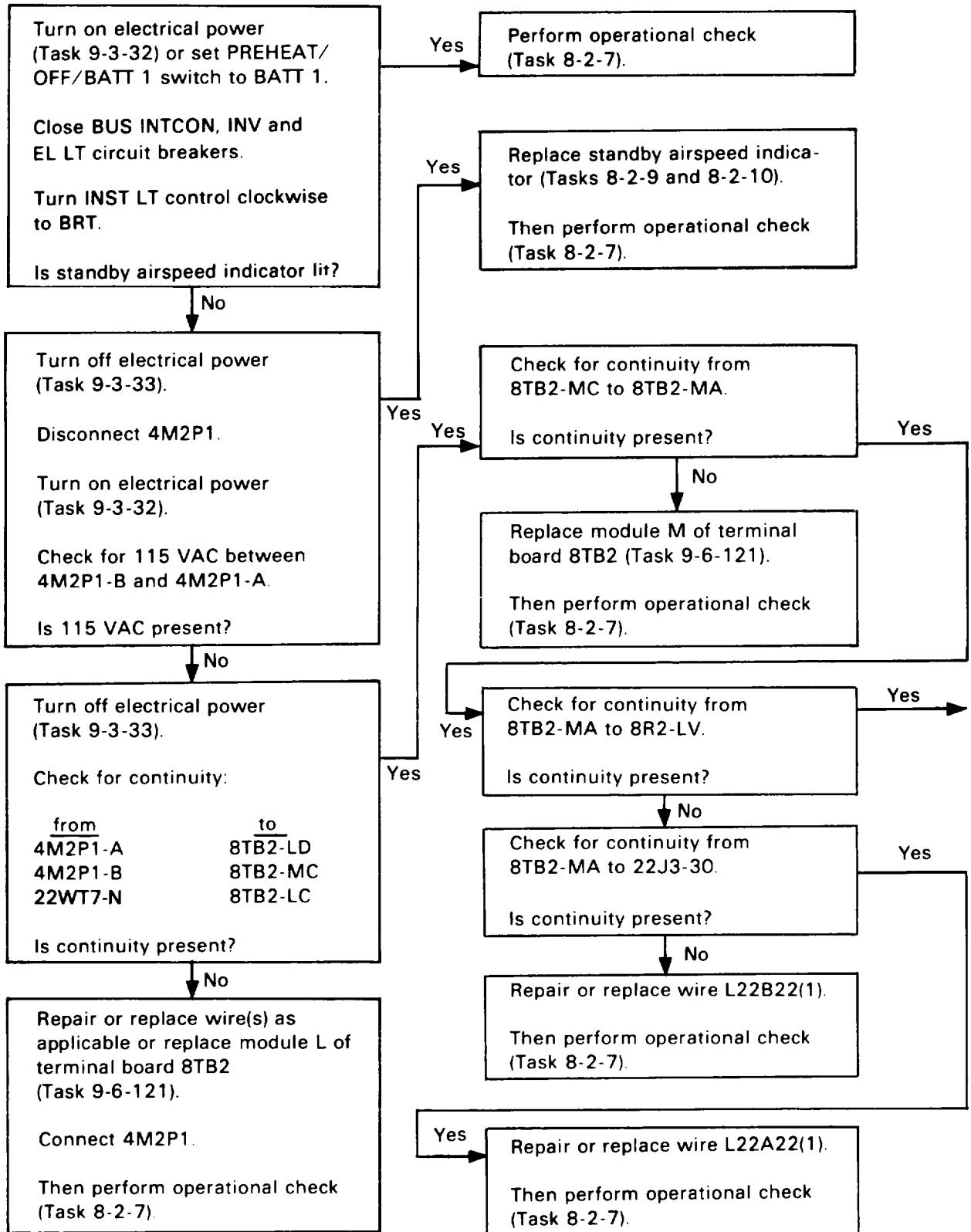


6. STANDBY ATTITUDE INDICATOR FAILS TO ILLUMINATE (CONT)

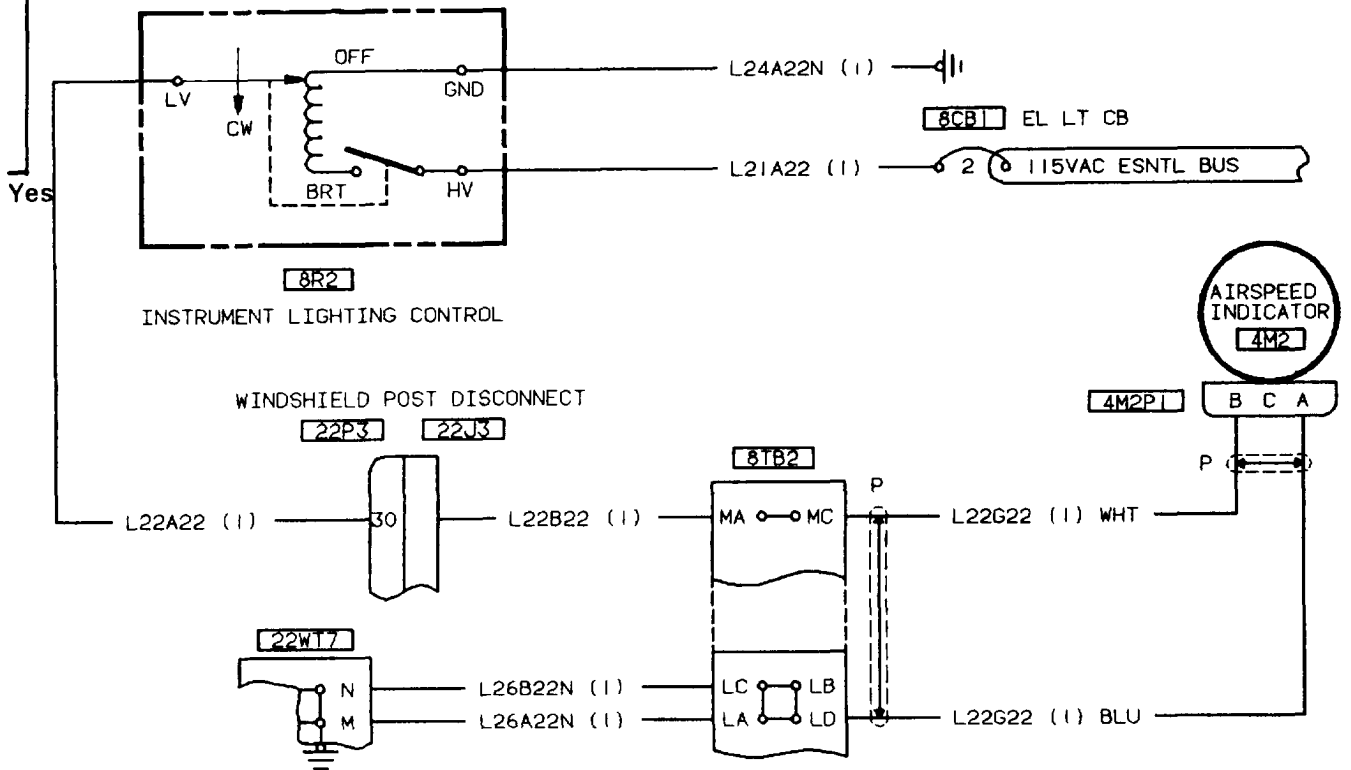
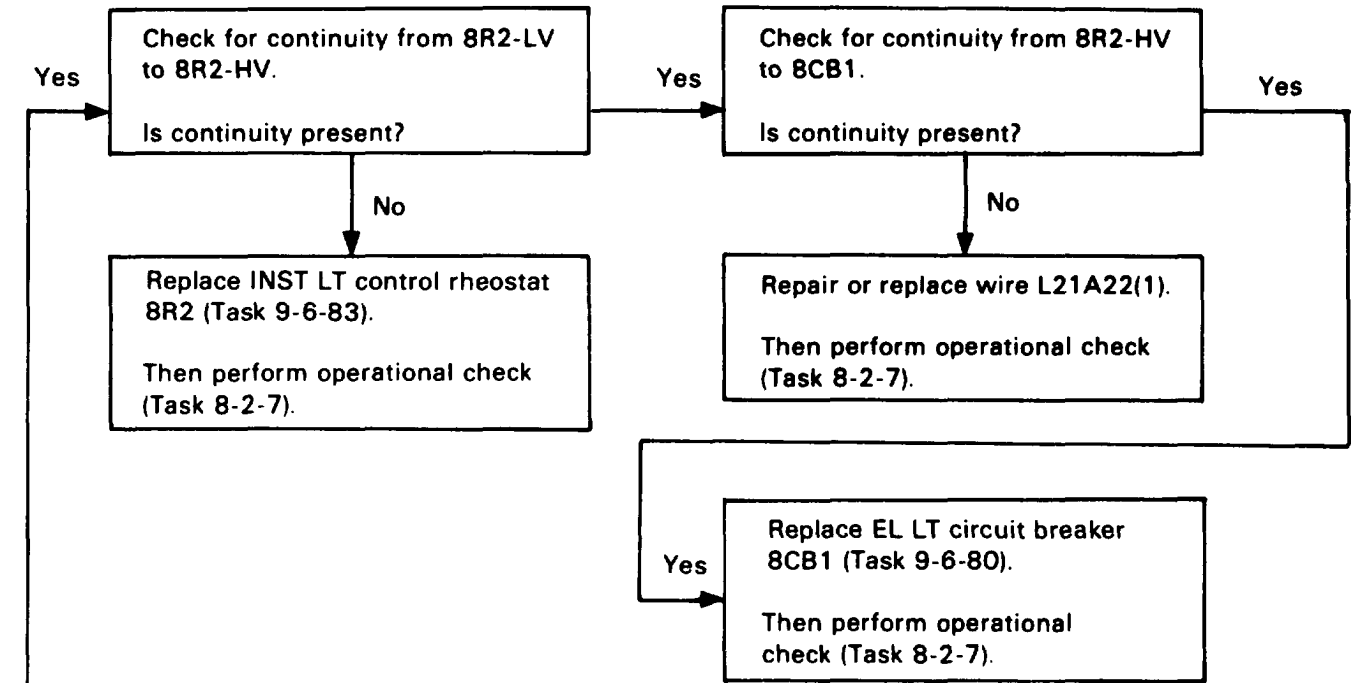


406475-302

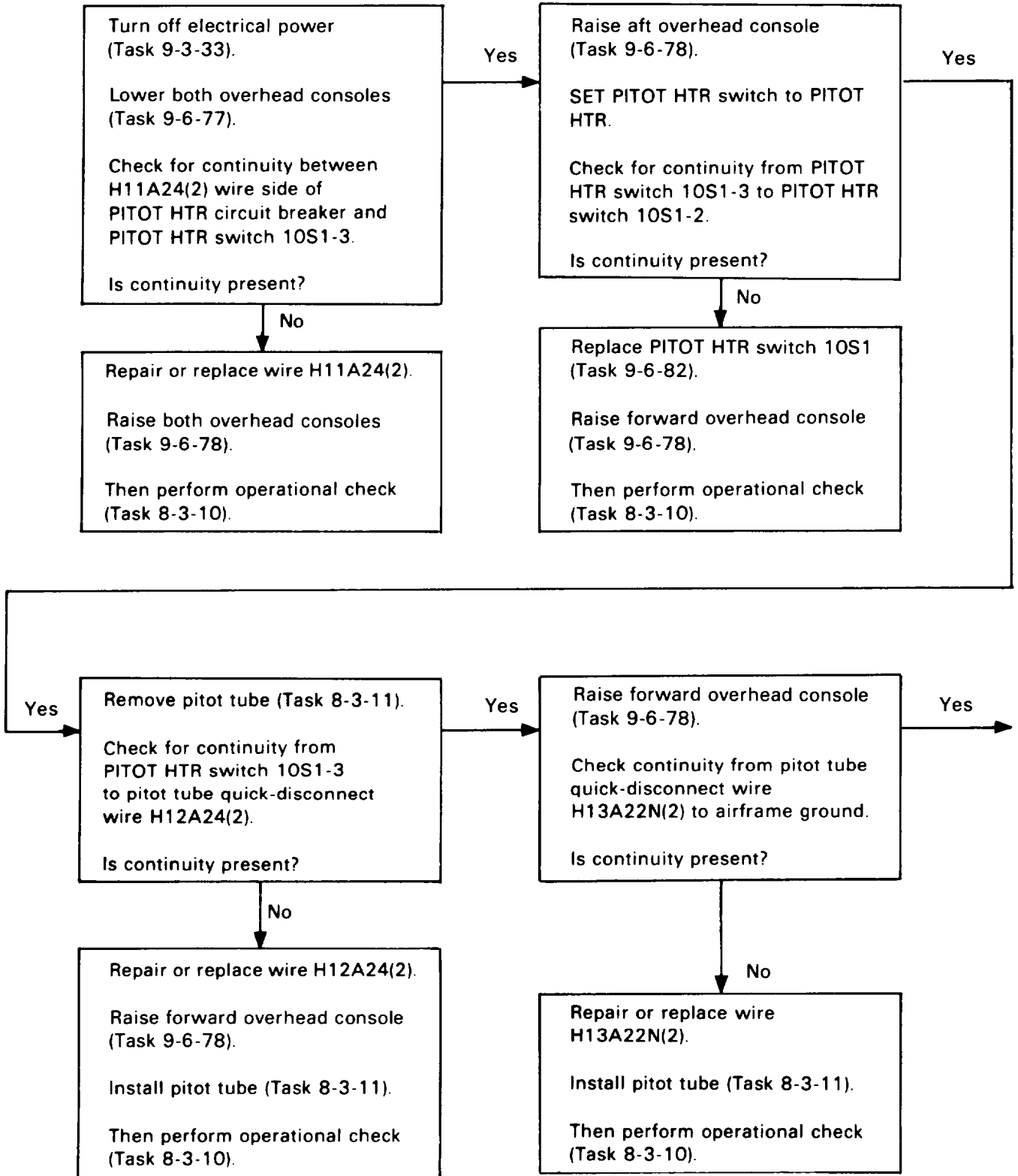
7. STANDBY AIRSPEED INDICATOR FAILS TO ILLUMINATE



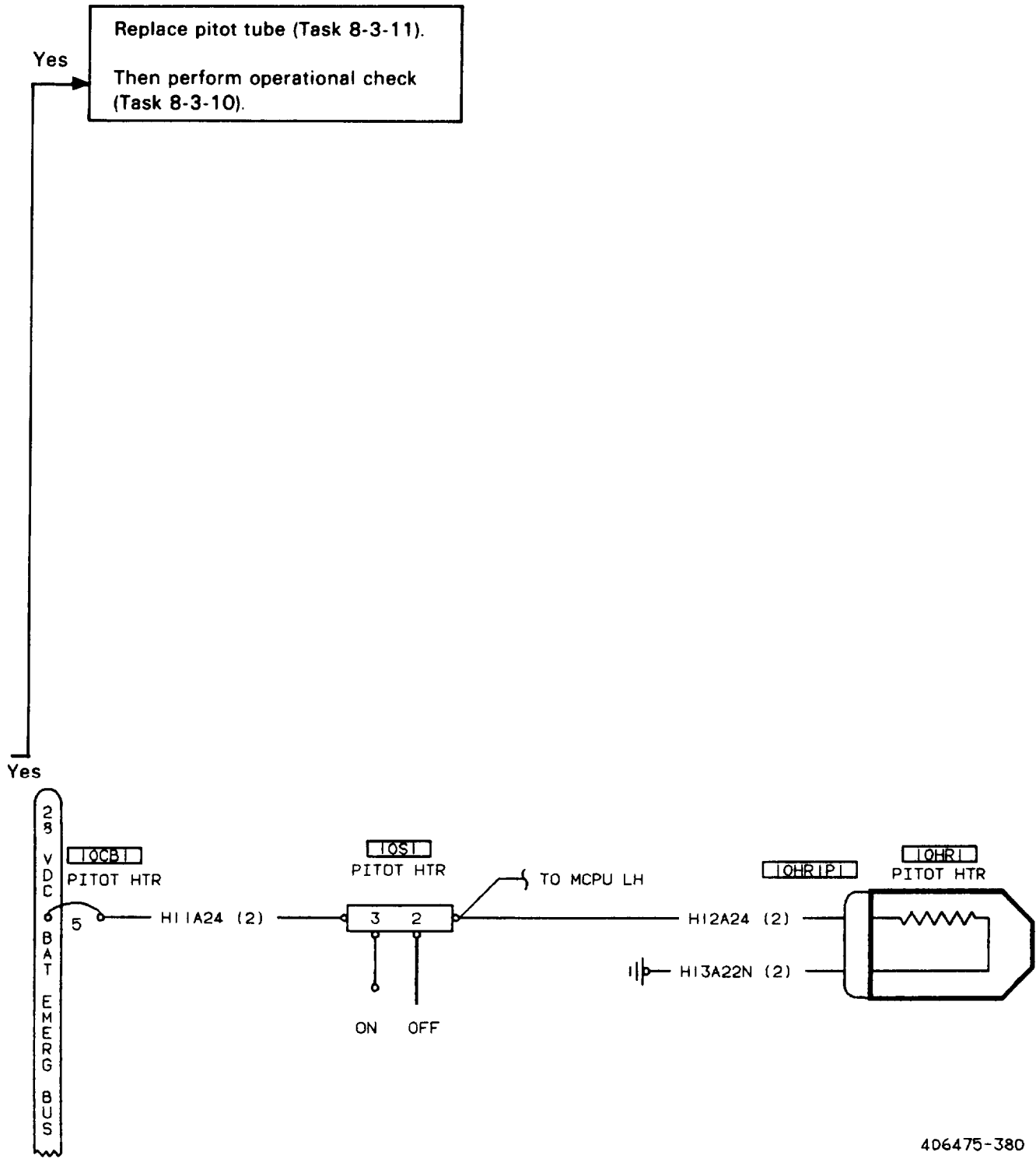
7. STANDBY AIRSPEED INDICATOR FAILS TO ILLUMINATE (CONT)



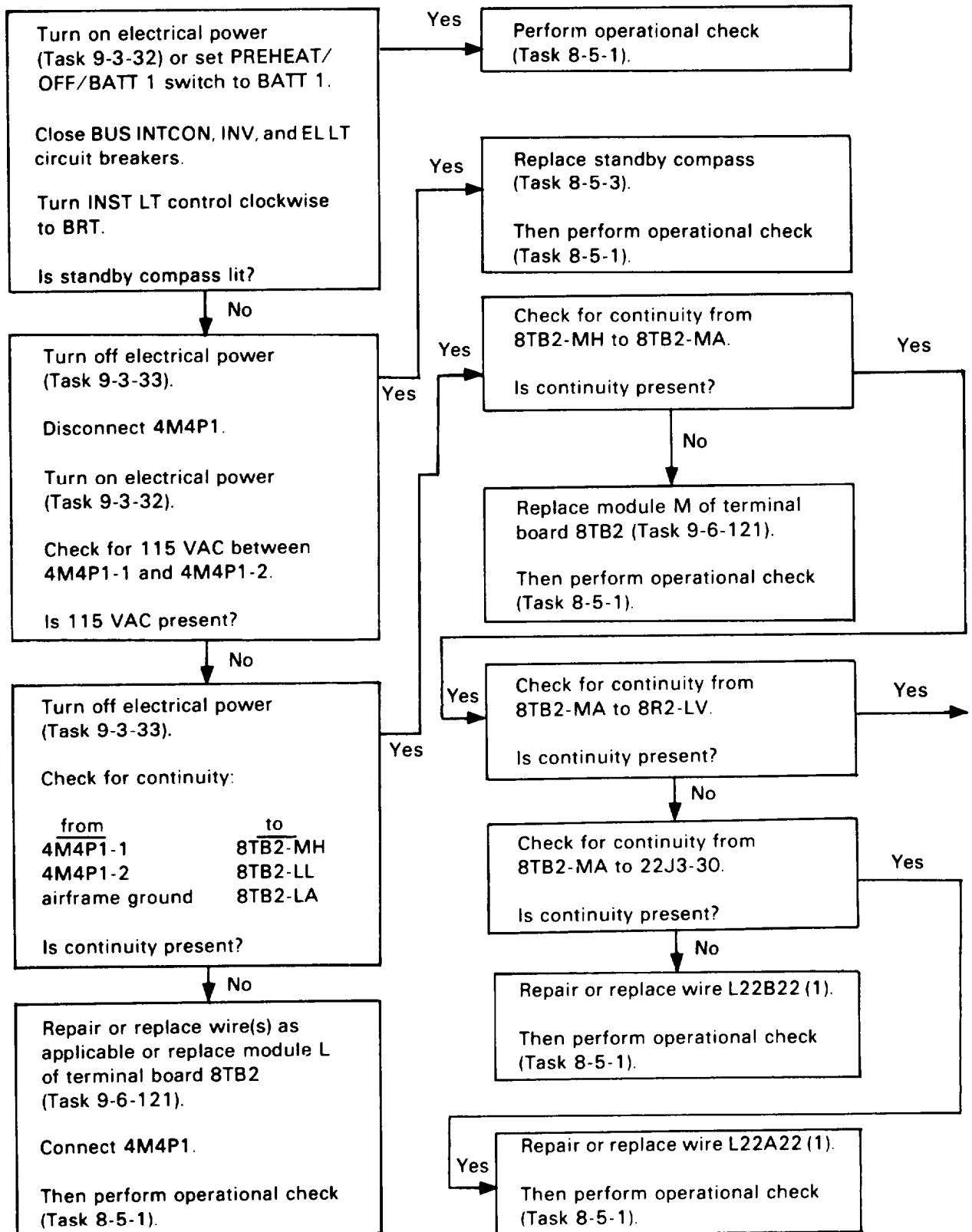
8. PITOT TUBE DOES NOT GET HOT



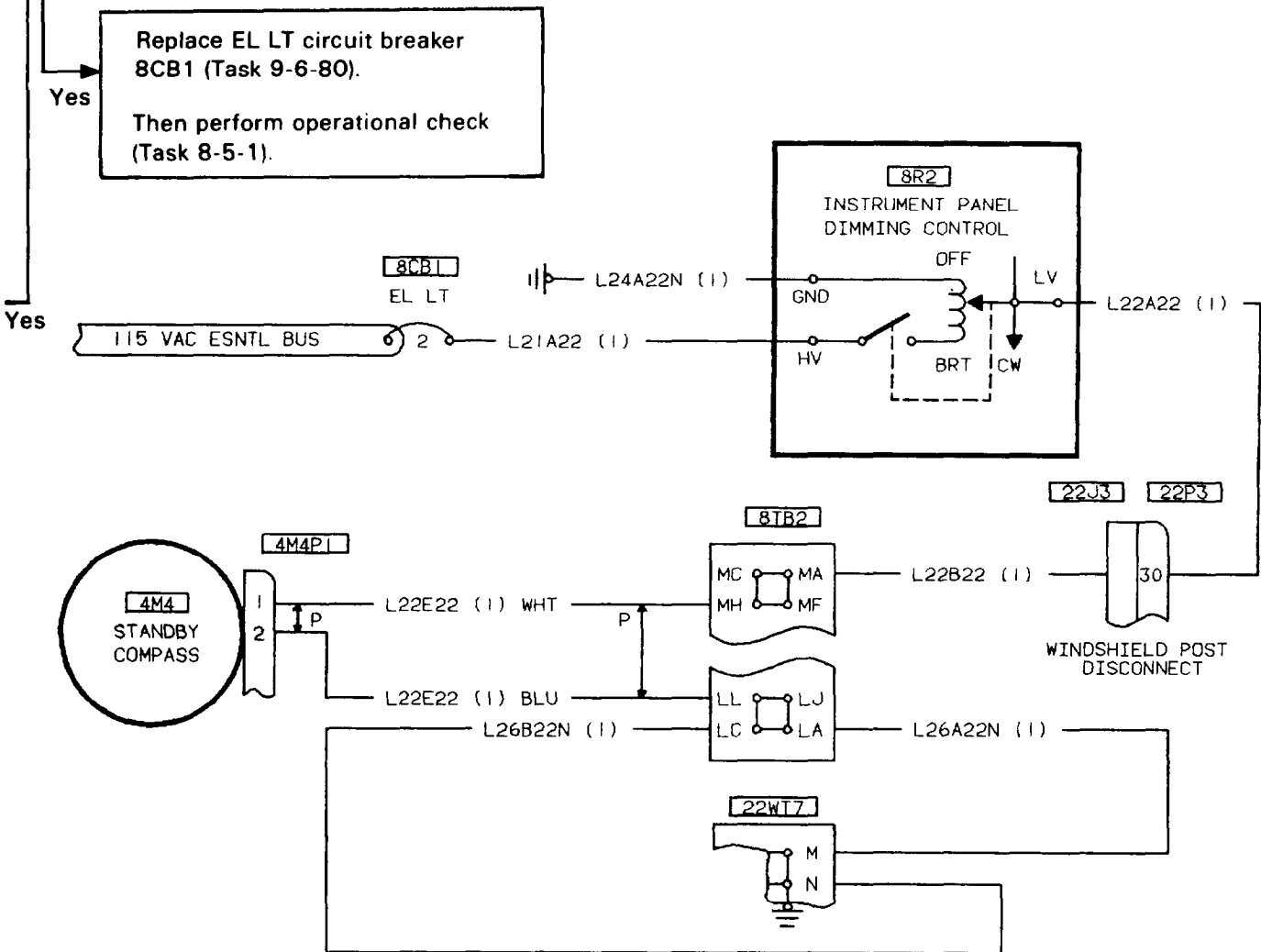
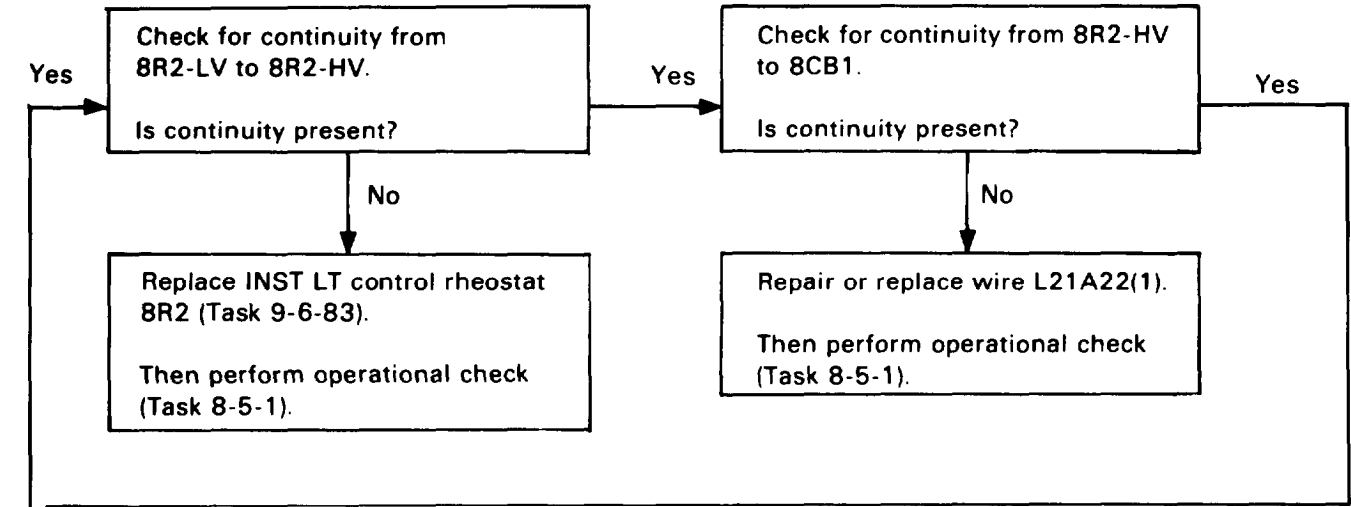
8. PITOT TUBE DOES NOT GET HOT (CONT)



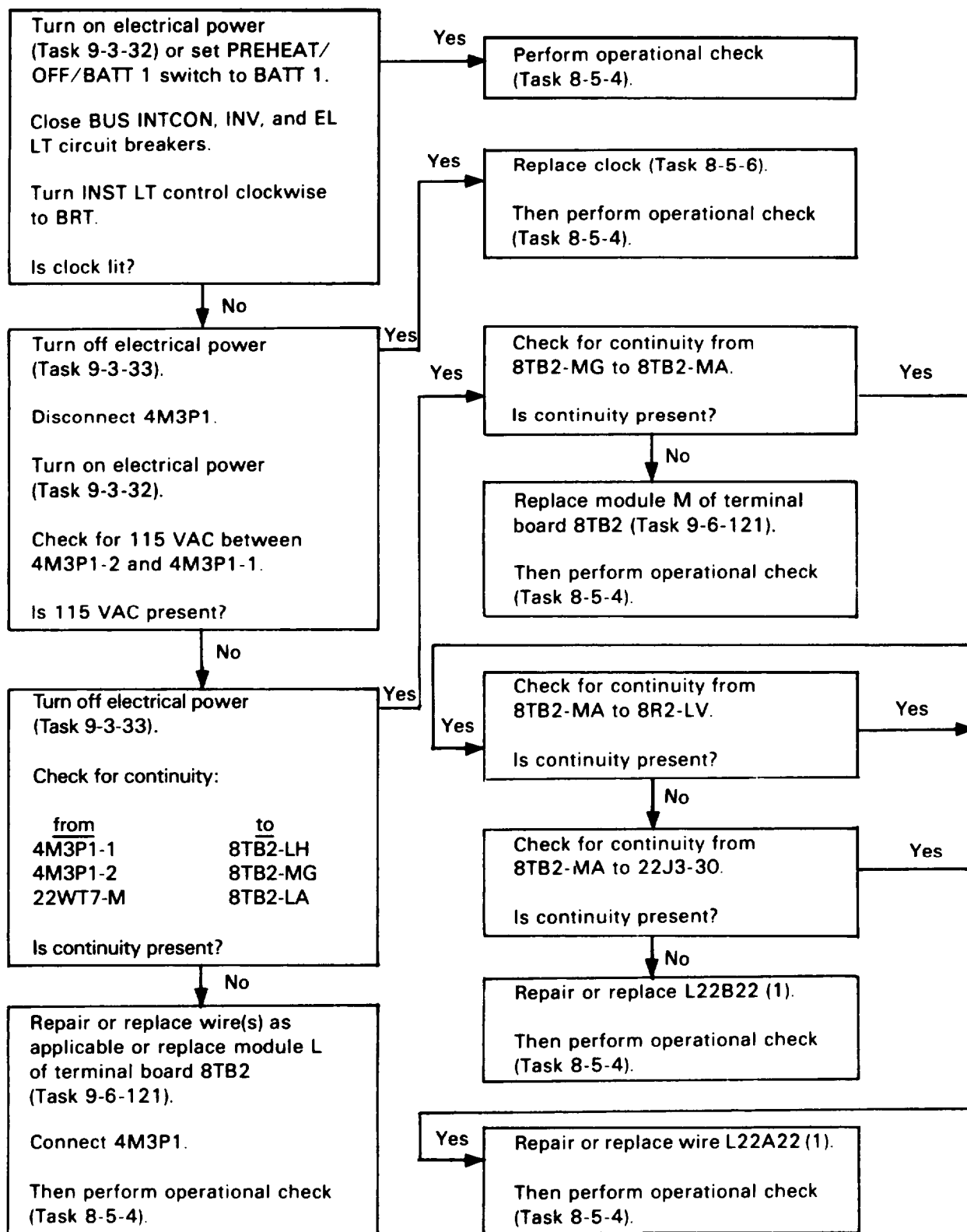
9. STANDBY COMPASS FAILS TO ILLUMINATE



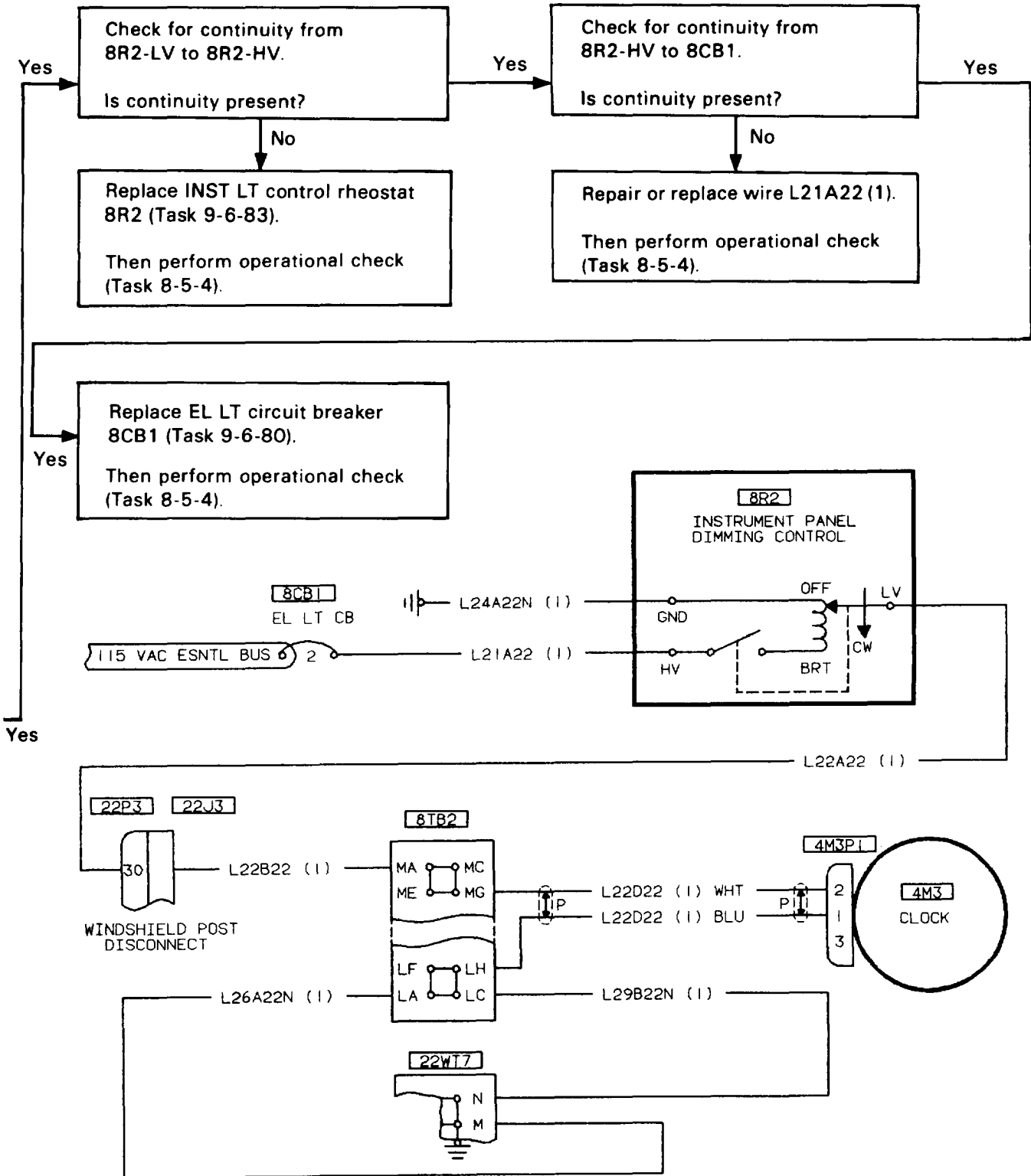
9. STANDBY COMPASS FAILS TO ILLUMINATE (CONT)



10. CLOCK FAILS TO ILLUMINATE



10. CLOCK FAILS TO ILLUMINATE (CONT)



406475-375

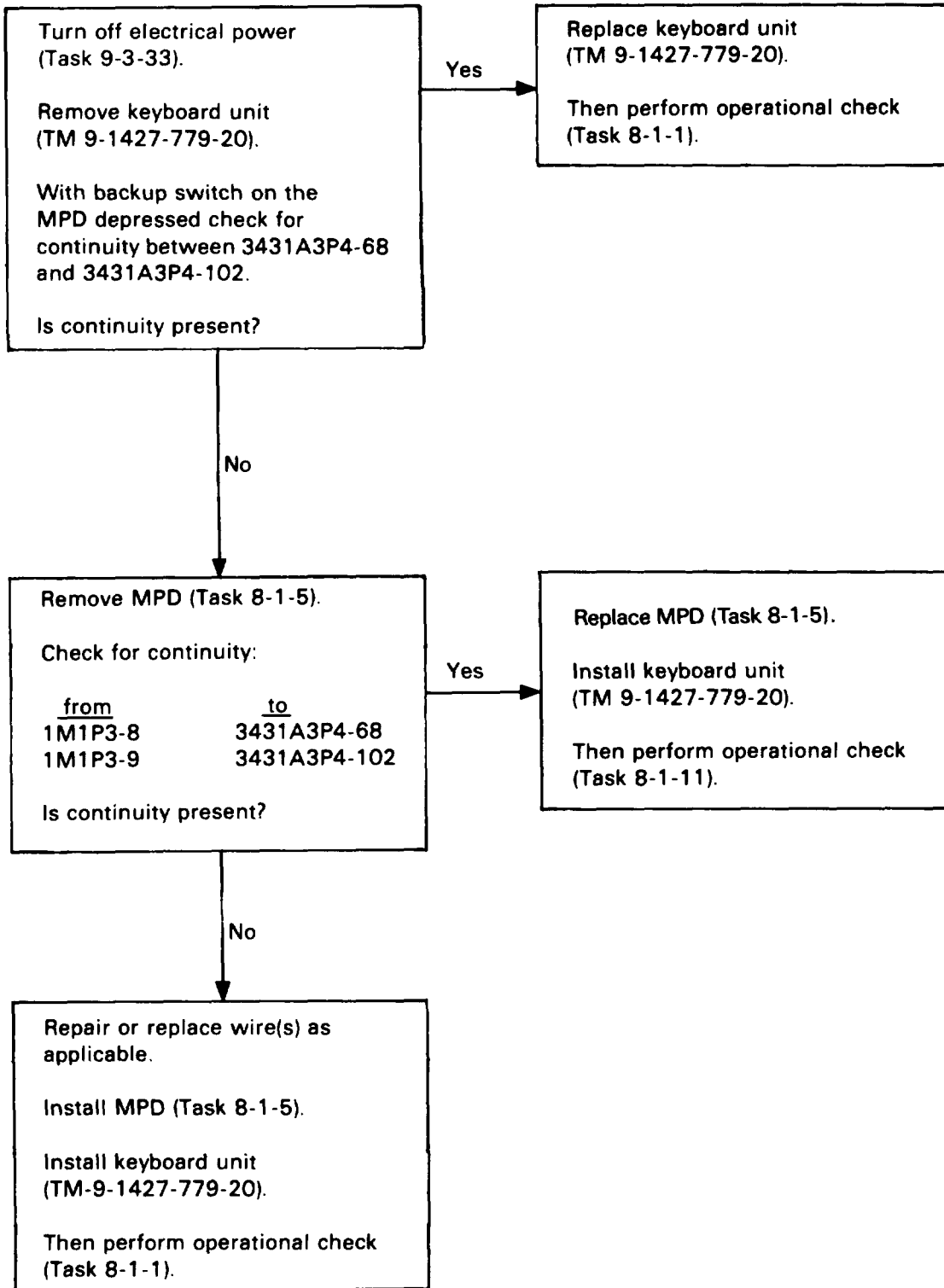
11. STANDBY ALTIMETER POINTER STICKS

Turn off electrical power
(Task 9-3-33).

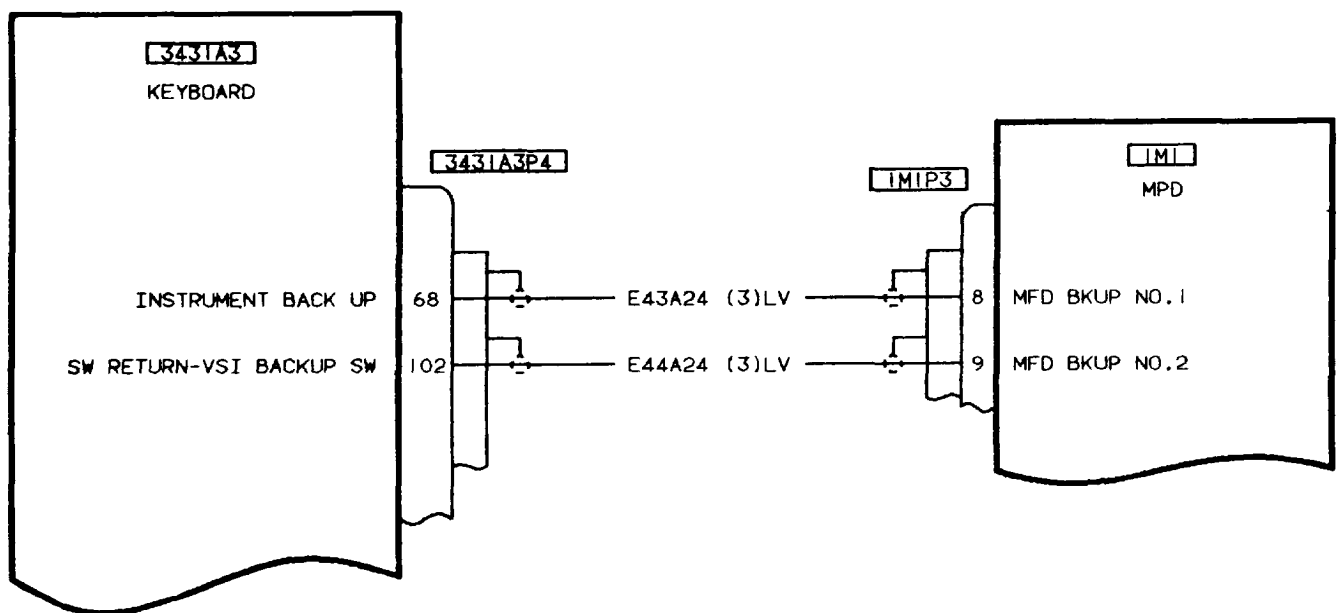
Replace standby altimeter
(Task 8-2-3).

Then perform operational check
(Task 8-3-1).

12. MFD DOES NOT INDICATE RPM AND TRQ READINGS WITH BACKUP SWITCH DEPRESSED

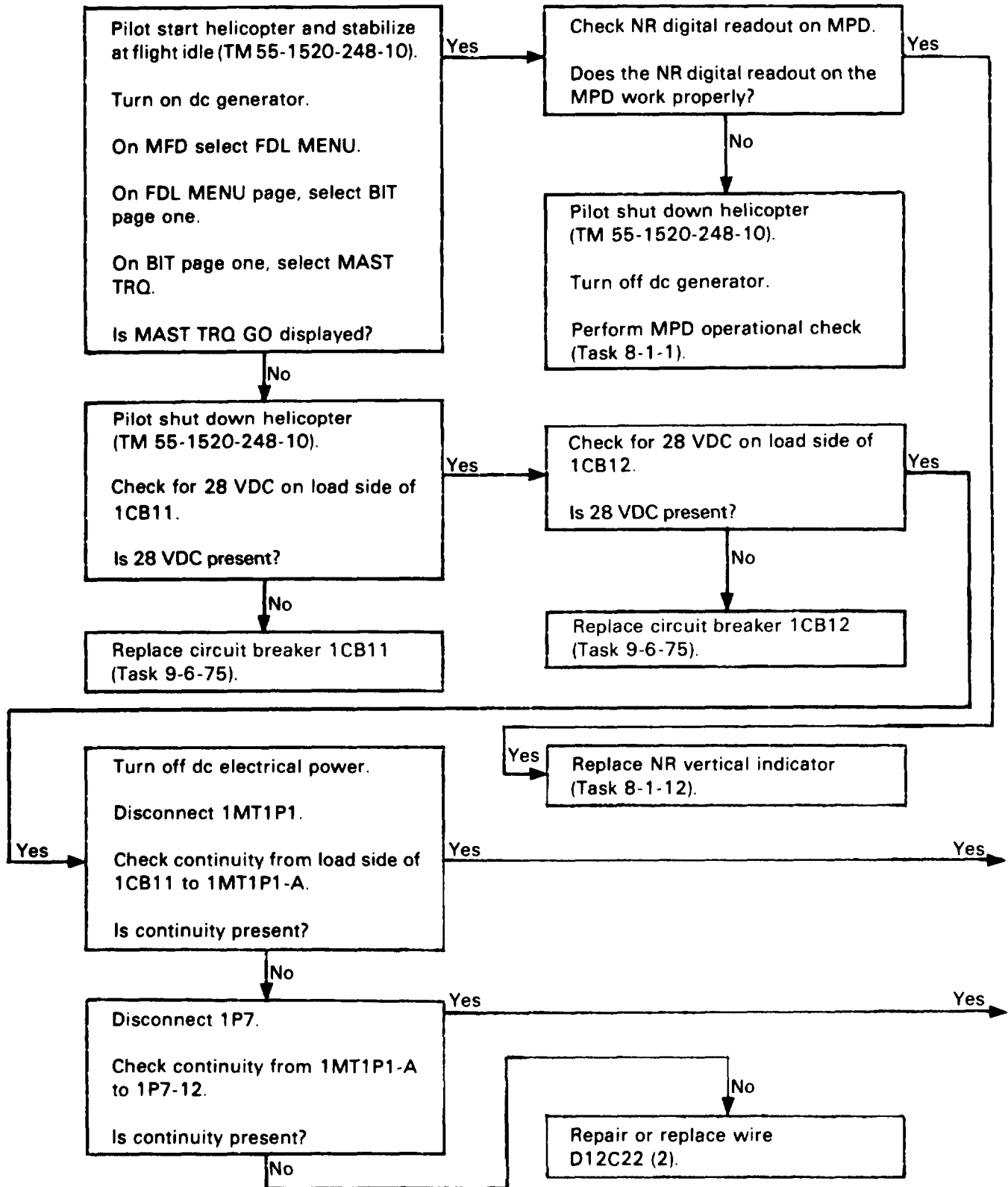


12. MFD DOES NOT INDICATE RPM AND TRQ READINGS WITH BACKUP SWITCH DEPRESSED (CONT)

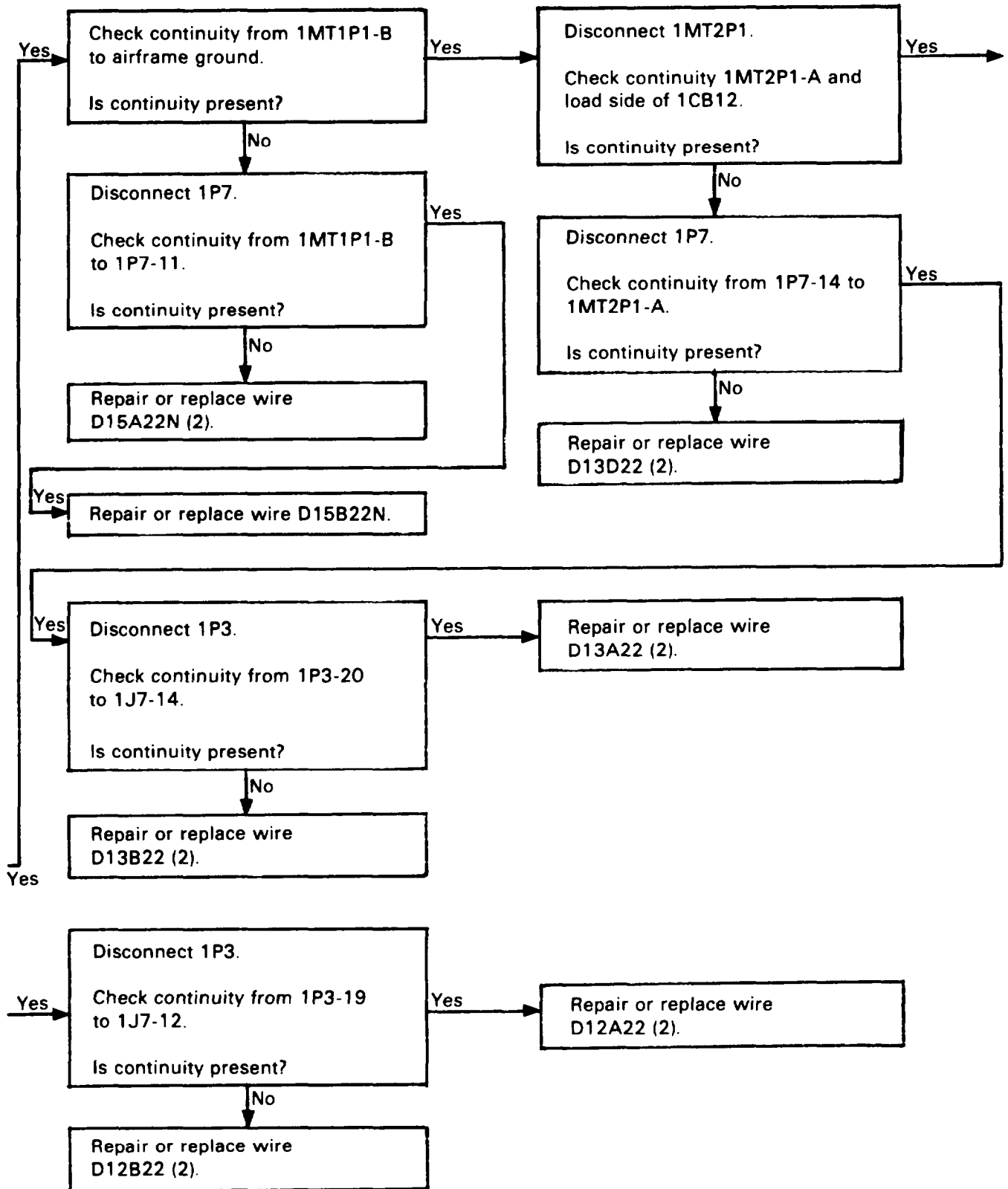


406475-374
H2086

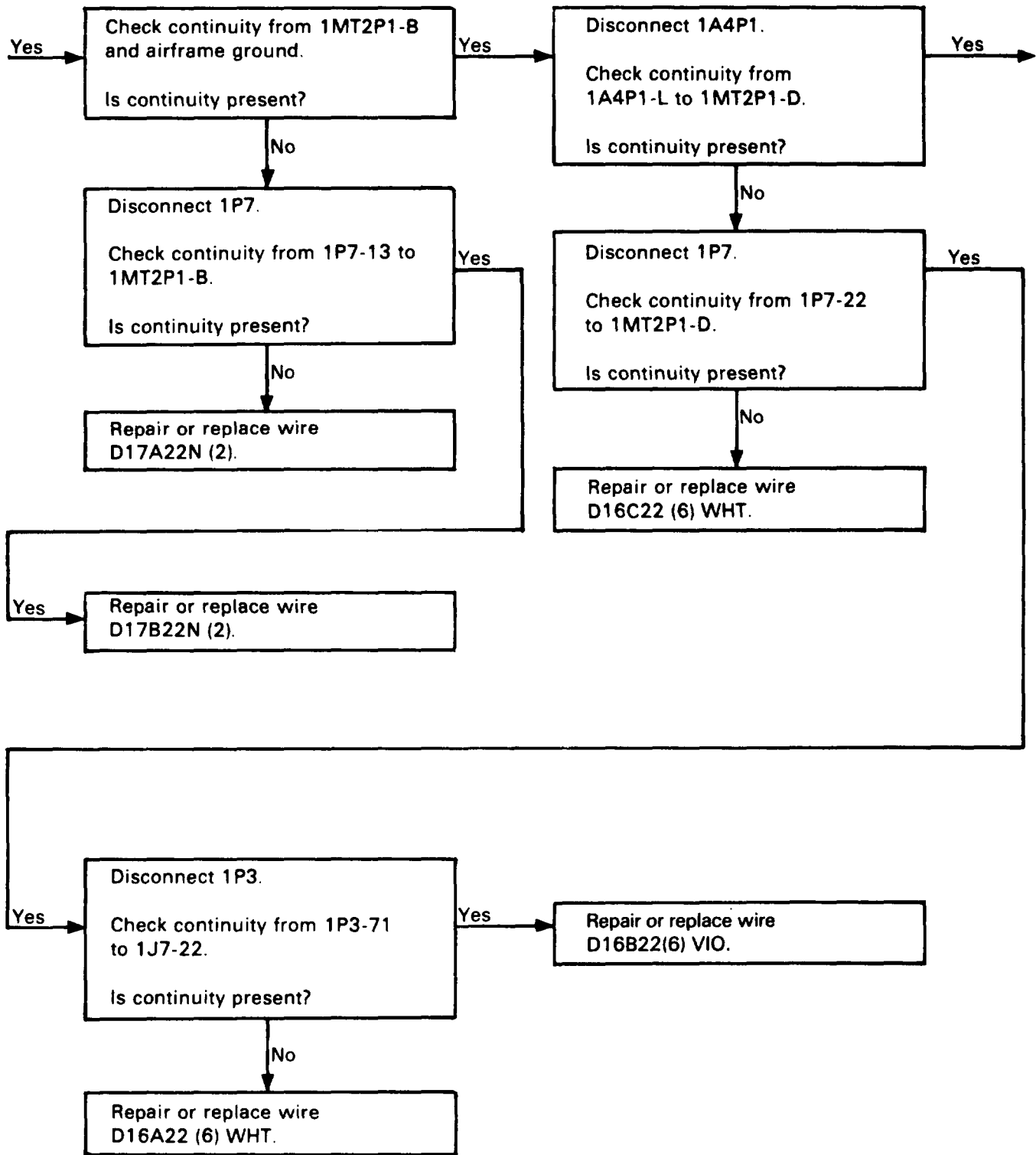
13. NR VERTICAL INDICATOR DOES NOT WORK PROPERLY AND MAST TORQUE INOP



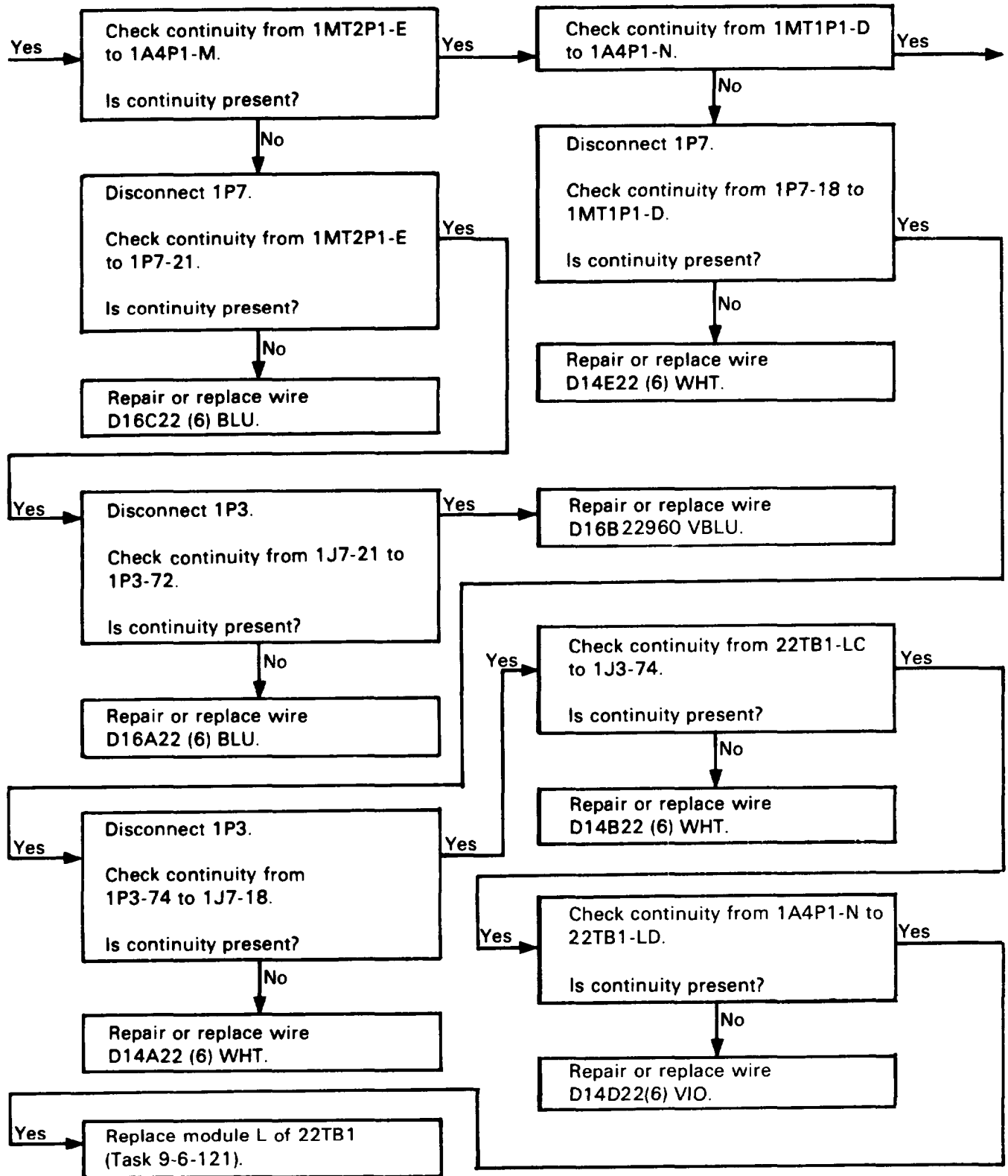
13. NR VERTICAL INDICATOR DOES NOT WORK PROPERLY AND MAST TORQUE INOP (CONT)



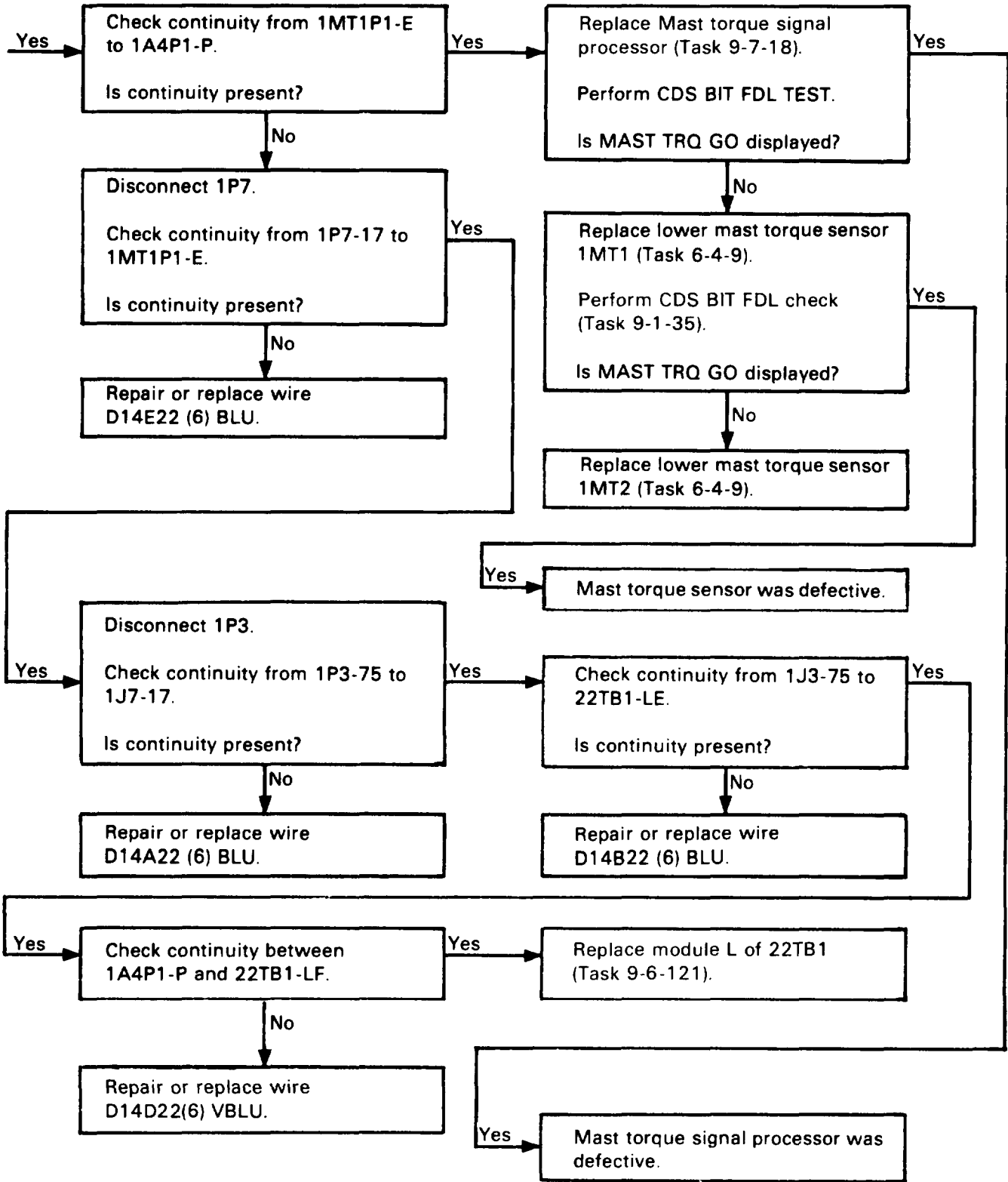
13. NR VERTICAL INDICATOR DOES NOT WORK PROPERLY AND MAST TORQUE INOP (CONT)



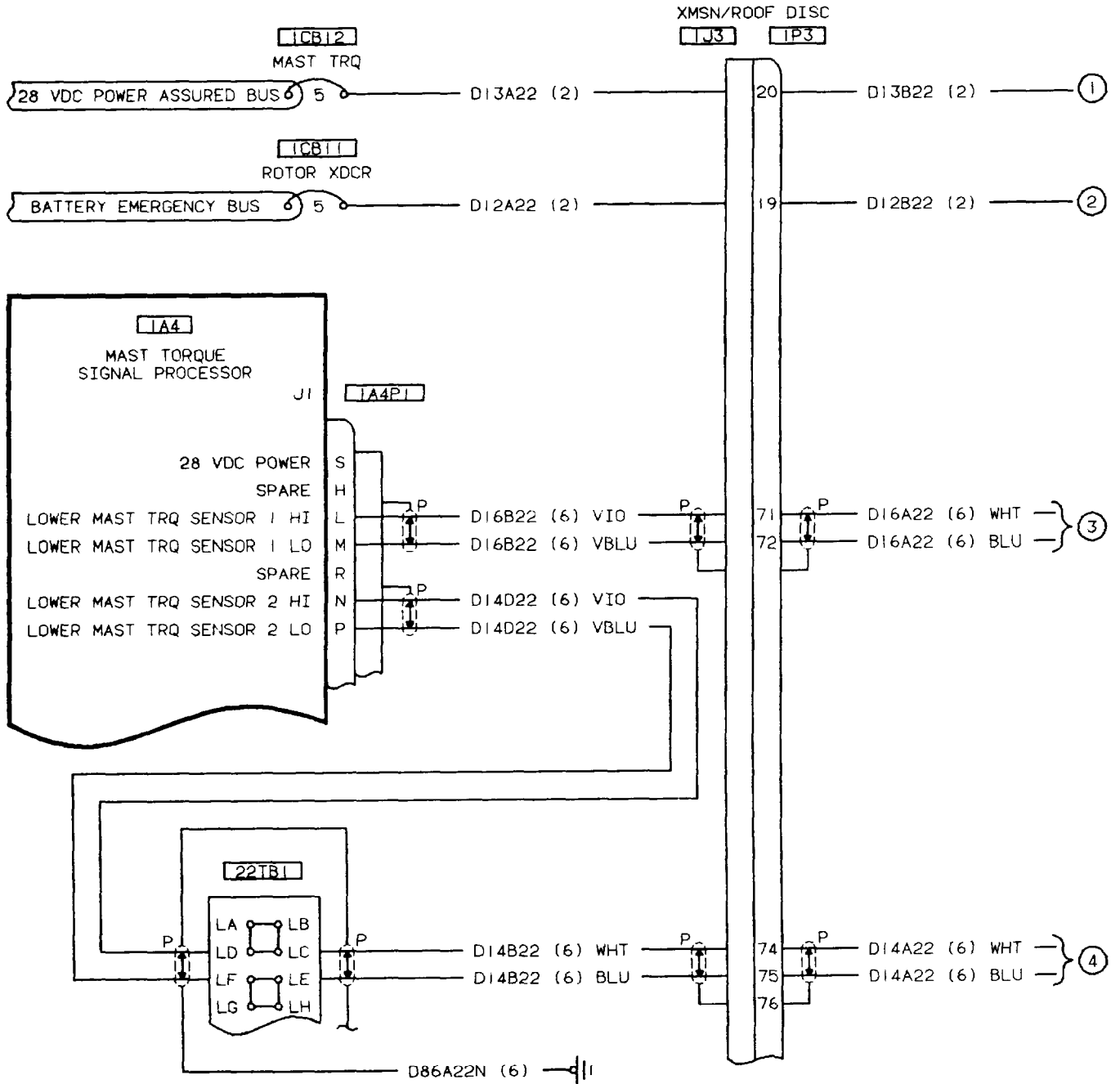
13. NR VERTICAL INDICATOR DOES NOT WORK PROPERLY AND MAST TORQUE INOP (CONT)



13. NR VERTICAL INDICATOR DOES NOT WORK PROPERLY AND MAST TORQUE INOP (CONT)

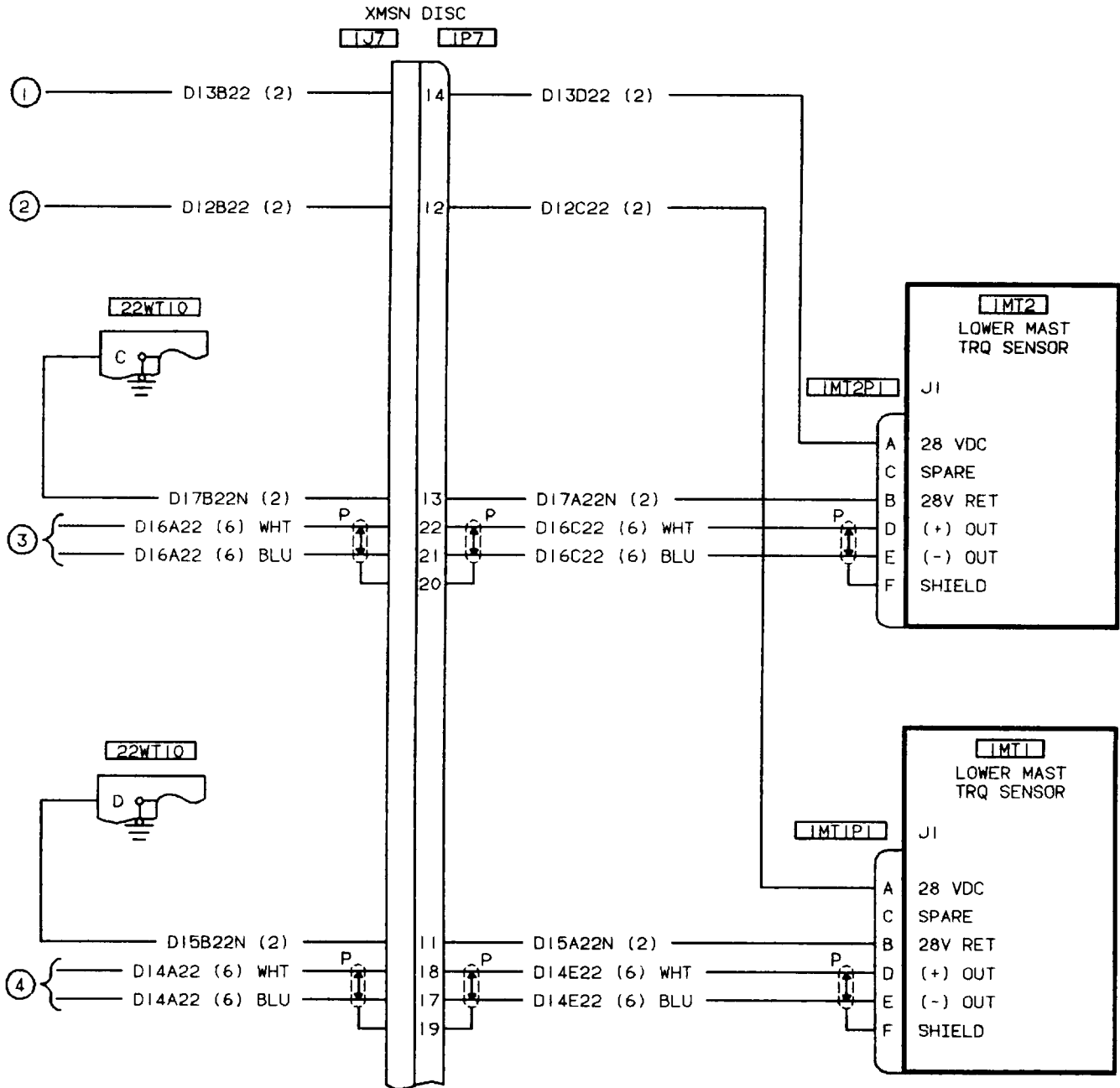


13. NR VERTICAL INDICATOR DOES NOT WORK PROPERLY AND MAST TORQUE INOP (CONT)

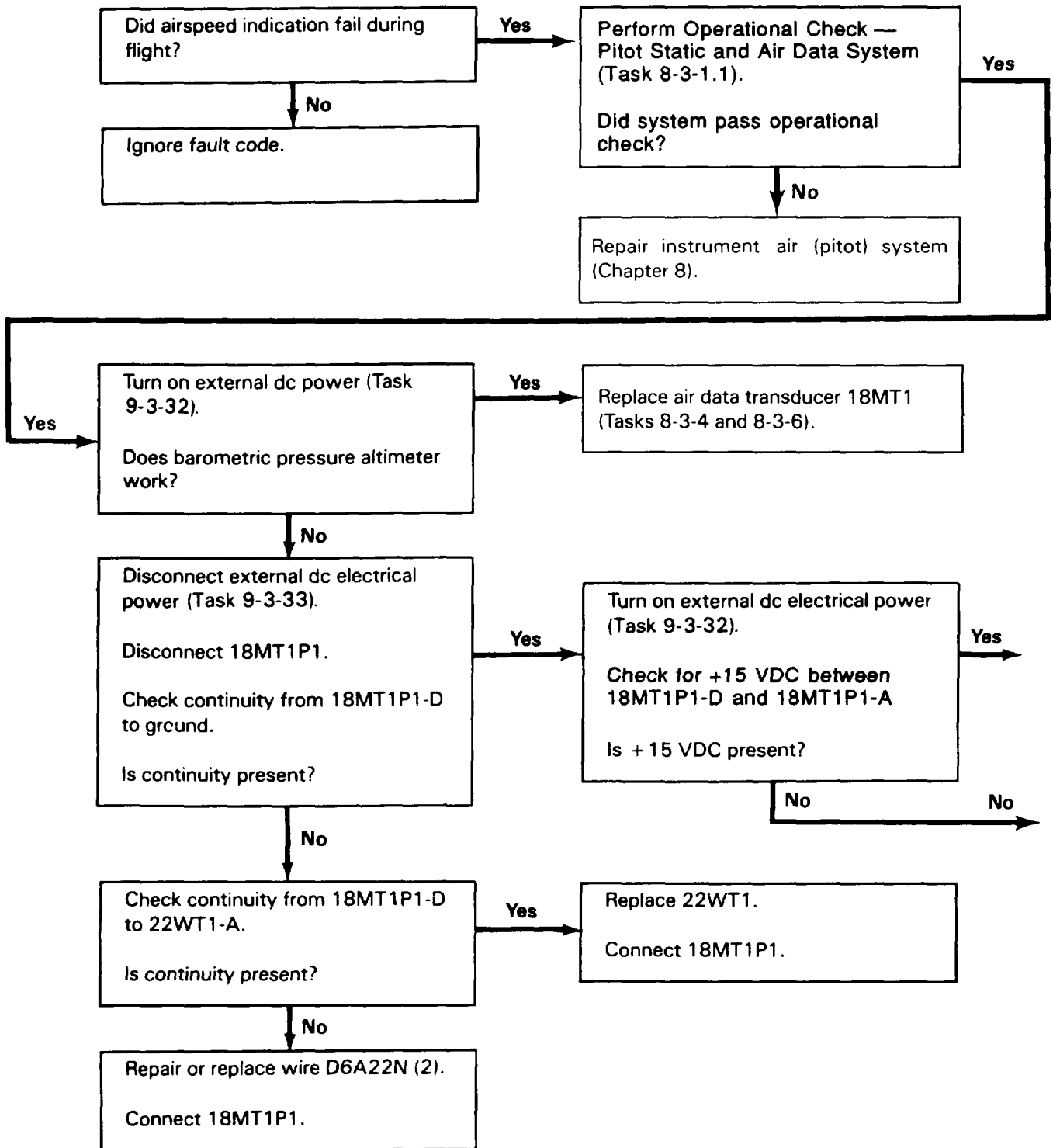


406475-376-1

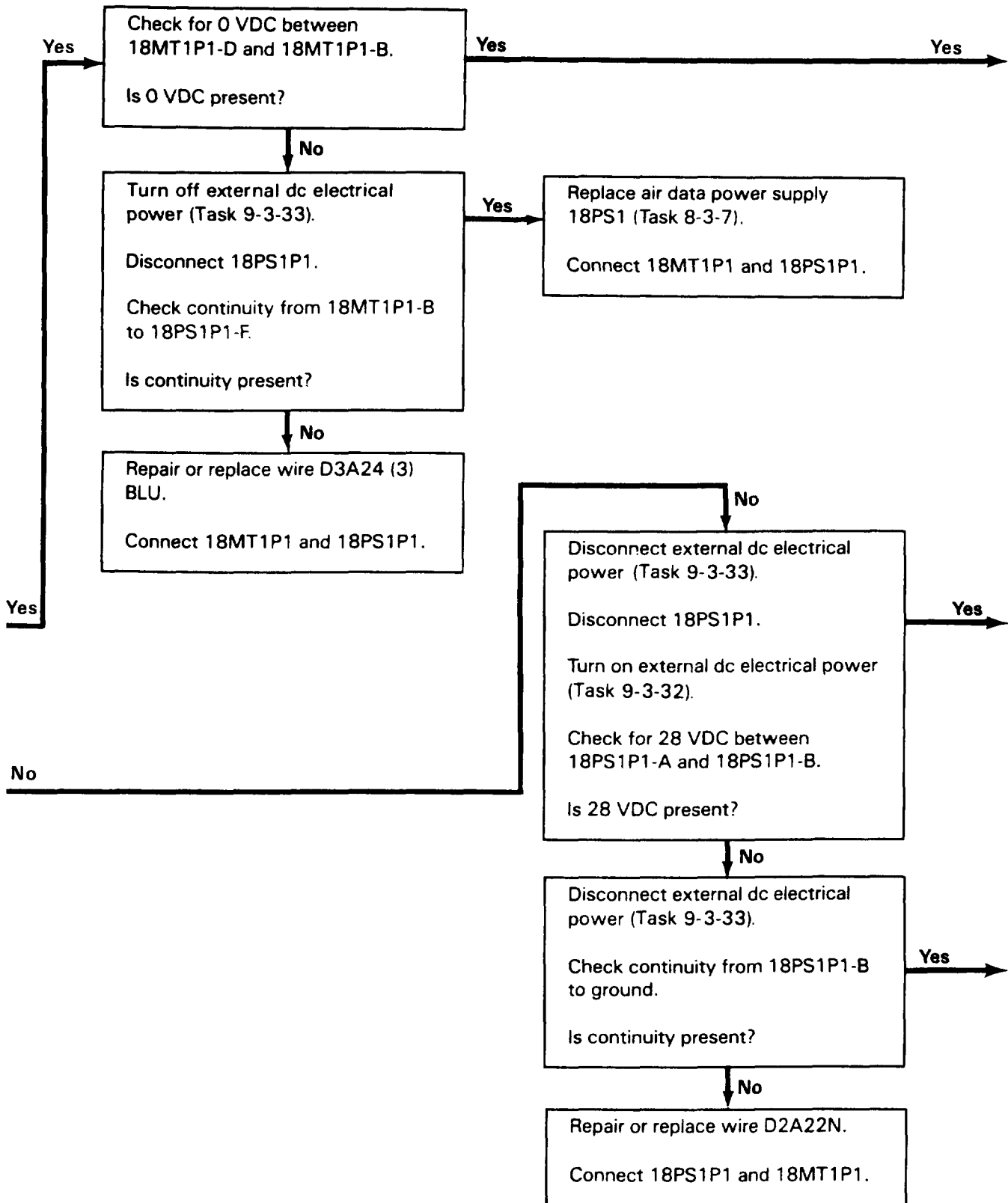
13. NR VERTICAL INDICATOR DOES NOT WORK PROPERLY AND MAST TORQUE INOP (CONT)



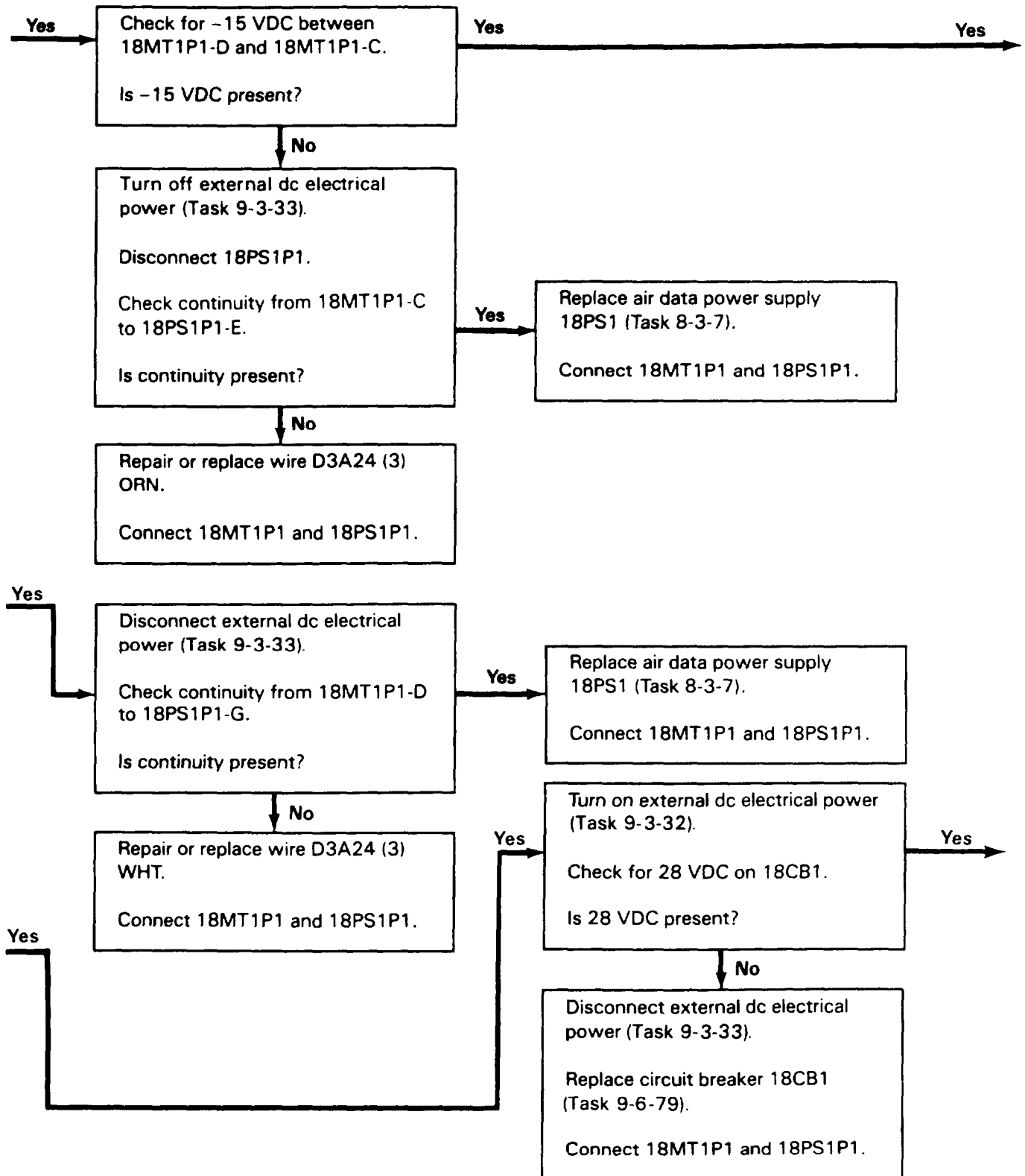
14. AIRSPEED INPUT INVALID



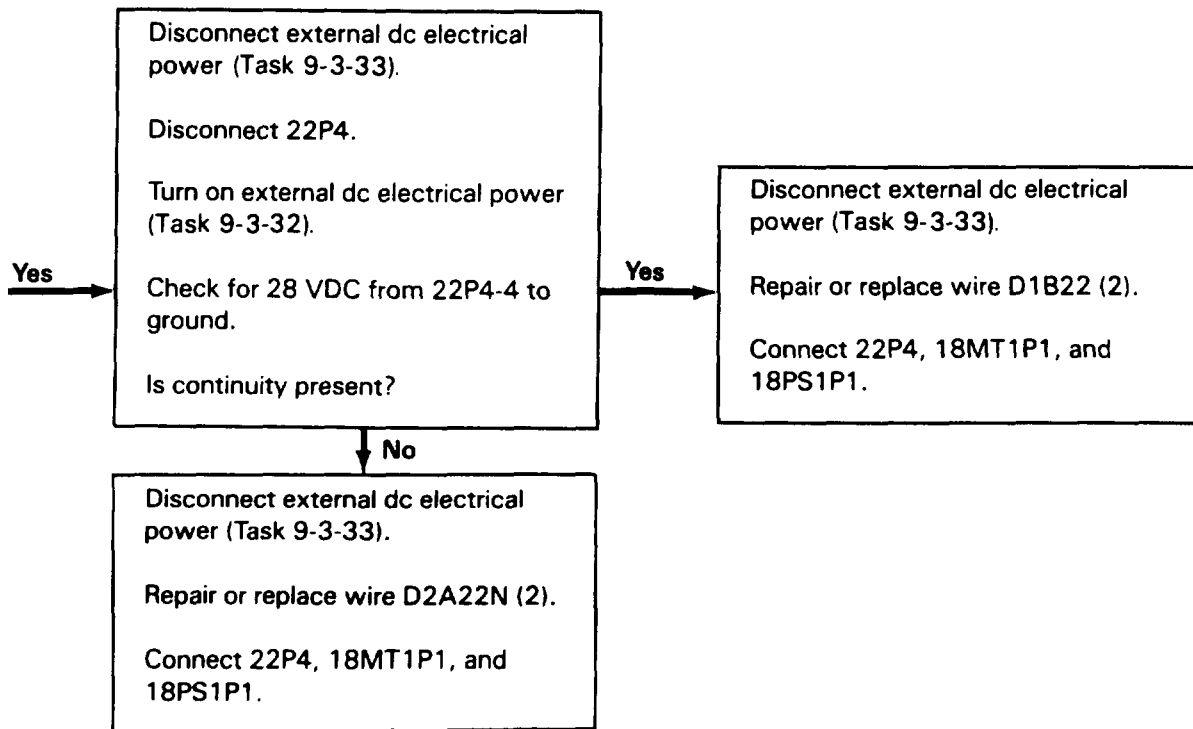
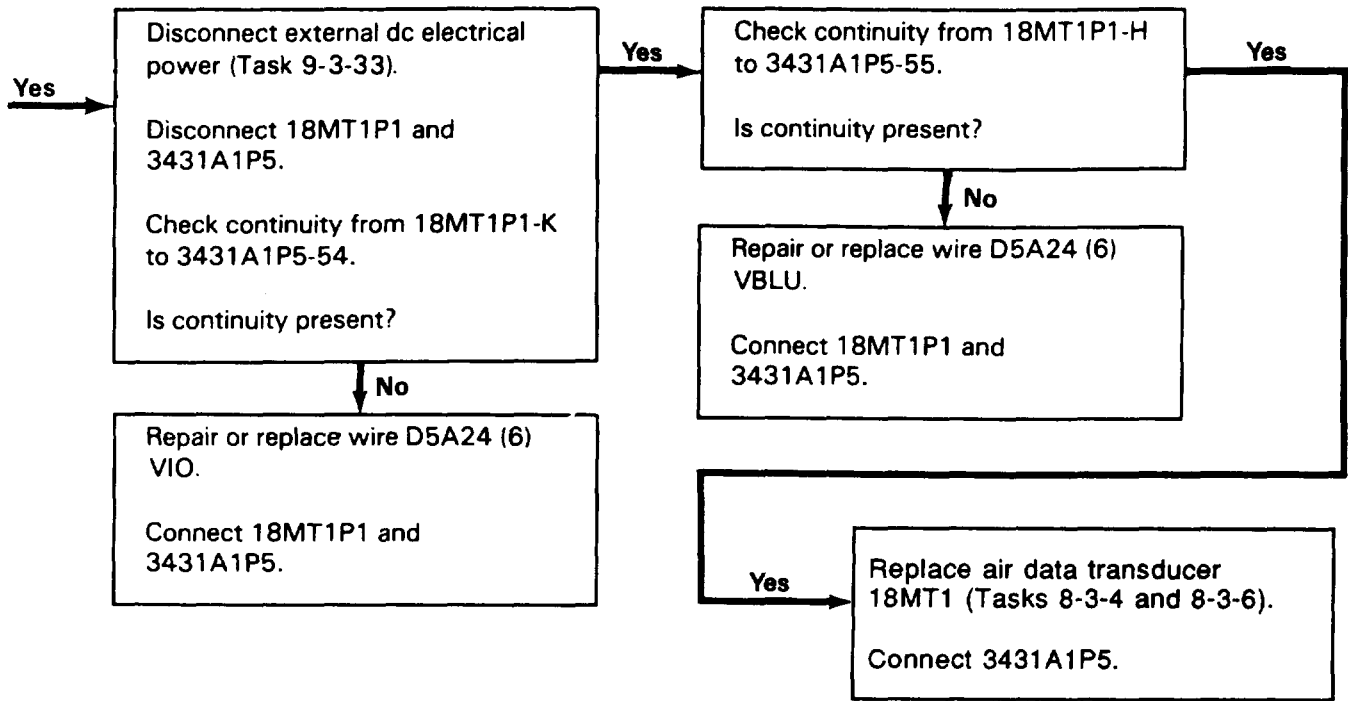
14. AIRSPEED INPUT INVALID (CONT)



14. AIRSPEED INPUT INVALID (CONT)



14. AIRSPEED INPUT INVALID (CONT)



Section IV. ELECTRICAL SYSTEM (CHAPTER 9)

MAPS NUMBER	SYMPTOM	PAGE NUMBER
NOTE		
The task number referenced in the symptom is the related operational check in Chapter 9.		
1.	AC generator comes on before rotor rpm reaches 93-96 percent. (Task 9-1-29)	N-70
2.	AC generator remains on when rotor rpm is between 88 and 91 percent (Task 9-1-29)	N-71
3.	AC generator will not come on line when rotor rpm is between 93 and 96 percent. (Task 9-1-29)	N-72
4.	AC GEN FAIL message not displayed on MFD (at flight idle). (Task 9-1-29)	N-83
5.	BATT PREHEAT ON not displayed on MFD (external ac power on and jumper between pins 1 and 3 of connector 2BT2P2). (Task 9-1-33)	N-84
6.	Advisory EXT PWR not displayed on MFD (external ac power in use) (Task 9-1-37)	N-85
7.	Advisory EXT PWR not displayed on MFD (external dc power in use). (Task 9-1-38)	N-86
8.	Advisory PITOT HEAT ON message not displayed on MFD with PITOT HEAT switch on. (Task 9-1-36)	N-87
9.	Avionics compartment blower does not operate. (Task 9-1-36)	N-89
10.	Avionics compartment blower not controlled by temperature sensing switches. (Task 9-1-36)	N-92
11.	Battery 1 preheat light not lit during press-to-test (Task 9-1-32)	N-94
12.	Battery 1 preheat light is lit at temperature above -10°F. (Task 9-1-32)	N-95
13.	Battery 1 voltage not at connector 2BT1J2-15. (Task 9-1-32)	N-96
14.	MFD initial page time function is not counting up in time. (Task 9-1-34)	N-97
15.	Battery 2 preheat light is not lit in press-to-test. (Task 9-1-33)	N-98
16.	Battery 2 preheat light comes on at a temperature above -10°F. (Task 9-1-33)	N-100
17.	Battery 2 will not come on (BATT 2 switch is set to BATT 2). (Task 9-1-33)	N-101

MAPS NUMBER	SYMPTOM	PAGE NUMBER
18.	BATT PREHEAT ON not displayed on MFD (external power on and jumper between pins 1 and 3 of connector 2BT1P2). (Task 9-1-32)	N-105
19.	Battery voltage not found at 2BT2P2- 15. (Task 9-1-33)	N-106
20.	MPD CPO circuit breaker does not turn on CPO MFD (BATT 1 switch set to BATT 1). (Task 9-1-32)	N-107
21.	Left defog blower does not operate. (Task 9-1-36)	N-109
22.	Right defog blower does not operate (during BATTERY No. 1). (Task 9-1-36)	N-111
23.	CDS BIT provides NO GO error codes on MFD when checking MUX DATA BUS. (Task 9-1-41)	N-113
24.	DC GEN FAIL message not displayed on MFD (DC GEN switch set to OFF and engine rpm at 100%). (Task 9-1-42)	N-120
25.	External dc power does not come on. (Task 9-1-38)	N-121
26.	External de power does not disconnect when dc generator is turned on. (Task 9-1-42)	N-129
27.	External ac power comes on, but no indication above ACV on MPD. (Task 9-1-38)	N-130
28.	External dc power comes on, but no indication above BATT V on MPD. (Task 9-1-38)	N-131
29.	External dc power on, but no voltage present on BATTERY EMERGENCY BUS. (Task 9-1-38)	N-133
30.	Generator not off line at 18 volts (engine rpm is being reduced). (Task 9-1 -42)	N-135
31.	Generator will not trip off line with simulated feeder fault. (Task 9-1-42)	N-136
32.	Generator will not come on line (reset has been attempted). (Task 9-1-42)	N-138
33.	Heater solenoid valve will not close. (Task 9-1-36)	N-145
34.	Heater solenoid valve will not open. (Task 9-1-36)	N-148
35.	HOT BATT 1 caution message not displayed on MFD (external power and jumper between pins 1 and 2 of connector 2BT1P2). (Task 9-1-32)	N-152
36.	HOT BATT 1 message not displayed on MFD. (Task 9-1-33)	N-153
37.	HOT BATT 2 message not displayed on MFD. (Task 9-1-33)	N-154

MAPS NUMBER	SYMPTOM	PAGE NUMBER
38.	Keyboard has no response on OPERATOR CHECKS page during SWITCH CHECK. (Task 9-1-34)	N-155
39.	MMS UP advisory message is not displayed on MFD and MMS FAIL is displayed. (Task 9-1-40)	N-156
40.	MFD BIT page, CDS fault CODE 01 is displayed (right MCPU failed). (Task 9-1-34)	N-169
41.	MFD BIT page, CDS fault CODE 02 is displayed (left MCPU failed). (Task 9-1-34)	N-171
42.	MFD BIT page, CDS fault CODE 04 is displayed (keyboard unit failed). (Task 9-1-34)	N-173
43.	MFD BIT page, CDS fault CODE 10 is displayed (right MFD failed). (Task 9-1-34)	N-175
44.	MFD BIT page, CDS fault CODE 12 is displayed (left MFD failed). (Task 9-1-34)	N-177
45.	MFD CPO circuit breaker does not turn on CPO MFD (dc external power on) (Task 9-1-38)	N-178
46.	MFD (CPO) key has no response during SWITCH CHECK. (Task 9-1-34)	N-185
47.	MFD does not display initial page on power up, and image is not legible and clear. (Task 9-1-34)	N-187
48.	MFD initial page does not display MMS ON. (Task 9-1-40)	N-190
49.	MFD PLT circuit breaker will not stay closed, (Task 9-1-34)	N-194
50.	MFD test pattern display absent or incorrect. (Task 9-1-34)	N-197
51.	MFD SWITCH CHECK function cannot be disabled. (Task 9-1-34)	N-198
52.	MPD does not display battery 2 voltage (BATT 2 switch set to BAIT 2). (Task 9-1-33)	N-199
53.	MPD does not display battery 1 voltage (BATT 1 switch set to BATT 1). (Task 9-1-32)	N-201
54.	Pitch rate sensor failure CODE 21 is displayed on MFD. (Task 9-1-42)	N-203
55.	Pitot tube will not heat. (Task 9-1-36)	N-206
56.	RECT FAIL caution message not displayed on MFD (RECT circuit breaker open and ac and dc external power applied). (Task 9-1-43)	N-208
57.	RFD test pattern absent in DISPLAY CHECK. (Task 9-1-34)	N-211

MAPS NUMBER	SYMPTOM	PAGE NUMBER
58.	Right defog blower does not operate. (Task 9-1-36)	N-214
59.	Roll rate sensor failure CODE 22 is displayed on MFD. (Task 9-1-42)	N-216
60.	Starter voltage indication not present on MPD during start. (Task 9-1-42)	N-218
61.	Starter will not crank engine. (Task 9-1-42)	N-220
62.	Tone check test on MFD fails (MCPU L circuit breaker open) (Task 9-1-34)	N-227
63.	Tone check test on MFD fails (MCPU R circuit breaker open). (Task 9-1-34)	N-230
64.	Transformer-rectifier unit does not come on. (Task 9-1-43)	N-233
65.	Transformer-rectifier unit is on but no 24-30VDC indication above RECT V on MPD. (Task 9-1-43)	N-237
66.	Transformer-rectifier unit on (no percent load display on MPD). (Task 9-1-43)	N-240
67.	Vertical scale instrument test pattern incorrect during MFD DISPLAY CHECK. (Task 9-1-34)	N-242
68.	Tone check test on MFD fails (MCPU L circuit breaker open). (Task 9-1-34) (Task 9-1-42)	N-245
69.	Yaw rate sensor failure CODE 24 is displayed on MFD, (Task 9-1-42)	N-246
70.	Battery 1 half voltage (approximately) not present at connector 2BT1J2-9. (Task 9-1-32)	N-249
71.	Battery 2 half voltage (approximately) not present at connector 2BT2J2-9 (Task 9-1-33)	N-250
72.	Battery 1 will not come on (BATT 1 switch is set to BATT 1). (Task 9-1-32)	N-251
73.	MFD (pilot) key has no response during SWITCH CHECK. (Task 9-1-34)	N-255
74.	MFD does not come on (Battery 1 or Battery 2 on). (Task 9-1-4 and 9-1 -33)	N-257
75.	MFD CPO does not come on (BATT 2 switch set to BATT 2). (Task 9-1-33)	N-261
76.	MPD does not indicate 115 and particle separator does not operate (ac external power on), (Task 9-1-37)	N-262
77.	Starter-generator percent load does not appear on MPD, (Task 9-1-42)	N-271
78.	DC generator does not go off line (RPM below flight idle). (Task 9-1-42)	N-272
79.	Battery voltage does not increase at 2K2-A1 or 2K2-A2 (during charger-monitor operational check). (Task 9-1-31)	N-273

MAPS NUMBER	SYMPTOM	PAGE NUMBER
80.	Battery 1 will not stay connected to battery-generator bus at flight idle (during charger-monitor operational check). (Task 9-1-31)	N-274
81.	Battery 2 will not stay connected to battery-generator bus at flight idle (during charger-monitor operational check). (Task 9-1-31)	N-277
82.	Battery 1 or Battery 2 does not disconnect from battery-generator bus at flight idle (during charger-monitor operational check). (Task 9-1-31)	N-281
83.	BATT CHGR FAIL message does not appear on MFD (jumper wire between 2PS2P2-K and airframe, dc external power applied). (Task 9-1-31)	N-287
84.	Charger-Monitor does not open opposite battery relay (with other battery relay closed and its battery connected to battery-generator bus at flight idle). (Task 9-1-31)	N-288
85.	CPO night vision goggles (NVG) do not come on when NVG power converter switch is set to ON. (Task 9-1-44)	N-292
86.	Pilot night vision goggles (NVG) do not come on when NVG power converter switch is set to ON. (Task 9-1-44)	N-294
87.	TAMS circuit breaker will not stay closed. (Task 9-1-45)	N-296
88.	TAMS NO GO appears on MFD. (Task 9-1-45)	N-297
89.	Caution message HIGH TEMP T/R GRBX does not come on when tail rotor temperature switch is grounded. (Task 9-1-46)	N-298
80.	Caution message CHIP T/R GRBX does not come on (connector 1E3P1 is connected to special test tool and test switch set ON). (Task 9-1-46)	N-299
91.	Tail rotor gearbox chip detector fuzz burner failure-special test tool LED does not flash when test switch is set to ON. (Task 9-1-46)	N-301
92.	Caution message CHIP XMSN UPPER does not come on (connector 1E2P1 connected to special test tool and switch set to ON). (Task 9-1-46)	N-312
93.	Mast bearing chip detector fuzz burner failure-special test tool LED does not flash when test switch is set to ON. (Task 9-1-46)	N-31 5
84.	Caution message CHIP XMSN SUMP does not come on (connector 1E1P1 connected to special tool and switch set to ON). (Task 9-1-46)	N-327
95.	Transmission sump chip detector fuzz burner failure-special test tool LED does not flash when test switch is set to ON, (Task 9-1-46)	N-329
96.	Caution message CHIP ENG FREEWHEEL does not come on (connector 1E4P1 connected to special test tool and test switch set to ON). (Task 9-1-46)	N-341

MAPS NUMBER	SYMPTOM	PAGE NUMBER
97.	Freewheeling unit chip detector fuzz burner failure — special test tool LED does not flash when test switch is set to ON. (Task 9-1-46)	N-343
98.	Caution message LOW OIL PRESS XMSN does not come on when external dc power is applied. (Task 9-1-46)	N-354
99.	Caution message LOW OIL PRESS XMSN will not go out with helicopter at flight idle and dc generator on. (Task 9-1-46)	N-355
100.	Warning message LOW RPM does not go out with helicopter at 100% RPM. (Task 9-1-46)	N-357
101.	Warning message HIGH RPM does not come on, or it comes on at wrong rpm. (Task 9-1-46)	N-358
102.	Warning message HIGH RPM does not go out when rotor RPM is reduced to 100%. (Task 9-1-46)	N-359
103.	Warning message LOW RPM does not come on when rotor RPM is reduced to 97% or it comes on at other RPM. (Task 9-1-46)	N-360
104.	Engine anti-ice valve does not open (no rise in TGT) when ENG ANTI-ICE switch is set to ENG ANTI-ICE and helicopter at idle rpm. (Task 9-1-47)	N-361
105.	Advisory message ENG ANTI-ICE ON is not lit (helicopter at idle and ENG ANTI-ICE switch is set to OFF), (Task 9-1-47)	N-363
106.	Anti-ice switch solenoid valve does not close (no reduction in TGT). (helicopter at idle, ENG ANTI-ICE switch set to OFF). (Task 9-1-47)	N-365
107.	Caution message CHIP ENG UPPER does not come on (engine upper chip detector connector connected to special test tool and test switch set to ON). (Task 9-1-47)	N-368
108.	Caution message CHIP ENG LOWER does not come on (engine lower chip detector connector connected to special test tool and test switch set to ON). (Task 9-1-47)	N-370
109.	Caution message LOW OIL QUANTITY ENG does not come on when terminal 1TB1-1 is grounded. (Task 9-1-47)	N-372
110.	Caution message OIL BYPASS ENG does not come on (1TB1 -1 jumpered to ground and ENG OIL BYPASS switch set to AUTO). (Task 9-1-47)	N-374
111.	Engine oil bypass valve will not go to bypass position (1TB1 -1 temporarily jumpered to ground and ENG OIL BYPASS switch set to AUTO). (Task 9-1-47)	N-375
112.	Oil level switch does not close. (Task 9-1-47)	N-378
113.	Oil level switch does not open. (Task 9-1-47)	N-379

MAPS NUMBER	SYMPTOM	PAGE NUMBER
114.	Caution message FUEL FILTER BYPASS does not come on (jumper between pins B and C of 1S3P1), (Task 9-1-47)	N-380
115.	Fuel boost pump does not operate (FUEL BOOST switch set to FUEL BOOST), (Task 9-1-47)	N-382
116.	Caution message FUEL BOOST FAIL comes on (fuel boost pump on and operating). (Task 9-1-47)	N-385
117.	Caution message FUEL BOOST FAIL does not come on (jumper wire connected between 1S4P1-A and 1S4P1-B and FUEL BOOST switch ON). (Task 9-1-47)	N-387
118.	Fuel boost pump does not operate when START SWITCH and KEYLOCK SWITCH are ON (FUEL BOOST SWITCH is in OFF position), (Task 9-1-47)	N-389
119.	Engine igniter does not fire. (Task 9-1-47)	N-391
120.	Start counter does not increase count (START switch ON, IGN and START circuit breakers closed). (Task 9-1-47)	N-394
121.	Particle separator blower does not operate (ac external power is on). (Task 9-1-47)	N-395
122.	Particle separator blower operates backward. (Task 9-1-47)	N-398
123.	Fuel quantity indicator not correct. (Task 9-1-47)	N-399
124.	Fuel quantity readout on MFD disagrees with fuel quantity readout on vertical scale instrument. (Task 9-1-47)	N-403
125.	Caution message FUEL LOW does not come on at 100 pounds remaining fuel. (Task 9-1-47)	N-404
126.	Caution message LOW OIL PRESS ENG remains on (helicopter stabilized at flight idle and dc generator on). (Task 9-1-47)	N-406
127.	Warning message ENGINE OUT remains on (helicopter stabilized at flight idle and dc generator on). (Task 9-1-47)	N-410
128.	Engine NP RPM indicator (vertical scale) does not indicate approximately 62% (helicopter at flight idle and dc generator on). (Task 9-1-47)	N-412
129.	Rotor NR RPM indicator (vertical scale) does not indicate approximately 64% (helicopter at flight idle and dc generator on). (Task 9-1-47)	N-415
130.	Engine oil temperature indicator does not indicate in green range [helicopter at flight idle and dc generator on). (Task 9-1-47)	N-420
131.	Engine oil pressure indicator on MPD does not indicate in green range (helicopter at flight idle and dc generator on). (Task 9-1-47)	N-423

MAPS NUMBER	SYMPTOM	PAGE NUMBER
132.	Engine TGT indicator does not indicate in green range (helicopter at flight idle and dc generator on). (Task 9-1-47)	N-426
133.	Engine NP RPM indicator (digital) on MPD does not indicate approximately 62% (helicopter at flight idle and dc generator on). (Task 9-1-47)	N-429
134.	Engine NG RPM indicator (digital) on MPD does not indicate approximately 64% (helicopter at flight idle and dc generator on). (Task 9-1-47)	N-432
135.	Engine torque indicator (digital) on MPD does not indicate approximately 8% (helicopter at flight idle and dc generator on). (Task 9-1-47)	N-435
136.	Engine NP RPM indicator (vertical scale) does not indicate approximately 100% (helicopter at 100% RPM and dc generator on). (Task 9-1-47)	N-438
137.	Engine NG RPM indicator (vertical scale) does not indicate approximately 80% (helicopter at 100% RPM and dc generator on). (Task 9-1-47)	N-441
138.	Engine oil temperature indicator does not indicate in green range (helicopter at 100% RPM and dc generator on). (Task 9-1-47)	N-444
139.	Engine oil pressure indicator on MPD does not indicate in green range (helicopter at 100% RPM and dc generator on). (Task 9-1-47)	N-447
140.	Engine TGT indicator does not indicate in green range (helicopter at 100% RPM and dc generator on). (Task 9-1-47)	N-450
141.	Engine NP RPM indicator (digital) on MPD does not indicate approximately 100% (helicopter at 100% RPM and dc generator on). (Task 9-1-47)	N-453
142.	Engine NG RPM indicator (digital) on MPD does not indicate approximately 85% (helicopter at 100% RPM and dc generator on). (Task 9-1-47)	N-456
143.	Engine torque indicator (digital) on MPD does not indicate approximately 24% (helicopter at 100% RPM and dc generator on). (Task 9-1-47)	N-459
144.	RPM switch does not increase and/or decrease engine rpm. (Task 9-1-47)	N-462
145.	Fuel control does not switch to analog backup. (Task 9-1-47)	N-464
146.	DIGITAL test switch does not cause engine deceleration when pressed. (Task 9-1-47)	N-467
147.	ANALOG test switch does not cause engine deceleration when pressed. (Task 9-1-47)	N-469
148.	BIT page does not display GO, NO GO, or FUEL CONTROL advisory after DIGITAL test switch is pressed. (Task 9-1-47)	N-471
149.	Caution message FUEL CONTROL does not come on (connector 1A3P1 disconnected). (Task 9-1-47)	N-475

MAPS NUMBER	SYMPTOM	PAGE NUMBER
150.	Green floodlight does not come on. (Task 9-1-48)	N-477
151.	Green and white FLOOD LT control is reversed when turned from DIM to BRT. (Task 9-1-48)	N-480
152.	Green floodlight does not go off when FLOOD LT switch is set to WHITE. (Task 9-1-48)	N-481
153	White floodlight does not come on when FLOOD LT switch is set to WHT. (Task 9-1-48)	N-482
154.	Utility light does not come on when momentary switch on back of light is pressed. (Task 9-1-49)	N-483
155.	Utility light brightness cannot be controlled with rheostat at rear of lamp, (Task 9-1-49)	N-485
156.	Utility light will not focus from spot to flood when turning front of light assembly. (Task 9-1-49)	N-486
157.	Instrument lights do not come on when INST LT control is turned clockwise from OFF to BRT. (Task 9-1-50)	N-487
158.	Standby attitude indicator not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-490
159.	Airspeed indicator not lit after INST LT control is turned from OFF to BRT (Task 9-1-50)	N-492
160.	Clock is not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-493
161.	Standby compass is not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-494
162.	CPO channel select panel is not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-495
163.	CPO multifunction display (MFD) auxiliary switch panel is not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-496
164.	Pilot multifunction display (MFD) auxiliary switch panel not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-497
165.	Mast mounted sight (MMS) control panel not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-498
166.	Standby altimeter indicator not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-500

MAPS NUMBER	SYMPTOM	PAGE NUMBER
167.	CPO intercommunication system (ICS) panel is not lit after INST LT control is turned from OFF to BRT. (Task 9-1-51)	N-501
168.	TGT/TRQ indicator not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-502
169.	Dual tachometer is not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-503
170.	Left multifunction display (MFD) not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-504
171.	Remote frequency display (RFD) is not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-505
172.	Right multifunction display (MFD) is not lit after INST LT control is turned from OFF to BRT. (Task 9-1-50)	N-506
173.	Instrument lights secondary dimming potentiometer does not control TGT/TRQ indicator. (Task 9-1-50)	N-507
174.	Instrument lights secondary dimming potentiometer causes dimming for CW rotation. (Task 9-1-50)	N-508
175.	Panel lights do not come on when CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-509
176.	Keyboard not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-512
177.	Pilot intercommunication system (ICS) panel not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-513
178.	Digital fuel control panel not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-514
179.	Directional gyro control panel is not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-516
180.	Forward overhead console panel not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-517
181.	AFT overhead console panel not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-518
182.	Center post circuit breaker panel not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-519

MAPS NUMBER	SYMPTOM	PAGE NUMBER
183.	Multiparameter display (MPD) not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-520
184.	Stability and control augmentation system (SCAS) control panel not lit after CONSOLE LT control is turned from OFF to BRT. (Task 9-1-51)	N-521
185.	Engine oil bypass relay not actuated (no voltage on 1TB1-3) (1TB1-1 jumpered to ground and ENG OIL BYPASS switch set to AUTO). (Task 9-1-47)	N-522
186.	Position lights do not come on (POS LIGHT switch set to DIM). (Task 9-1-54)	N-524
187.	Console dimming control causes panels to dim when shaft is turned clockwise. (Task 9-1-51)	N-526
188.	Position lights do not get bright when switched from DIM to BRT. (Task 9-1-52)	N-527
189.	Anti collision lights do not flash (ANTI COLL switch in ANTI COLL). (Task 9-1-53)	N-528
180.	Upper anticollision light does not flash (ANTI COLL switch in ANTI COLL). (Task 9-1-53)	N-530
191.	Lower anticollision light does not flash (ANTI COLL switch in ANTI COLL). (Task 9-1-53)	N-532
192.	Searchlight will not extend (searchlight position switch held in EXT position). (Task 9-1-54)	N-534
193.	Searchlight does not extend to 120 degrees. (Task 9-1-54)	N-536
194.	Searchlight will not retract (searchlight position switch held in RET position). (Task 9-1-54)	N-537
195.	Searchlight will not turn right (searchlight position switch held in R position). (Task 9-1-54)	N-539
196.	Searchlight will not turn left (searchlight position switch held in L position). (Task 9-1-54)	N-541
197.	Searchlight does not come on (searchlight power switch is ON). (Task 9-1-54)	N-543
198.	Searchlight does not go off at approximately 90 degrees right from forward (searchlight power switch is ON, searchlight position switch held in R). (Task 9-1-54)	N-547
199.	Searchlight does not go off at approximately 90 degrees left from forward (searchlight power switch is ON, searchlight position switch held in L). (Task 9-1-54)	N-548

MAPS NUMBER	SYMPTOM	PAGE NUMBER
200.	Searchlight does not come on at approximately 60 degrees extension (searchlight power switch is ON, searchlight position switch held in EXT). (Task 9-1-54)	N-549
201.	Searchlight does not stow properly (searchlight position switch held in RET). (Task 9-1-54)	N-550
202.	Instrument lights secondary dimming potentiometer does not control dual tachometer. (Task 9-1-50)	N-551
203.	Instrument lights secondary dimming potentiometer does not control CPO communication system control. (Task 9-1-50)	N-552
204.	Instrument lights secondary dimming potentiometer does not control left multifunction display (MFD). (Task 9-1-50)	N-553
205.	Instrument lights secondary dimming potentiometer does not control right multifunction display (MFD). (Task 9-1-50)	N-554
206.	Instrument lights secondary dimming potentiometer does not control remote frequency display (RFD). (Task 9-1-50)	N-555
207.	Instrument lights secondary dimming potentiometer does not control the CPO channel select panel. (Task 9-1-50)	N-556
208.	Instrument lights secondary dimming potentiometer does not control the CPO multifunction display (MFD) auxiliary switch panel. (Task 9-1-50)	N-557
209.	Instrument lights secondary dimming potentiometer does not control the pilot multifunction display (MFD) auxiliary switch panel. (Task 9-1-50)	N-558
210.	Instrument lights secondary dimming potentiometer does not control the mast mounted sight (MMS) control. (Task 9-1-50)	N-559
211.	Error code 0001 word 1MCPU fail.	N-560
212.	Error code 0002 word 1MCPU fail.	N-561
213.	Error code 0040 word 1 yaw actuator fail.	N-562
214.	Error code 0080 word 1 right cyclic actuator fail.	N-583
215.	Error code 0010 word 1 left cyclic actuator fail.	N-601
216.	Error code 0200 word 1 pitch rate gyro failure.	N-619
217.	Error code 0400 word 1 roll rate gyro failure.	N-623
218.	Error code 0800 word 1 yaw rate gyro failure	N-627
219.	Error code 1000 word 1 forward/aft cyclic control motion transducer failure.	N-636

MAPS NUMBER	SYMPTOM	PAGE NUMBER
220.	Error code 2000 word 1 lateral cyclic control motion transducer failure.	N-642
221.	Error code 4000 word 1 pedal control motion transducer failure.	N-648
222.	Error code 8000 word 1 collective motion transducer failure.	N-657
223.	Error code 0008 word 2 trim motor failure.	N-666
224.	Error code 0010 word 2 26 VAC failure.	N-680
225.	Pitch/roll and yaw will not engage.	N-695
226.	Pitch/roll and one yaw will not engage.	N-710
227.	Pitch and roll (only) will not engage.	N-717
228.	Yaw (only) will not engage.	N-722
229.	FDL MENU page will not appear. (Task 9-1-35)	N-729
230.	Engine droops during increase in collective. (TM 55-1520-248-10)	N-731
231.	Chadwick rotor balancing equipment inoperative. (Task 5-3-1)	N-733
232.	Auxiliary 28 VDC receptacle will not supply voltage. (Task 5-3-1)	N-737
233.	Transmission oil caution message on MFD and Trans OIL ° C X 10 (MPD) reads above limit. (Task 9-1-46)	N-739
234.	FDL MENU page appears in flight.	N-741
235.	Transmission oil temperature does not indicate in green range (helicopter at flight idle and dc generator on).	N-743
236.	INV FAIL message displayed on MFD. 115 VAC not displayed on MPD. (Task 9-1-30)	N-746
237.	VART wraparound failure appears on left MFD.	N-757
238.	VART wraparound failure appears on right MFD.	N-759
239.	Deleted	N-761
240.	One or more NVG formation lights do not come on.	N-762 ■

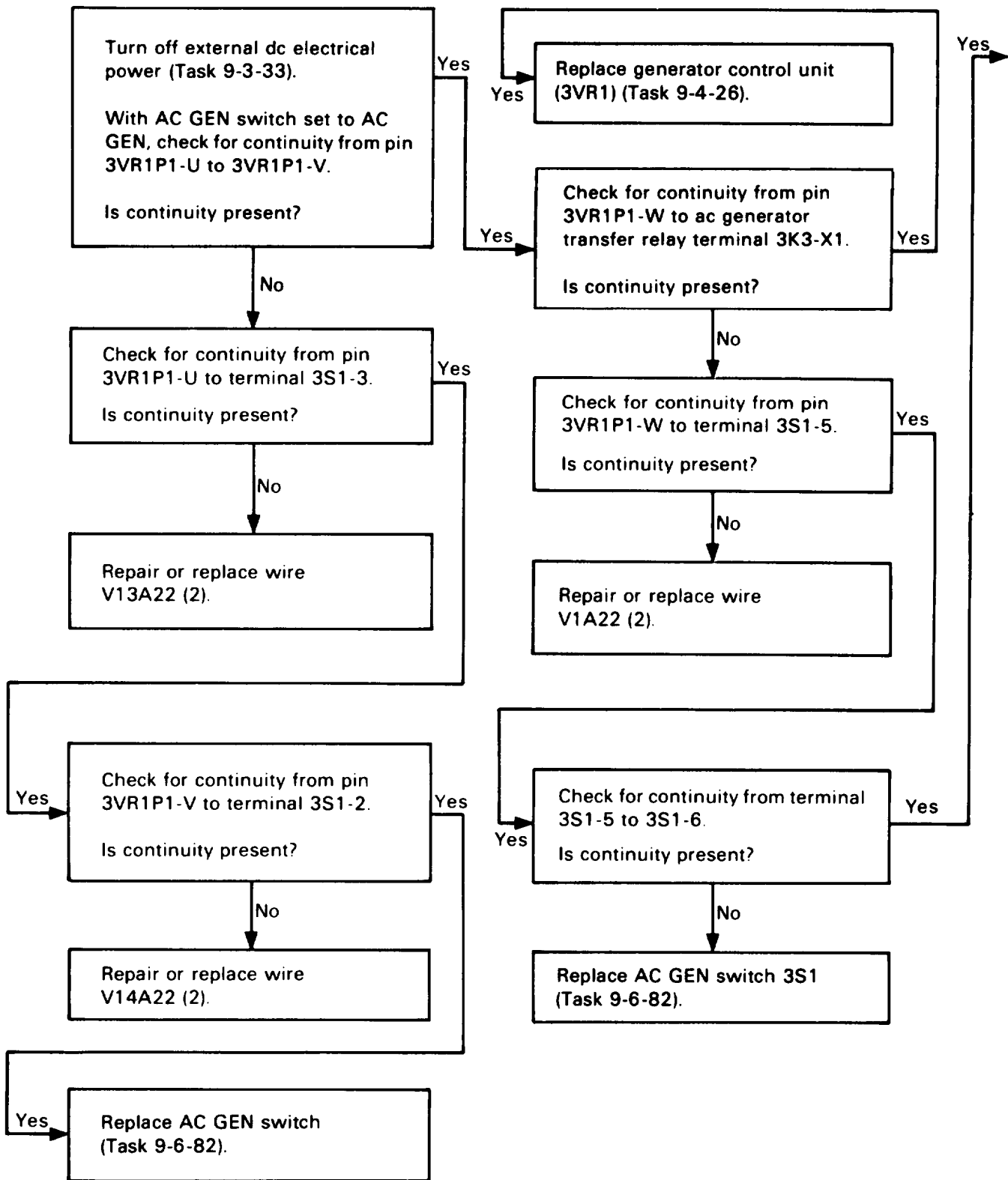
1. AC GENERATOR COMES ON BEFORE ROTOR RPM REACHES 93 TO 96 PERCENT

Replace generator control unit (Task 9-4-26).

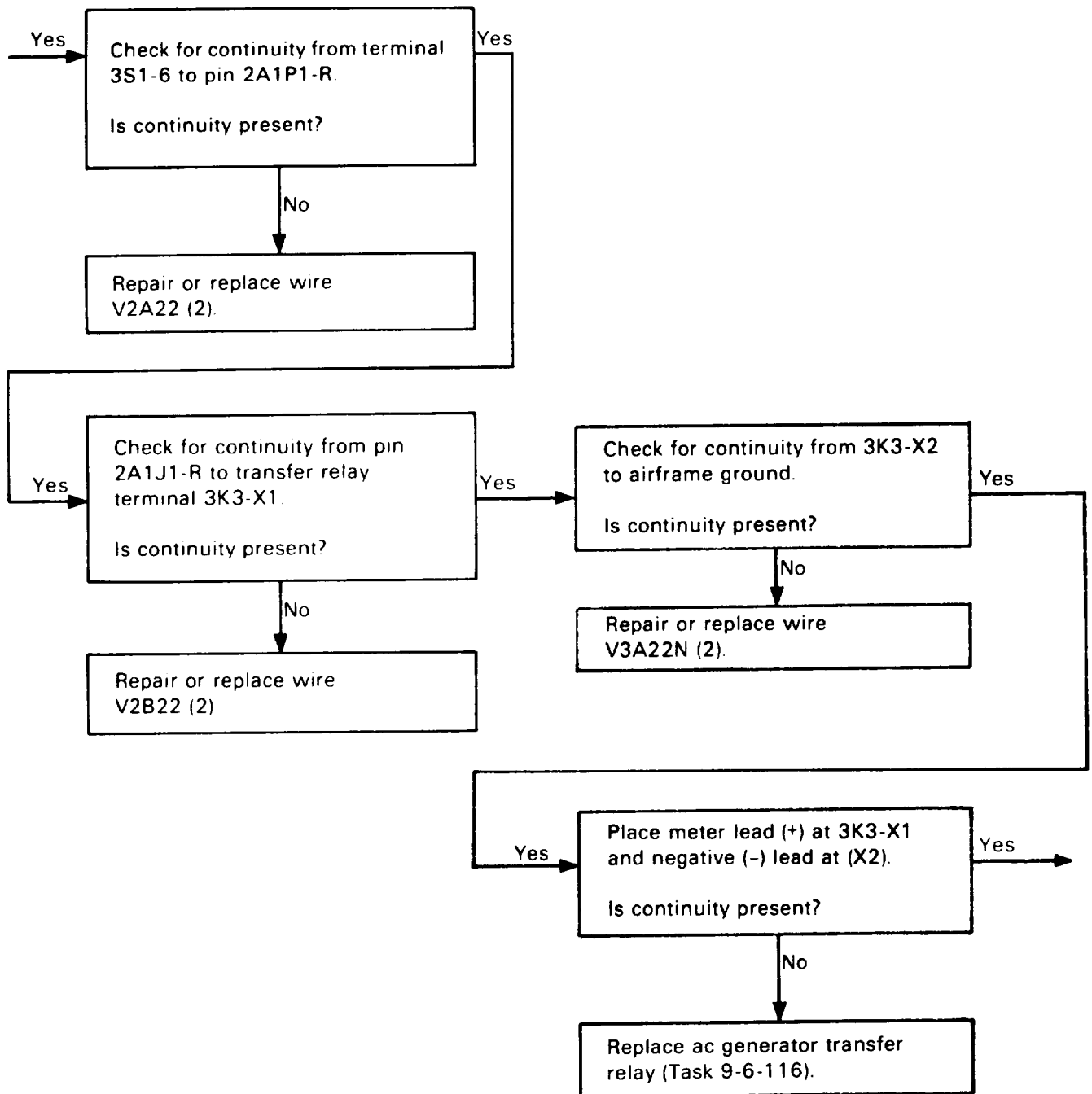
2 AC GENERATOR REMAINS ON WHEN ROTOR RPM IS BETWEEN 88 AND 91 PERCENT

Replace generator control unit (Task 9-4-26).

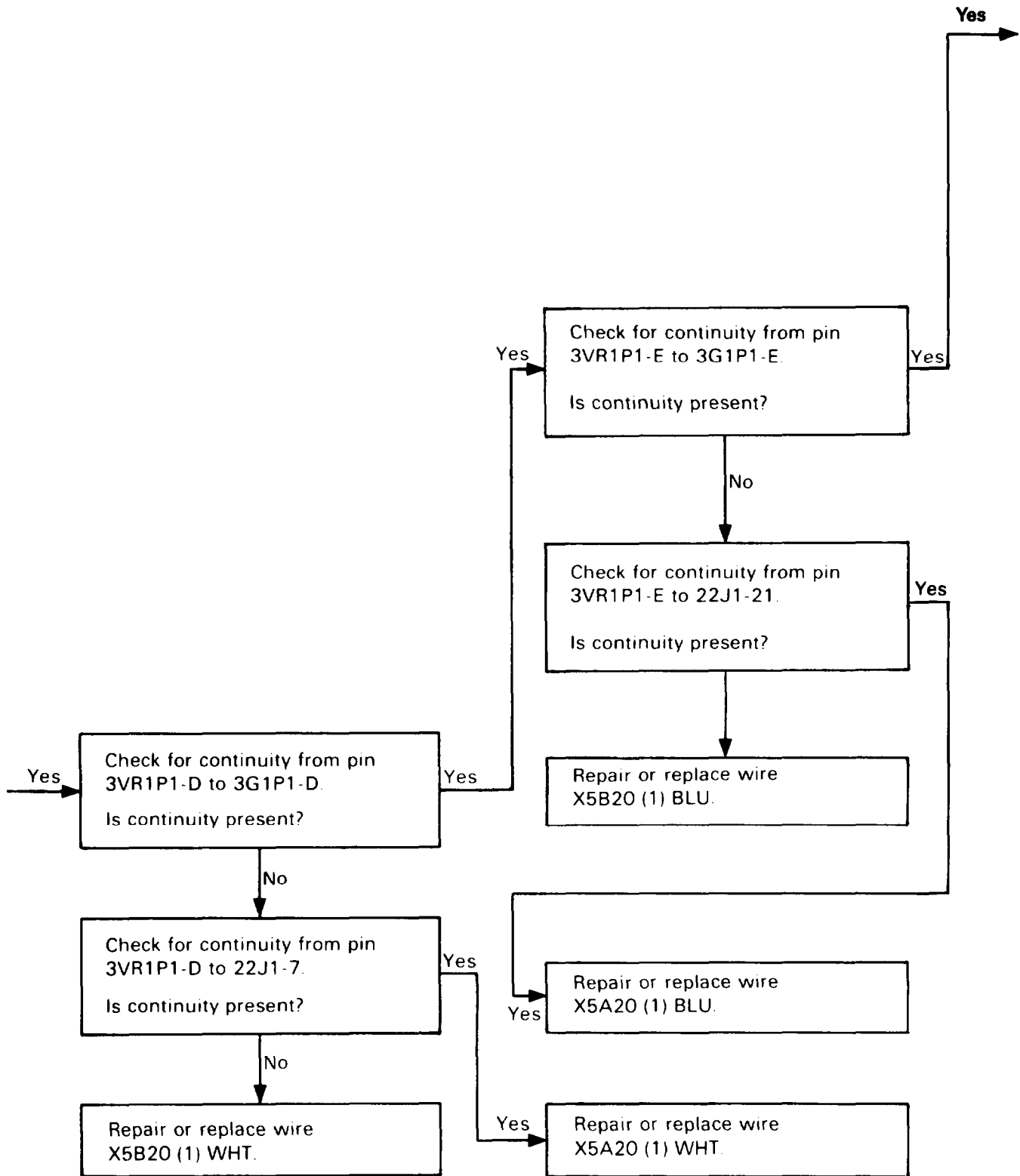
3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT



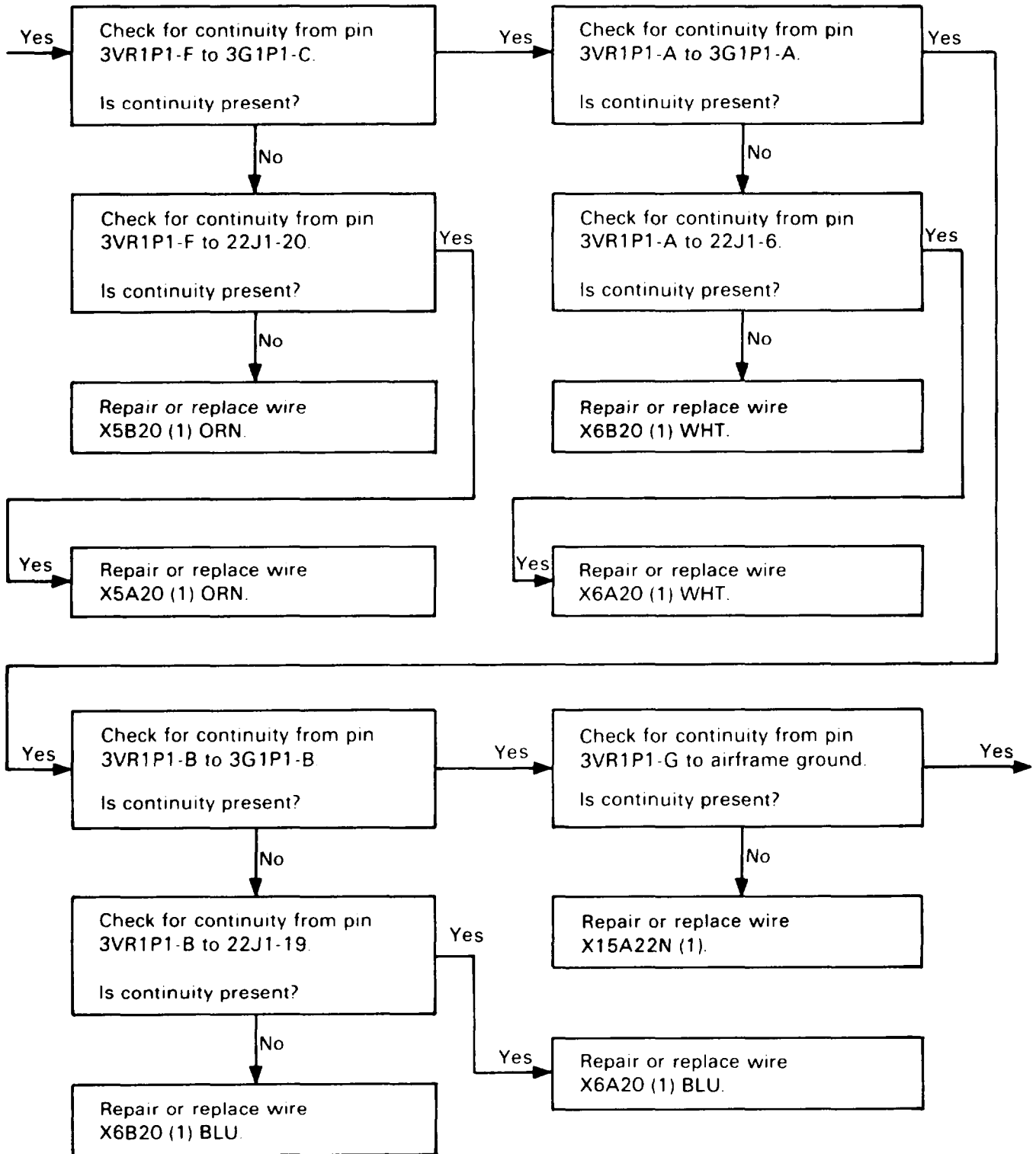
3 AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)



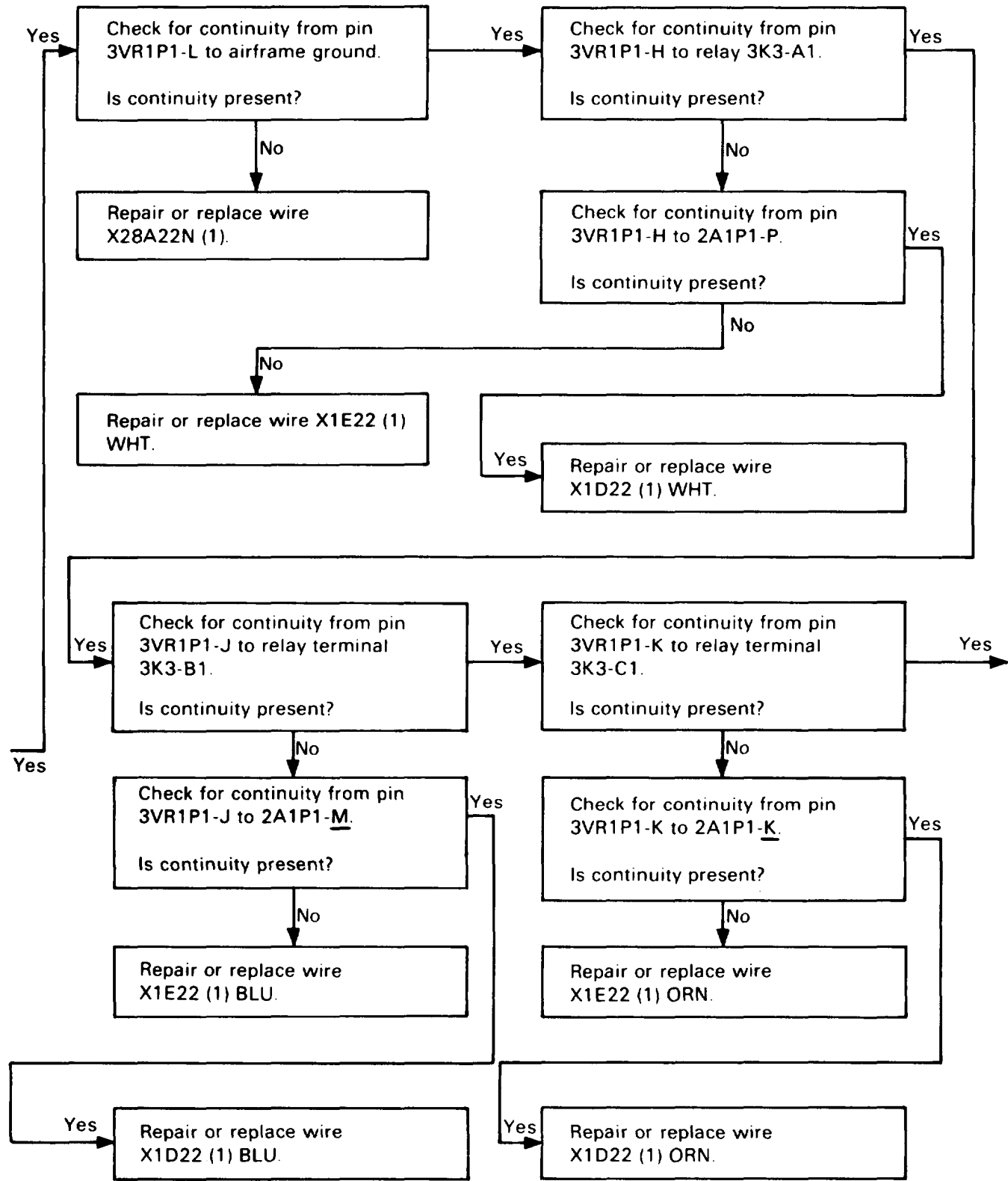
3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)



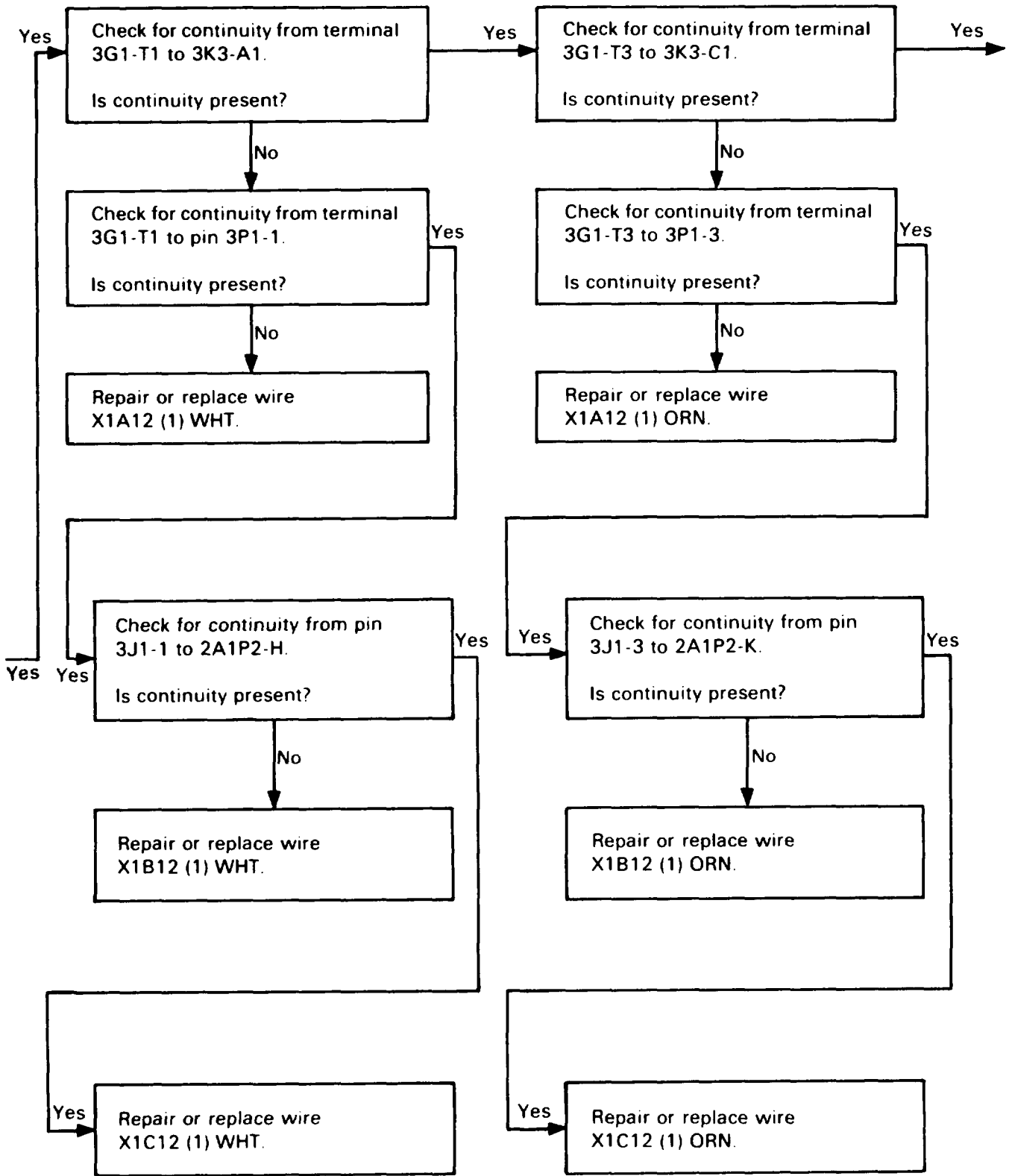
3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)



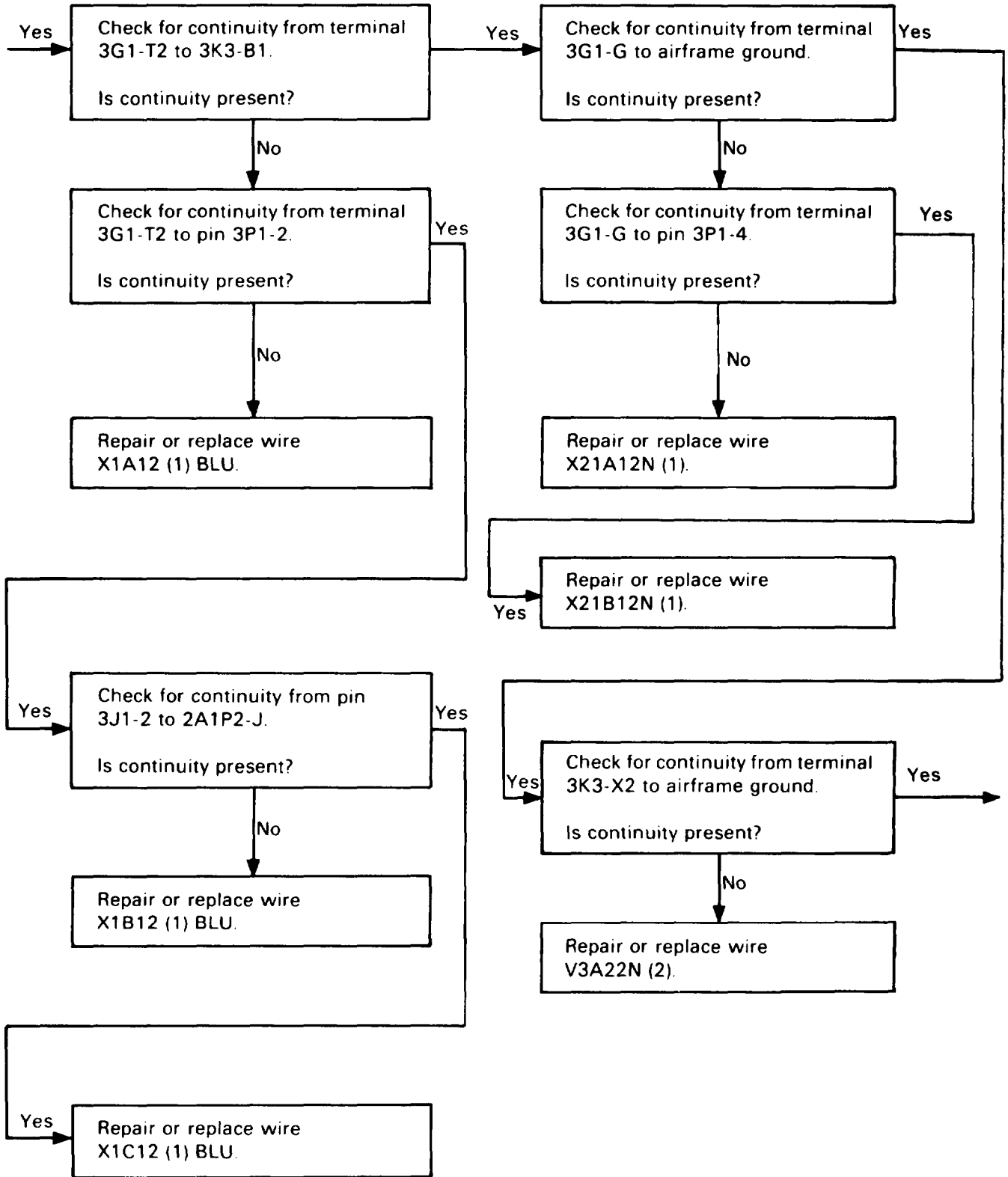
3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)



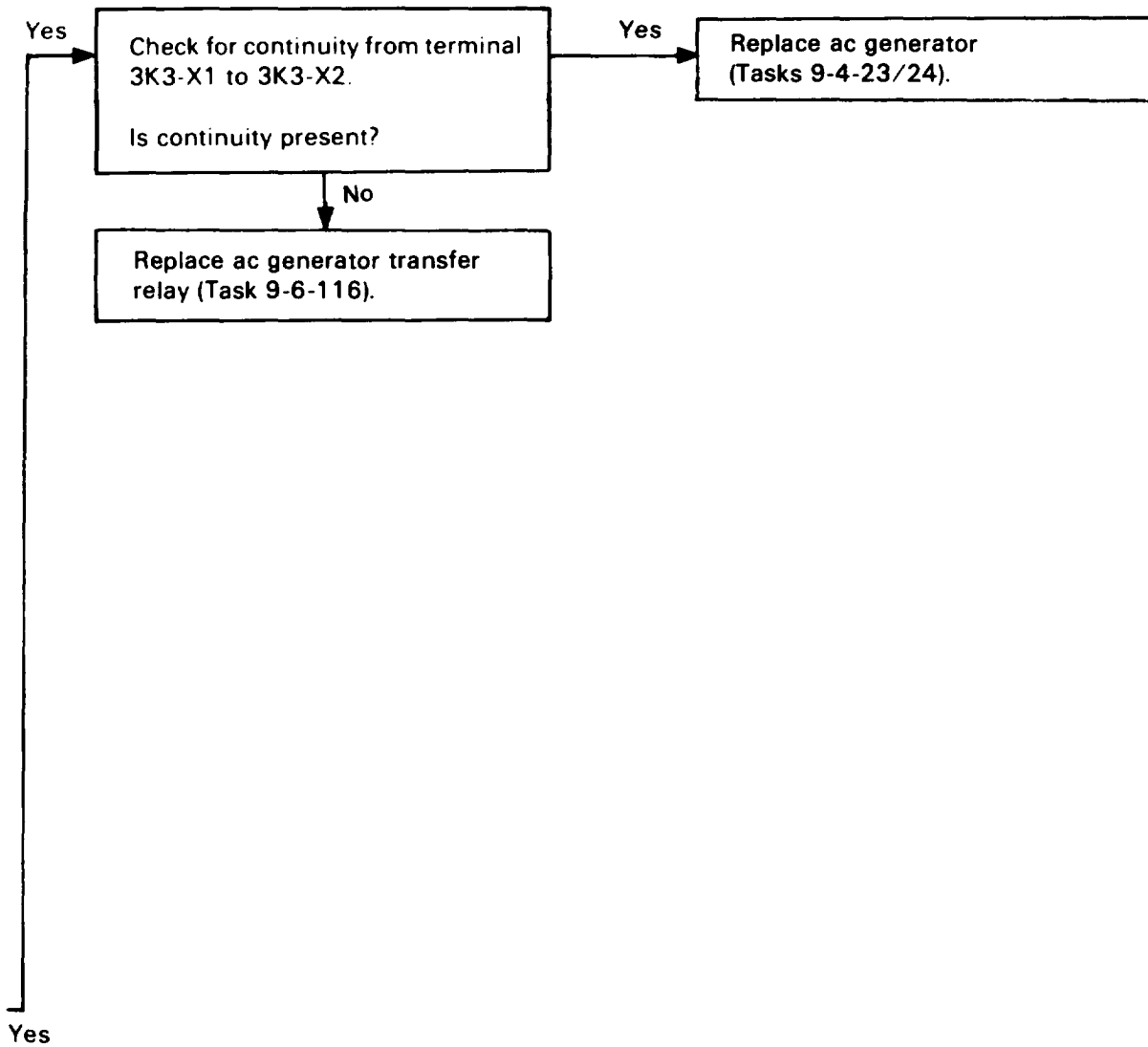
3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)



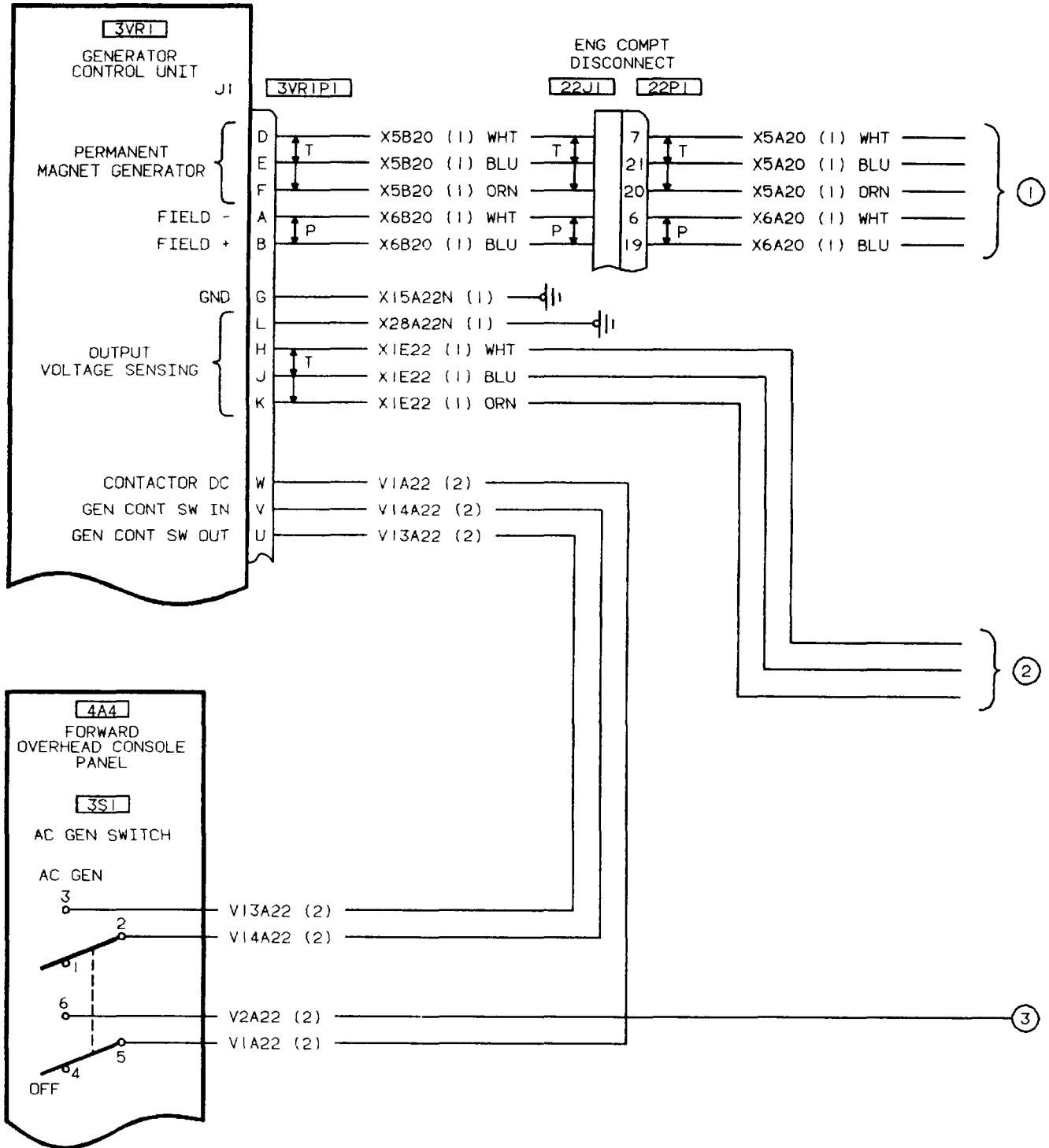
3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)



3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)

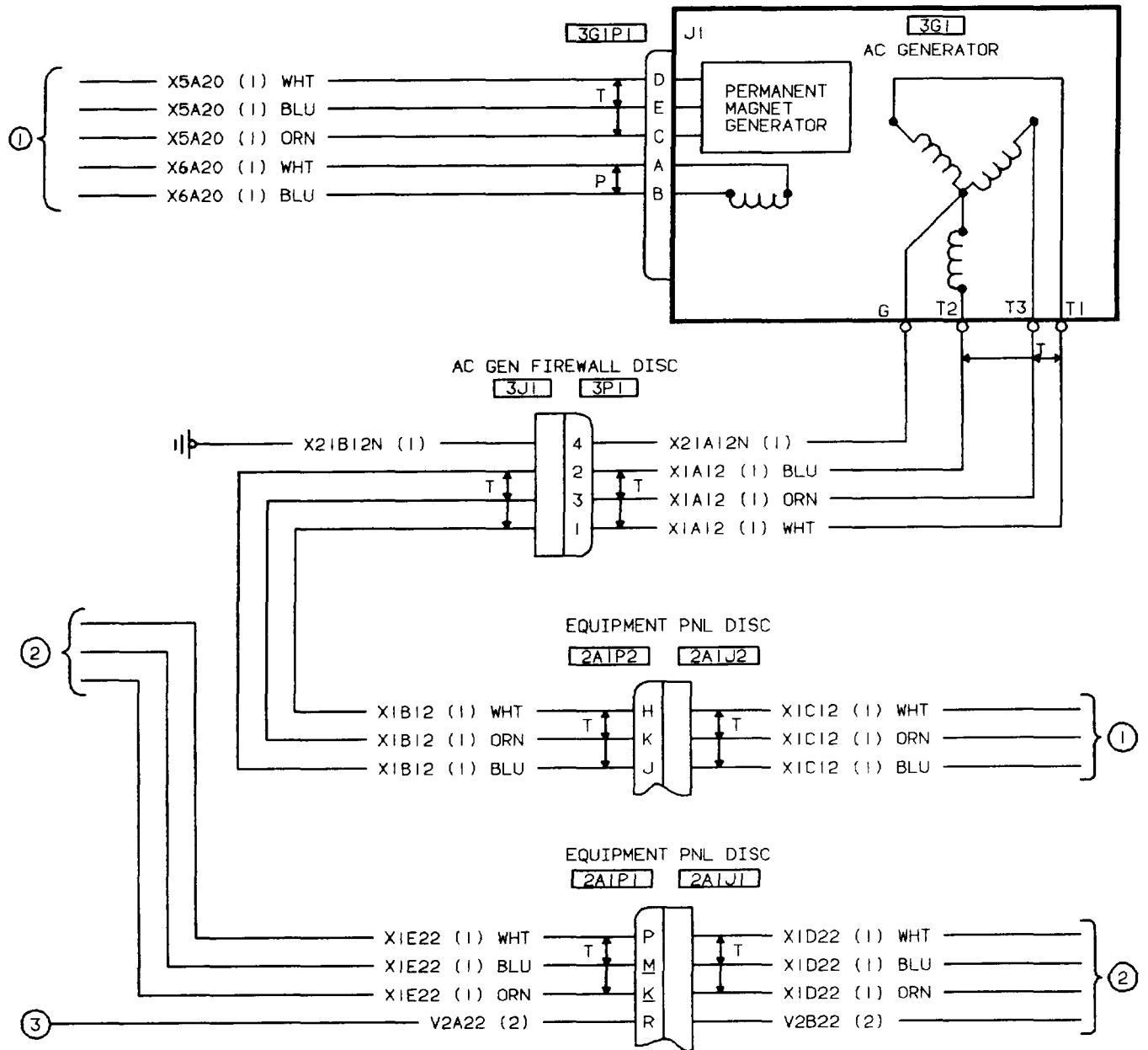


3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)



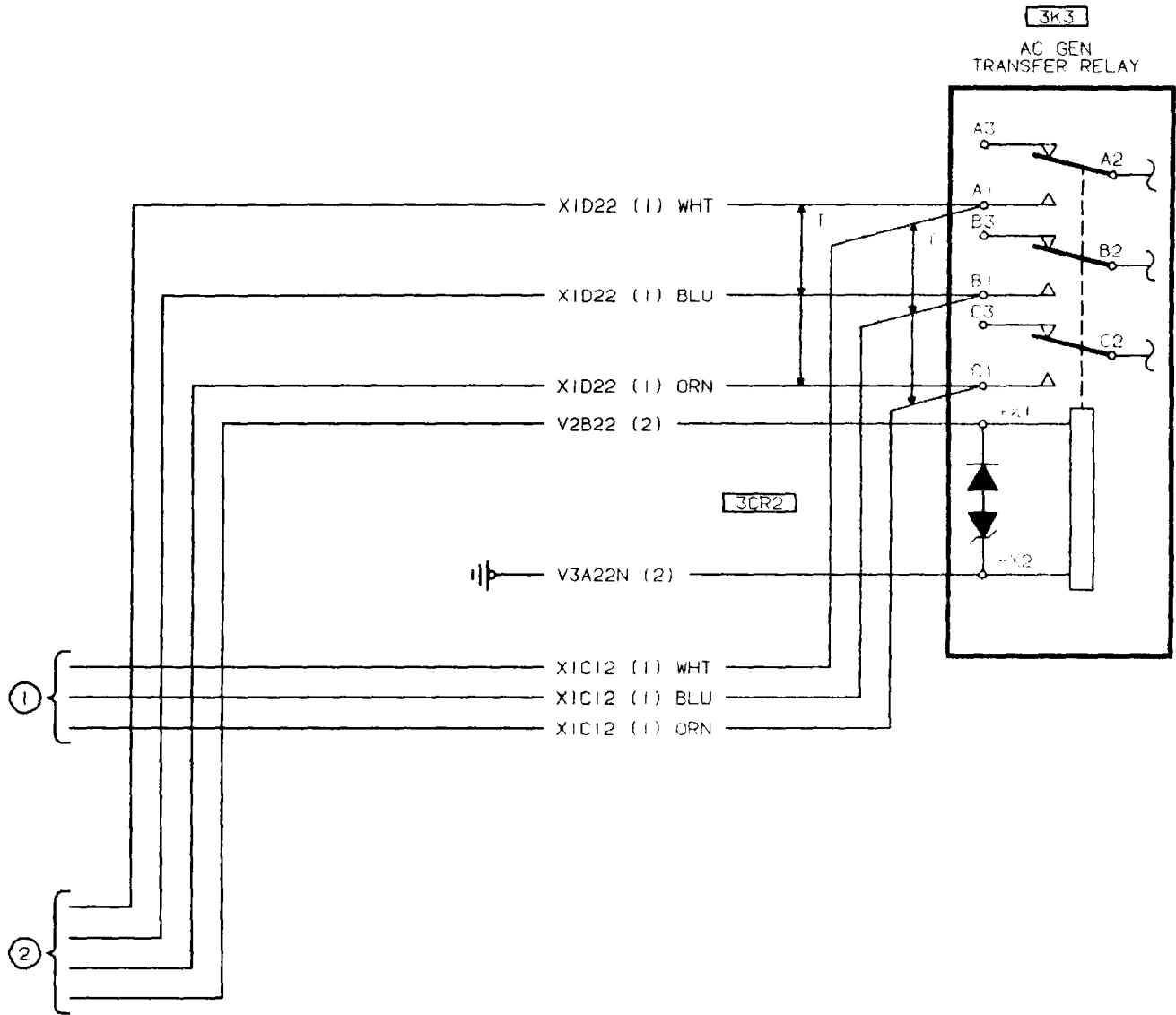
406475-381-1

3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)

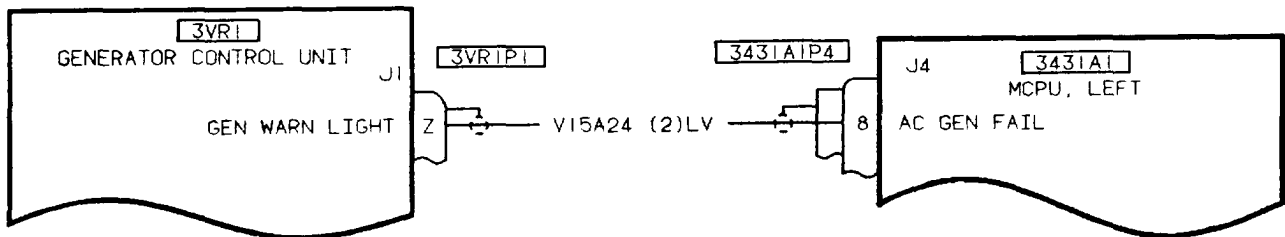
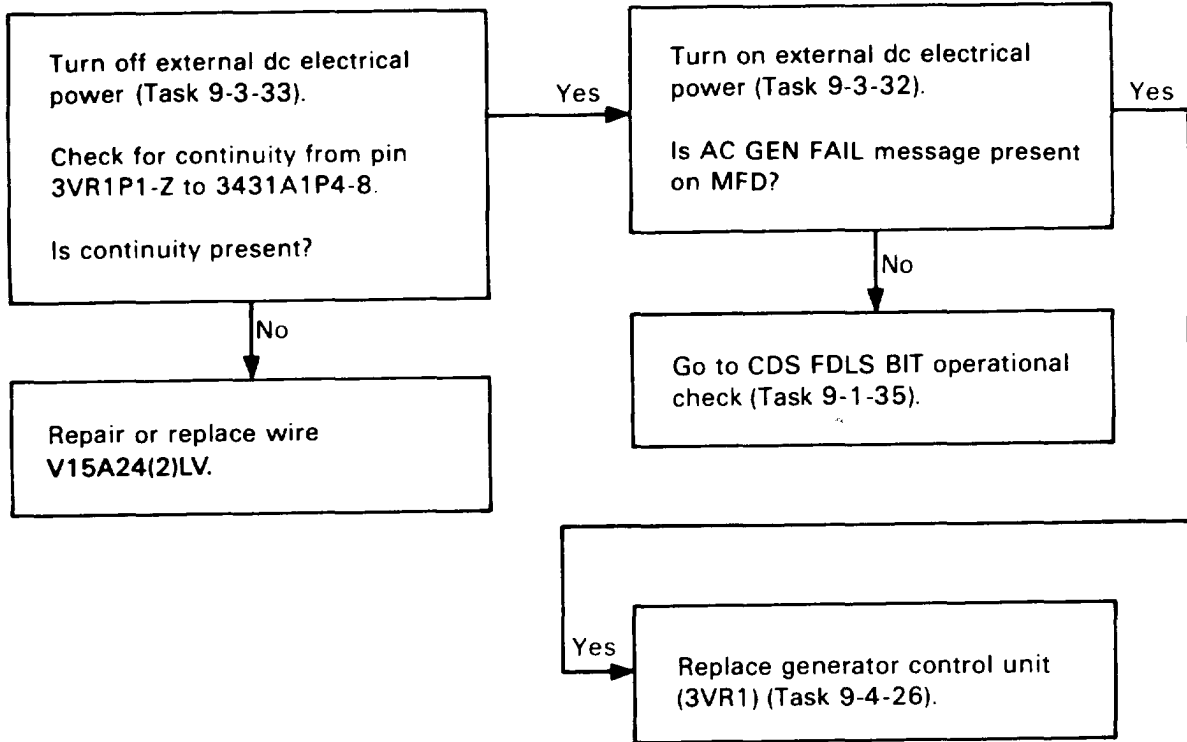


406475-381-2

3. AC GENERATOR WILL NOT COME ON LINE WHEN ROTOR RPM IS BETWEEN 93 AND 96 PERCENT (CONT)

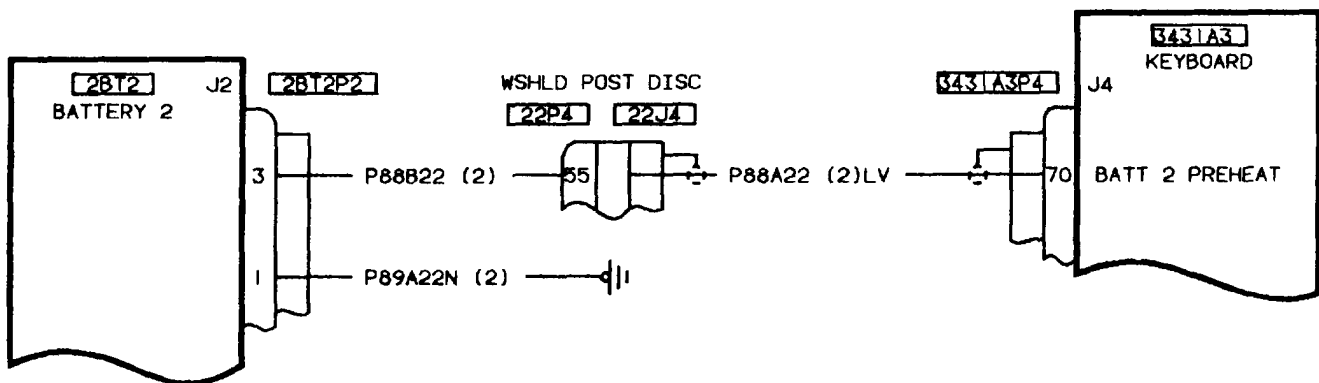
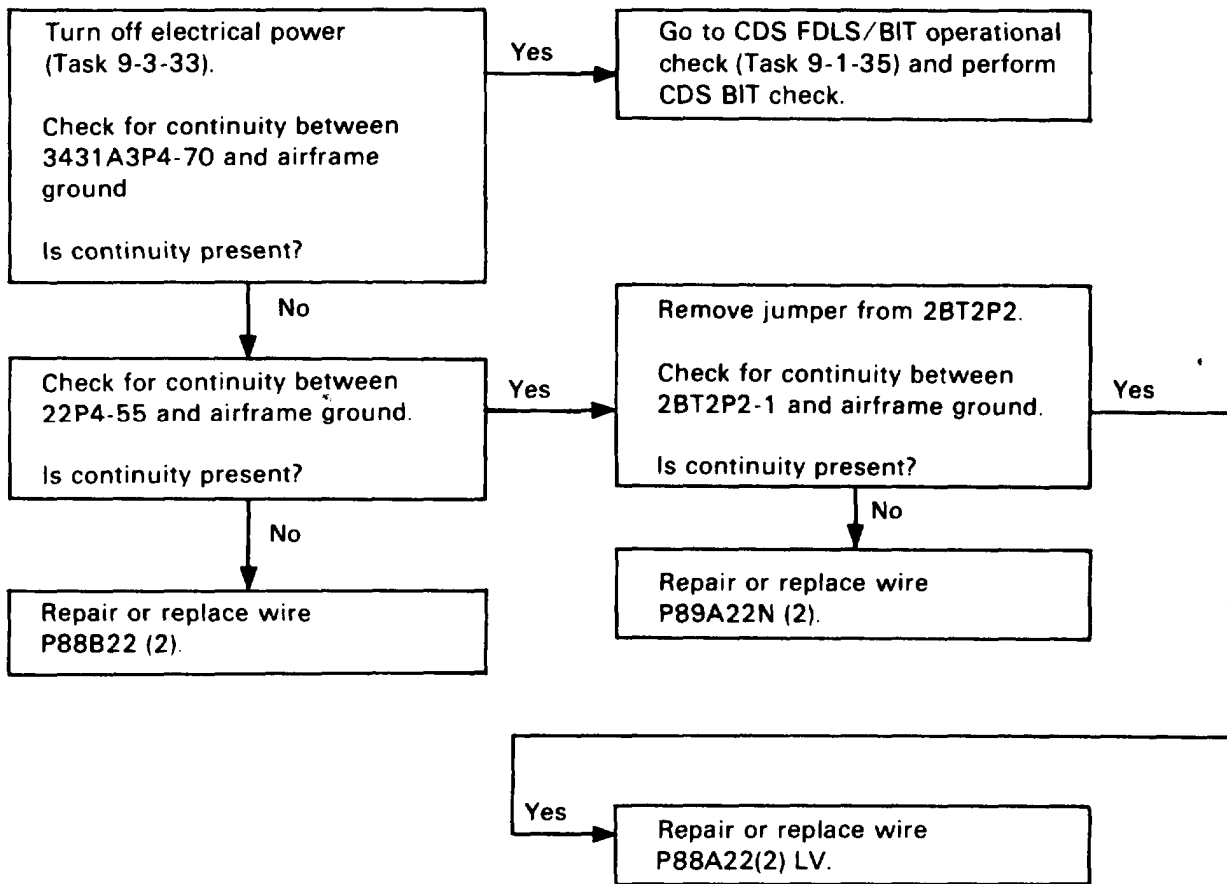


4. AC GEN FAIL MESSAGE NOT DISPLAYED ON MFD (AT FLIGHT IDLE)



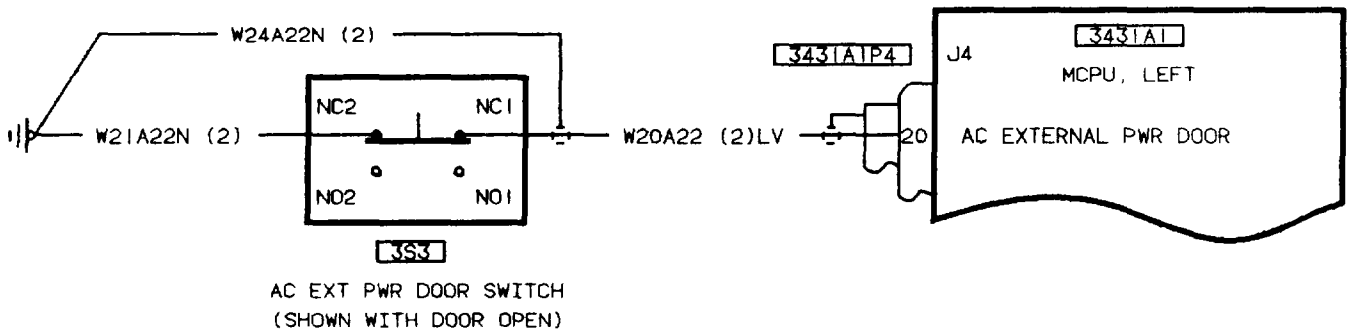
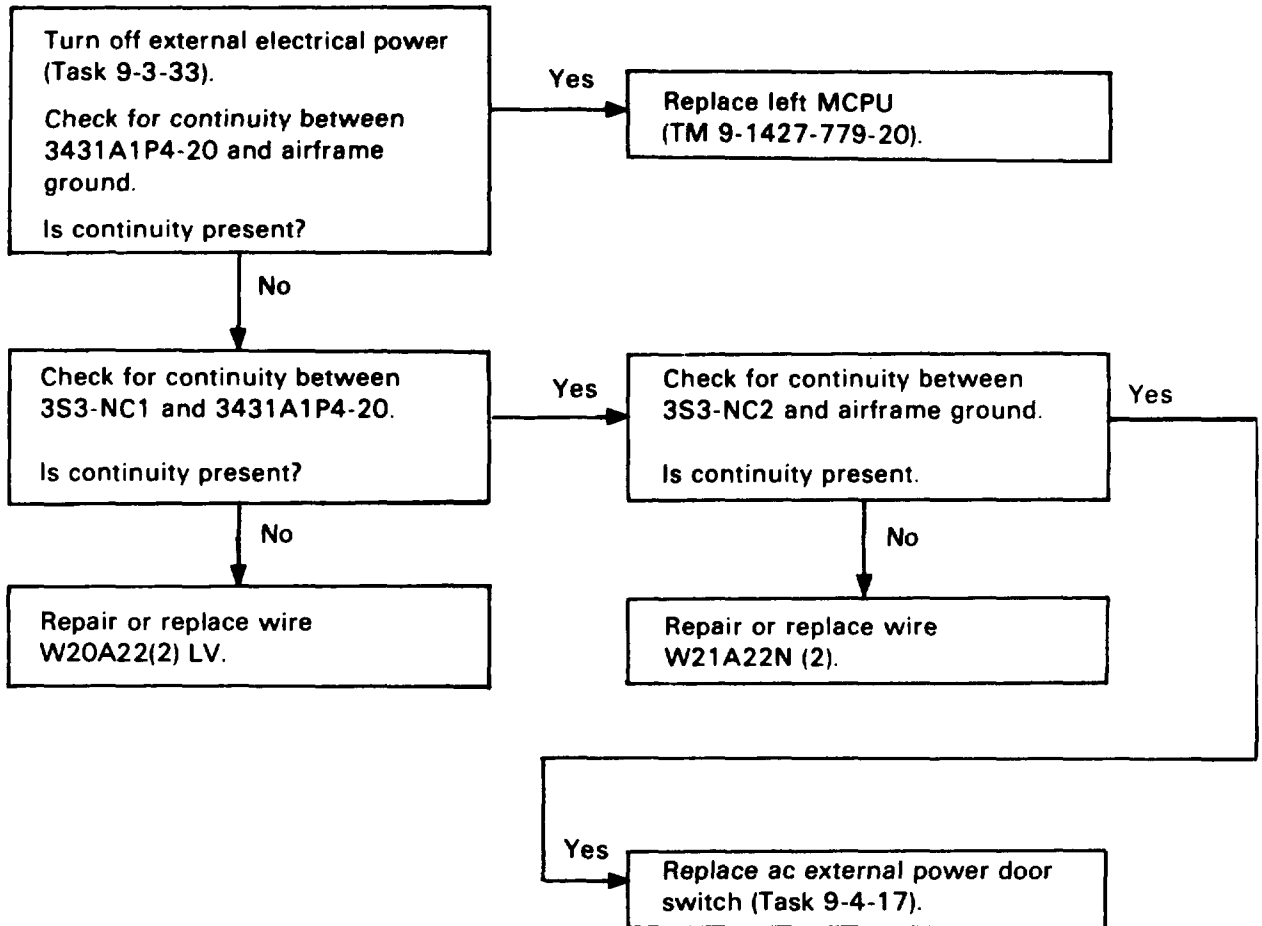
406475-309

5. BATT PREHEAT ON NOT DISPLAYED ON MFD (EXTERNAL AC POWER ON AND JUMPER BETWEEN PINS 1 AND 3 OF CONNECTOR 2BT2P2)



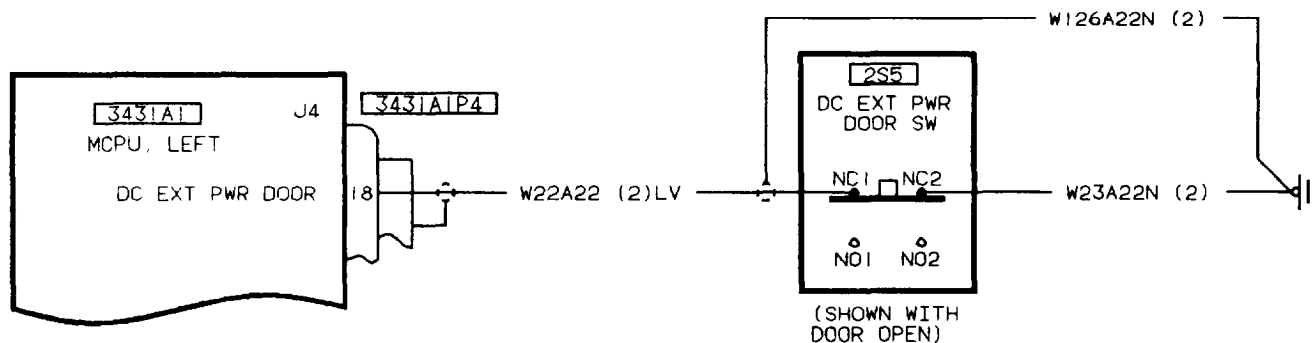
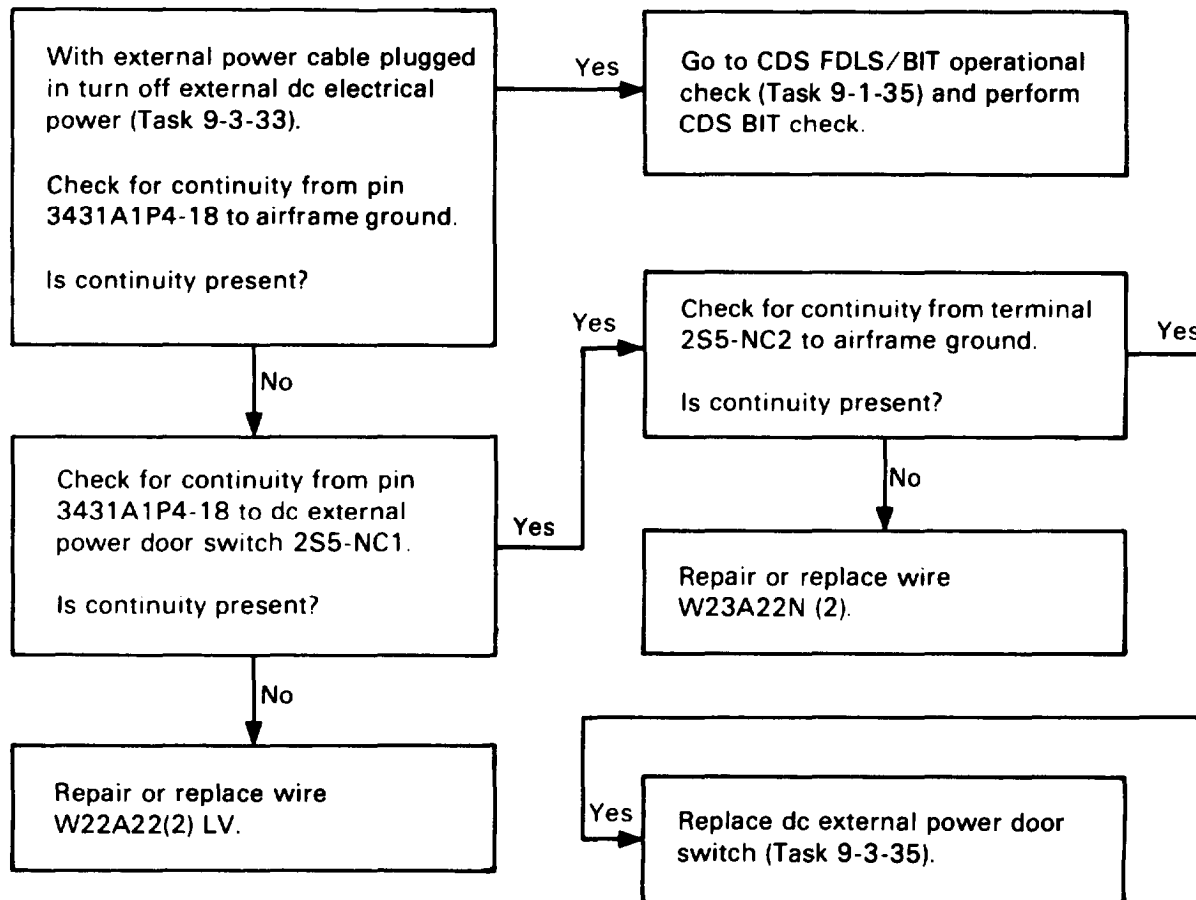
406475-330
H2085

6. ADVISORY EXT PWR NOT DISPLAYED ON MFD (EXTERNAL AC POWER IN USE)



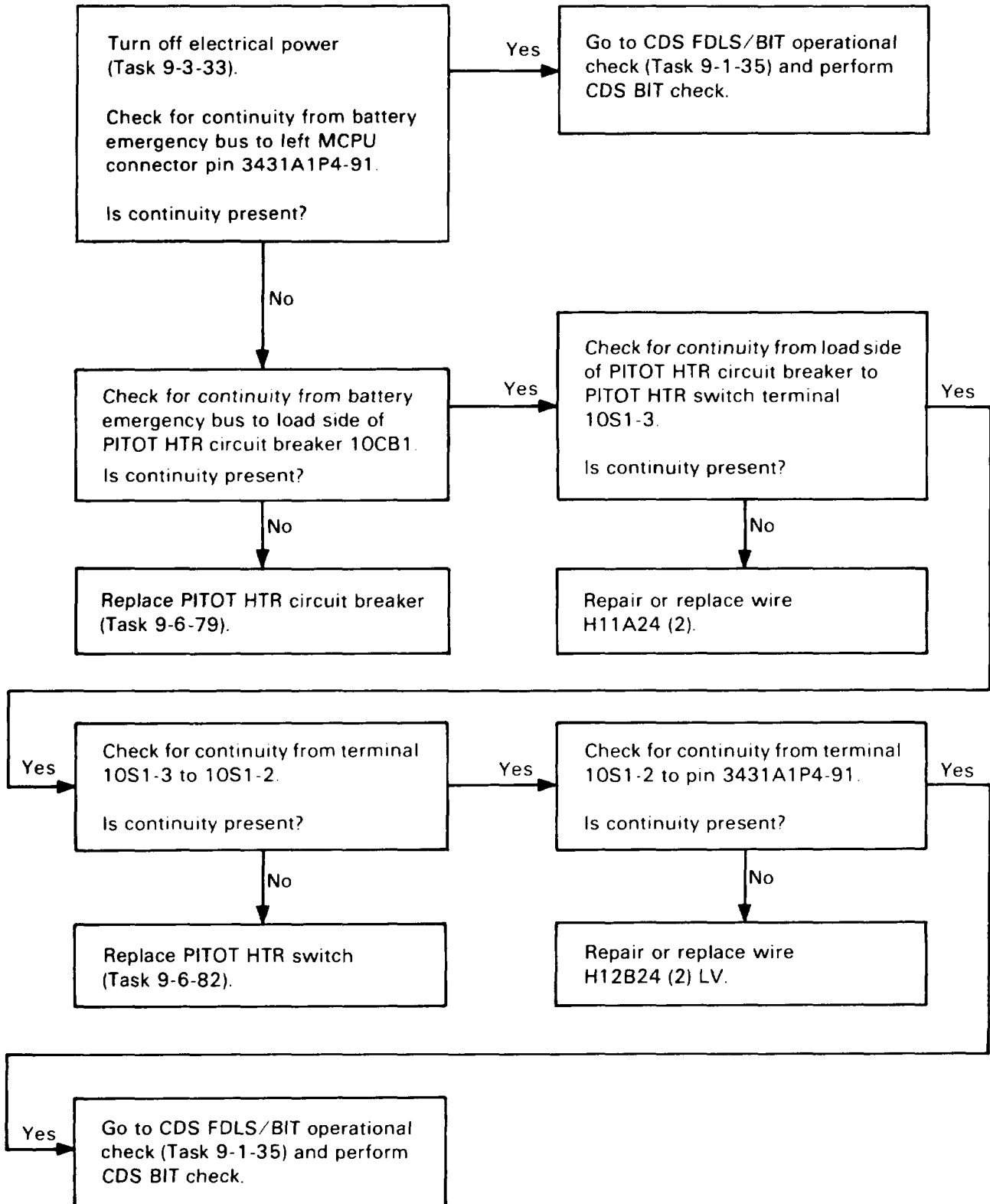
406475-362

7. ADVISORY EXT PWR NOT DISPLAYED ON MFD (EXTERNAL DC POWER IN USE)

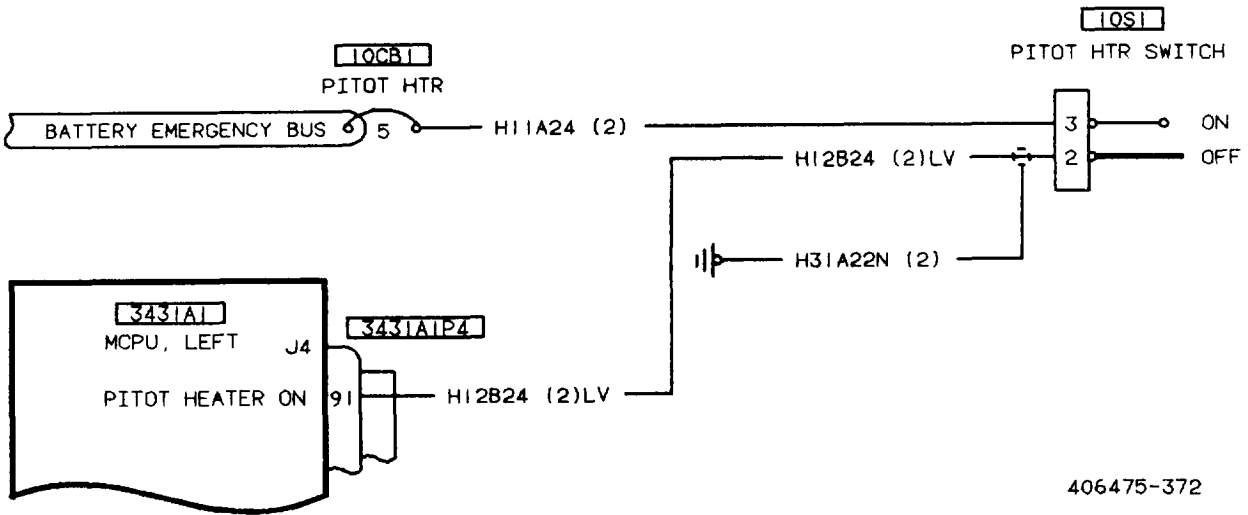


406475-304

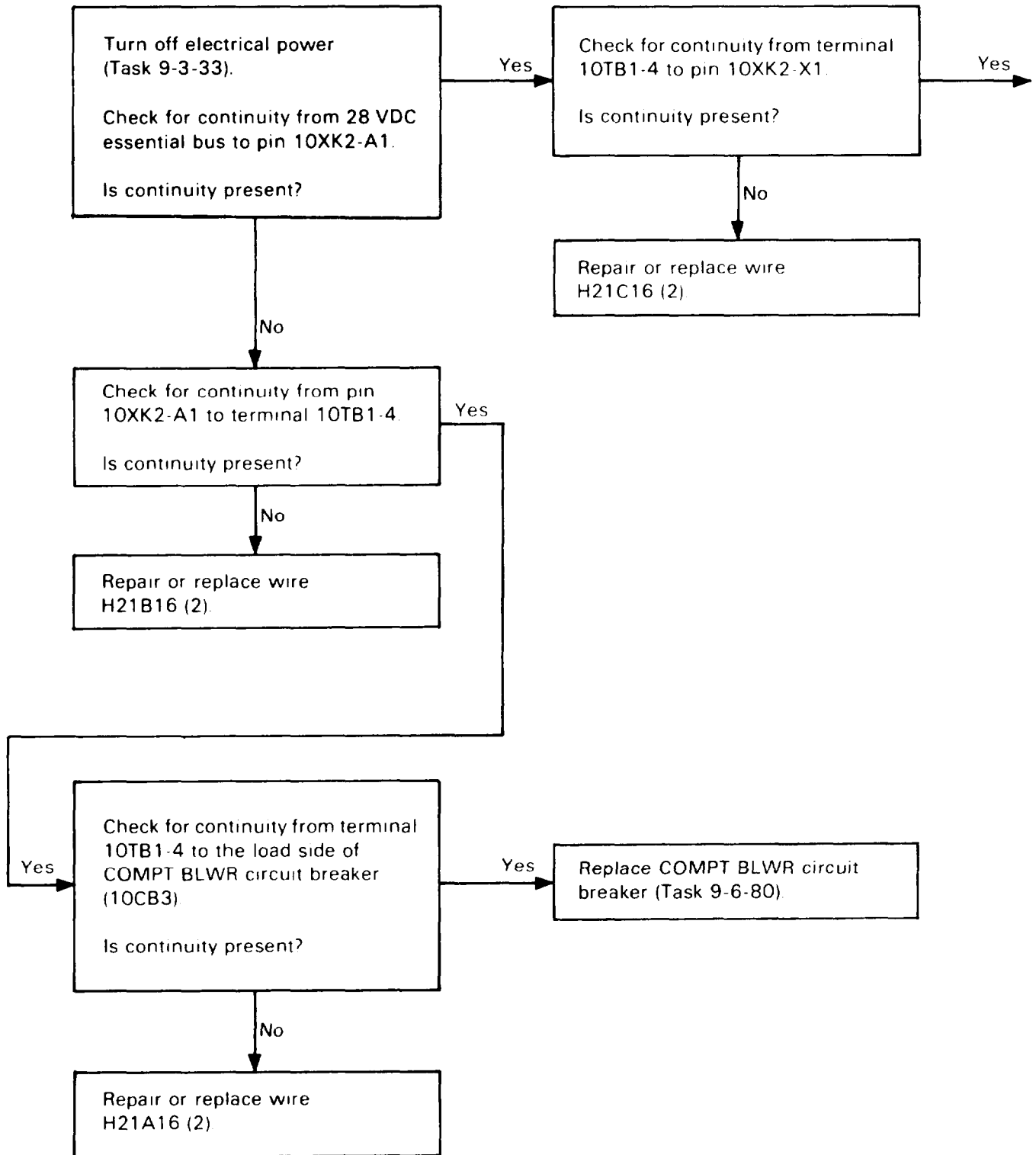
8. ADVISORY PITOT HEAT ON MESSAGE NOT DISPLAYED ON MFD WITH PITOT HEAT SWITCH ON



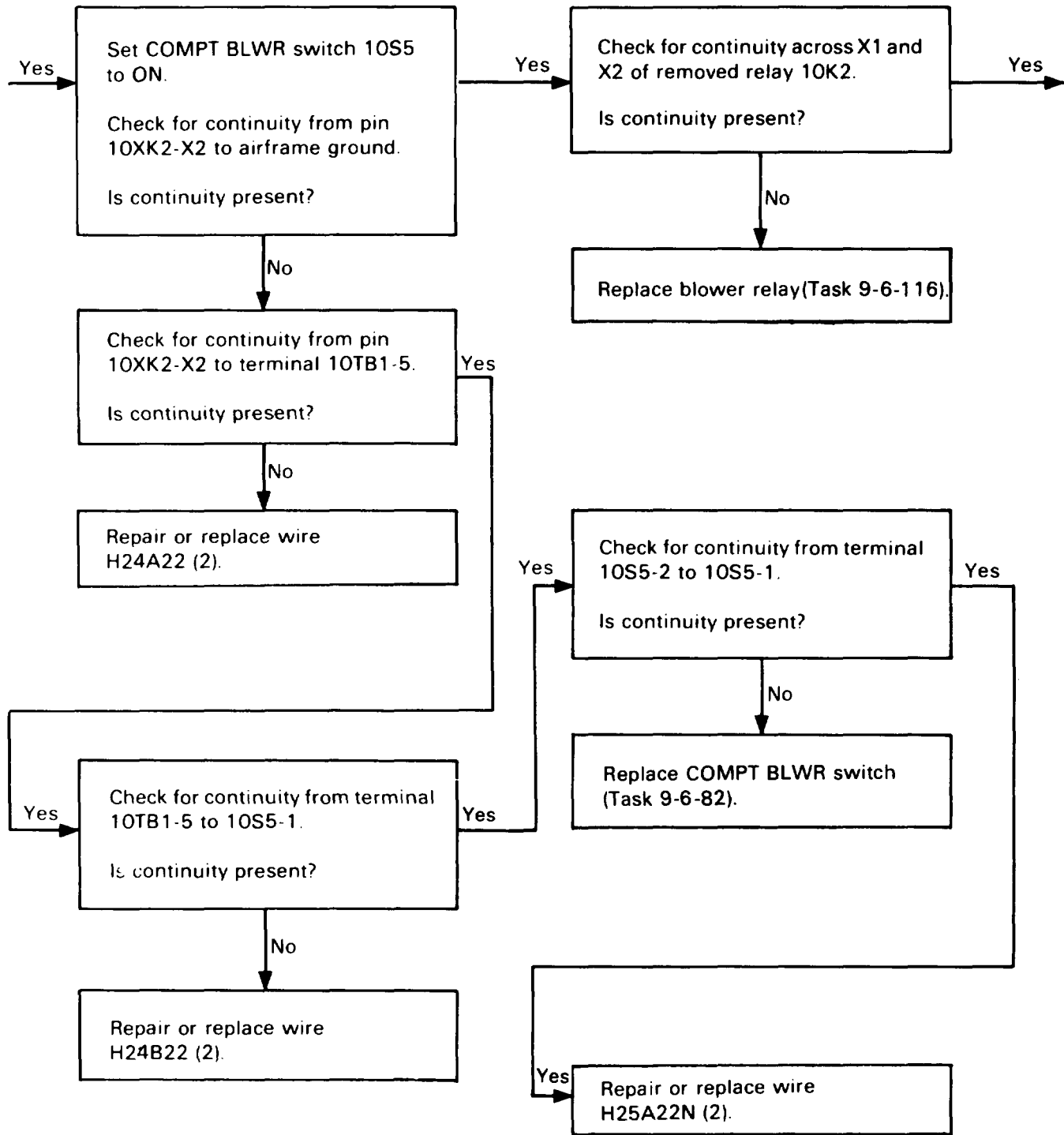
8. ADVISORY PITOT HEAT ON MESSAGE NOT DISPLAYED ON MFD WITH PITOT HEAT SWITCH ON (CONT)



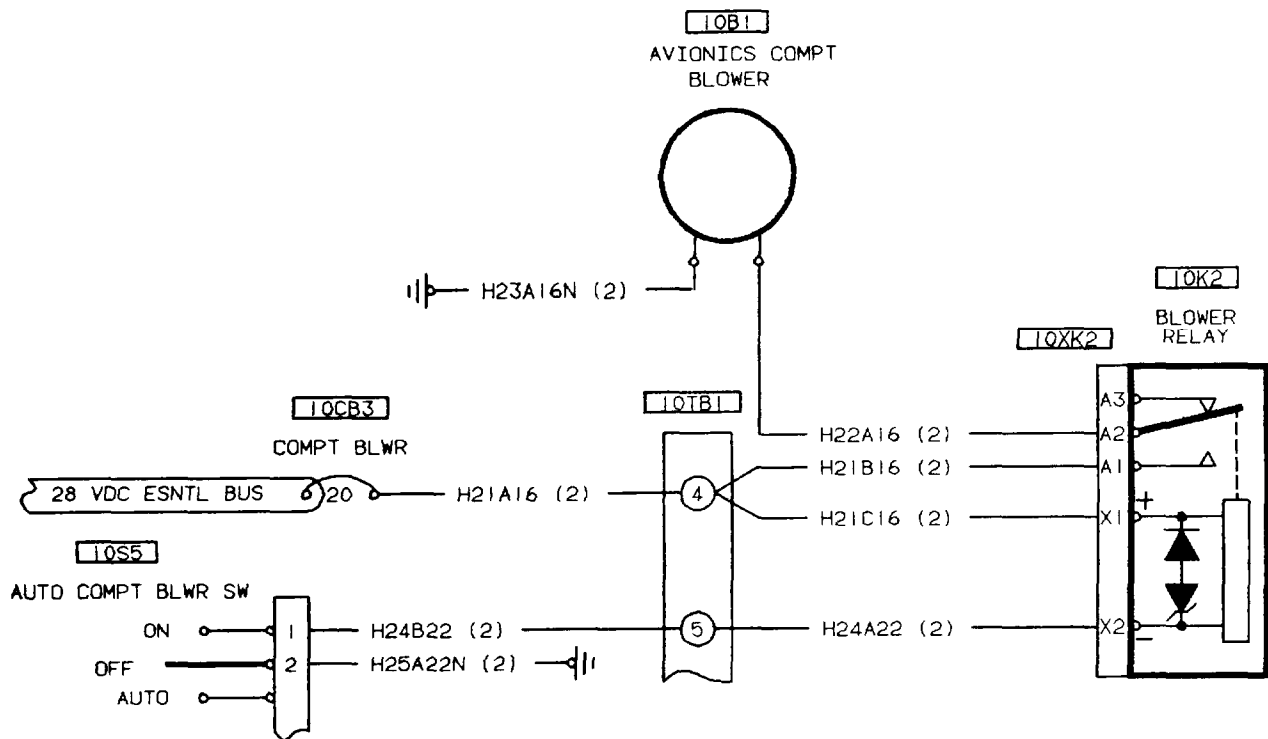
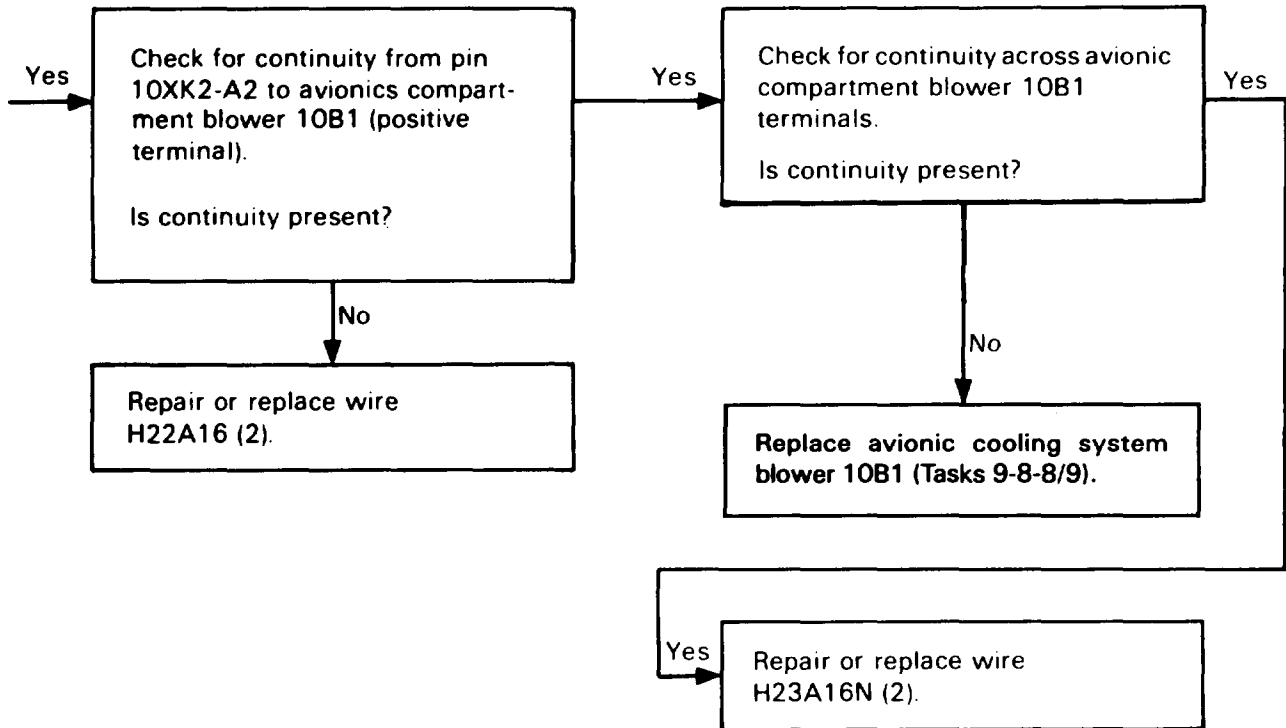
9. AVIONICS COMPARTMENT BLOWER DOES NOT OPERATE



9. AVIONICS COMPARTMENT BLOWER DOES NOT OPERATE (CONT)

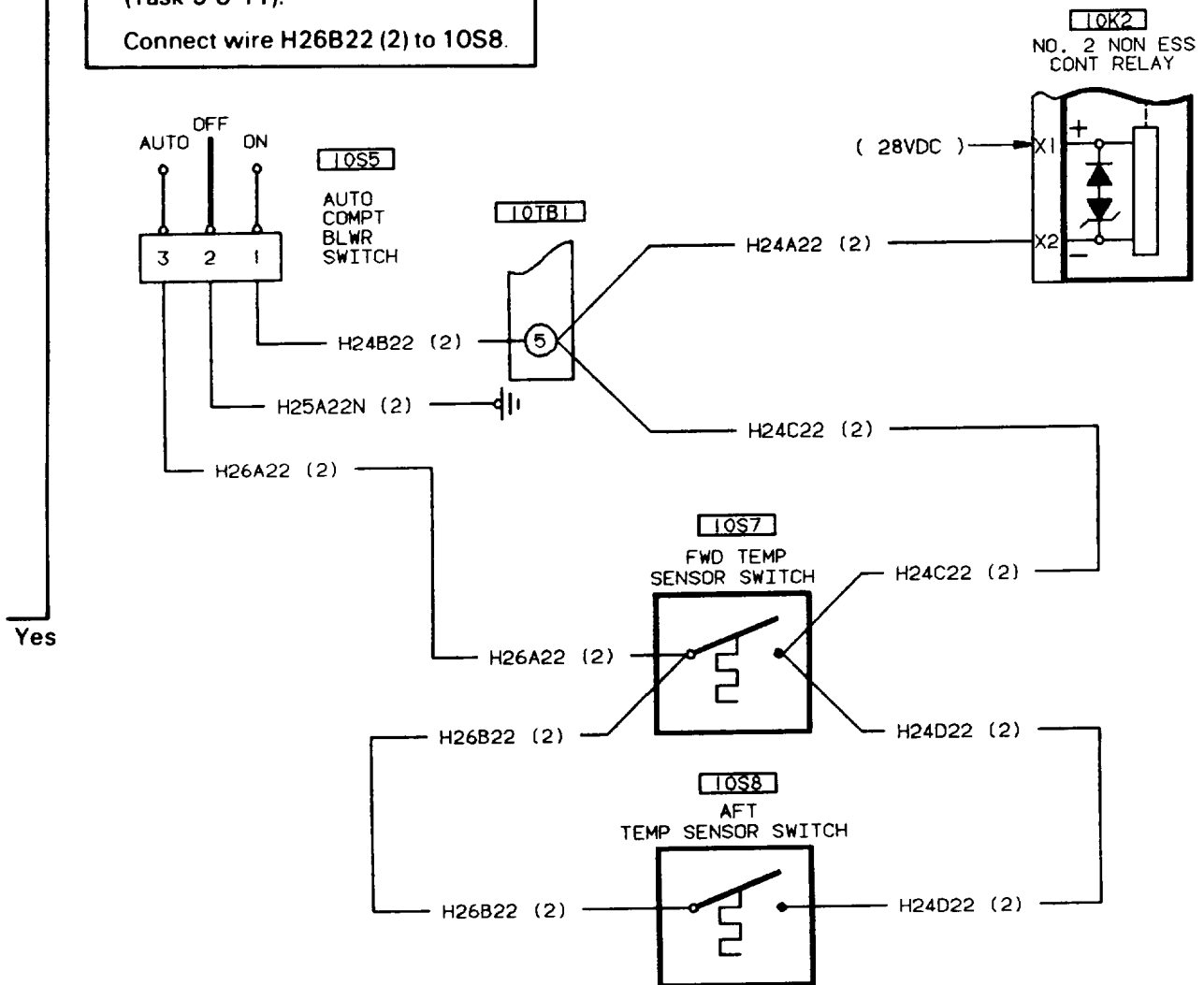
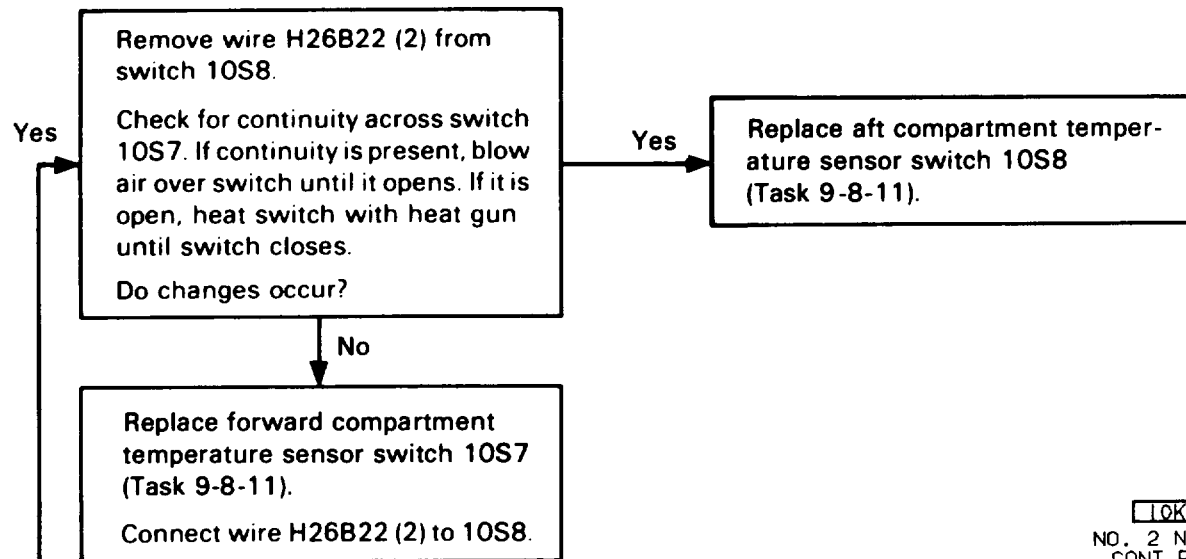


9. AVIONICS COMPARTMENT BLOWER DOES NOT OPERATE (CONT)

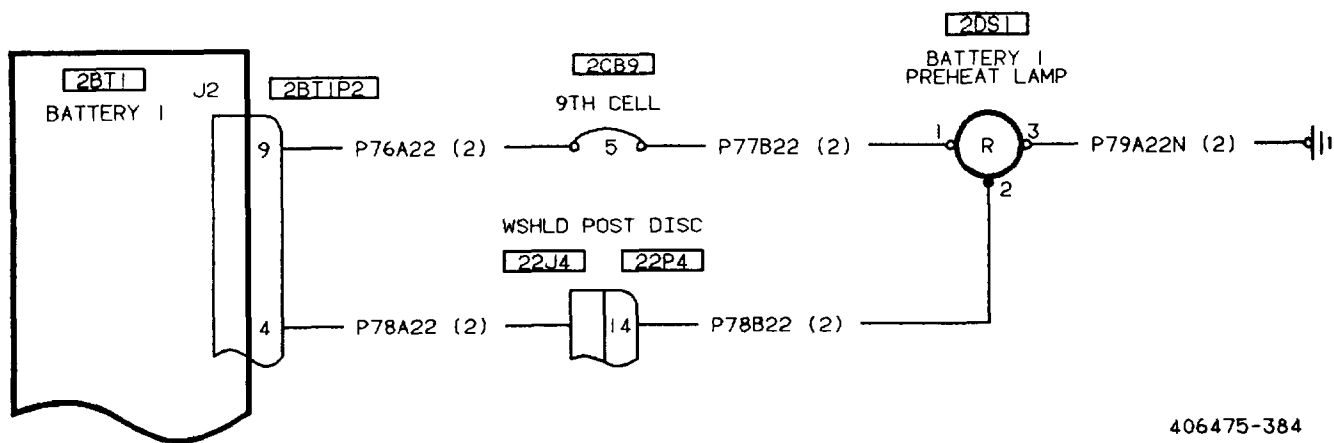
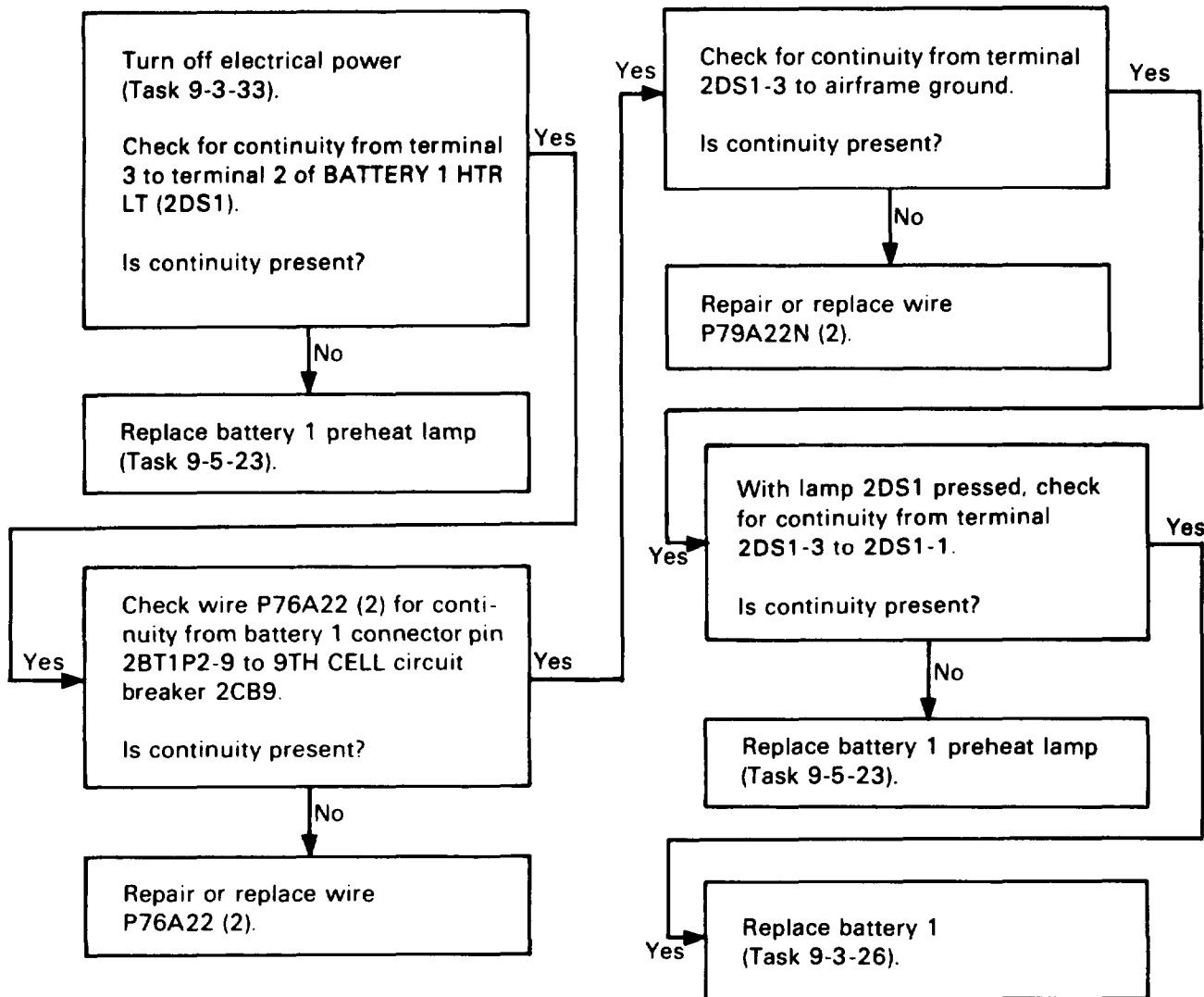


406475-382

10. AVIONICS COMPARTMENT BLOWER NOT CONTROLLED BY TEMPERATURE SENSING SWITCHES (CONT)



11. BATTERY 1 PREHEAT LIGHT NOT LIT DURING PRESS-TO-TEST



406475-384

12. BATTERY 1 PREHEAT LIGHT IS LIT AT TEMPERATURE ABOVE -10°F

Turn off external dc electrical power (Task 9-3-33).

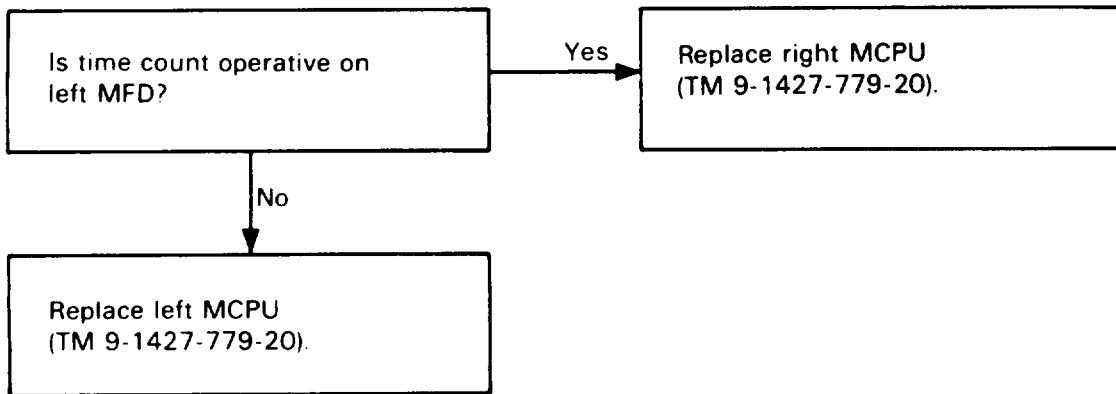
Replace battery 1 (Task 9-3-26).

13. BATTERY 1 VOLTAGE NOT AT CONNECTOR 2BT1J2-15

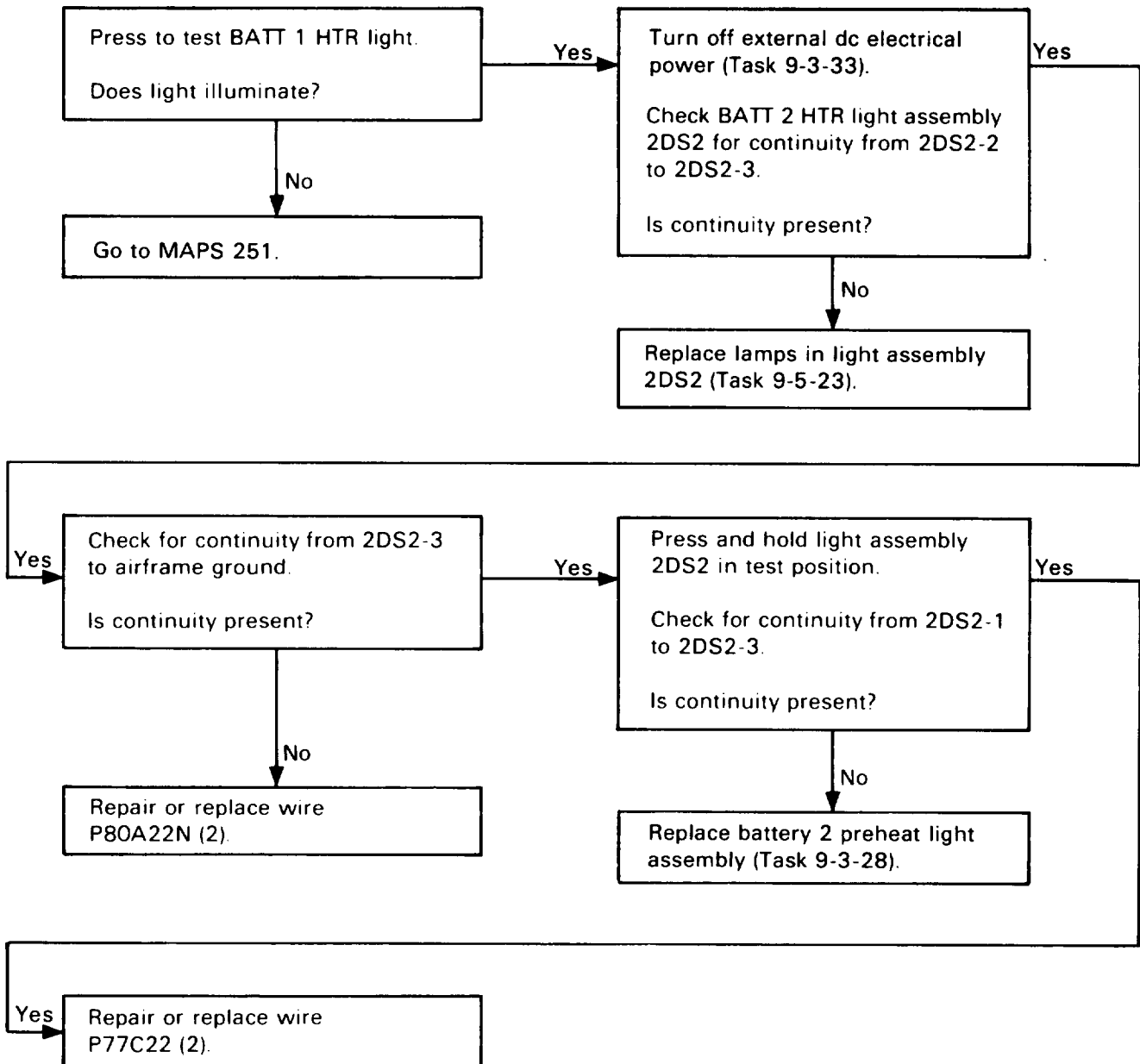
Turn off external dc electrical power (Task 9-3-33).

Replace battery 1 (Task 9-3-26).

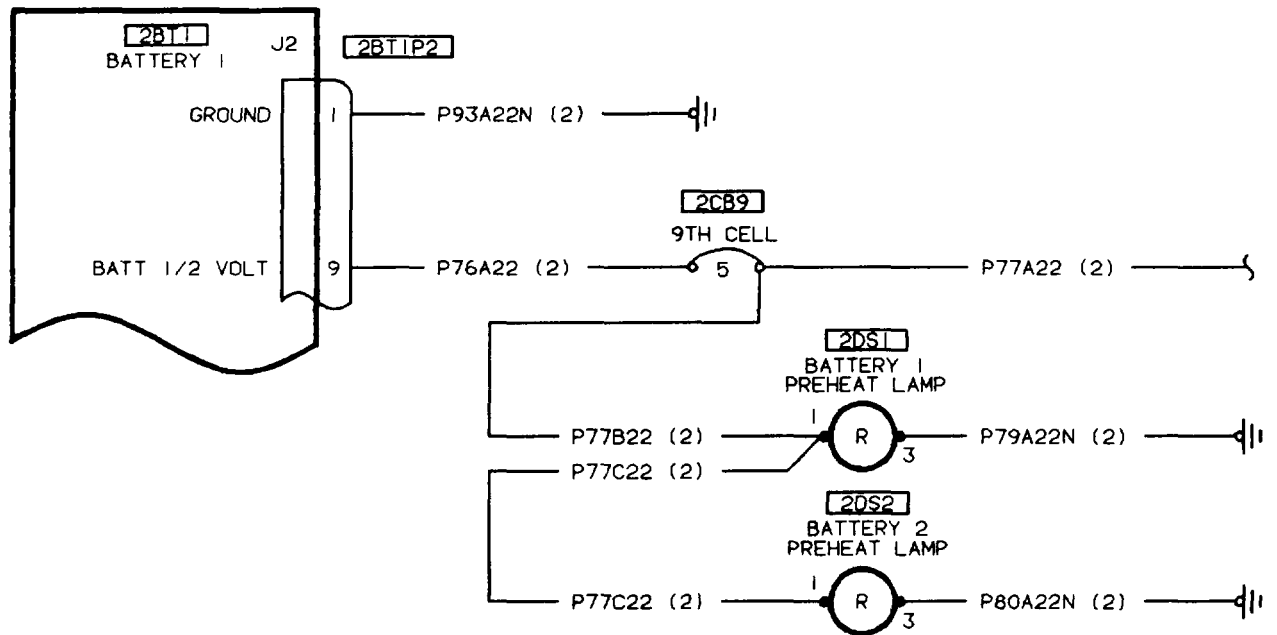
14. MFD INITIAL PAGE TIME FUNCTION IS NOT COUNTING UP IN TIME



15. BATTERY 2 PREHEAT LIGHT IS NOT LIT IN PRESS-TO-TEST



15. BATTERY 2 PREHEAT LIGHT IS NOT LIT IN PRESS-TO-TEST (CONT)

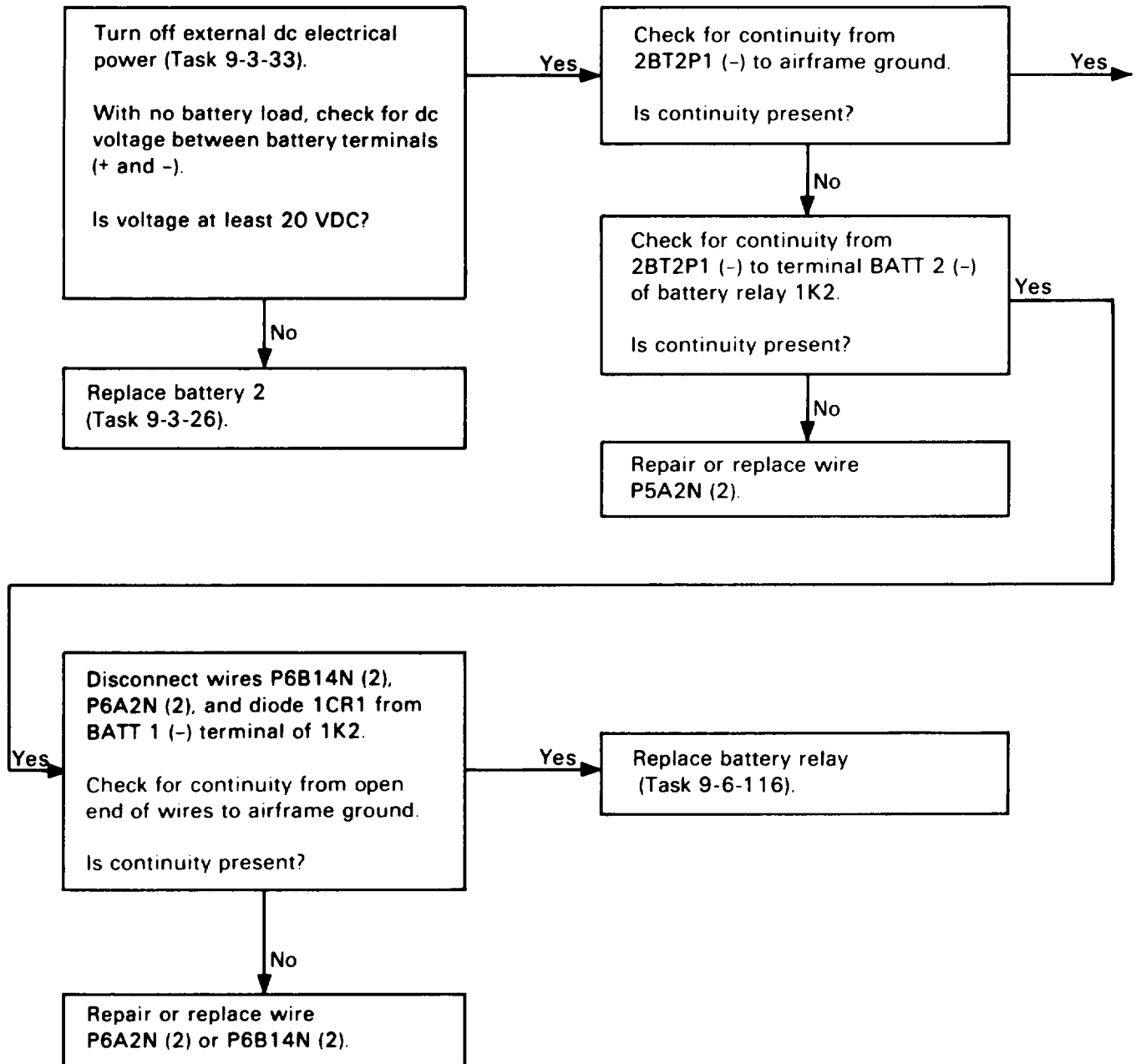


406475-385

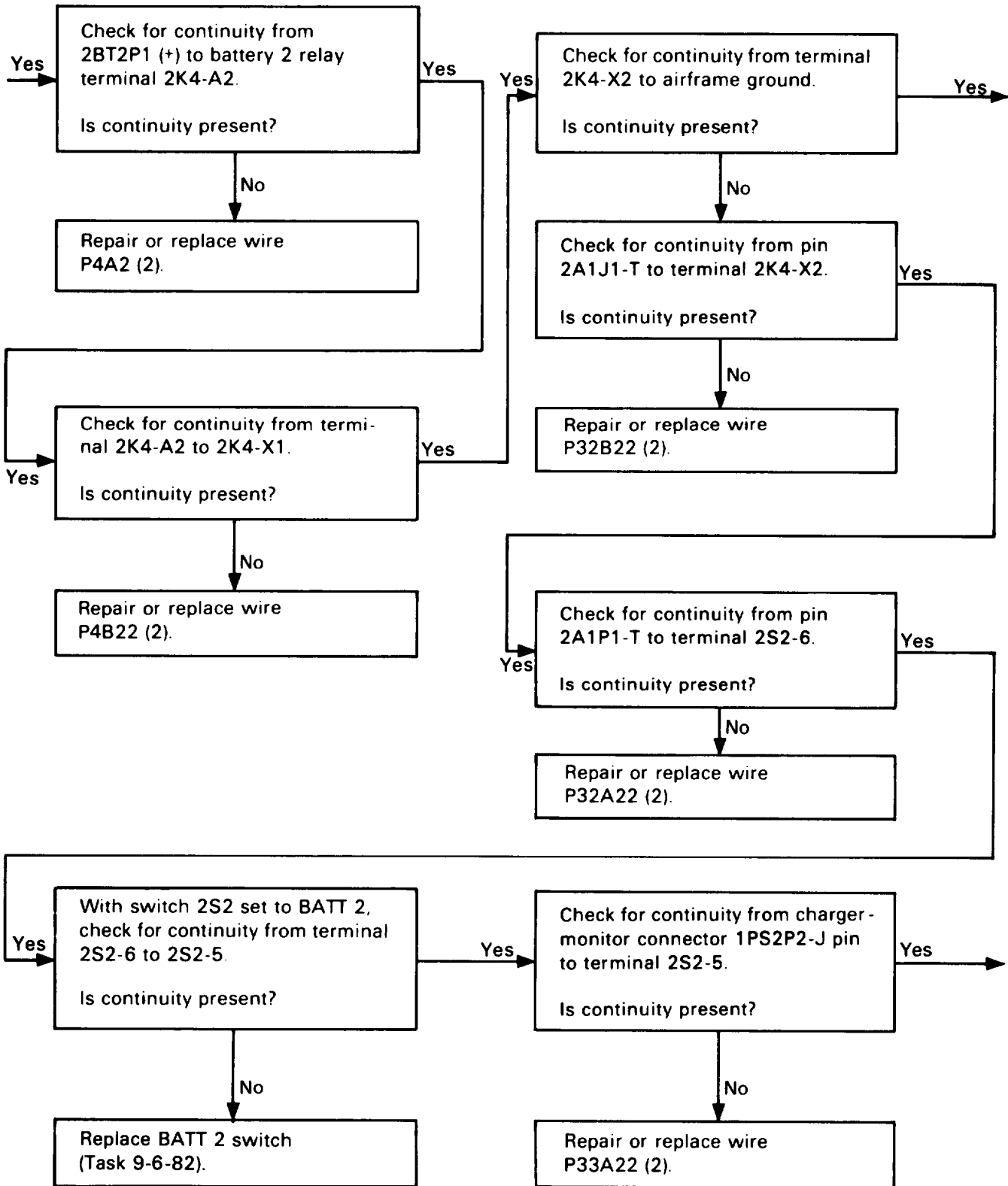
16. BATTERY 2 PREHEAT LIGHT COMES ON AT A TEMPERATURE ABOVE -10°F

Replace battery 2
(Task 9-3-26).

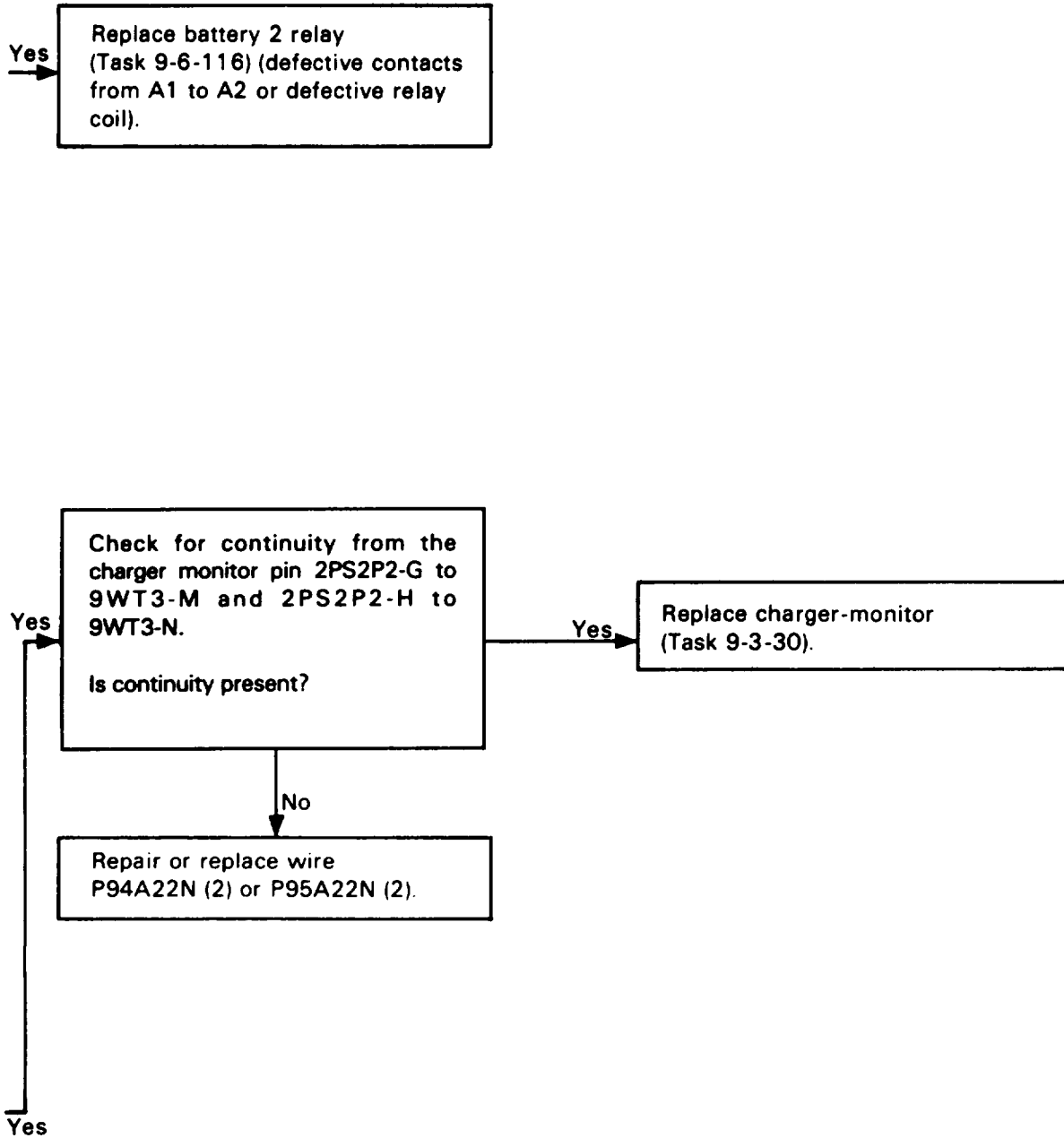
17. BATTERY 2 WILL NOT COME ON (BATT 2 SWITCH IS SET TO BATT 2)



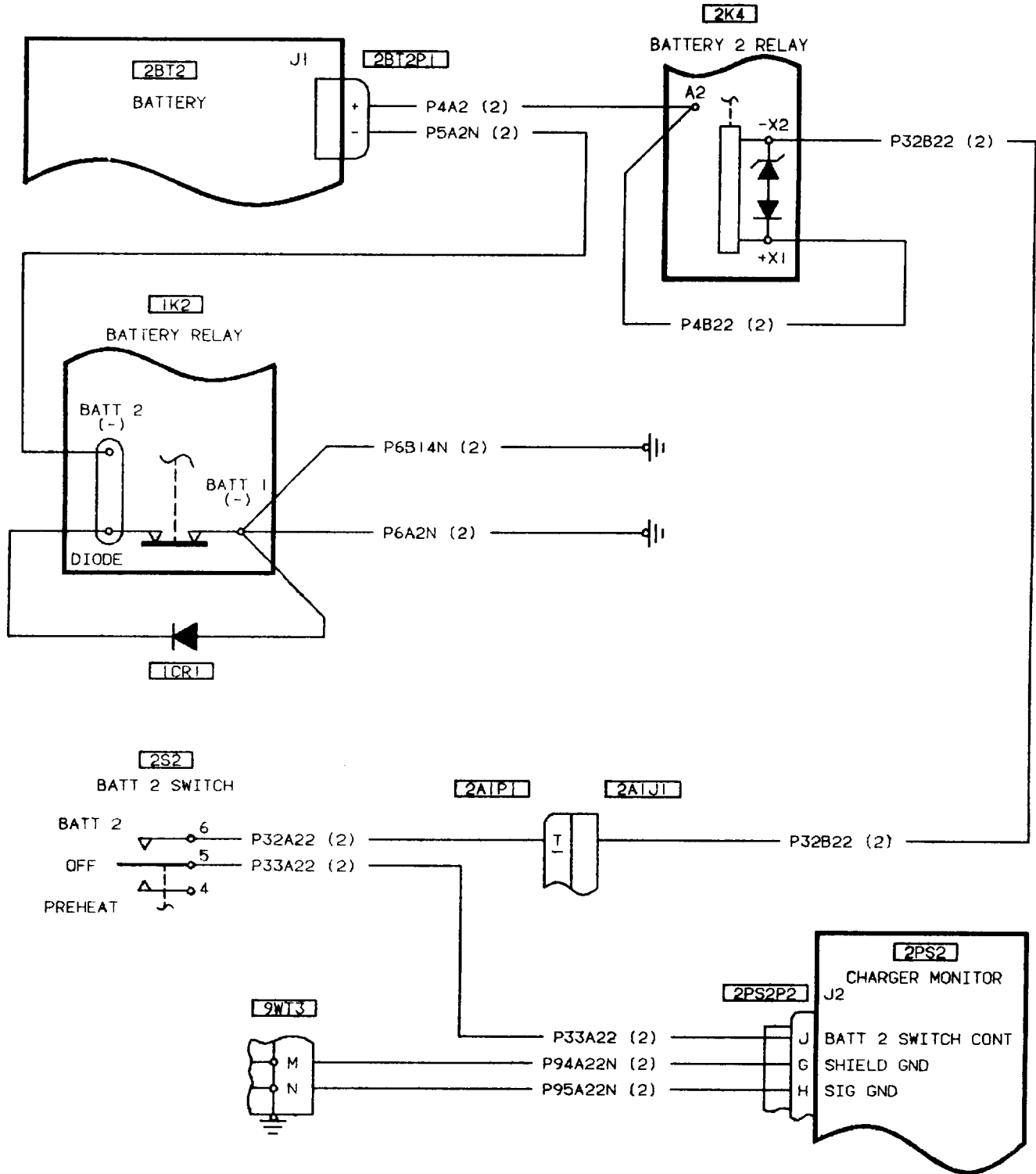
17. BATTERY 2 WILL NOT COME ON (BATT 2 SWITCH IS SET TO BATT 2) (CONT)



17. BATTERY 2 WILL NOT COME ON (BATT 2 SWITCH IS SET TO BATT 2) (CONT)

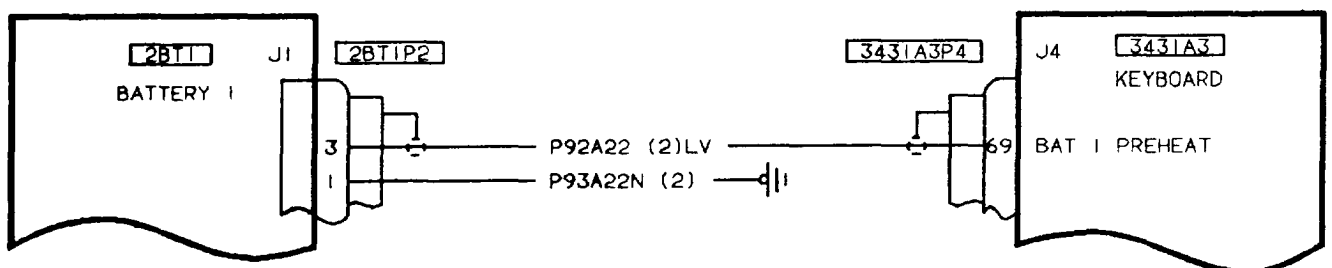
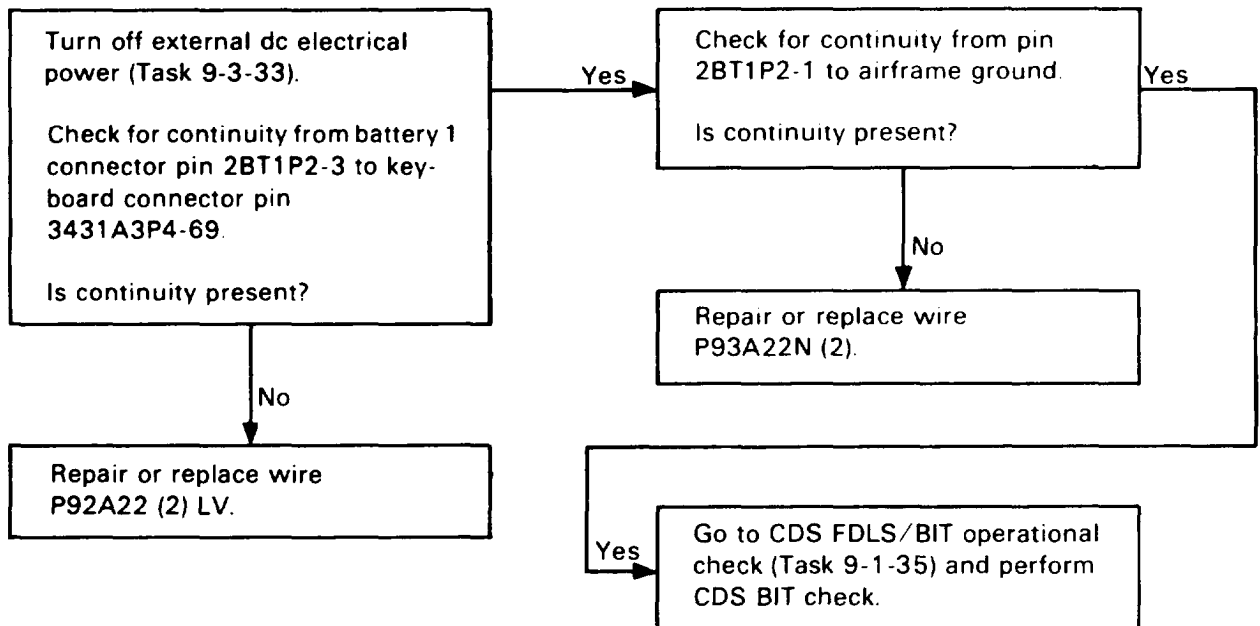


17. BATTERY 2 WILL NOT COME ON (BATT 2 SWITCH IS SET TO BATT 2) (CONT)



406475-336
H2085

18. BATT PREHEAT ON NOT DISPLAYED ON MFD (EXTERNAL POWER ON AND JUMPER BETWEEN PINS 1 & 3 OF CONNECTOR 2BT1P2)

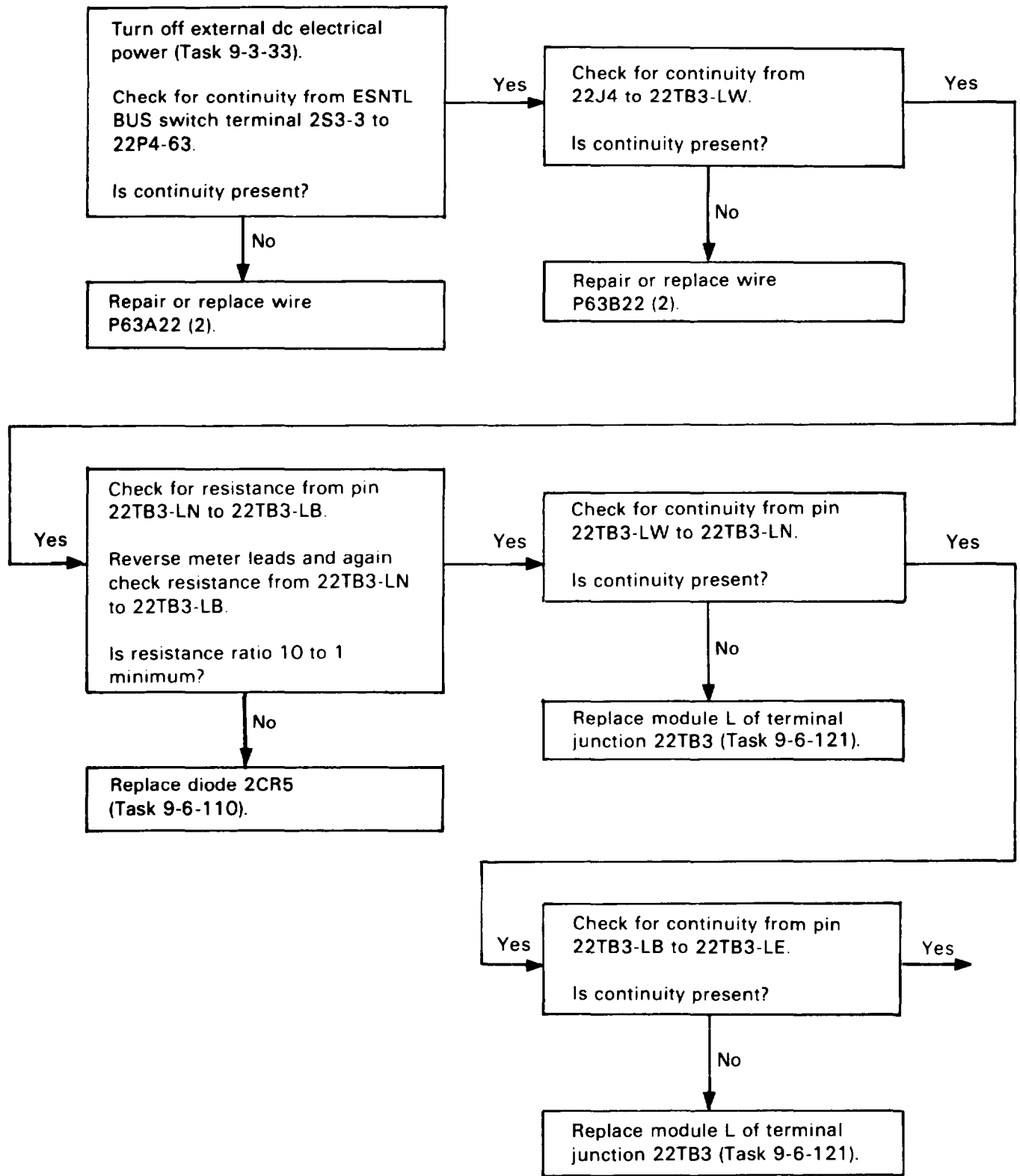


406475-329
H2086

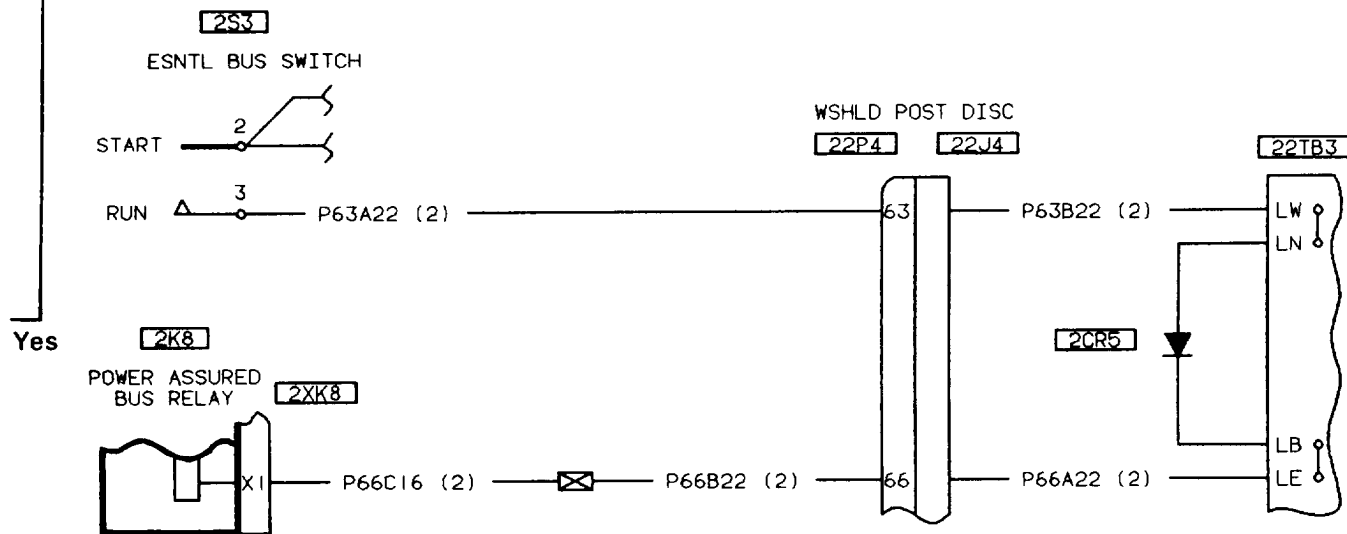
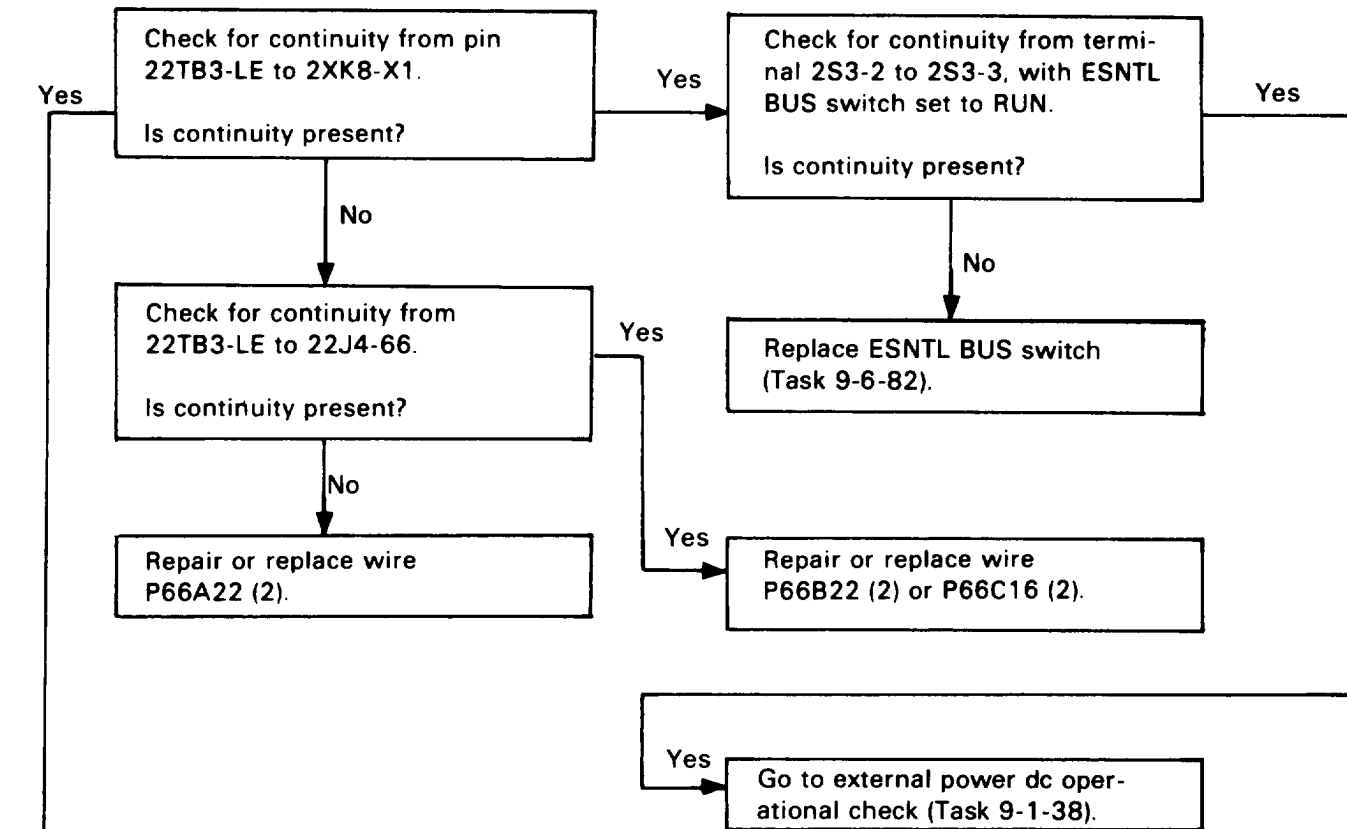
19. BATTERY VOLTAGE NOT FOUND AT 2BT2P2-15

Replace battery 2
(Task 9-3-26).

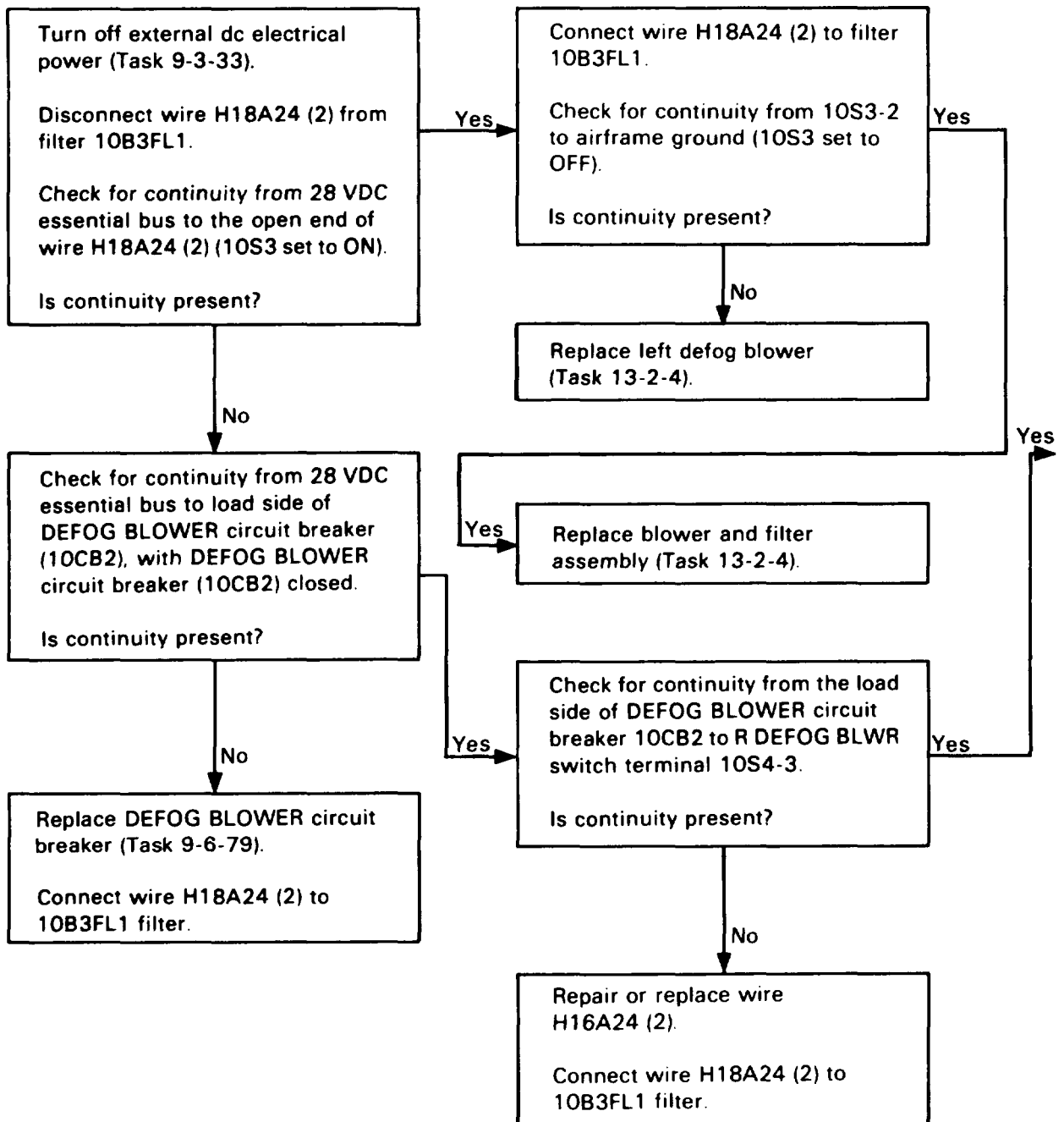
20. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (BATT 1 SWITCH SET TO BATT 1)



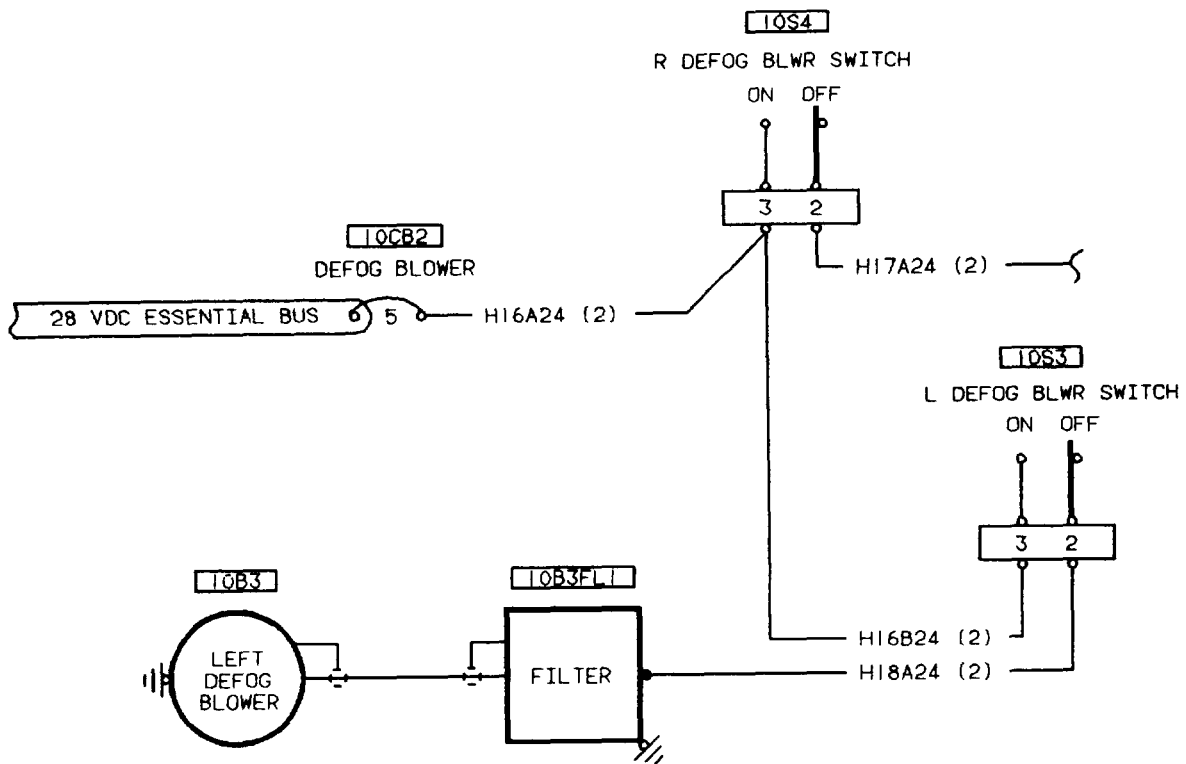
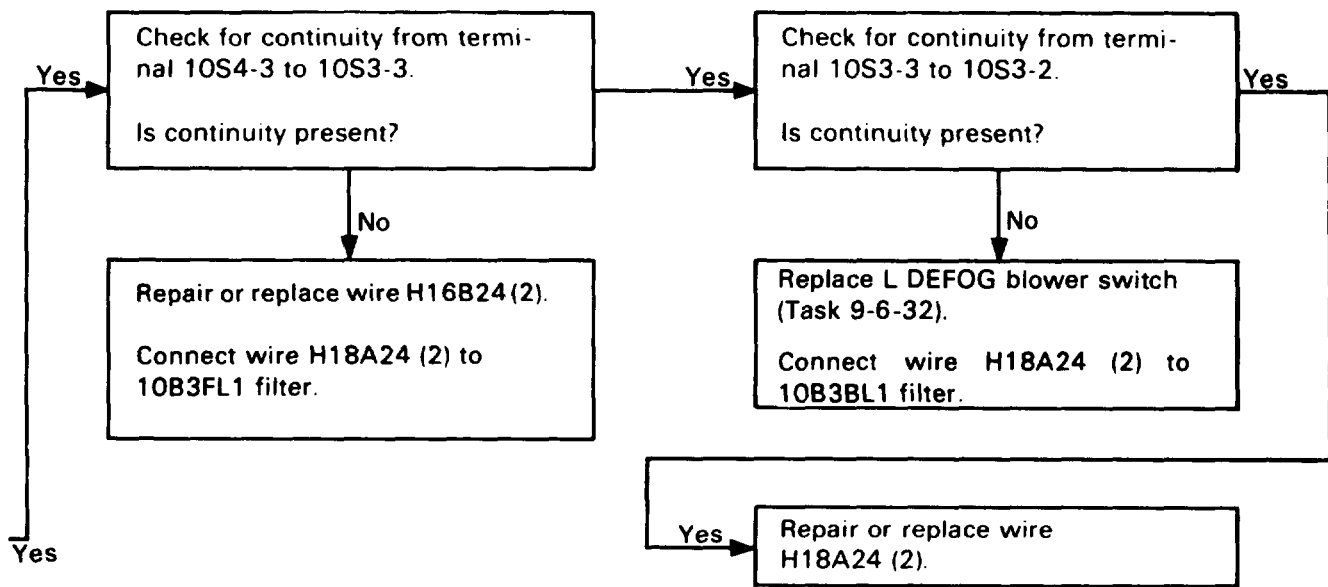
20. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (BATT 1 SWITCH SET TO BATT 1) (CONT)



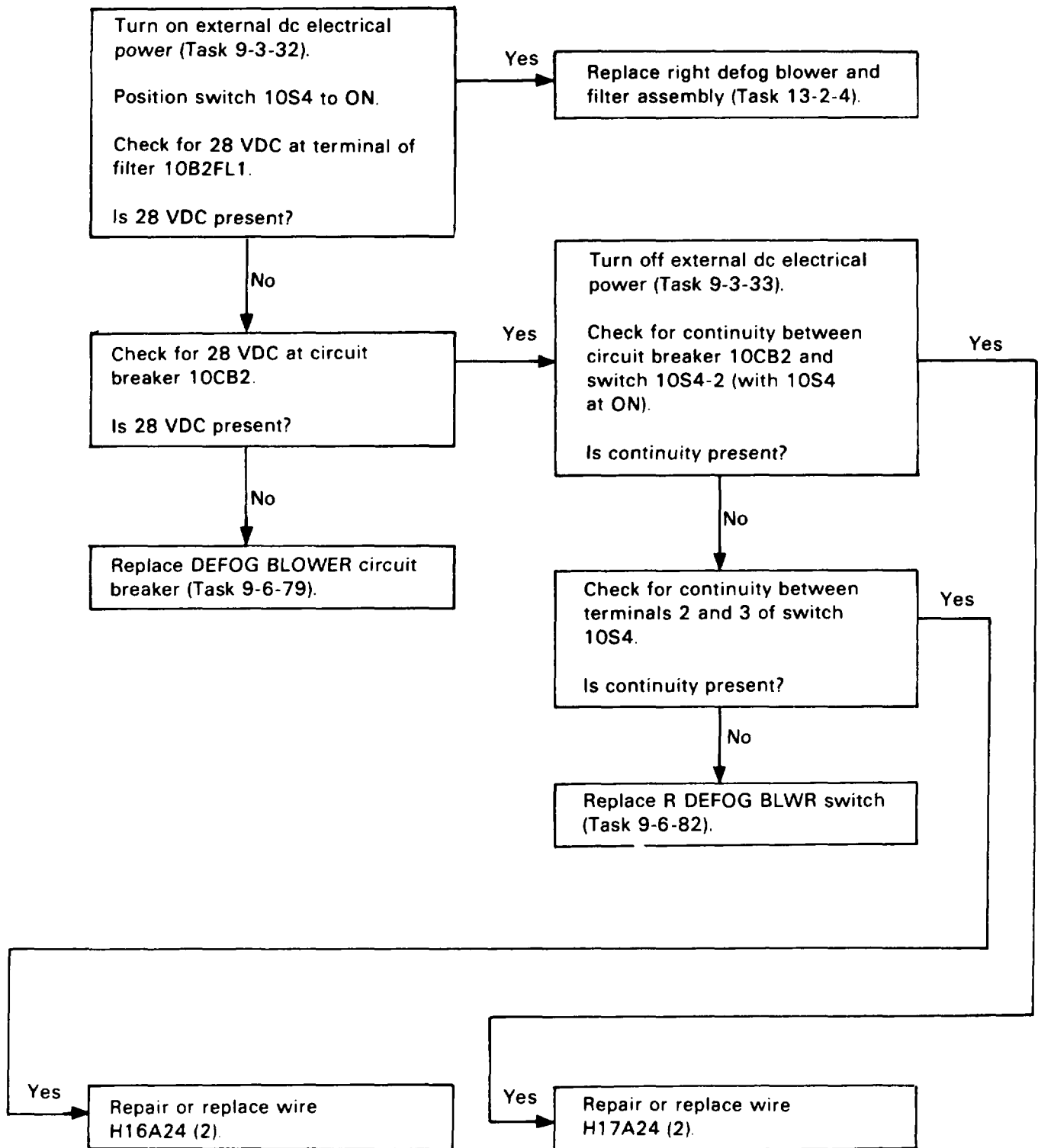
21. LEFT DEFOG BLOWER DOES NOT OPERATE



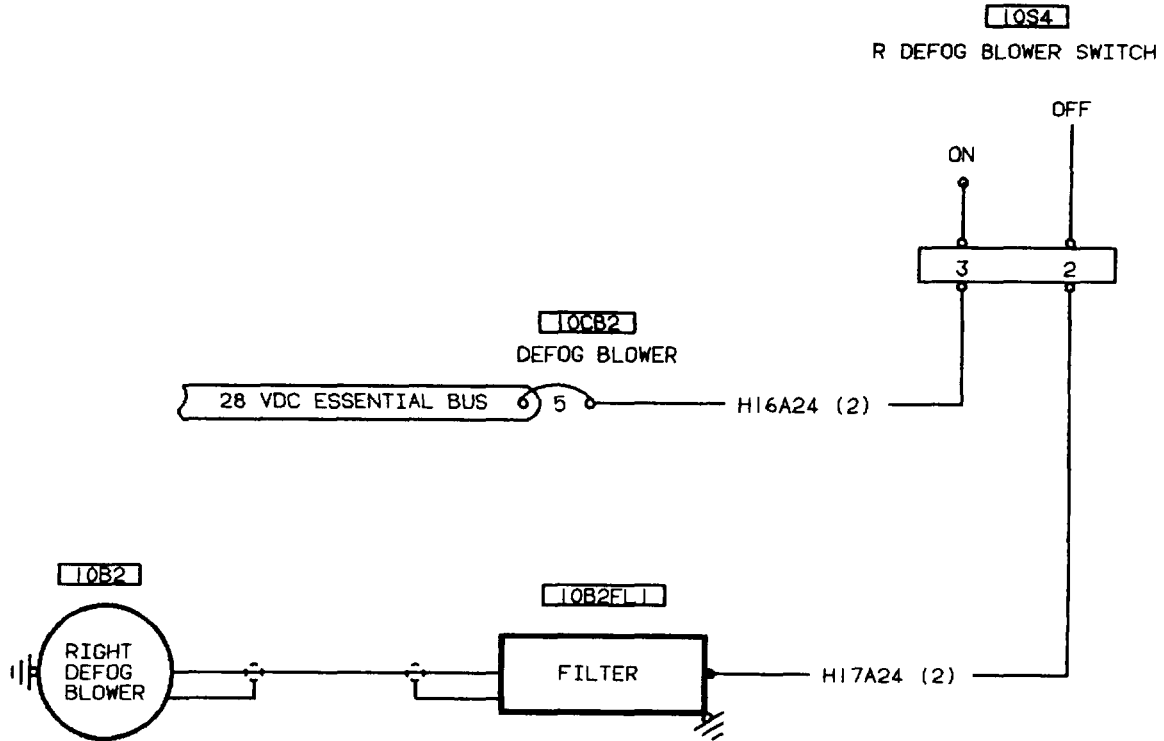
21. LEFT DEFOG BLOWER DOES NOT OPERATE (CONT)



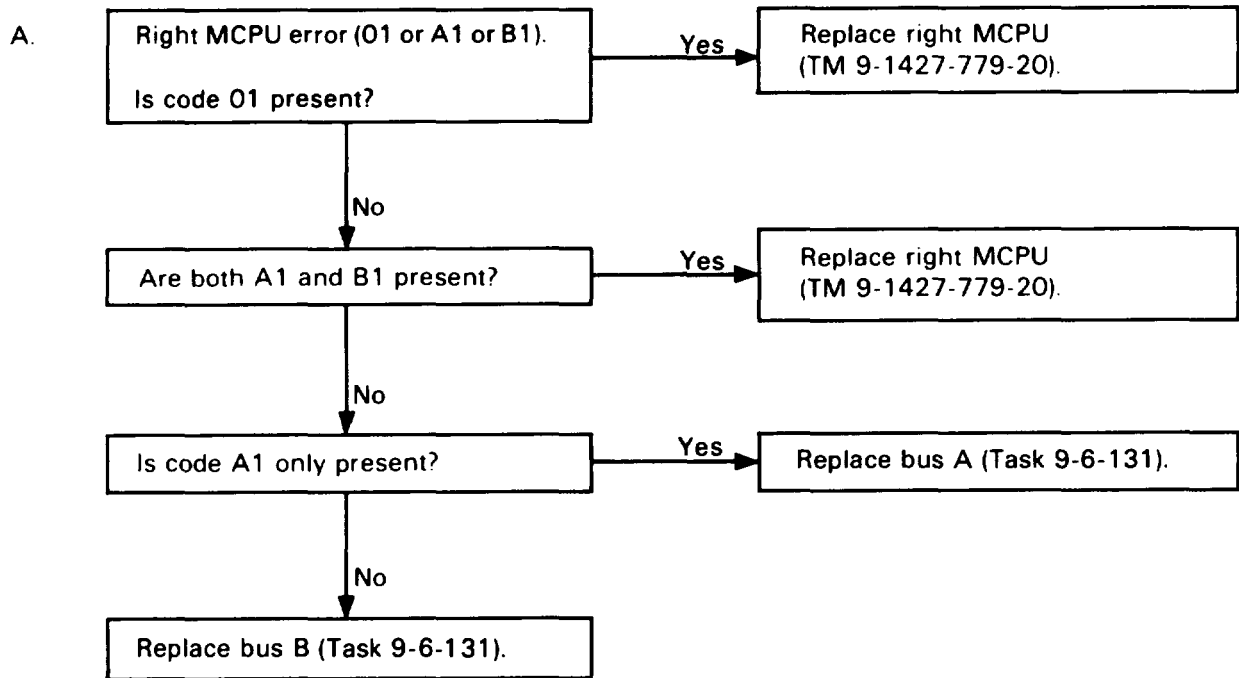
22. RIGHT DEFOG BLOWER DOES NOT OPERATE (DURING BATTERY NO. 1)



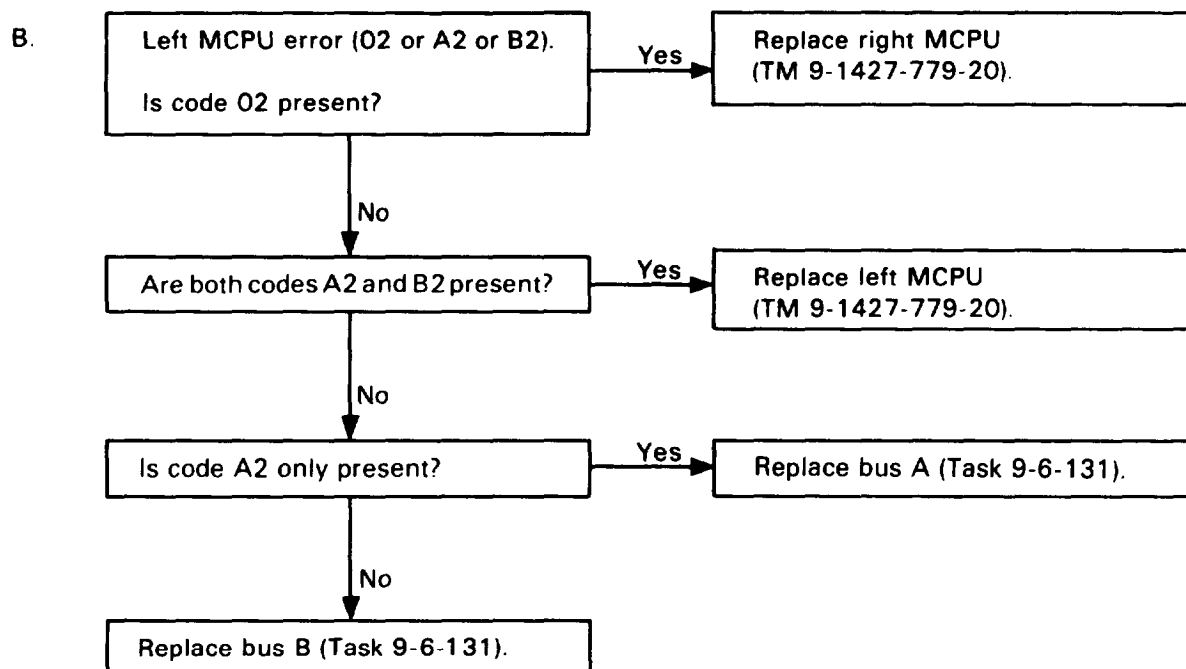
22. RIGHT DEFOG BLOWER DOES NOT OPERATE (DURING BATTERY NO. 1) (CONT)



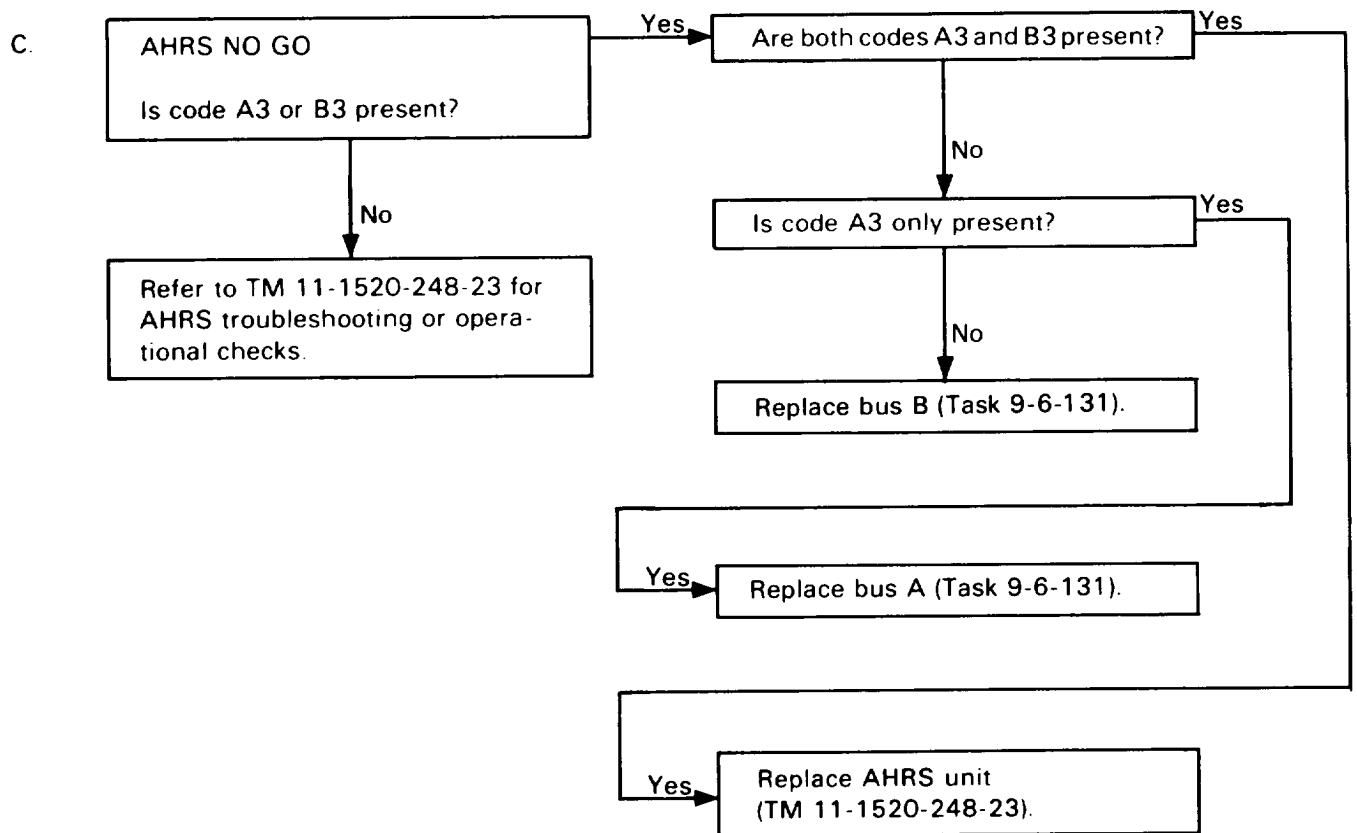
23. CDS BIT PROVIDES NO GO ERROR CODES ON MFD WHEN CHECKING MUX DATA BUS



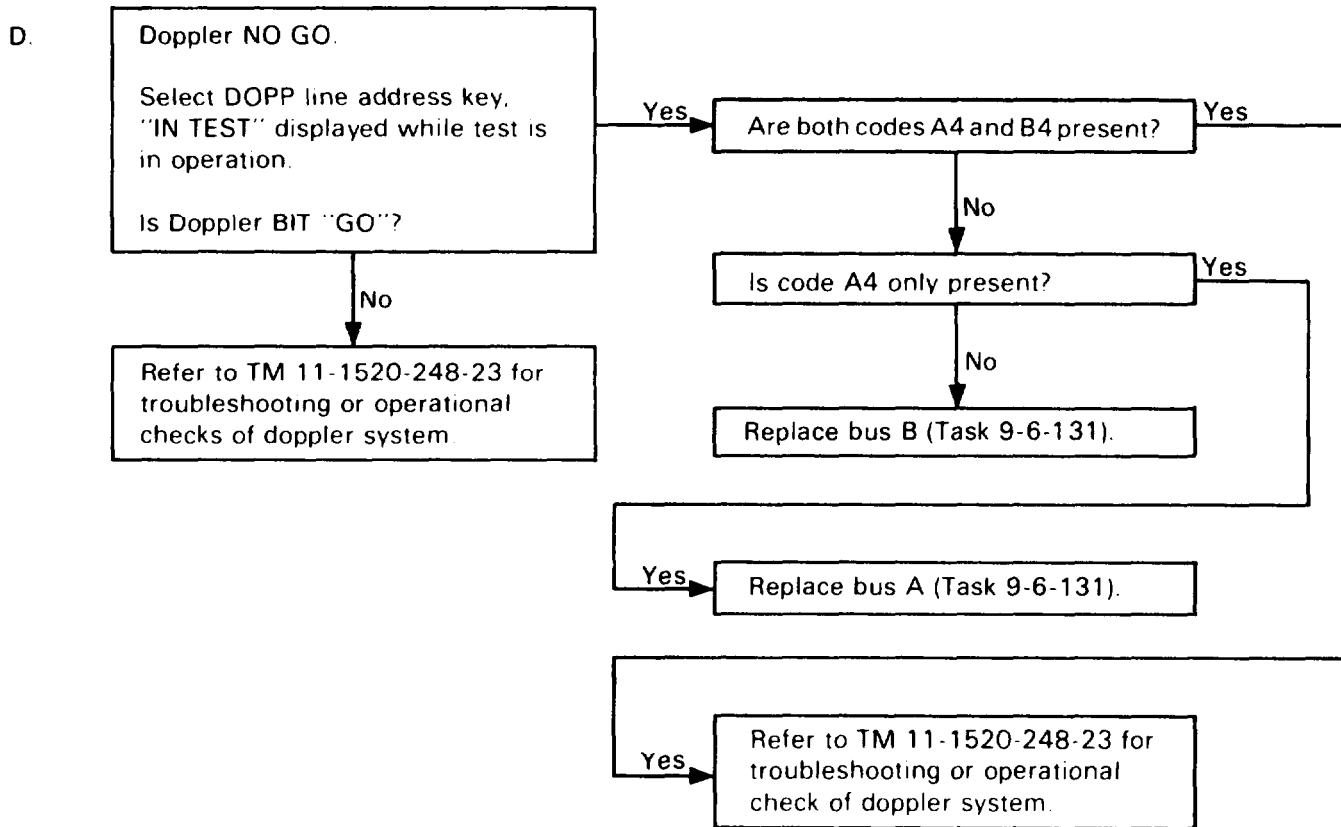
23. CDS BIT PROVIDES NO GO ERROR CODES ON MFD WHEN CHECKING MUX DATA BUS (CONT)



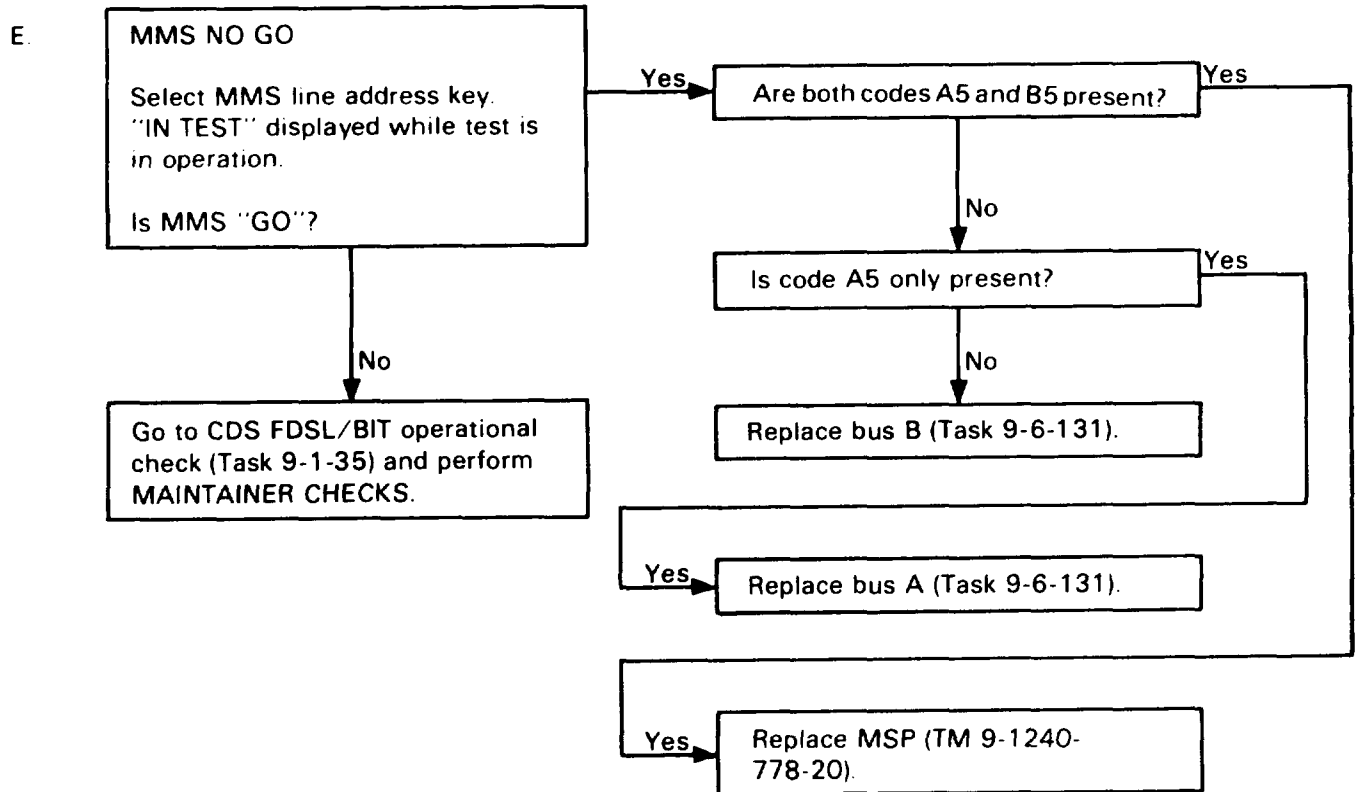
23. CDS BIT PROVIDES NO GO ERROR CODES ON MFD WHEN CHECKING MUX DATA BUS (CONT)



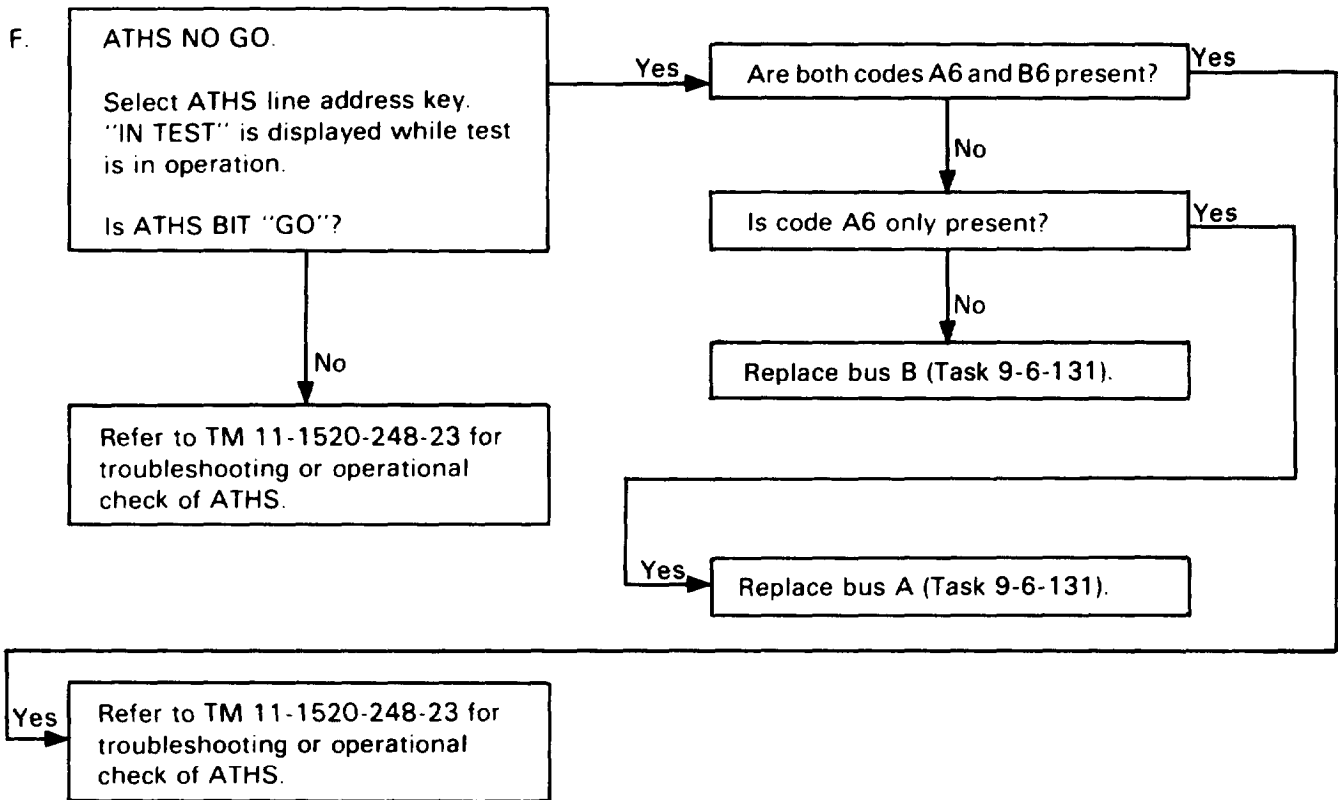
23. CDS BIT PROVIDES NO GO ERROR CODES ON MFD WHEN CHECKING MUX DATA BUS (CONT)



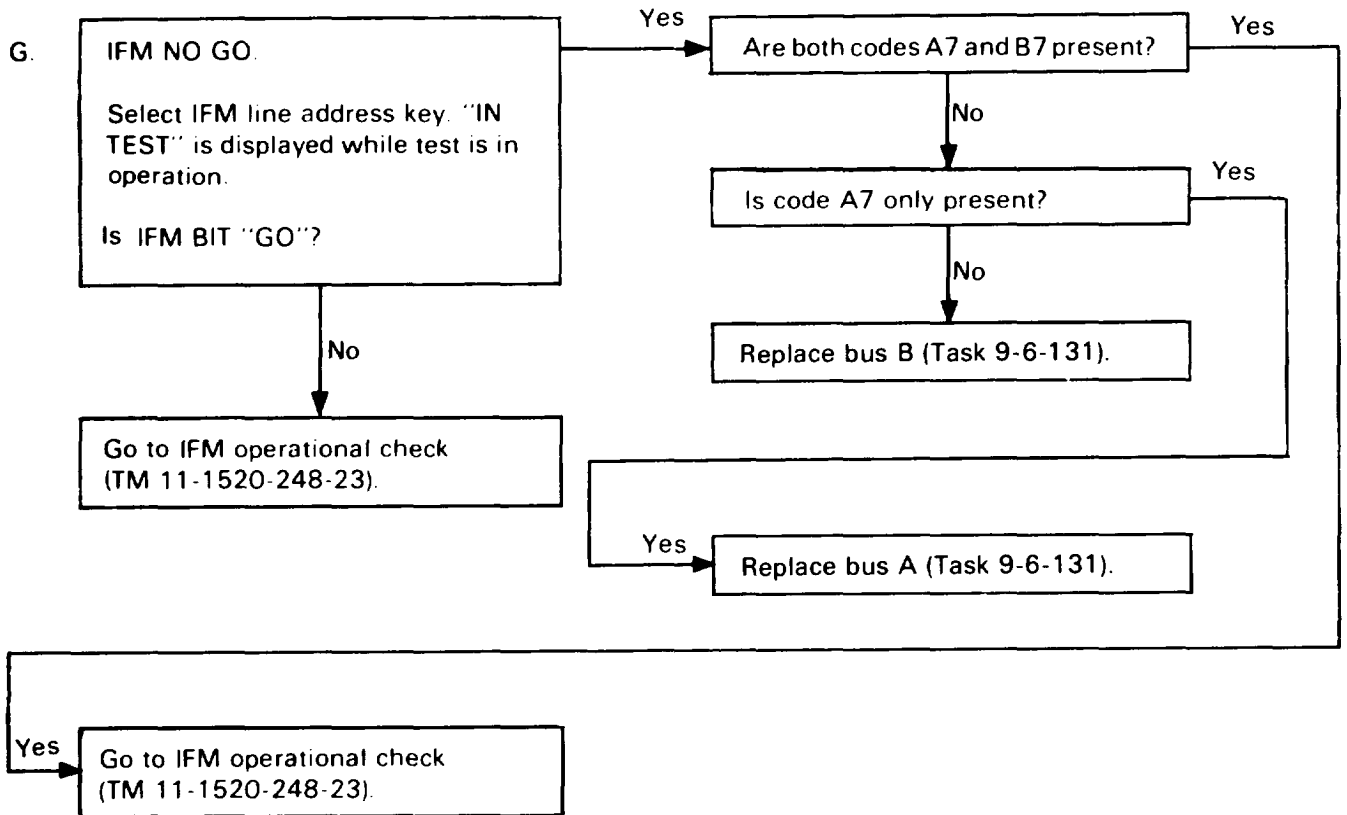
23. CDS BIT PROVIDES NO GO ERROR CODES ON MFD WHEN CHECKING MUX DATA BUS (CONT)



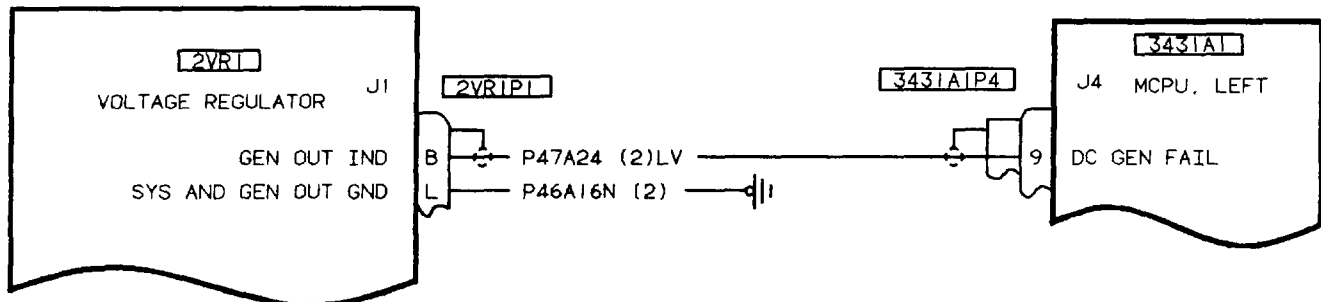
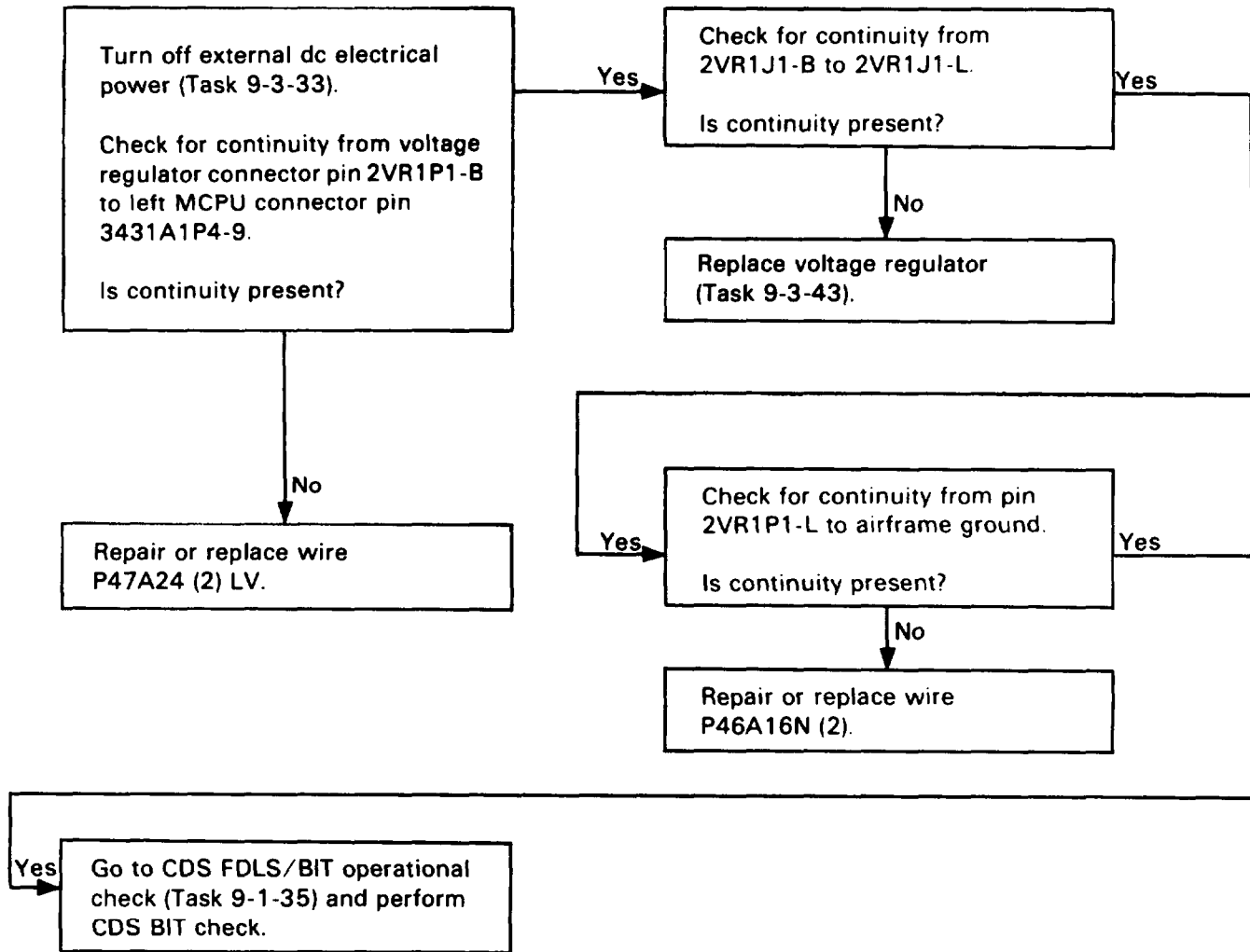
23. CDS BIT PROVIDES NO GO ERROR CODES ON MFD WHEN CHECKING MUX DATA BUS (CONT)



23. CDS BIT PROVIDES NO GO ERROR CODES ON MFD WHEN CHECKING MUX DATA BUS (CONT)



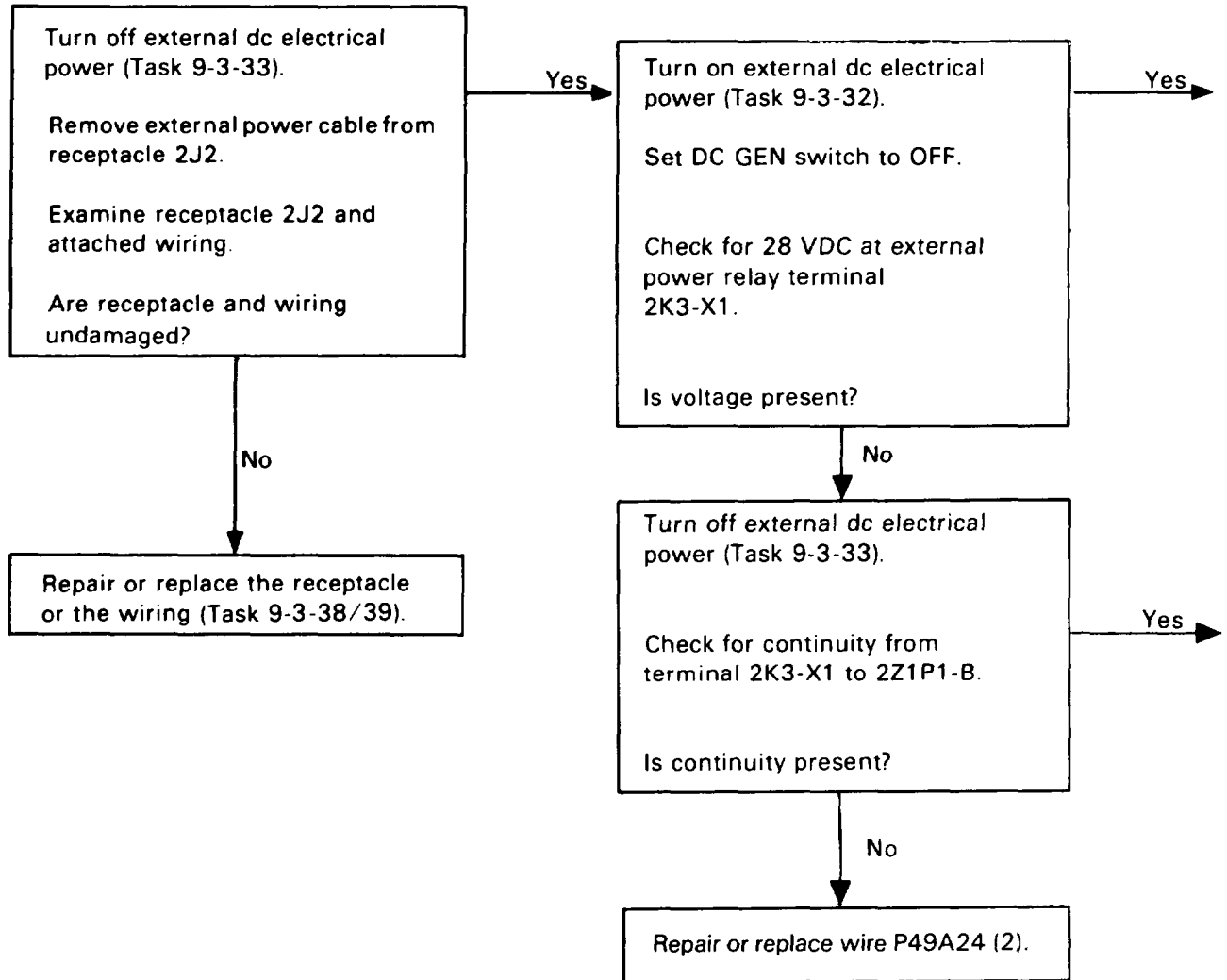
24. DC GEN FAIL MESSAGE NOT DISPLAYED ON MFD (DC GEN SWITCH SET TO OFF AND ENGINE RPM AT 100%)



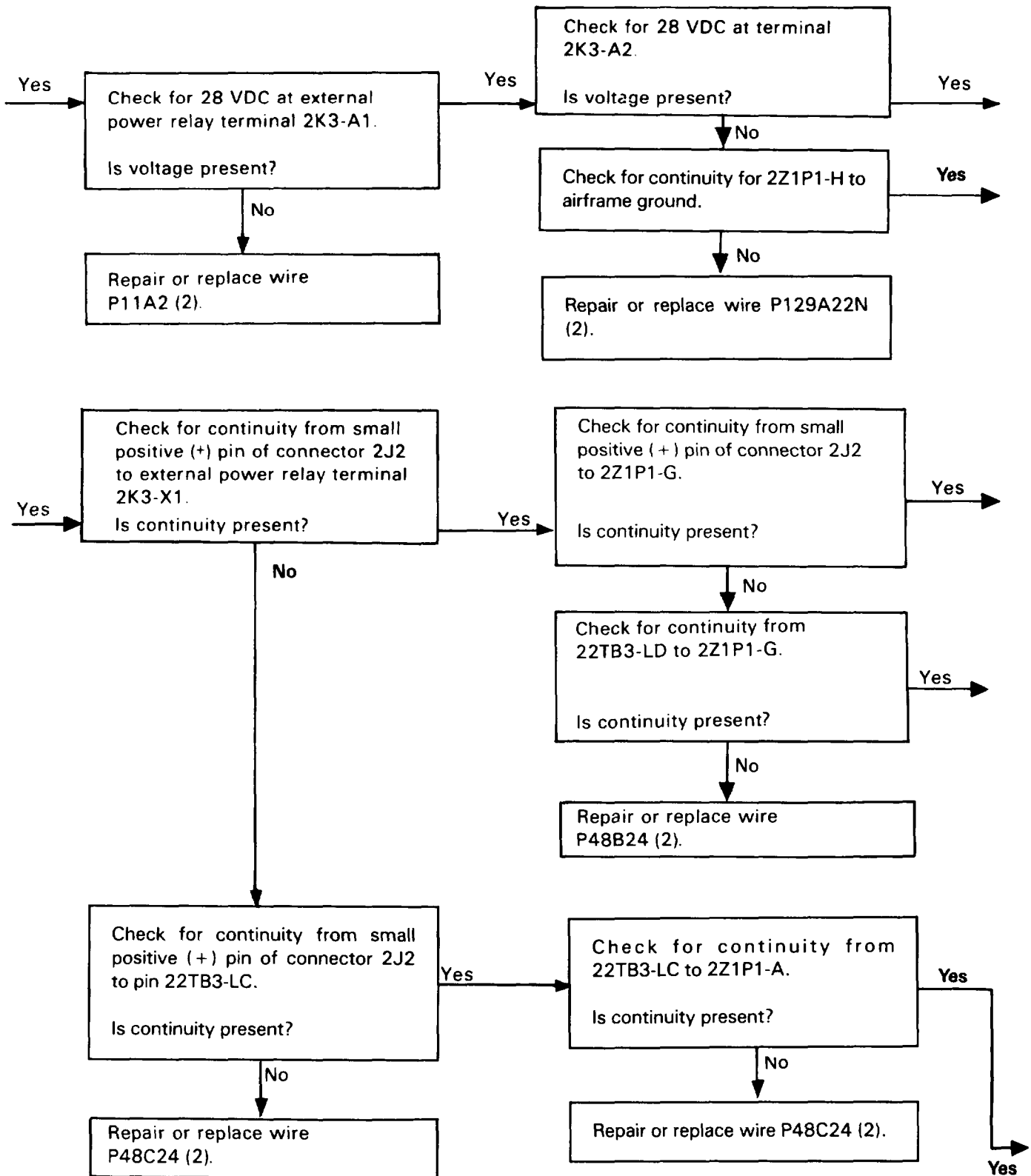
406475-337

25. EXTERNAL DC POWER DOES NOT COME ON

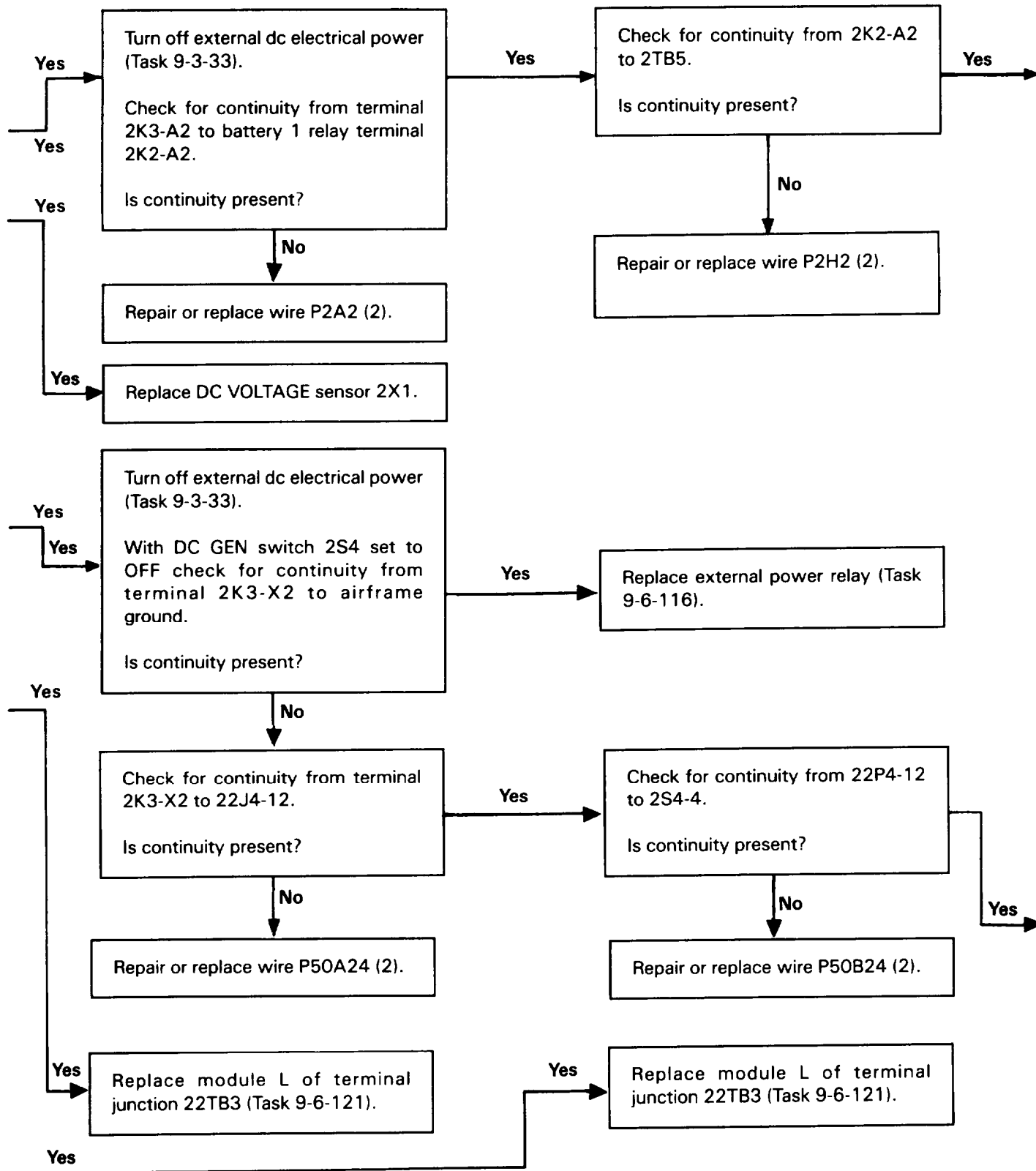
NOTE: Before troubleshooting, verify proper operation of dc external power supply by connecting source to another aircraft with a dc voltage sensor.



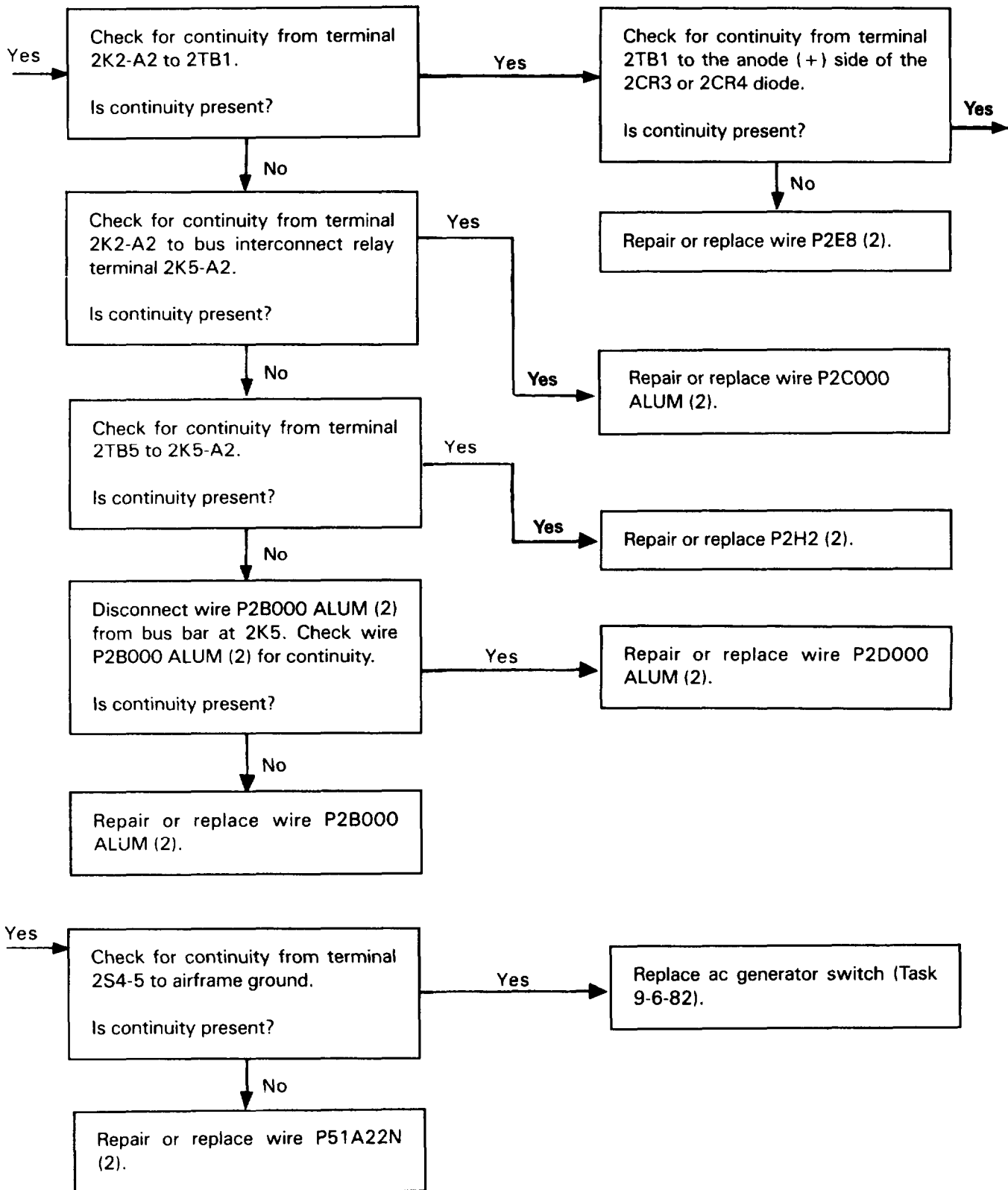
25. EXTERNAL DC POWER DOES NOT COME ON (CONT)



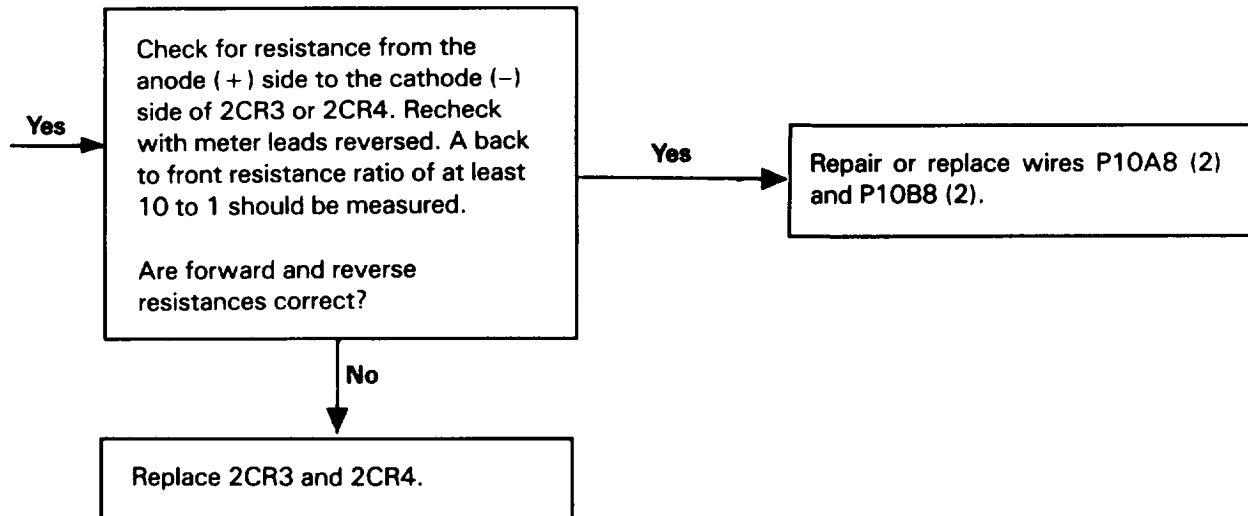
25. EXTERNAL DC POWER DOES NOT COME ON (CONT)



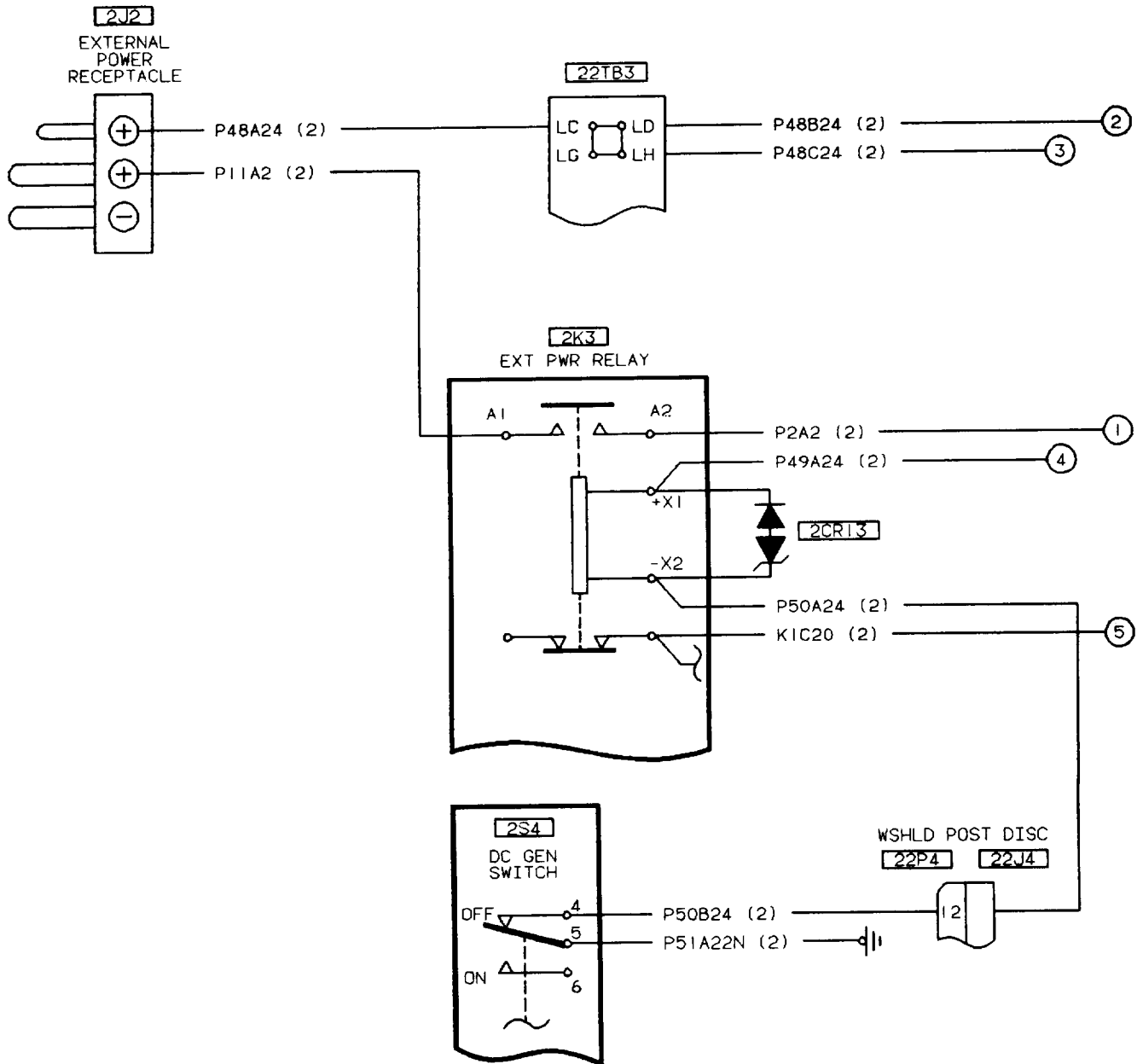
25. EXTERNAL DC POWER DOES NOT COME ON (CONT)



25. EXTERNAL DC POWER DOES NOT COME ON

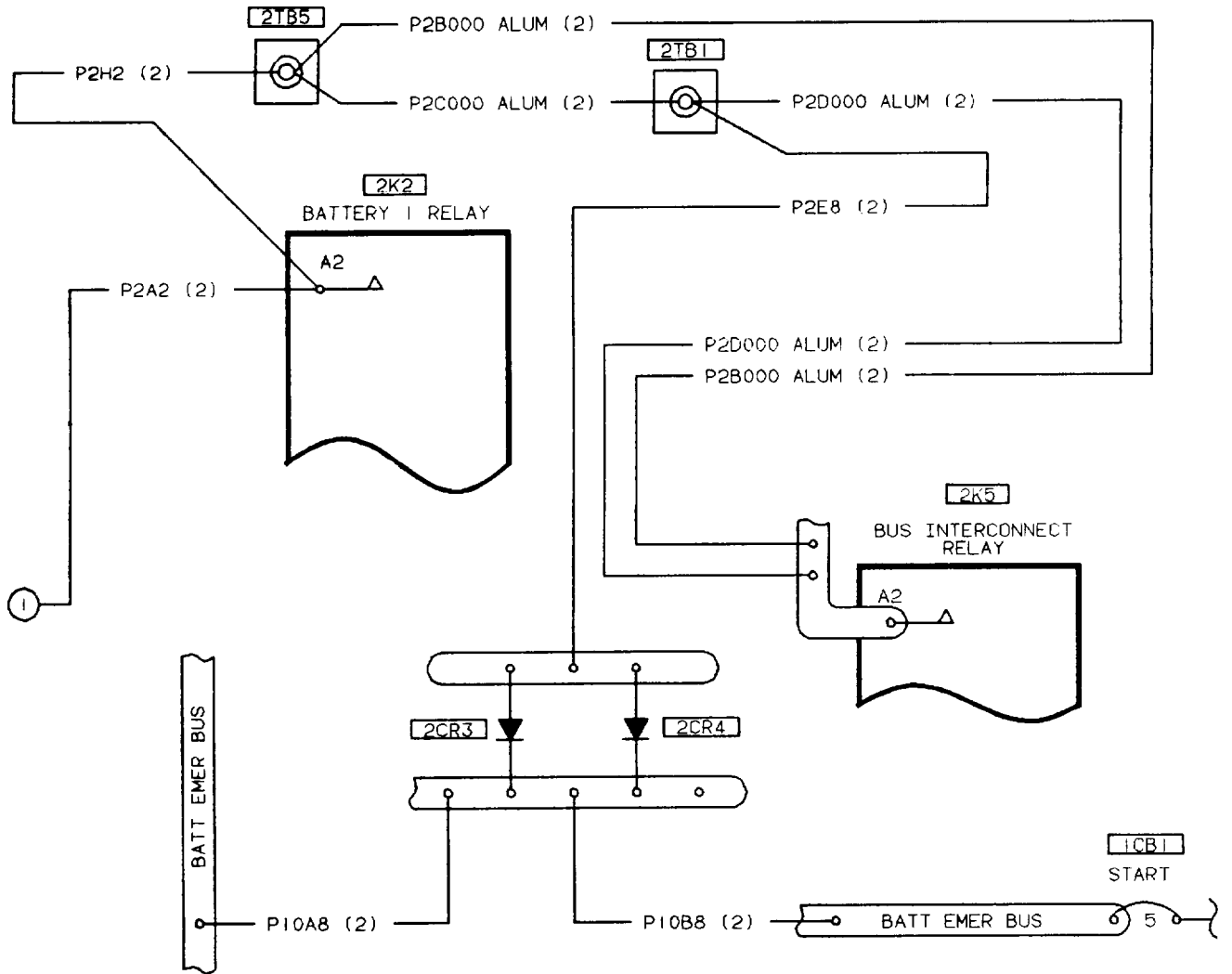


25. EXTERNAL DC POWER DOES NOT COME ON (CONT)

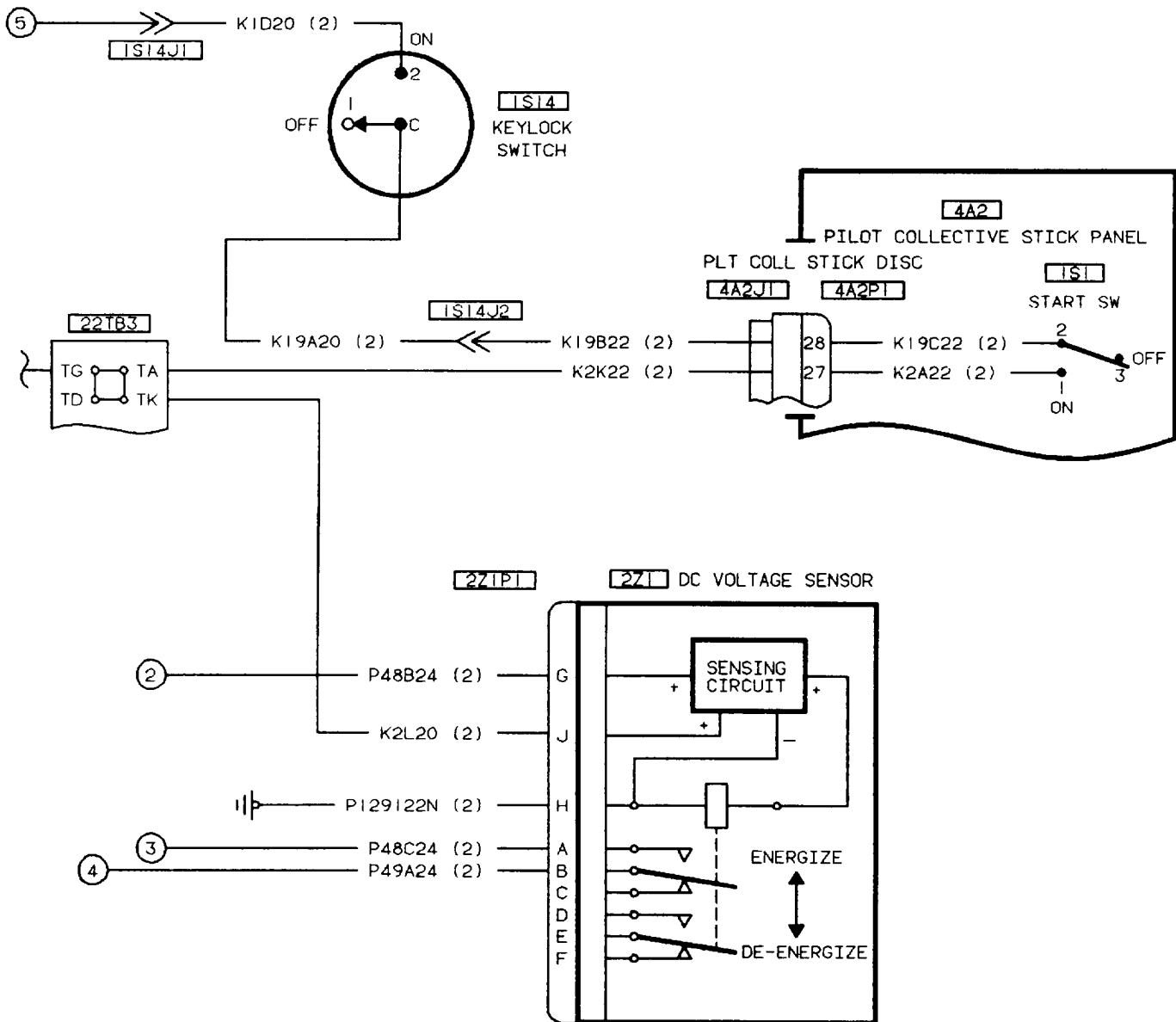


406475-988-1
HI 102

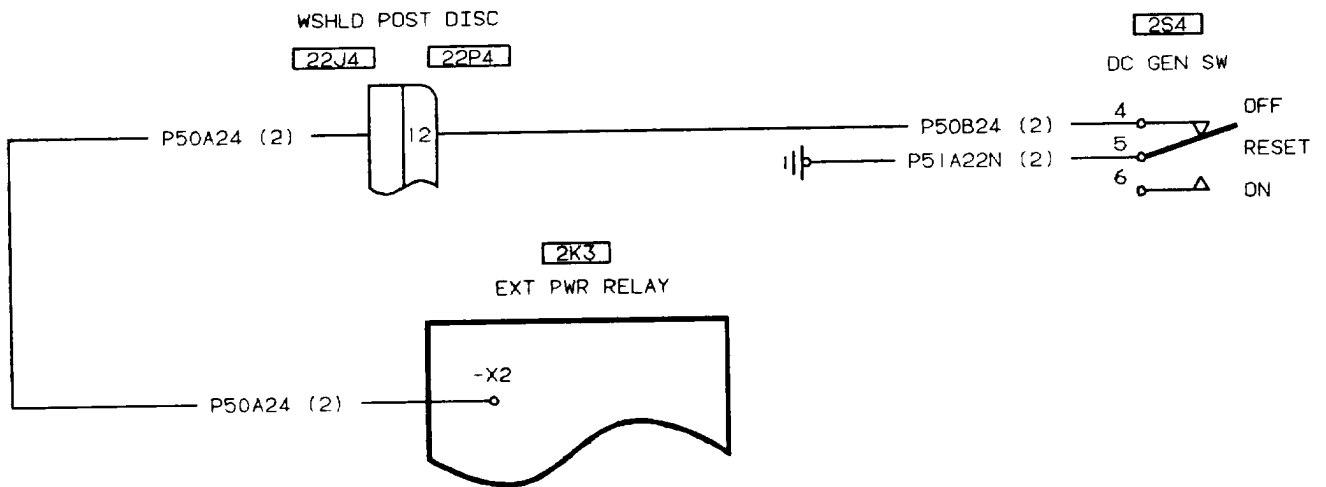
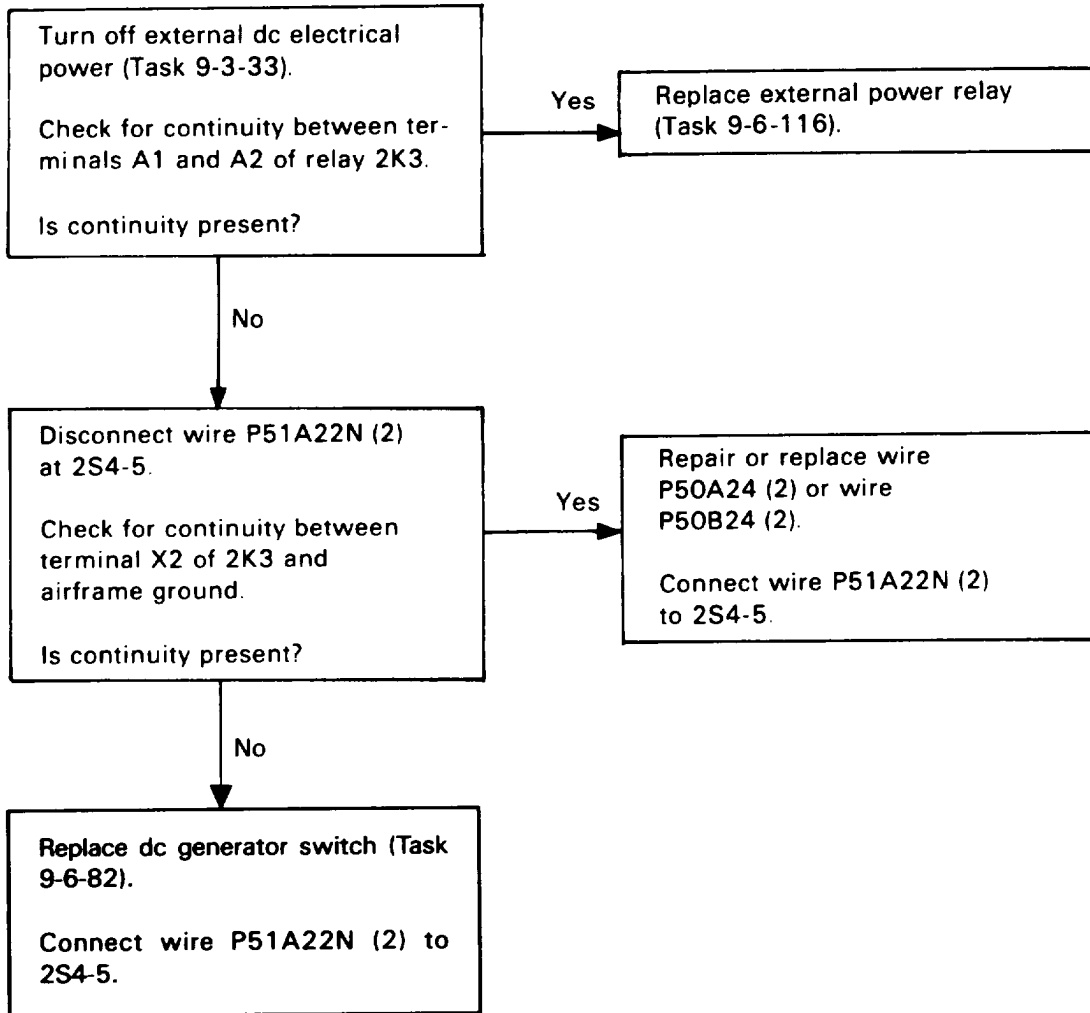
25. EXTERNAL DC POWER DOES NOT COME ON (CONT)



25. EXTERNAL DC POWER DOES NOT COME ON (CONT)

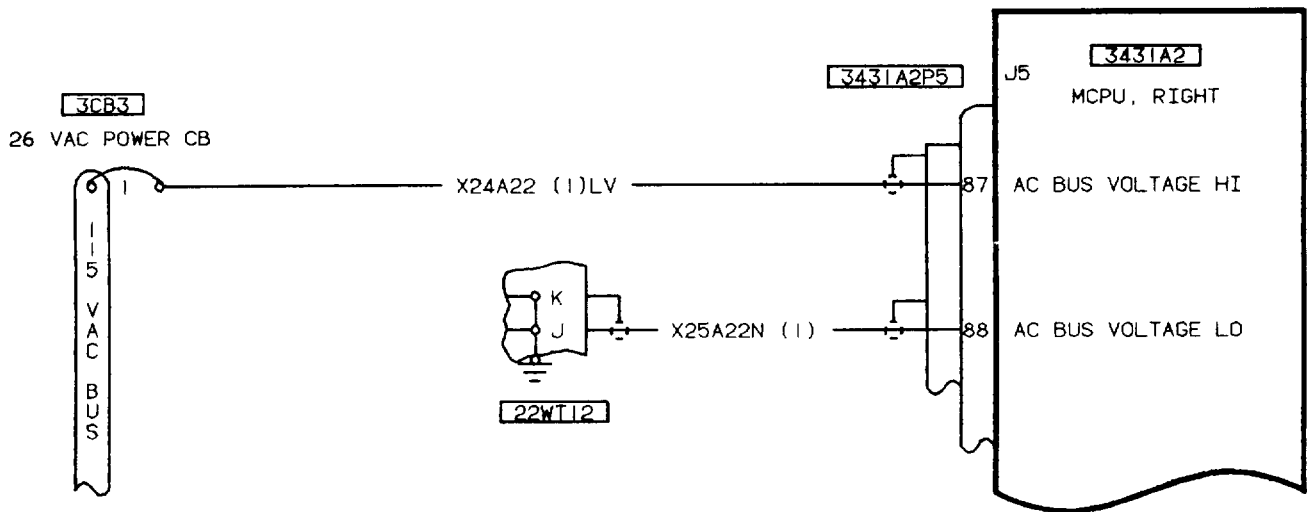
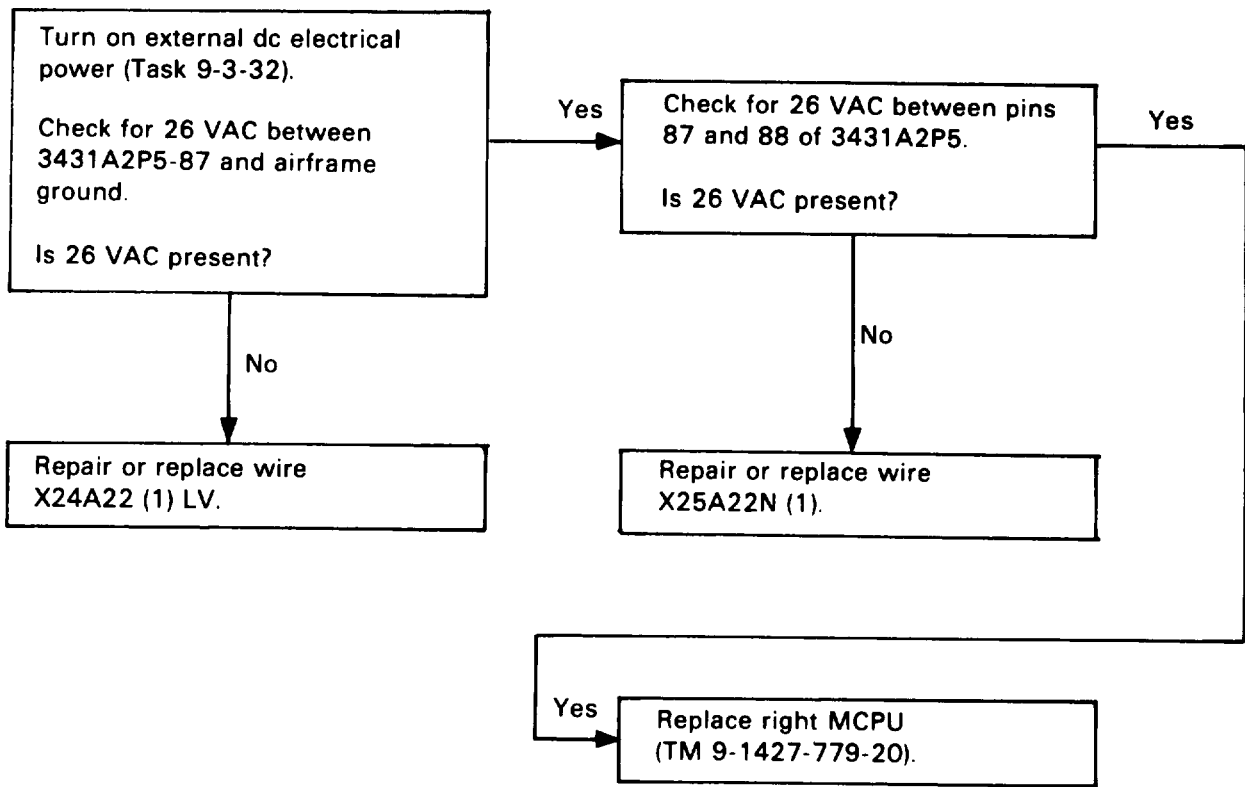


26. EXTERNAL DC POWER DOES NOT DISCONNECT WHEN DC GENERATOR IS TURNED ON



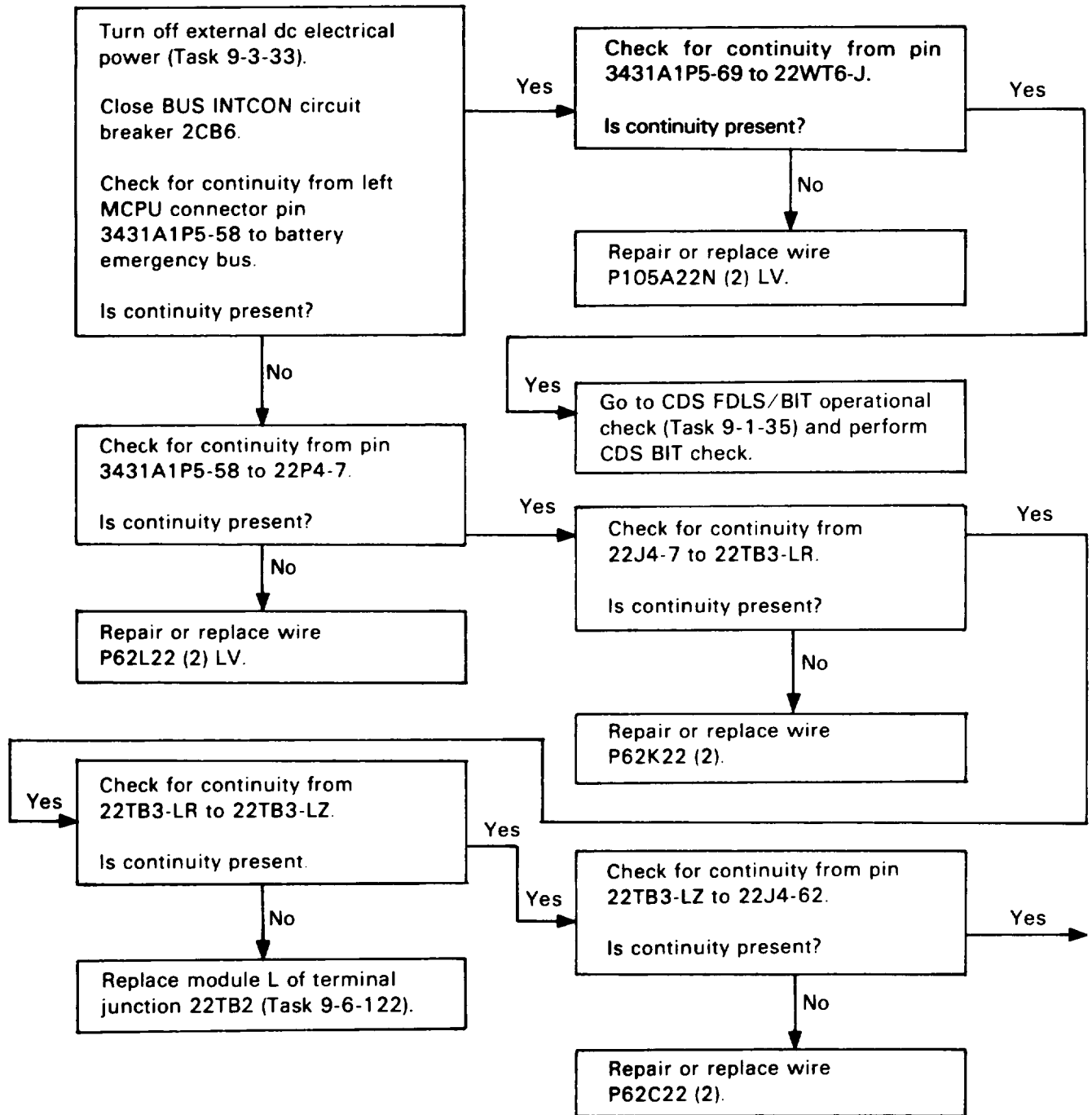
406475-389

27. EXTERNAL AC POWER COMES ON, BUT NO INDICATION ABOVE ACV ON MPD

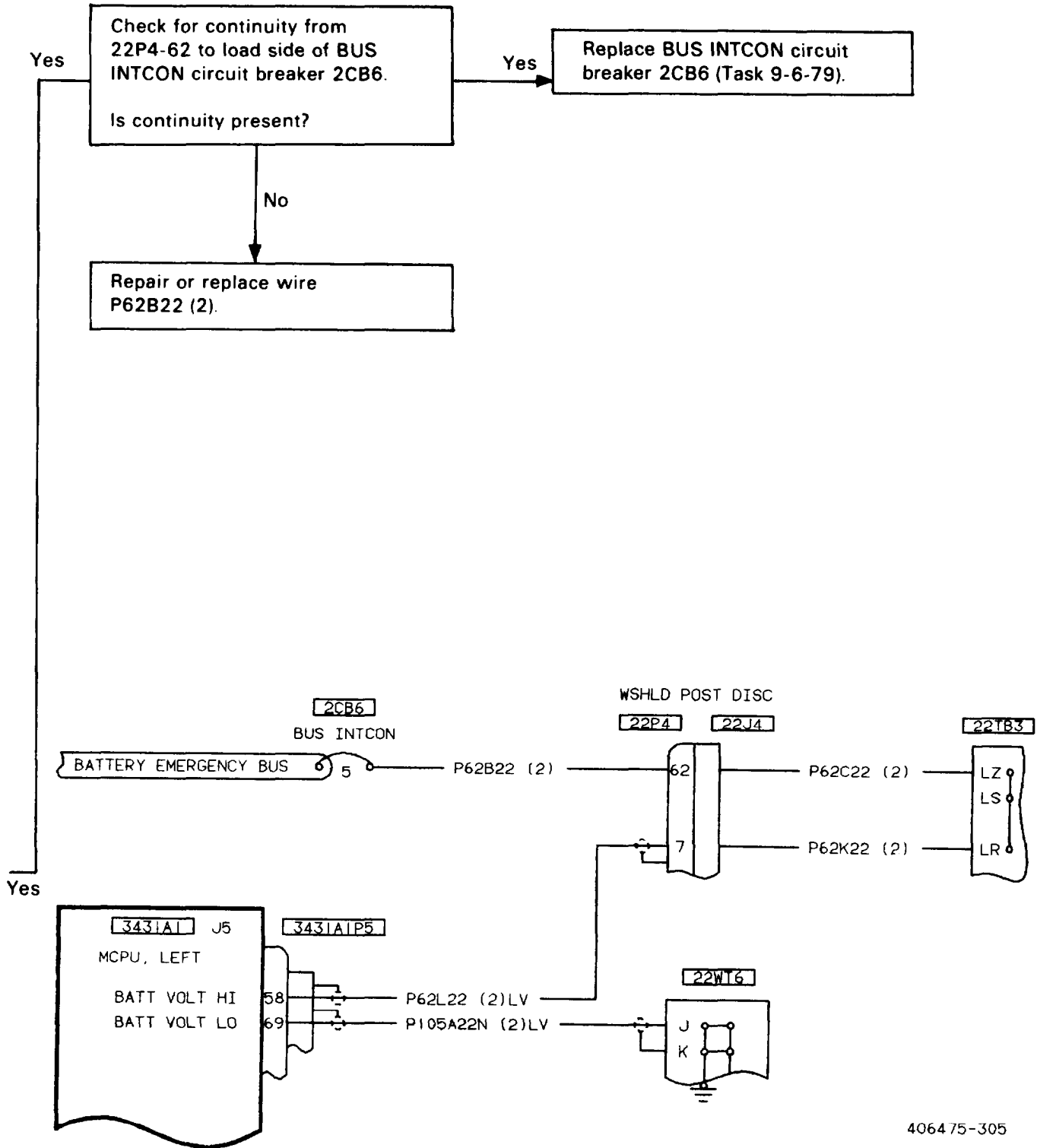


406475-363

28. EXTERNAL DC POWER COMES ON, BUT NO INDICATION ABOVE BATT V ON MPD

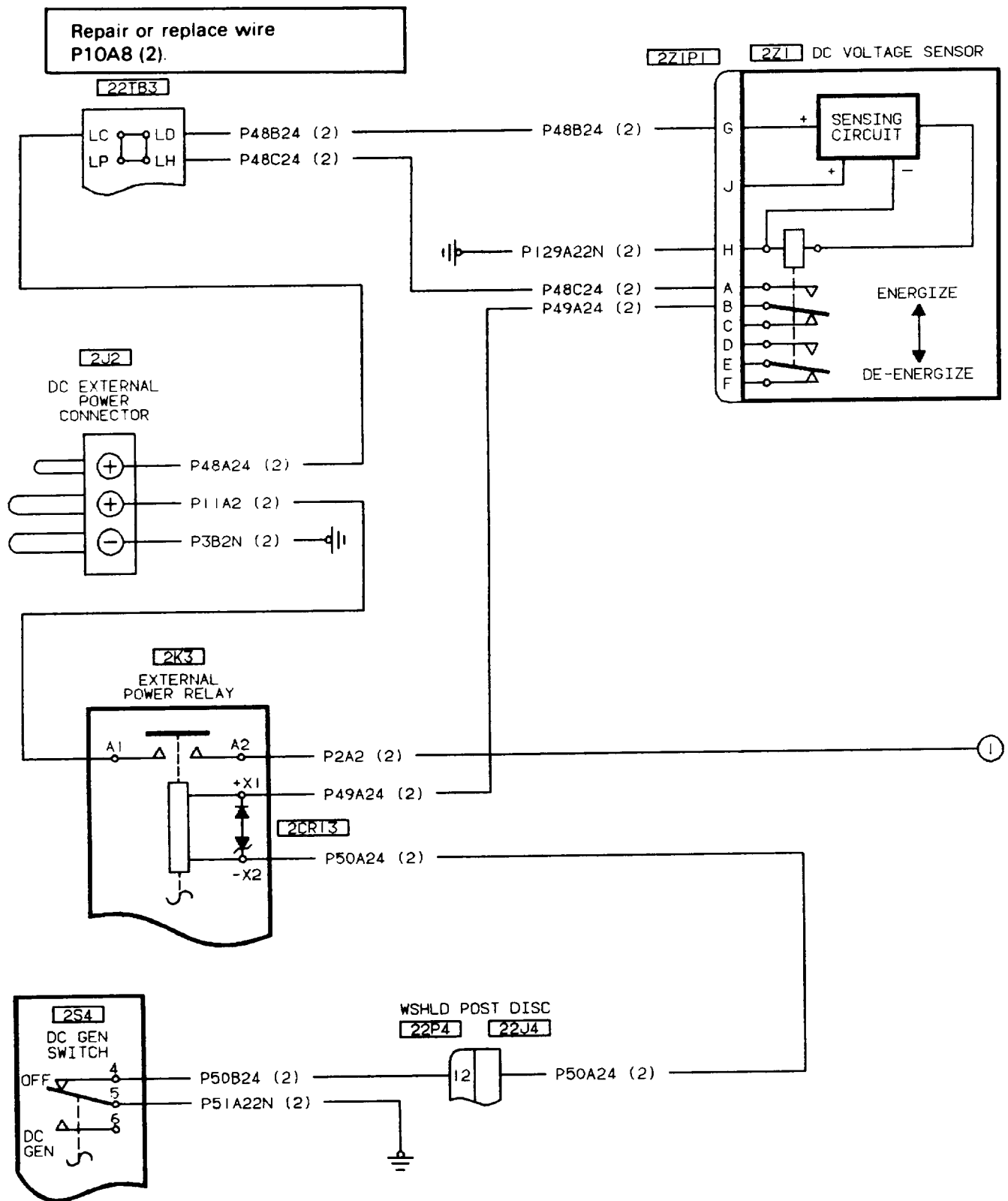


28. EXTERNAL DC POWER COMES ON, BUT NO INDICATION ABOVE BATT V ON MPD (CONT)

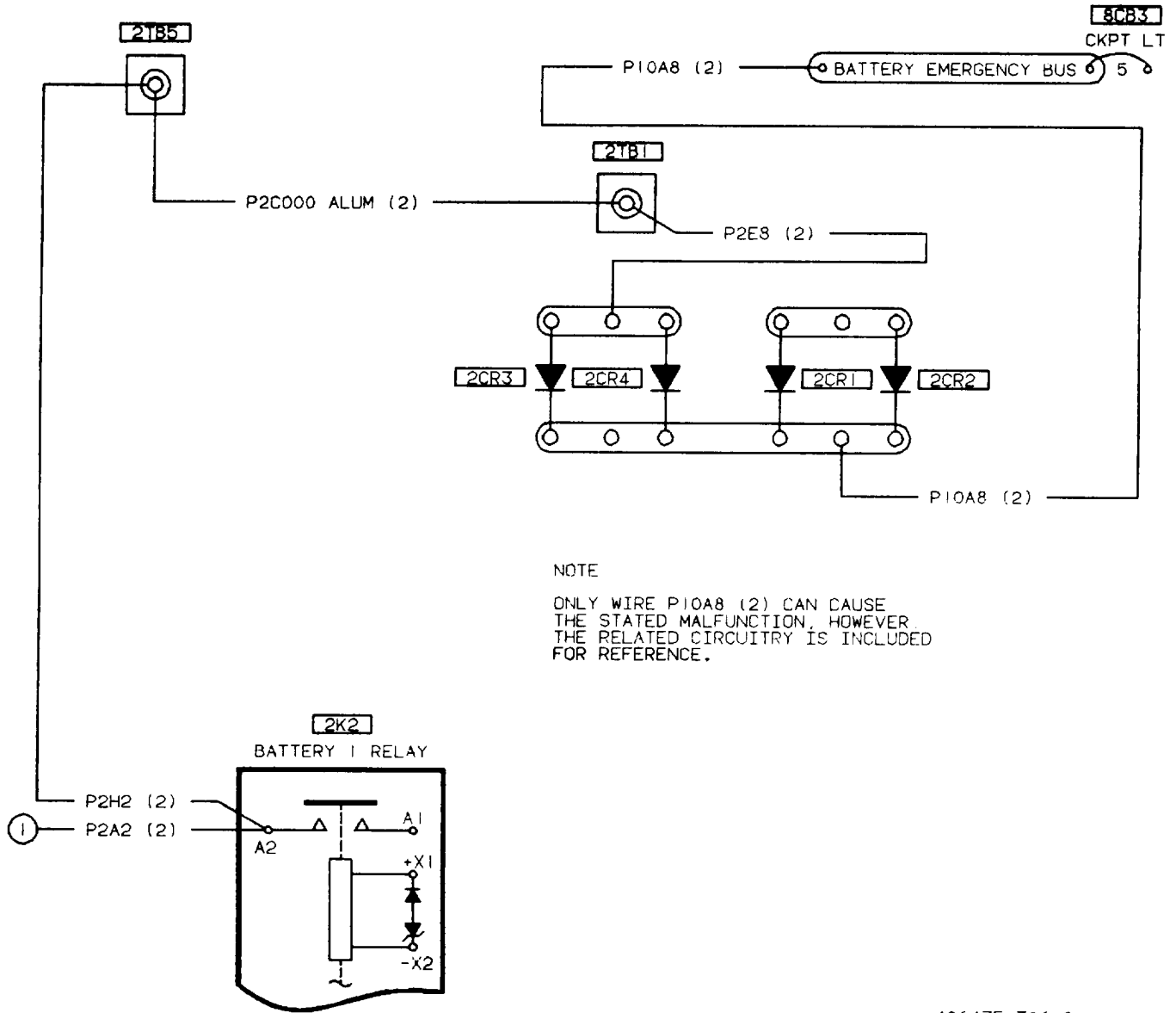


4064 75-305

29. EXTERNAL DC POWER ON, BUT NO VOLTAGE PRESENT ON BATTERY EMERGENCY BUS

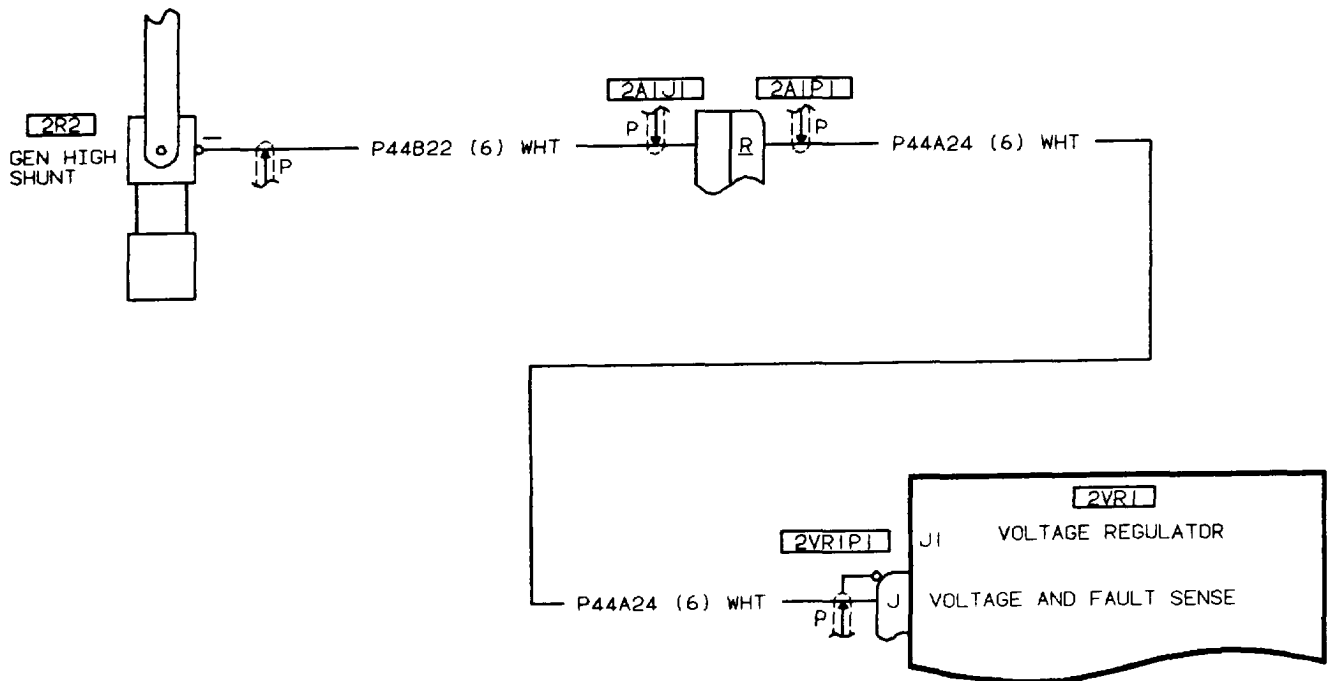
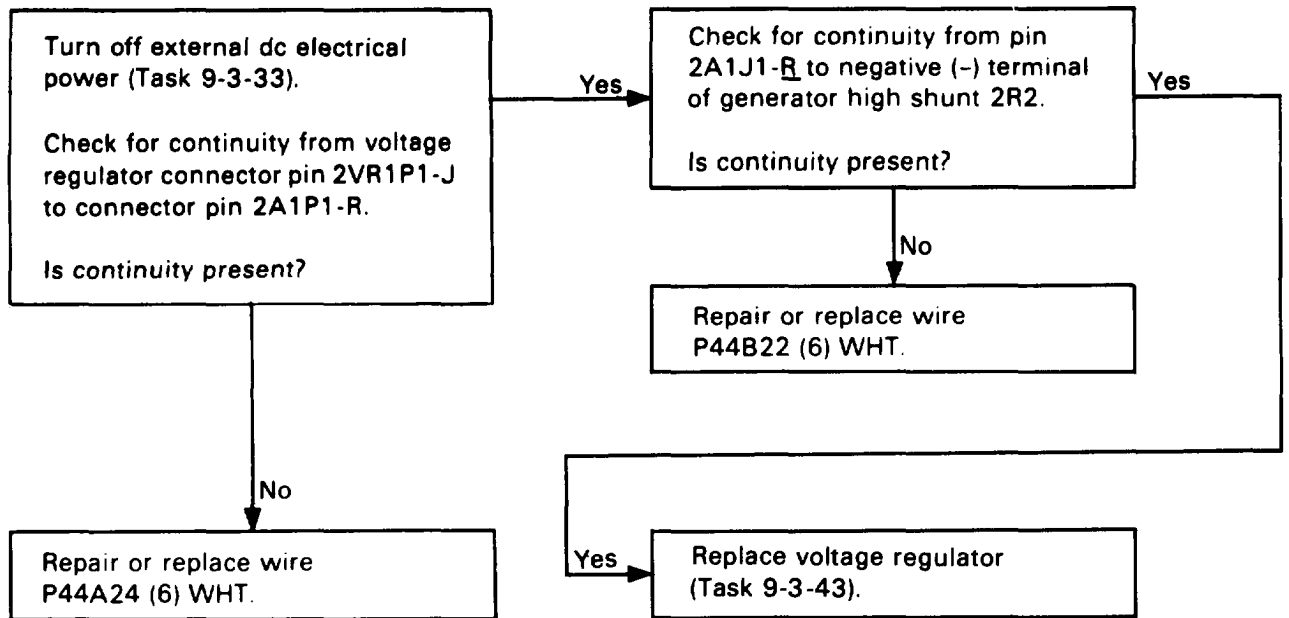


29. EXTERNAL DC POWER ON, BUT NO VOLTAGE PRESENT ON BATTERY EMERGENCY BUS (CONT)



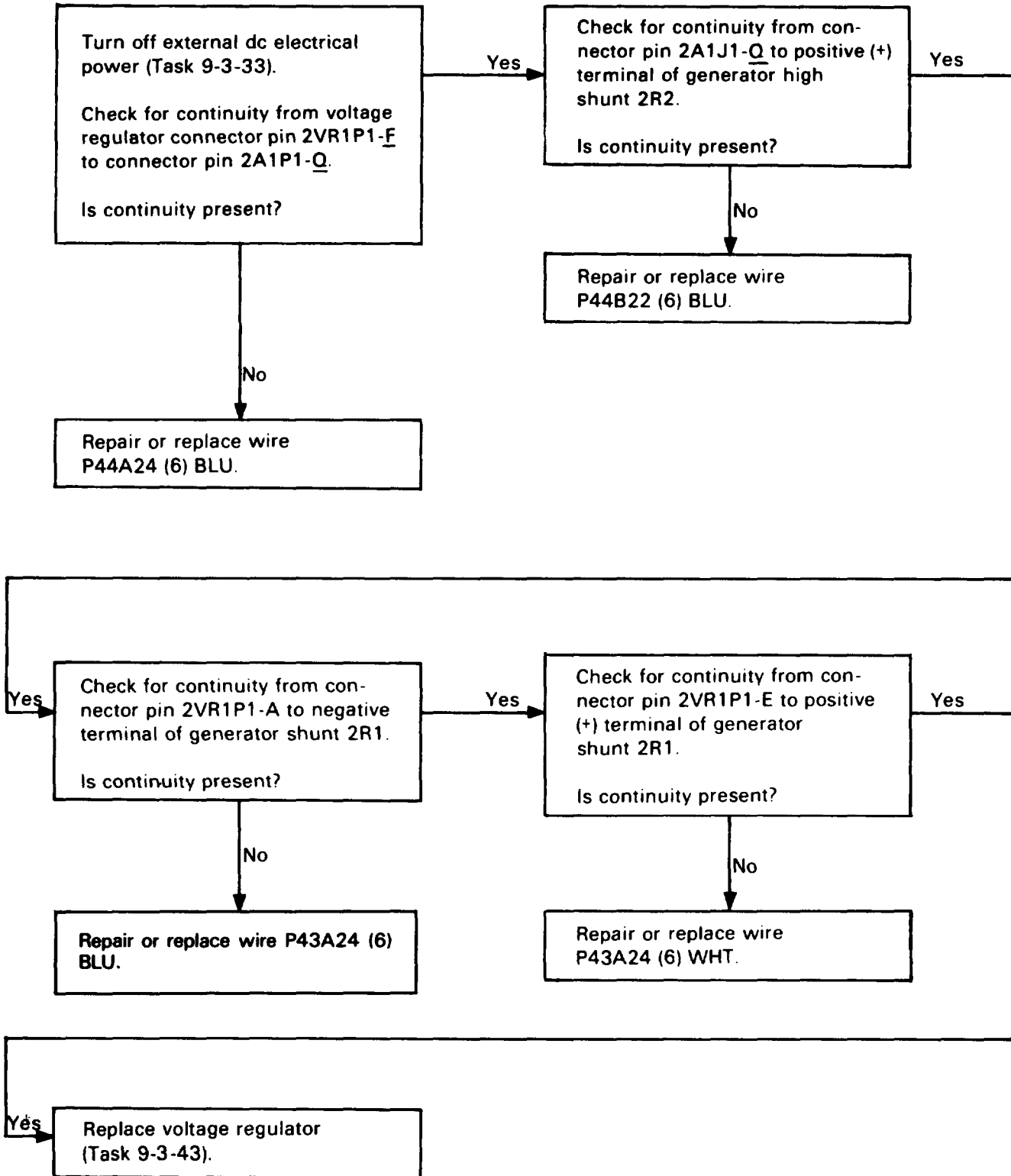
406475-306-2

30. GENERATOR NOT OFF LINE AT 18 VOLTS (ENGINE RPM IS BEING REDUCED)

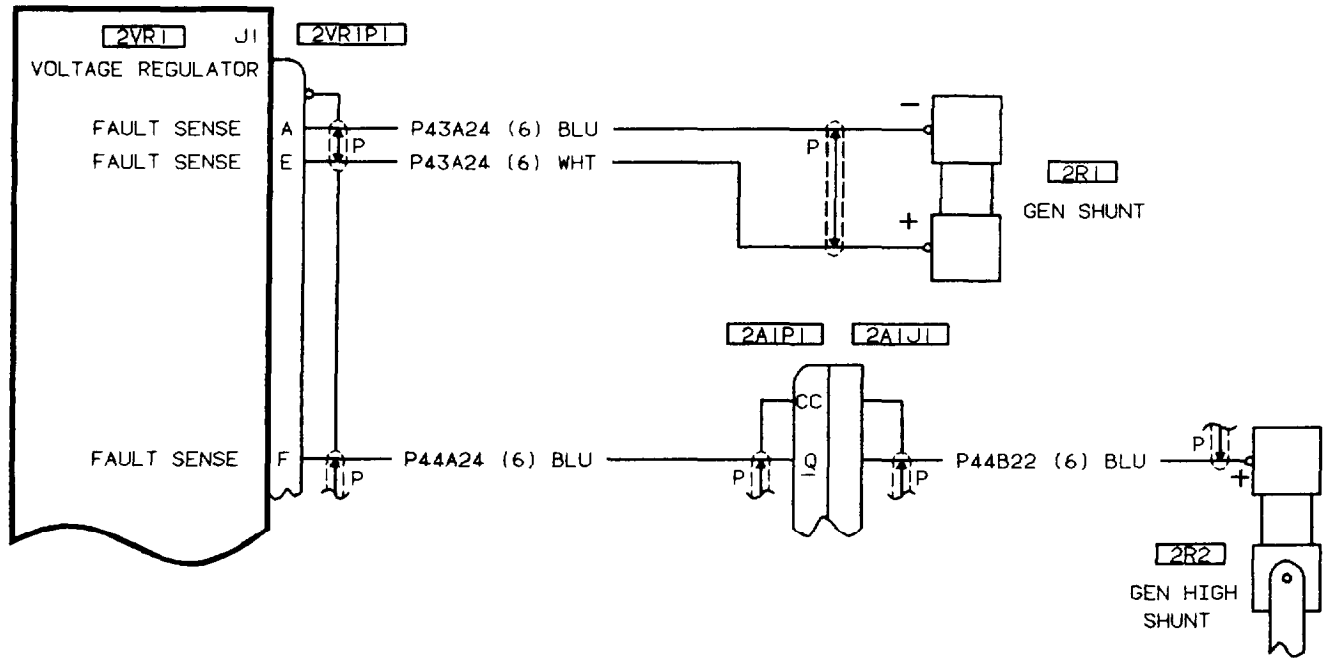


406475-390

31. GENERATOR WILL NOT TRIP OFF LINE WITH SIMULATED FEEDER FAULT

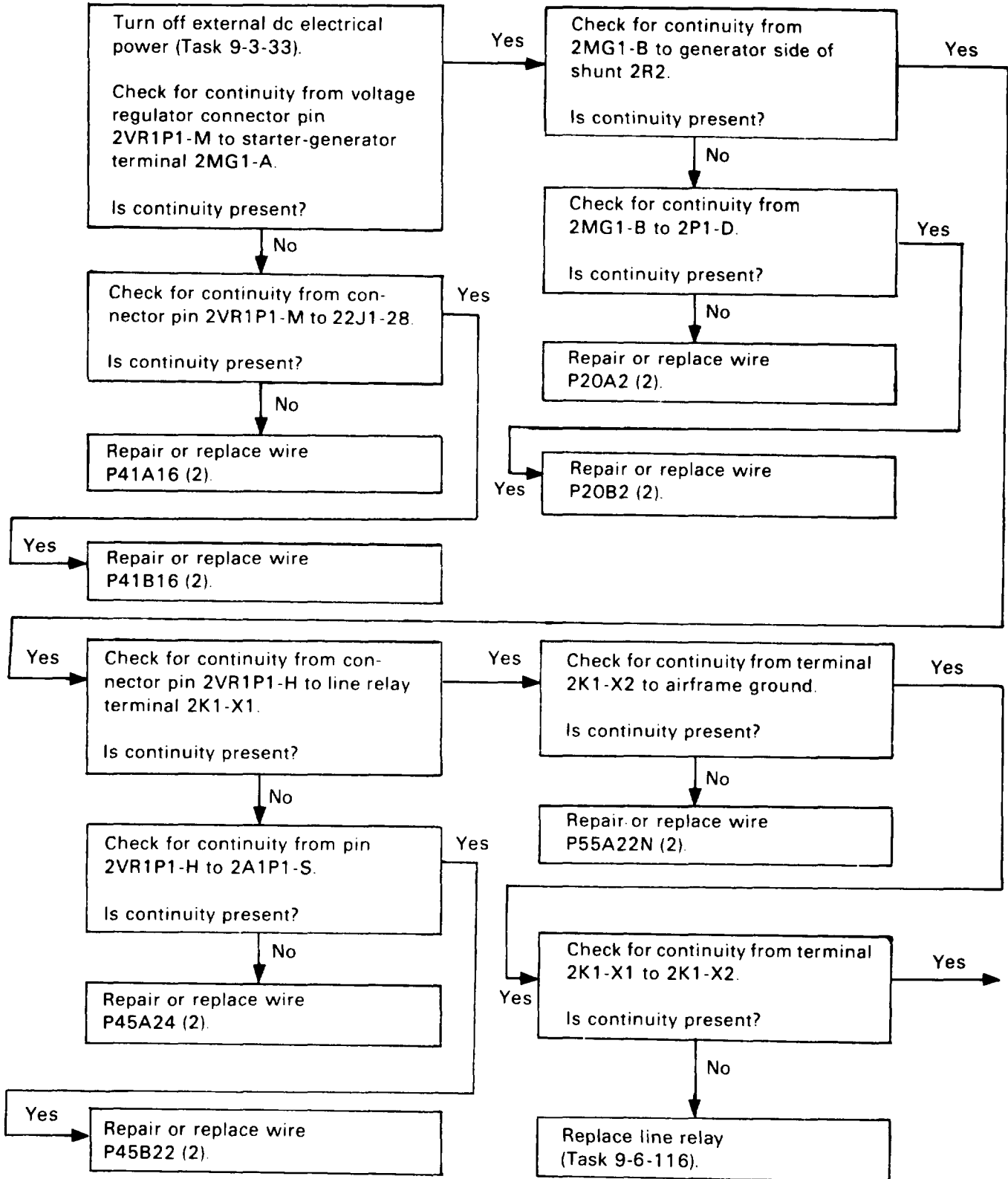


31. GENERATOR WILL NOT TRIP OFF LINE WITH SIMULATED FEEDER FAULT (CONT)

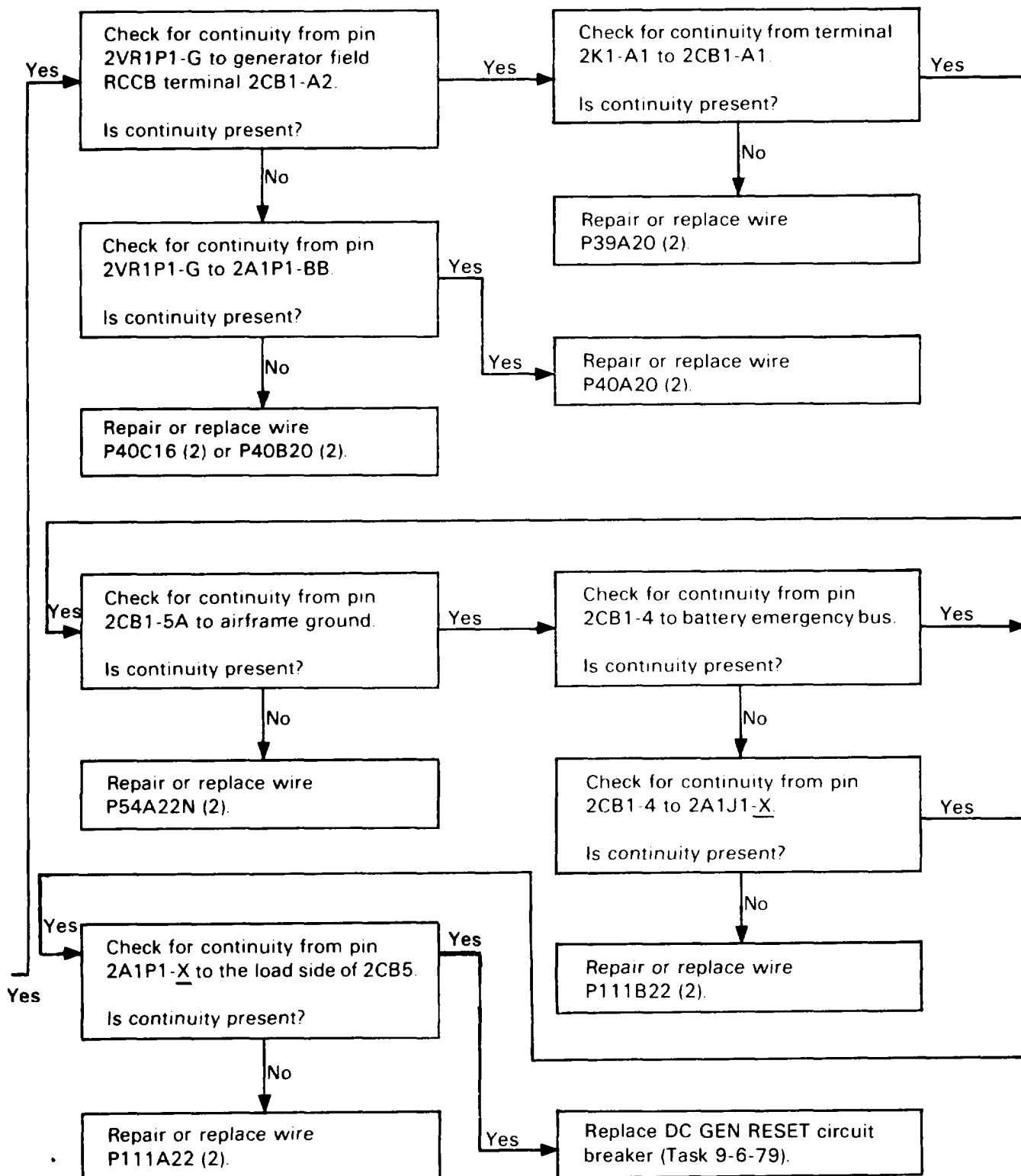


406475-391

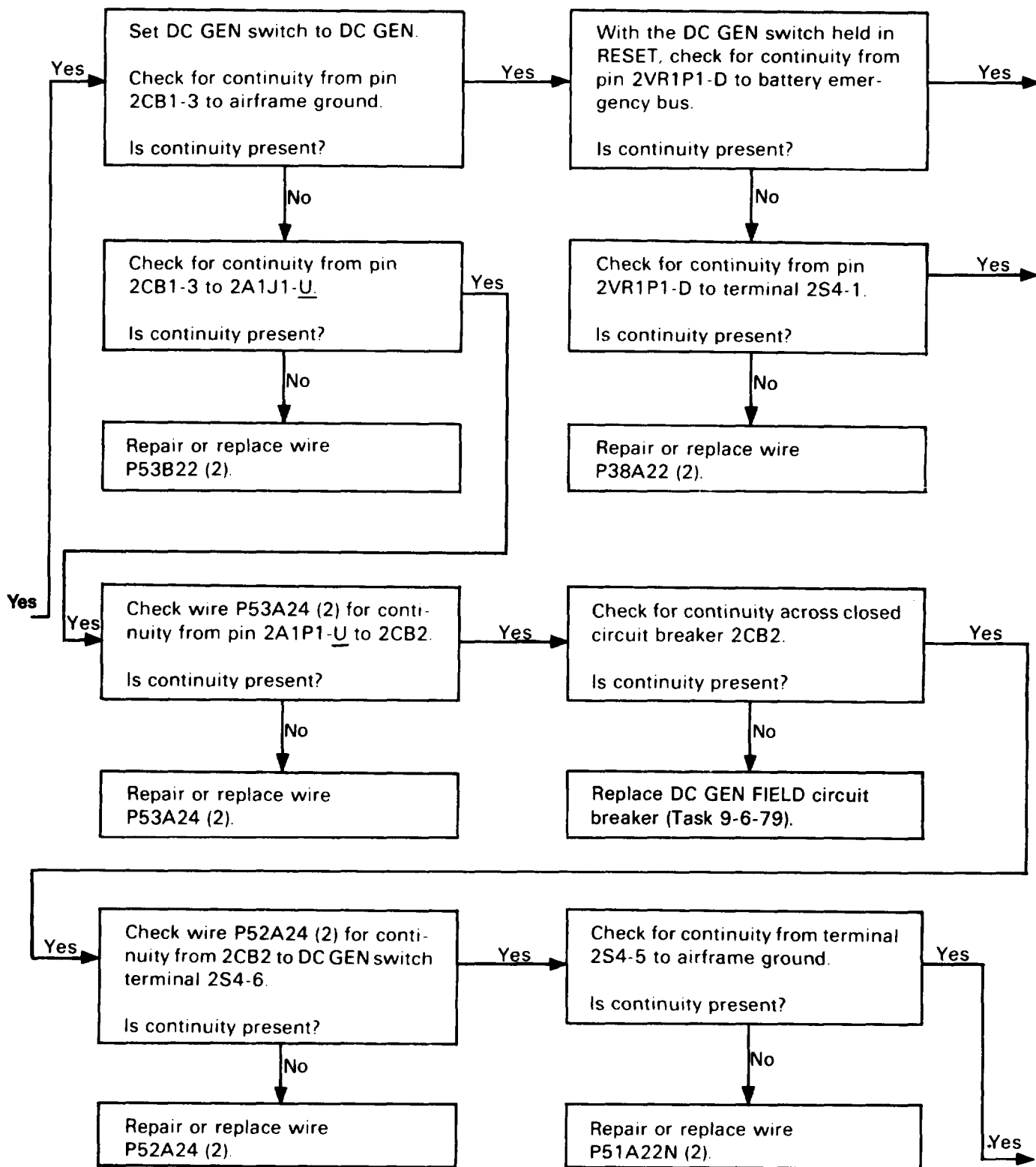
32. GENERATOR WILL NOT COME ON LINE (RESET HAS BEEN ATTEMPTED)



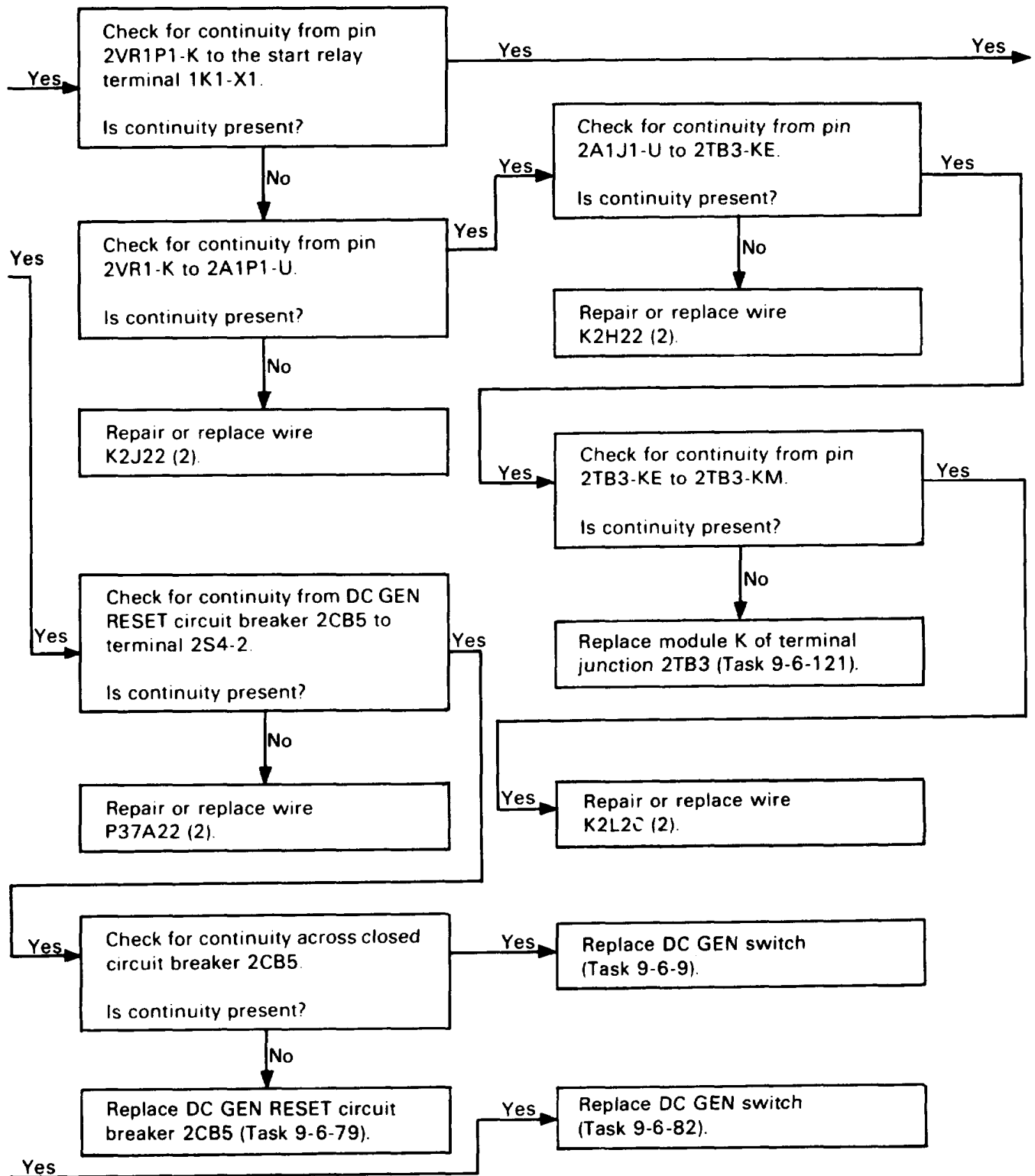
32. GENERATOR WILL NOT COME ON LINE (RESET HAS BEEN ATTEMPTED (CONT))



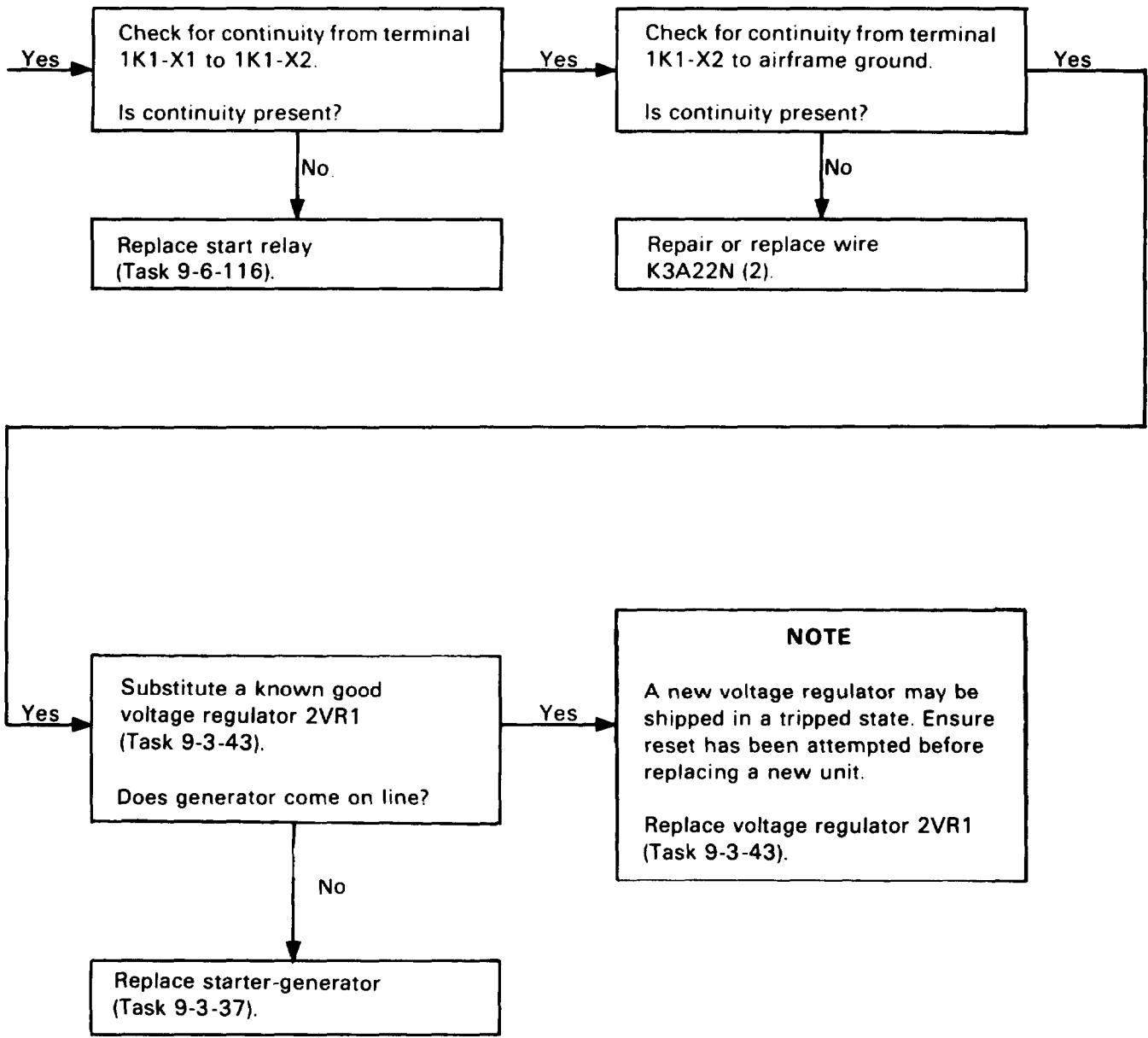
32. GENERATOR WILL NOT COME ON LINE (RESET HAS BEEN ATTEMPTED) (CONT)



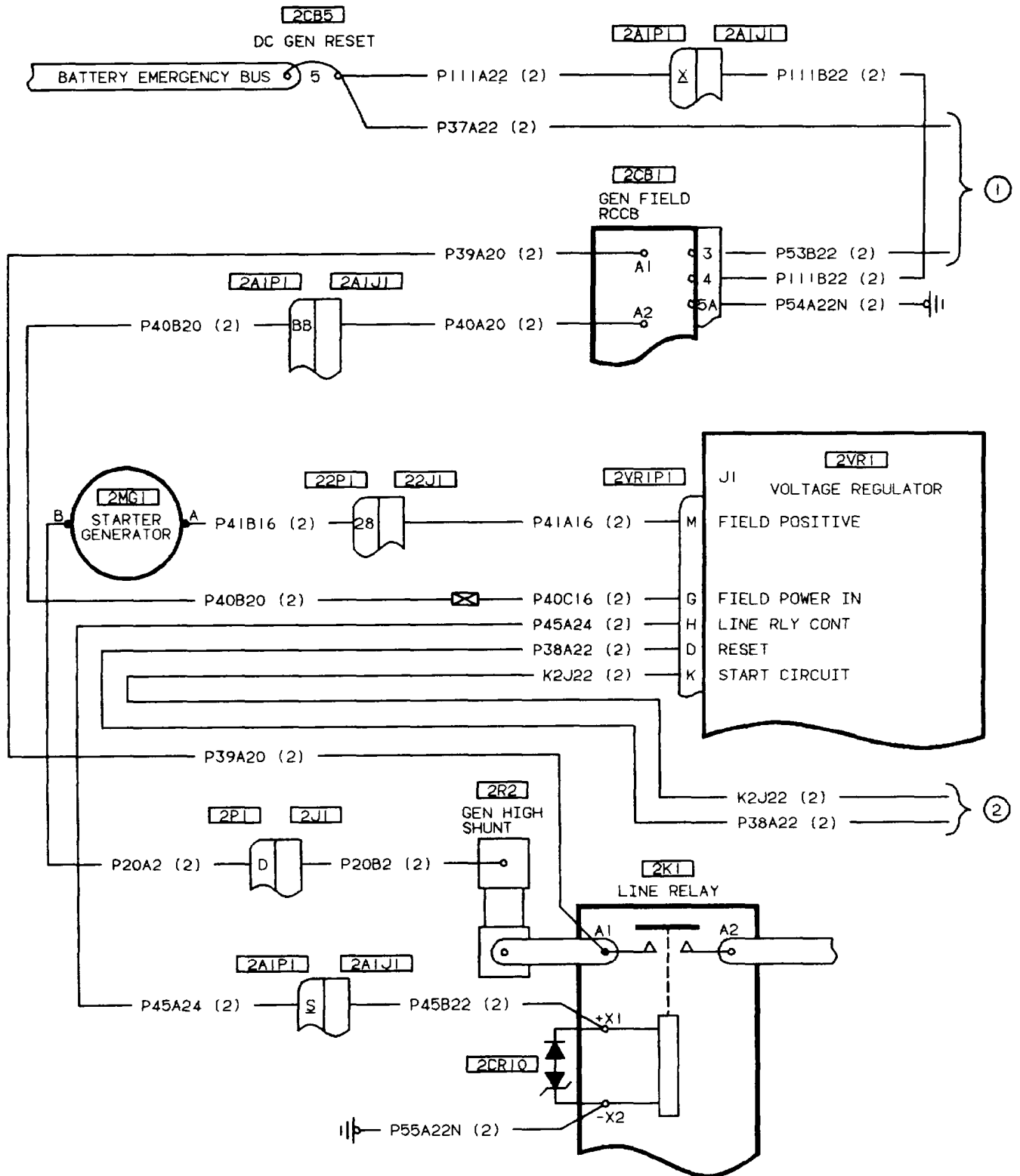
32. GENERATOR WILL NOT COME ON LINE (RESET HAS BEEN ATTEMPTED) (CONT)



32. GENERATOR WILL NOT COME ON LINE (RESET HAS BEEN ATTEMPTED) (CONT)

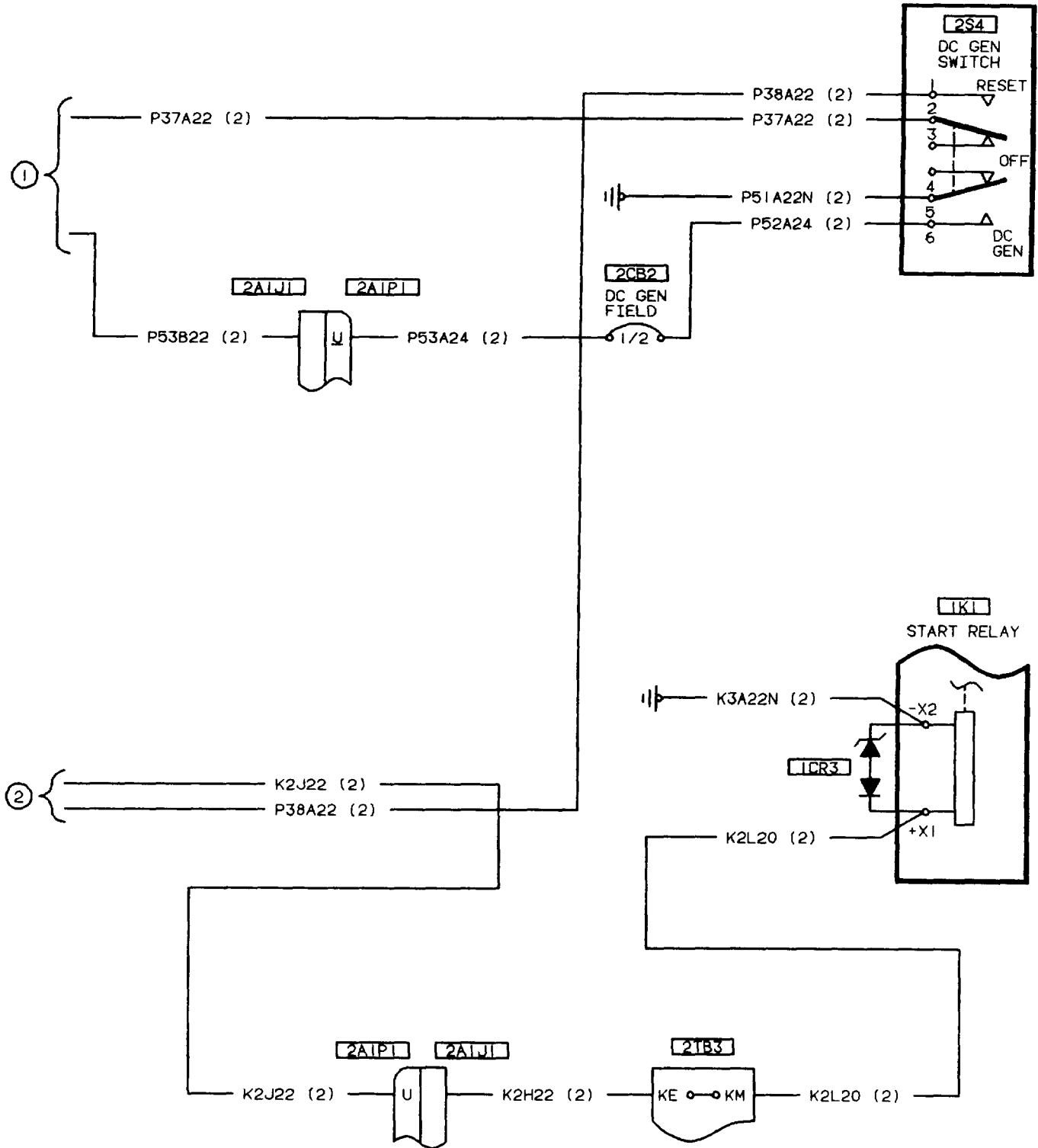


32. GENERATOR WILL NOT COME ON LINE (RESET HAS BEEN ATTEMPTED) (CONT)



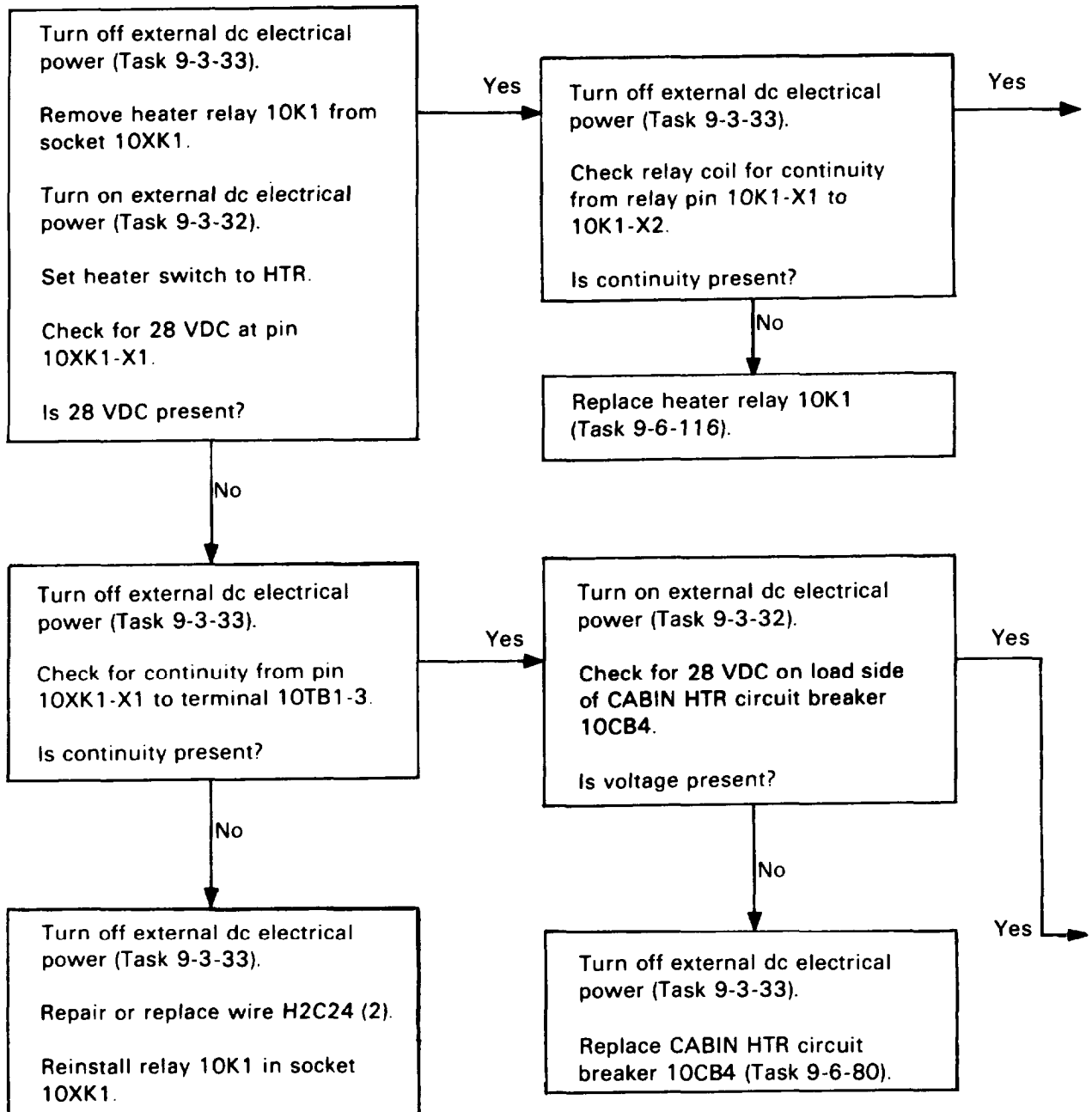
406475-392-1

32. GENERATOR WILL NOT COME ON LINE (RESET HAS BEEN ATTEMPTED) (CONT)

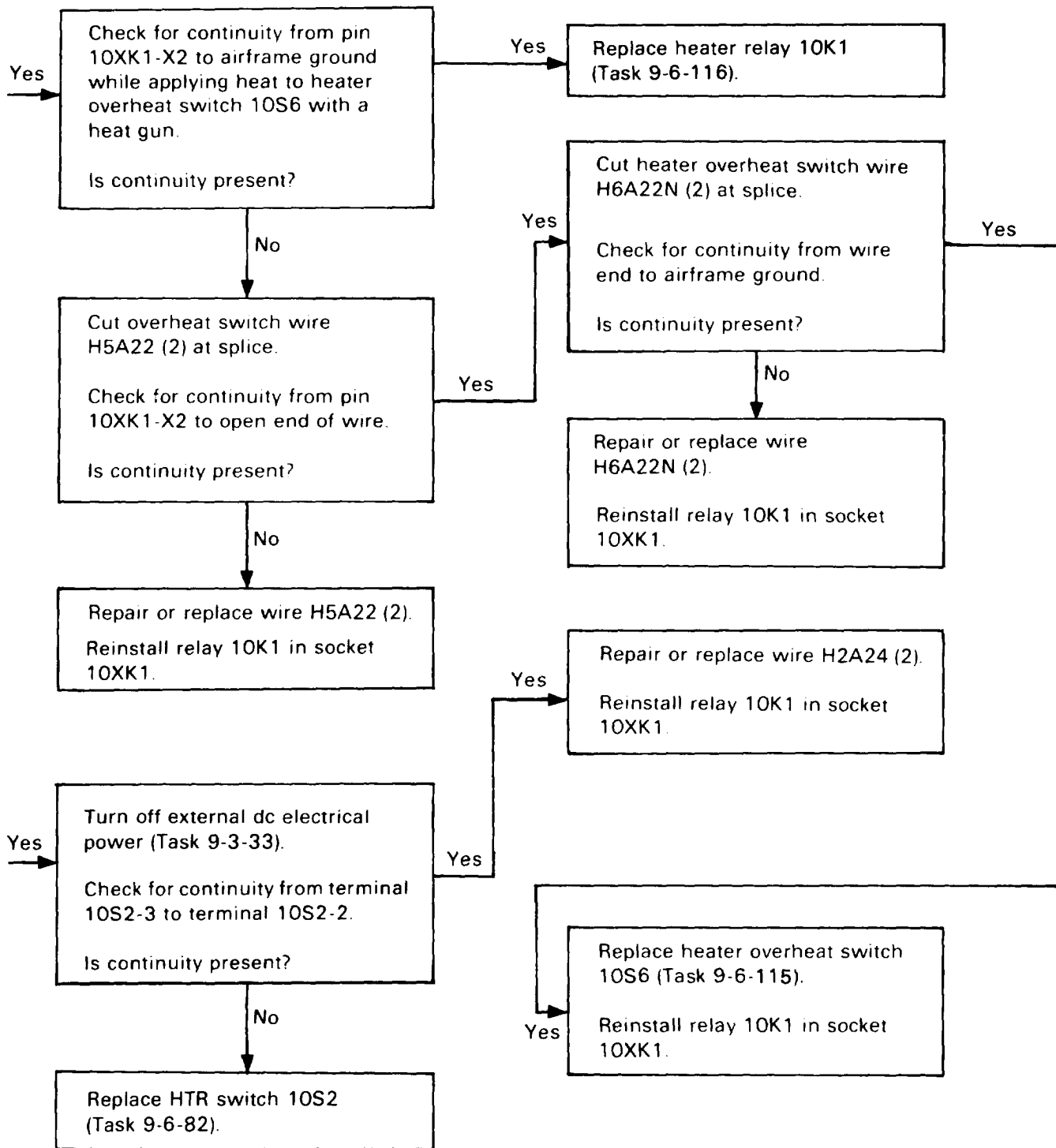


406475-392-2

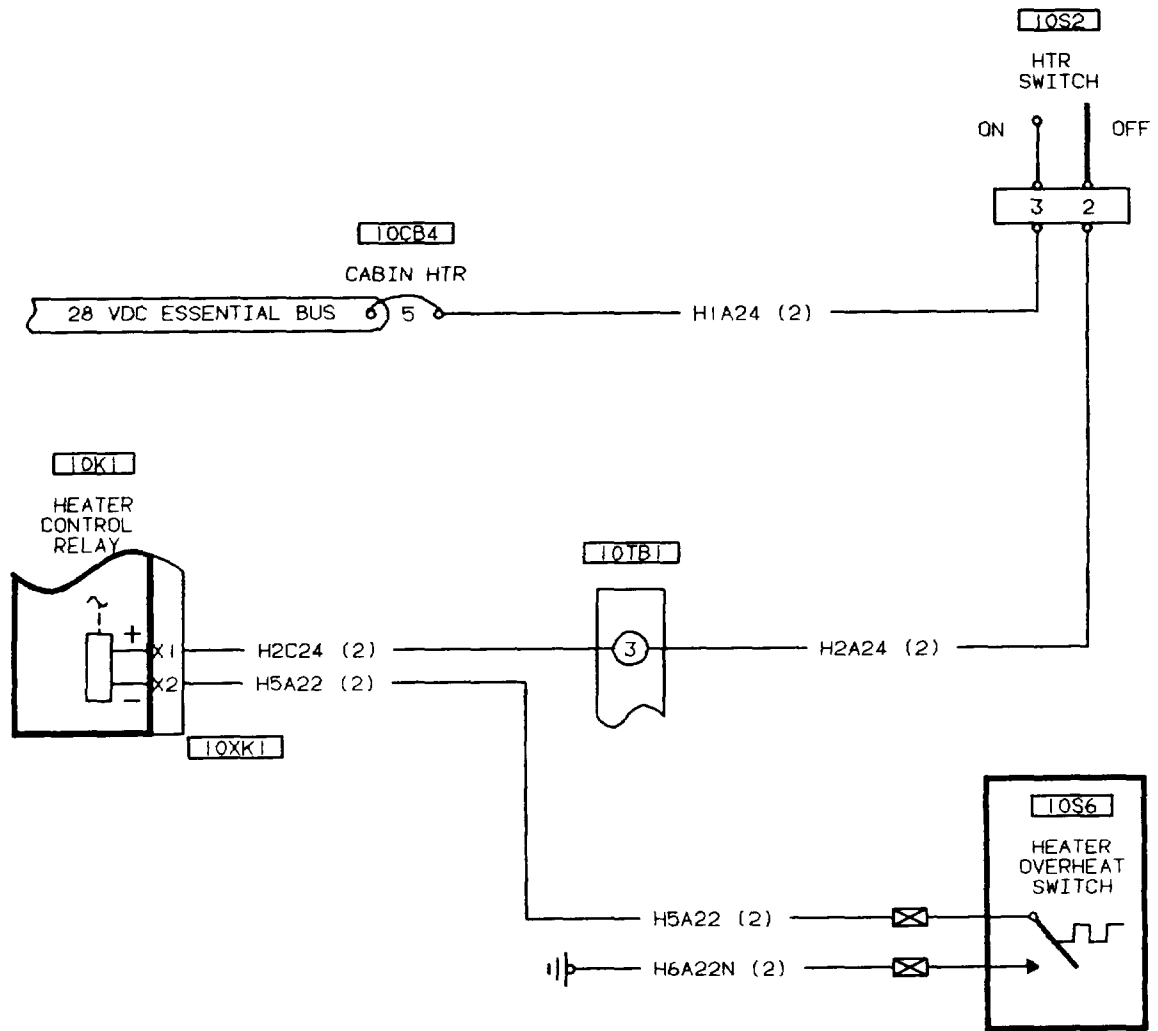
33. HEATER SOLENOID VALVE WILL NOT CLOSE



33. HEATER SOLENOID VALVE WILL NOT CLOSE (CONT)

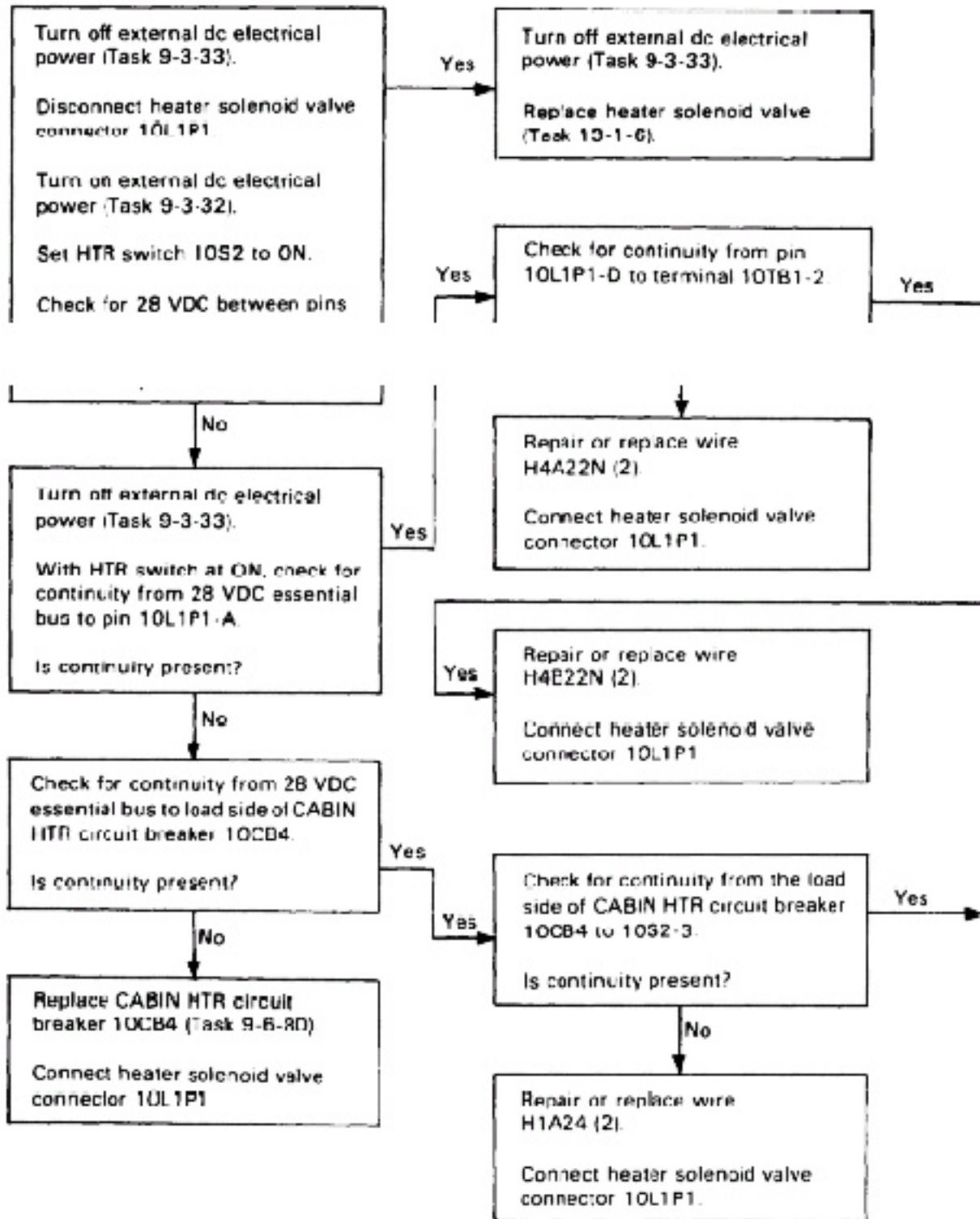


33. HEATER SOLENOID VALVE WILL NOT CLOSE (CONT)

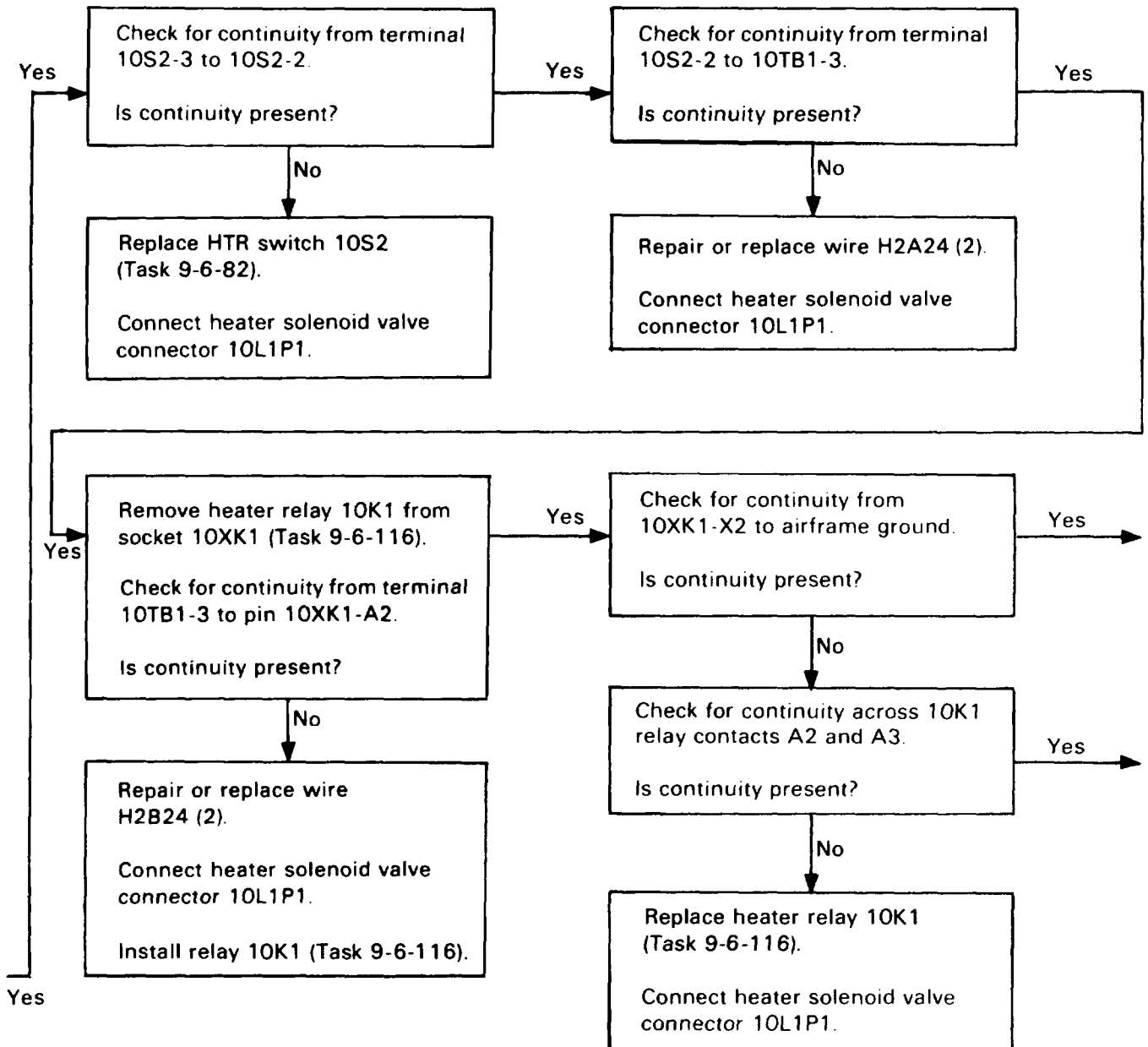


406475-393

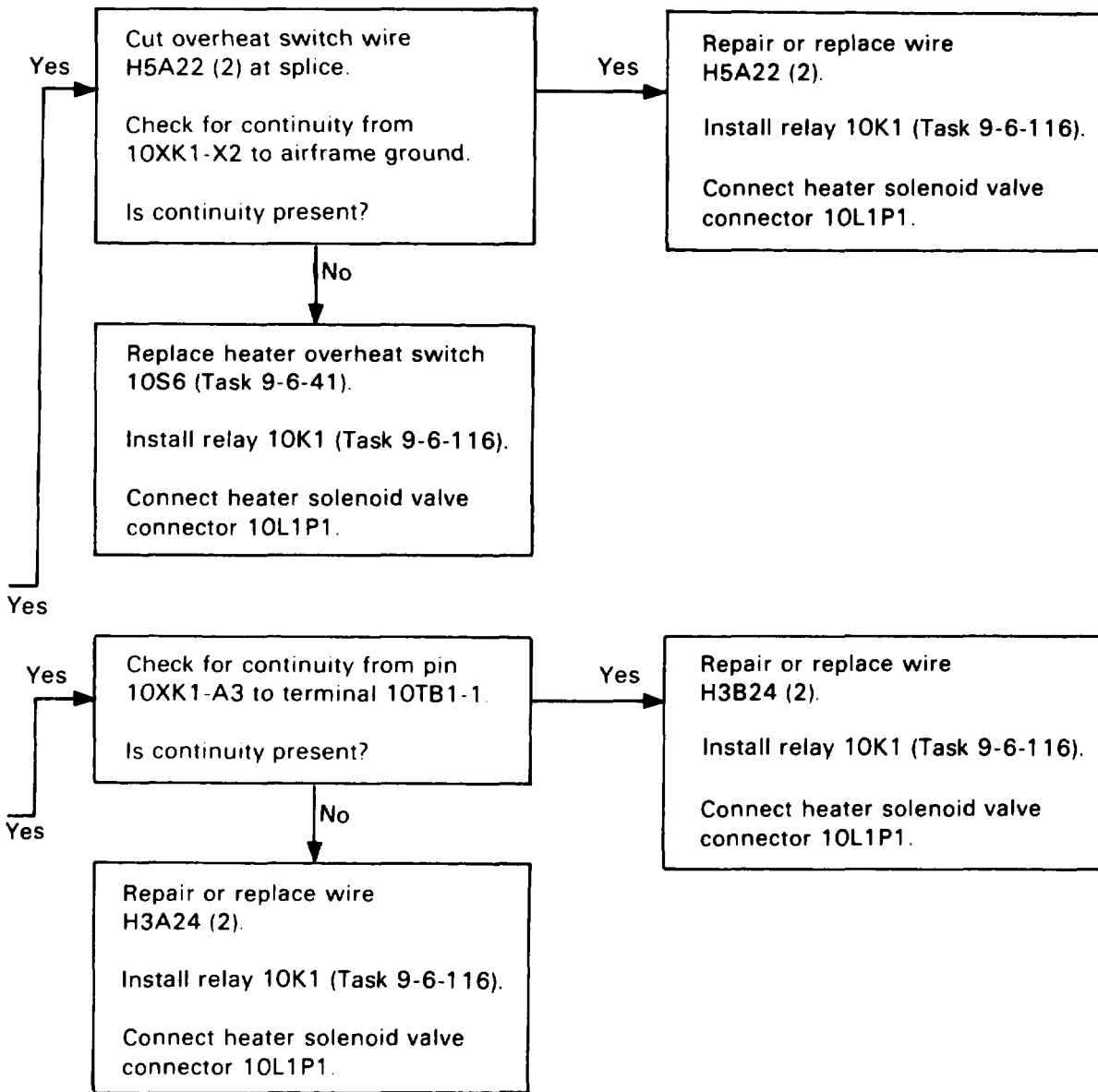
34. HEATER SOLENOID VALVE WILL NOT OPEN



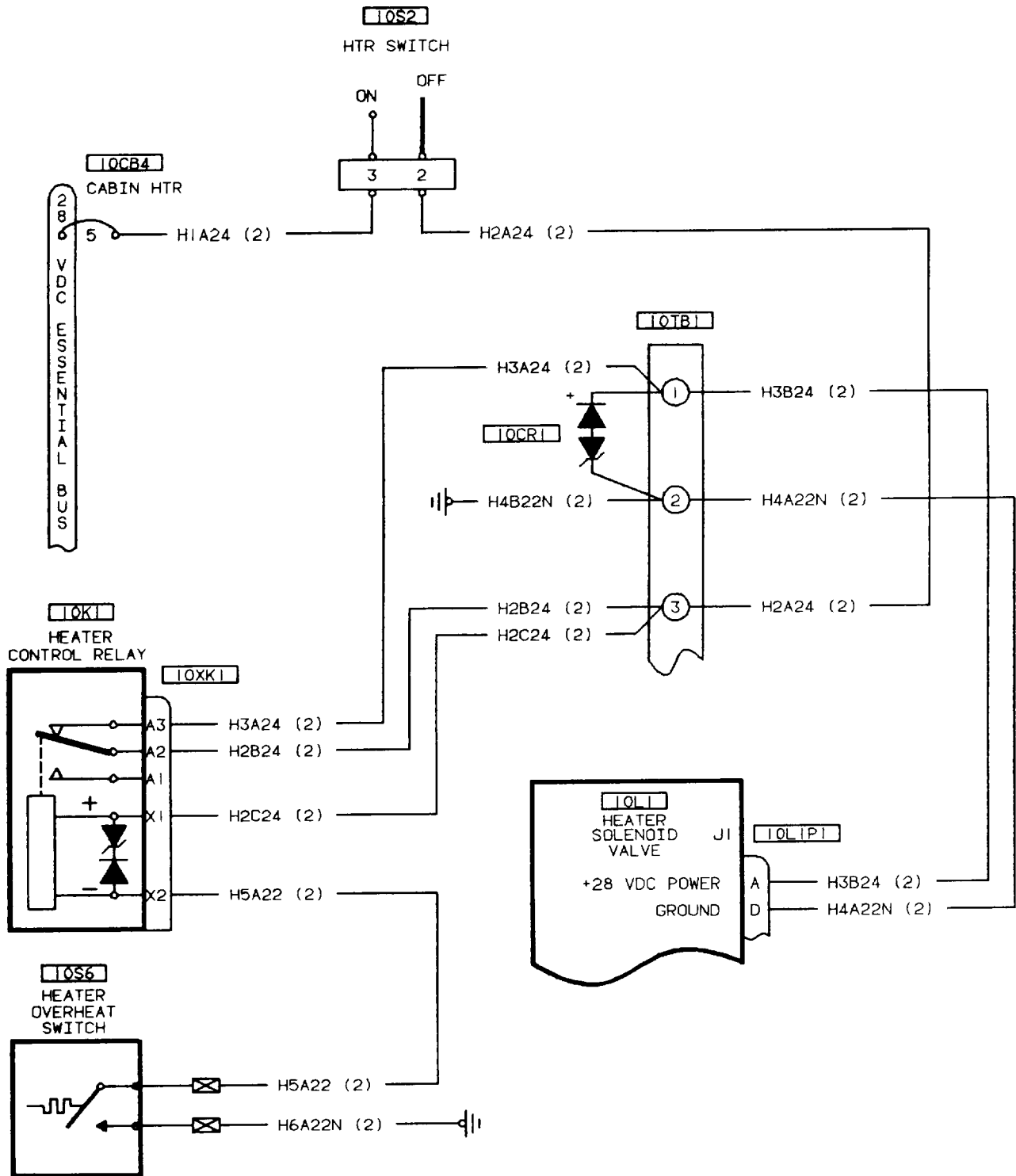
34. HEATER SOLENOID VALVE WILL NOT OPEN (CONT)



34. HEATER SOLENOID VALVE WILL NOT OPEN (CONT)

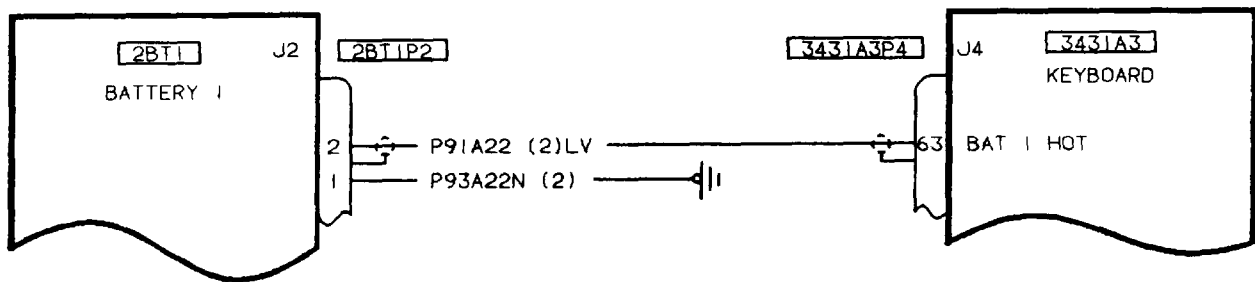
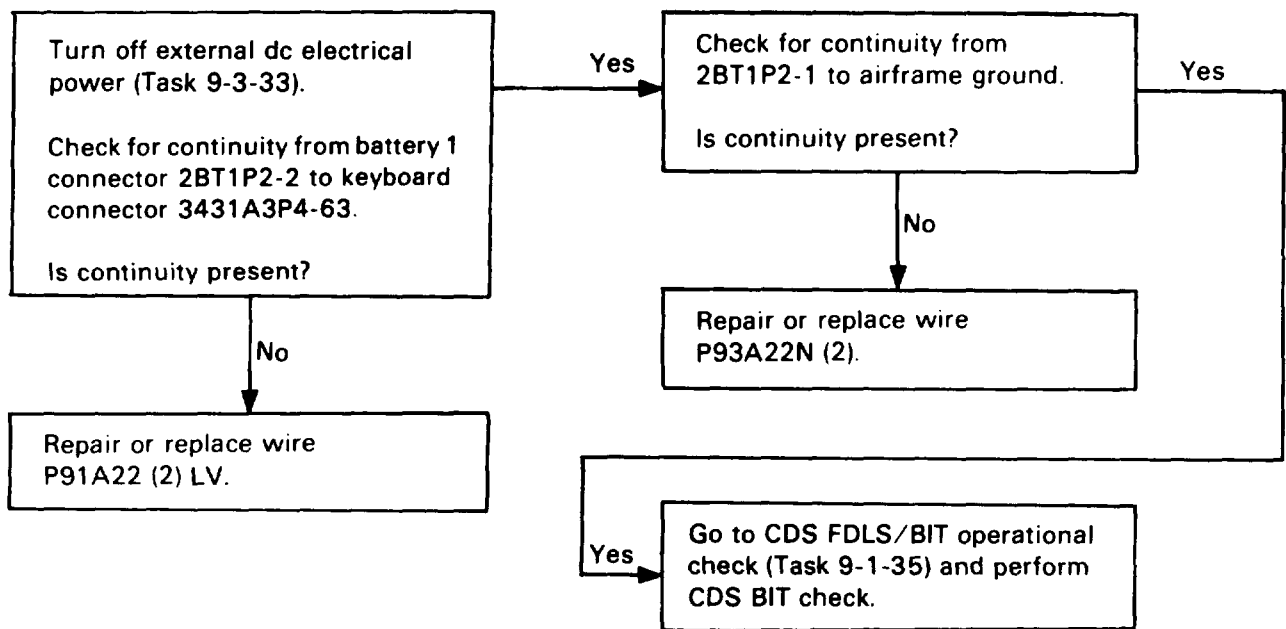


34. HEATER SOLENOID VALVE WILL NOT OPEN (CONT)



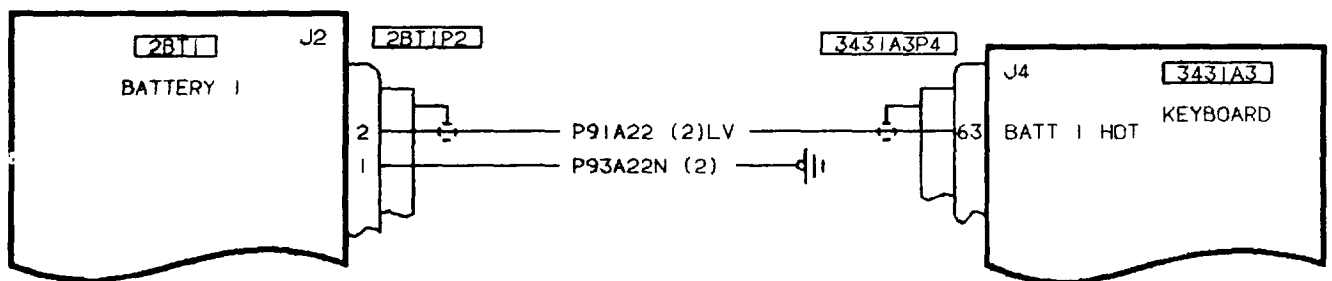
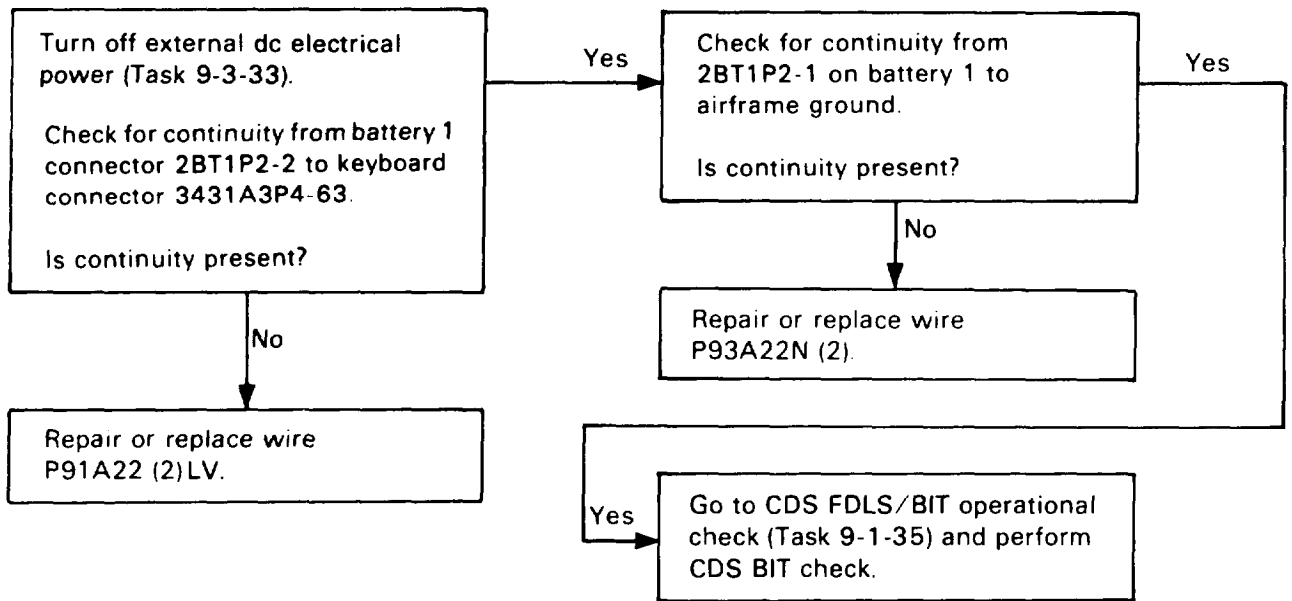
406475-394

35. HOT BATT 1 CAUTION MESSAGE NOT DISPLAYED ON MFD (EXTERNAL POWER AND JUMPER BETWEEN PINS 1 & 2 OF CONNECTOR 2BT1P2)



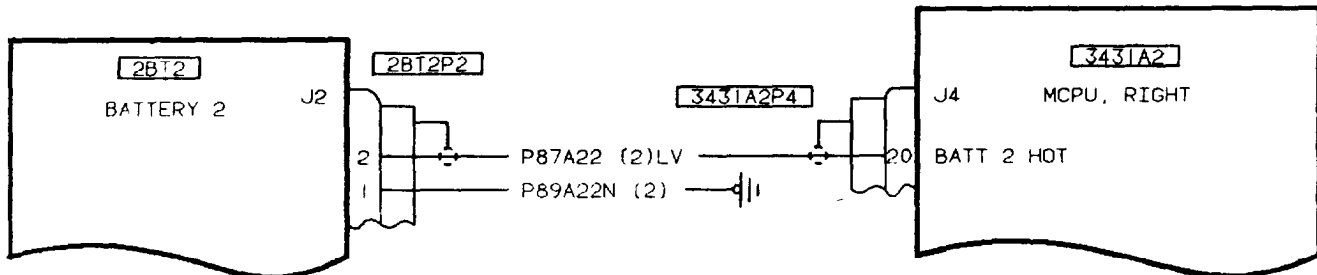
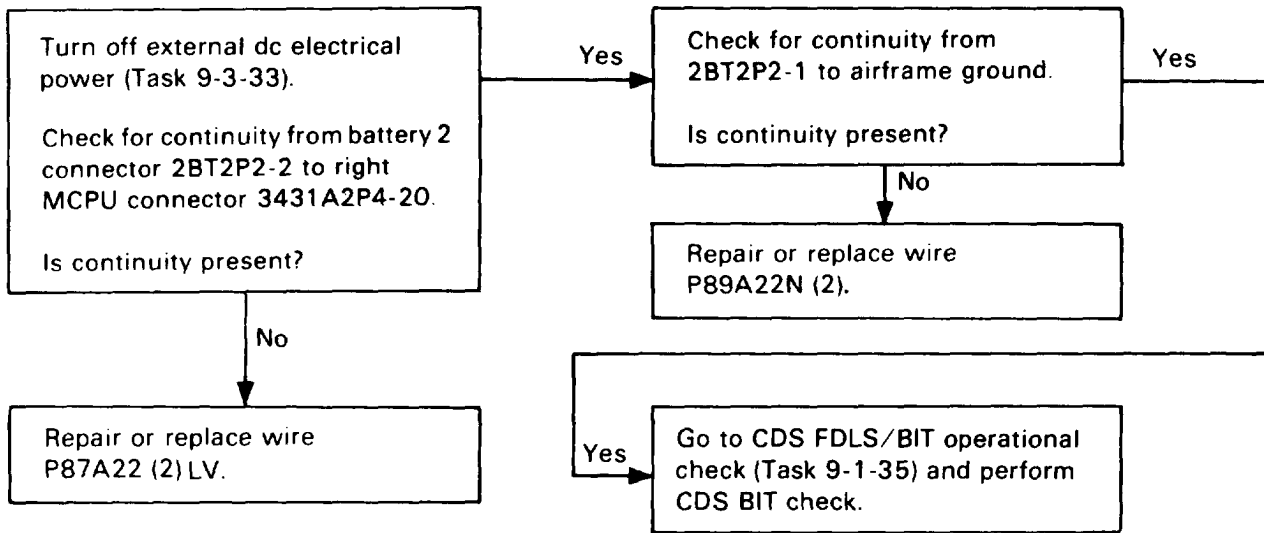
406475-326

36. HOT BATT 1 MESSAGE NOT DISPLAYED ON MFD



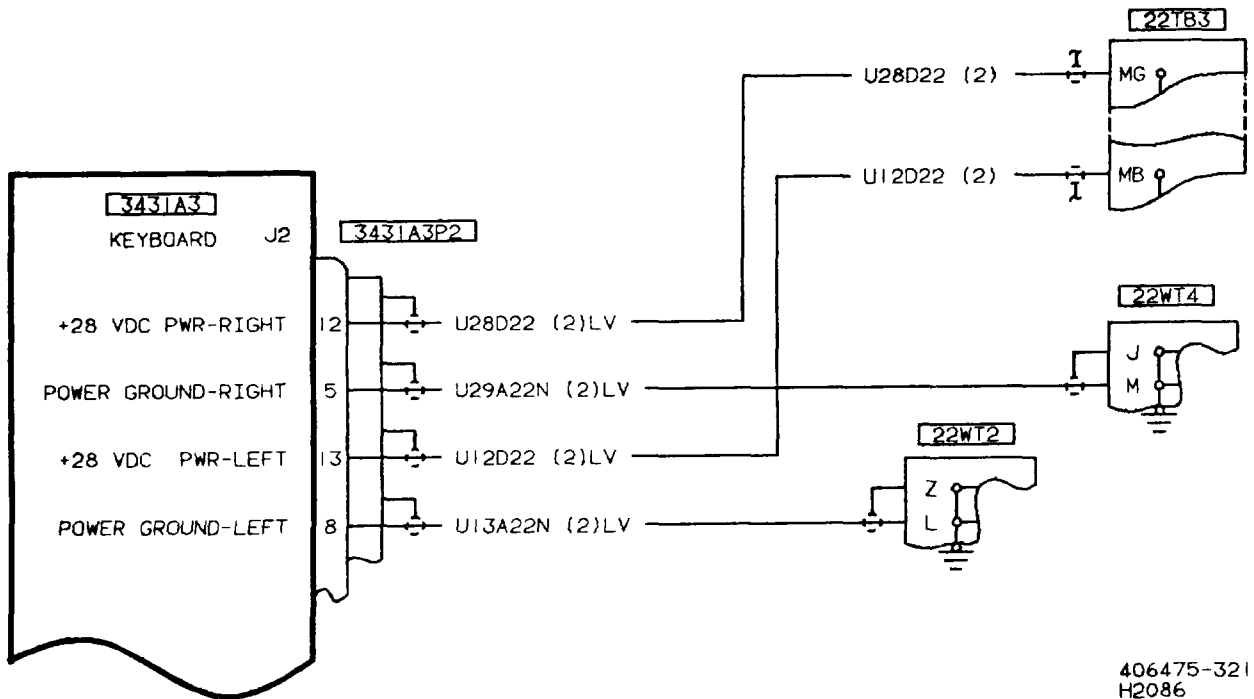
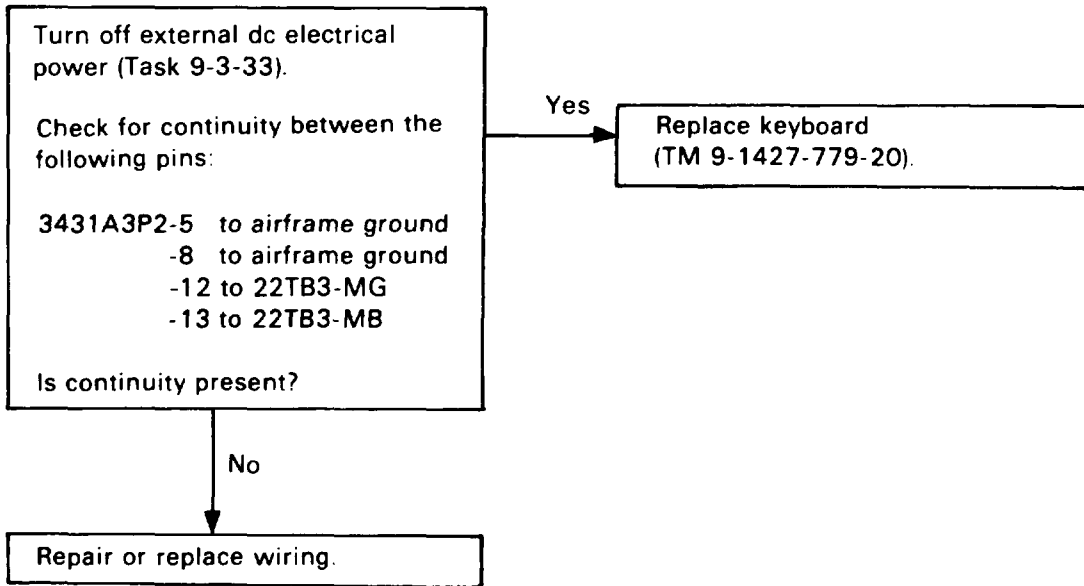
406475-335
H2086

37 HOT BATT 2 MESSAGE NOT DISPLAYED ON MFD



406475-333
H2086

38. KEYBOARD HAS NO RESPONSE ON OPERATOR CHECKS PAGE DURING SWITCH CHECK



39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED

Select FDL MENU page from INITIAL page. Select BIT page from FDL MENU page.

Note LRU failure indication next to MMS line select key.

Turn off external dc electrical power (Task 9-3-33).

If any of the following failure indications are displayed, replace LRU or perform troubleshooting as indicated.

f. MSP771 BIT FAIL

Replace MMS signal processor (TM 9-1240-778-20).

g. MCPS FAIL

Replace MMS signal processor (TM 9-1240-778-20).

a. PWR ON FAILURE

Replace gyro electronics assembly (TM 9-1240-778-20).

b. OBS FAIL

Replace MMS signal processor (TM 9-1240-778-20).

c. GBA FAIL

Replace MMS signal processor (TM 9-1240-778-20).

d. GEA FAIL

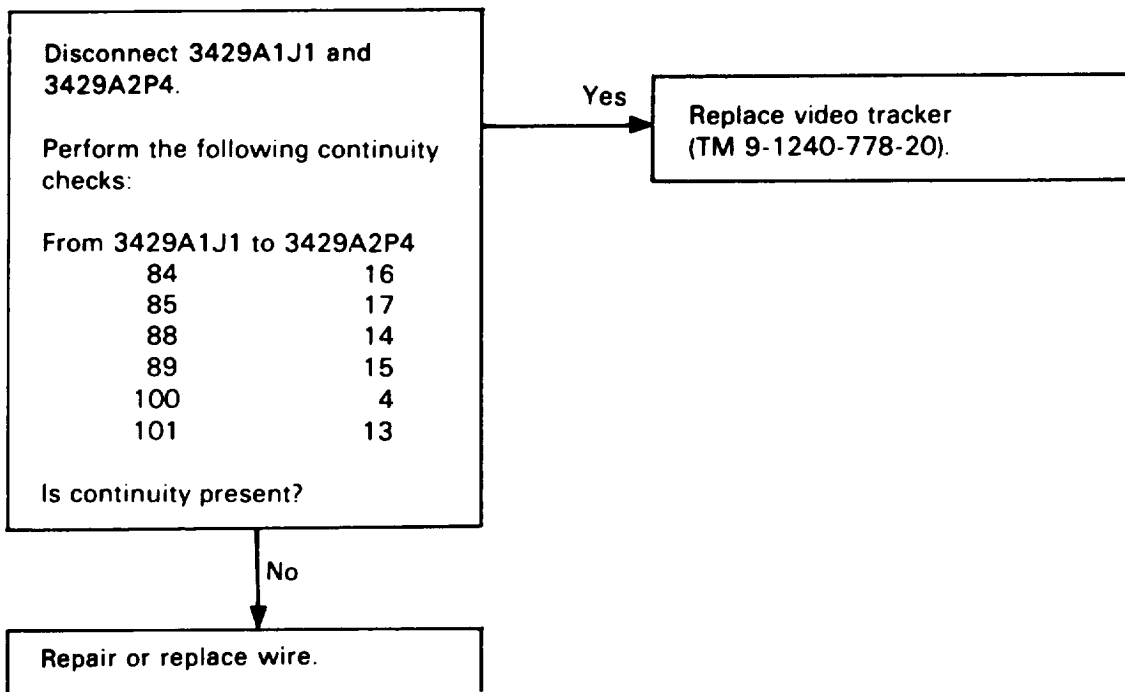
Replace MMS power supply (TM 9-1240-778-20).

e. MSP GENERAL BIT FAIL

Replace MMS signal processor (TM 9-1240-778-20).

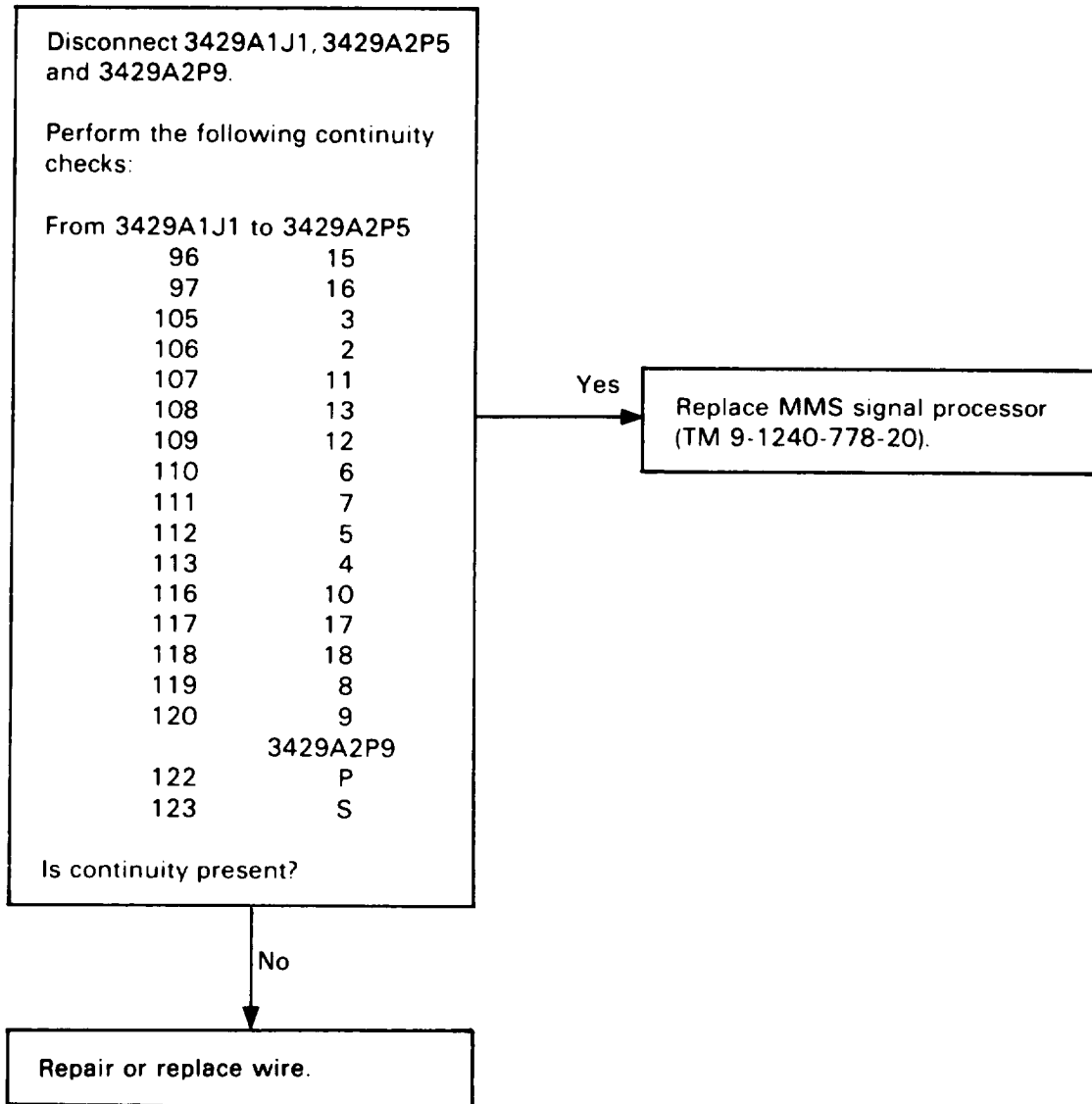
39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

h. TRACKESR FAIL



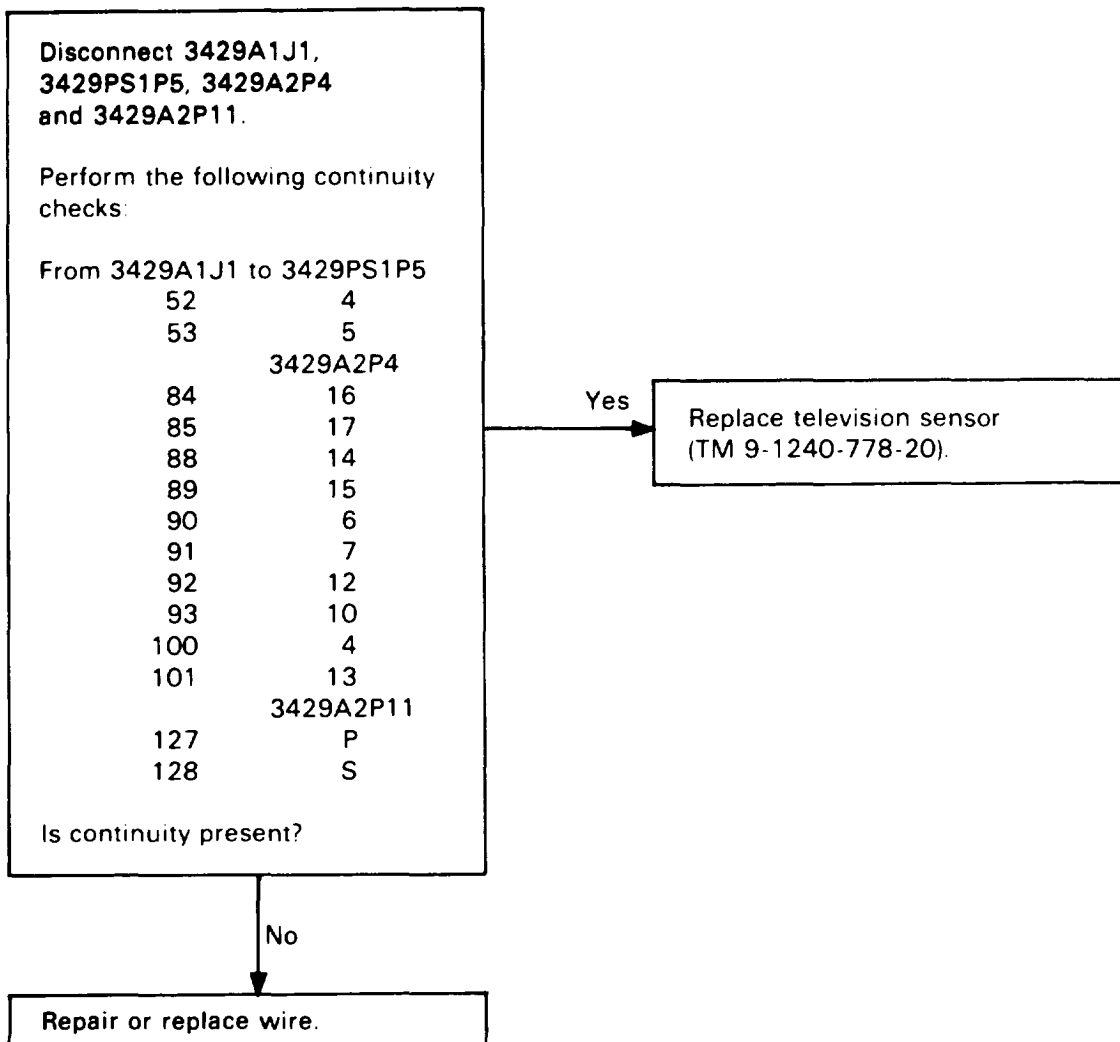
39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

i. DCS FAIL



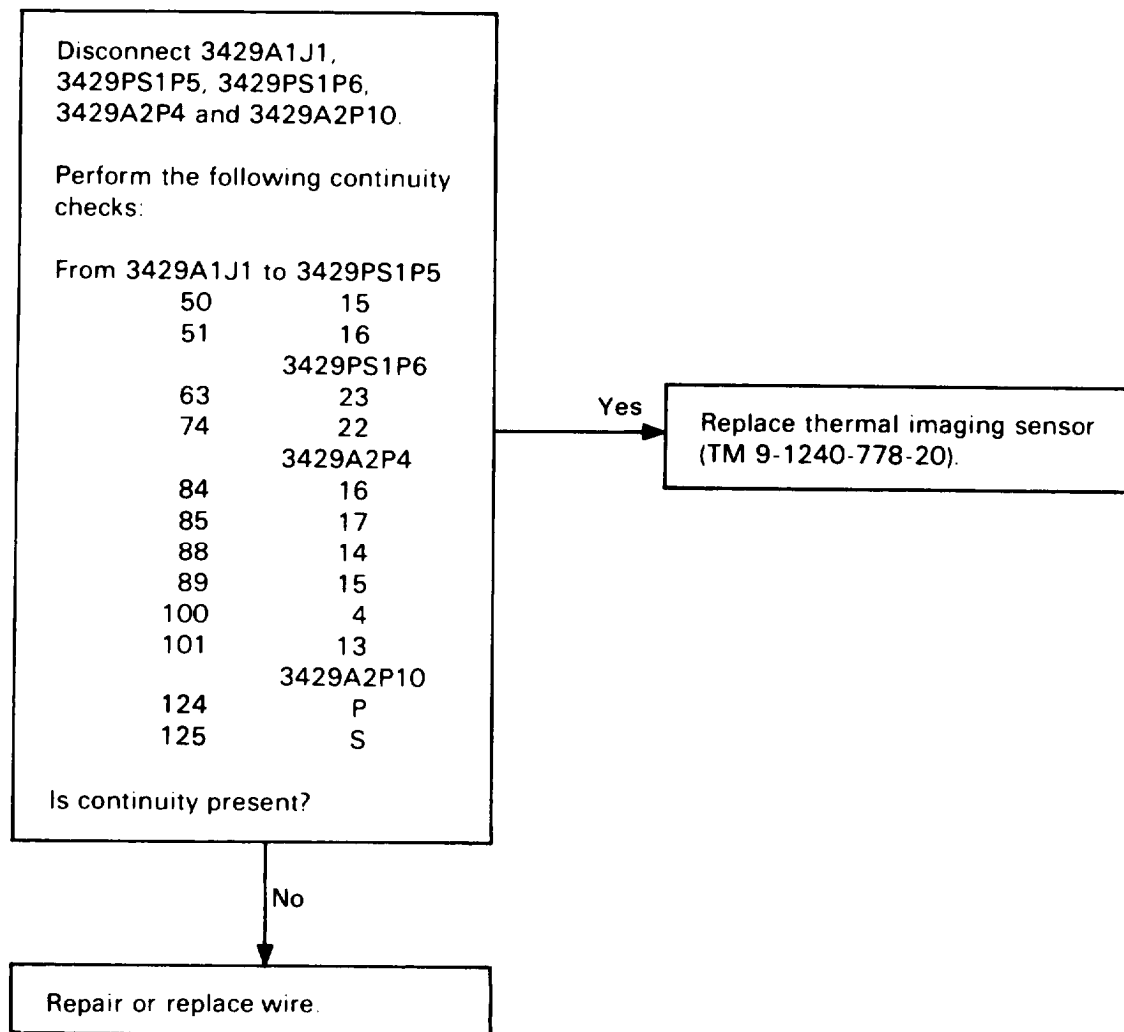
39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

j. TV FAIL



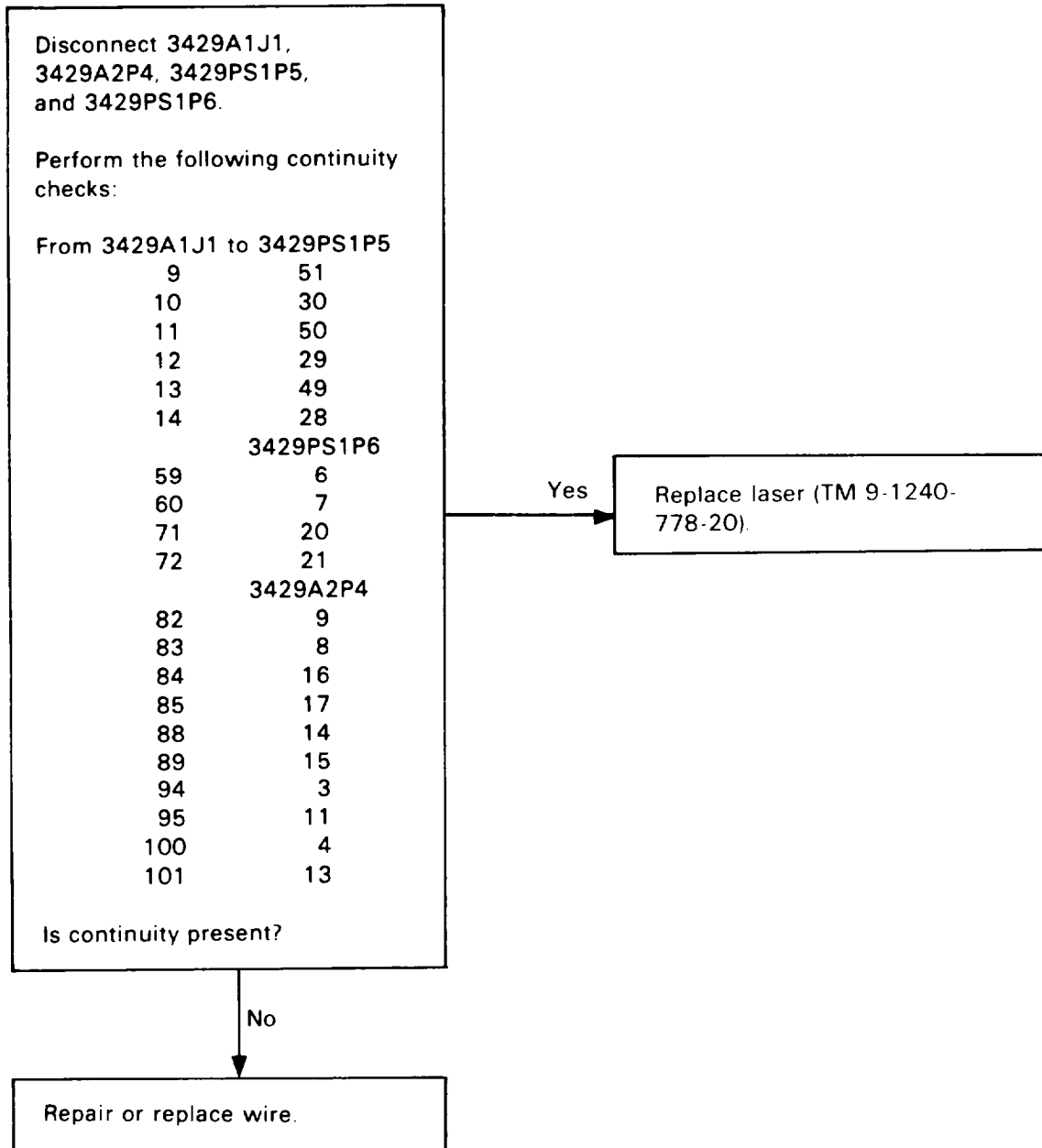
39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

k. TIS FAIL



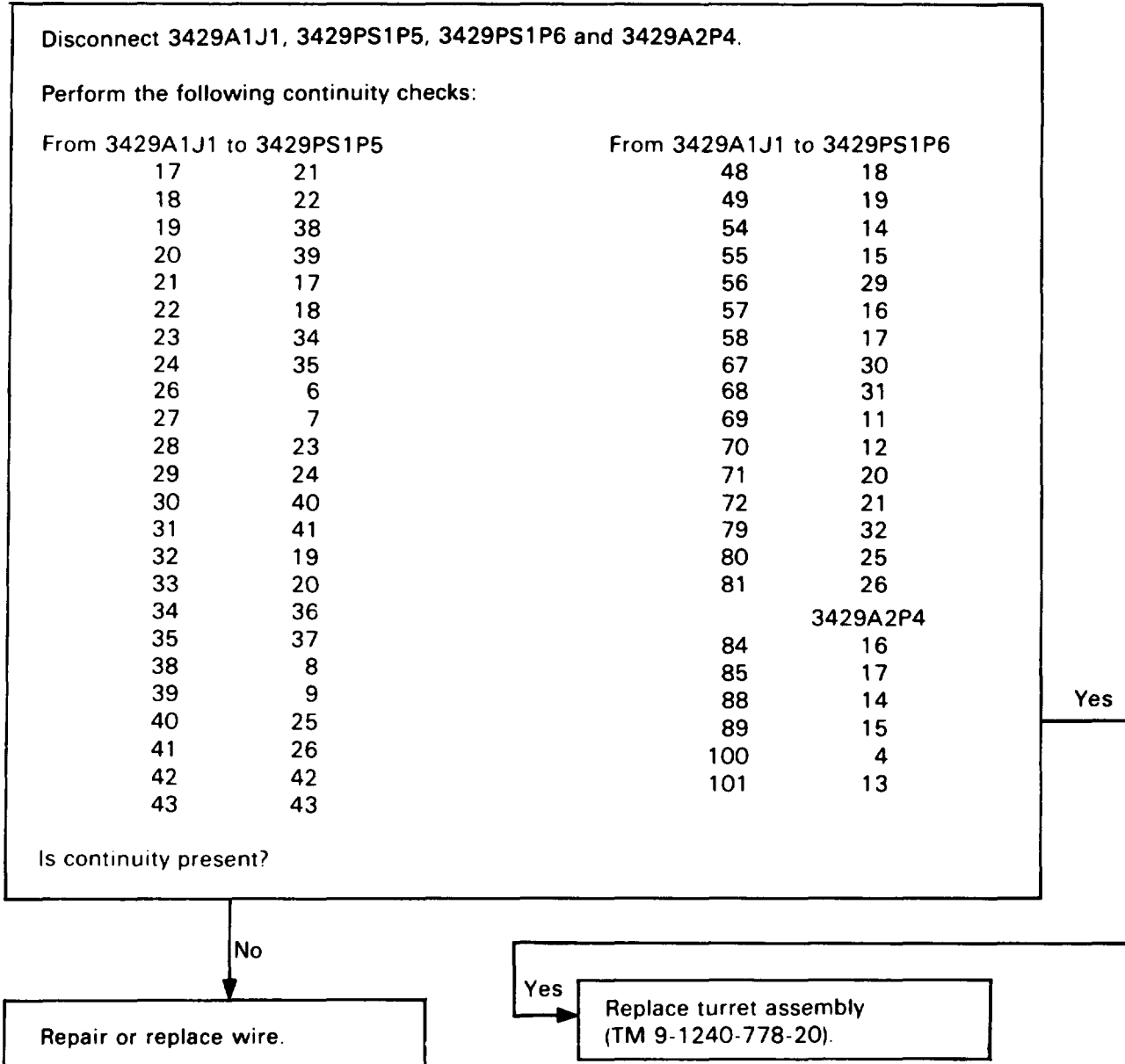
39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

I. USER FAIL



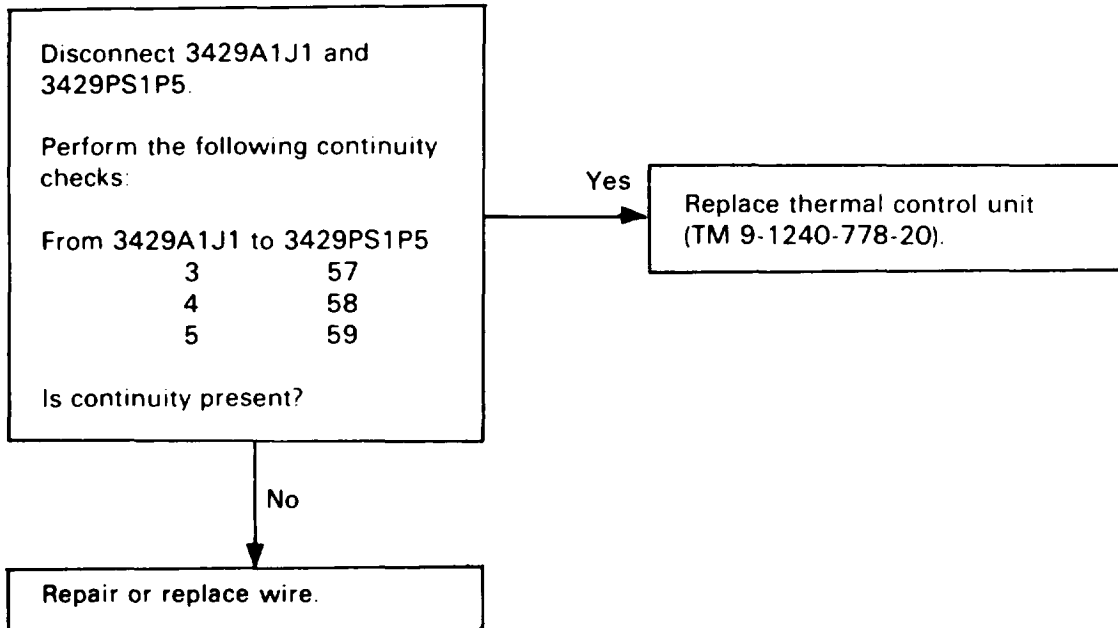
39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

m. TURRET FAIL



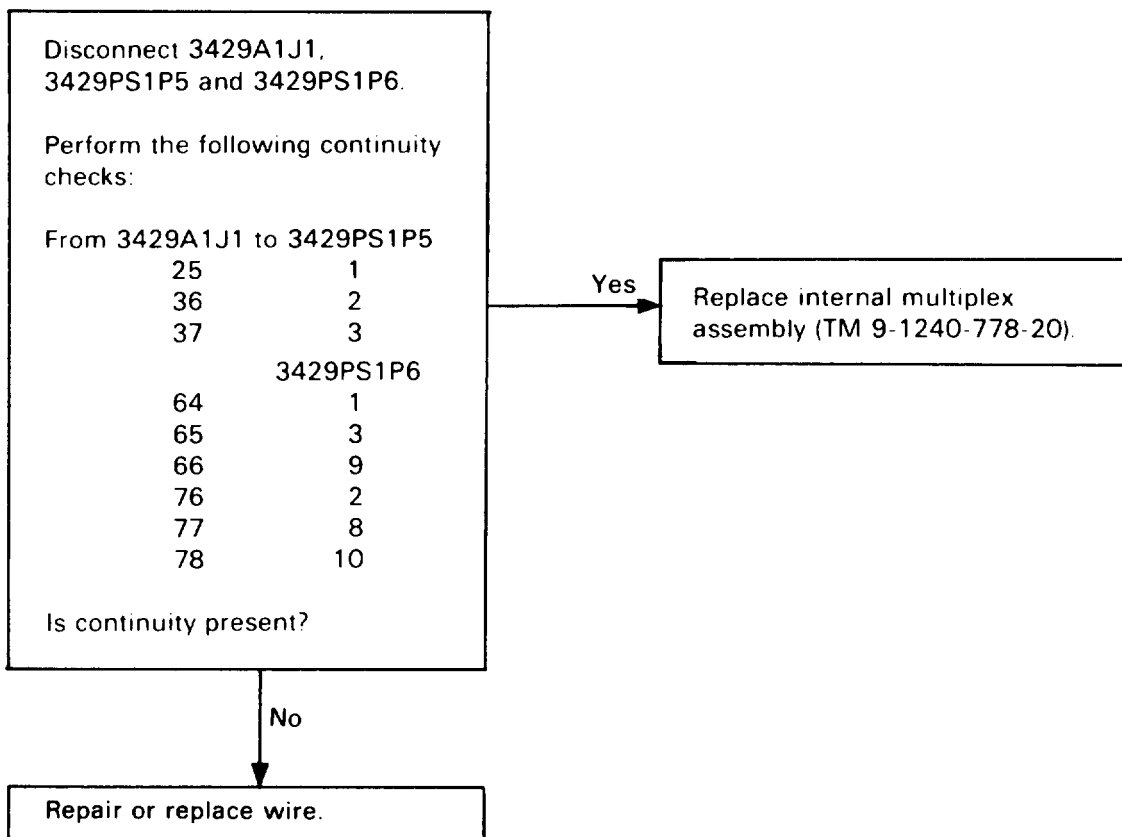
39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

n. TCU FAIL

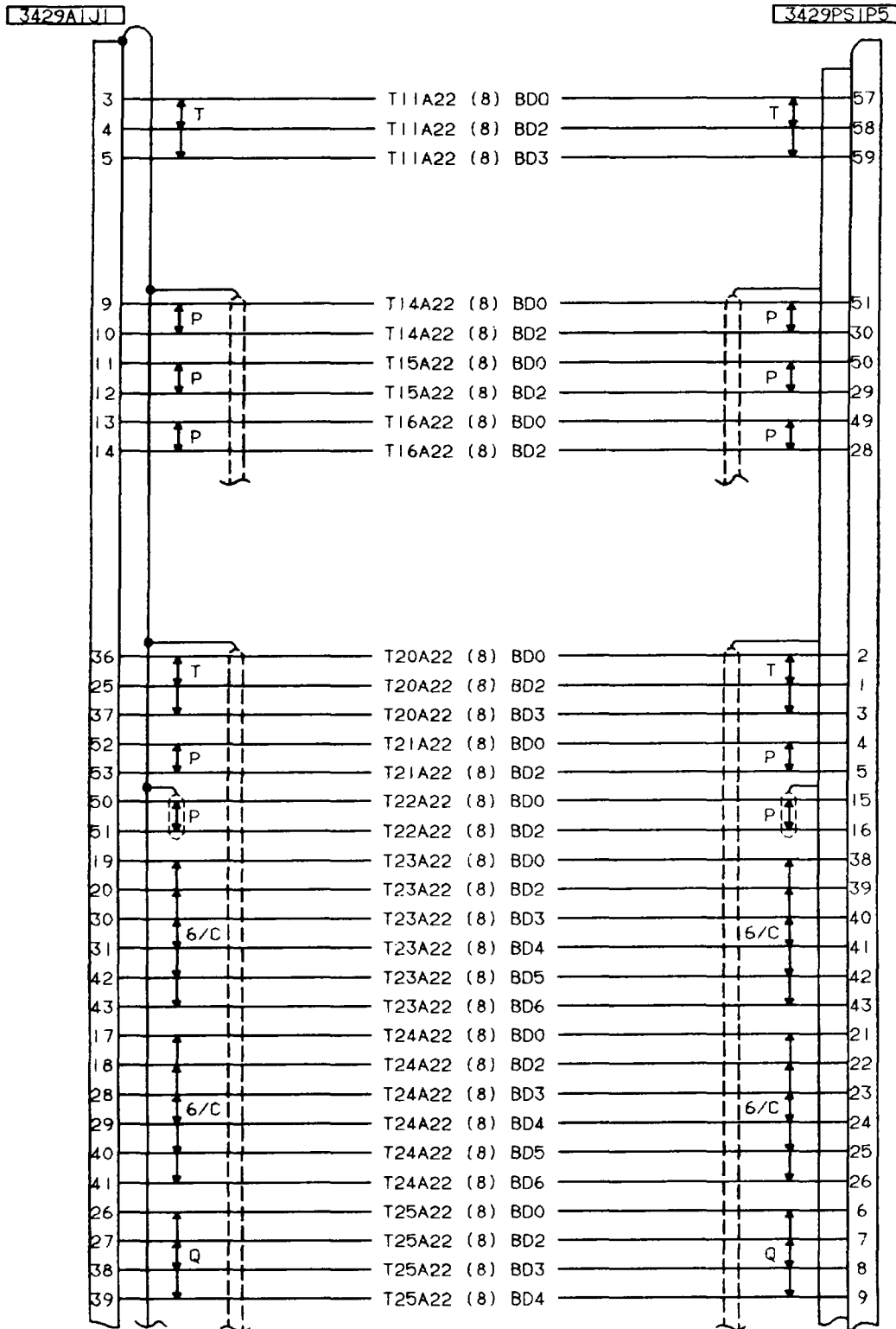


39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

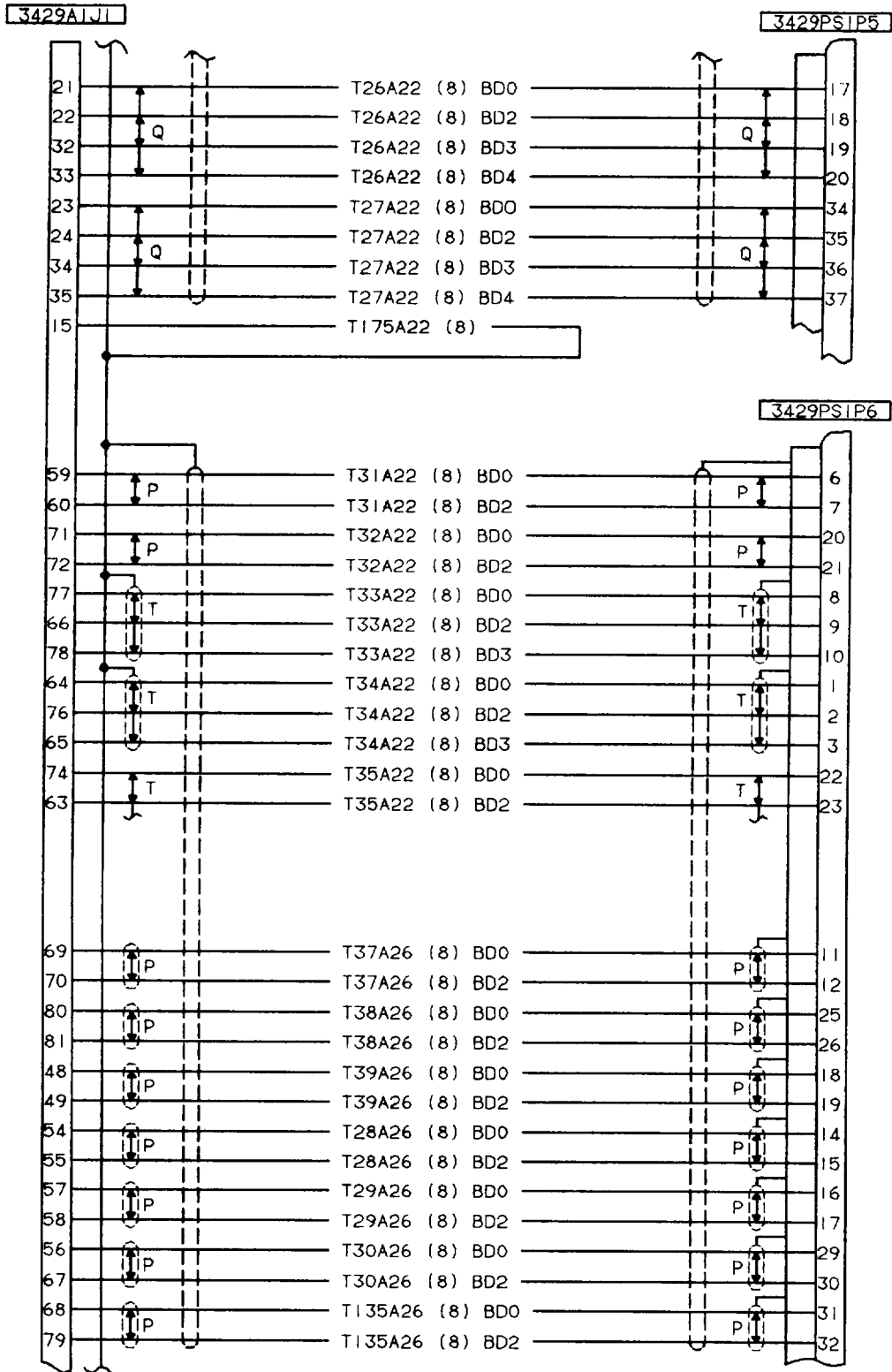
o. IMUX FAIL



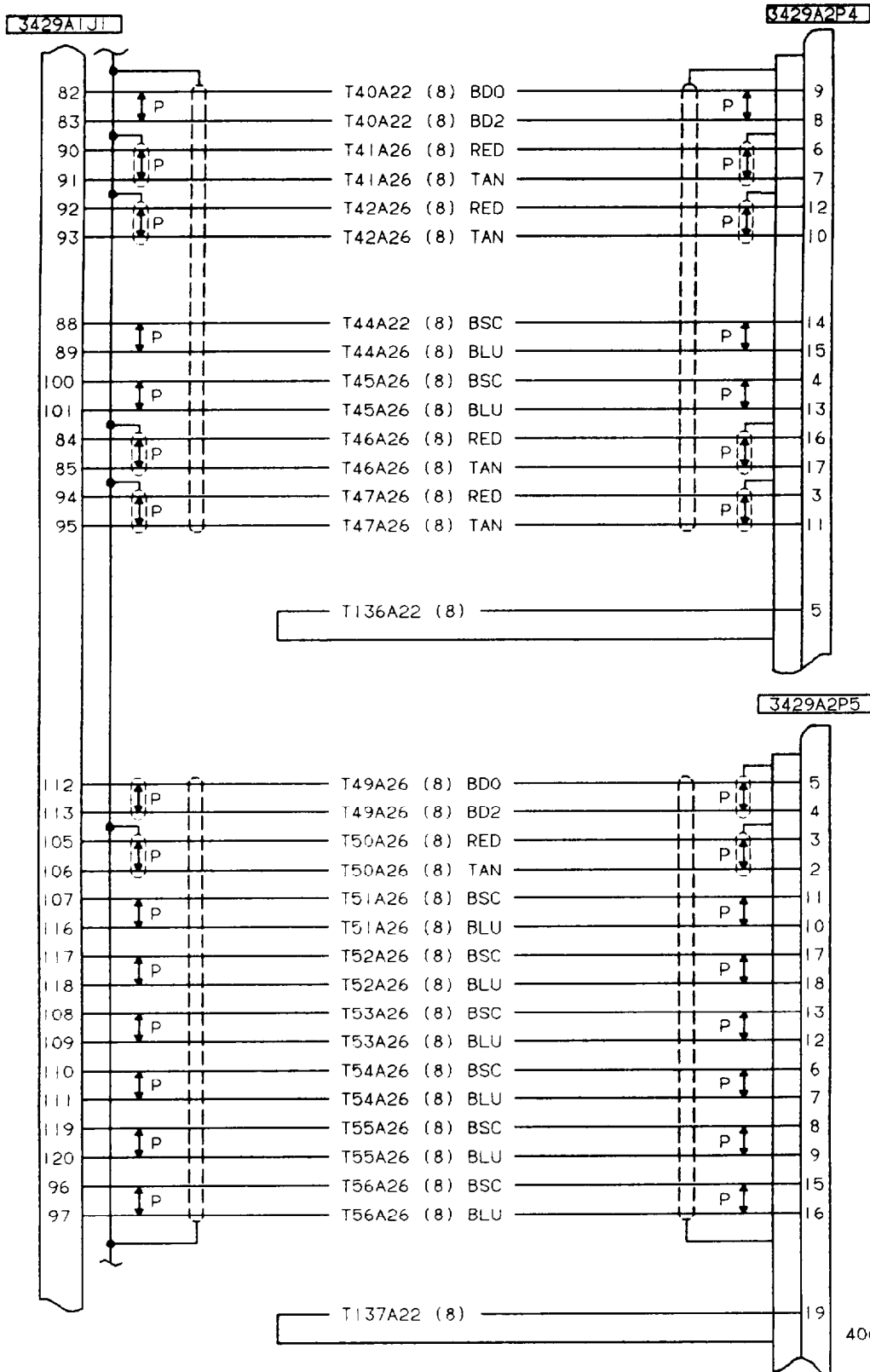
39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)



39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

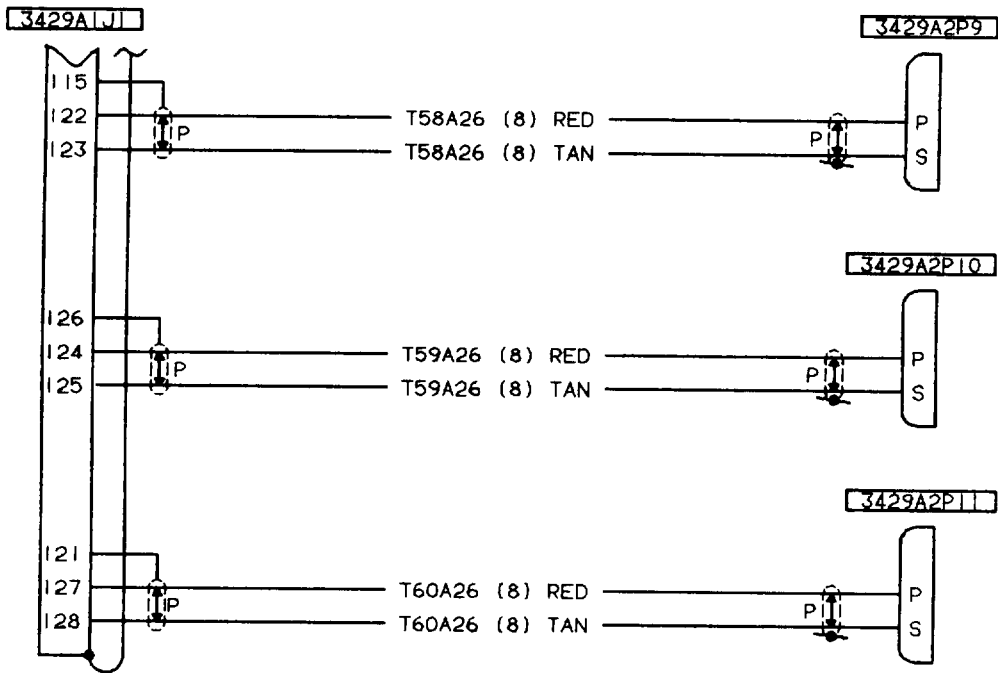


39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)



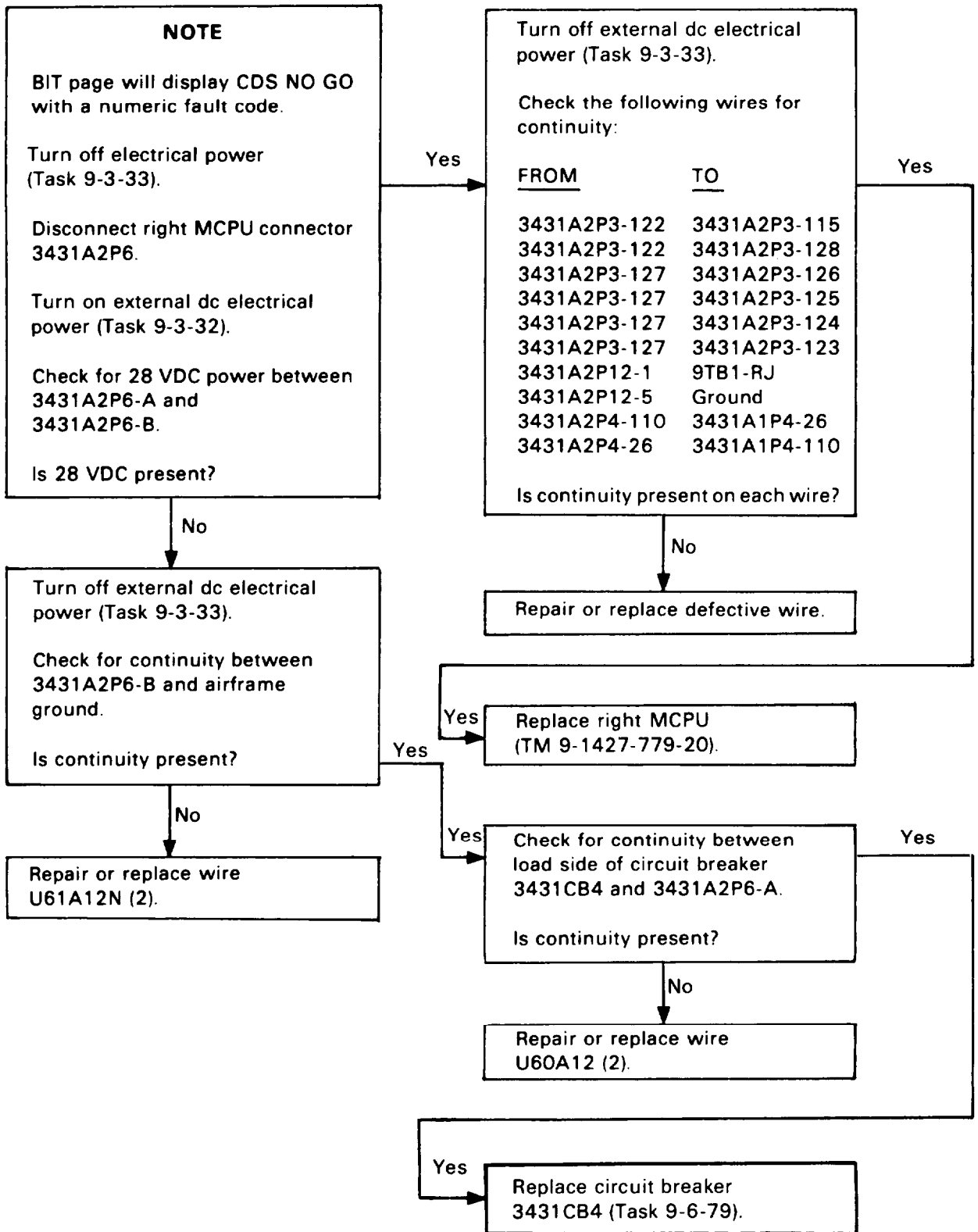
406475-395-3

39. MMS UP ADVISORY MESSAGE IS NOT DISPLAYED ON MFD AND MMS FAIL IS DISPLAYED (CONT)

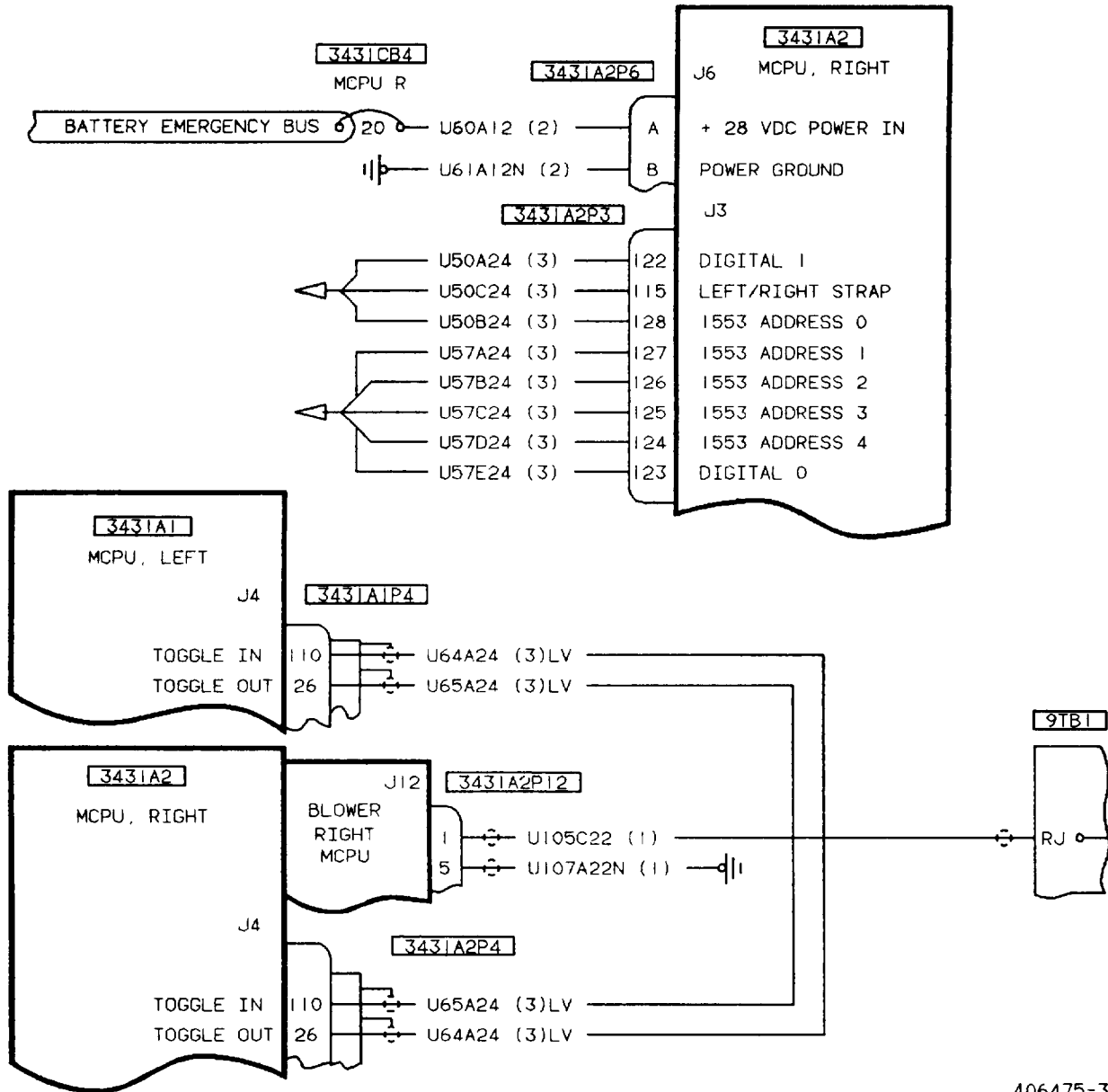


406475-395-4

40. MFD BIT PAGE, CDS FAULT CODE 01 IS DISPLAYED (RIGHT MCPU FAILED)

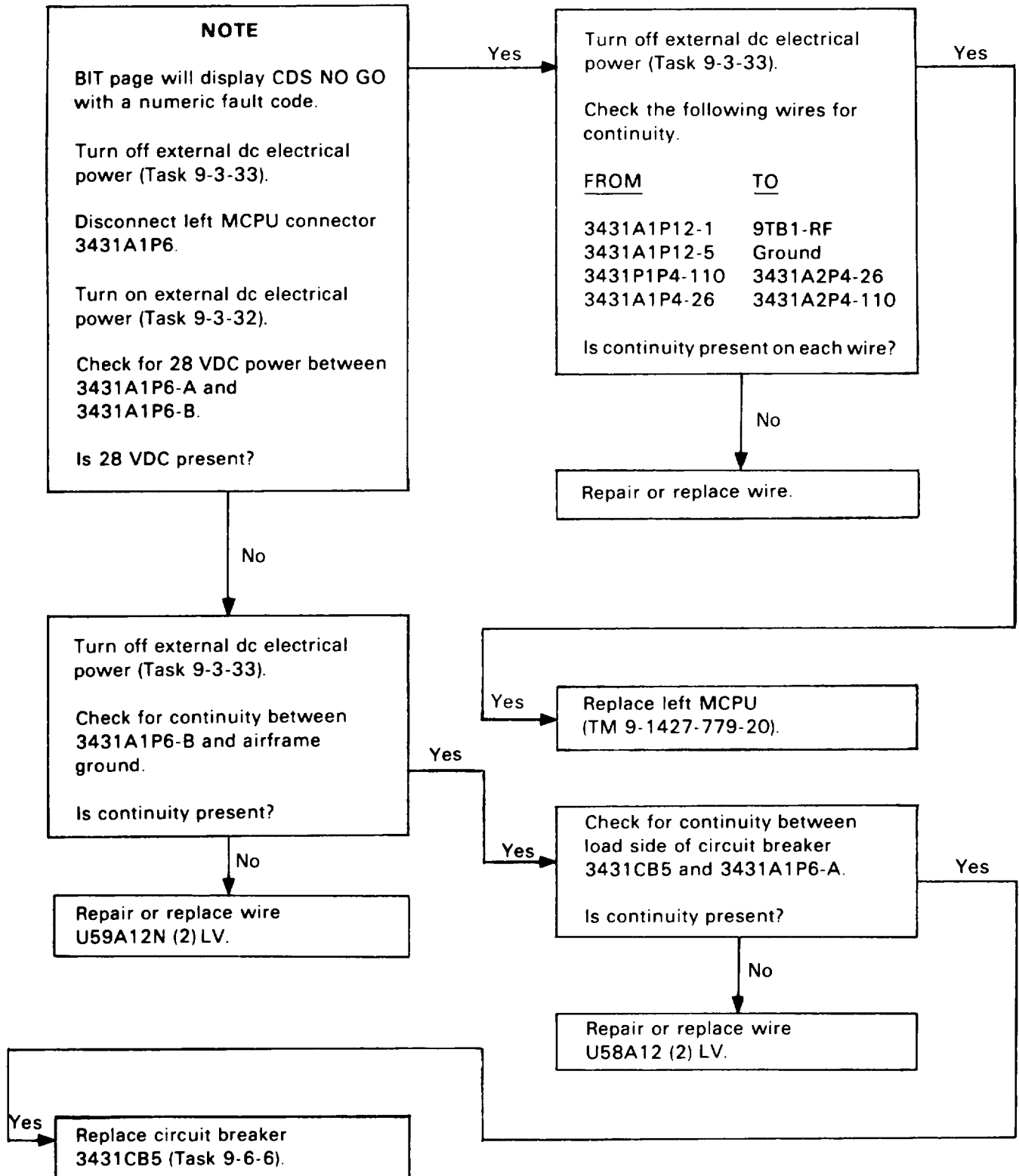


40. MFD BIT PAGE, CDS FAULT CODE 01 IS DISPLAYED (RIGHT MCPU FAILED) (CONT)

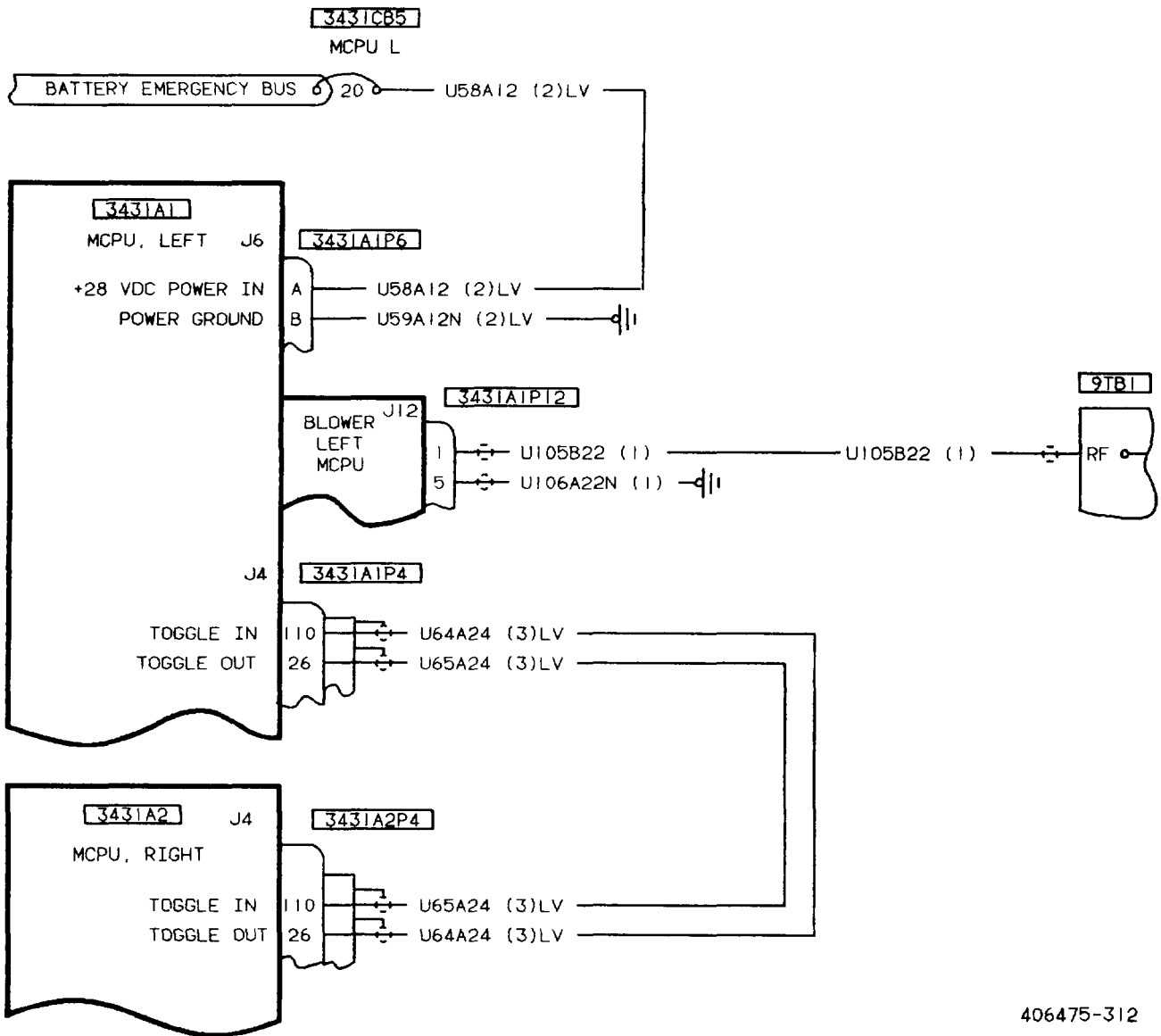


406475-318

41. MFD BIT PAGE, CDS FAULT CODE 02 IS DISPLAYED (LEFT MCPU FAILED)

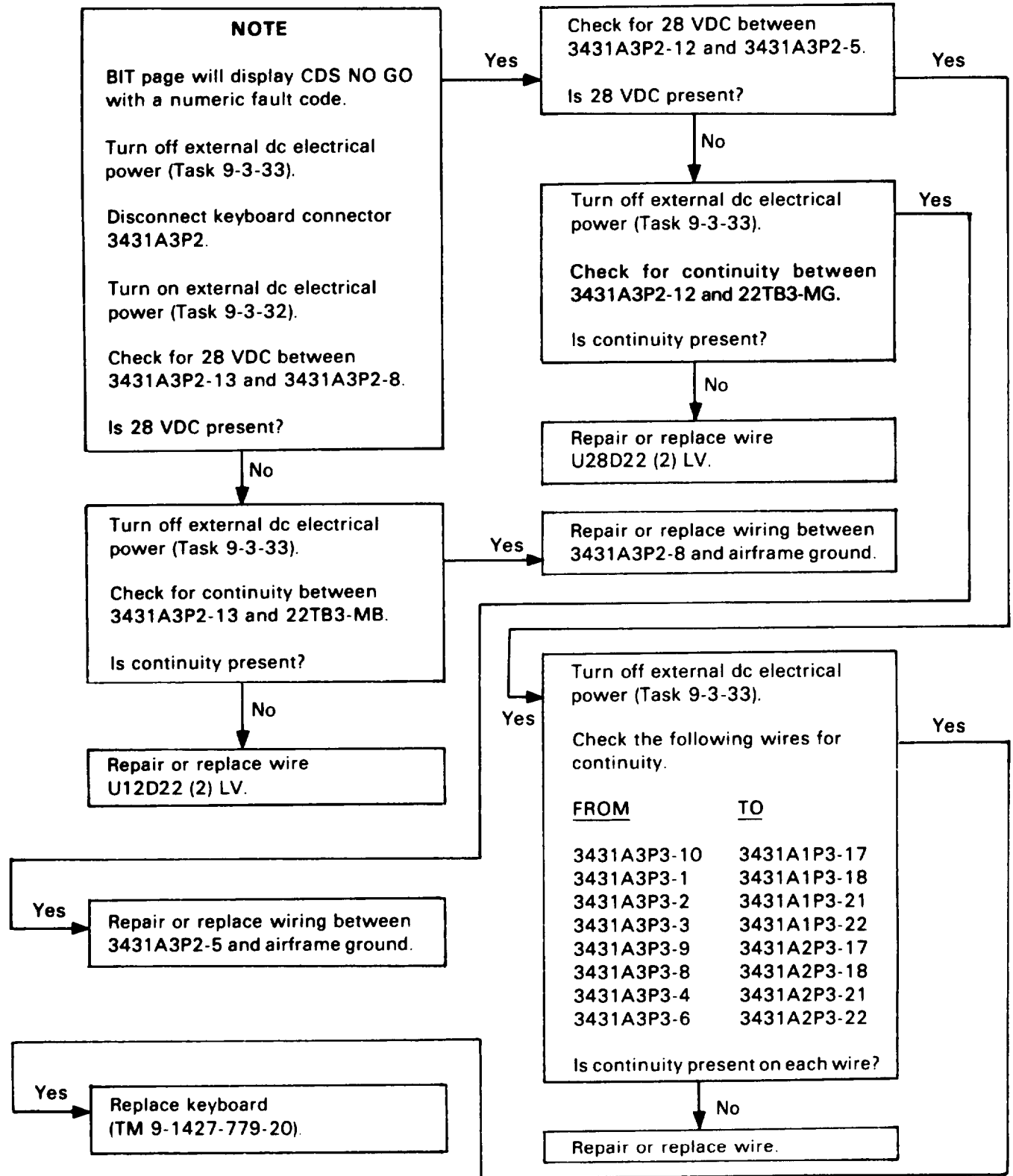


41. MFD BIT PAGE, CDS FAULT CODE 02 IS DISPLAYED (LEFT MCPU FAILED) (CONT)

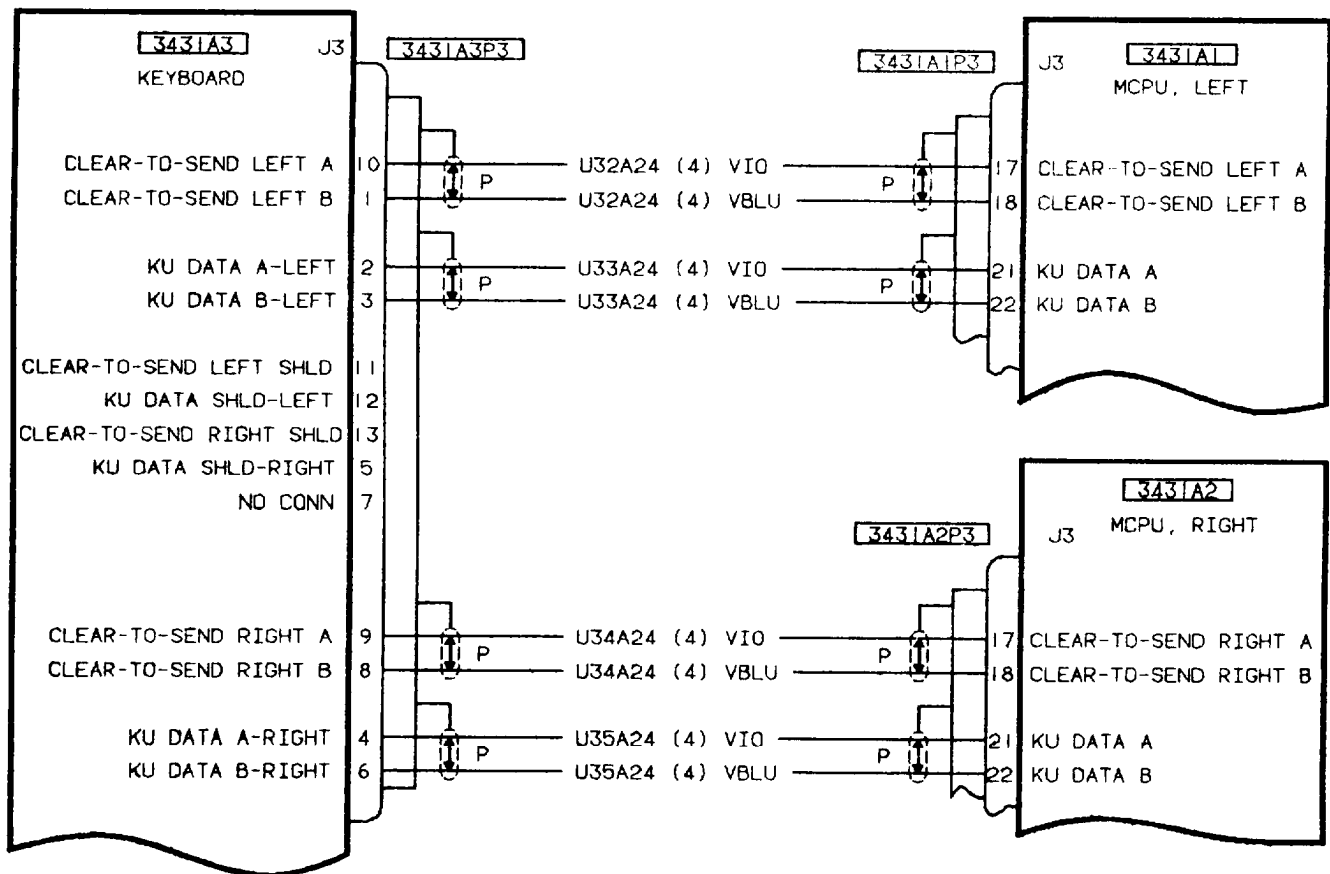
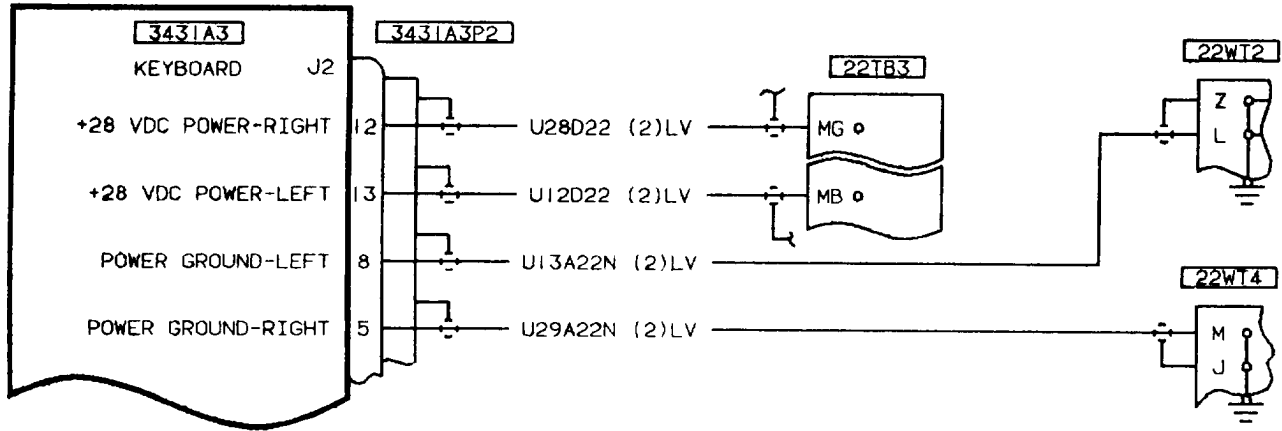


406475-312

42. MFD BIT PAGE, CDS FAULT CODE 04 IS DISPLAYED (KEYBOARD UNIT FAILED)

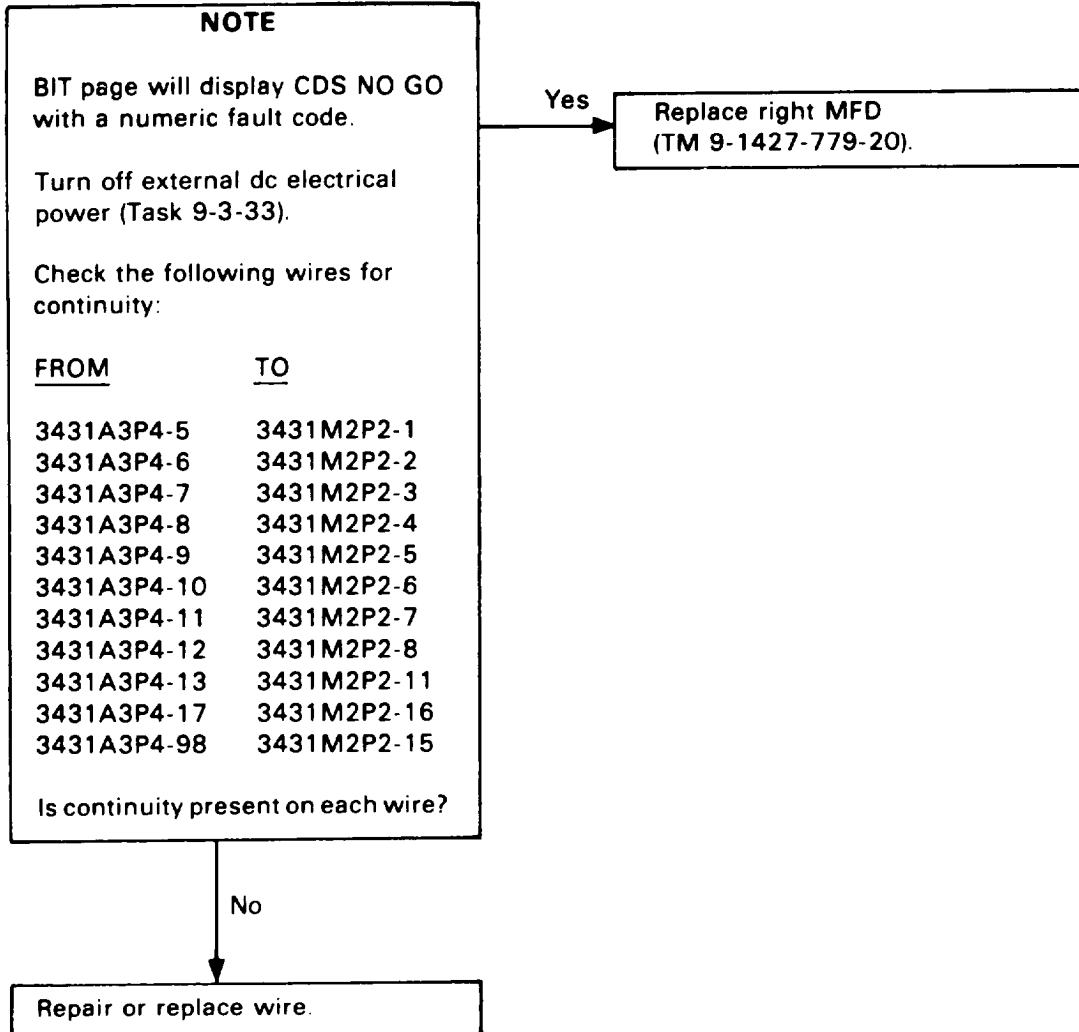


42. MFD BIT PAGE, CDS FAULT CODE 04 IS DISPLAYED (KEYBOARD UNIT FAILED) (CONT)

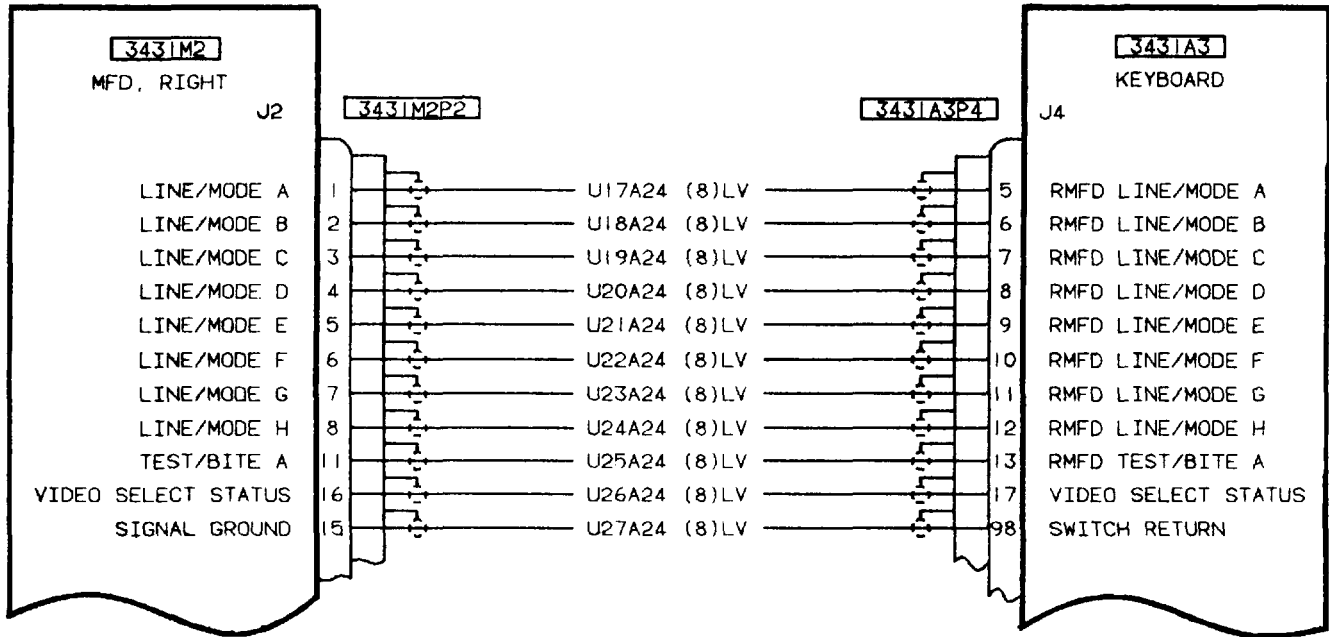


406475-316
H2086

43. MFD BIT PAGE, CDS FAULT CODE 10 IS DISPLAYED (RIGHT MFD FAILED)

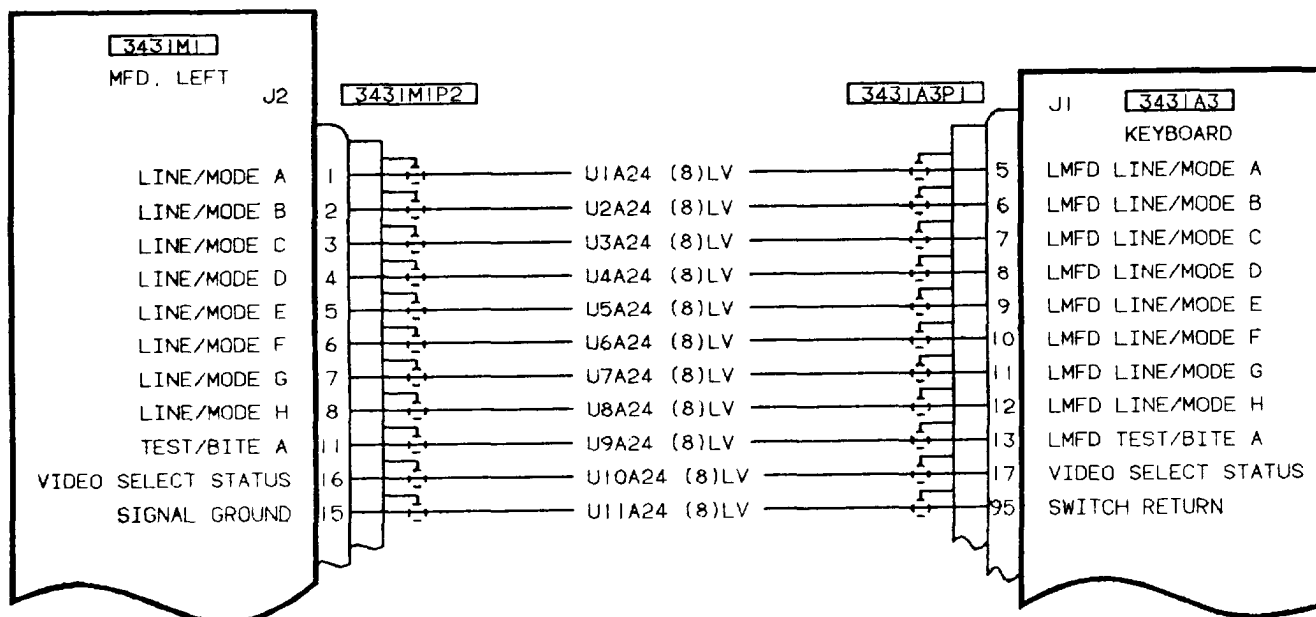
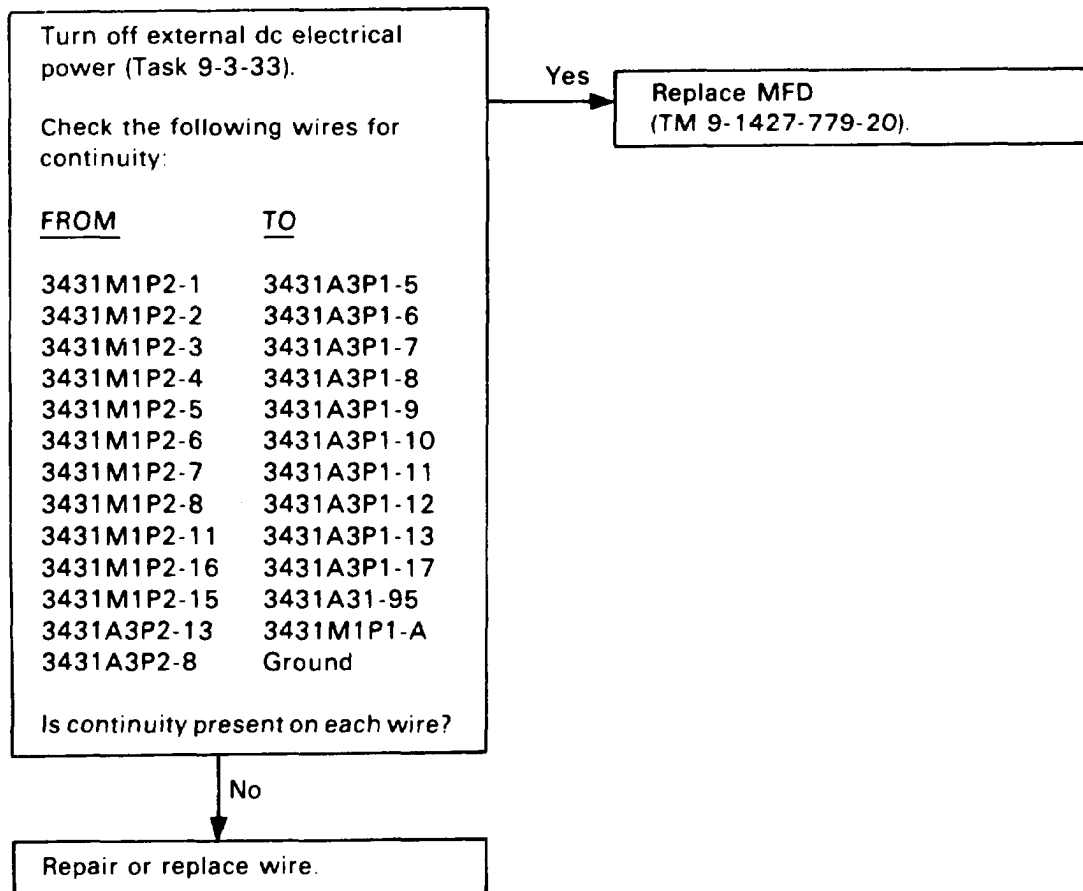


43. MFD BIT PAGE, CDS FAULT CODE 10 IS DISPLAYED (RIGHT MFD FAILED) (CONT)



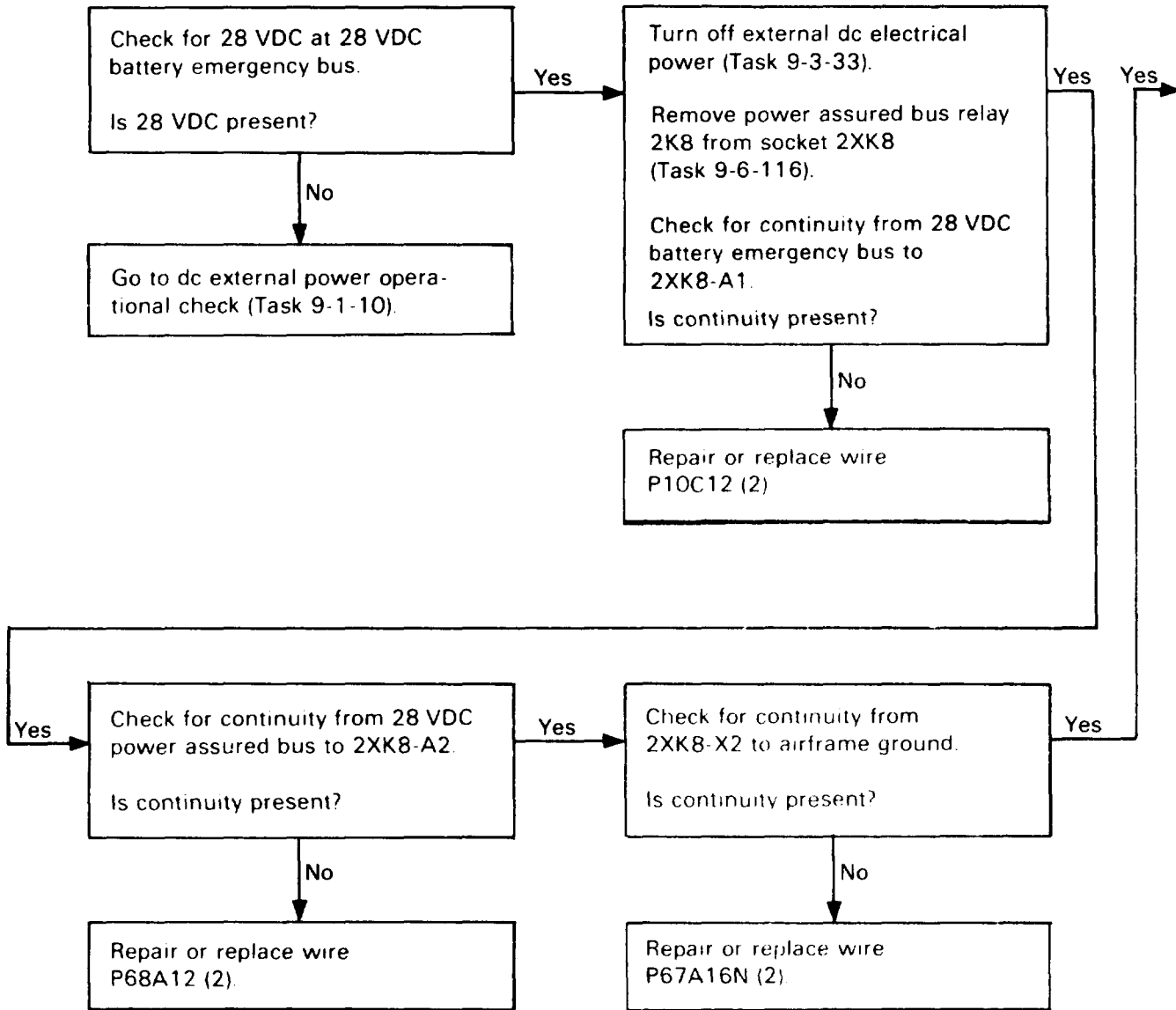
406475-314
H2086

44. MFD BIT PAGE, CDS FAULT CODE 12 IS DISPLAYED (LEFT MFD FAILED)

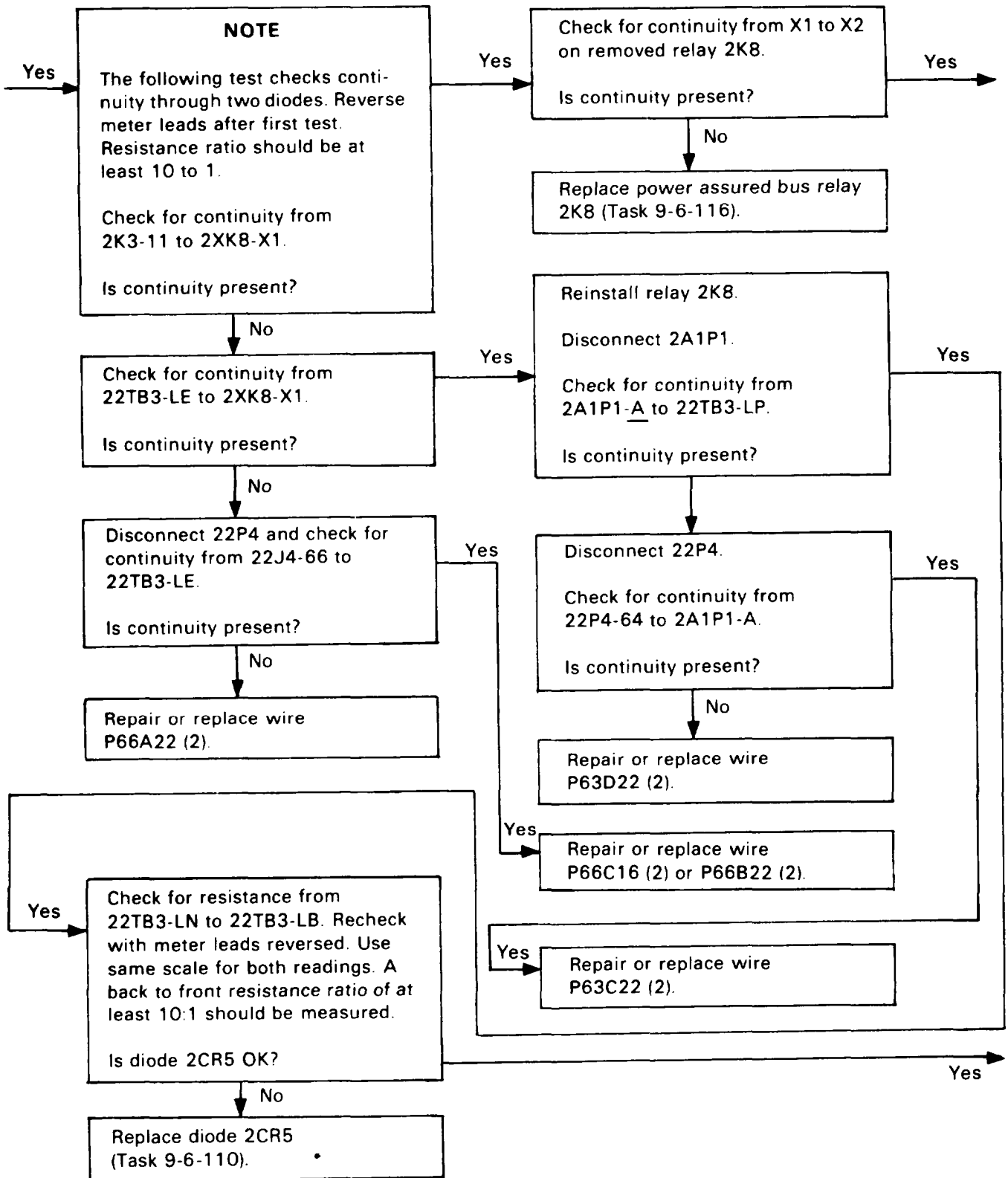


406475-317
H2086

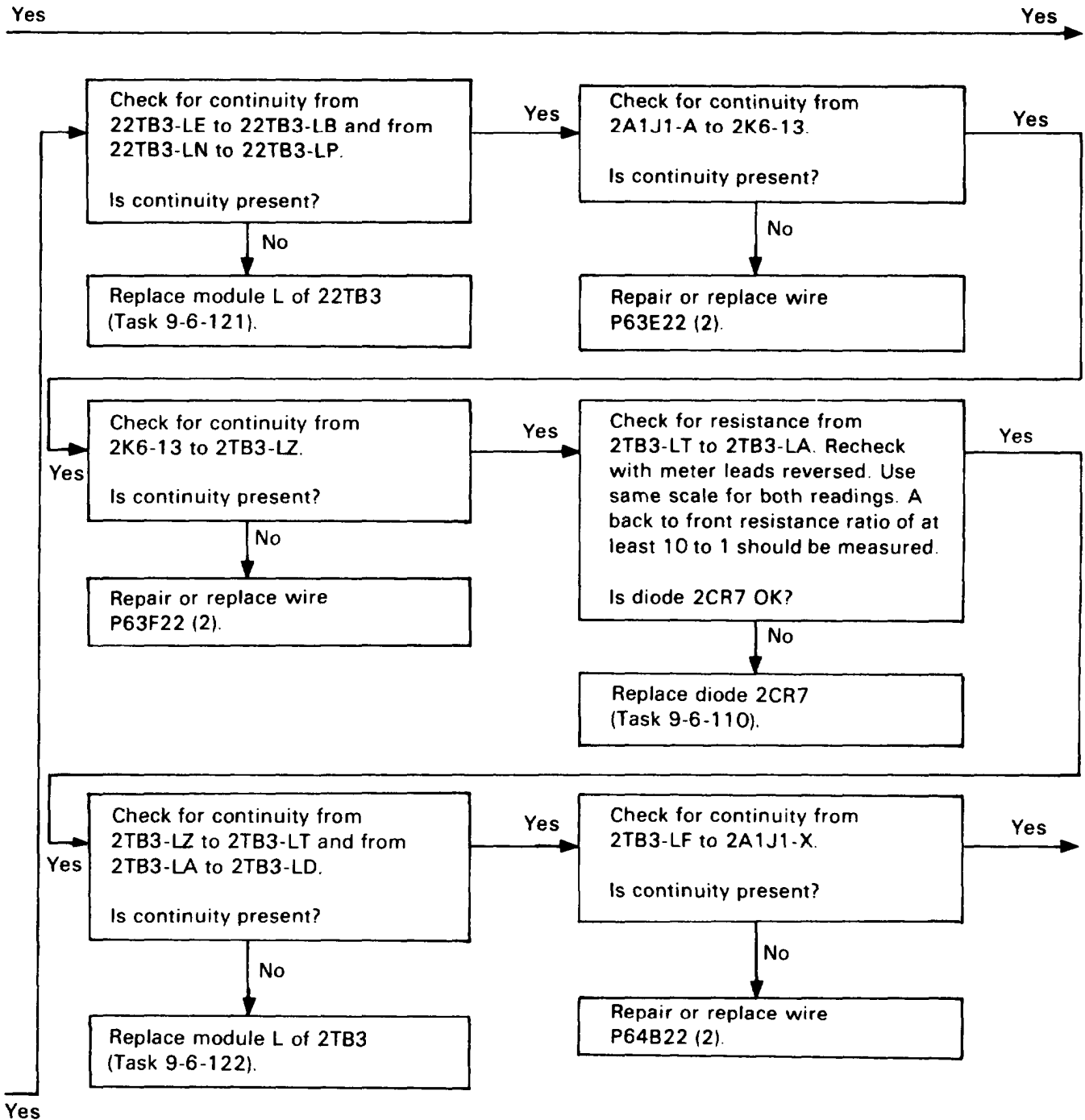
45. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (DC EXTERNAL POWER ON)



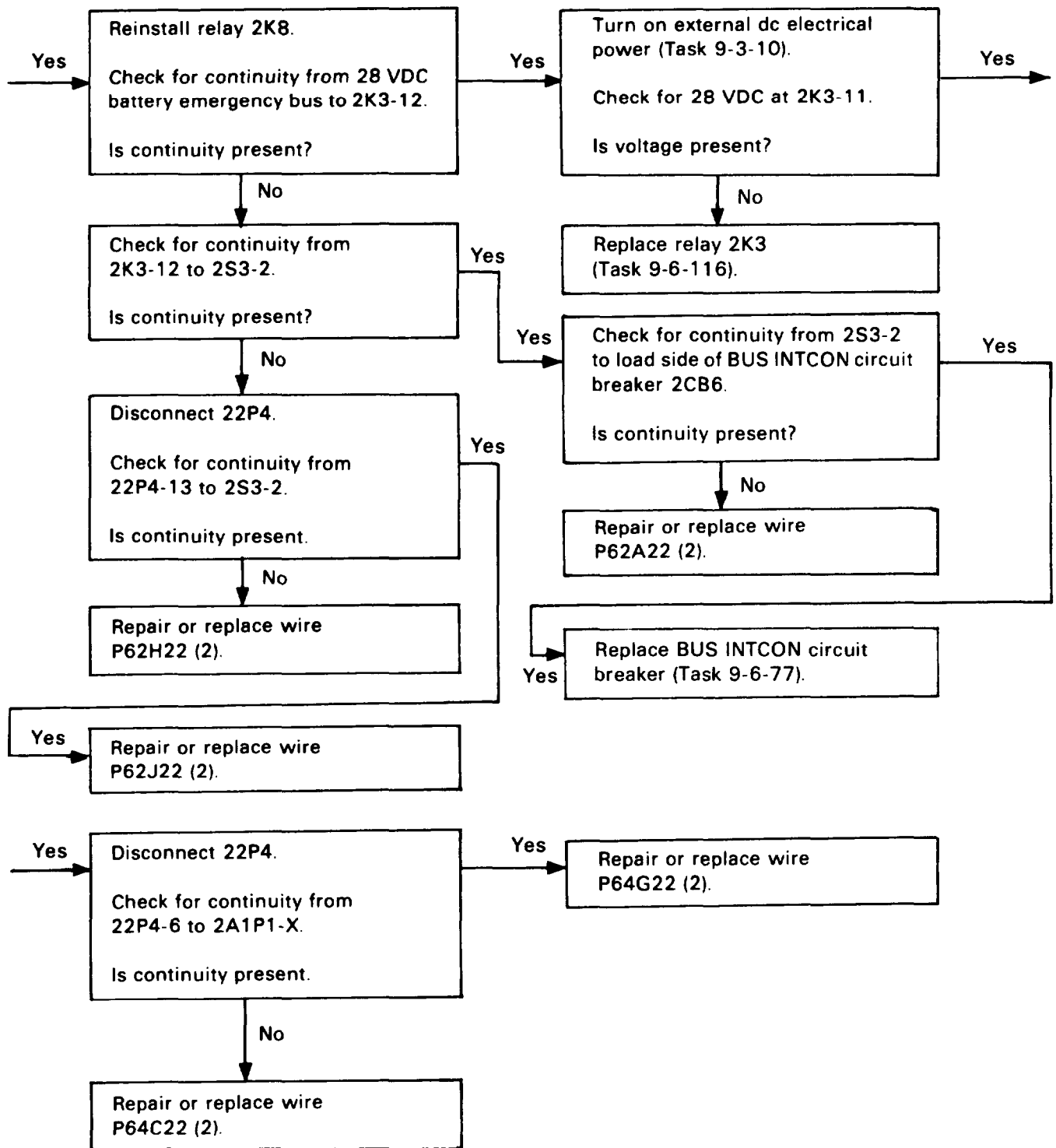
45. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (DC EXTERNAL POWER ON) (CONT)



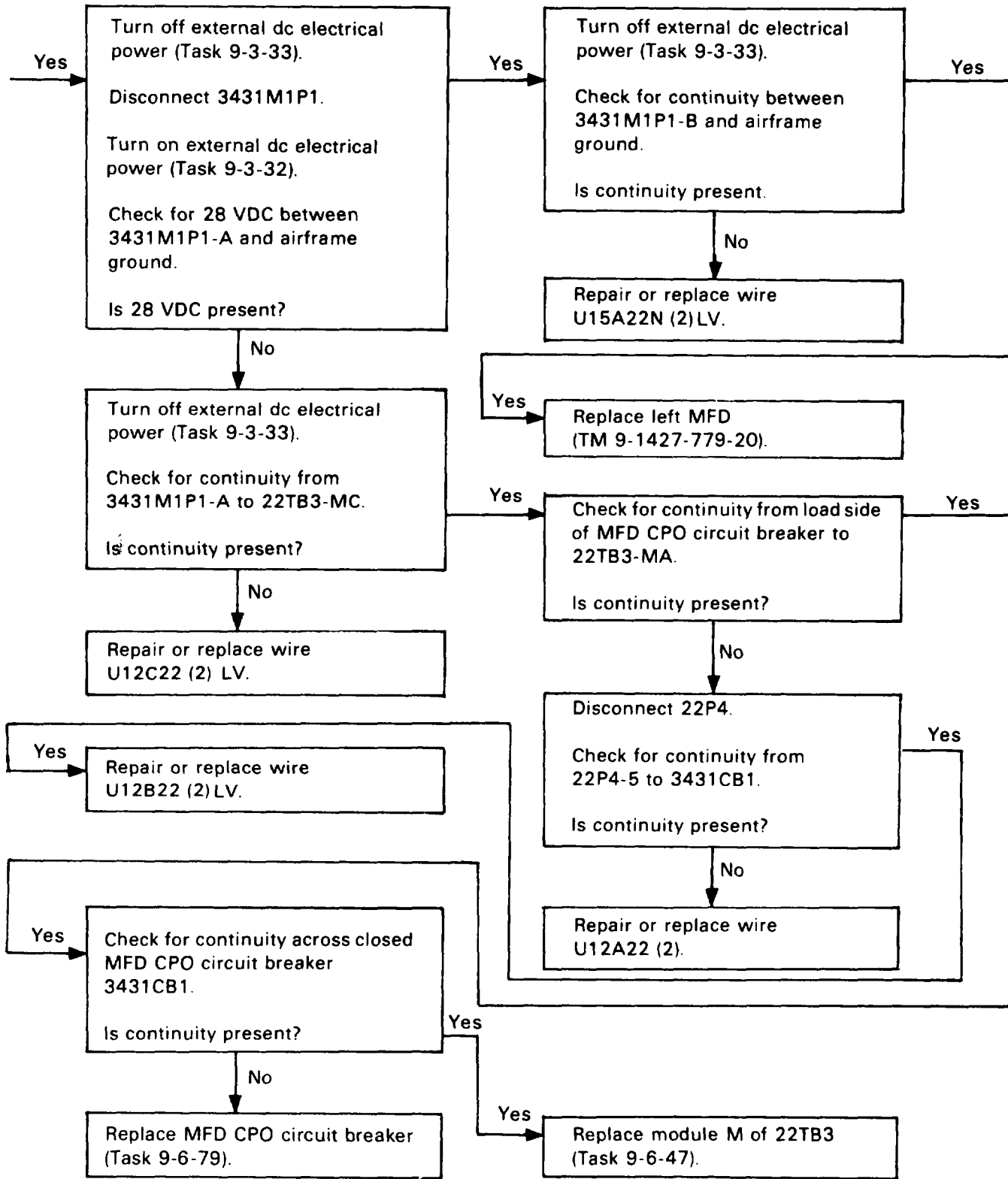
45. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (DC EXTERNAL POWER ON) (CONT)



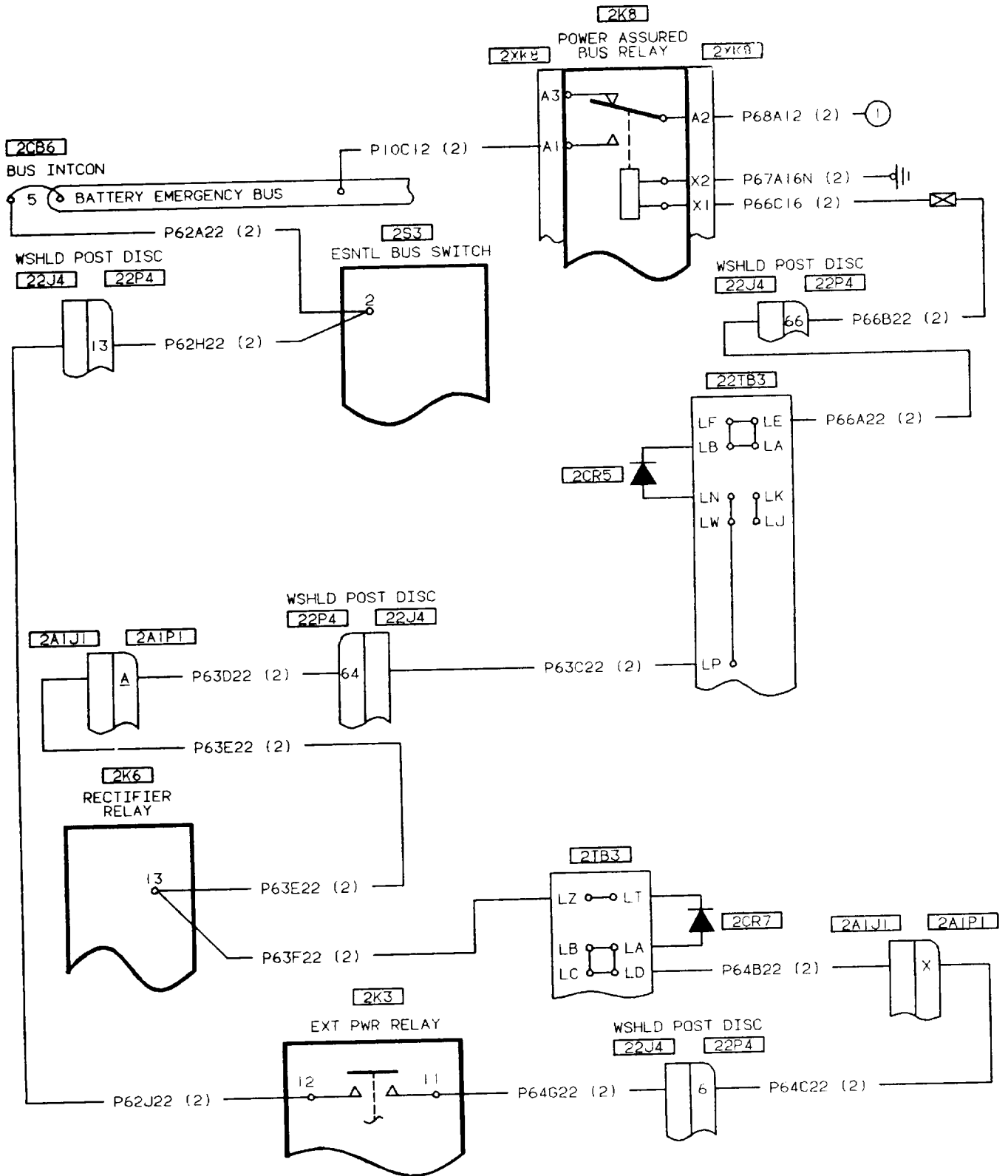
45. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (DC EXTERNAL POWER ON) (CONT)



45. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (DC EXTERNAL POWER ON) (CONT)

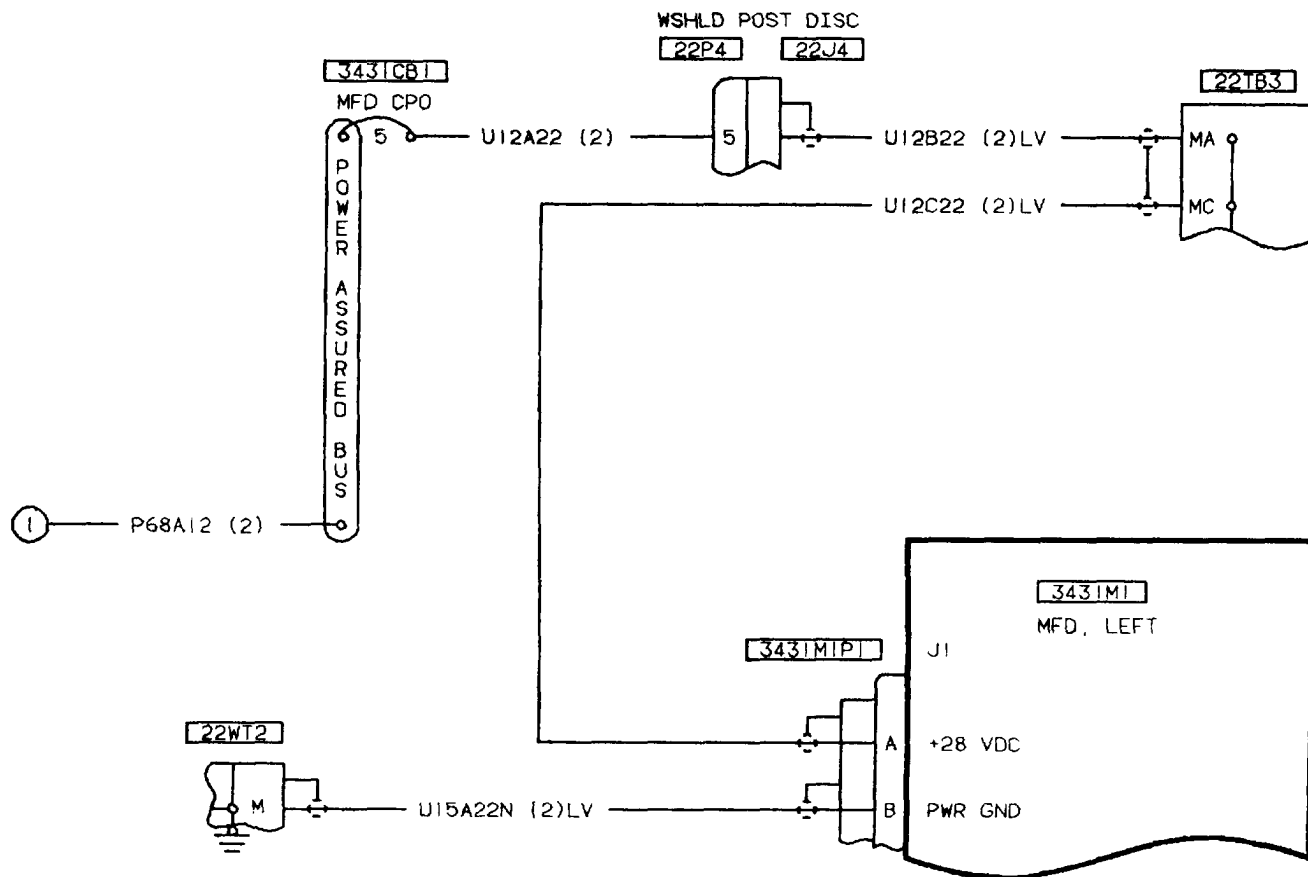


45. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (DC EXTERNAL POWER ON) (CONT)



406475-307-1

45. MFD CPO CIRCUIT BREAKER DOES NOT TURN ON CPO MFD (DC EXTERNAL POWER ON) (CONT)



406475-307-2
H2086

46. MFD (CPO) KEY HAS NO RESPONSE DURING SWITCH CHECK

Turn off external dc electrical power (Task 9-3-33).

Check the following wires for continuity from left MFD to keyboard.

<u>FROM</u>	<u>TO</u>
3431M1P2-1	3431A3P1-5
3431M1P2-2	3431A3P1-6
3431M1P2-3	3431A3P1-7
3431M1P2-4	3431A3P1-8
3431M1P2-5	3431A3P1-9
3431M1P2-6	3431A3P1-10
3431M1P2-7	3431A3P1-11
3431M1P2-8	3431A3P1-12

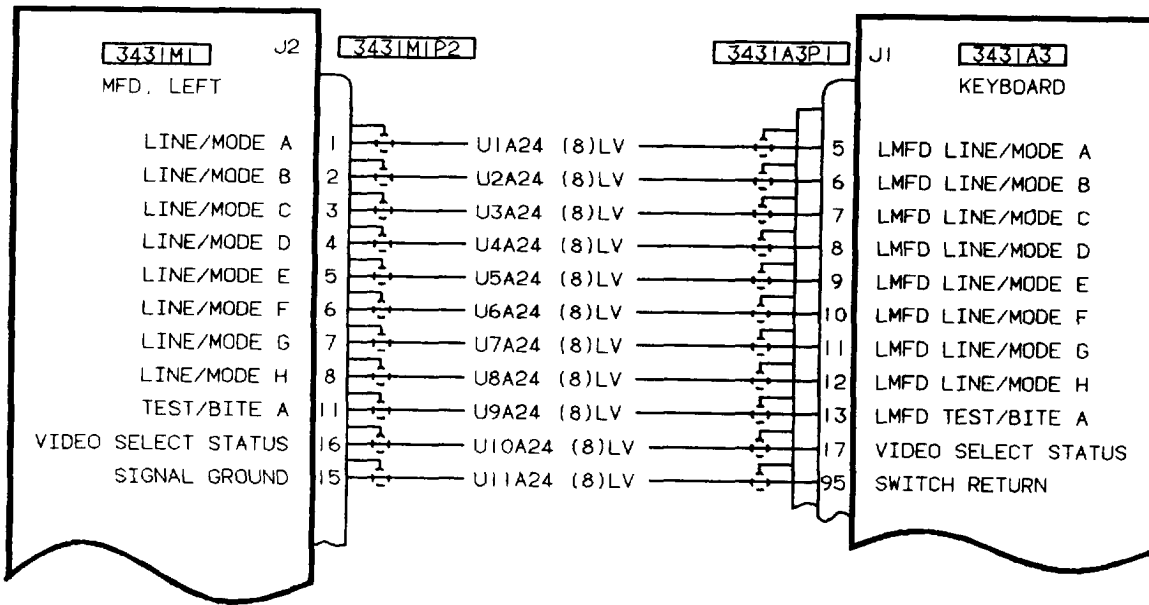
Yes →

NOTE

If more than one MFD key is inoperative, or if MFD key calls up the wrong display, replace keyboard (TM 9-1427-779-20).

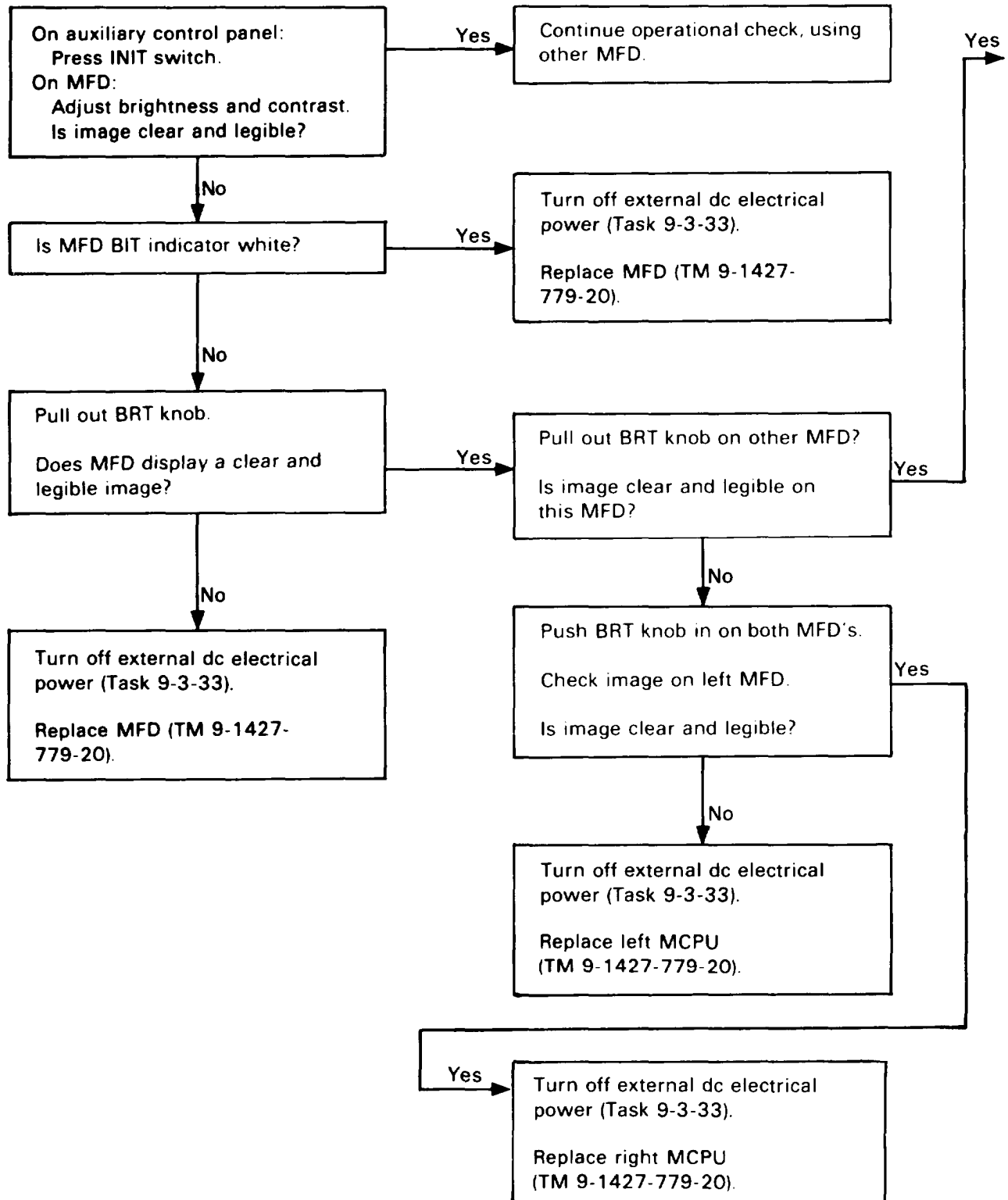
Replace MFD (TM 9-1427-779-20).

46. MFD (CPO) KEY HAS NO RESPONSE DURING SWITCH CHECK (CONT)

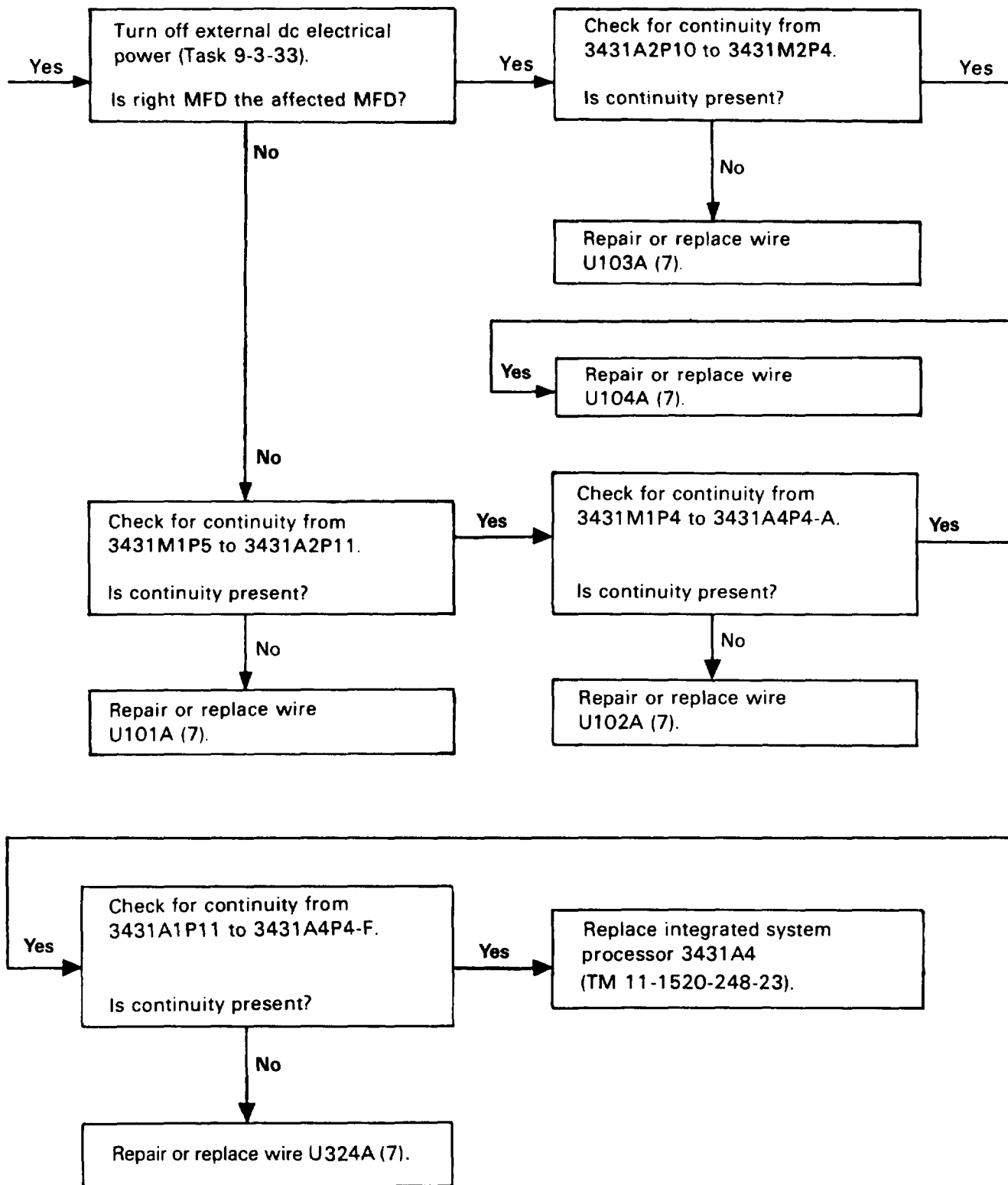


406475-323

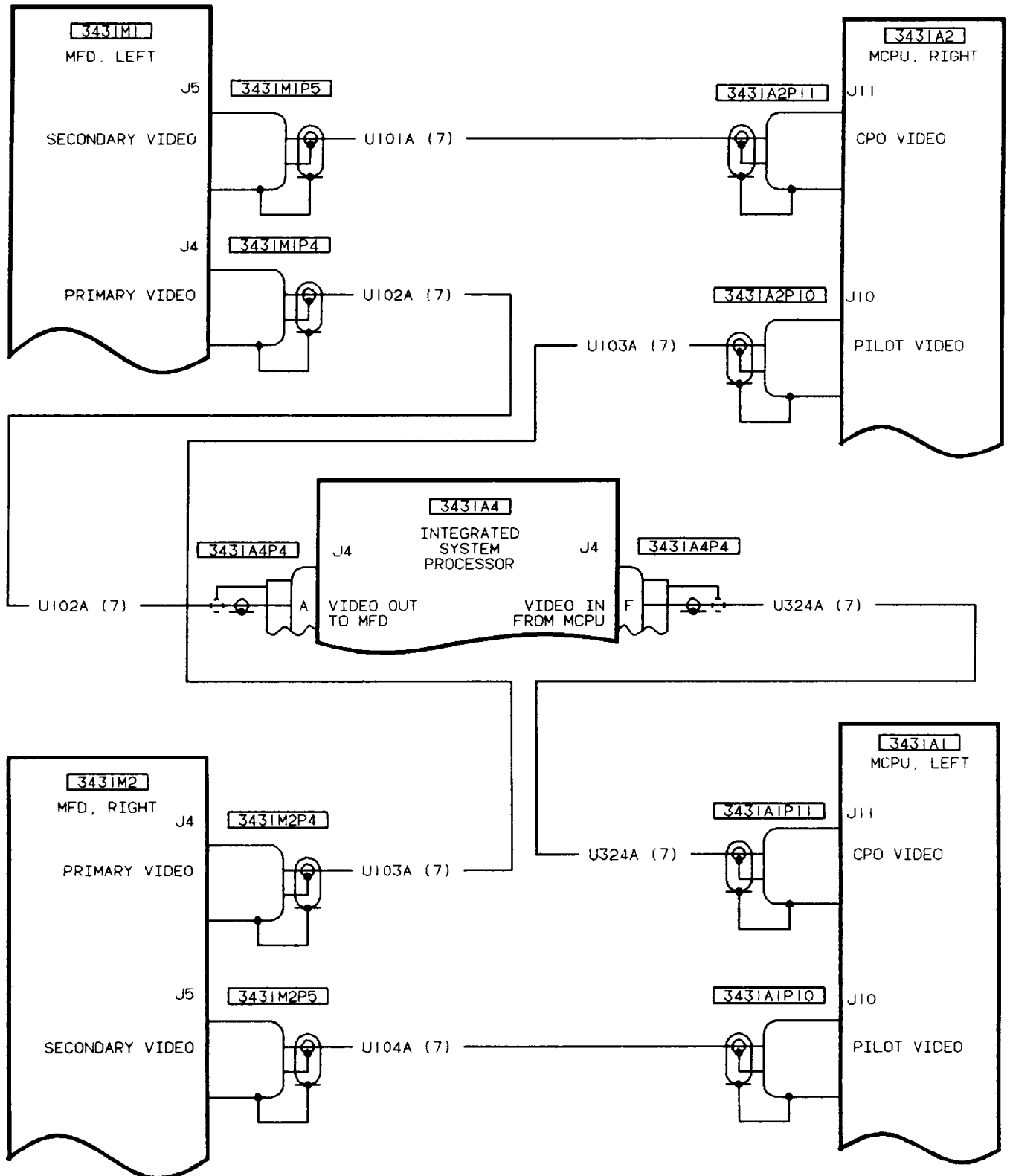
47. MFD DOES NOT DISPLAY INITIAL PAGE ON POWER UP, AND IMAGE IS NOT LEGIBLE AND CLEAR



47. MFD DOES NOT DISPLAY INITIAL PAGE ON POWER UP, AND IMAGE IS NOT LEGIBLE AND CLEAR (CONT)

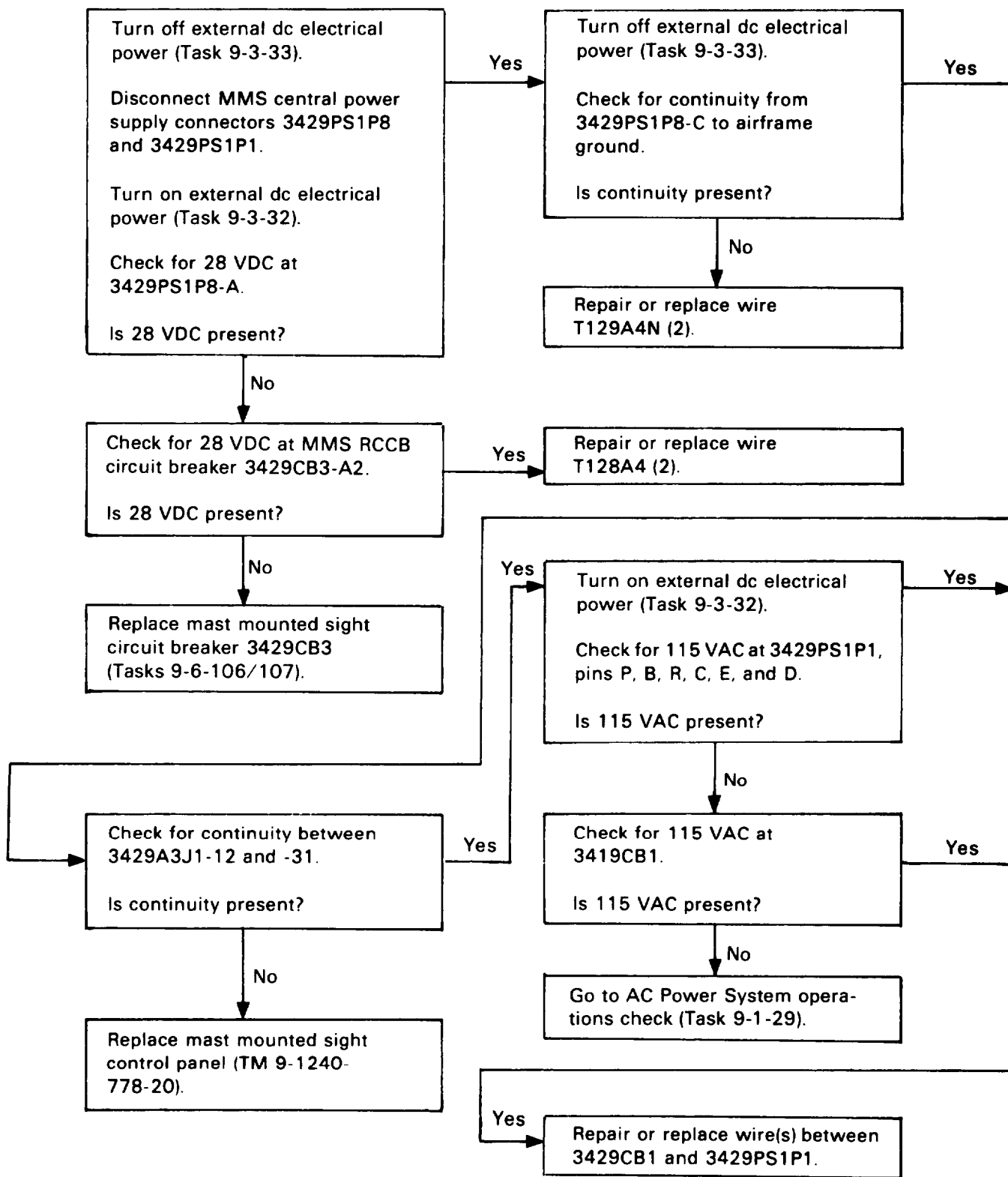


47. MFD DOES NOT DISPLAY INITIAL PAGE ON POWER UP, AND IMAGE IS NOT LEGIBLE AND CLEAR (CONT)

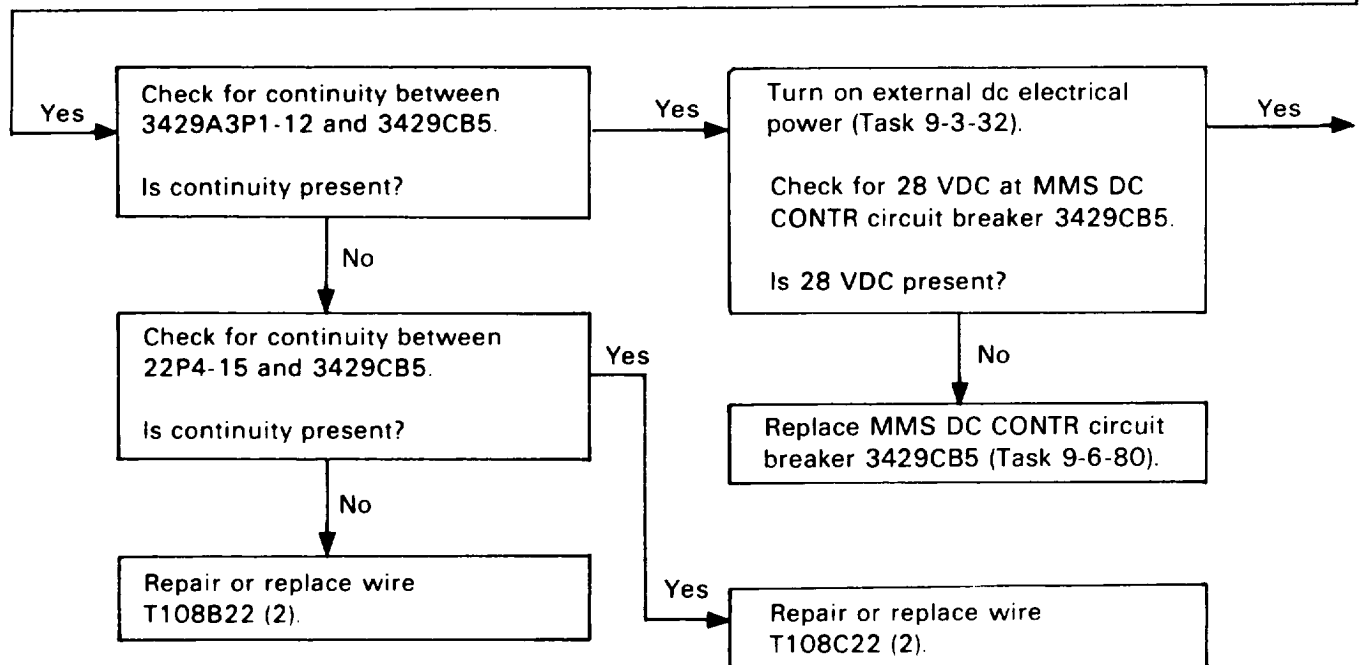
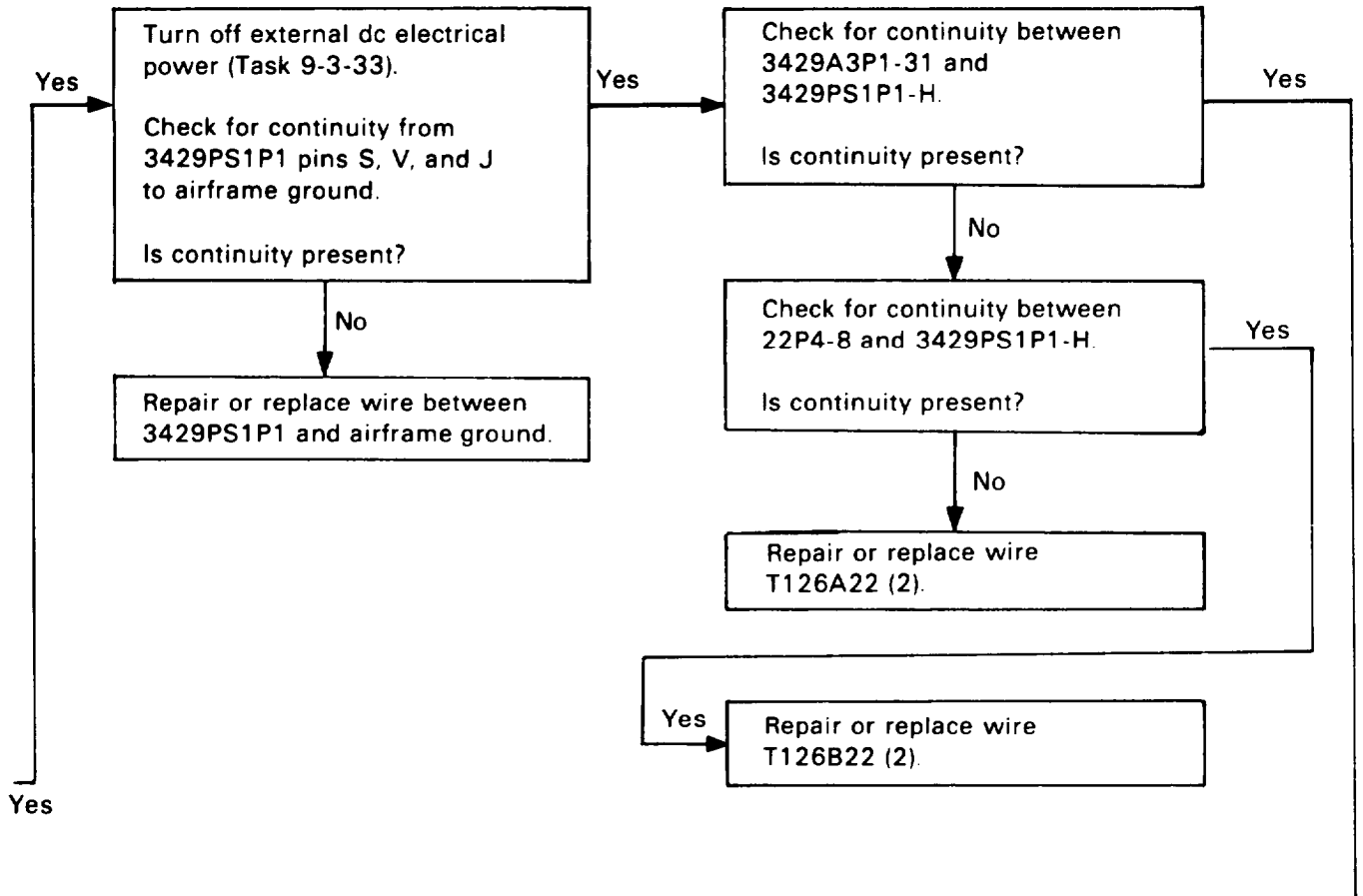


406475-989
H1103

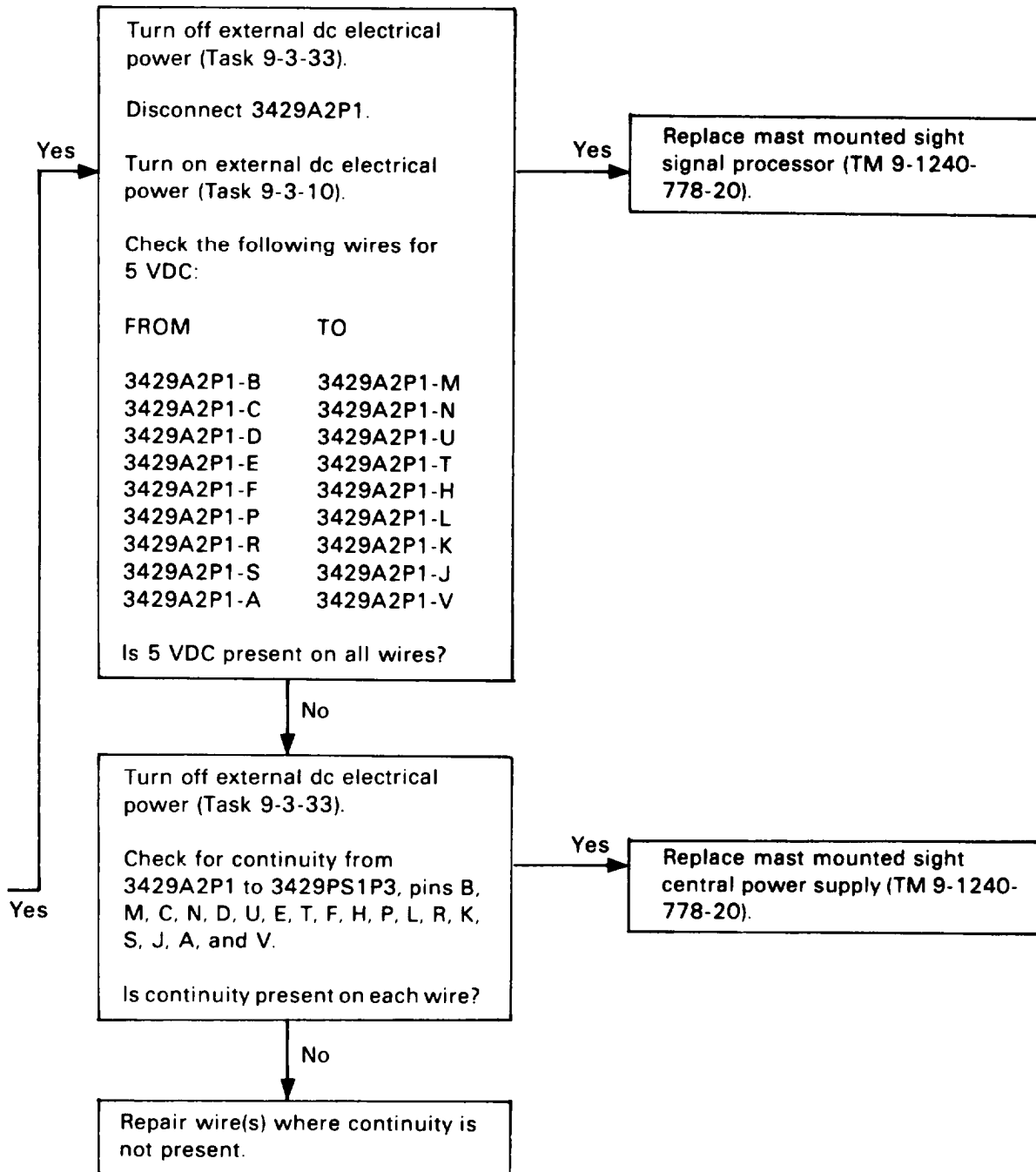
48. MFD INITIAL PAGE DOES NOT DISPLAY MMS ON



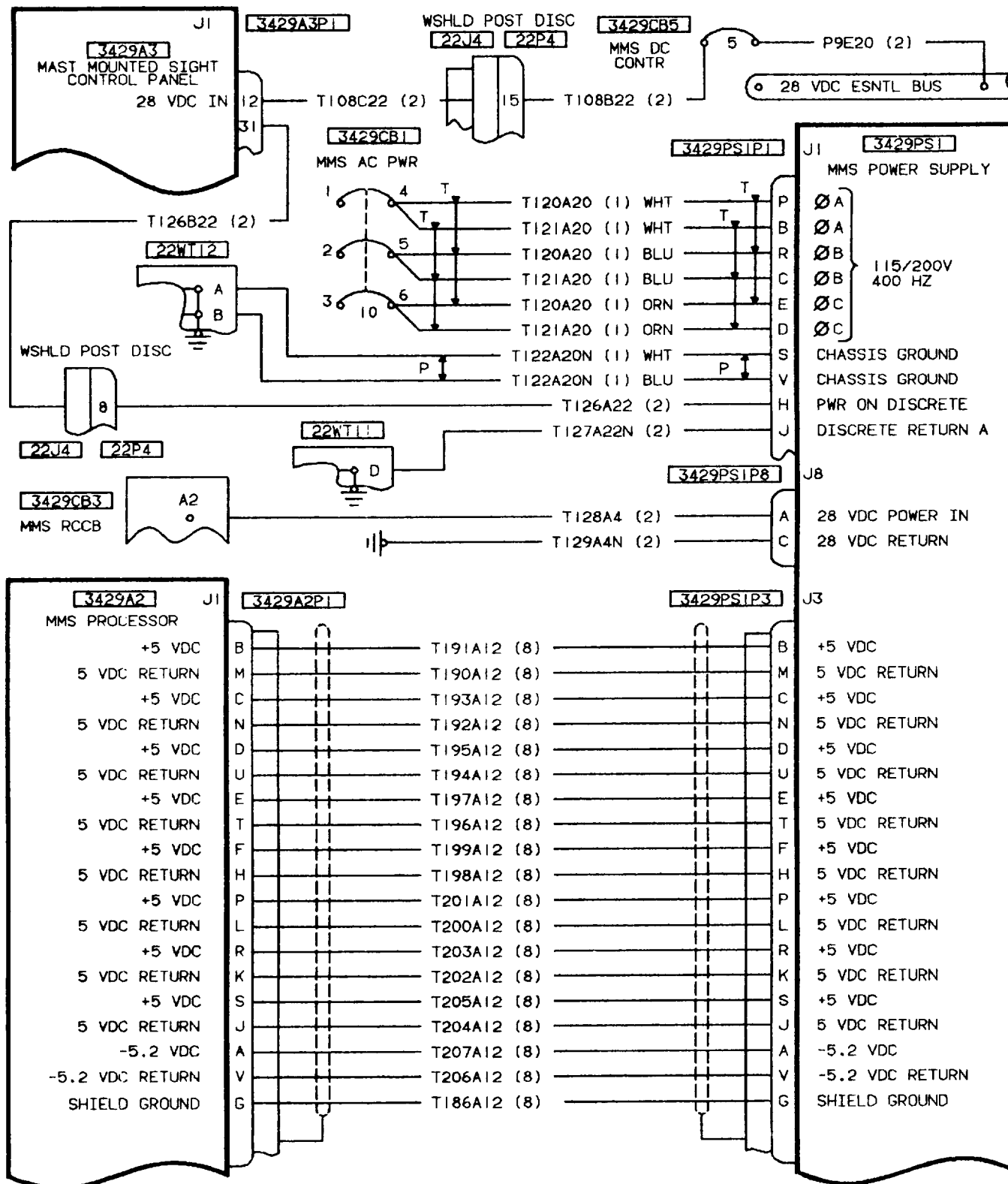
48. MFD INITIAL PAGE DOES NOT DISPLAY MMS ON (CONT)



48. MFD INITIAL PAGE DOES NOT DISPLAY MMS ON (CONT)

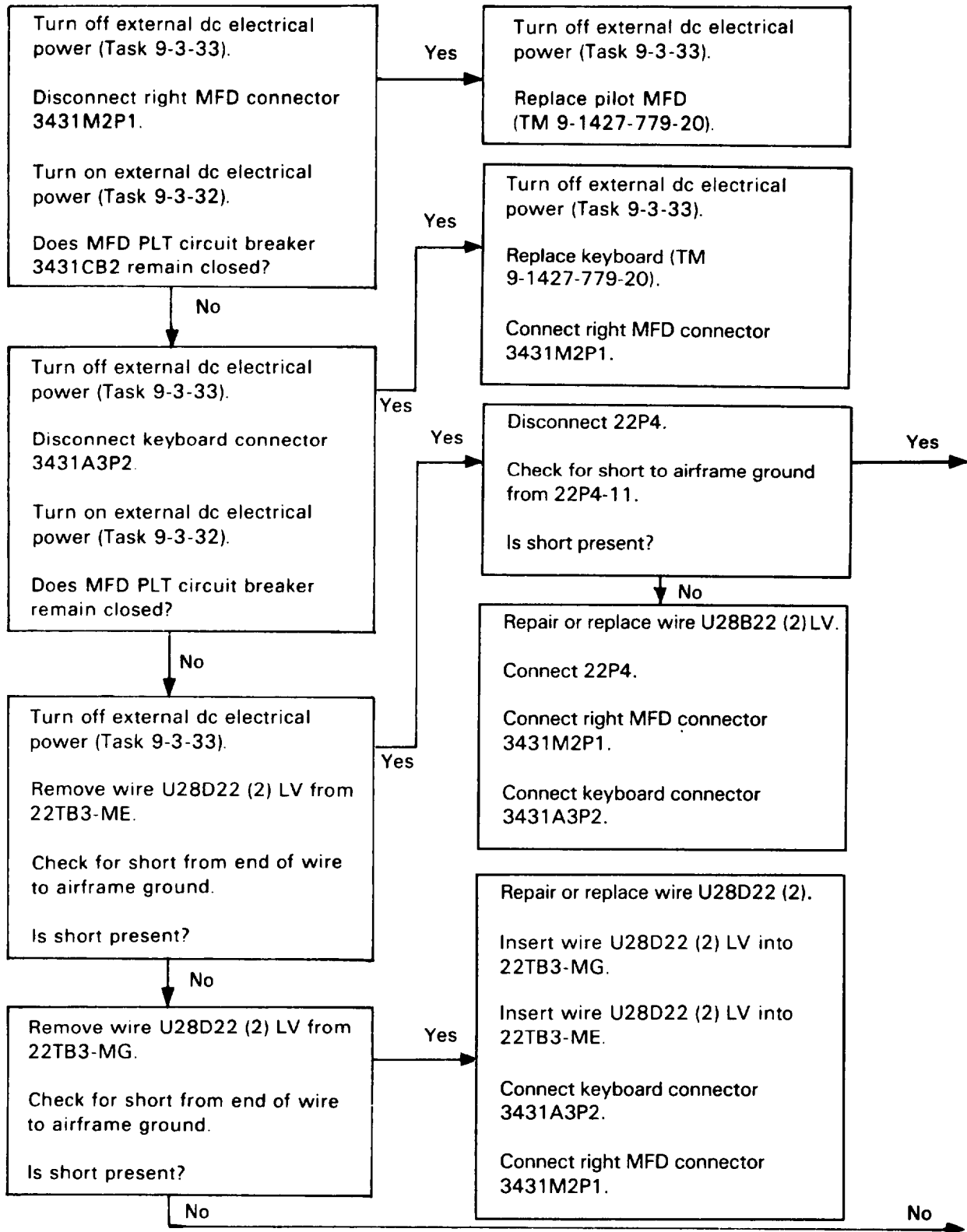


48. MFD INITIAL PAGE DOES NOT DISPLAY MMS ON (CONT)

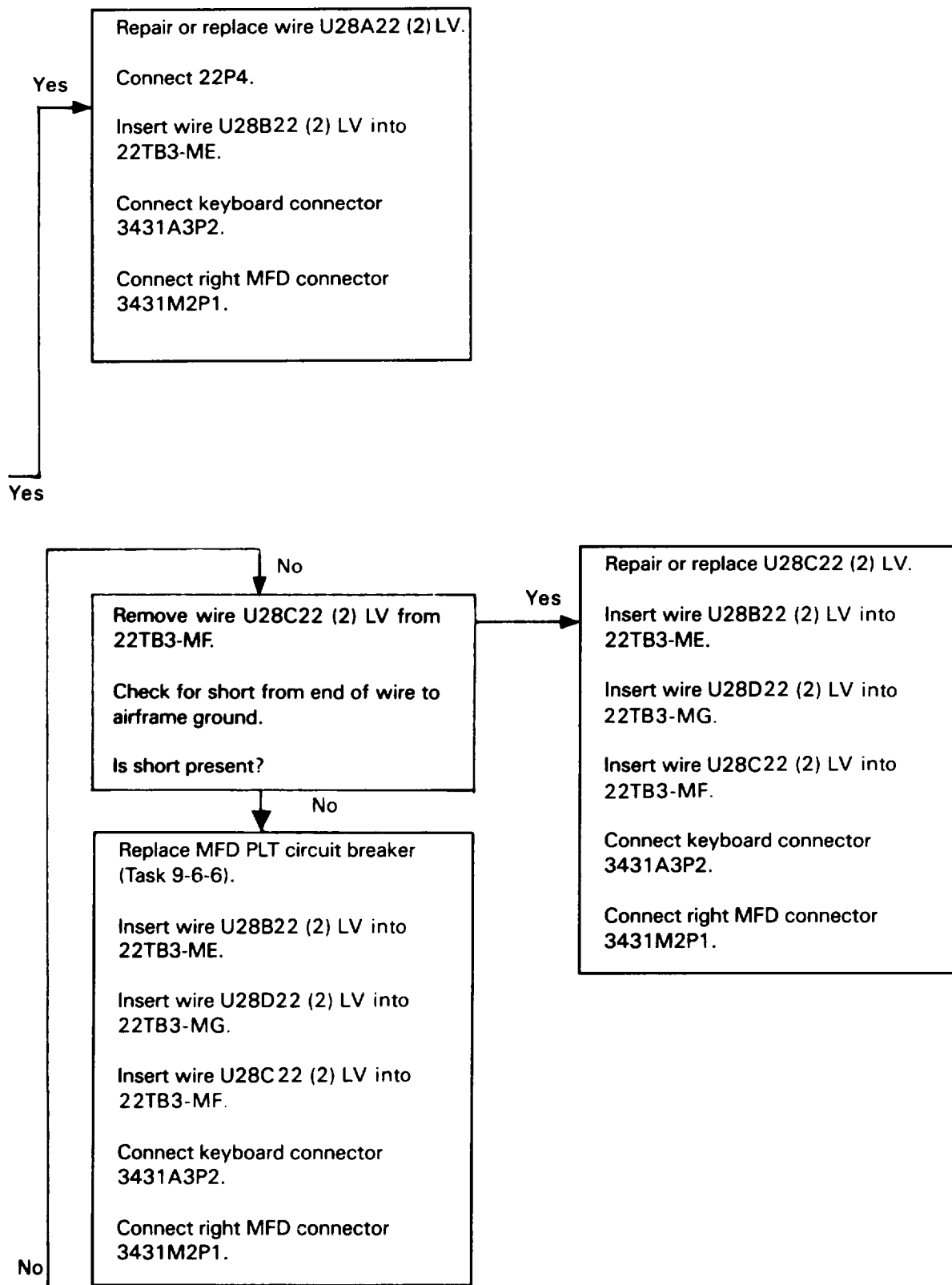


496475-313
H2087

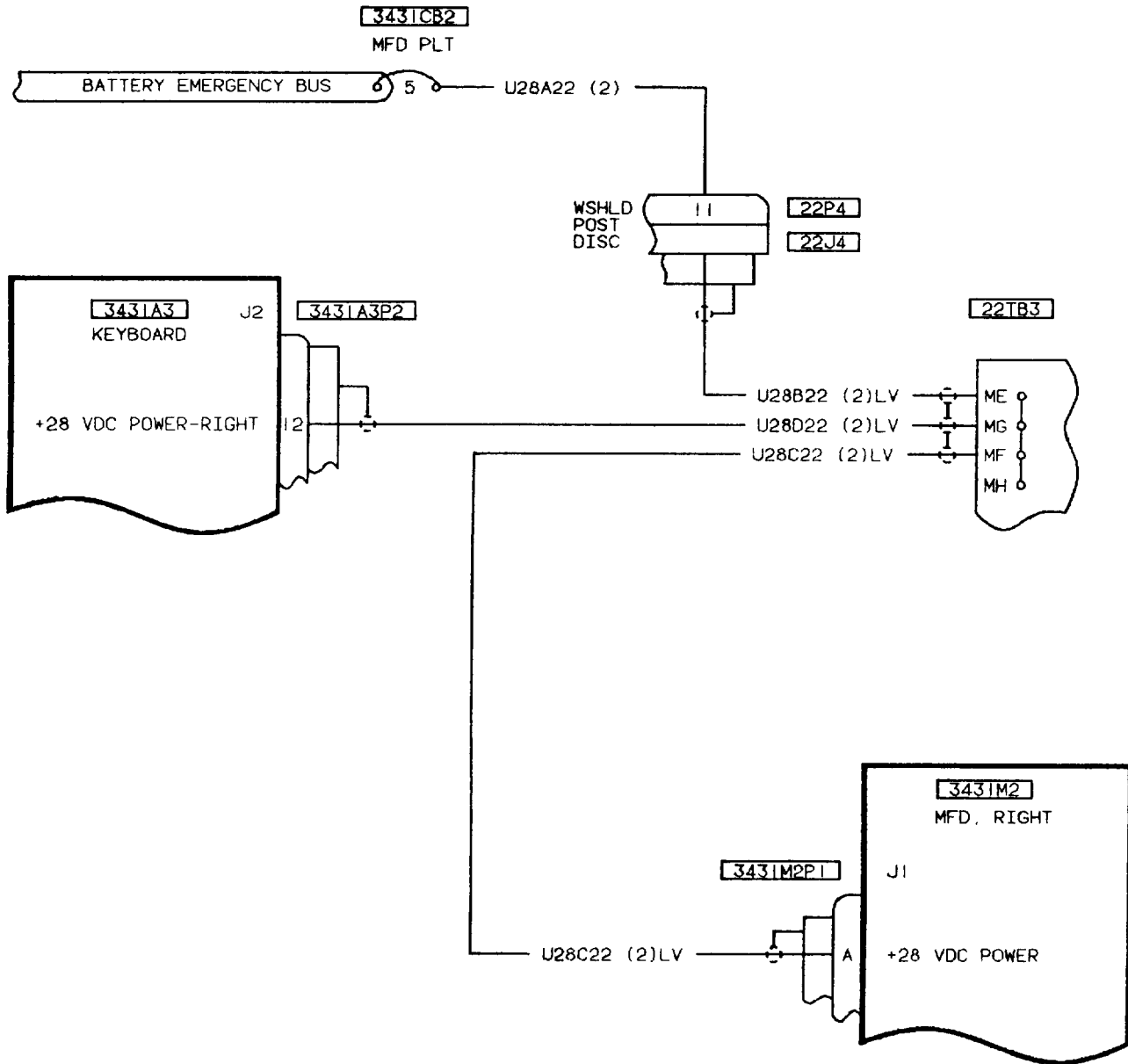
49. MFD PLT CIRCUIT BREAKER WILL NOT STAY CLOSED



49. MFD PLT CIRCUIT BREAKER WILL NOT STAY CLOSED (CONT)

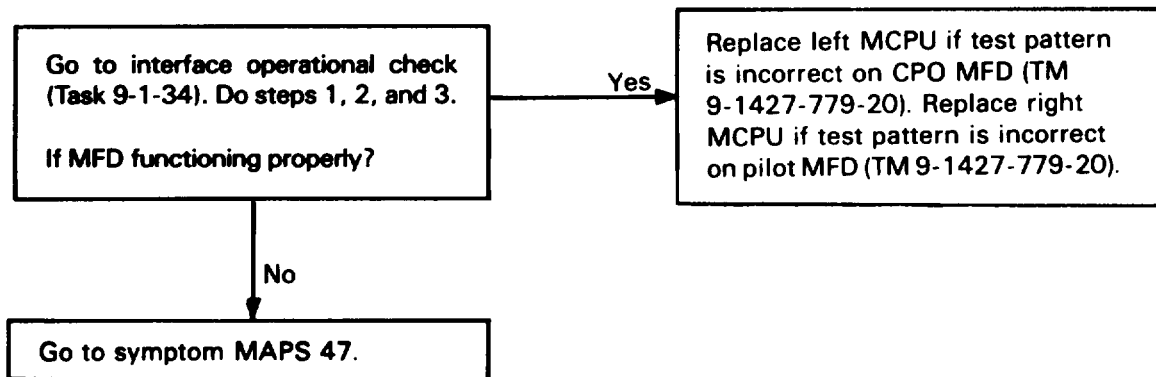


49. MFD PLT CIRCUIT BREAKER WILL NOT STAY CLOSED (CONT)



406475-315
H2087

50. MFD TEST PATTERN DISPLAY ABSENT OR INCORRECT

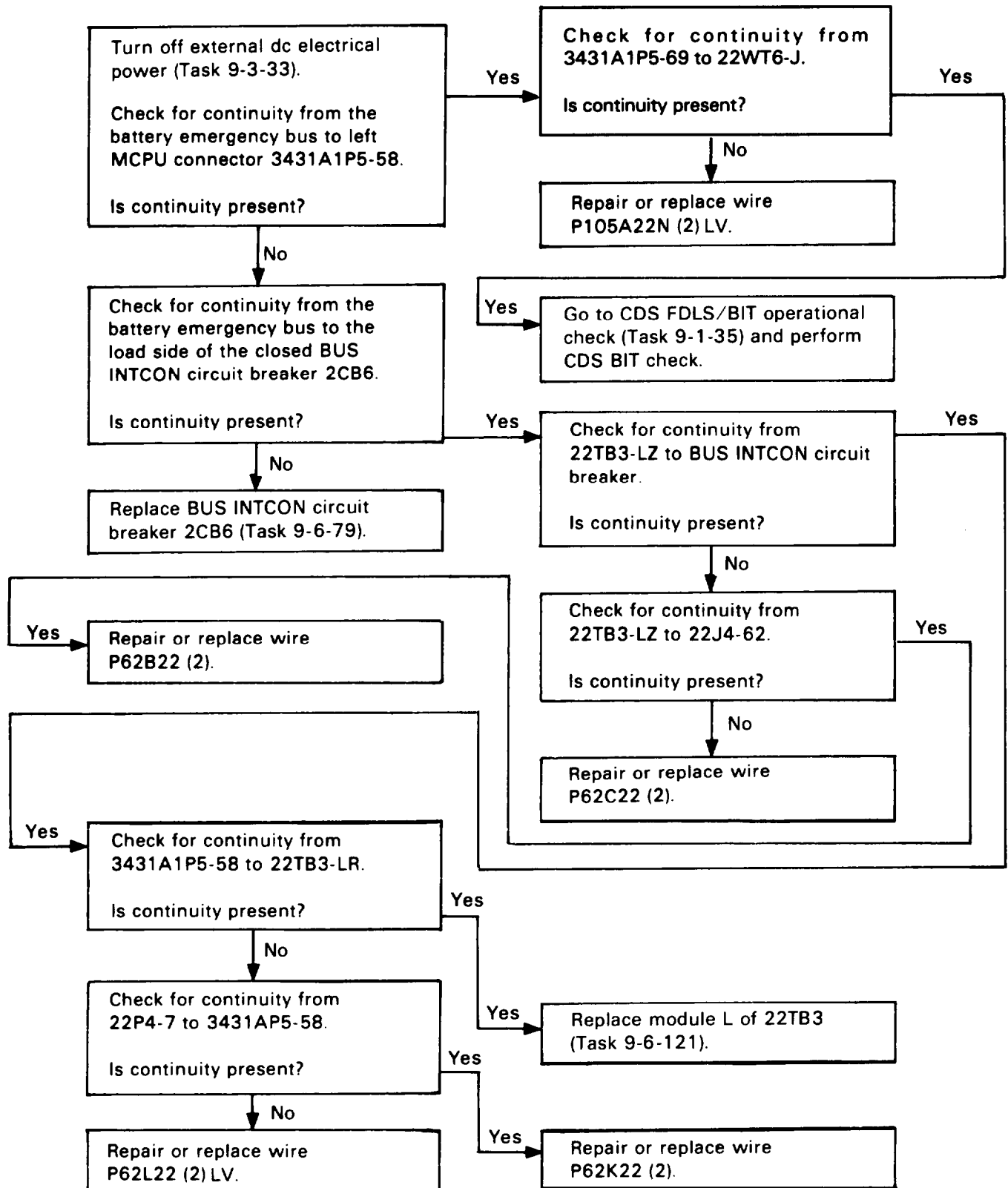


51. MFD SWITCH CHECK FUNCTION CANNOT BE DISABLED

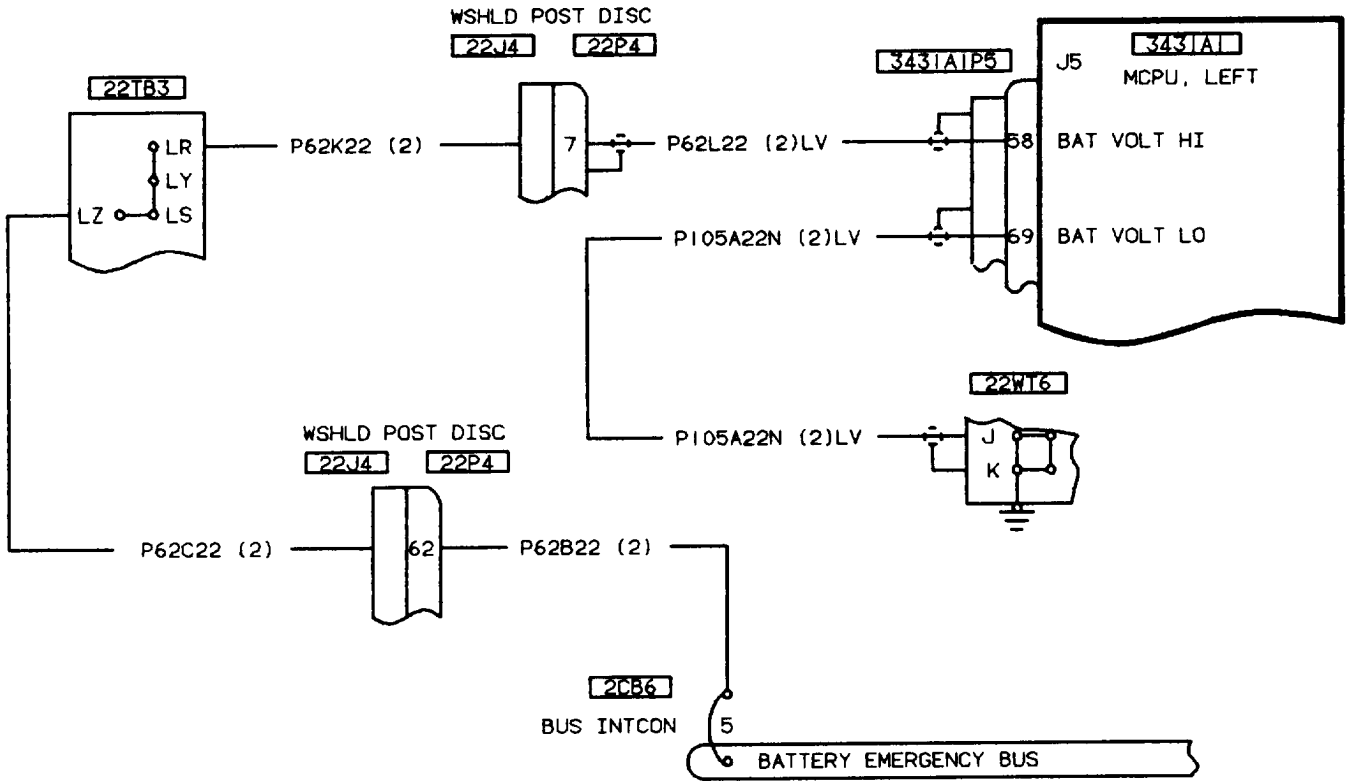
Turn off external dc electrical
power (Task 9-3-33).

Replace MFD (TM 9-1427-
779-20).

52. MPD DOES NOT DISPLAY BATTERY 2 VOLTAGE (BATT 2 SWITCH SET TO BATT 2)

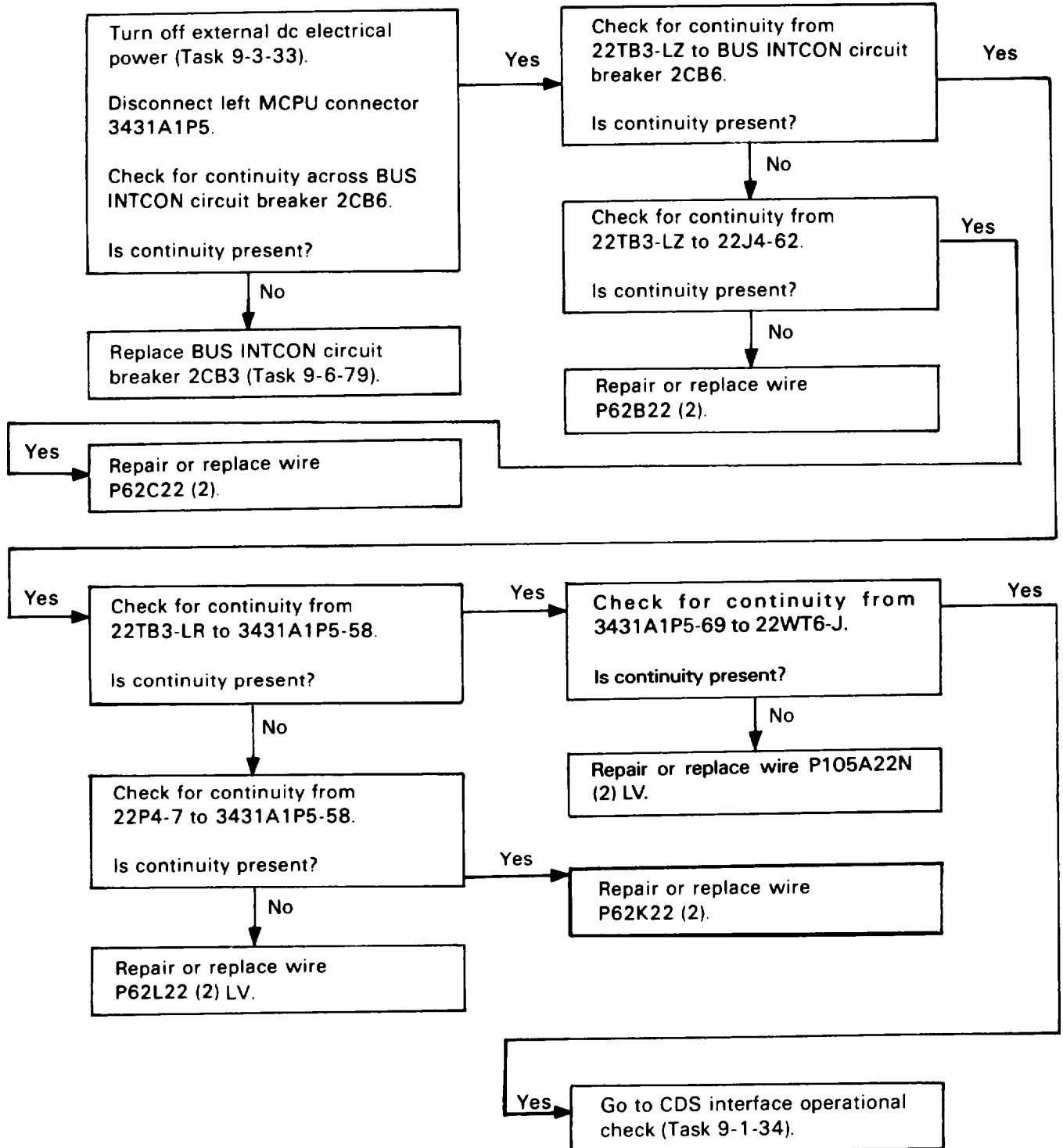


52. MPD DOES NOT DISPLAY BATTERY 2 VOLTAGE (BATT 2 SWITCH SET TO BATT 2) (CONT)

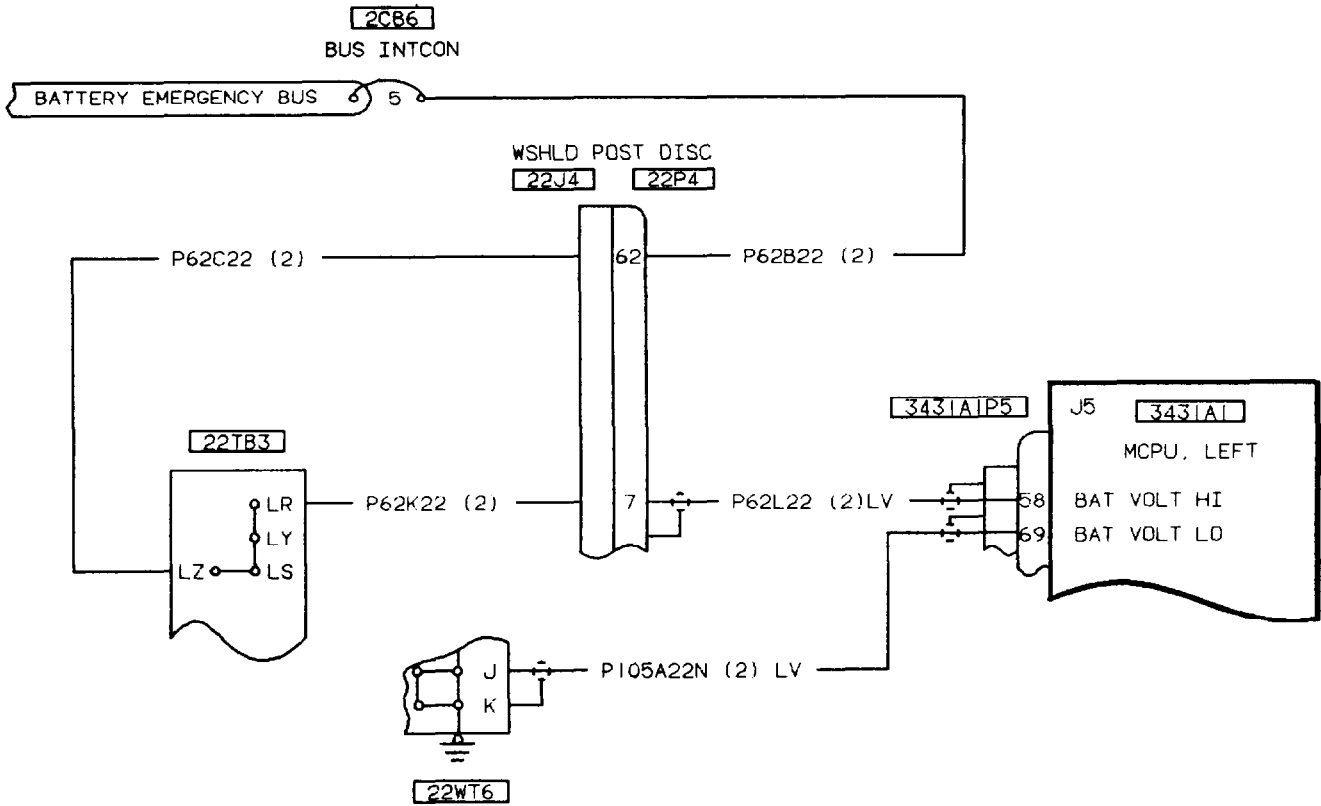


406475-334

53. MPD DOES NOT DISPLAY BATTERY 1 VOLTAGE (BATT 1 SWITCH SET TO BATT 1)

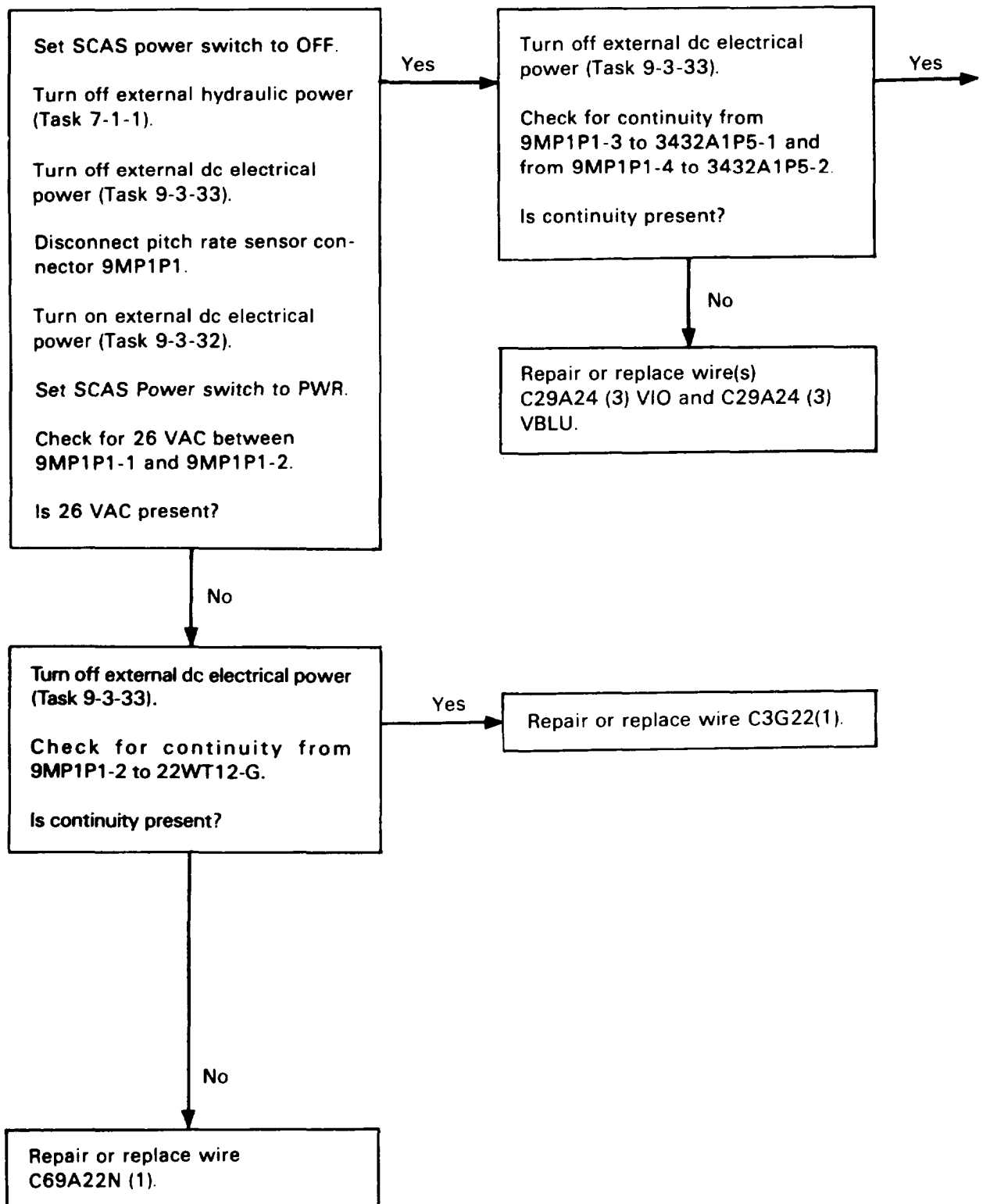


53. MPD DOES NOT DISPLAY BATTERY 1 VOLTAGE (BATT 1 SWITCH SET TO BATT 1) (CONT)

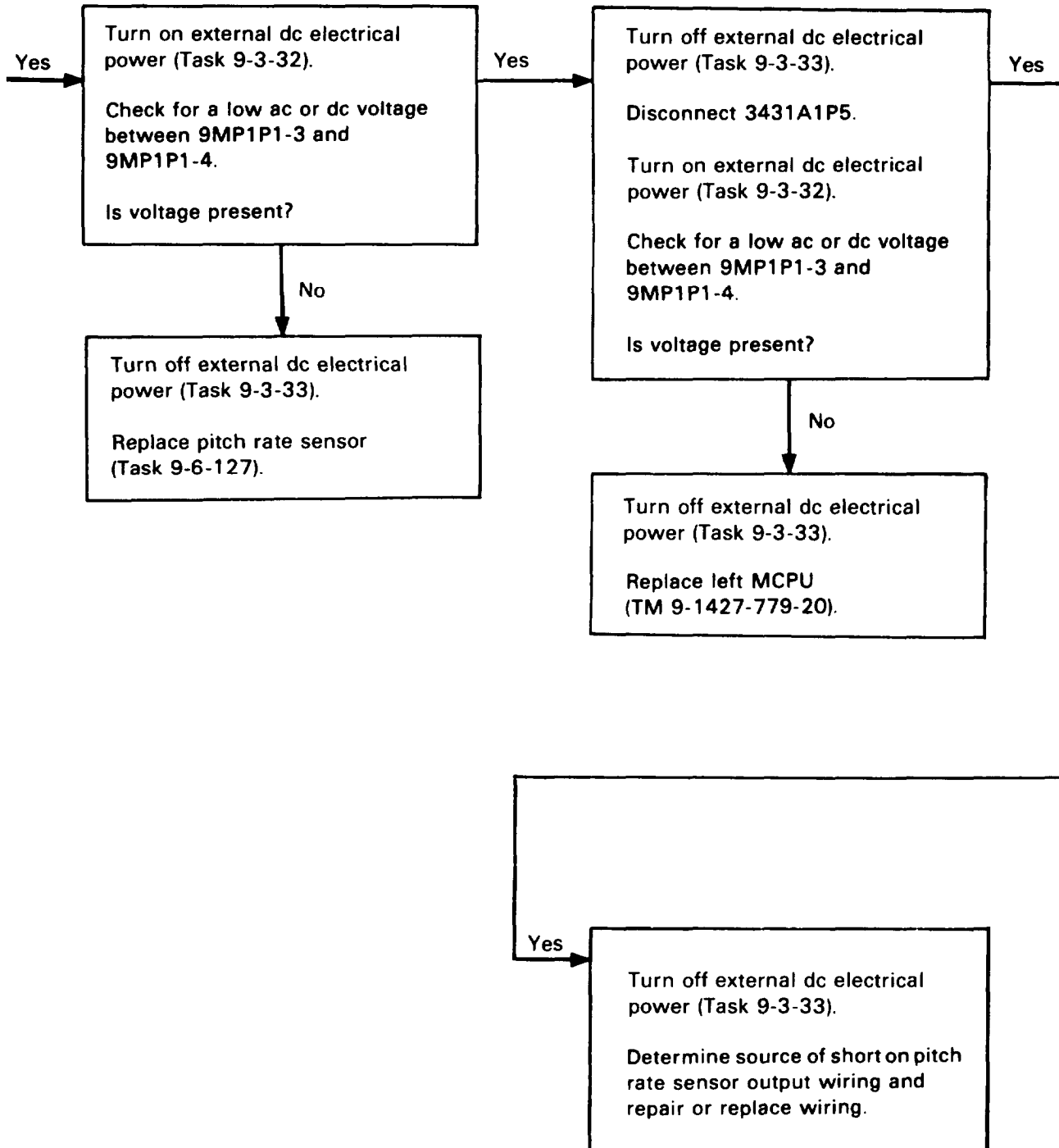


406475-327

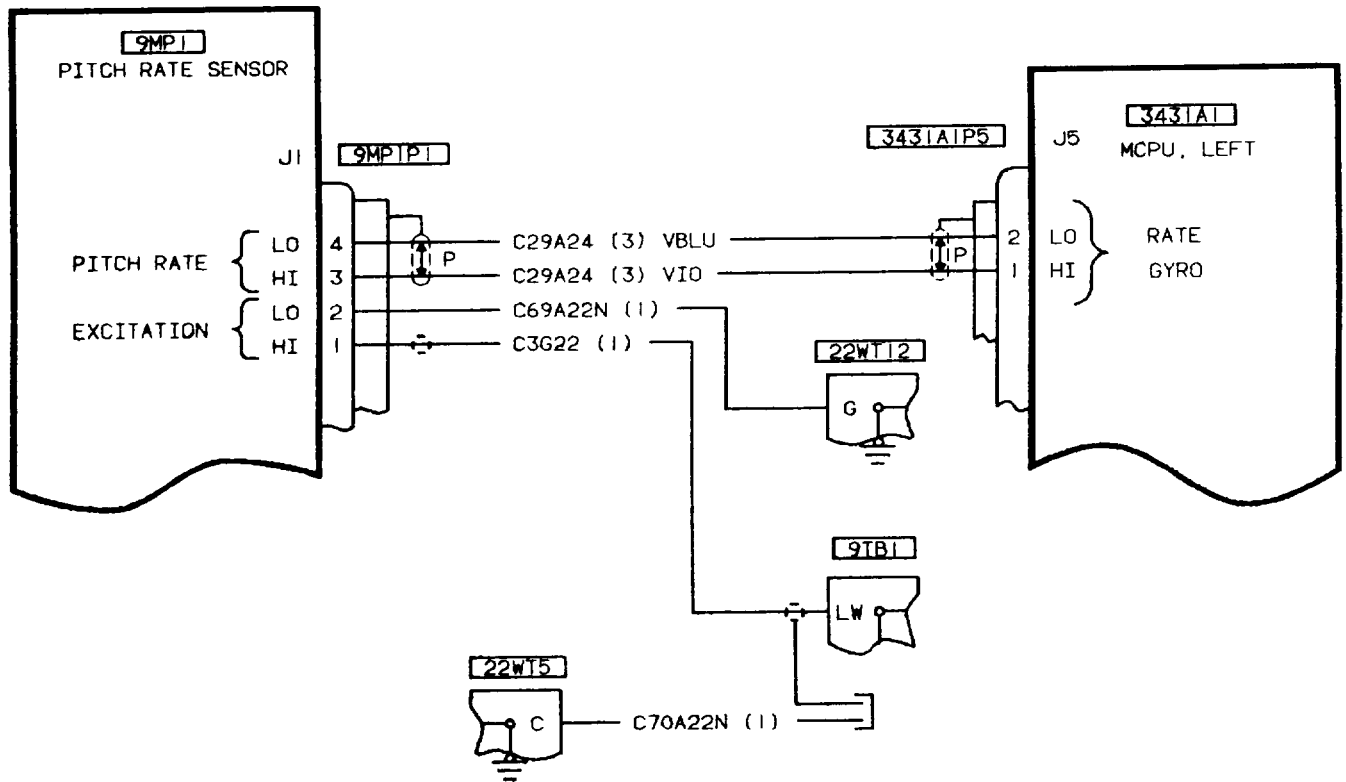
54. PITCH RATE SENSOR FAILURE CODE 21 IS DISPLAYED ON MD



54. PITCH RATE SENSOR FAILURE CODE 21 IS DISPLAYED ON MFD (CONT)

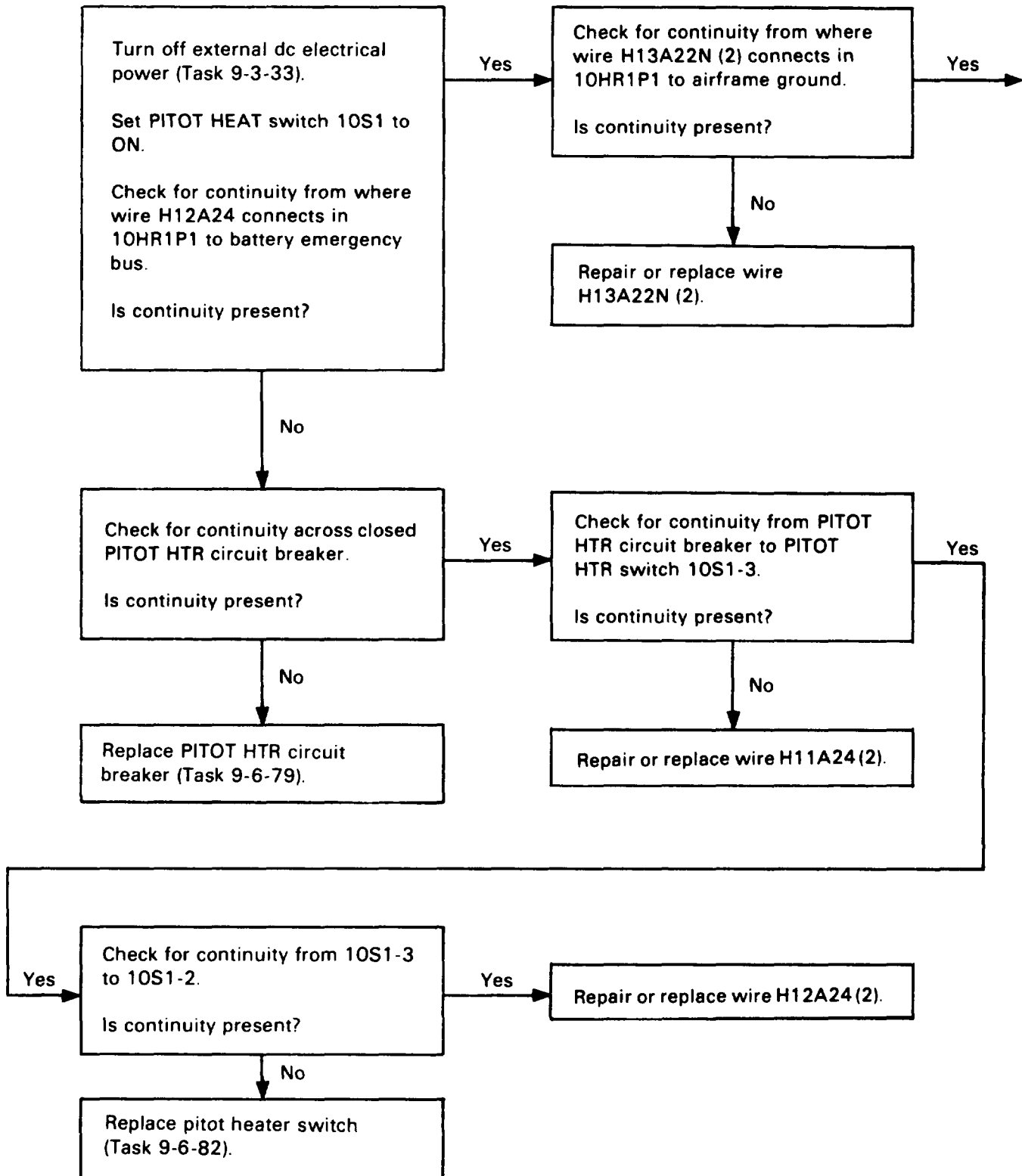


54. PITCH RATE SENSOR FAILURE CODE 21 IS DISPLAYED ON MFD (CONT)



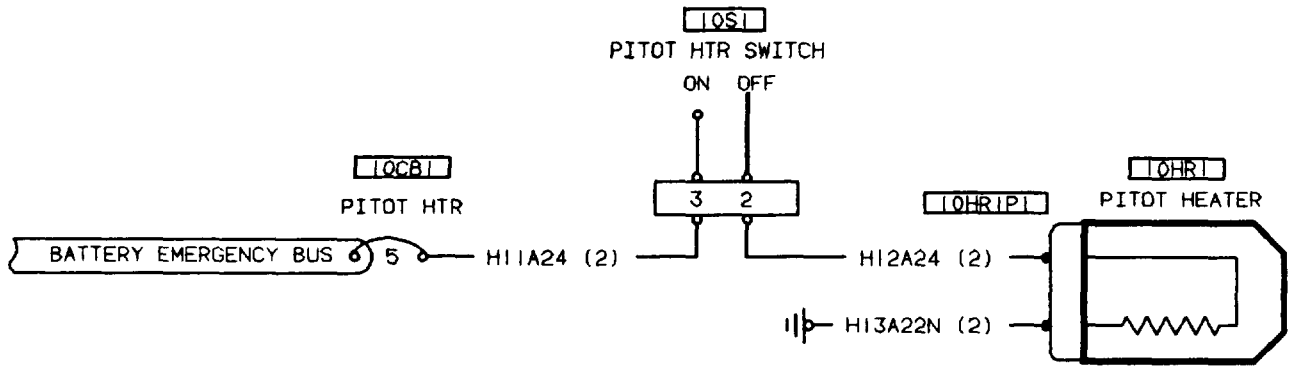
406475-308
H2086

55. PITOT TUBE WILL NOT HEAT



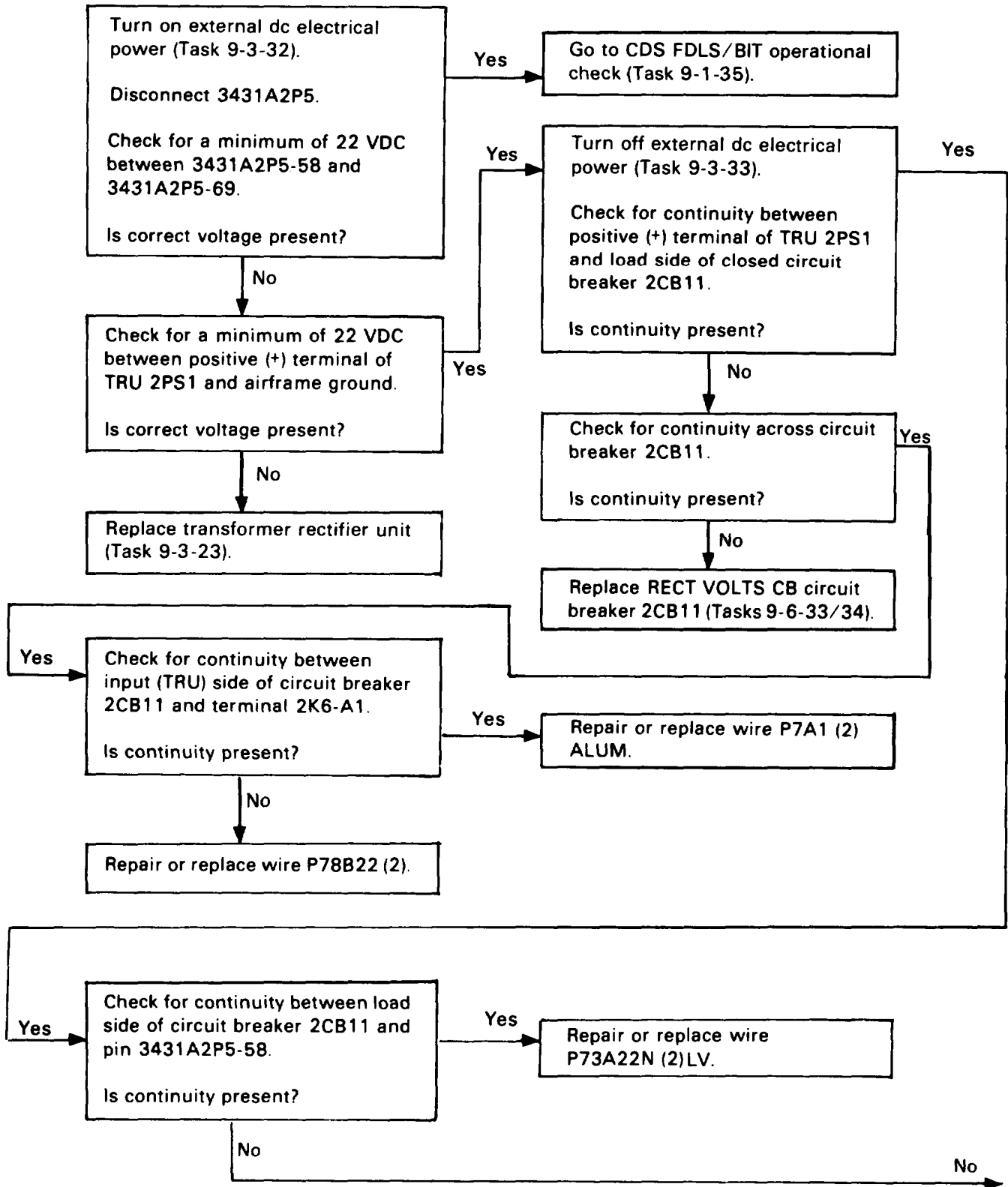
55. PITOT TUBE WILL NOT HEAT (CONT)

Yes → **Replace pitot heater 10HR1 (Task 8-3-11).**

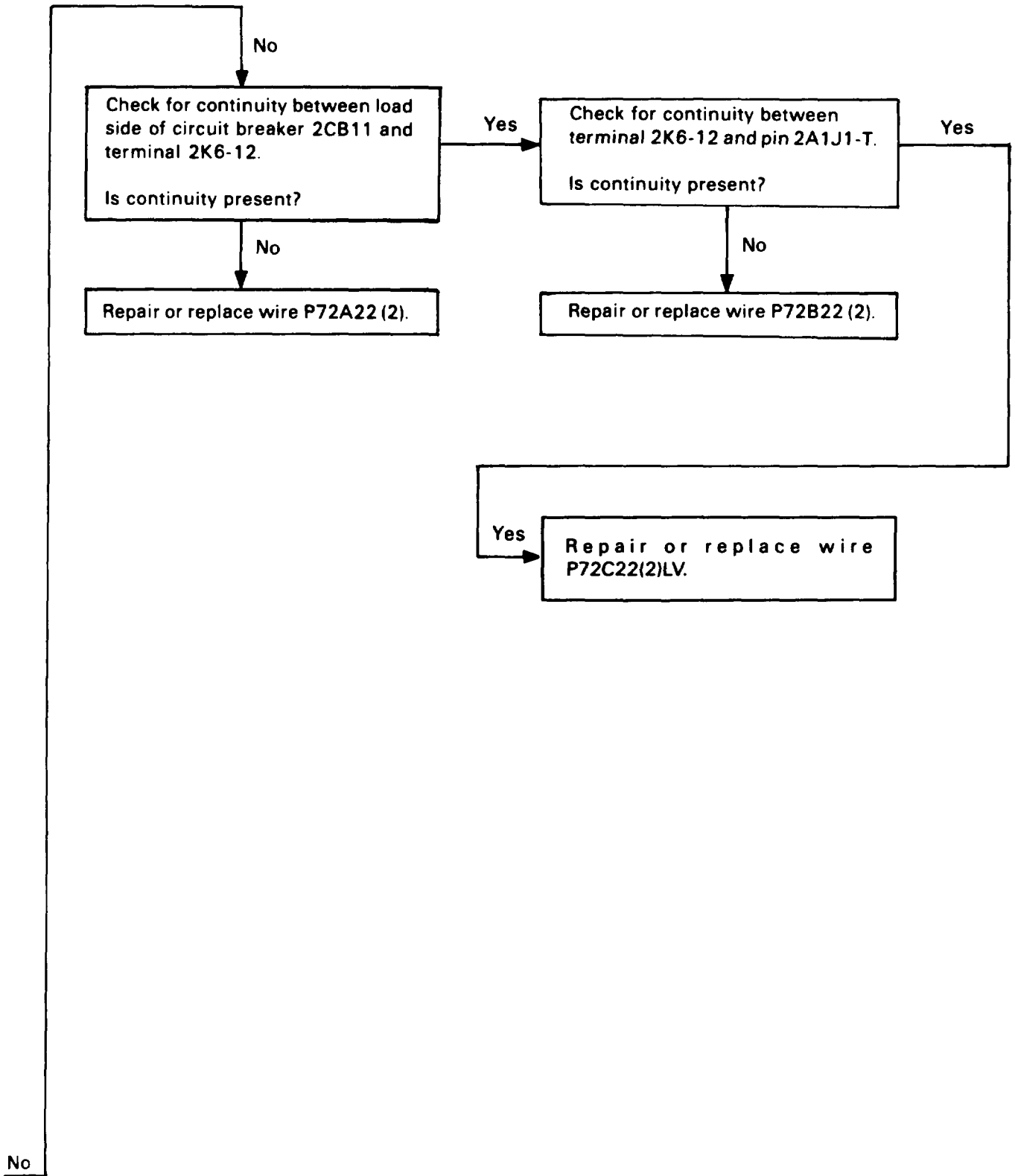


406475-396

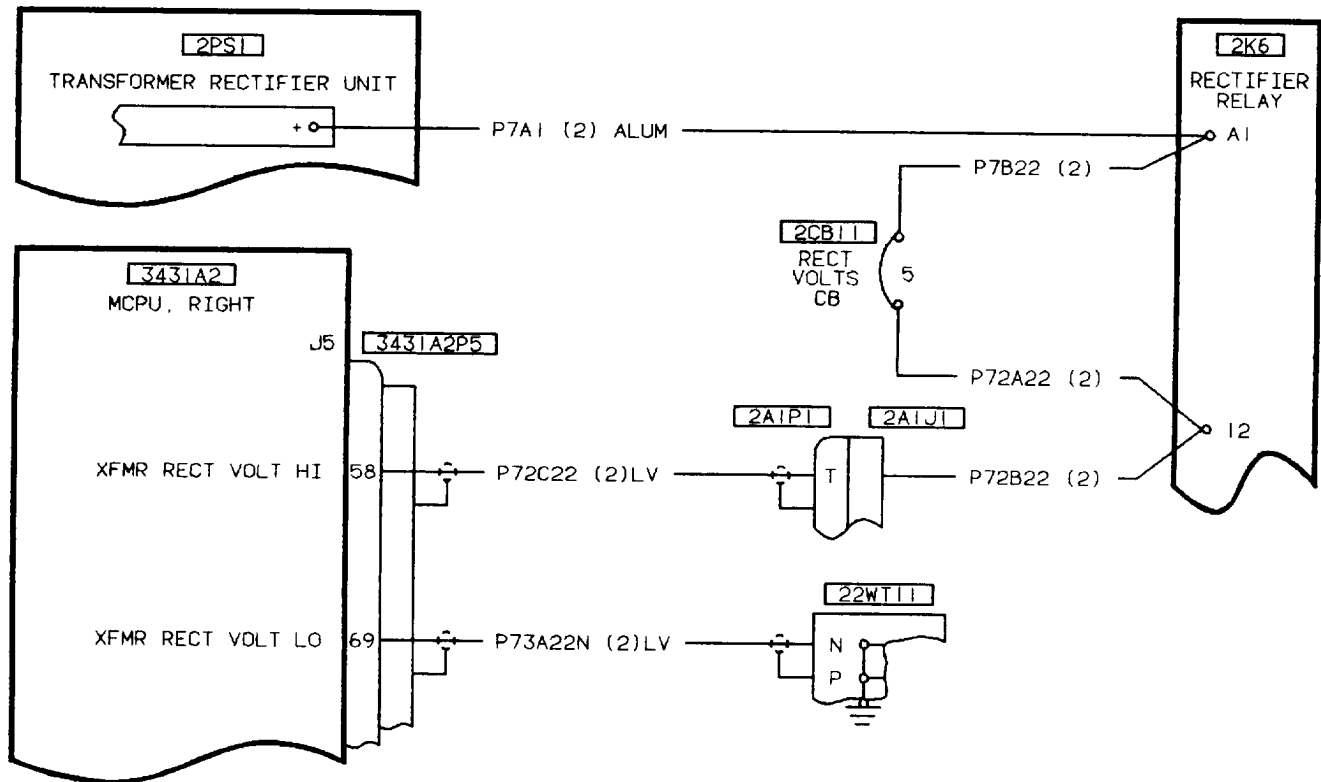
56. RECT FAIL CAUTION MESSAGE NOT DISPLAYED ON MFD (RECT CIRCUIT BREAKER OPEN AND AC AND DC EXTERNAL POWER APPLIED)



56. RECT FAIL CAUTION MESSAGE NOT DISPLAYED ON MFD (RECT CIRCUIT BREAKER OPEN AND AC AND DC EXTERNAL POWER APPLIED) (CONT)

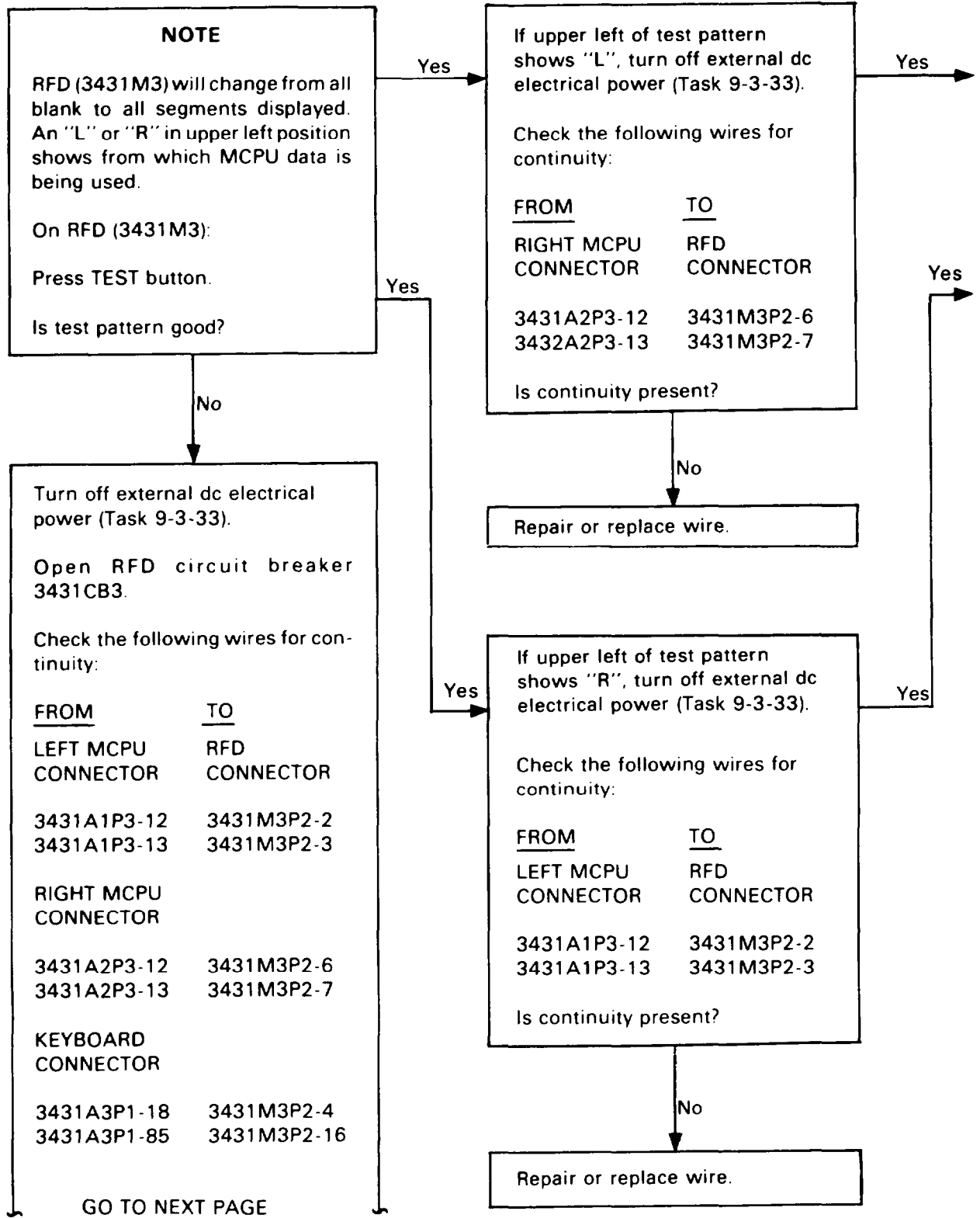


56. RECT FAIL CAUTION MESSAGE NOT DISPLAYED ON MFD (RECT CIRCUIT BREAKER OPEN AND AC AND DC EXTERNAL POWER APPLIED) (CONT)



406475-370

57. RFD TEST PATTERN ABSENT IN DISPLAY CHECK



57. RFD TEST PATTERN ABSENT IN DISPLAY CHECK (CONT)

Yes → Replace right MCPU
(TM 9-1427-779-20).

Yes → Replace left MCPU
(TM 9-1427-779-20).

CONTINUED FROM PREVIOUS PAGE

FROM ↓ TO

KEYBOARD
CONNECTOR (Cont)

3431A3P1-66	3431M3P2-8
3431A3P1-87	3431M3P2-18
3431A3P4-34	3431M3P2-5
3431A3P4-94	3431M3P2-17

Yes →

Replace RFD
(TM 9-1427-779-20).

RFD
CIRCUIT
BREAKER CONNECTOR

3431CB3 22P4-18

CONNECTOR RFD
CONNECTOR

22J4-18 3431M3P1-4

AND MODULE

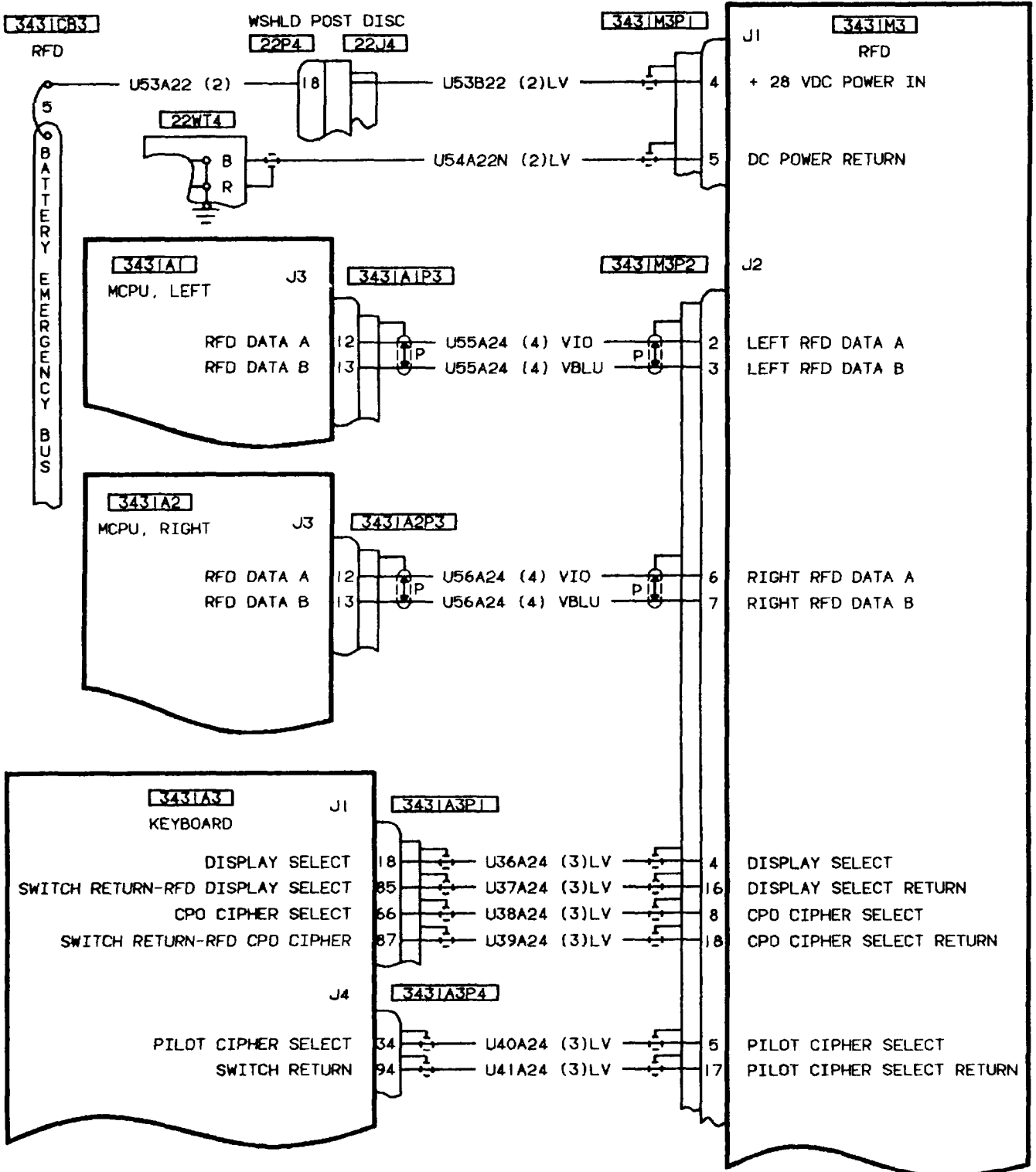
22WT4-B 3431M3P1-5

Is continuity present on each wire?

No ↓

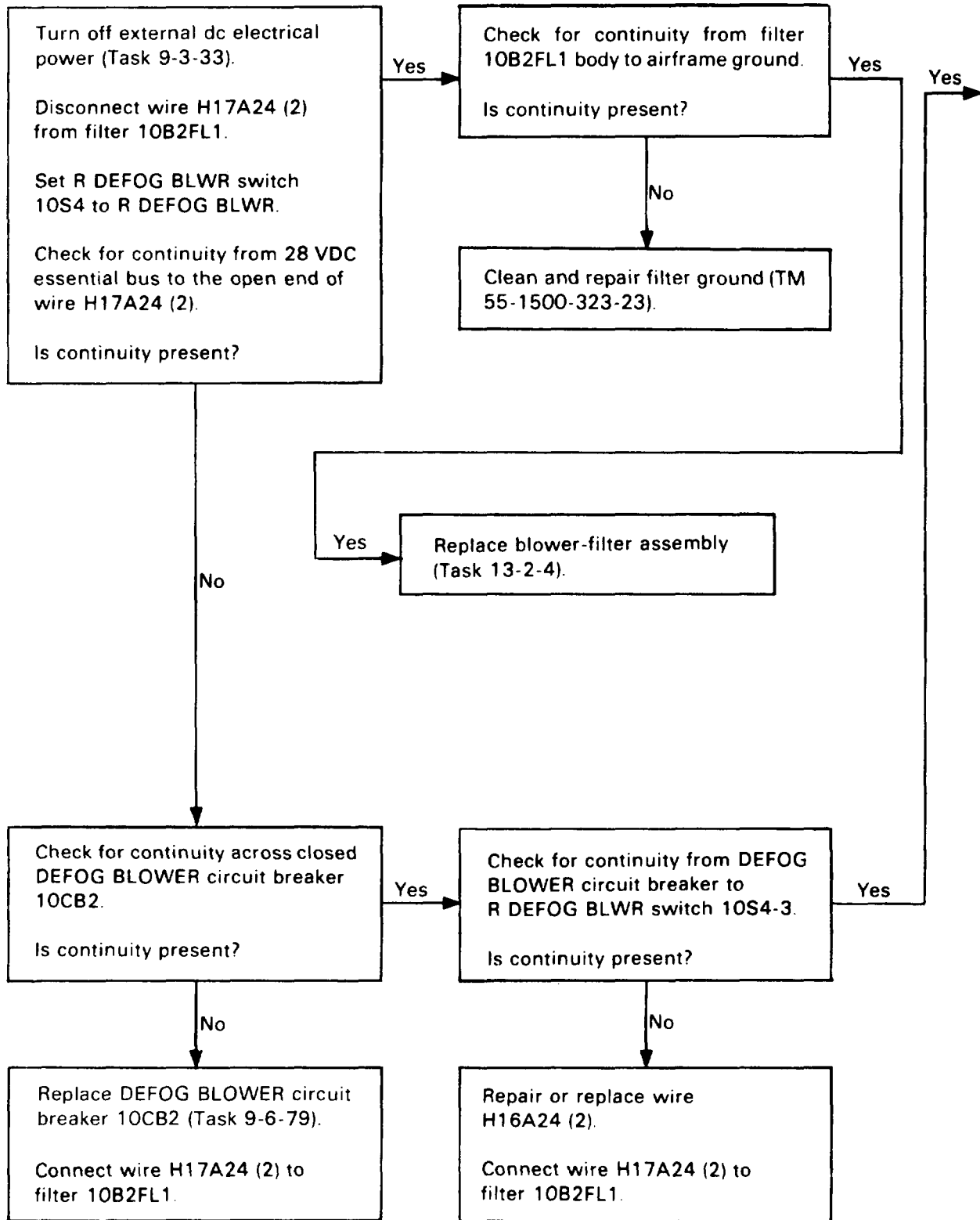
Repair or replace wire.

57. RFD TEST PATTERN ABSENT IN DISPLAY CHECK (CONT)

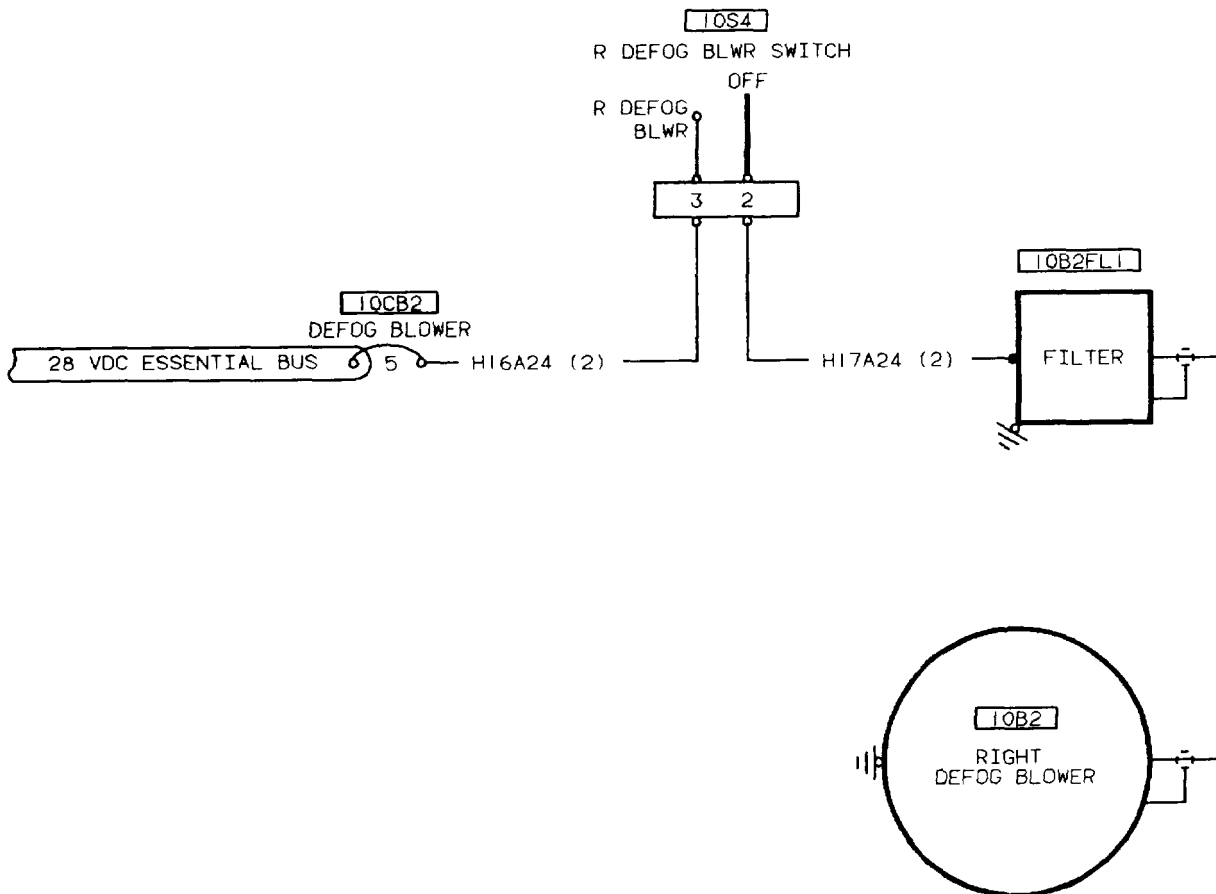
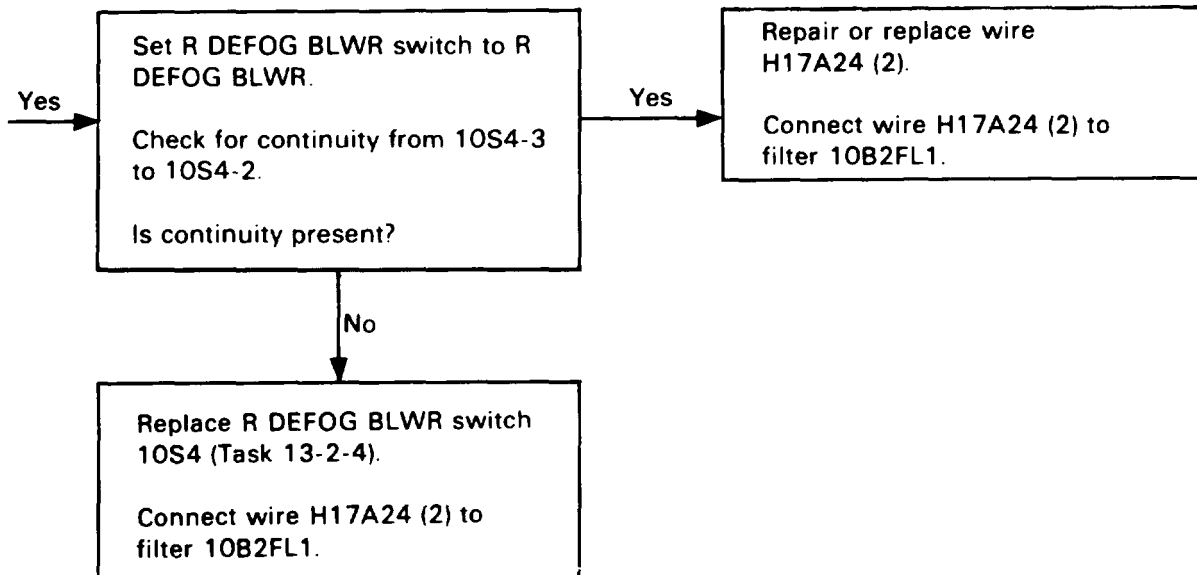


406475-320
H2087

58. RIGHT DEFOG BLOWER DOES NOT OPERATE

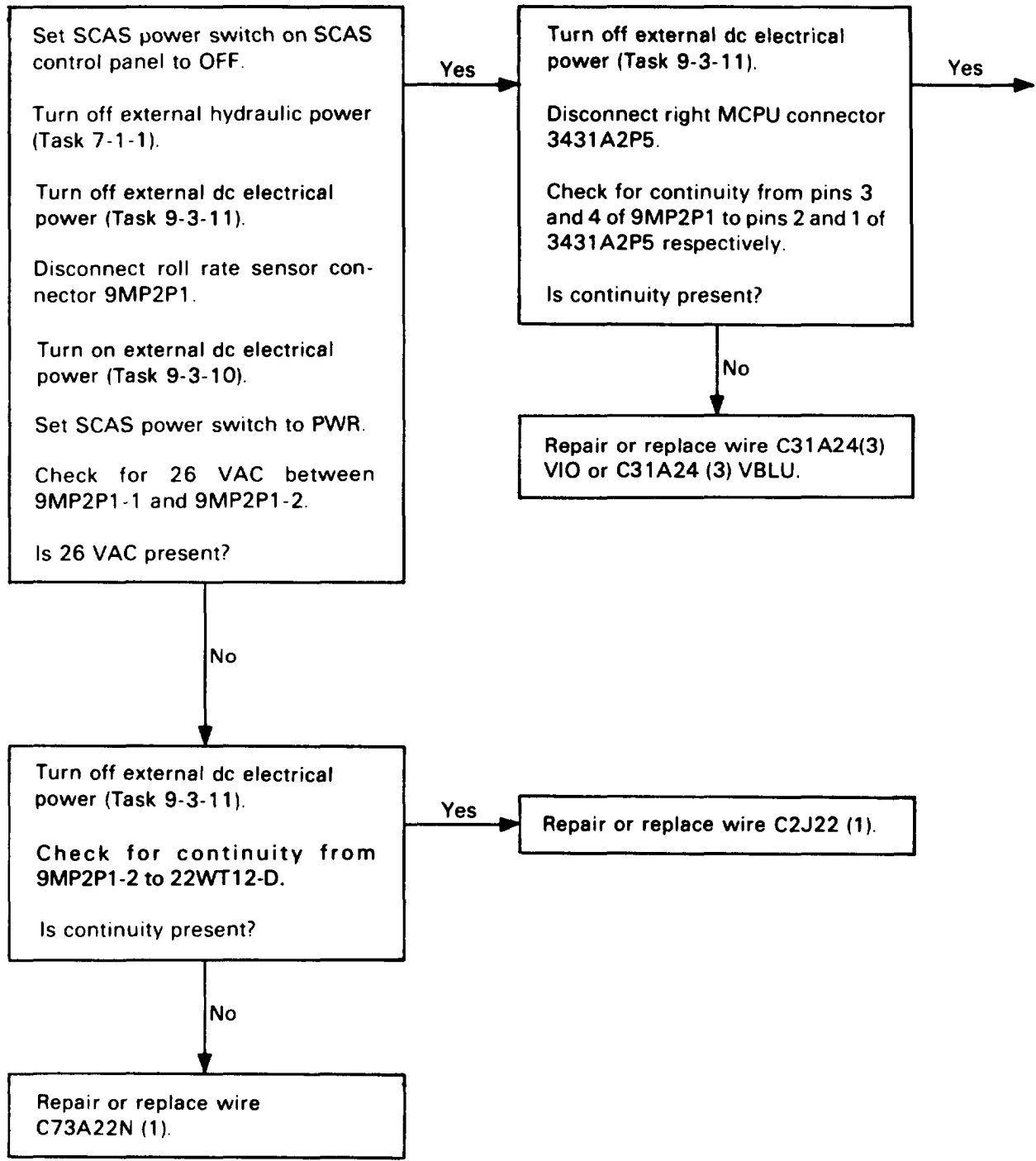


58. RIGHT DEFOG BLOWER DOES NOT OPERATE (CONT)

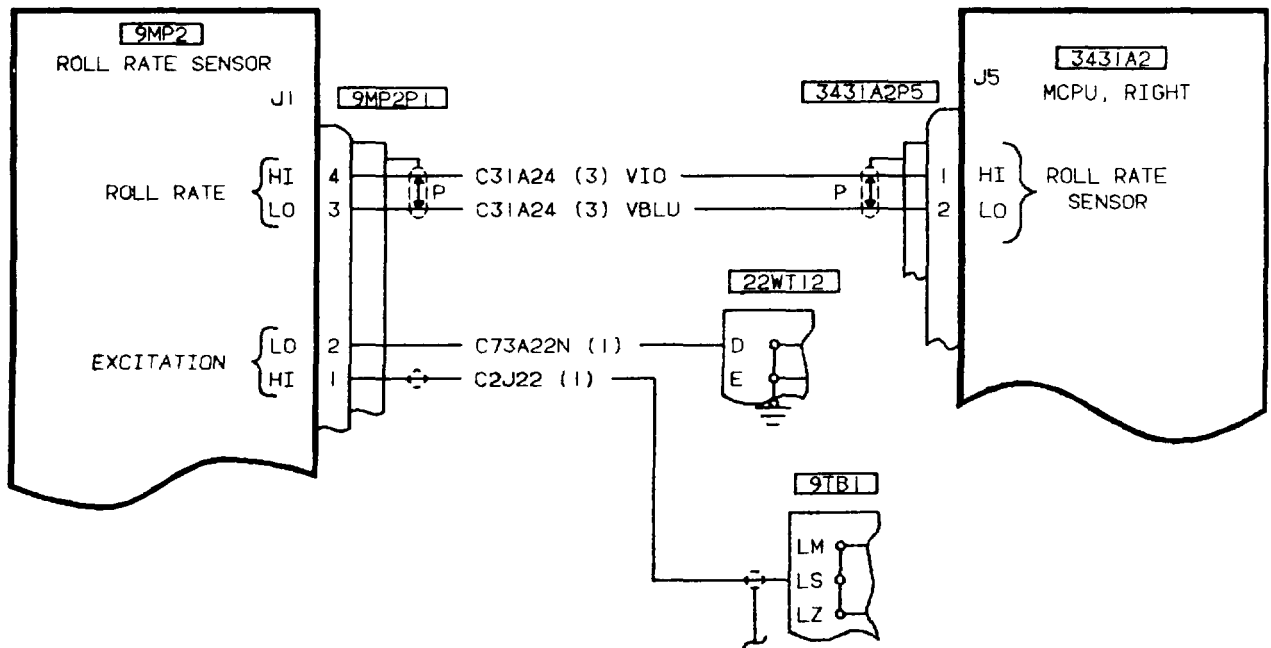
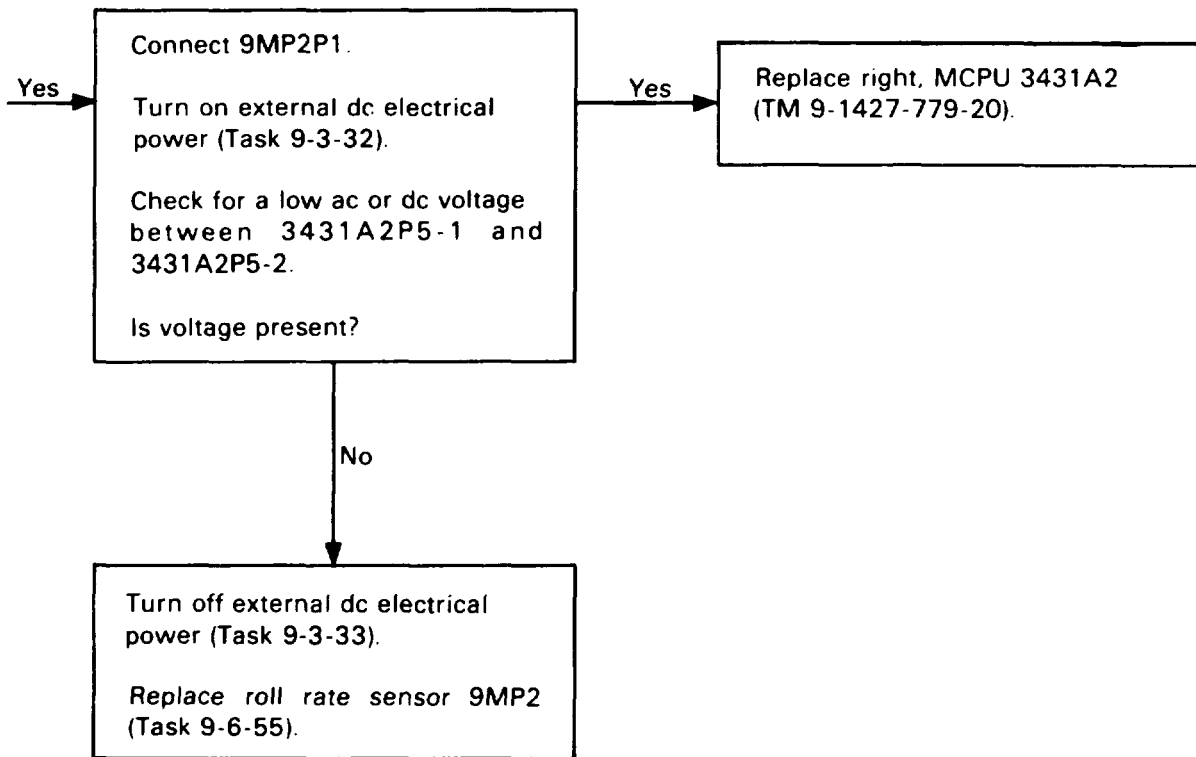


406475-397

59. ROLL RATE SENSOR FAILURE CODE 22 IS DISPLAYED ON MFD

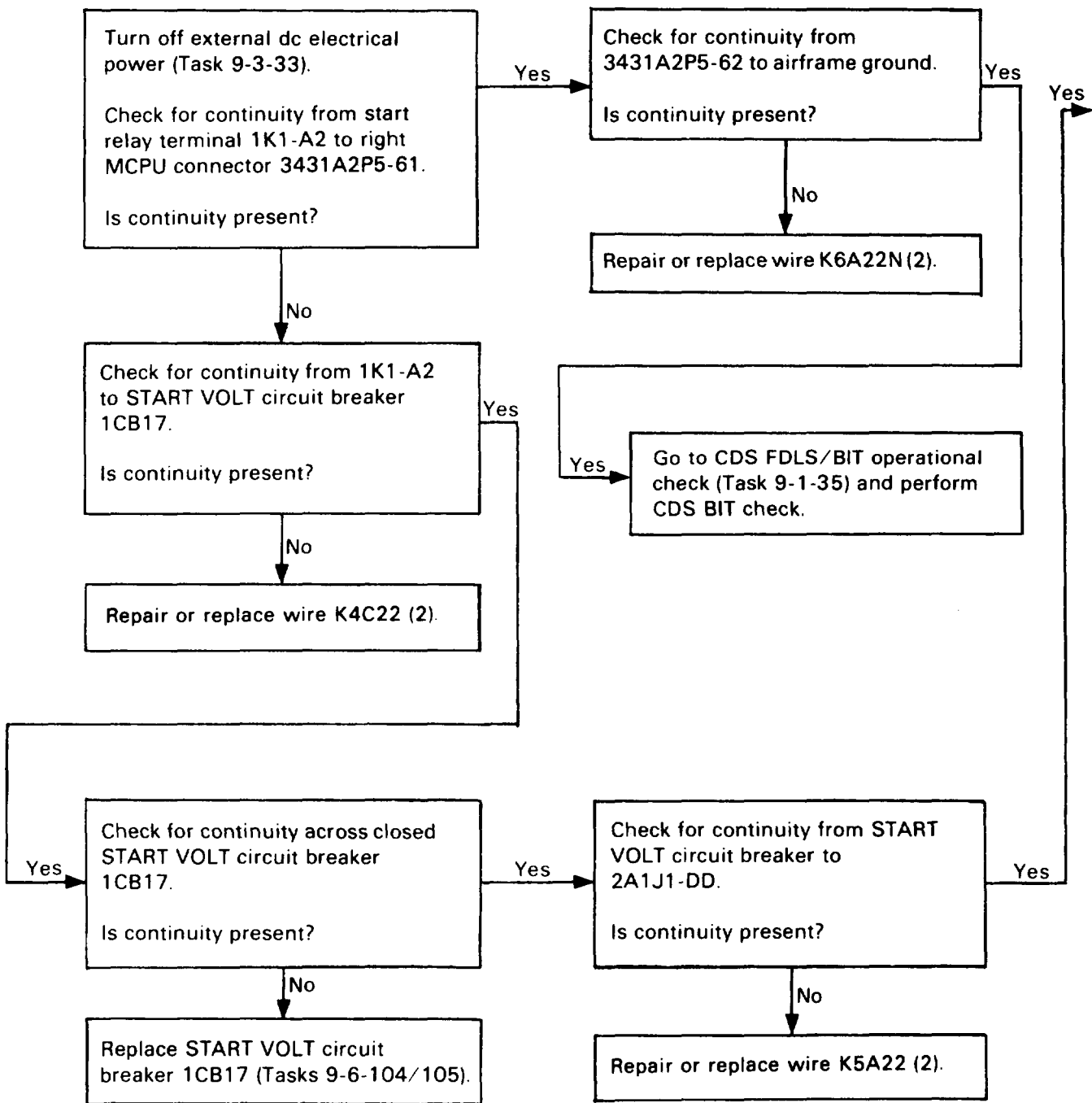


59. ROLL RATE SENSOR FAILURE CODE 22 IS DISPLAYED ON MFD (CONT)

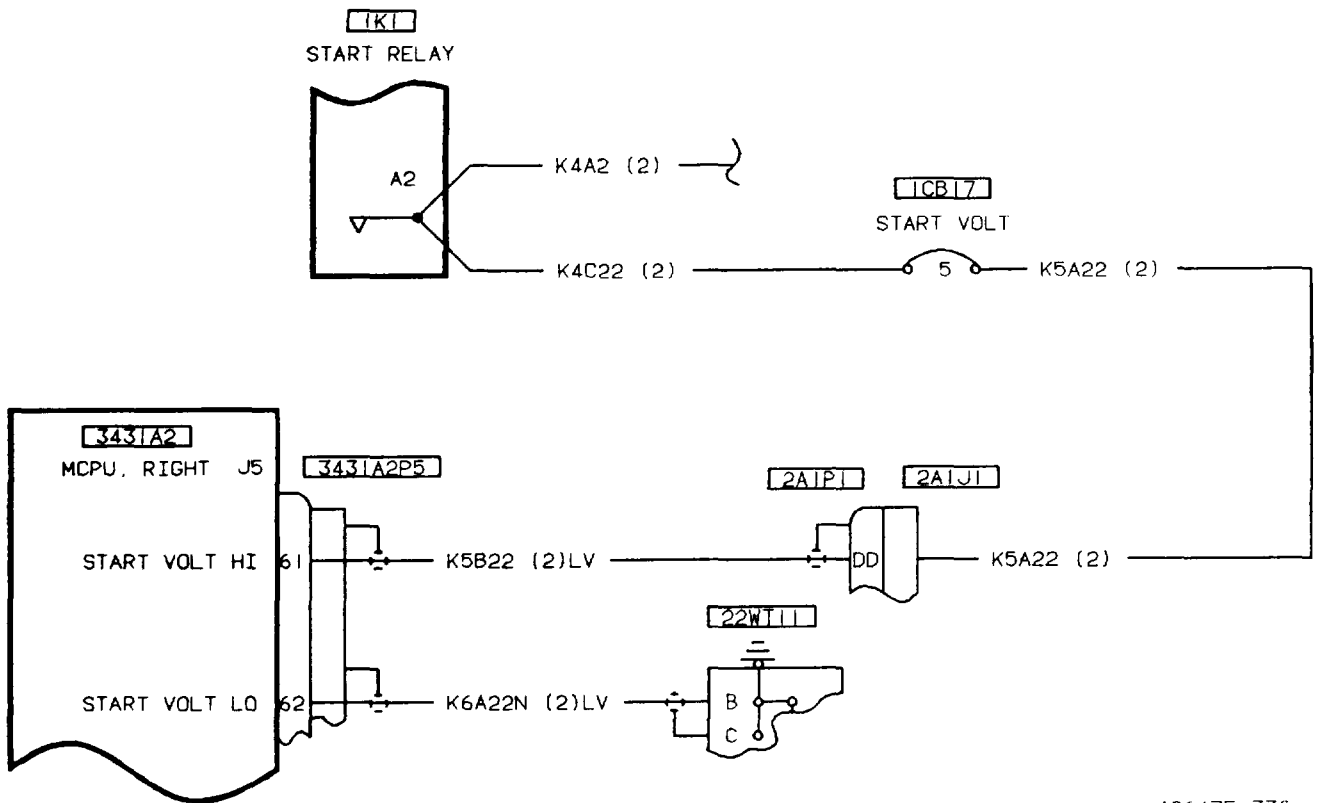
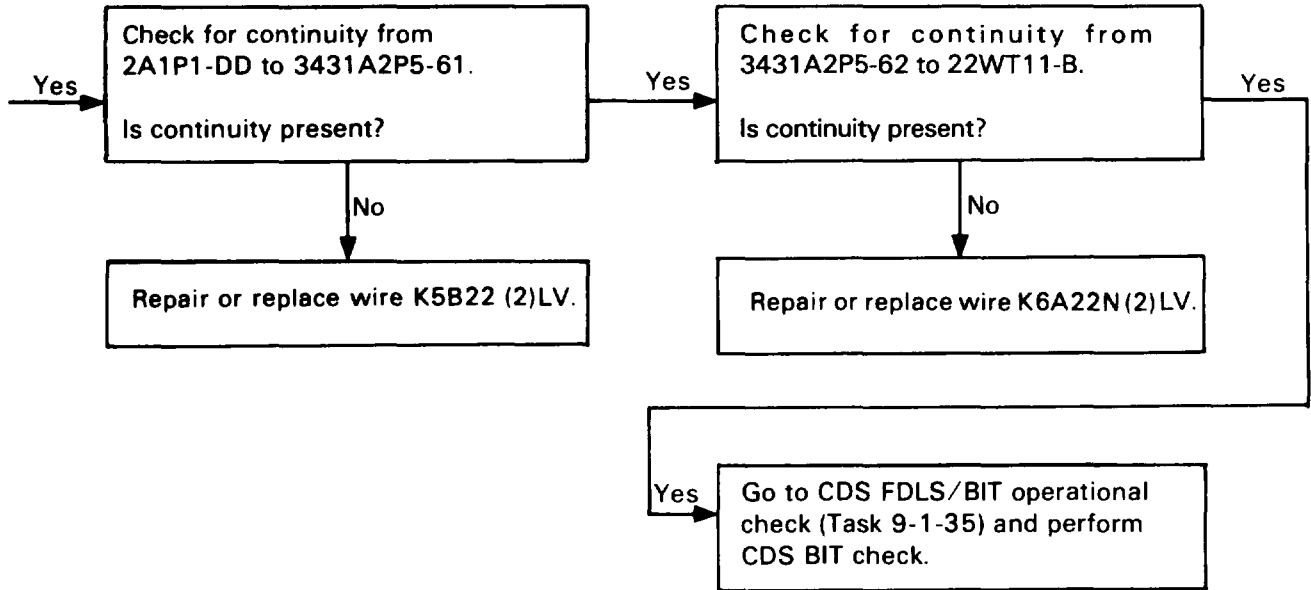


406475-311
H2087

60. STARTER VOLTAGE INDICATION IS NOT PRESENT ON MPD DURING START

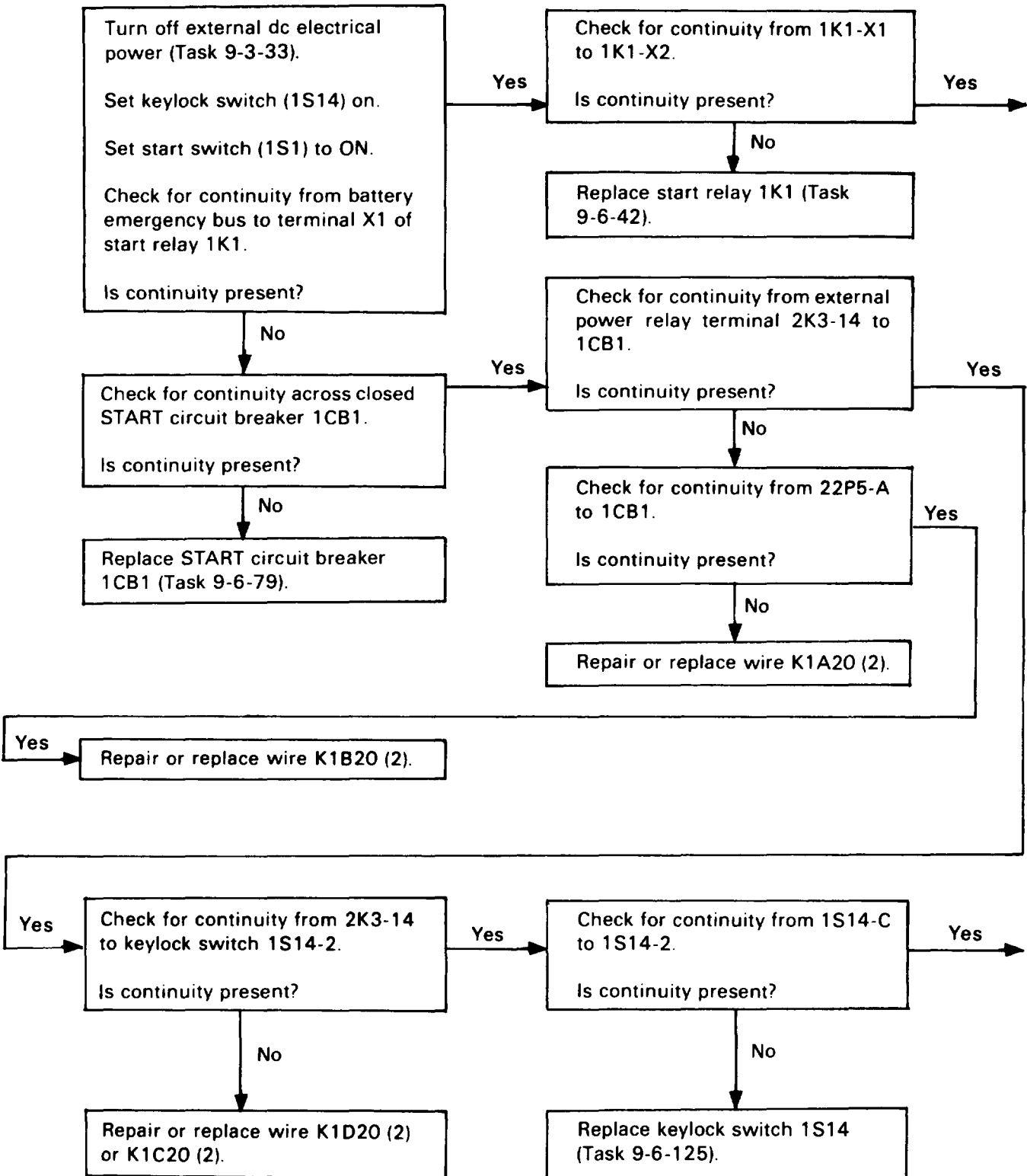


60. STARTER VOLTAGE INDICATION IS NOT PRESENT ON MPD DURING START (CONT)

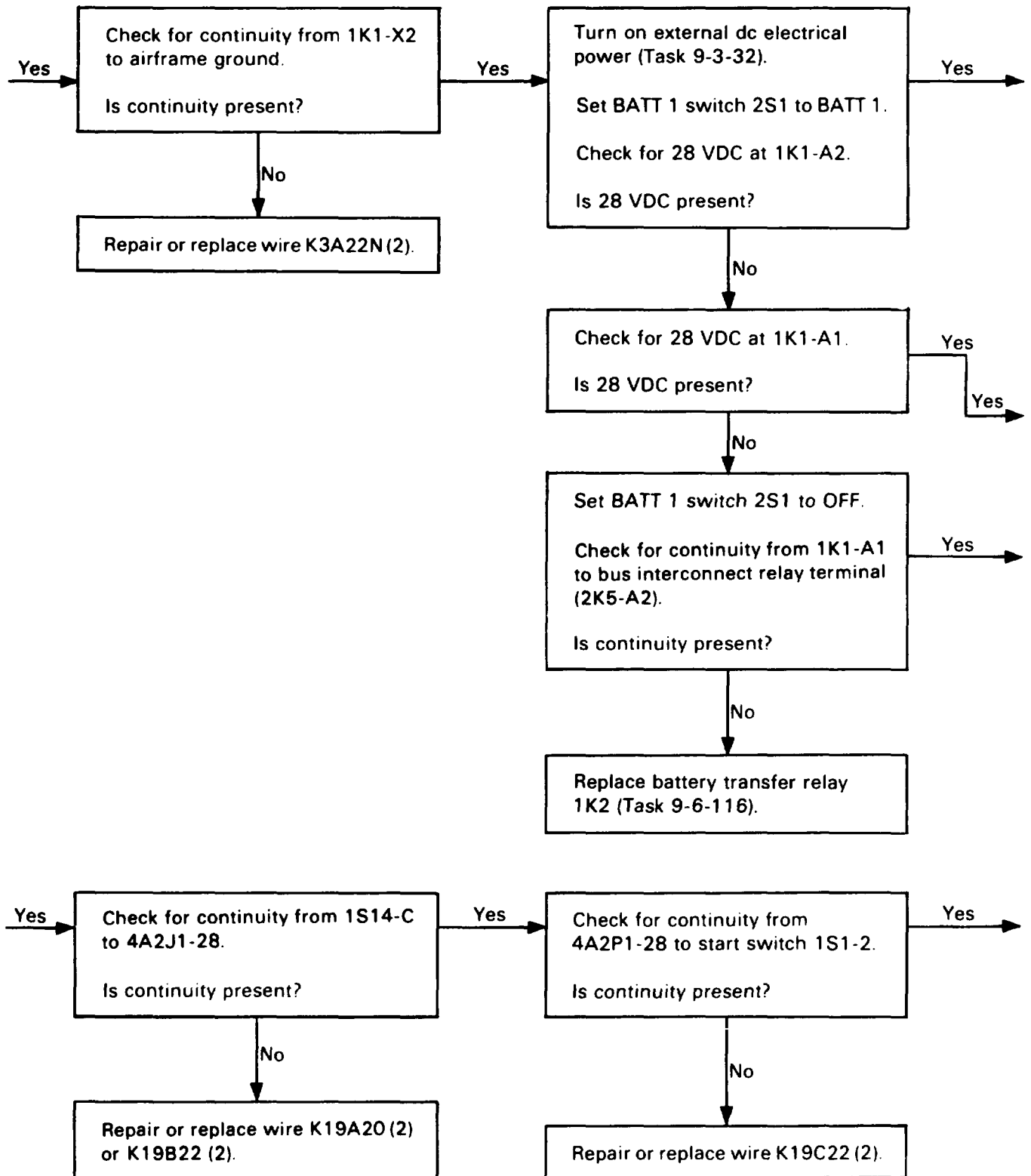


406475-338

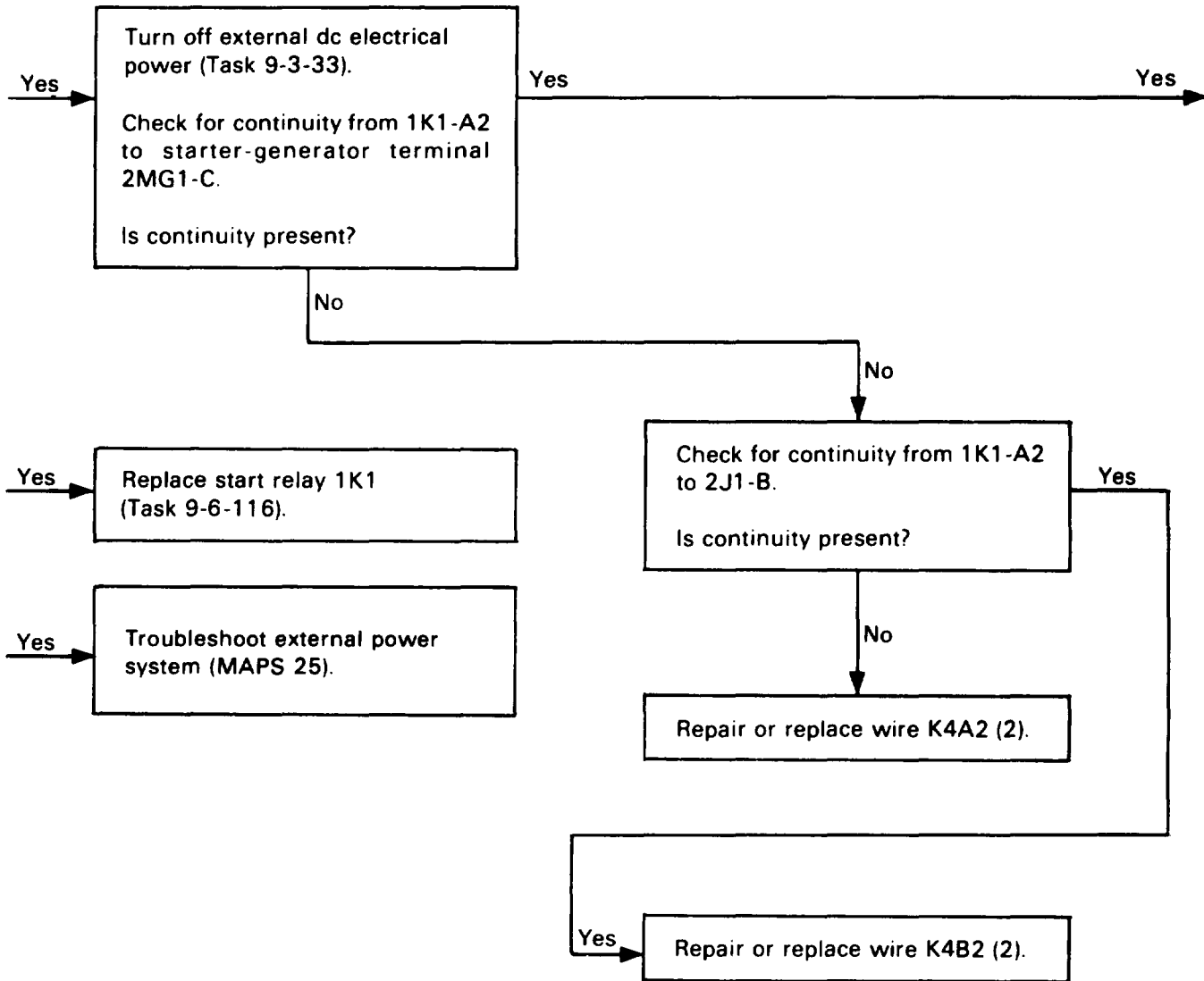
61. STARTER WILL NOT CRANK ENGINE



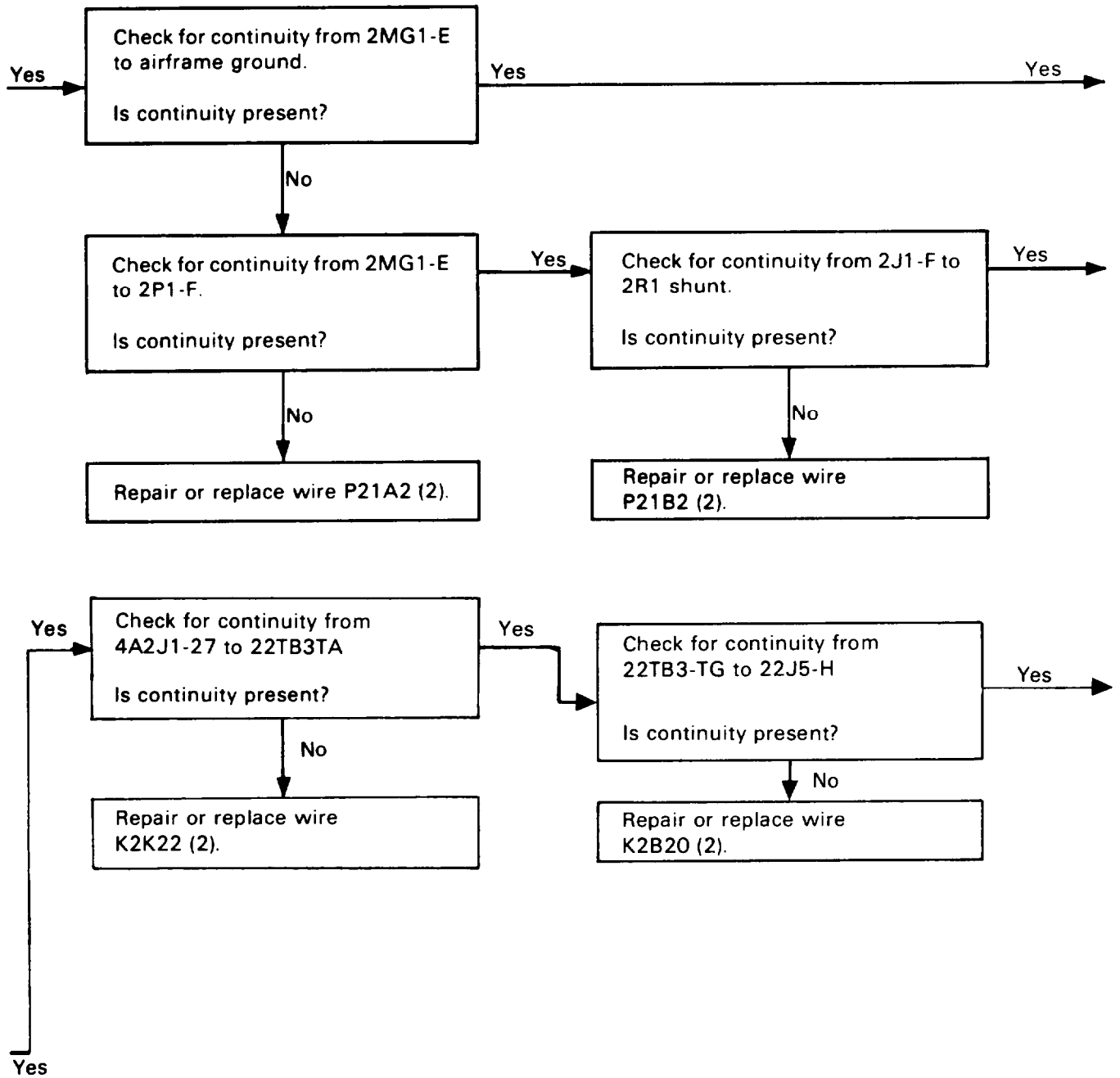
61. STARTER WILL NOT CRANK ENGINE (CONT)



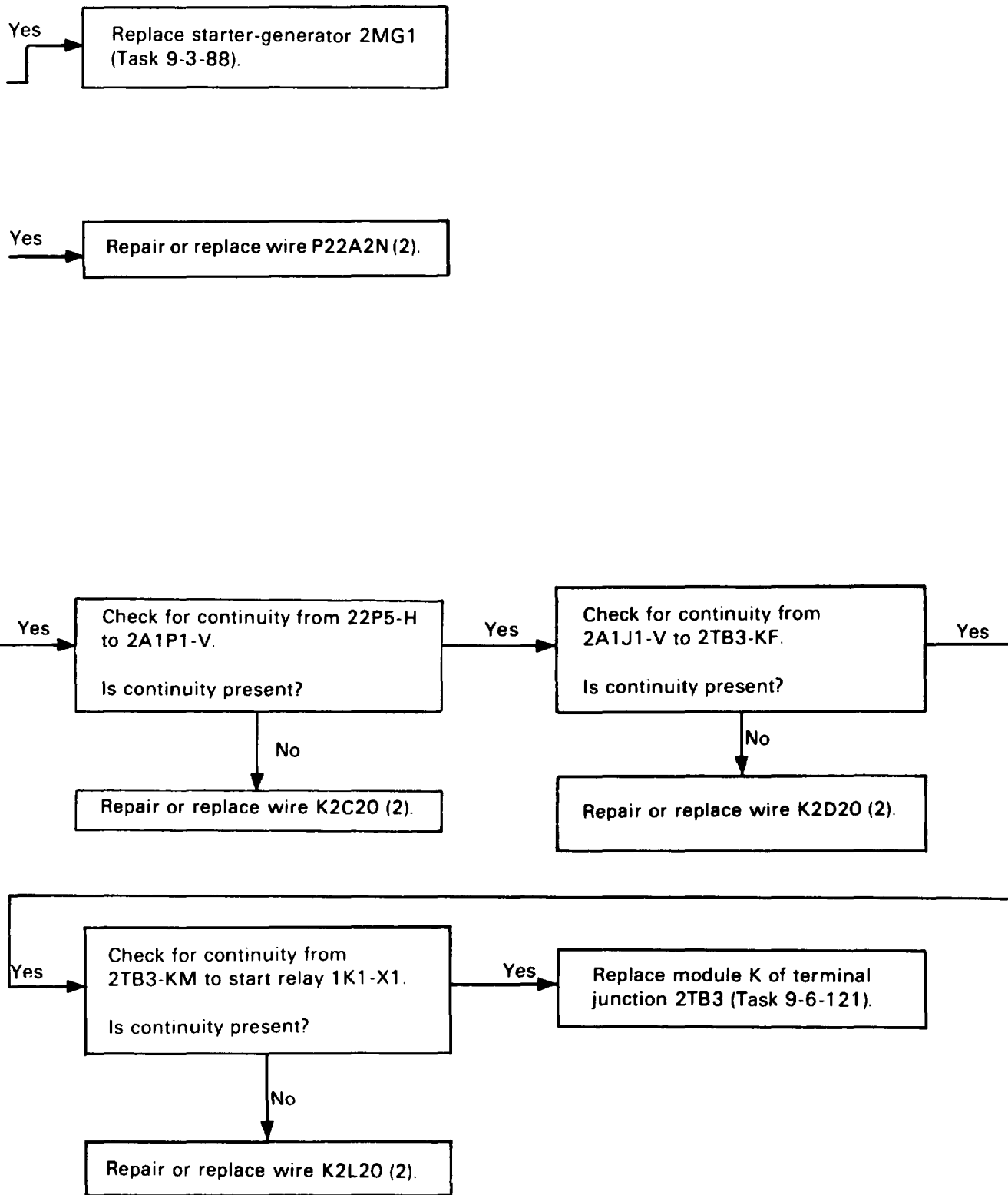
61. STARTER WILL NOT CRANK ENGINE (CONT)



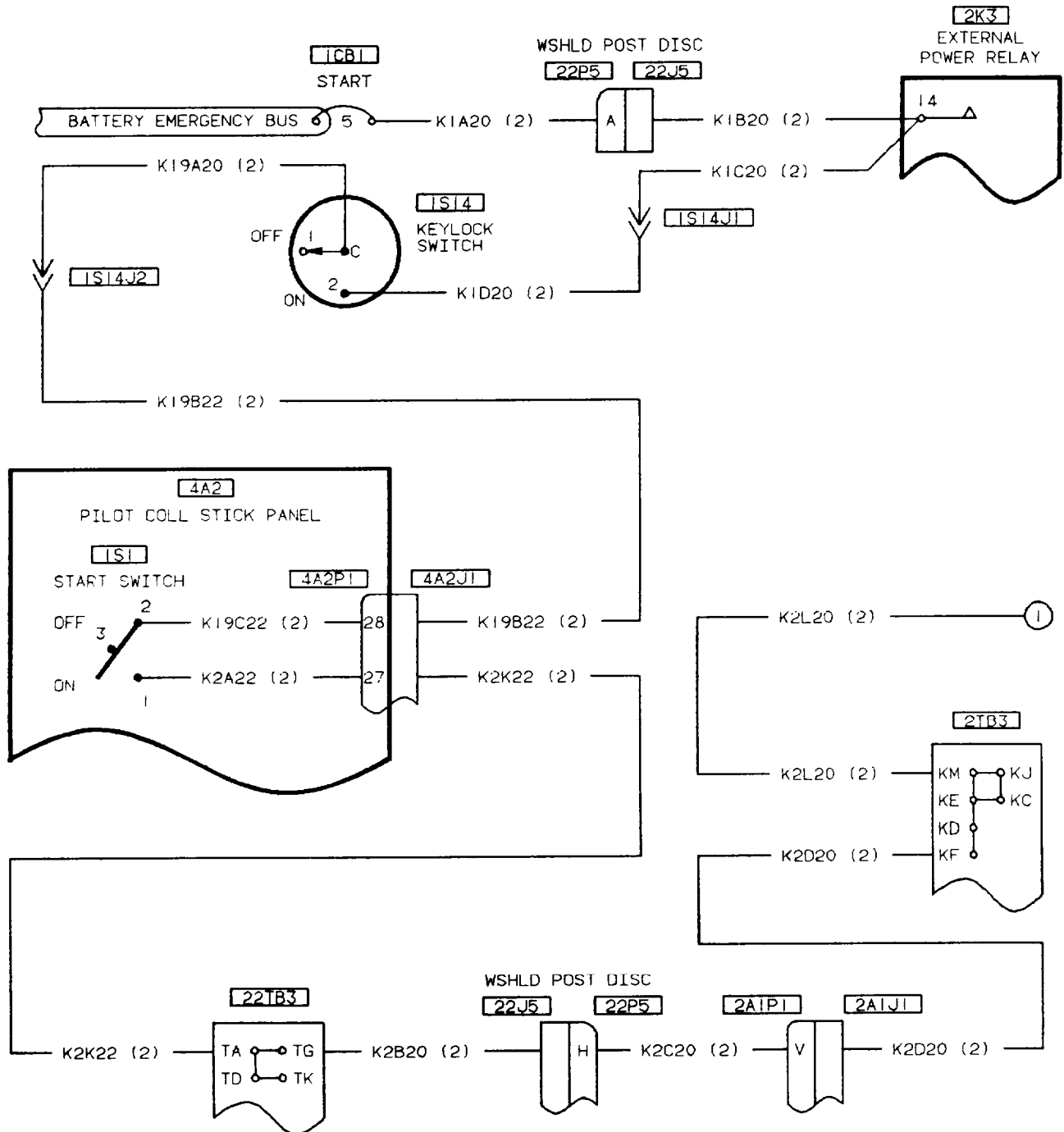
61. STARTER WILL NOT CRANK ENGINE (CONT)



61. STARTER WILL NOT CRANK ENGINE (CONT)

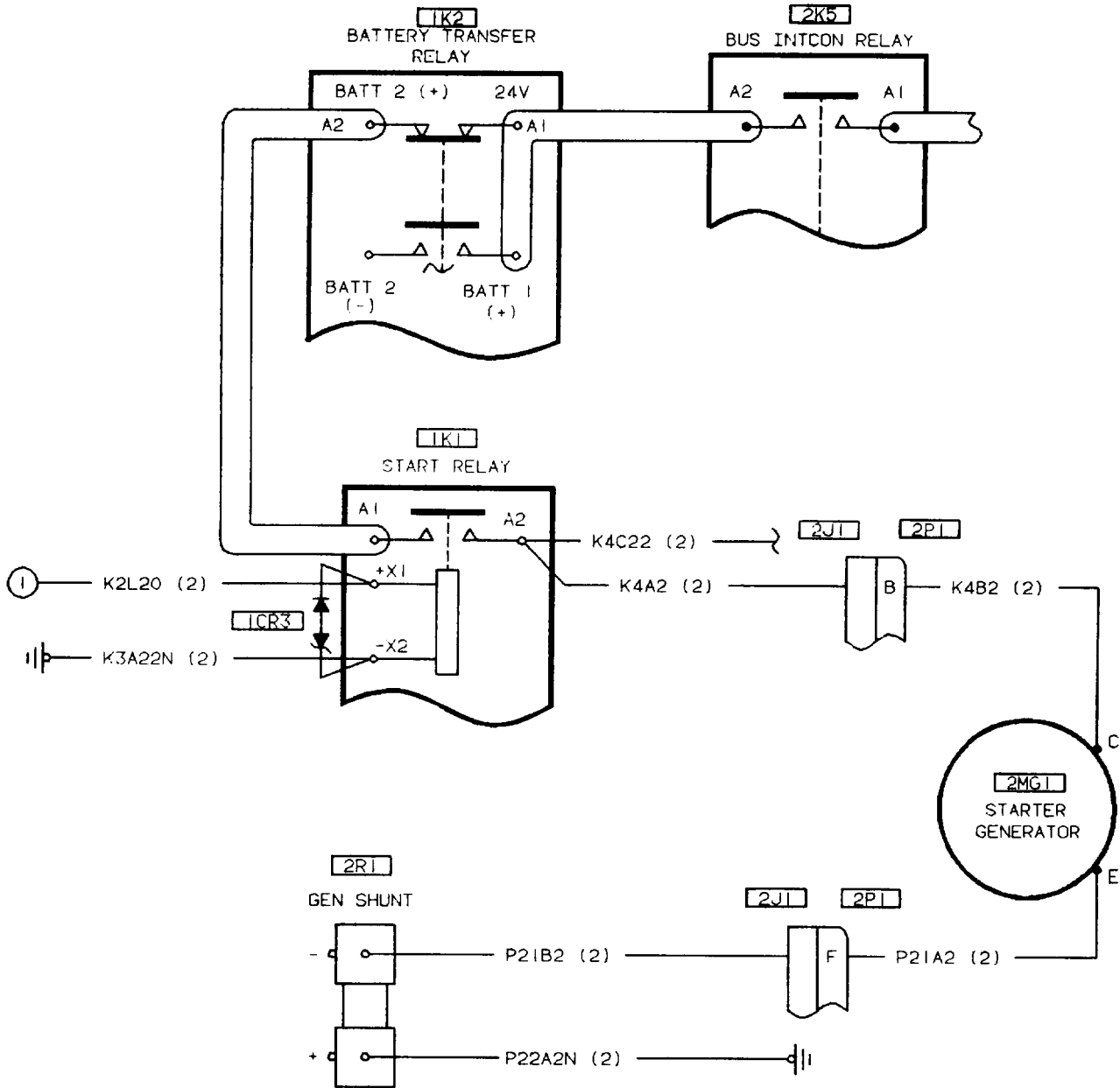


61. STARTER WILL NOT CRANK ENGINE (CONT)



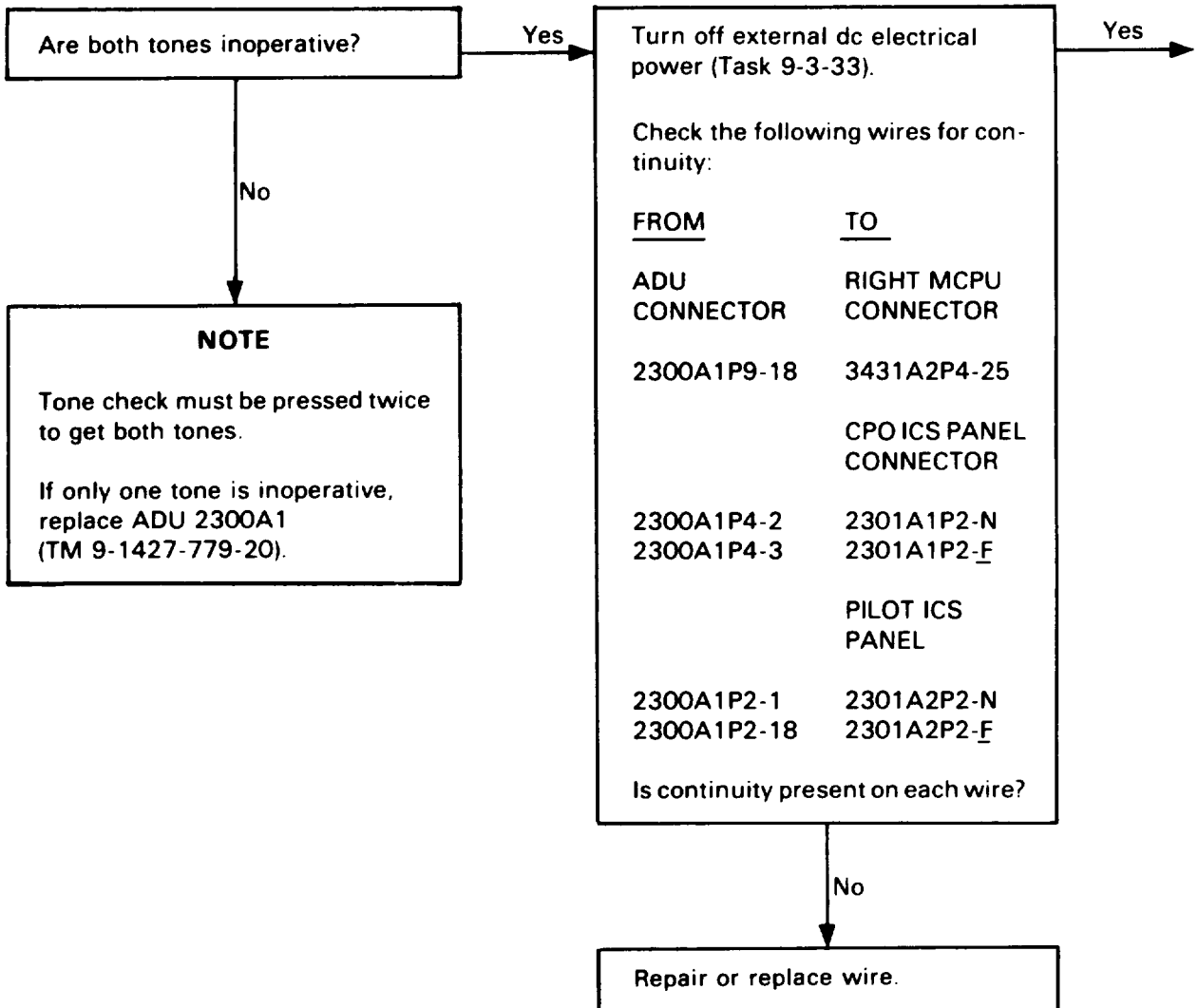
406475-340-1

61. STARTER WILL NOT CRANK ENGINE (CONT)

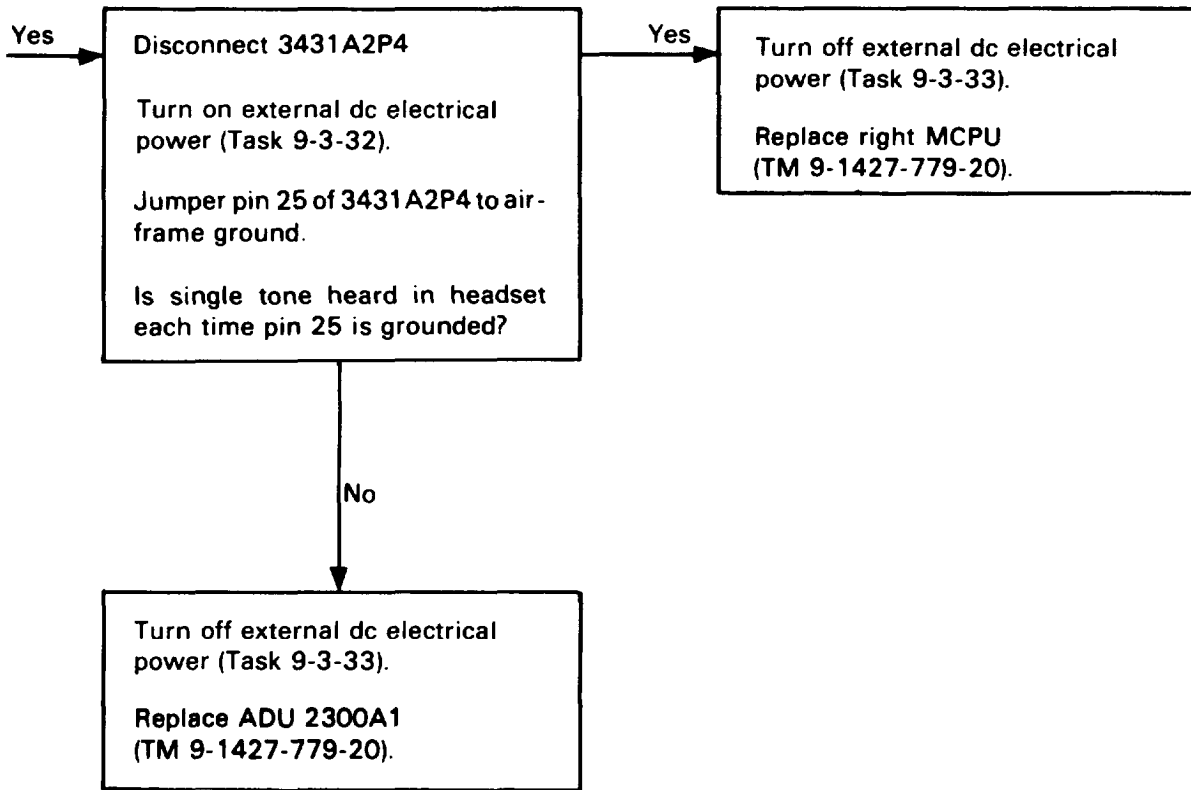


406475-340-2

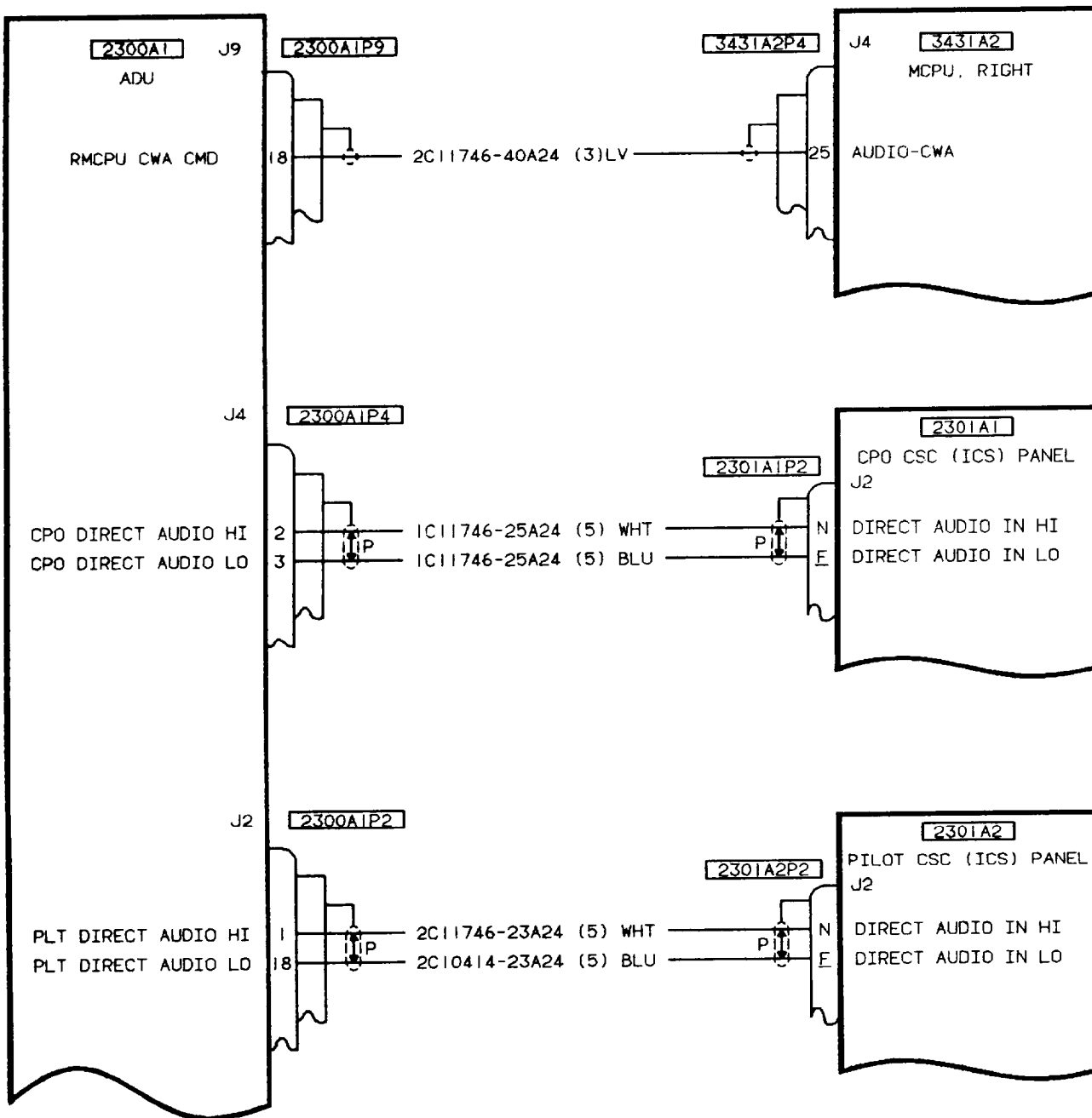
62. TONE CHECK TEST ON MFD FAILS (MCPU L CIRCUIT BREAKER OPEN)



62. TONE CHECK TEST ON MFD FAILS (MCPU L CIRCUIT BREAKER OPEN) (CONT)

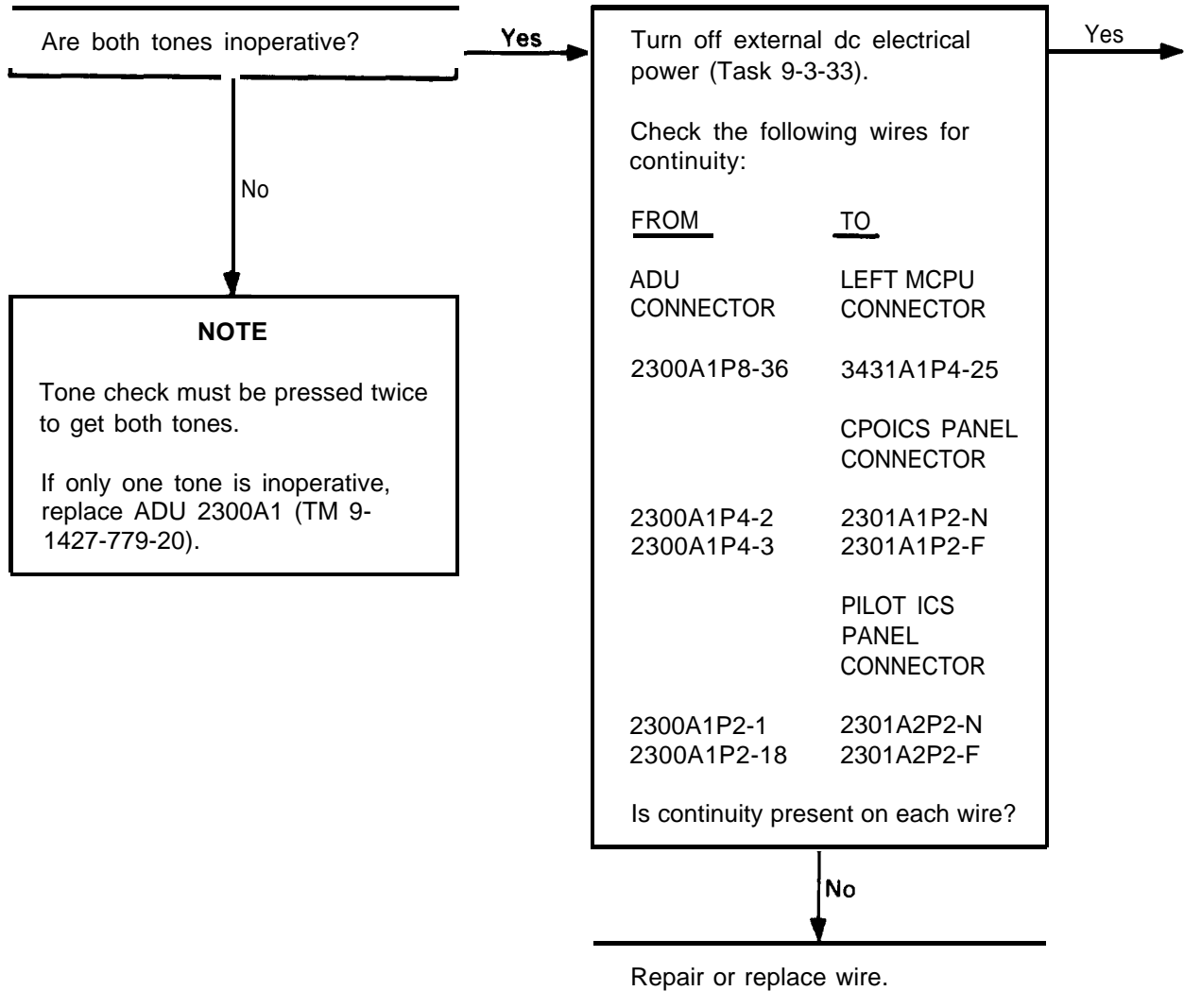


62. TONE CHECK TEST ON MFD FAILS (MCPU L CIRCUIT BREAKER OPEN) (CONT)

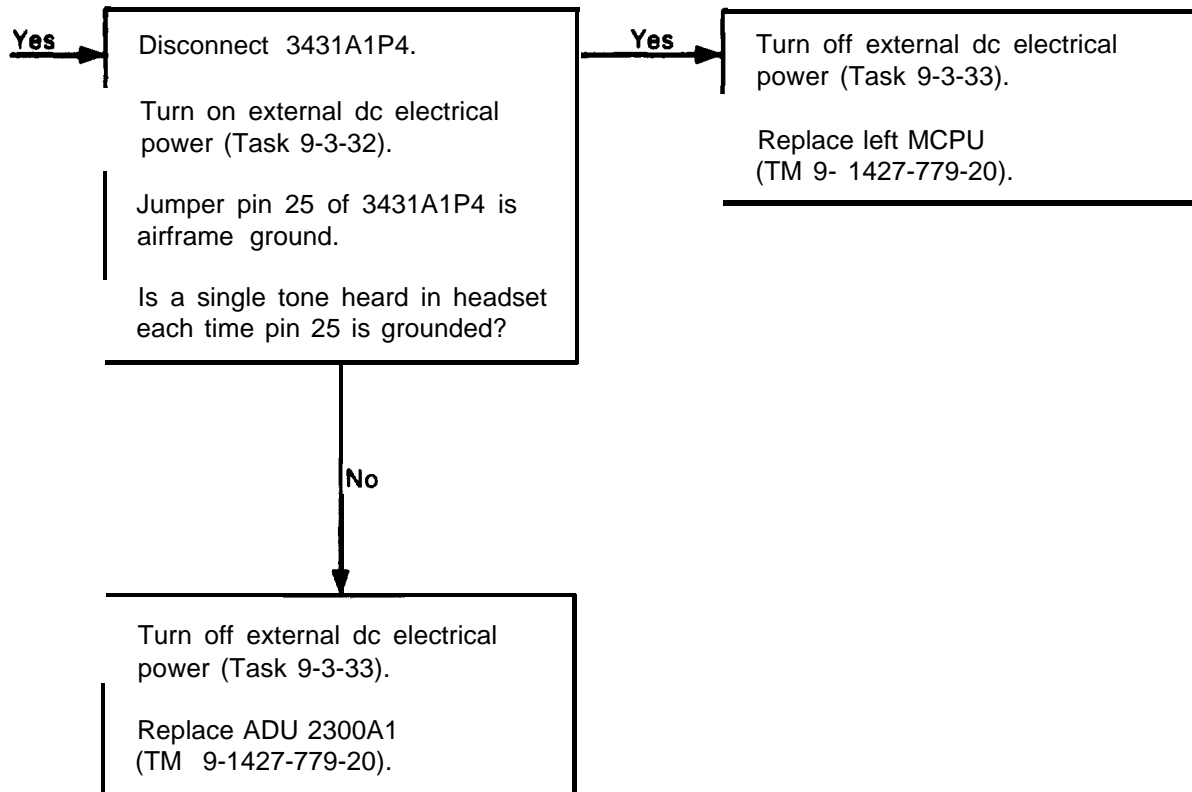


406475-377

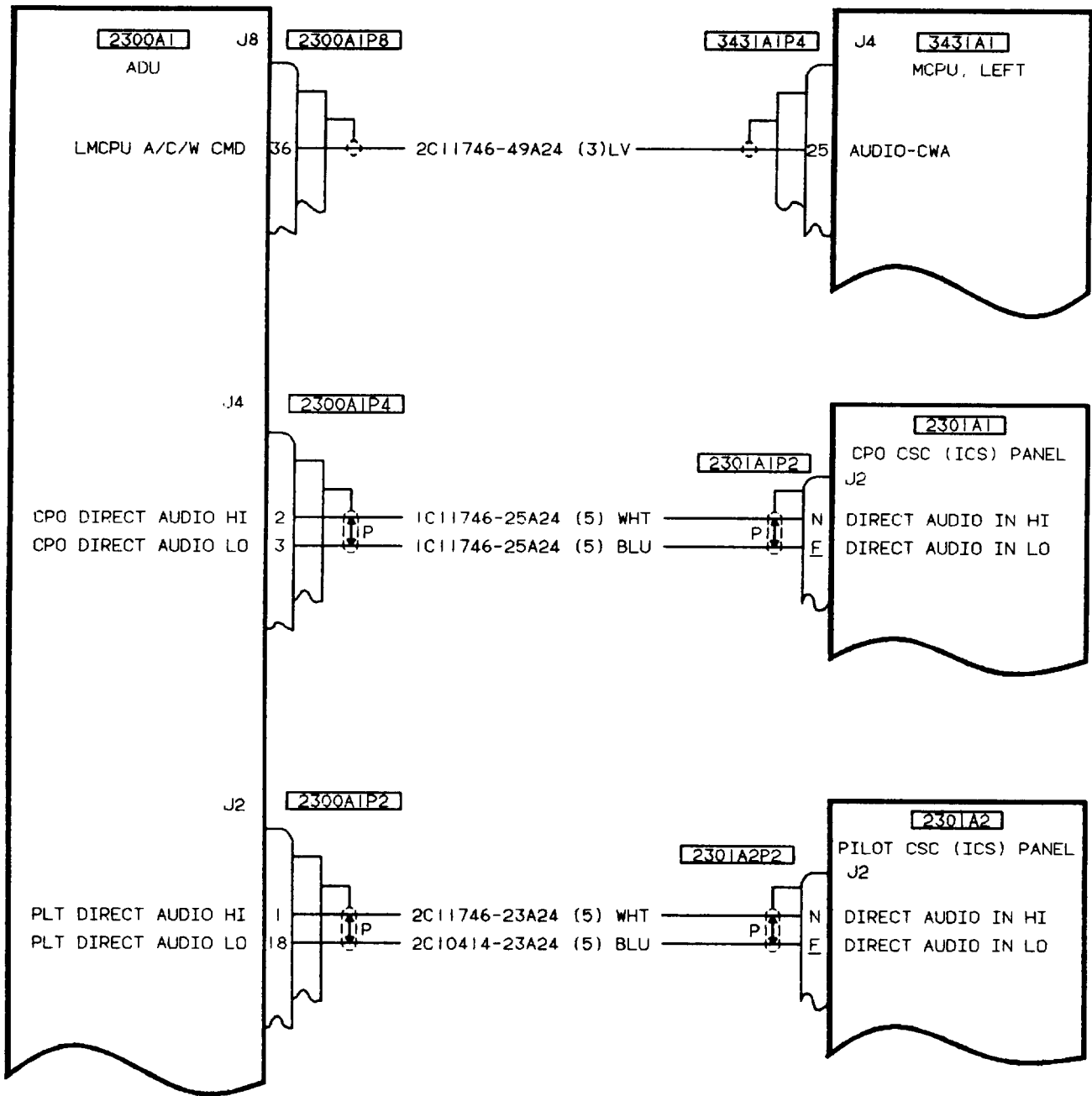
63. TONE CHECK TEST ON MFD FAILS (MCPU R CIRCUIT BREAKER OPEN)



63. TONE CHECK TEST ON MFD FAILS (MCPUR CIRCUIT BREAKER OPEN) (CONT)

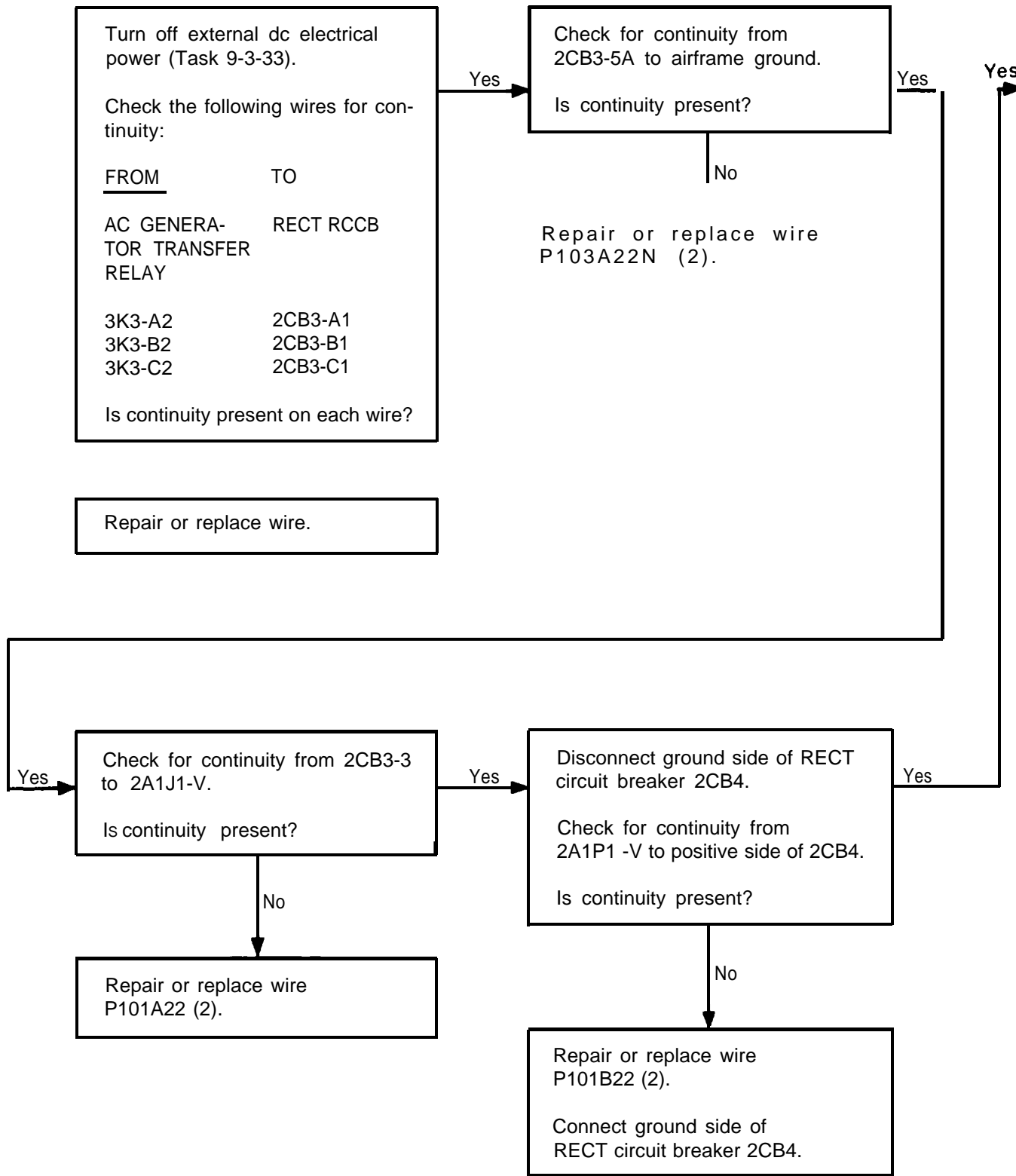


63. TONE CHECK TEST ON MFD FAILS (MCPU R CIRCUIT BREAKER OPEN) (CONT)

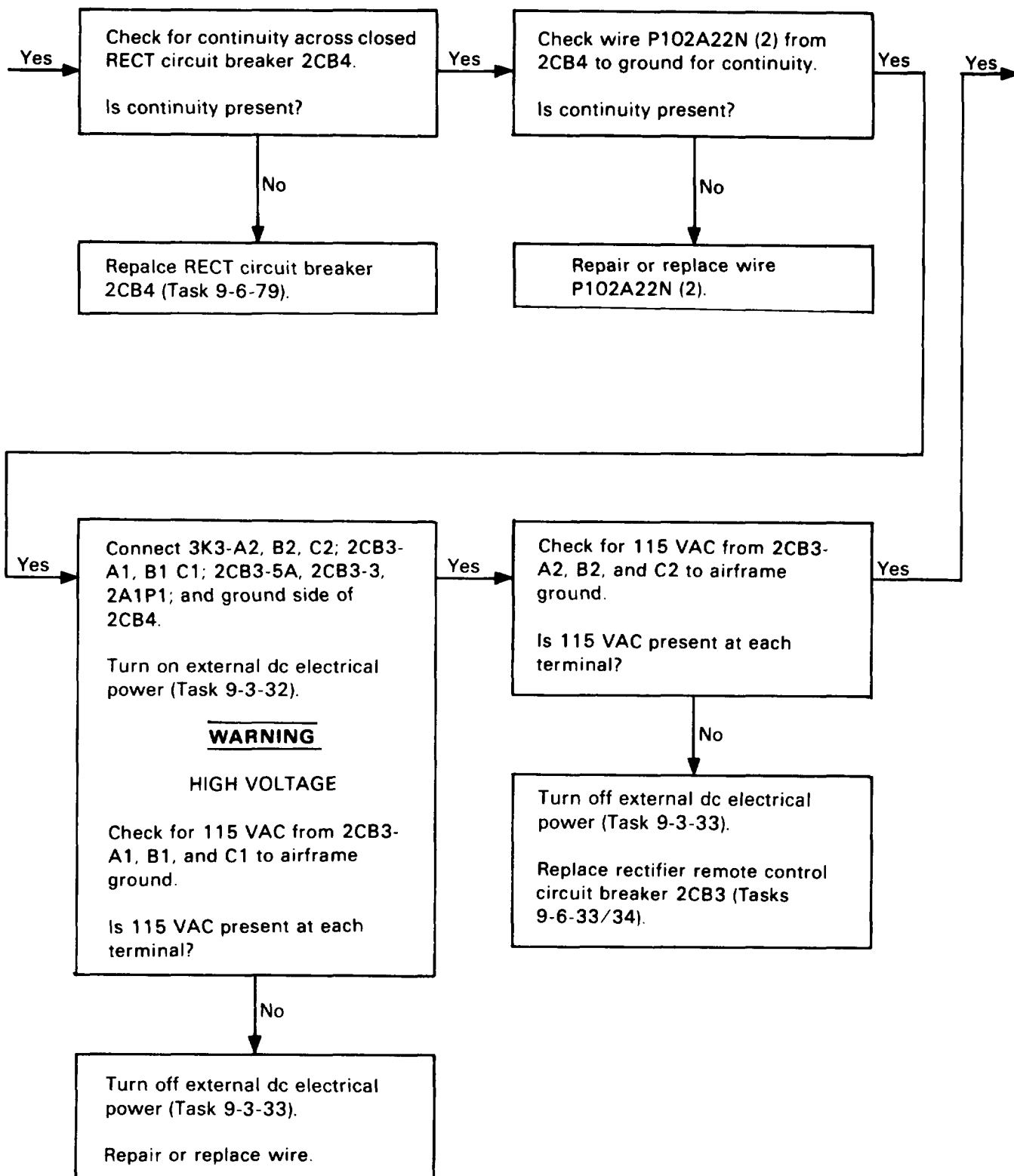


406475-378

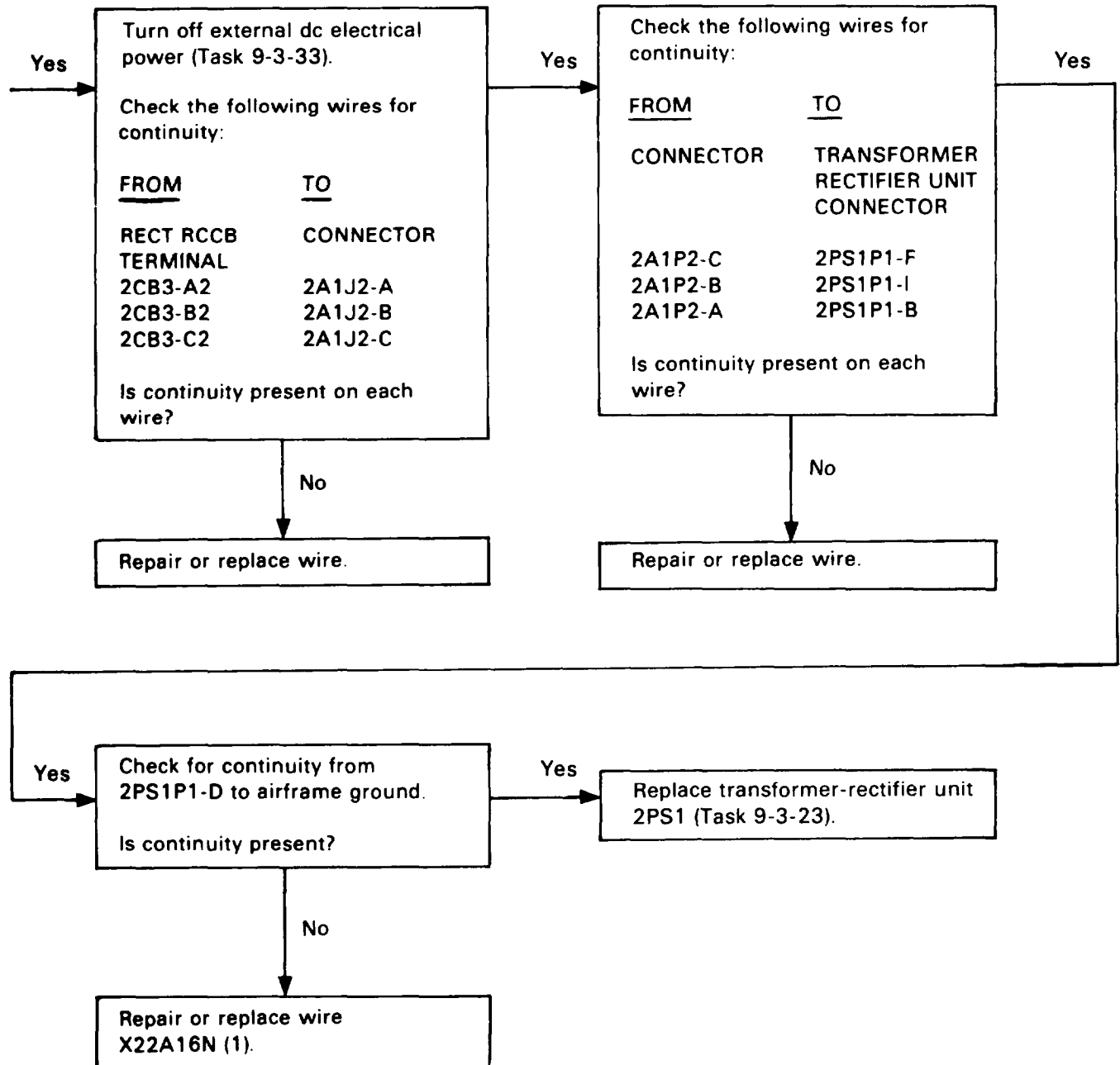
64. TRANSFORMER-RECTIFIER UNIT DOES NOT COME ON



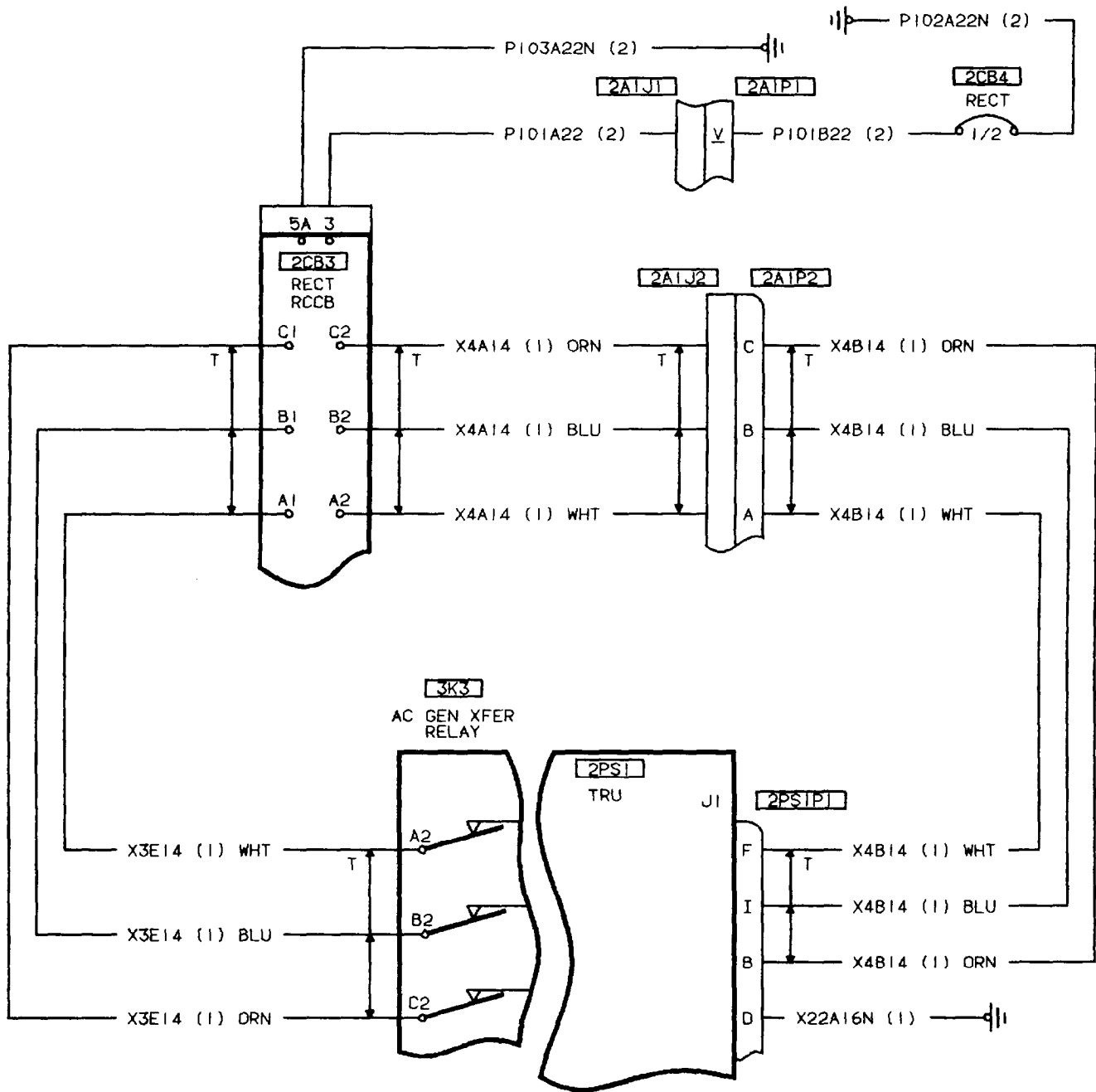
64. TRANSFORMER-RECTIFIER UNIT DOES NOT COME ON (CONT)



64. TRANSFORMER-RECTIFIER UNIT DOES NOT COME ON (CONT)

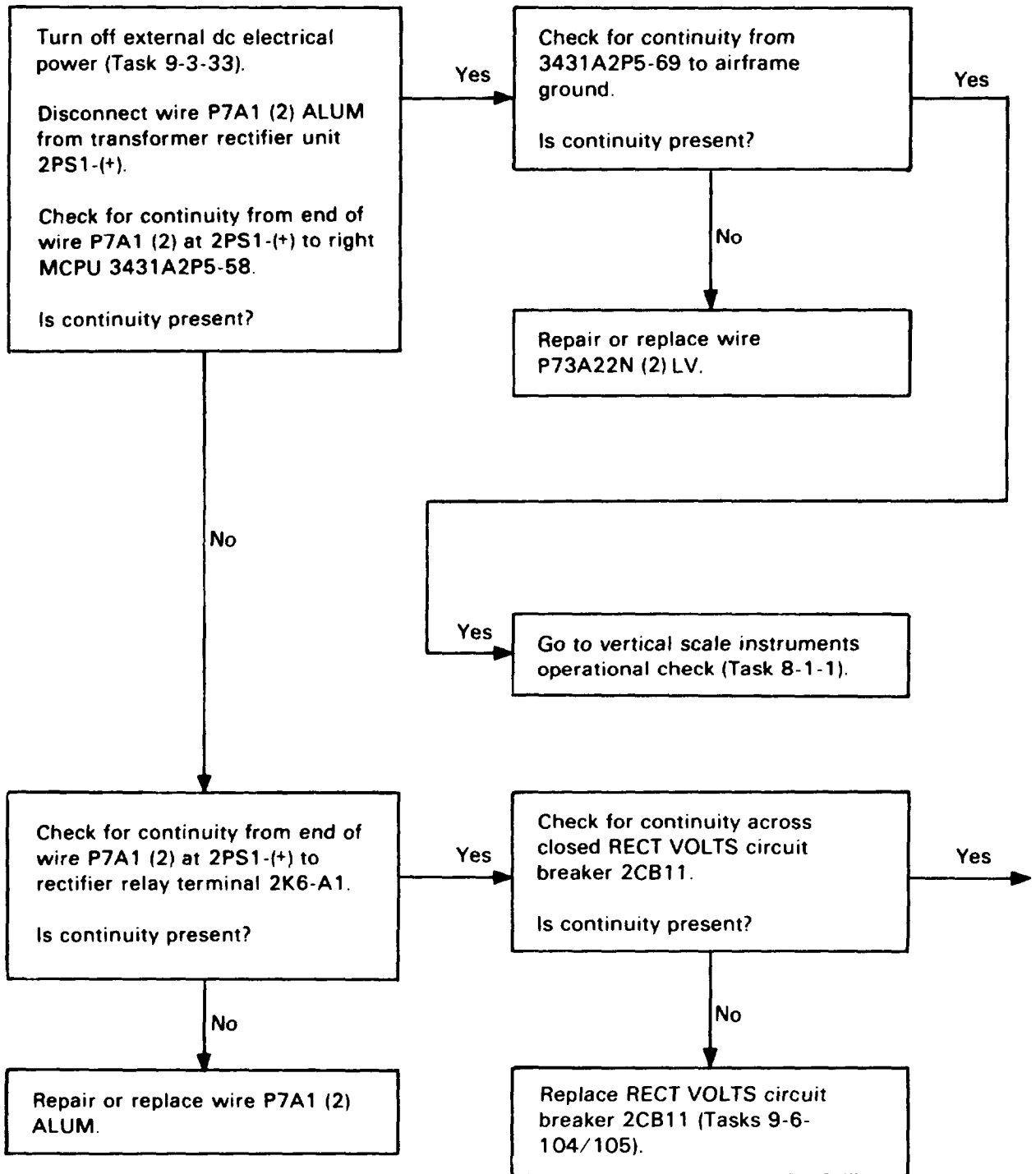


64. TRANSFORMER-RECTIFIER UNIT DOES NOT COME ON (CONT)

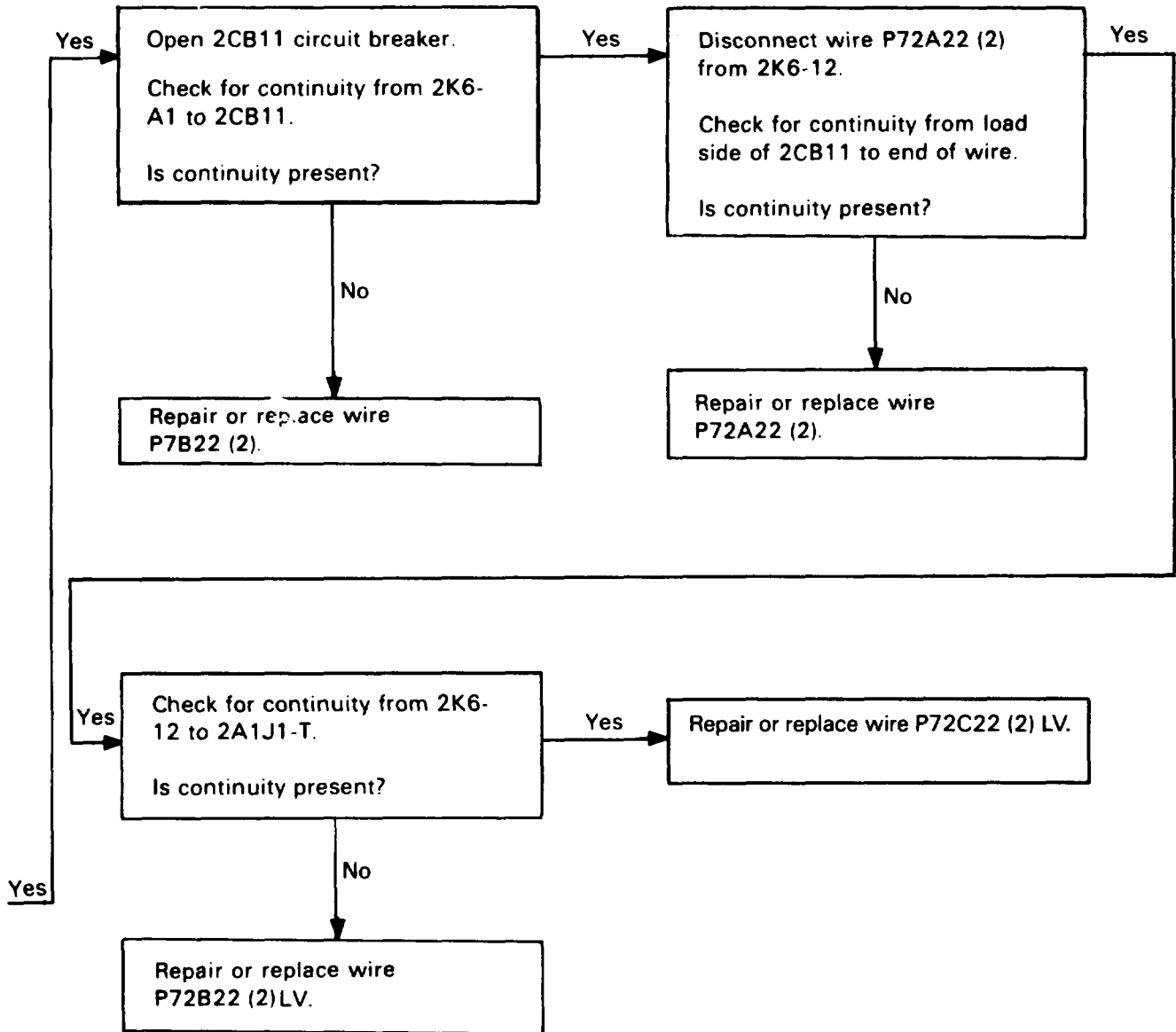


406475-398

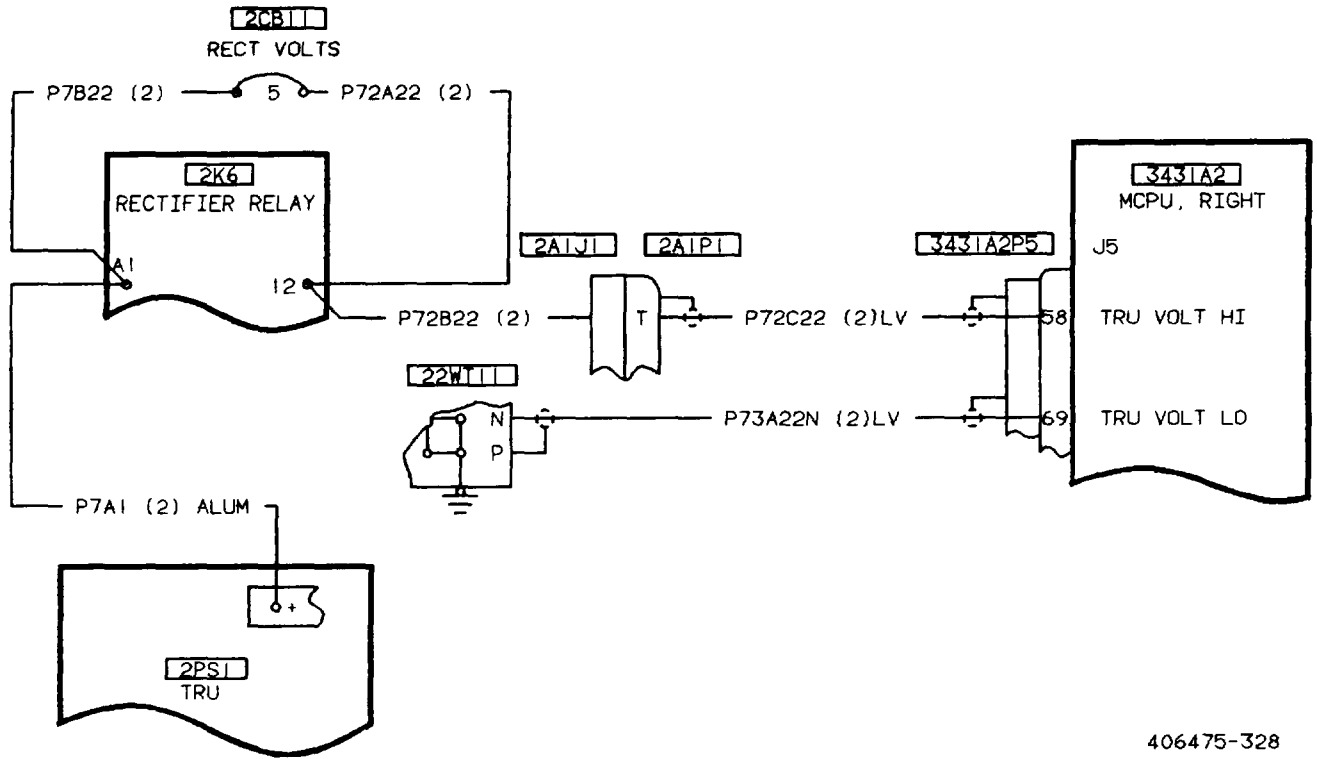
65. TRANSFORMER-RECTIFIER UNIT IS ON BUT NO 24-30 VDC INDICATION ABOVE RECT V ON MPD



65. TRANSFORMER-RECTIFIER UNIT IS ON BUT NO 24-30 VDC INDICATION ABOVE RECT V ON MPD (CONT)

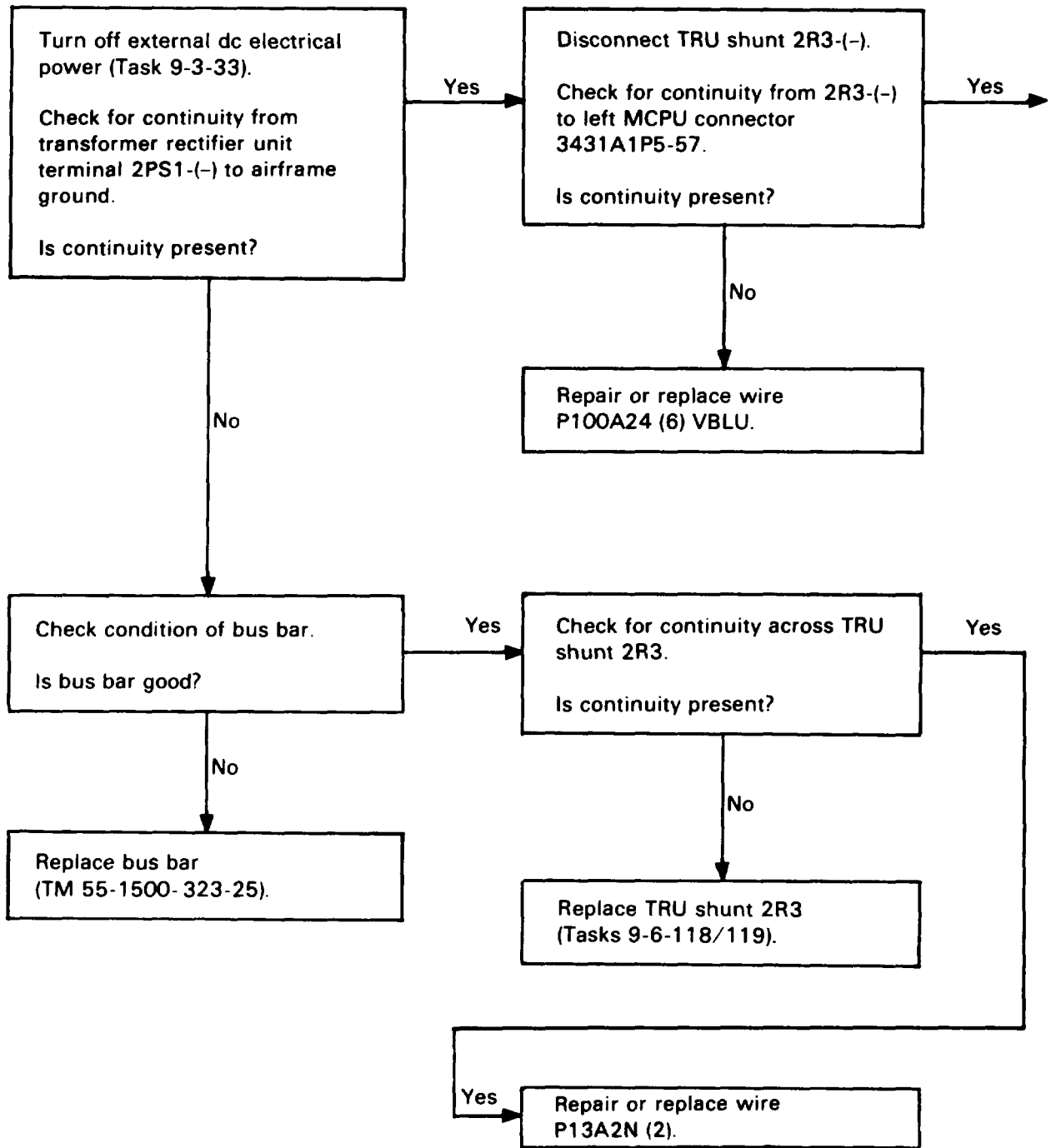


65. TRANSFORMER-RECTIFIER UNIT IS ON BUT NO 24-30 VDC INDICATION ABOVE RECT V ON MPD
(CONT)

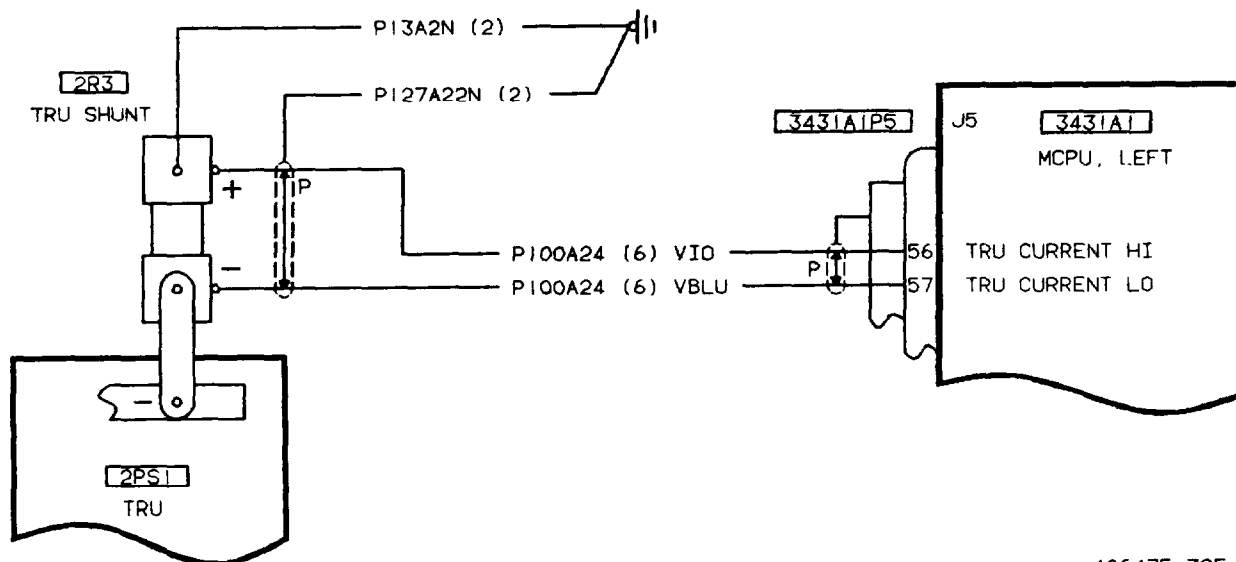
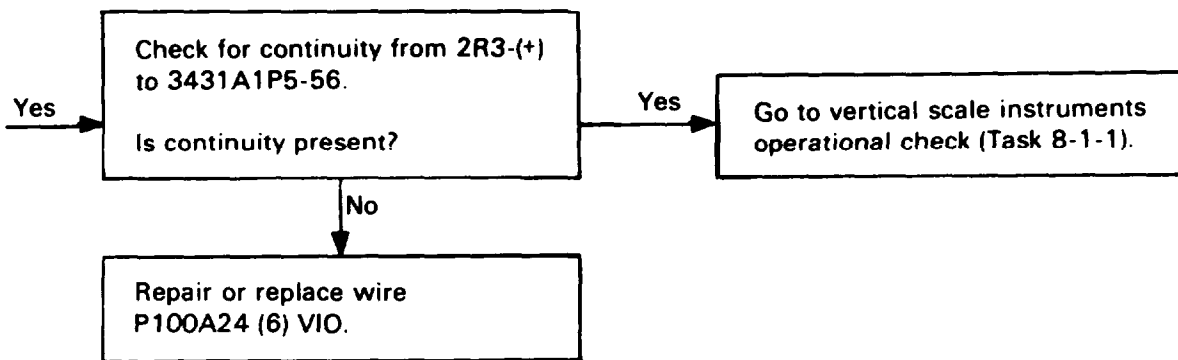


406475-328

66. TRANSFORMER-RECTIFIER UNIT ON (NO PERCENT LOAD DISPLAY ON MPD)



66. TRANSFORMER-RECTIFIER UNIT ON (NO PERCENT LOAD DISPLAY ON MPD) (CONT)

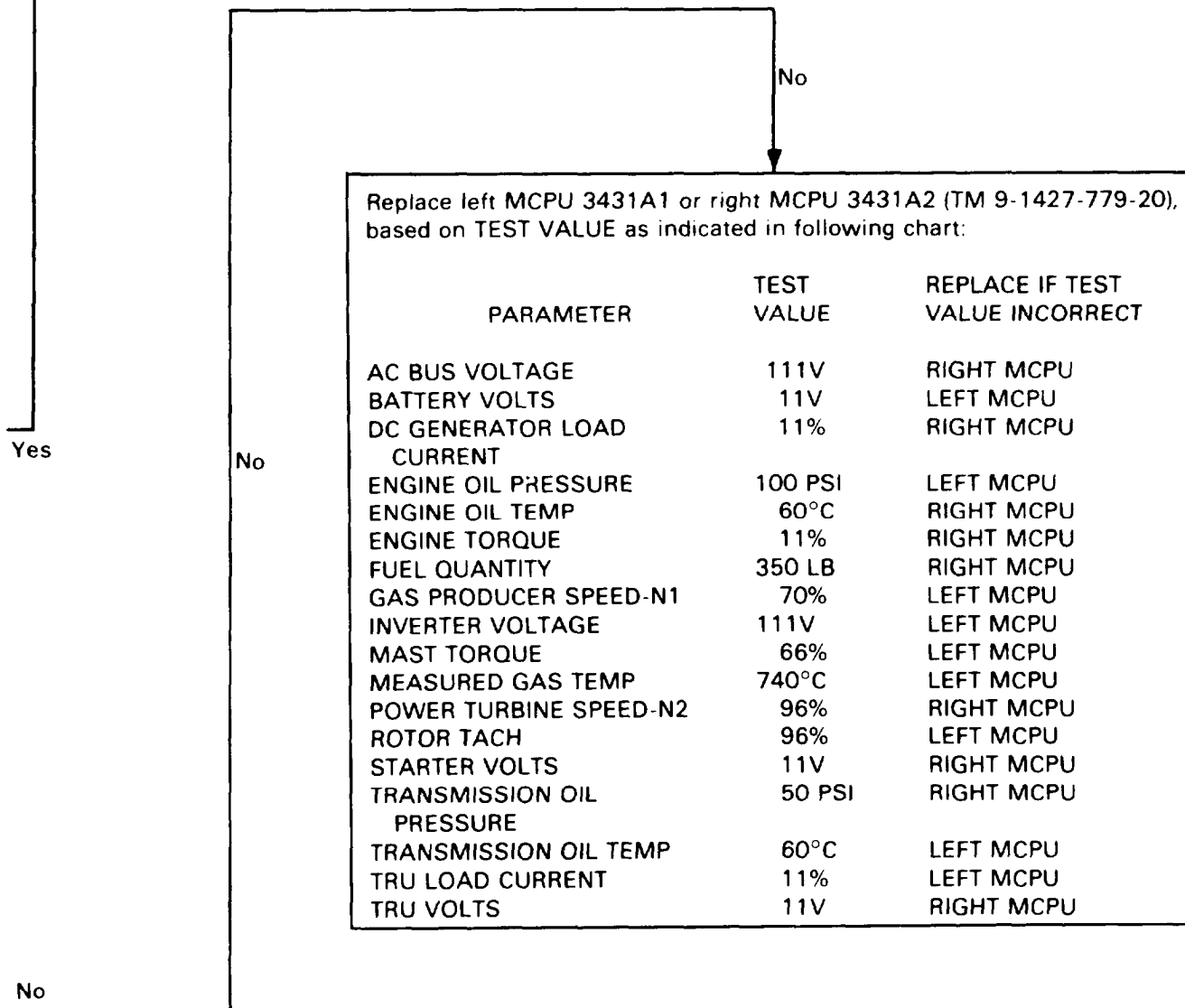


406475-325

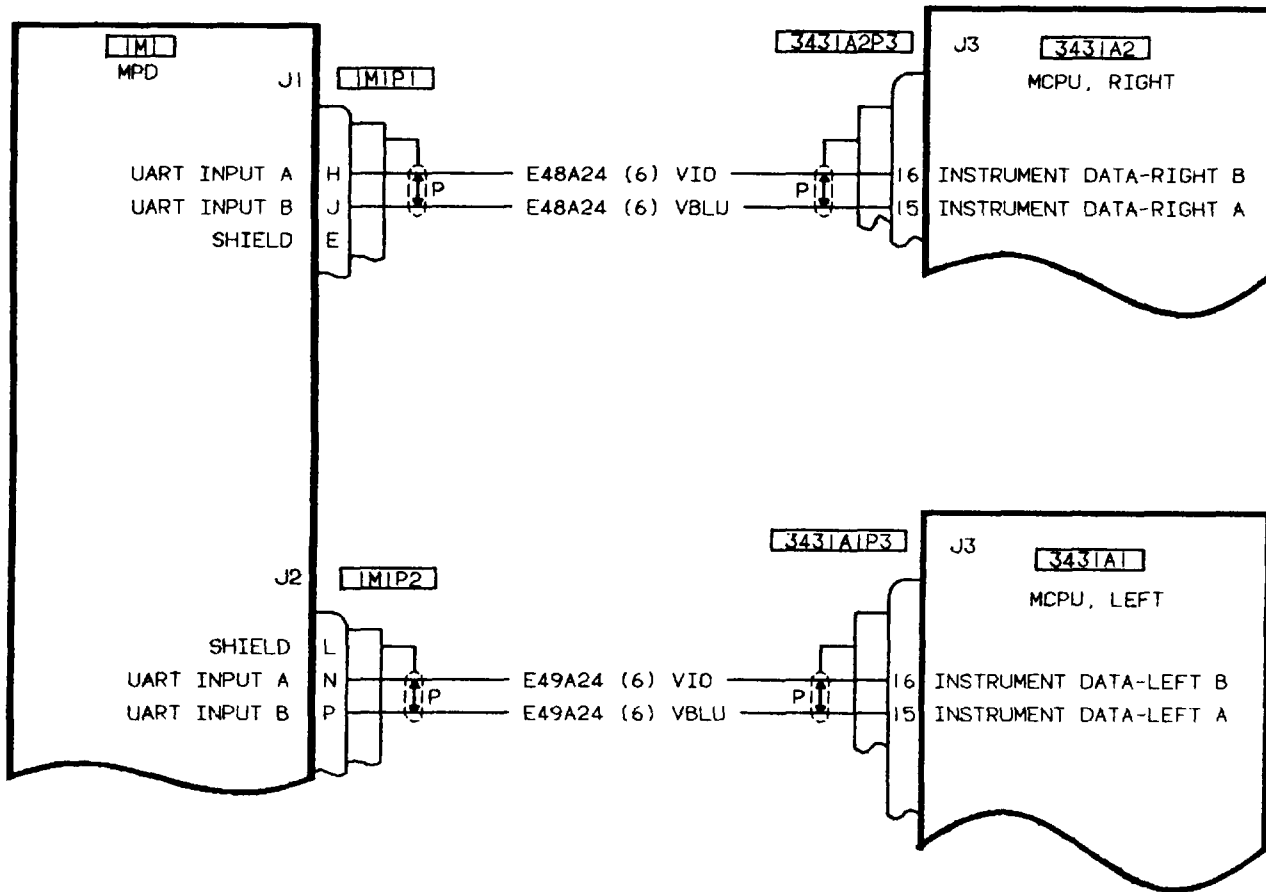
67. VERTICAL SCALE INSTRUMENT TEST PATTERN INCORRECT DURING MFD DISPLAY CHECK (CONT)

Yes → Replace right MCPU (TM 9-1427-779-20).

Yes → Replace left MCPU (TM 9-1427-779-20).



67. VERTICAL SCALE INSTRUMENT TEST PATTERN INCORRECT DURING MFD DISPLAY CHECK (CONT)

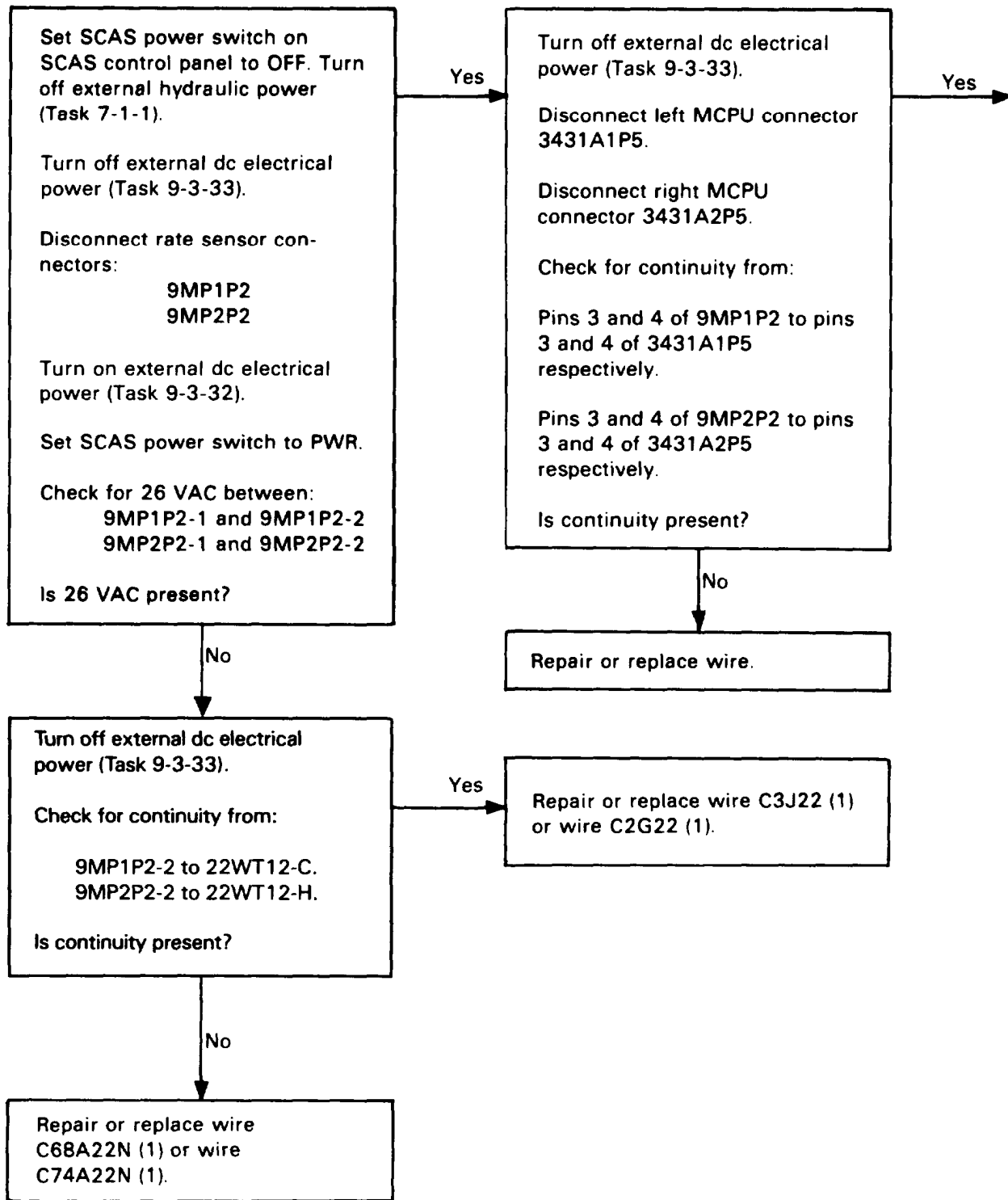


406475-319
H2087

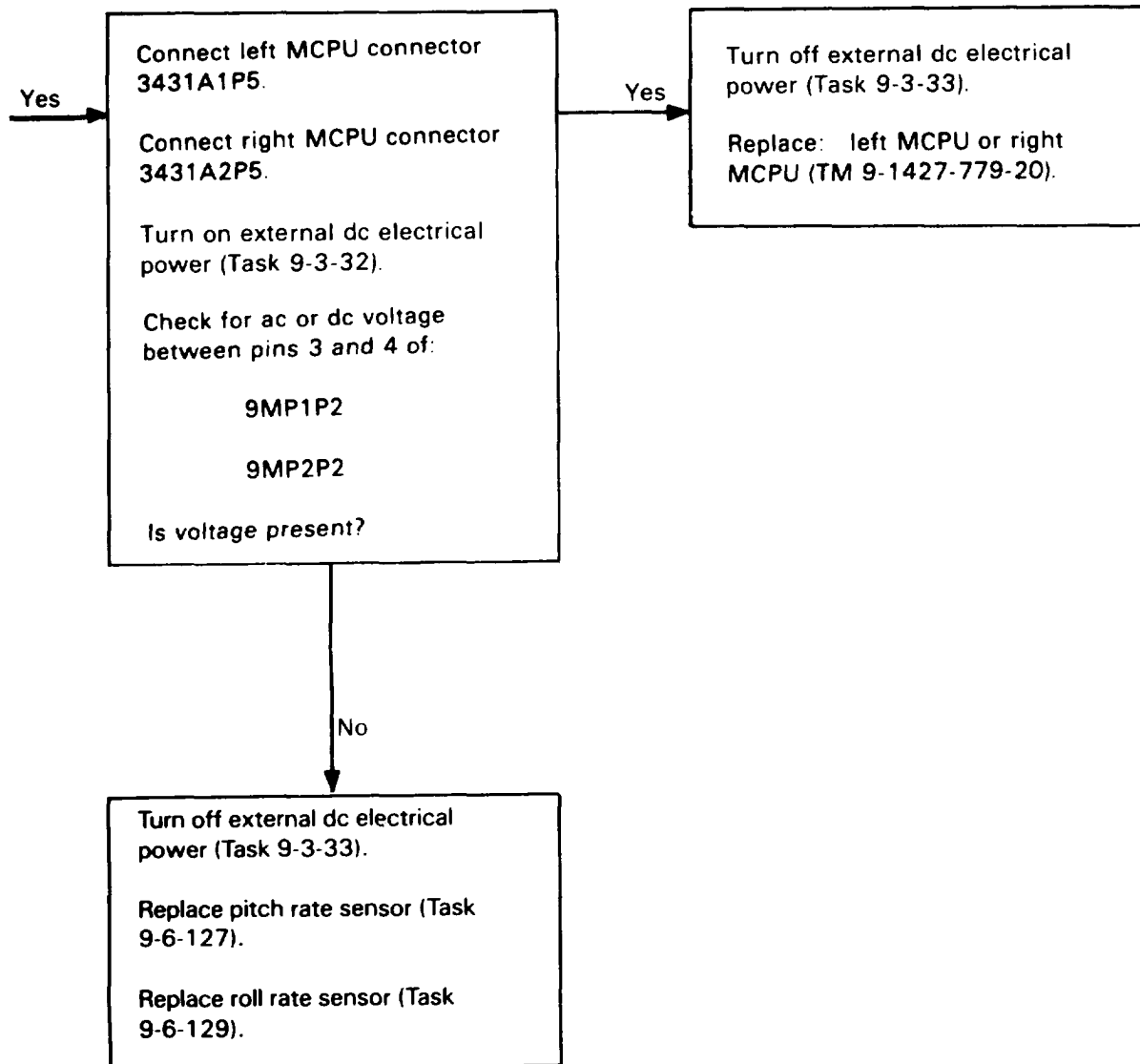
68. VOLTAGE REGULATOR CONTROL KNOB DOES NOT CHANGE BATT V INDICATION ON MPD

Replace the voltage regulator 2VR1 (task 9-3-43).

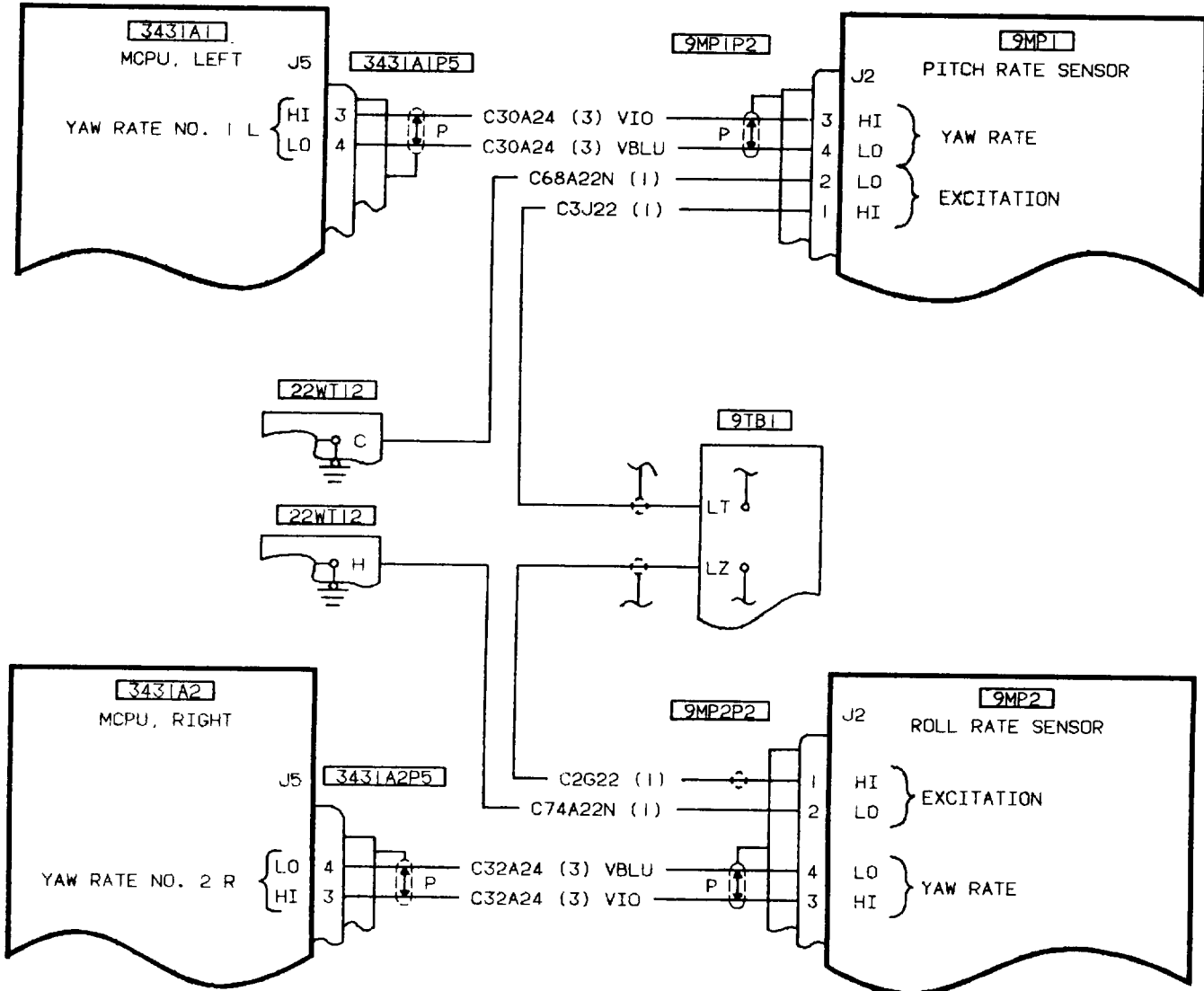
69. YAW RATE SENSOR FAILURE CODE 24 IS DISPLAYED ON MFD



69. YAW RATE SENSOR FAILURE CODE 24 IS DISPLAYED ON MFD (CONT)



69. YAW RATE SENSOR FAILURE CODE 24 IS DISPLAYED ON MFD (CONT)



406475-310
H2087

70. BATTERY 1 HALF VOLTAGE (APPROXIMATELY) NOT PRESENT AT CONNECTOR 2BT1J2-9

Turn off external dc electrical
power (Task 9-3-33).

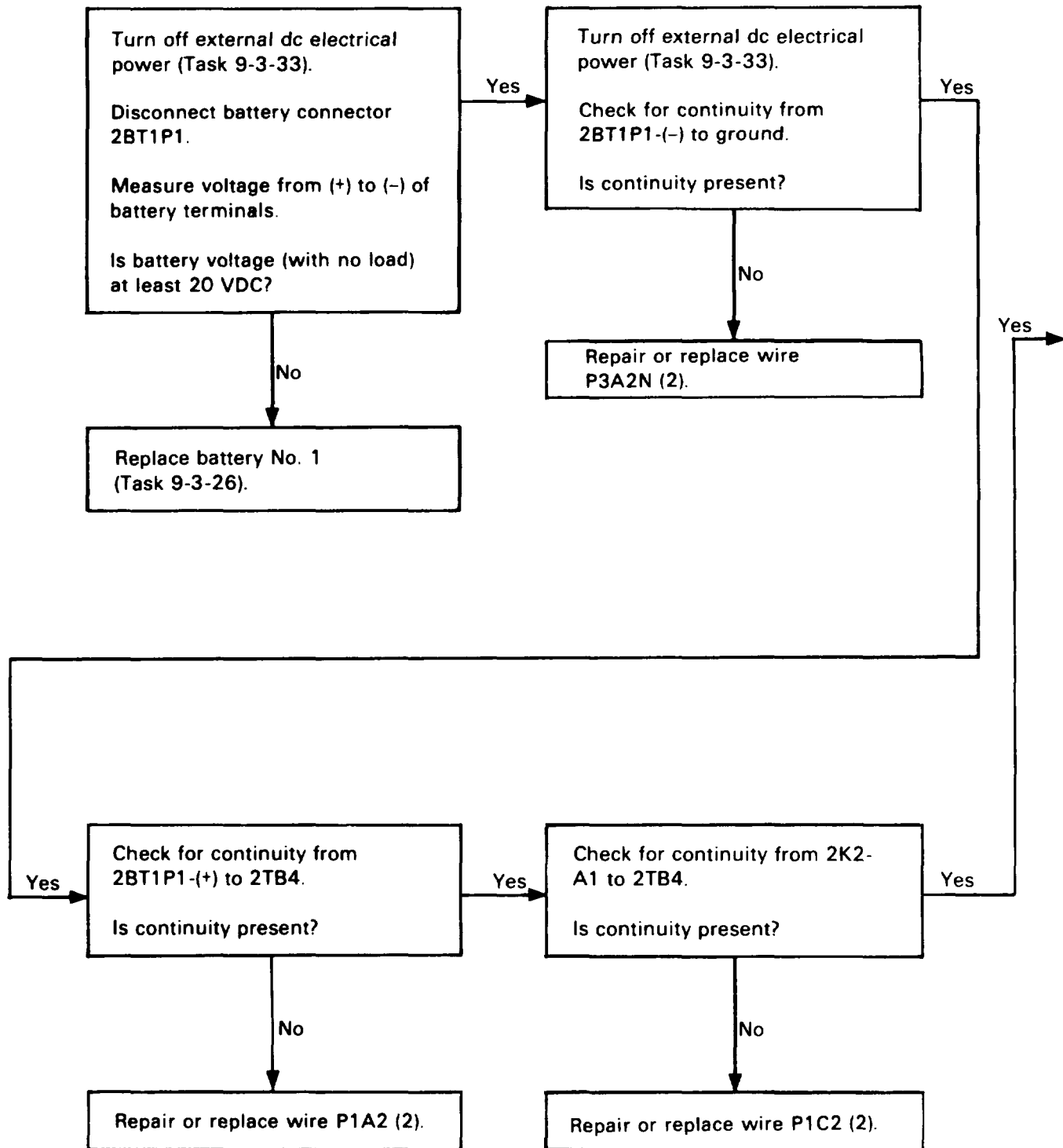
Replace battery No. 1
(Task 9-3-26).

71. BATTERY 2 HALF VOLTAGE (APPROXIMATELY) NOT PRESENT AT CONNECTOR 2BT2J2-9

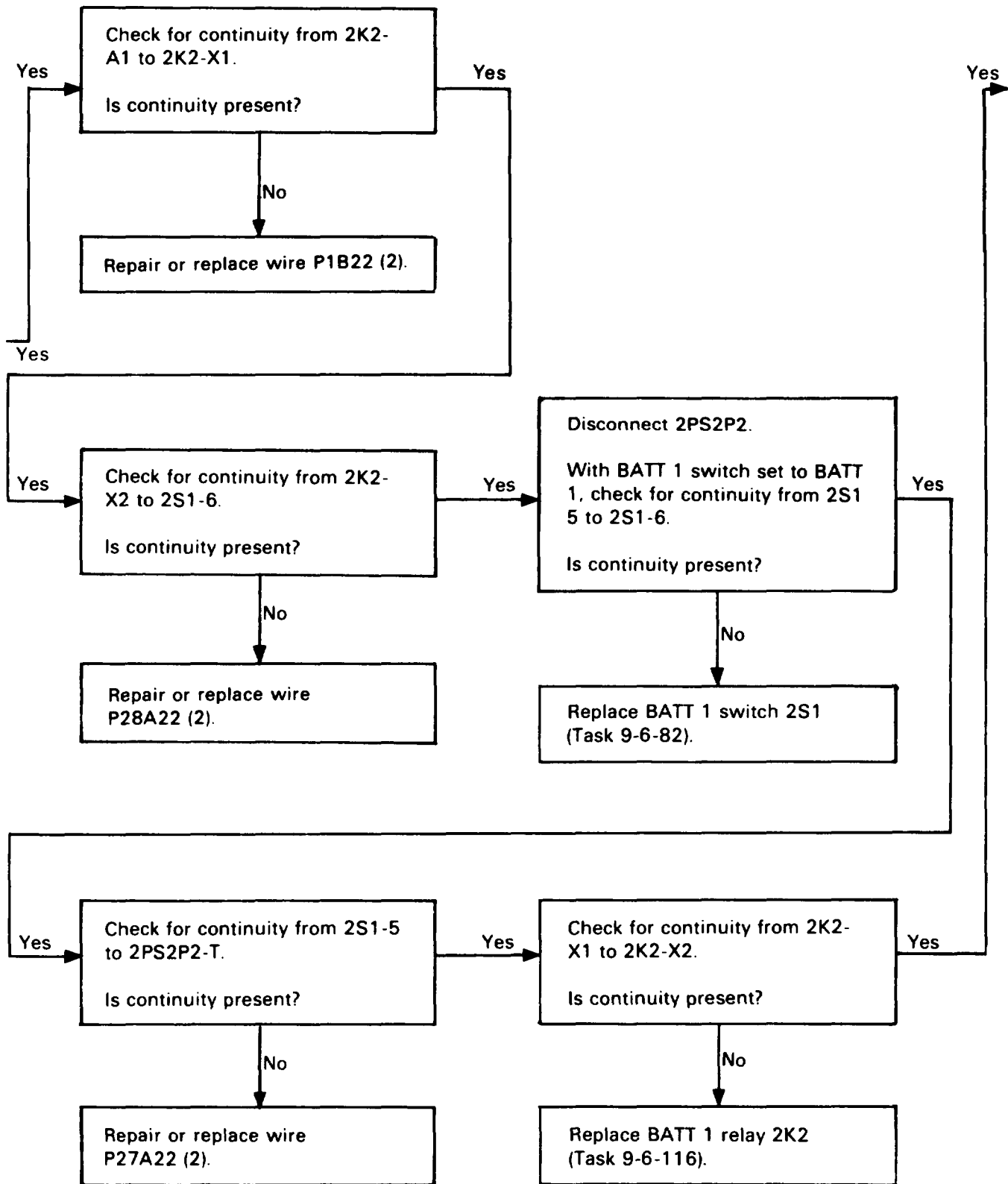
Turn off external dc electrical power (Task 9-3-33).

Replace battery No. 2 (Task 9-3-26).

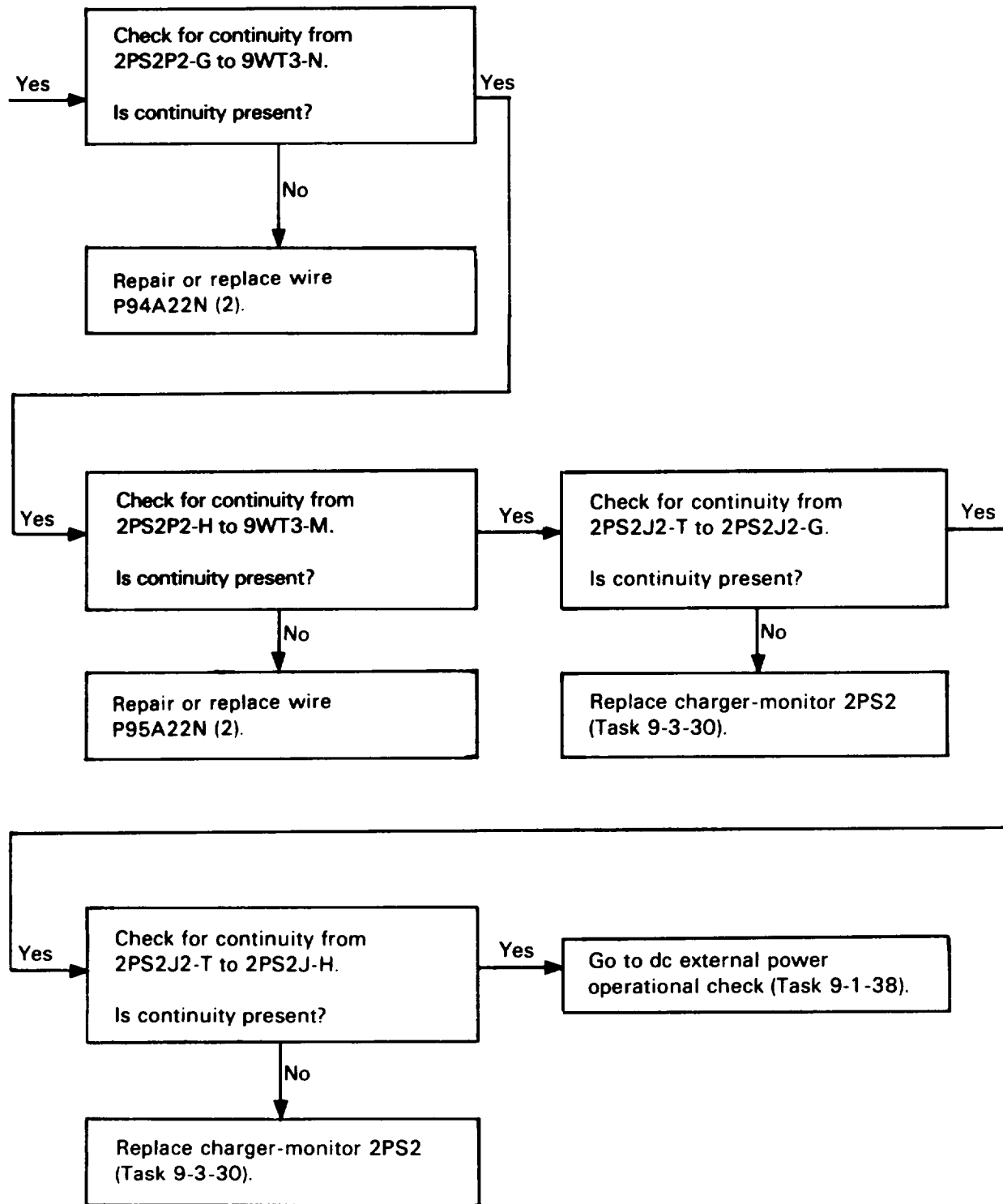
72. BATTERY 1 WILL NOT COME ON (BATT 1 SWITCH IS SET TO BATT 1)



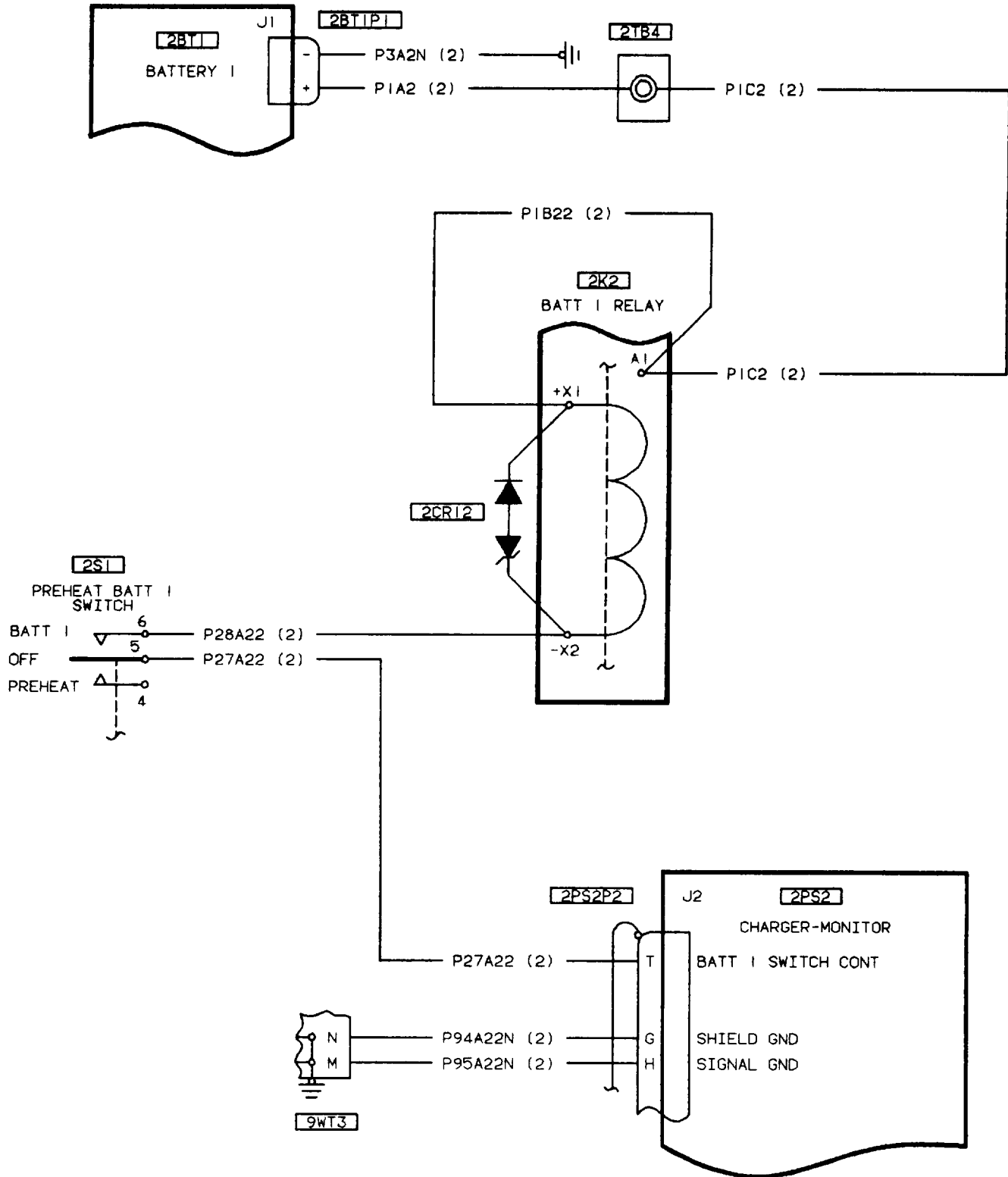
72. BATTERY 1 WILL NOT COME ON (BATT 1 SWITCH IS SET TO BATT 1) (CONT)



72. BATTERY 1 WILL NOT COME ON (BATT 1 SWITCH IS SET TO BATT 1) (CONT)

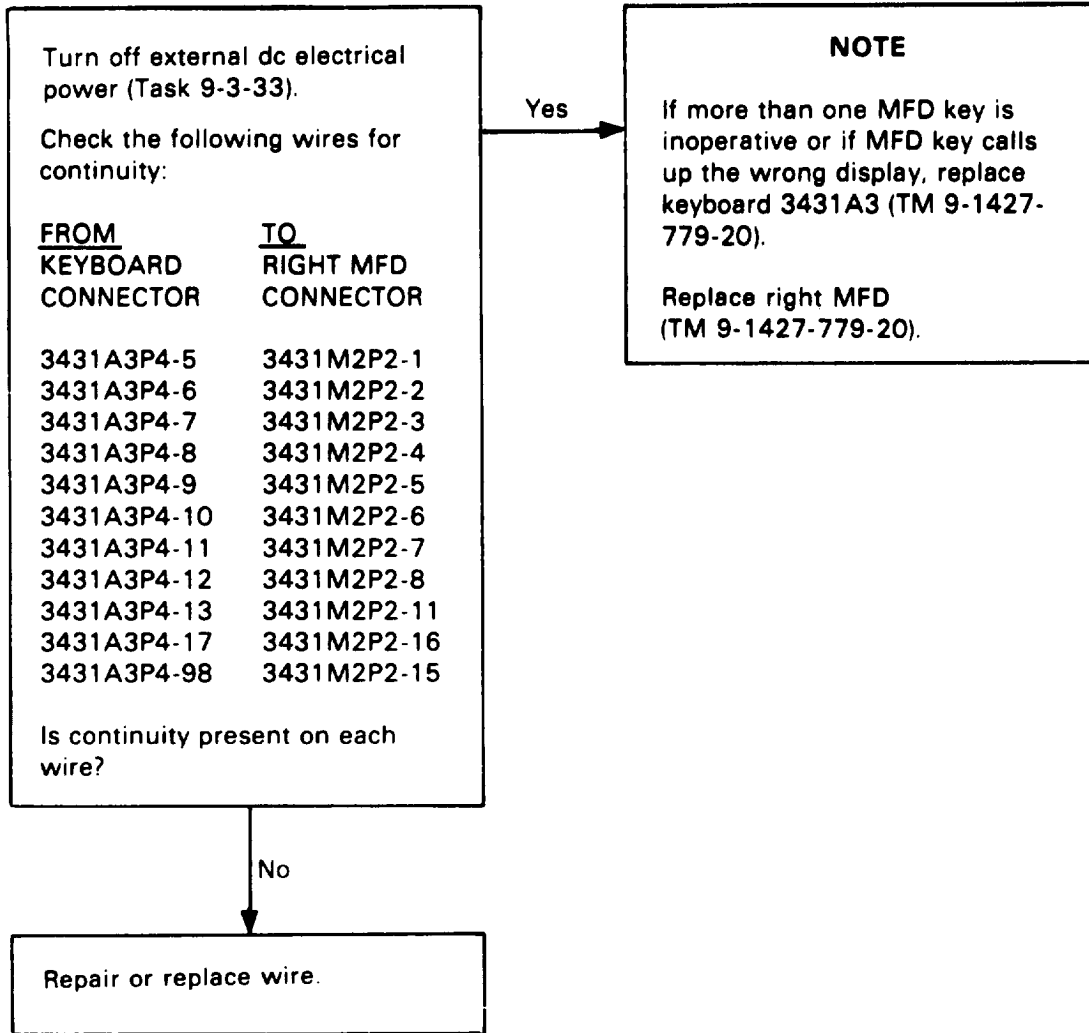


72. BATTERY 1 WILL NOT COME ON (BATT 1 SWITCH IS SET TO BATT 1) (CONT)

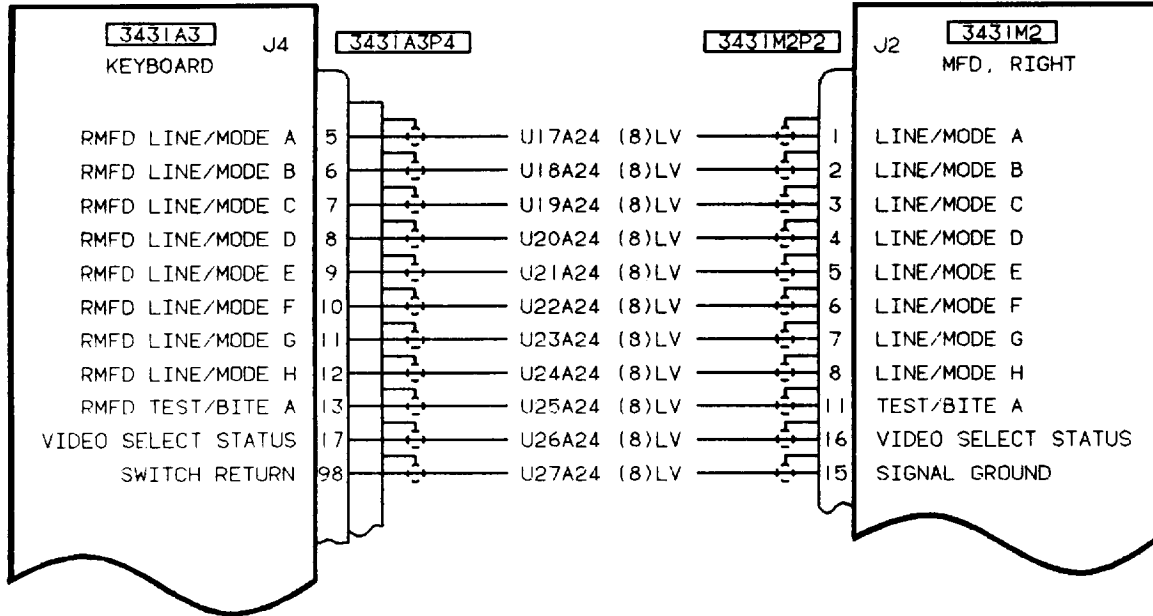


406475-324

73. MFD (PILOT) KEY HAS NO RESPONSE DURING SWITCH CHECK

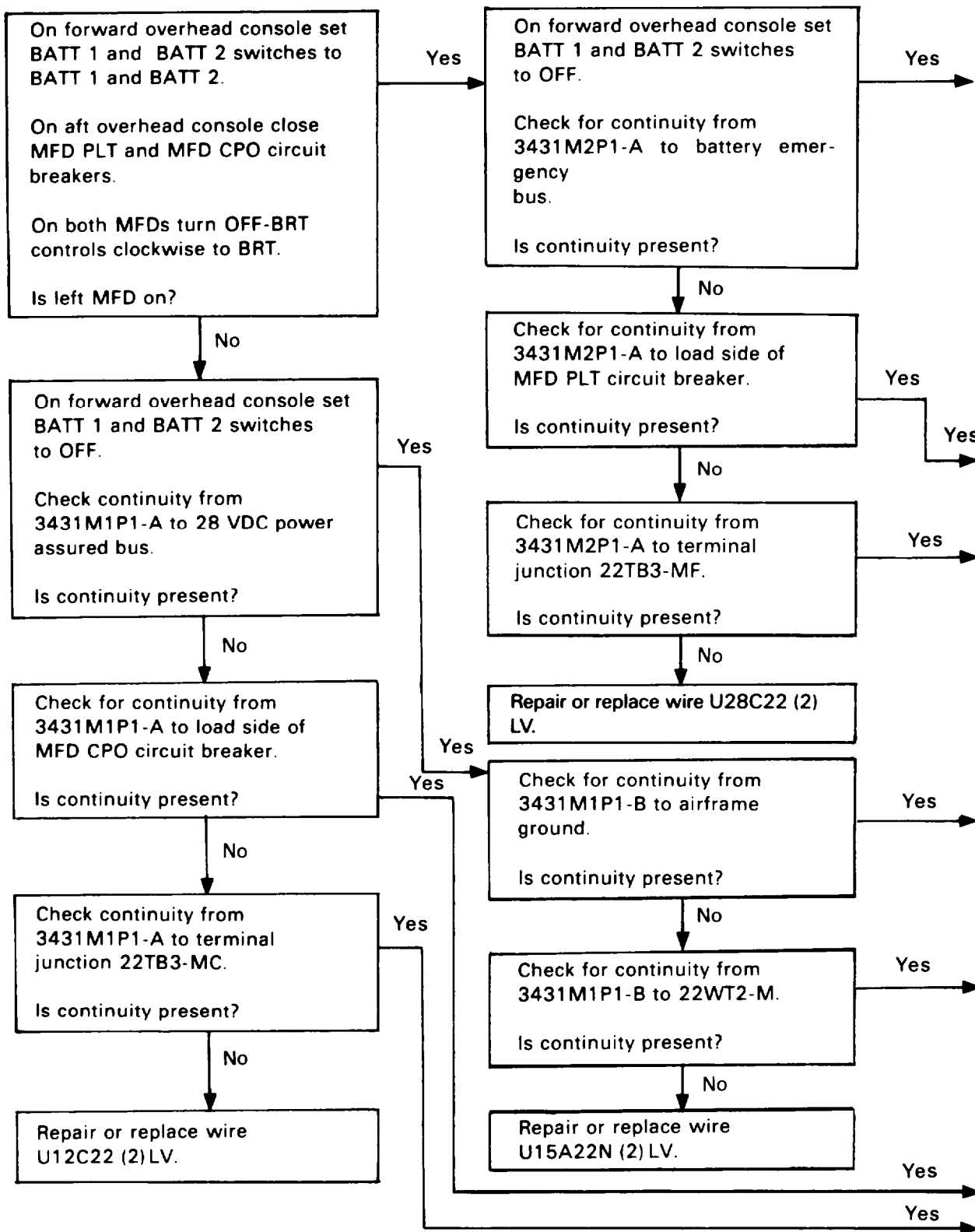


73. MFD (PILOT) KEY HAS NO RESPONSE DURING SWITCH CHECK (CONT)

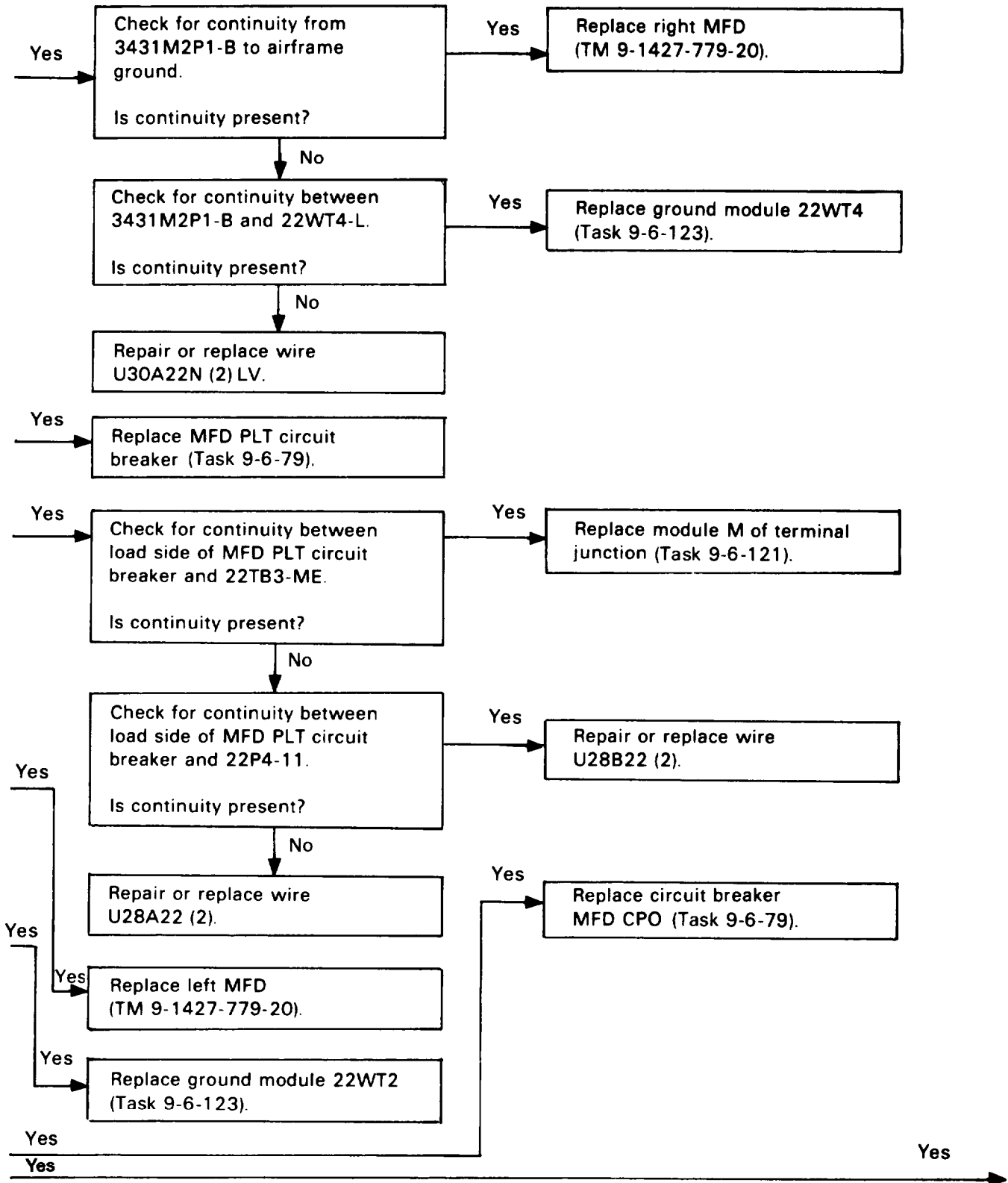


406475-322

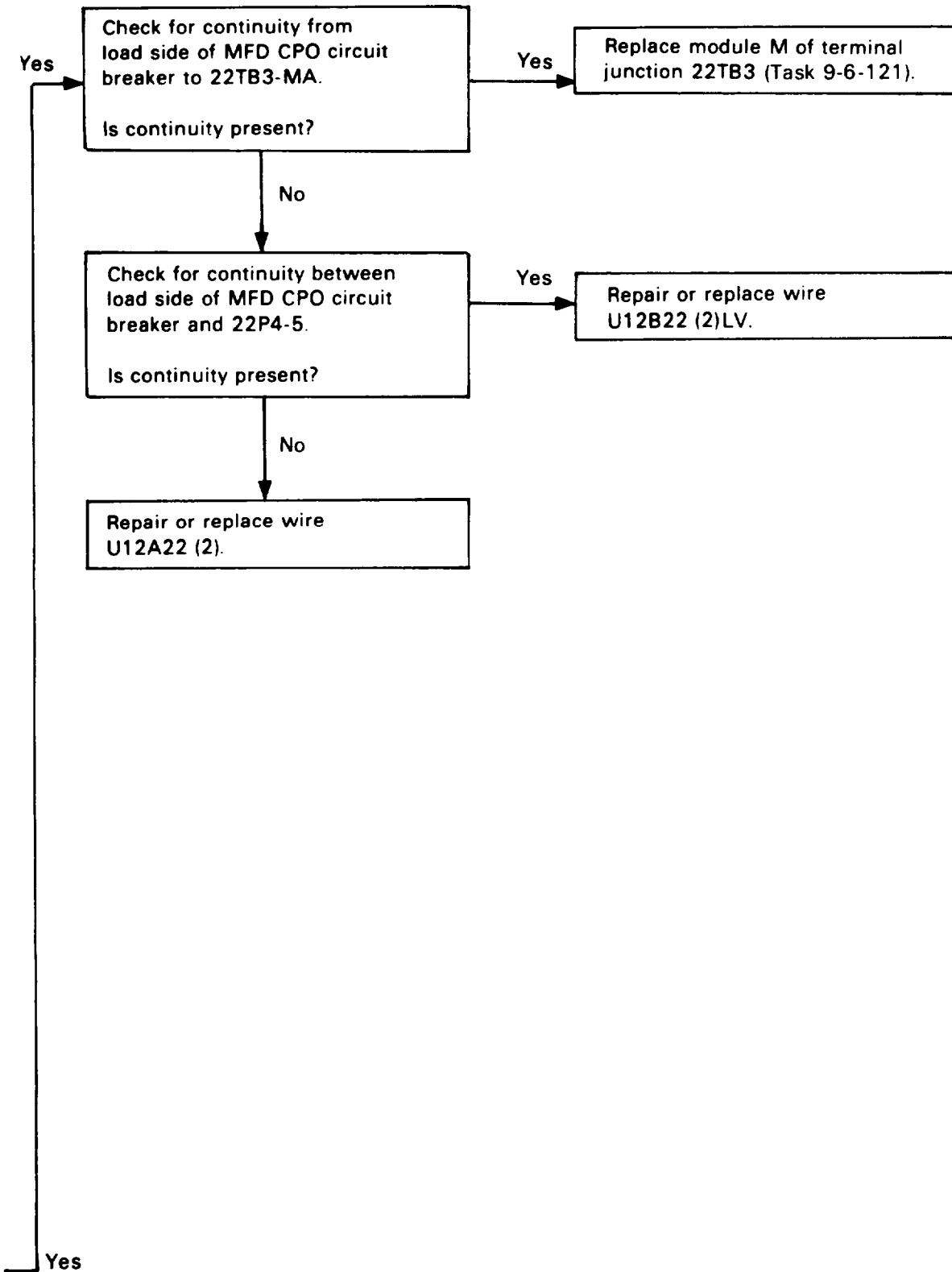
74. MFD DOES NOT COME ON (BATTERY 1 OR BATTERY 2 ON)



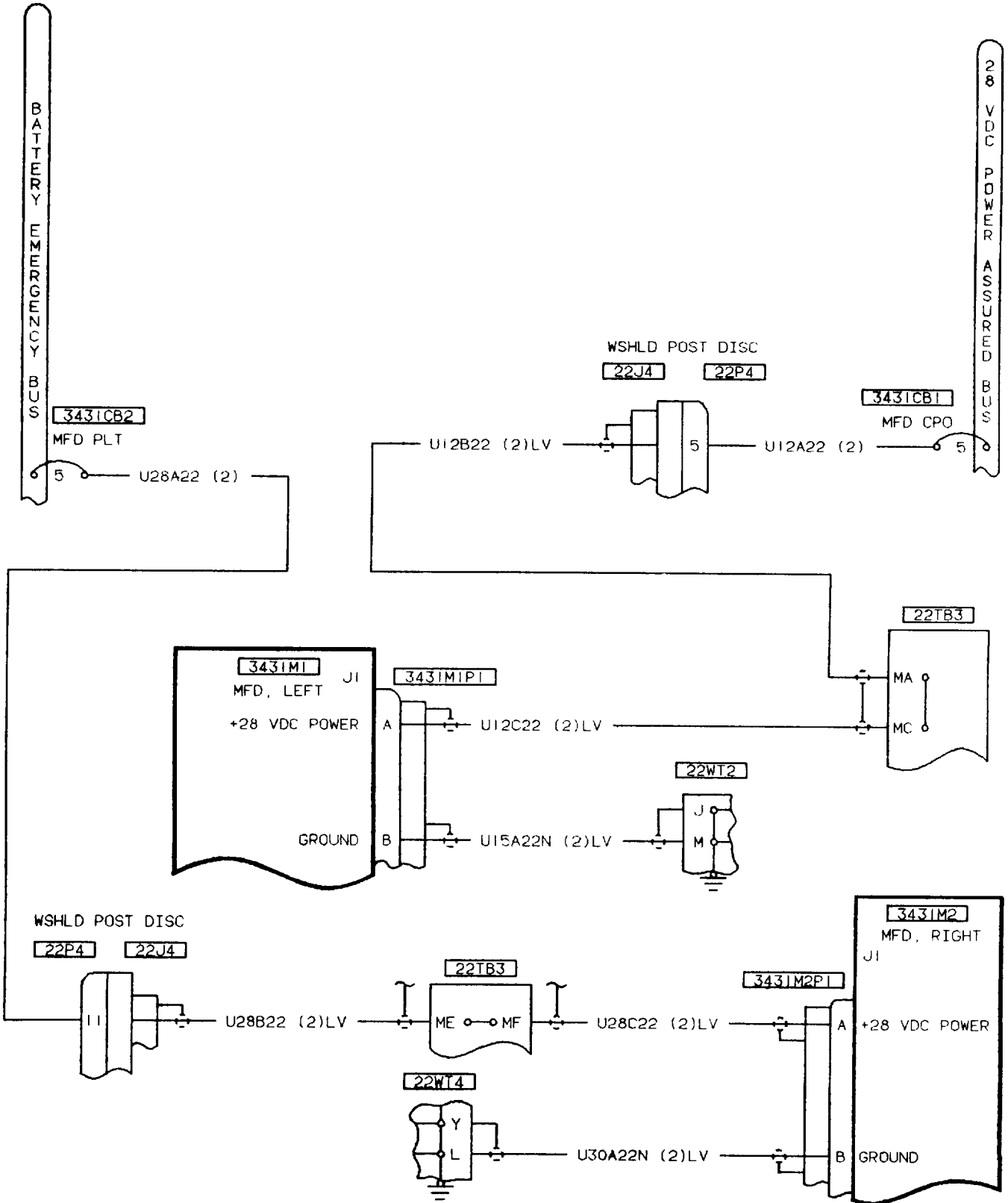
74. MFD DOES NOT COME ON (BATTERY 1 OR BATTERY 2 ON) (CONT)



74. MFD DOES NOT COME ON (BATTERY 1 OR BATTERY 2 ON) (CONT)

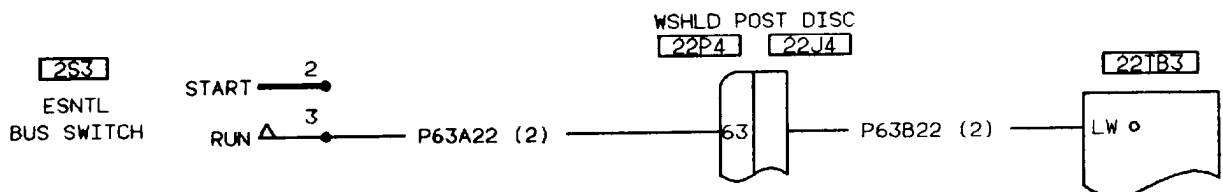
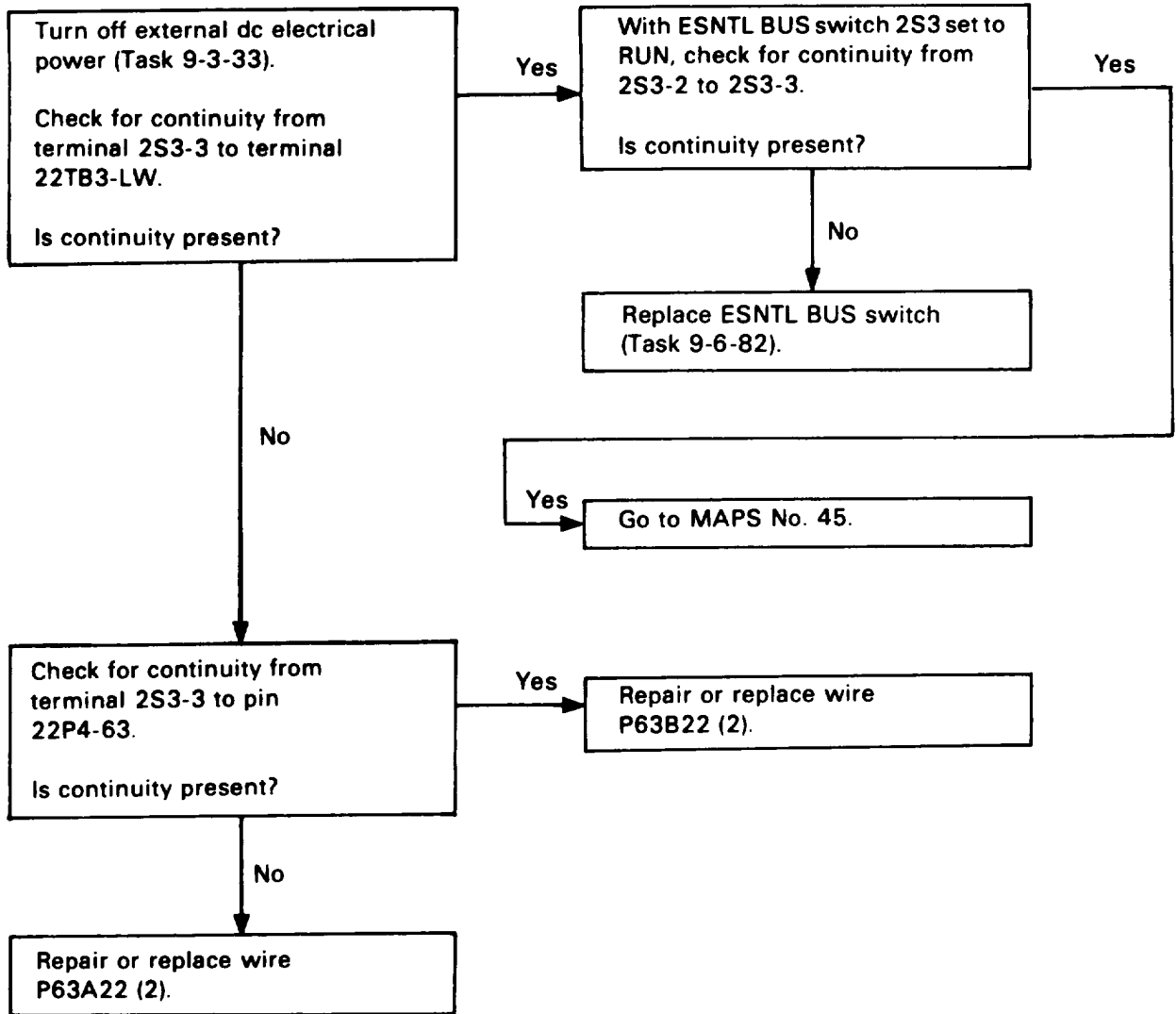


74. MFD DOES NOT COME ON (BATTERY 1 OR BATTERY 2 ON) (CONT)



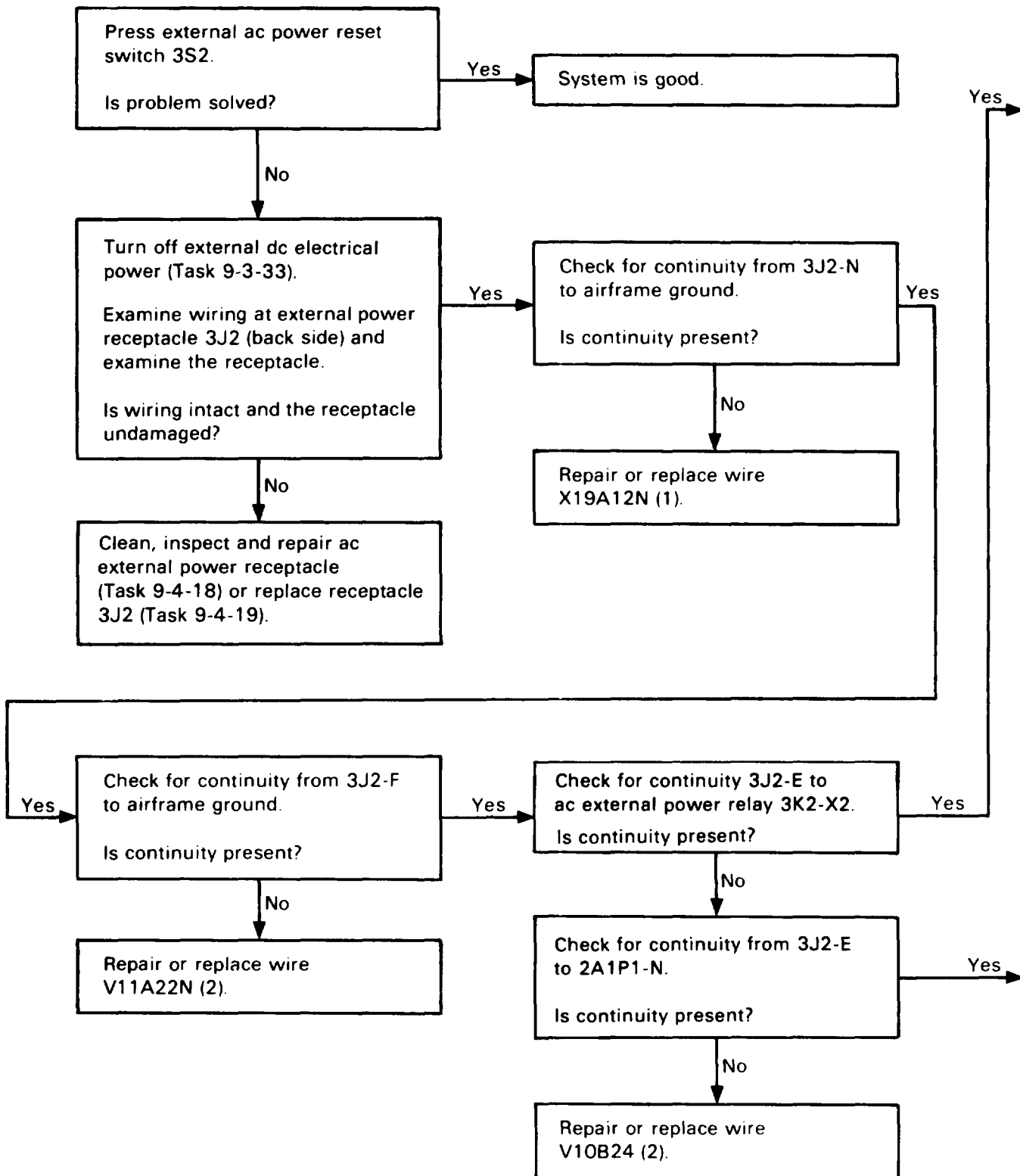
406475-331
H2087

75. MFD CPO DOES NOT COME ON (BATT 2 SWITCH SET TO BATT 2)

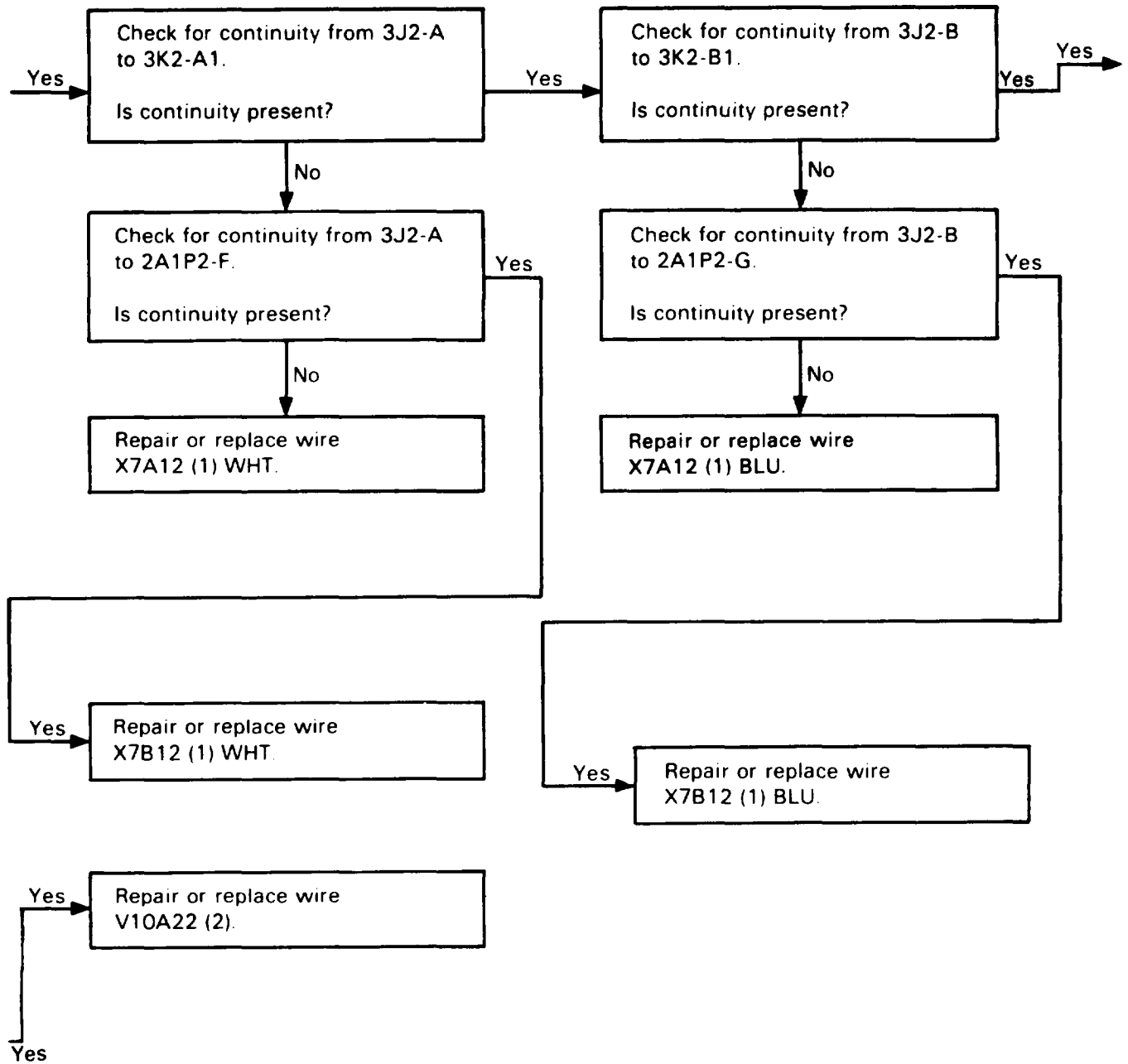


405475-399

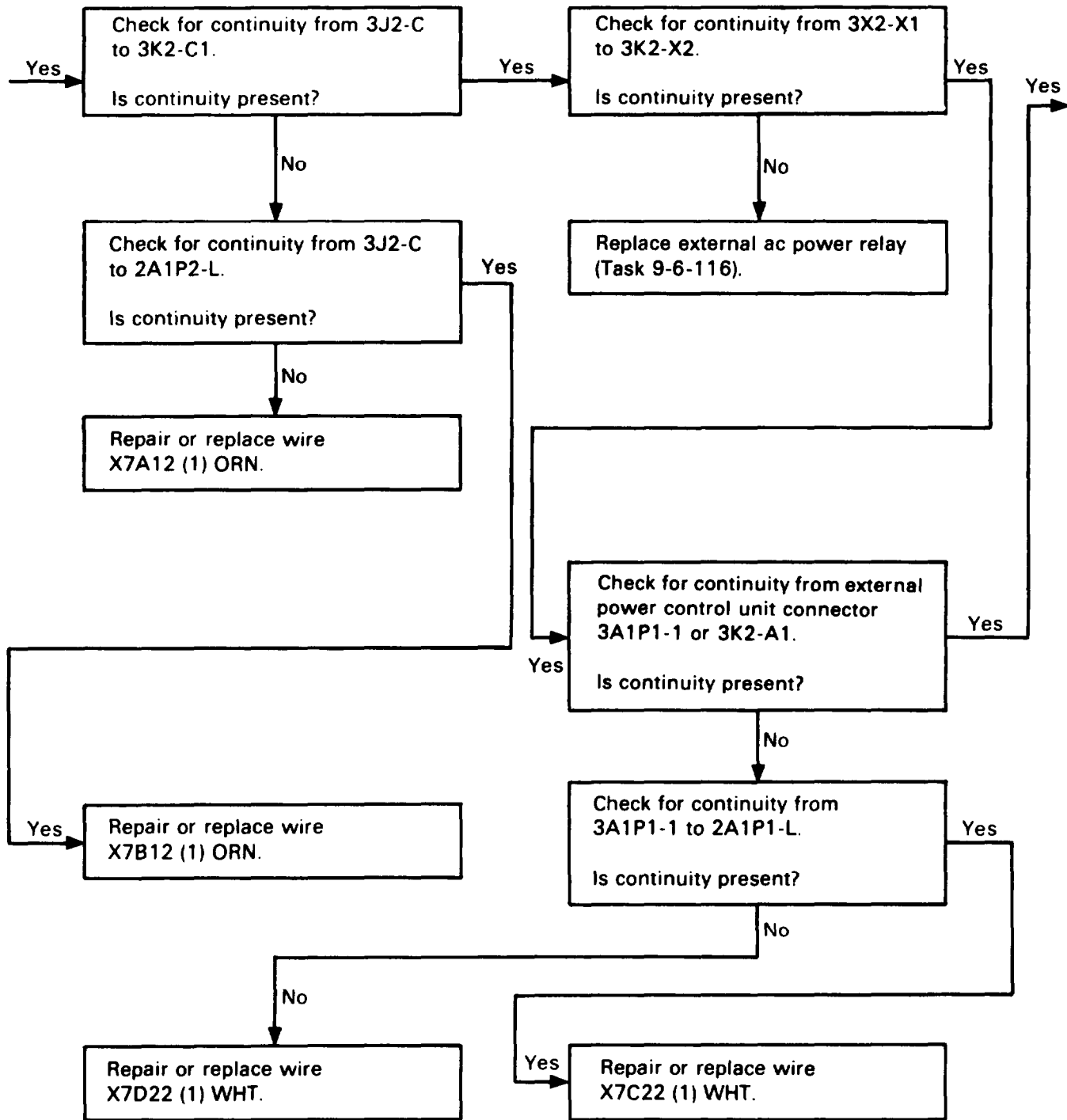
**76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE
(AC EXTERNAL POWER ON)**



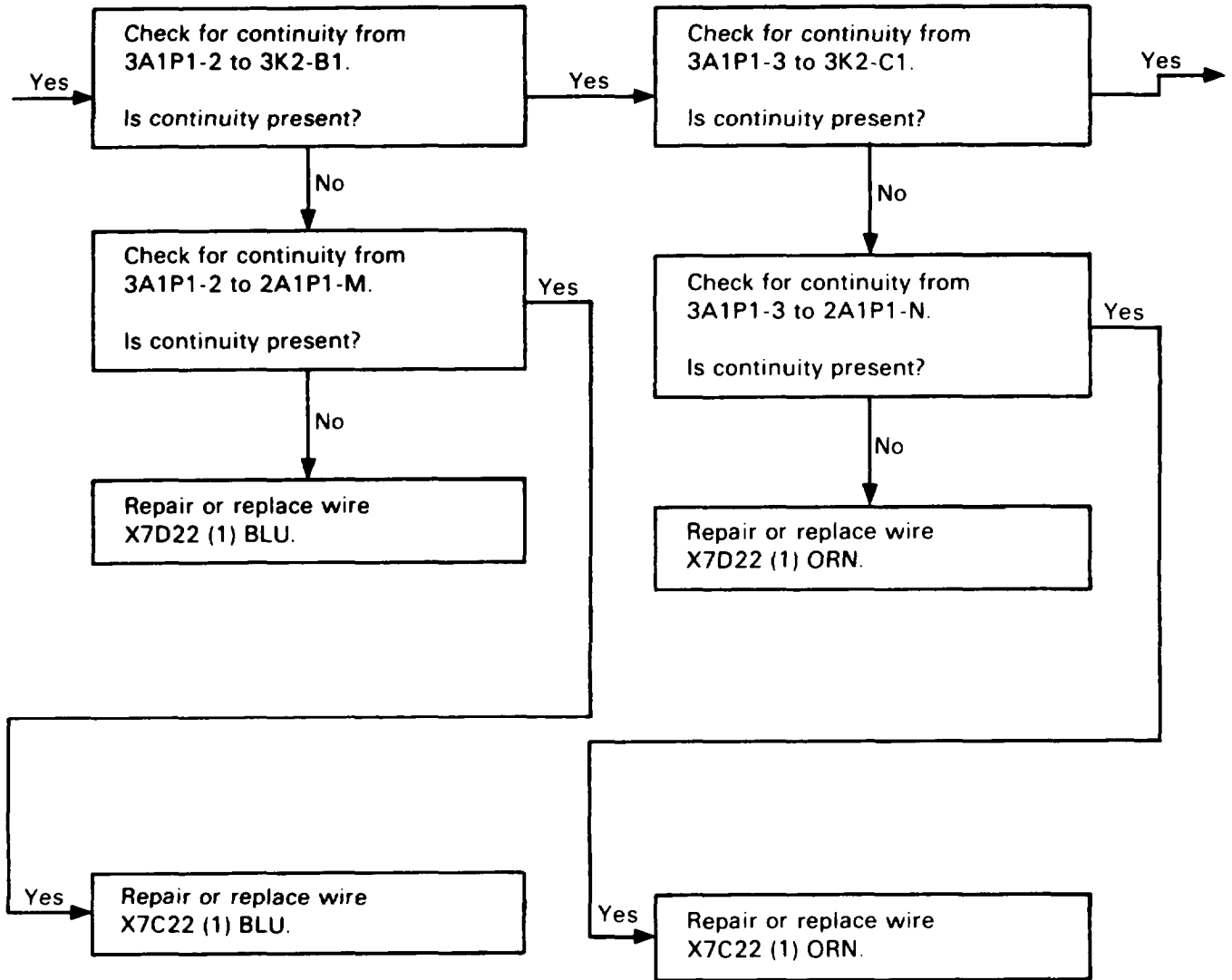
76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE
(AC EXTERNAL POWER ON) (CONT)



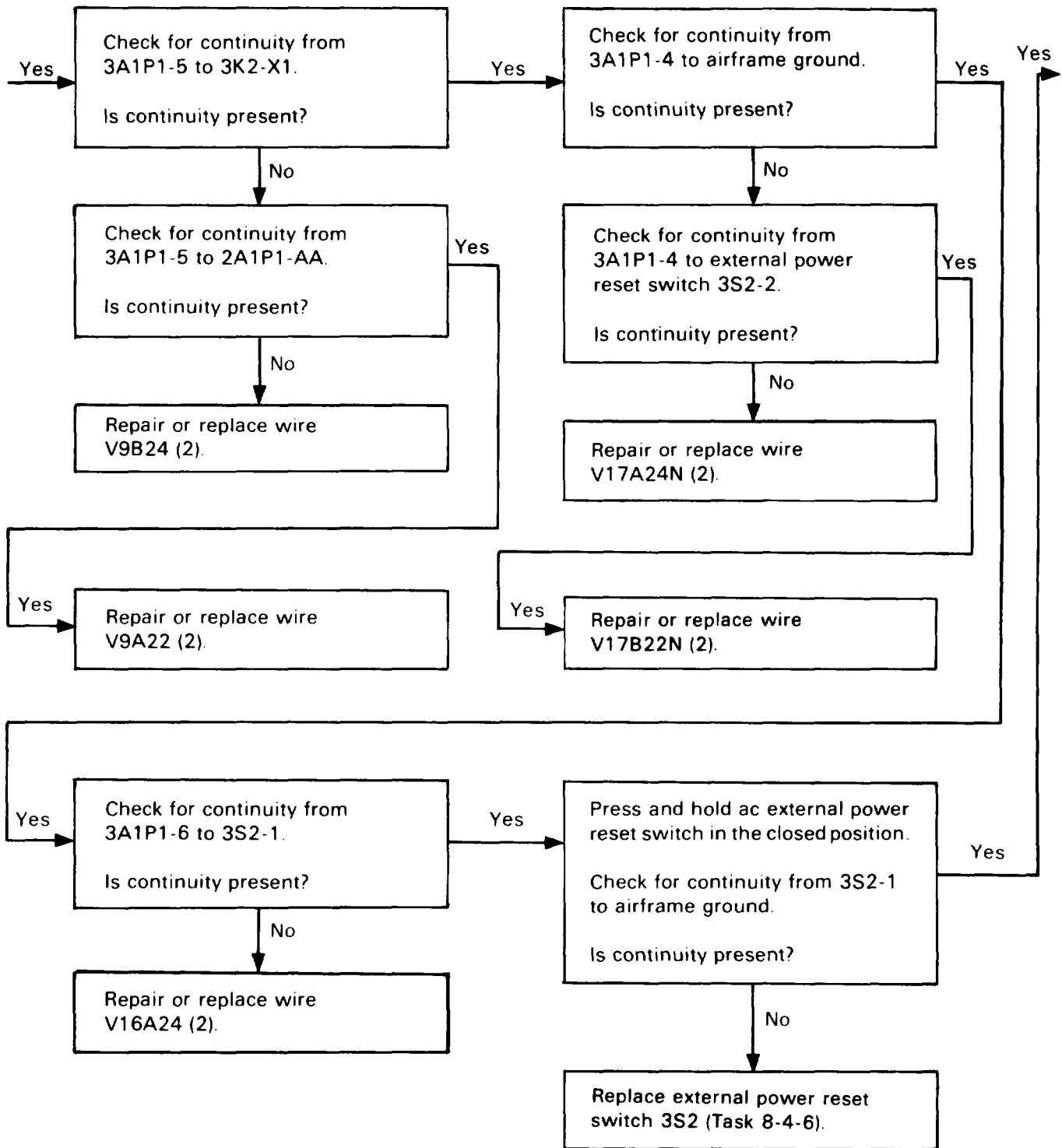
**76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE
(AC EXTERNAL POWER ON) (CONT)**



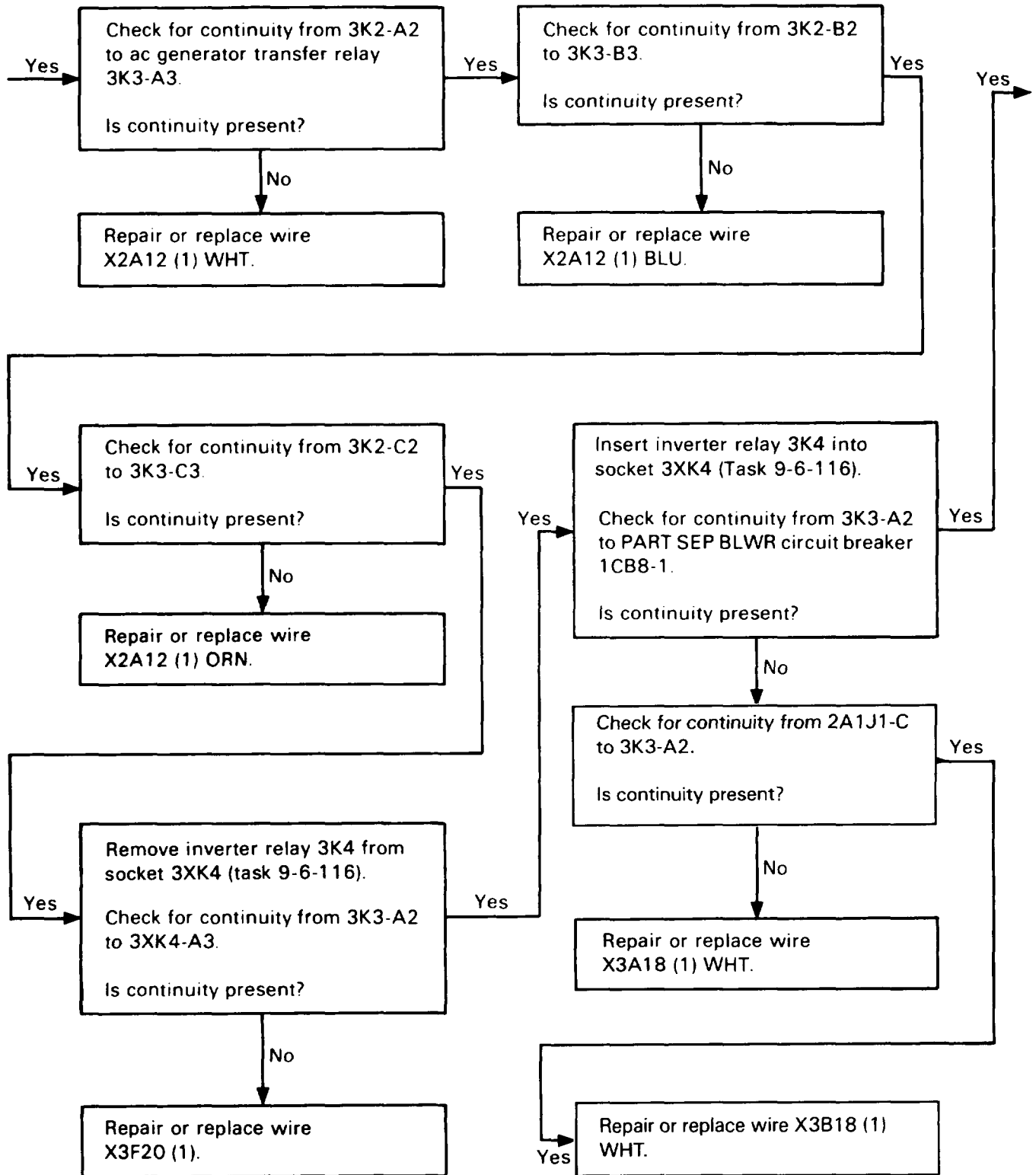
76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE
(AC EXTERNAL POWER ON) (CONT)



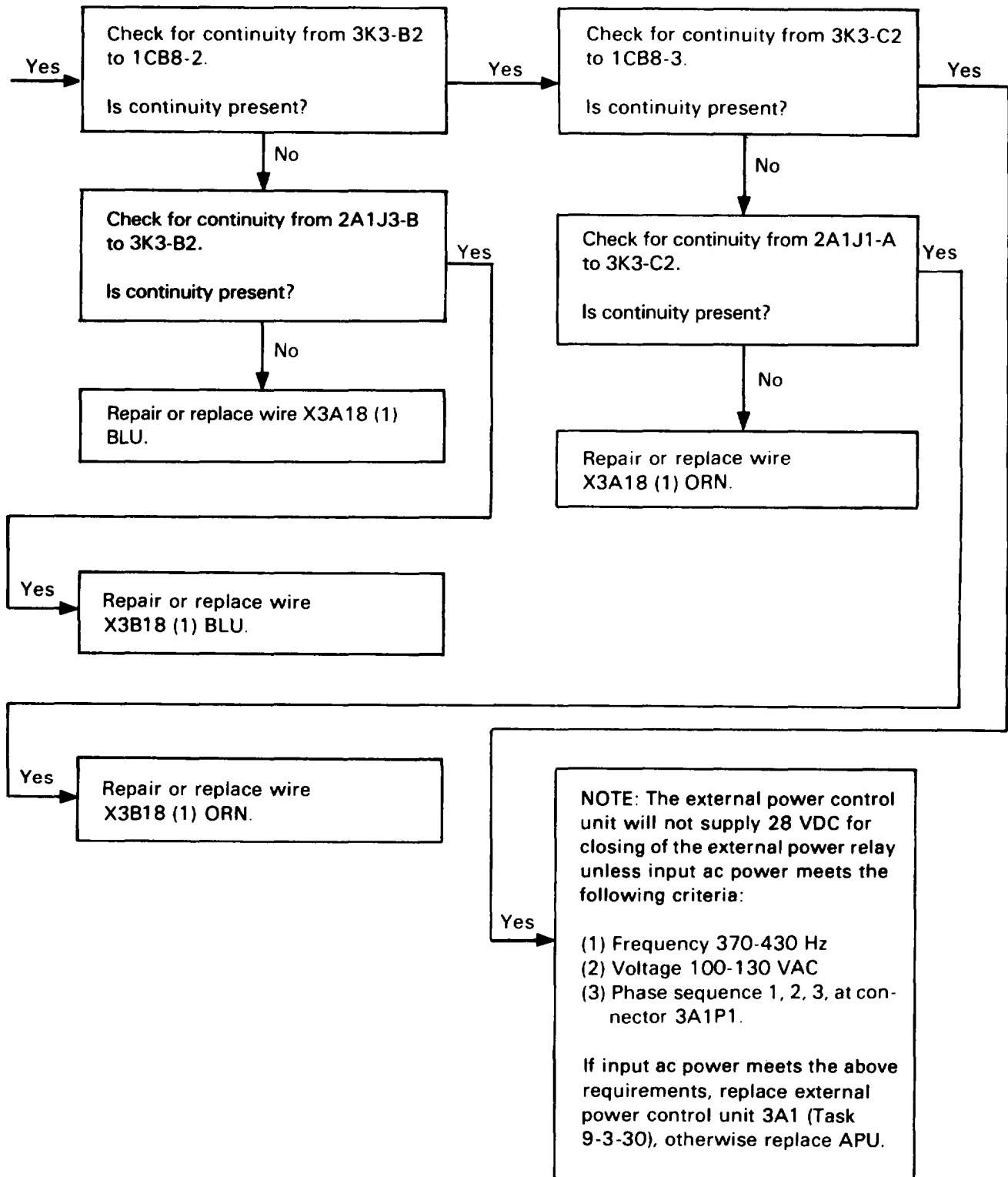
76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE (AC EXTERNAL POWER ON) (CONT)



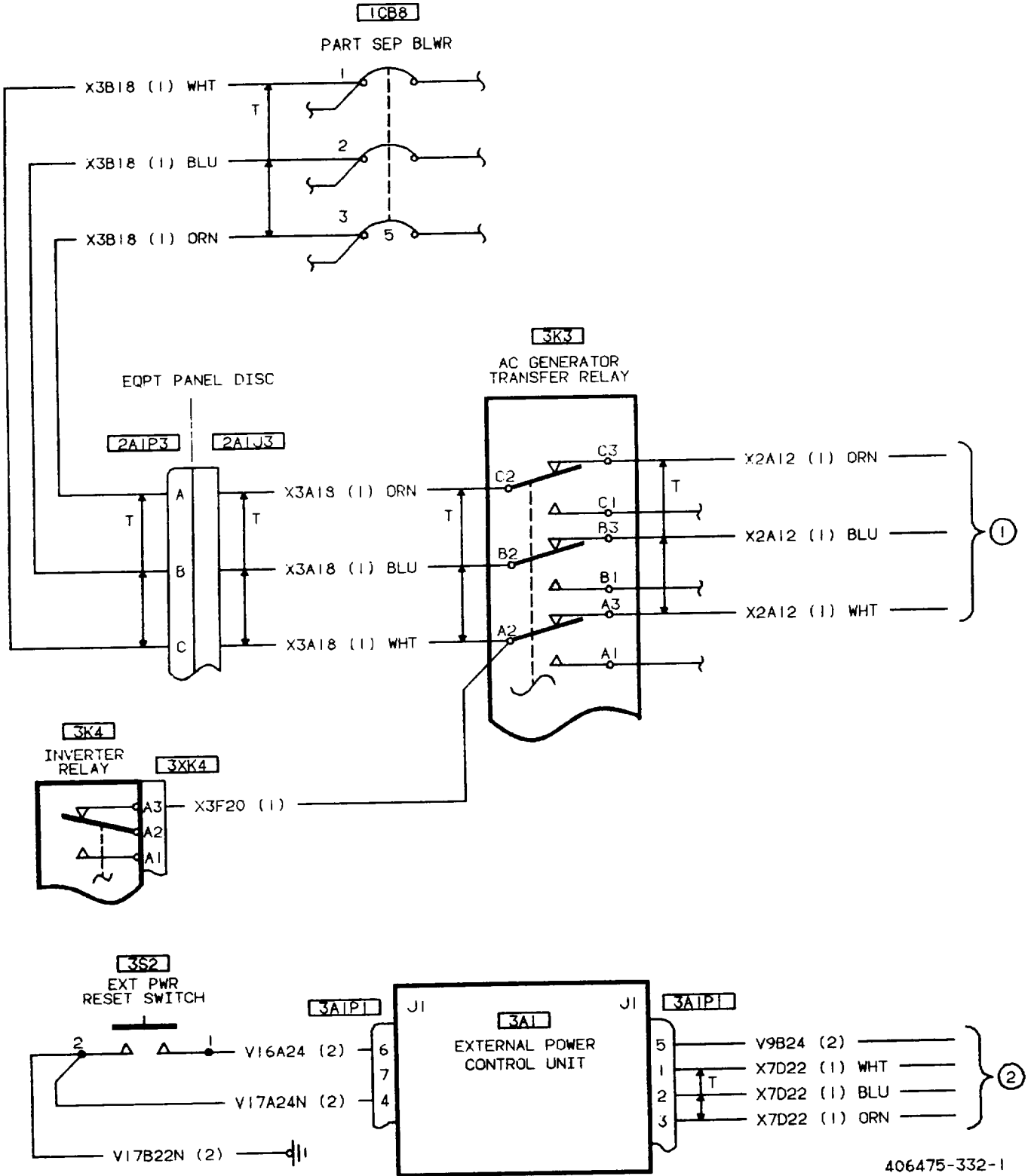
**76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE
(AC EXTERNAL POWER ON) (CONT)**



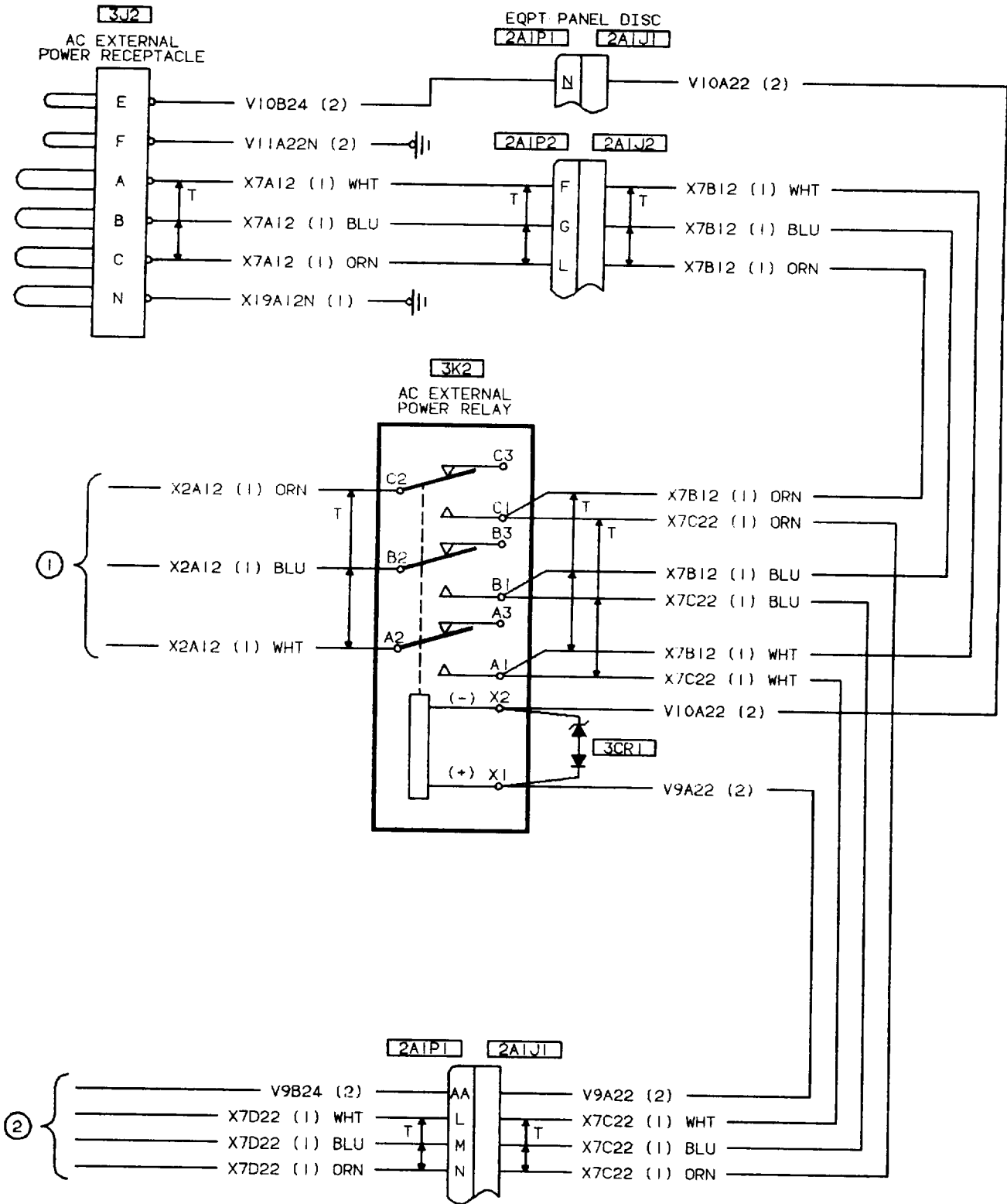
76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE
(AC EXTERNAL POWER ON) (CONT)



**76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE
(AC EXTERNAL POWER ON) (CONT)**

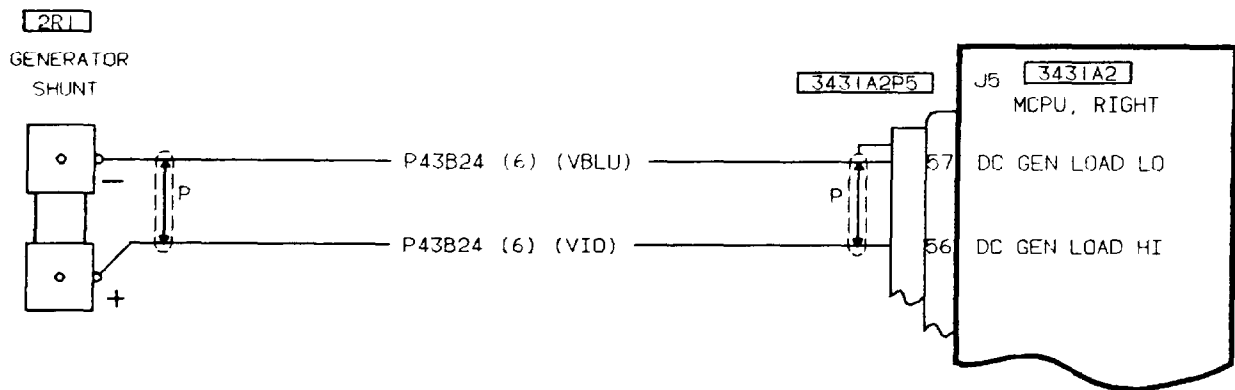
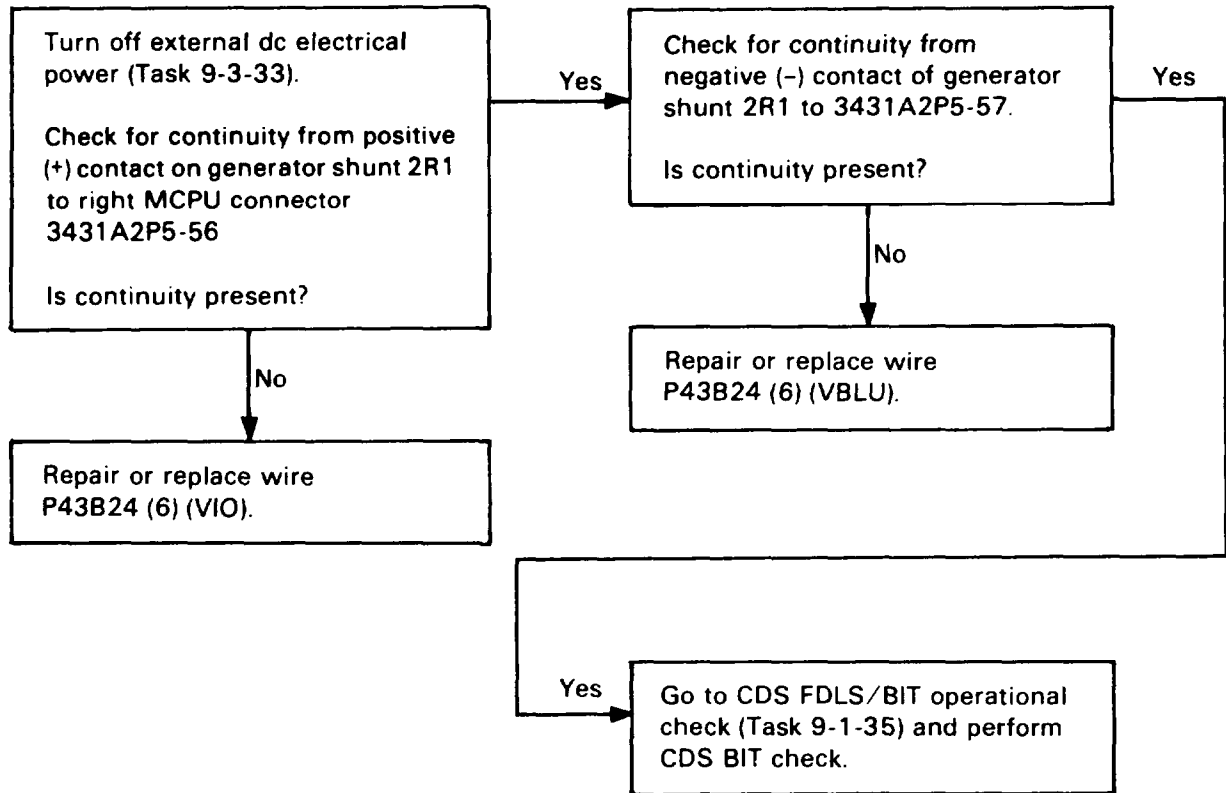


76. MPD DOES NOT INDICATE 115 AND PARTICLE SEPARATOR DOES NOT OPERATE
(AC EXTERNAL POWER ON) (CONT)



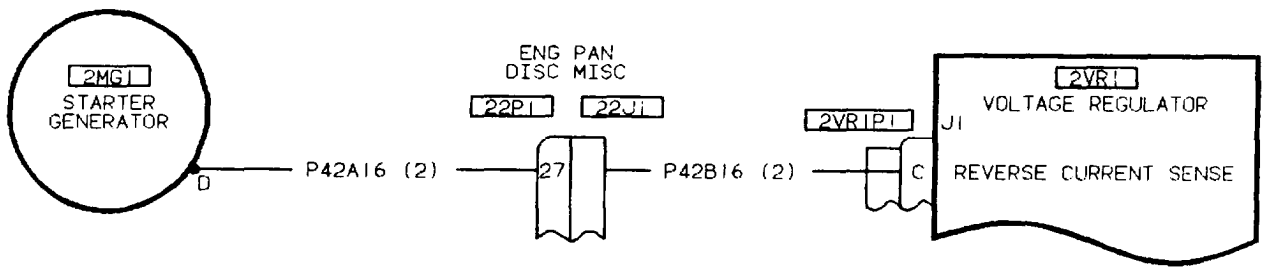
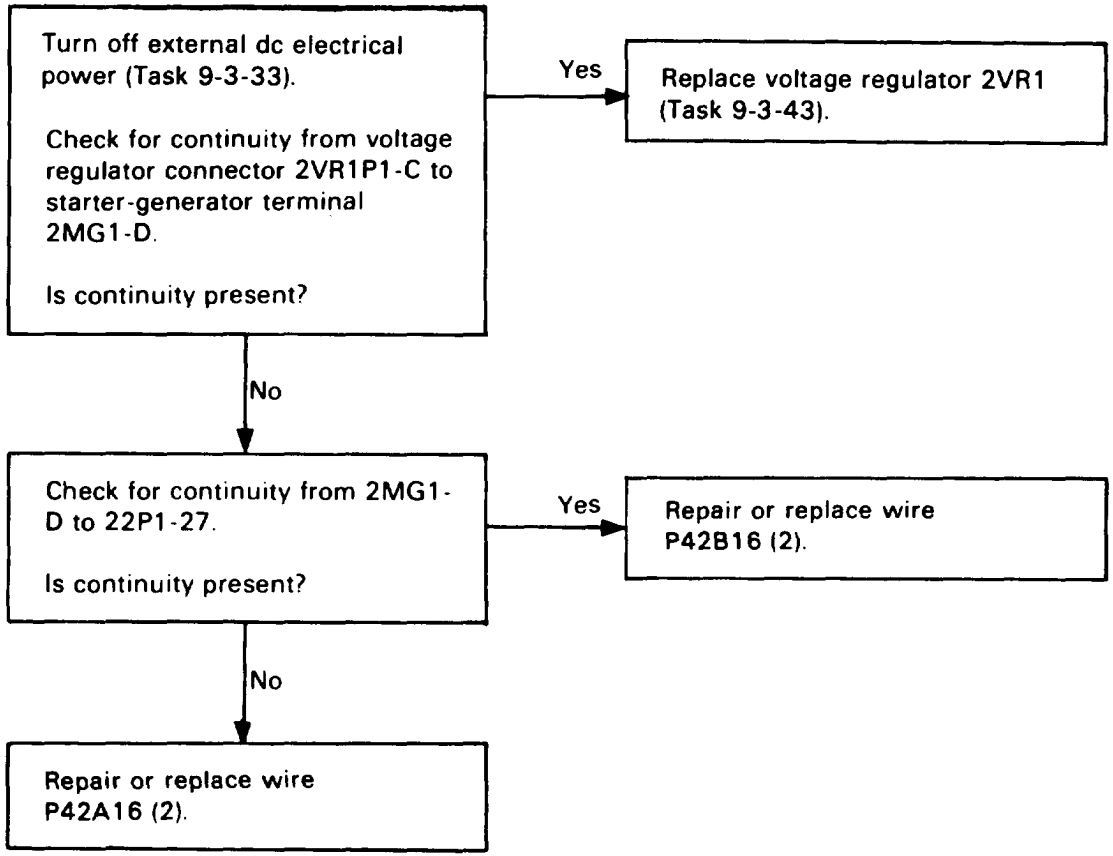
406475-332-2

77. STARTER-GENERATOR PERCENT LOAD DOES NOT APPEAR ON MPD



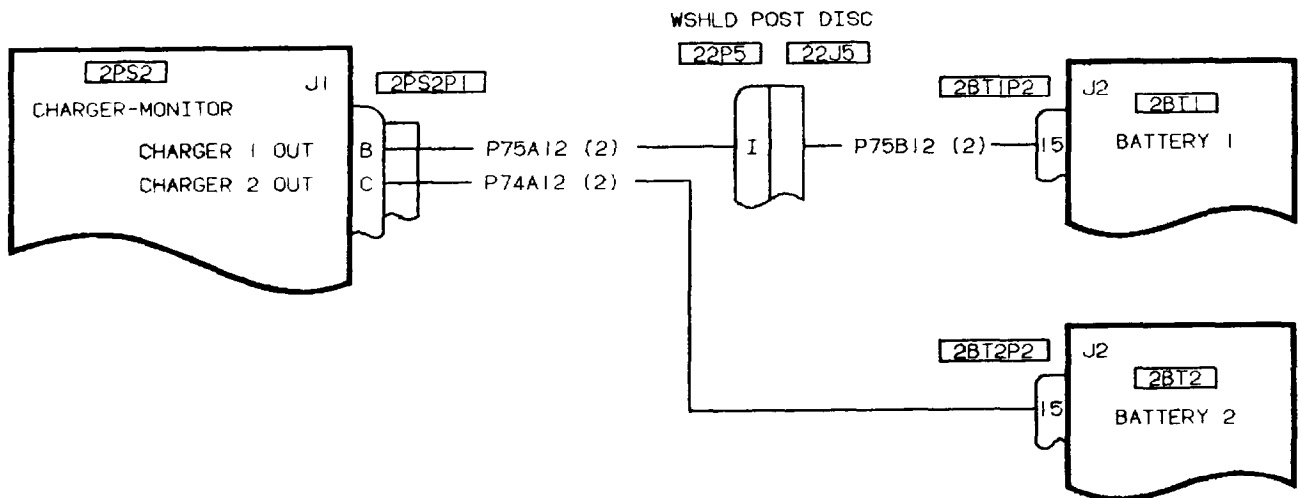
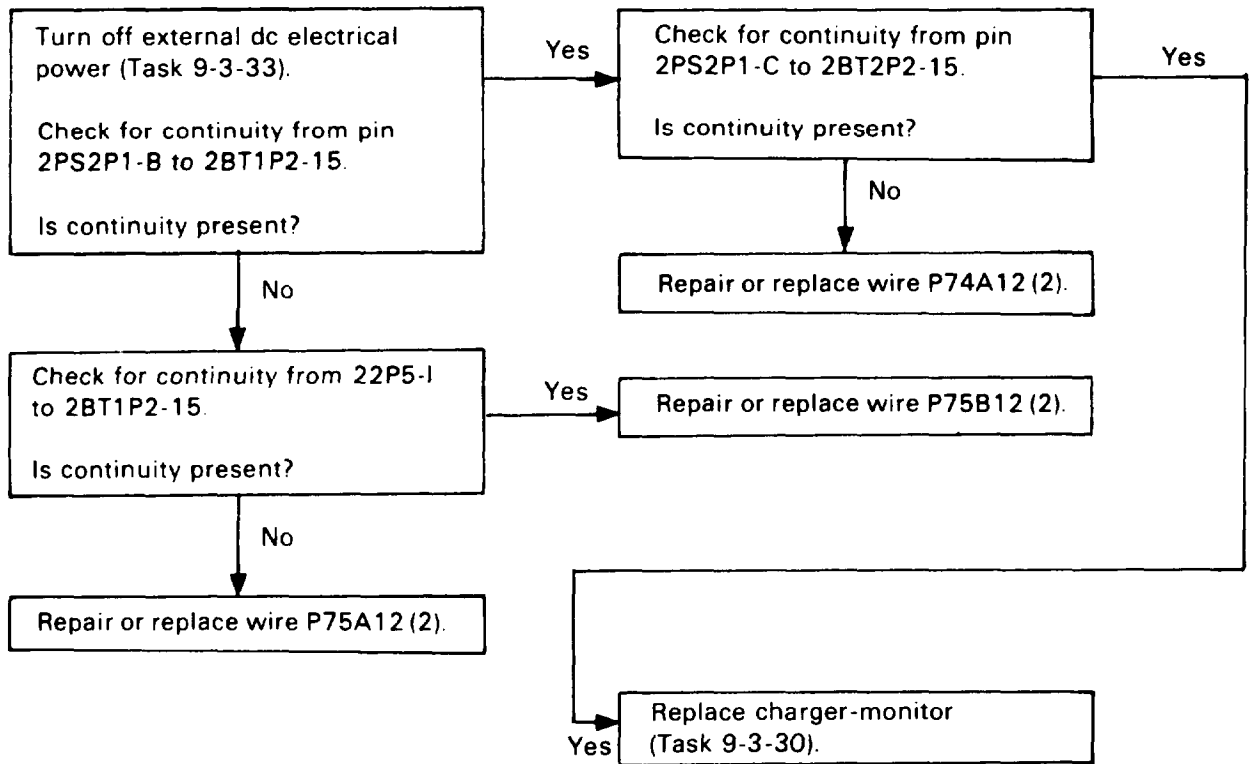
406475-339

78. DC GENERATOR DOES NOT GO OFF LINE (RPM BELOW FLIGHT IDLE)



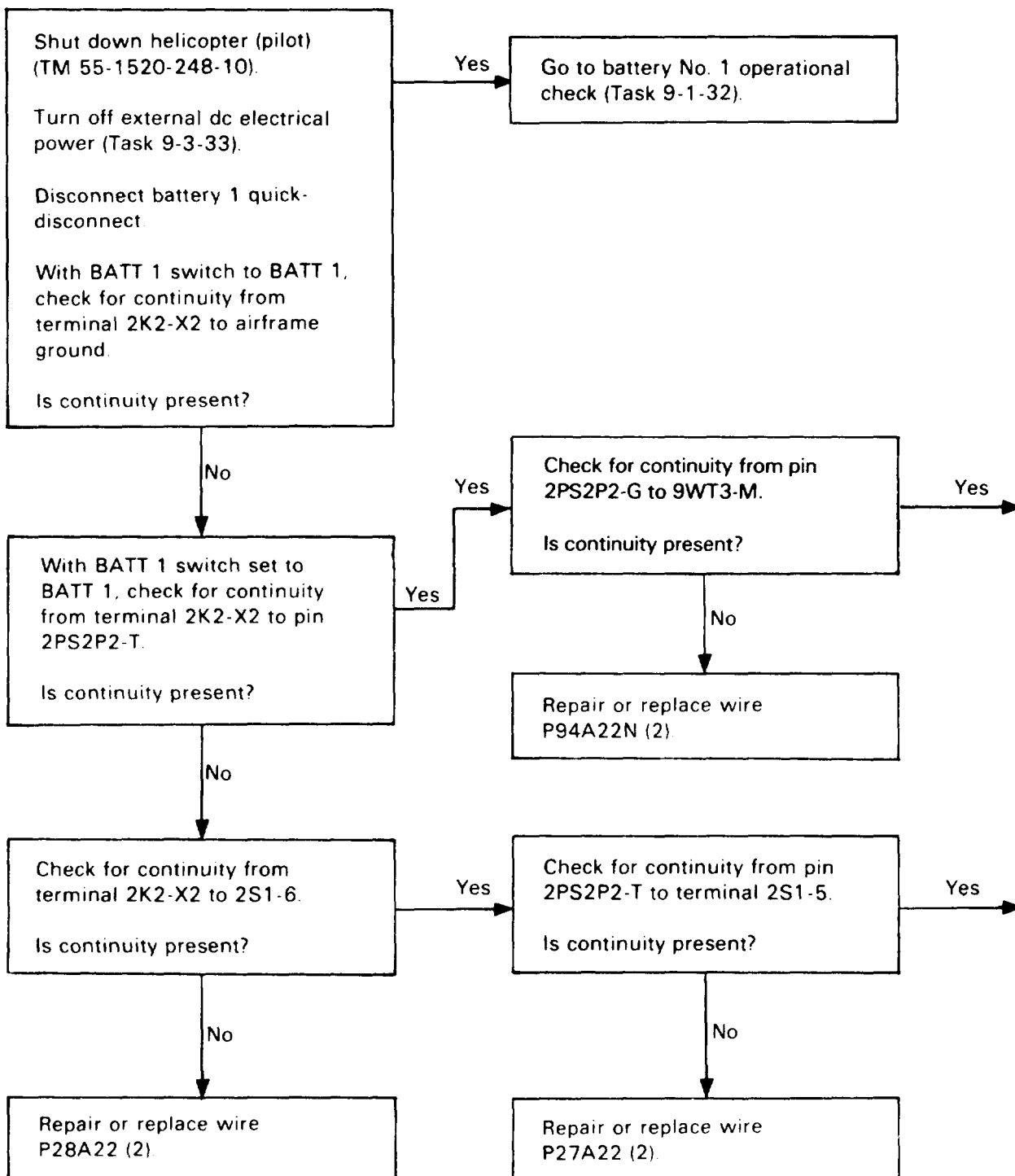
406475-400
H2087

79 BATTERY VOLTAGE DOES NOT INCREASE AT 2K2-A1 OR 2K2-A2 (DURING CHARGER MONITOR OPERATIONAL CHECK)

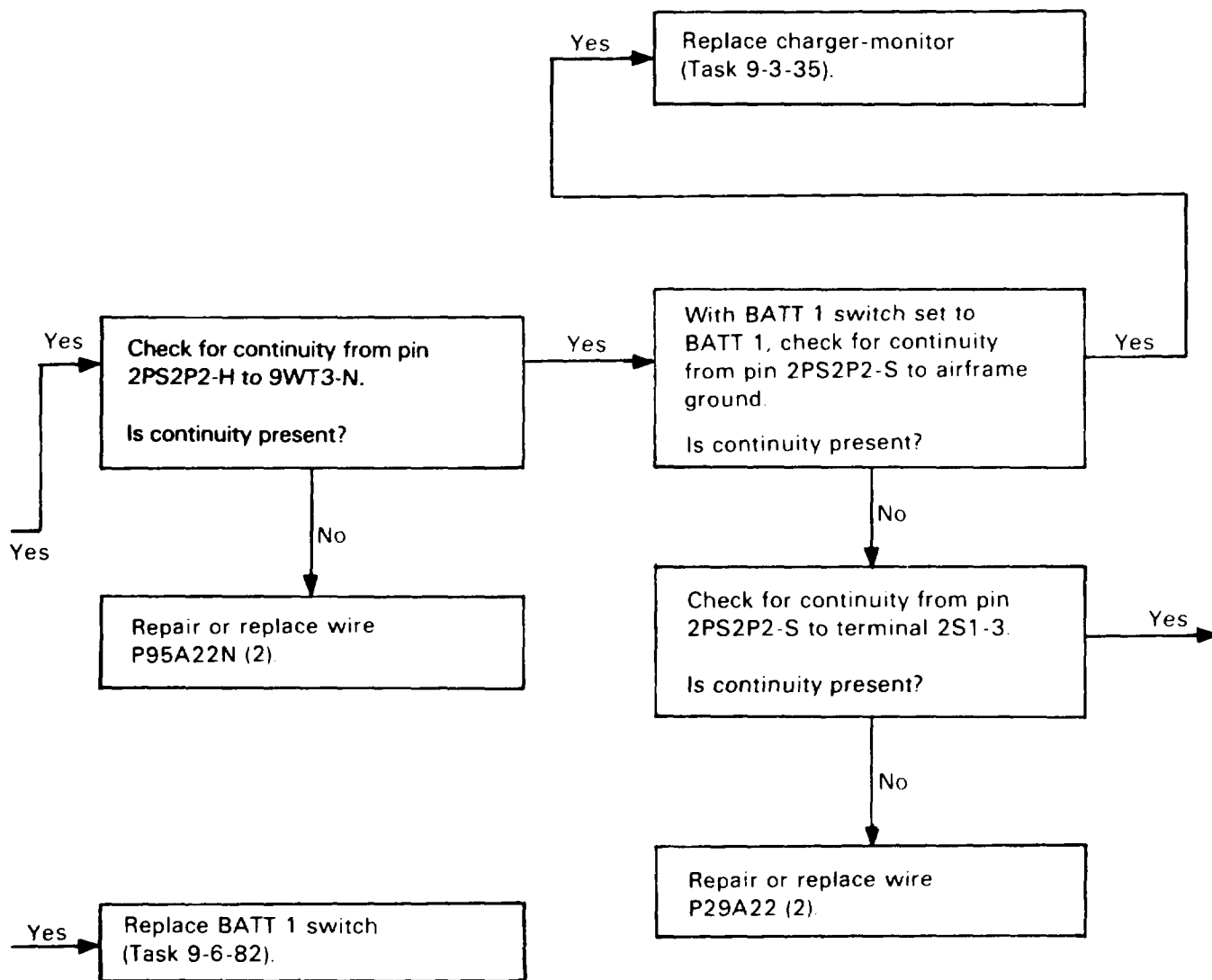


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H2087

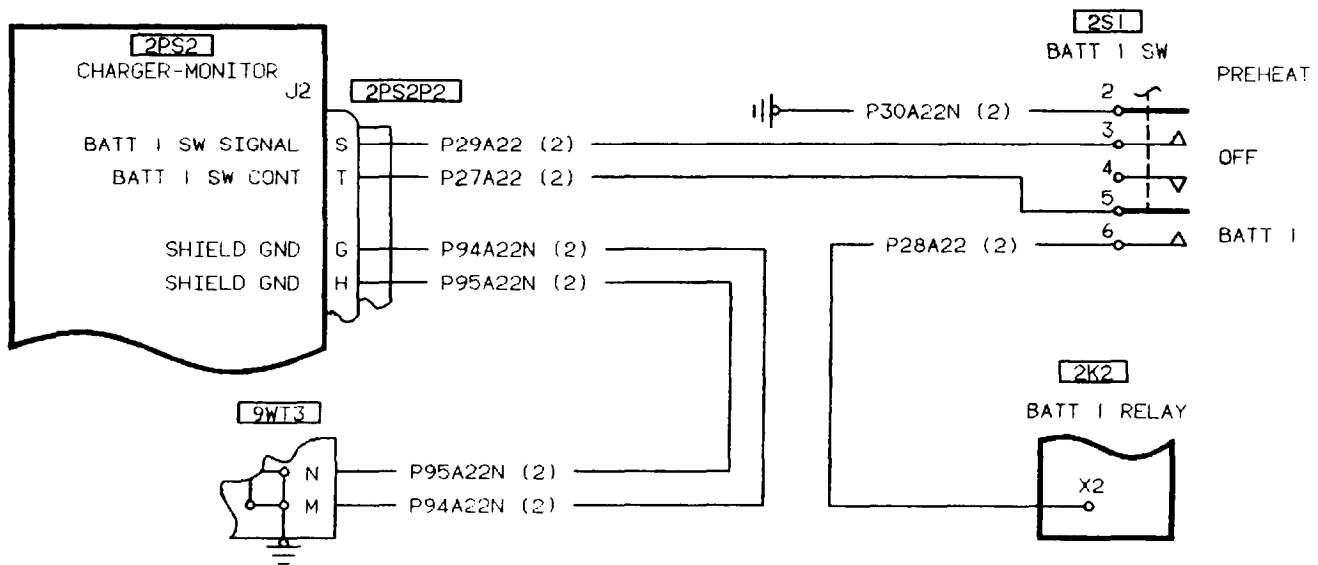
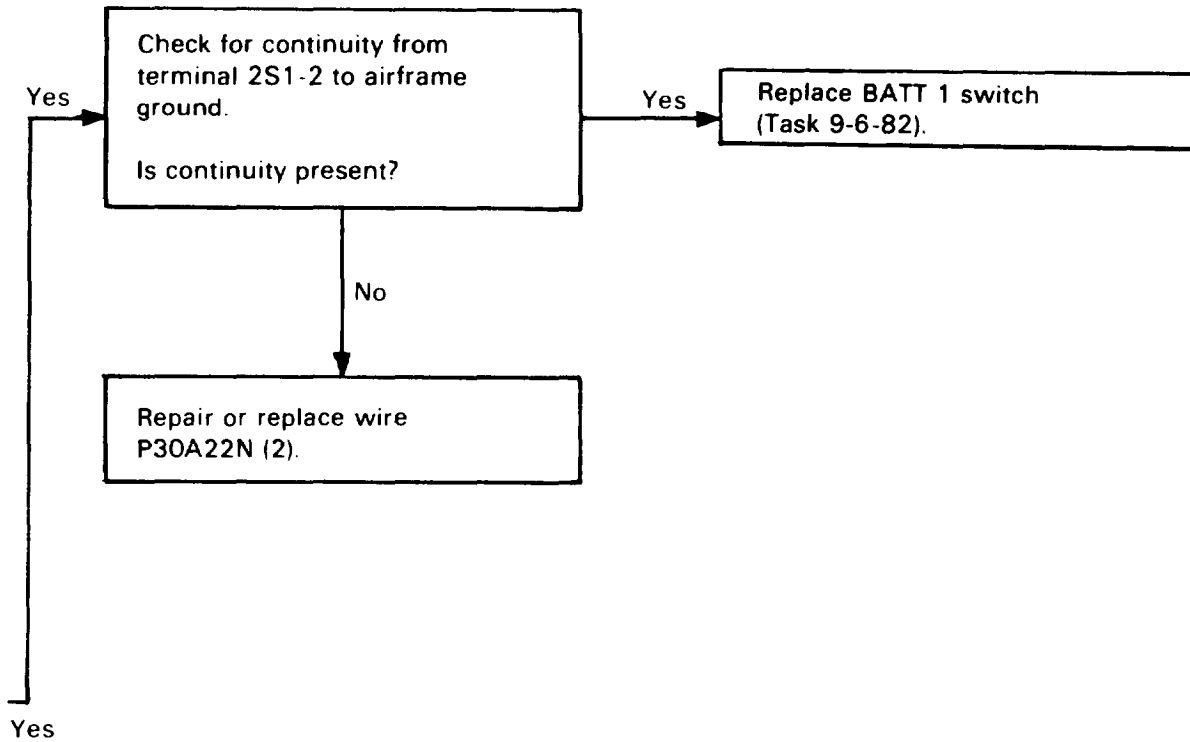
80. BATTERY 1 WILL NOT STAY CONNECTED TO BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK)



80. BATTERY 1 WILL NOT STAY CONNECTED TO BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)

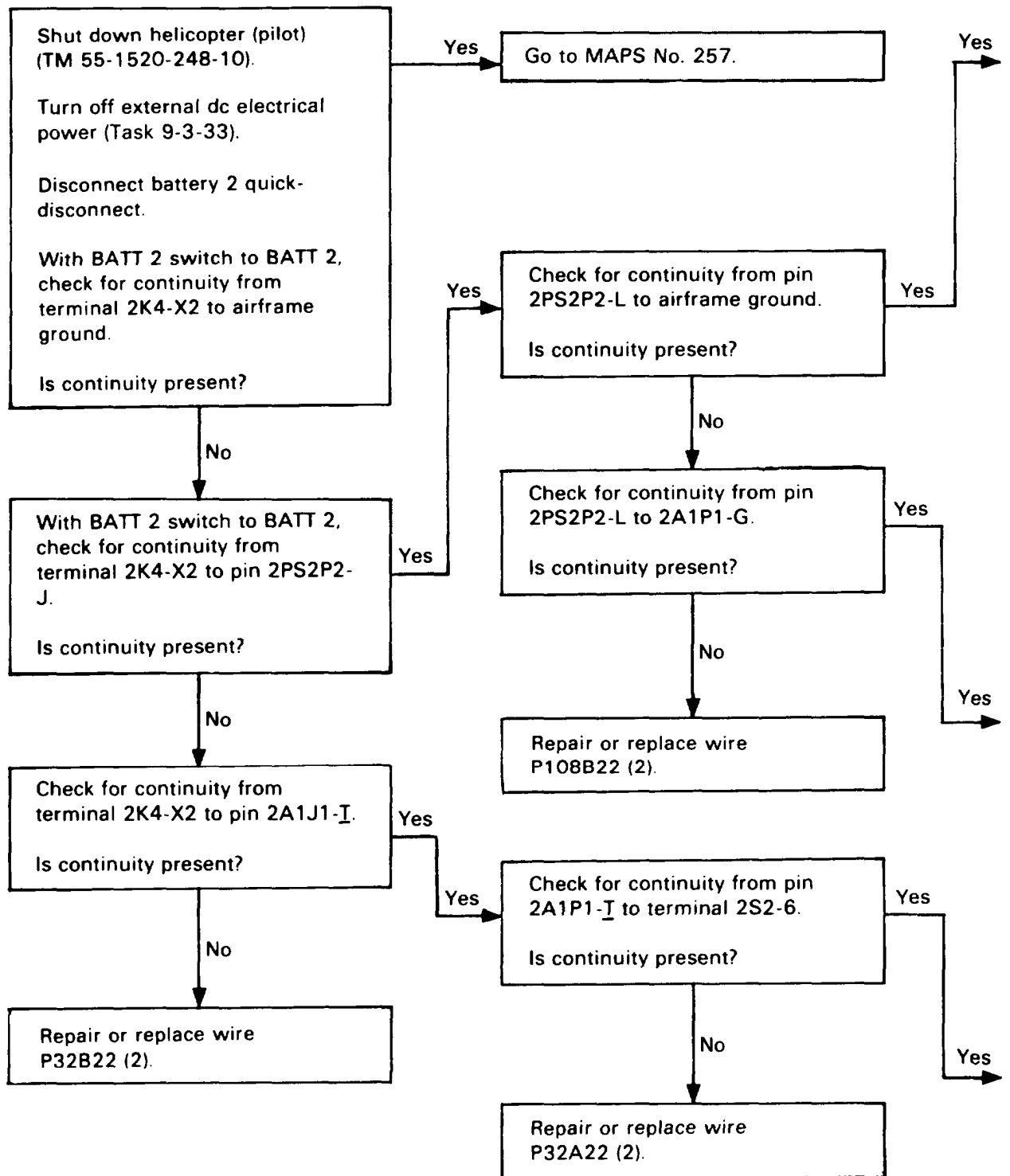


80. BATTERY 1 WILL NOT STAY CONNECTED TO BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)

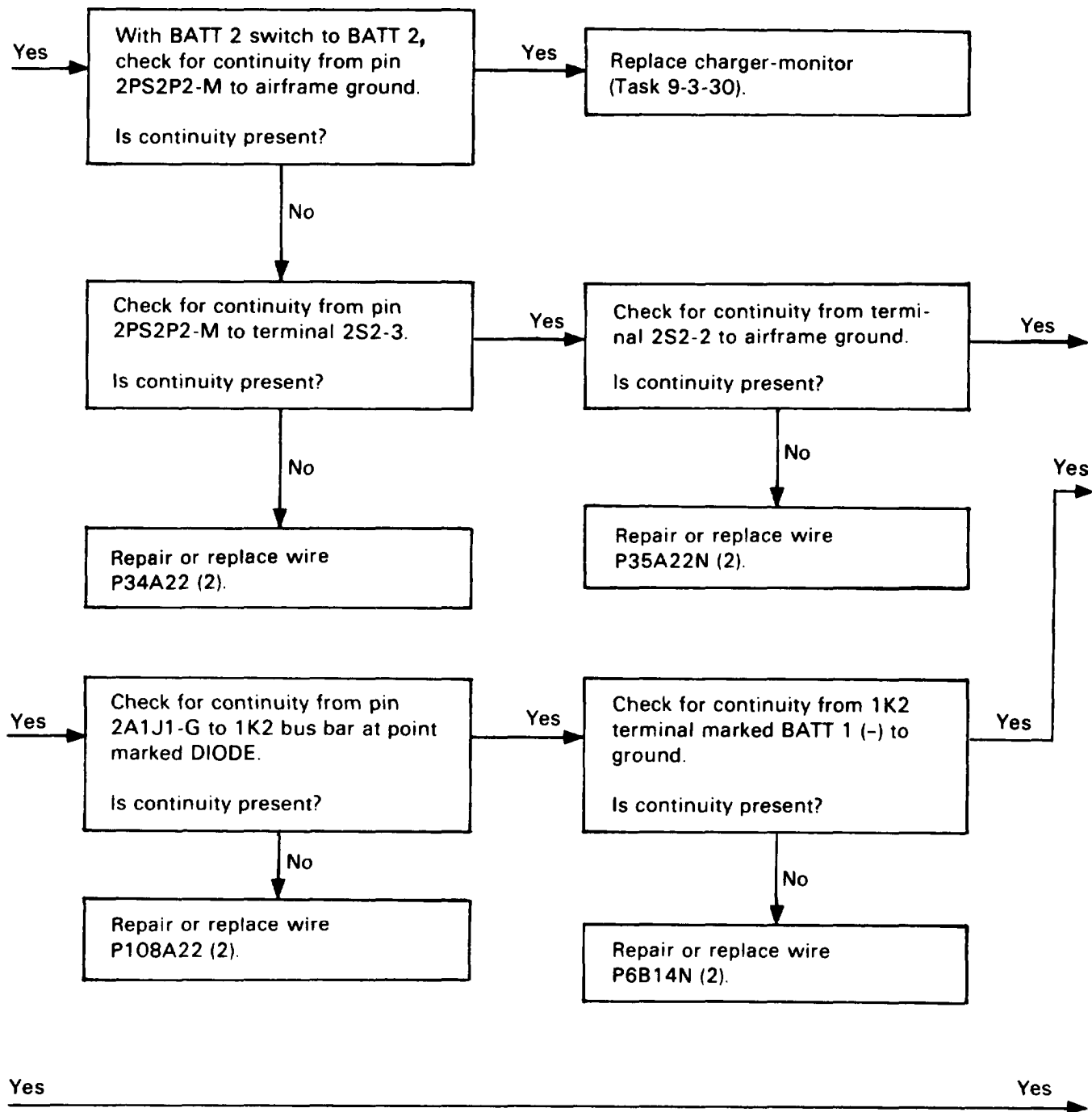


406475-344
H2392

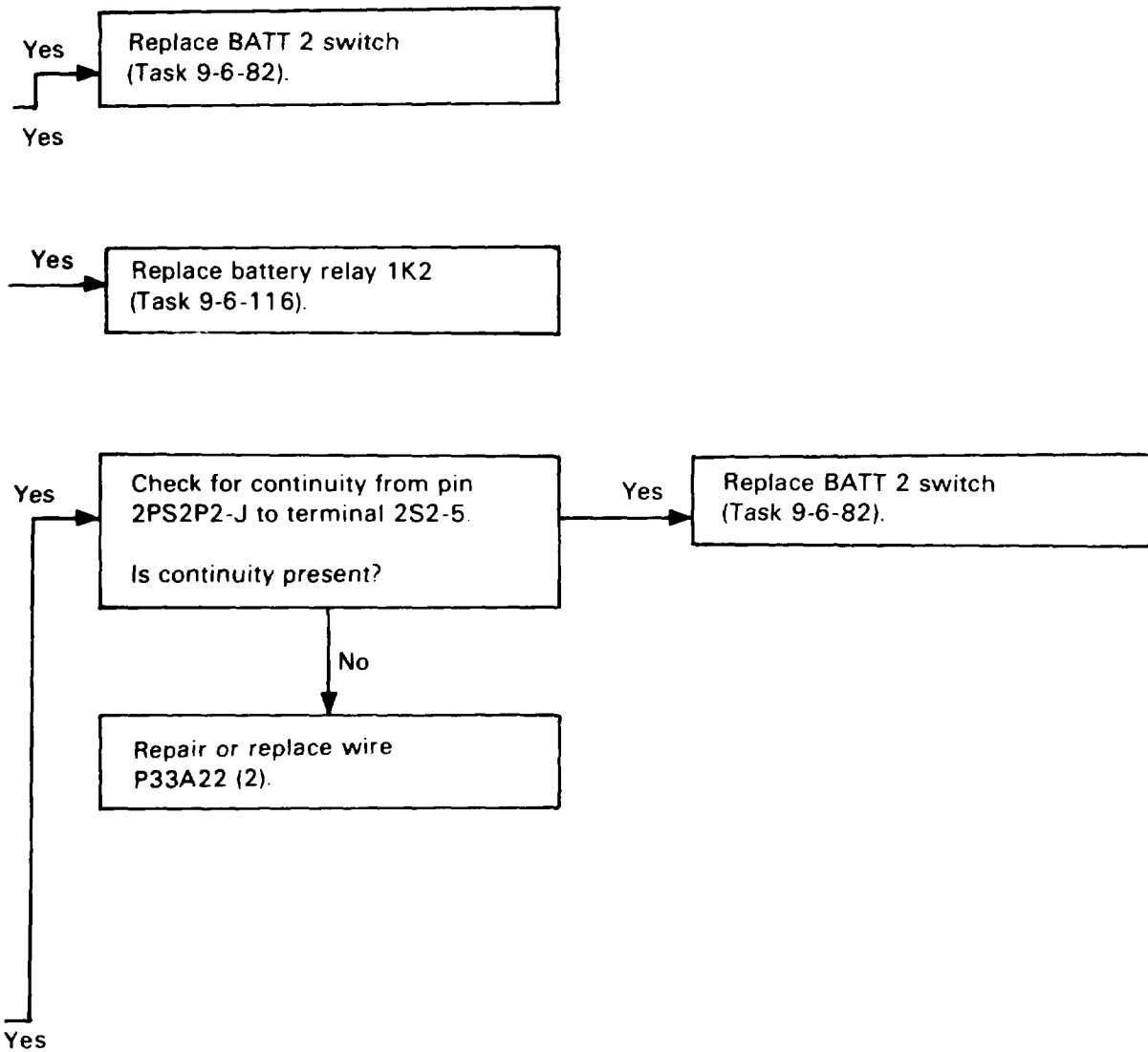
81. BATTERY 2 WILL NOT STAY CONNECTED TO BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK)



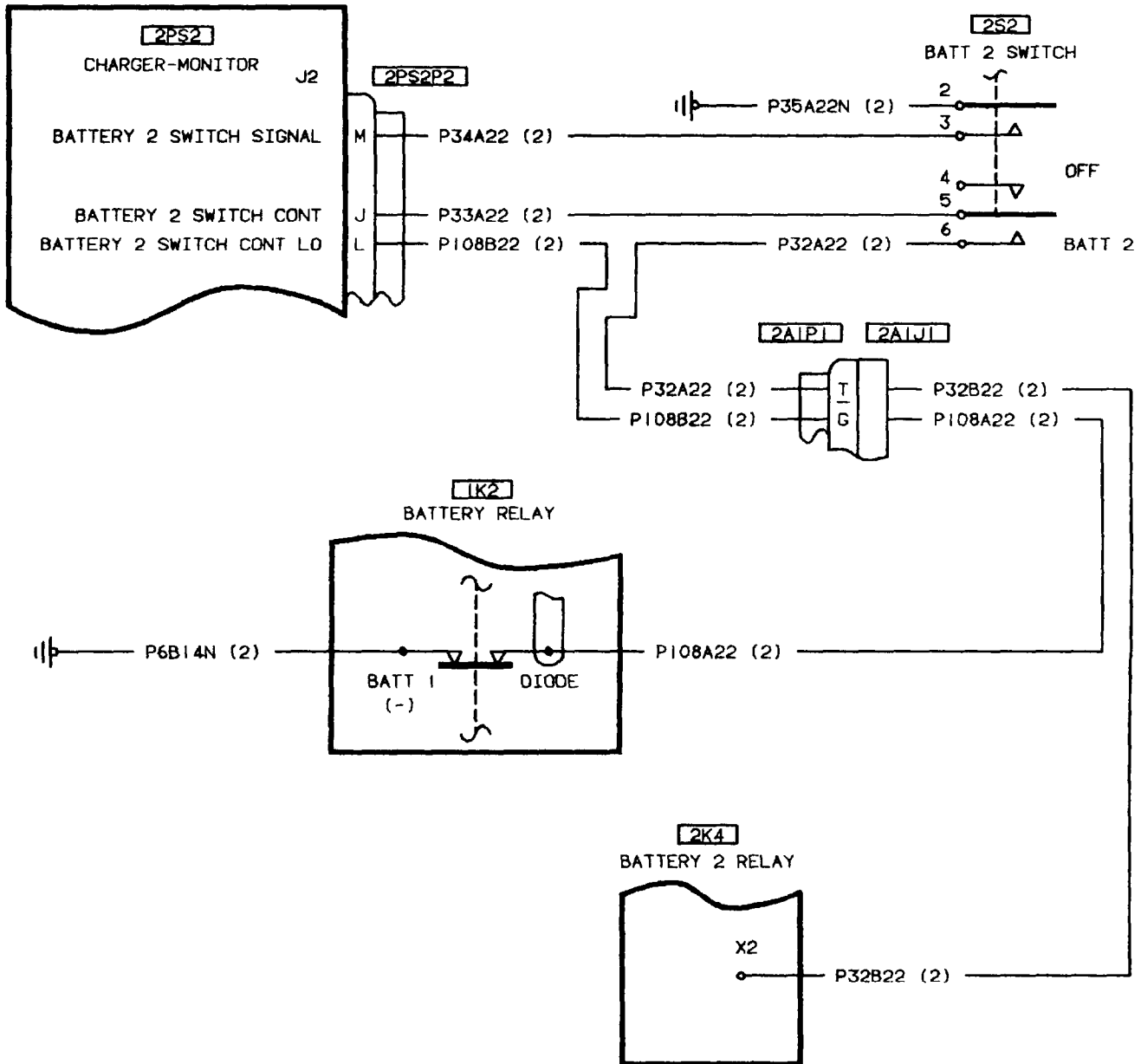
81. BATTERY 2 WILL NOT STAY CONNECTED TO BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)



81. BATTERY 2 WILL NOT STAY CONNECTED TO BATTERY-GENERATOR BUS AT FLIGHT IDLE
(DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)

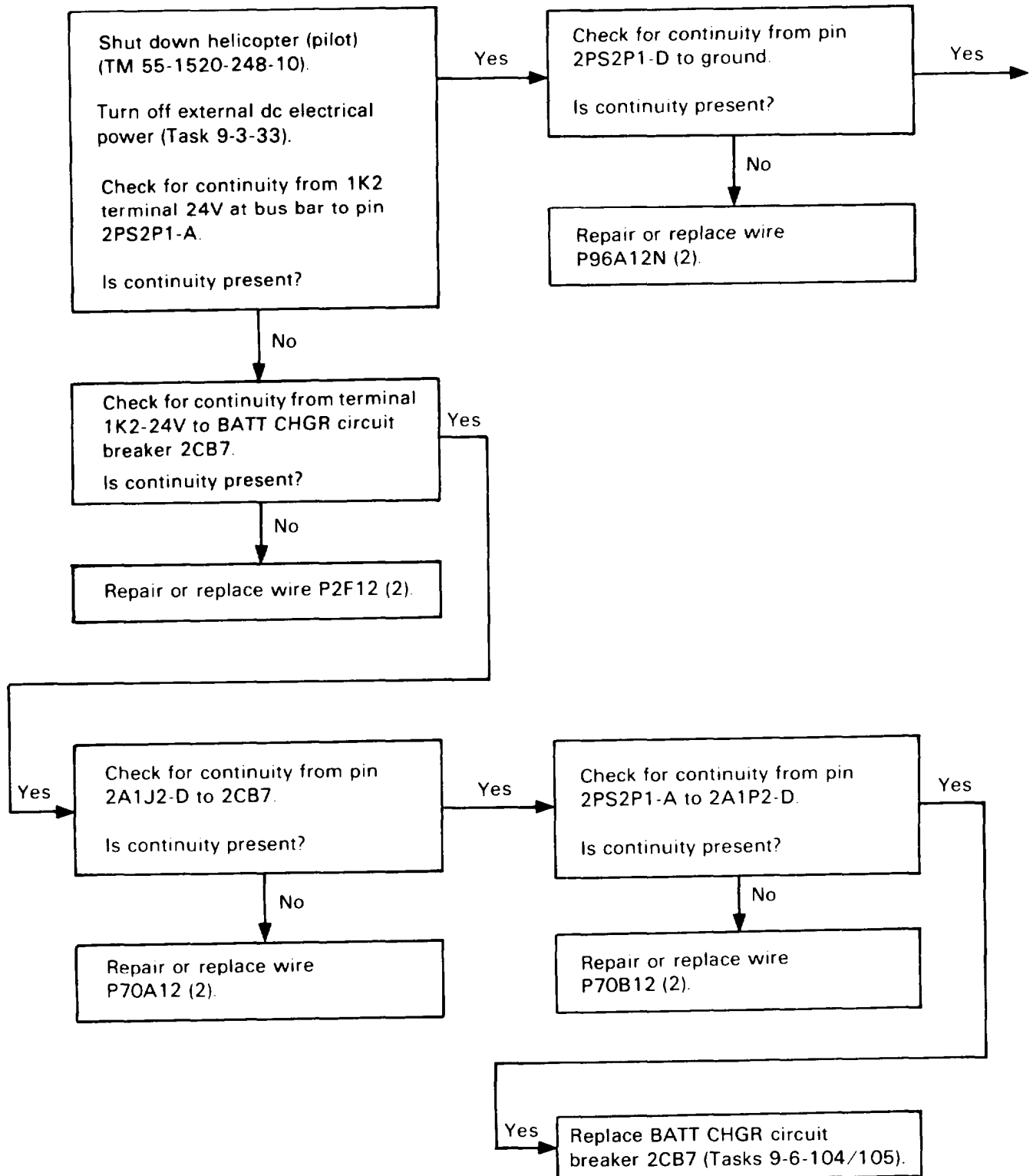


81. BATTERY 2 WILL NOT STAY CONNECTED TO BATTERY-GENERATOR BUS AT FLIGHT IDLE
(DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)

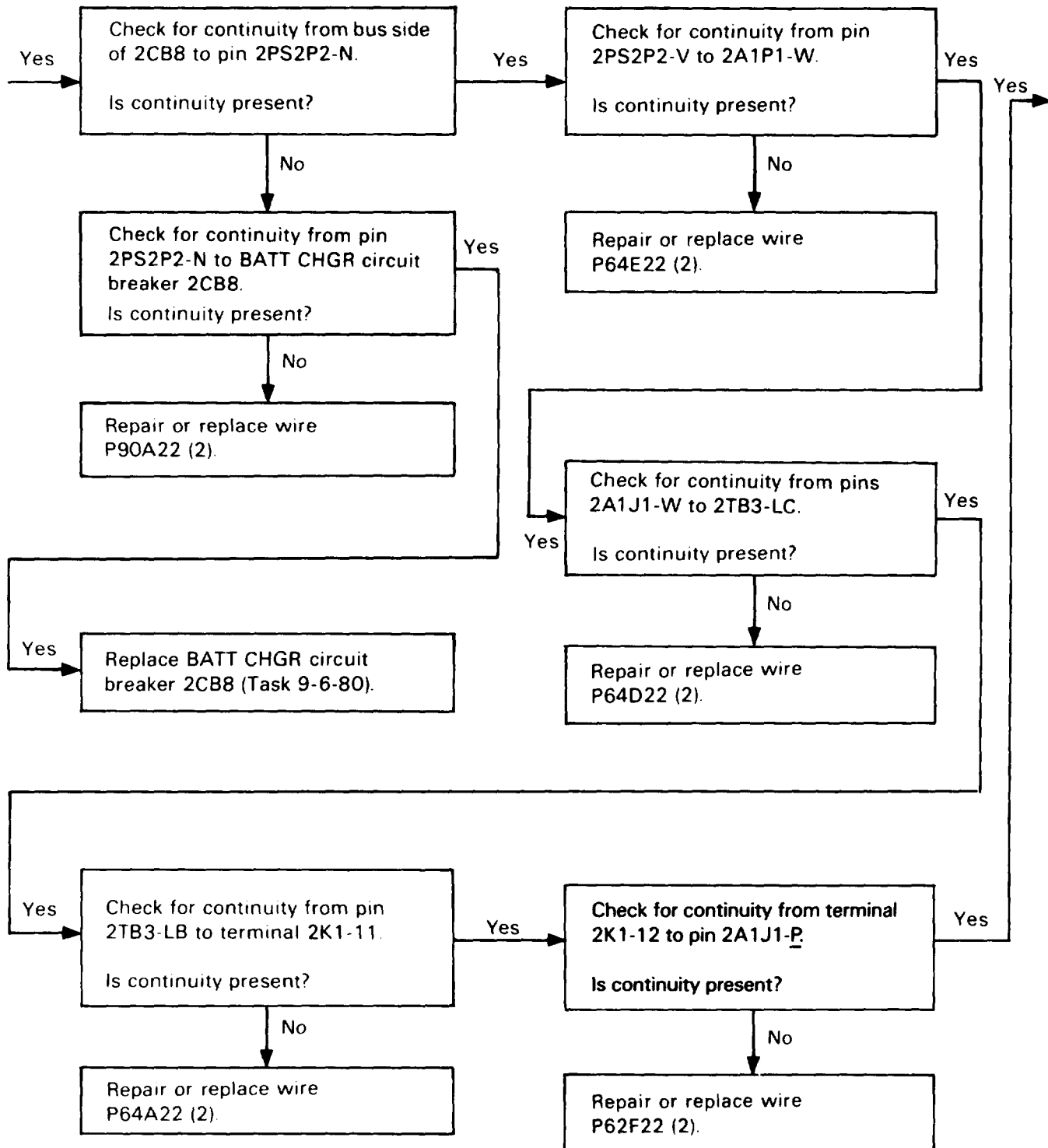


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H2392

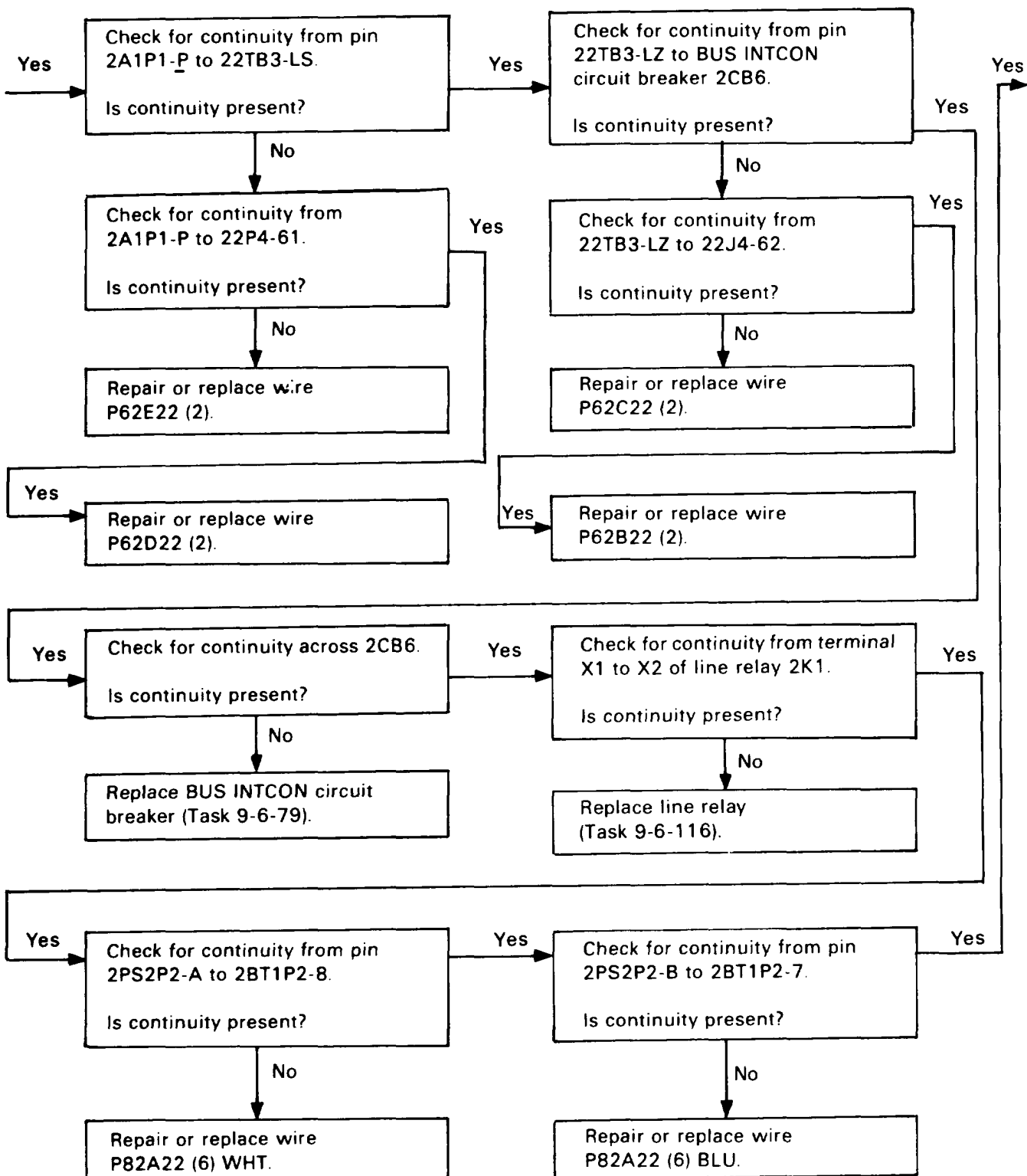
82. BATTERY 1 OR BATTERY 2 DOES NOT DISCONNECT FROM BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK)



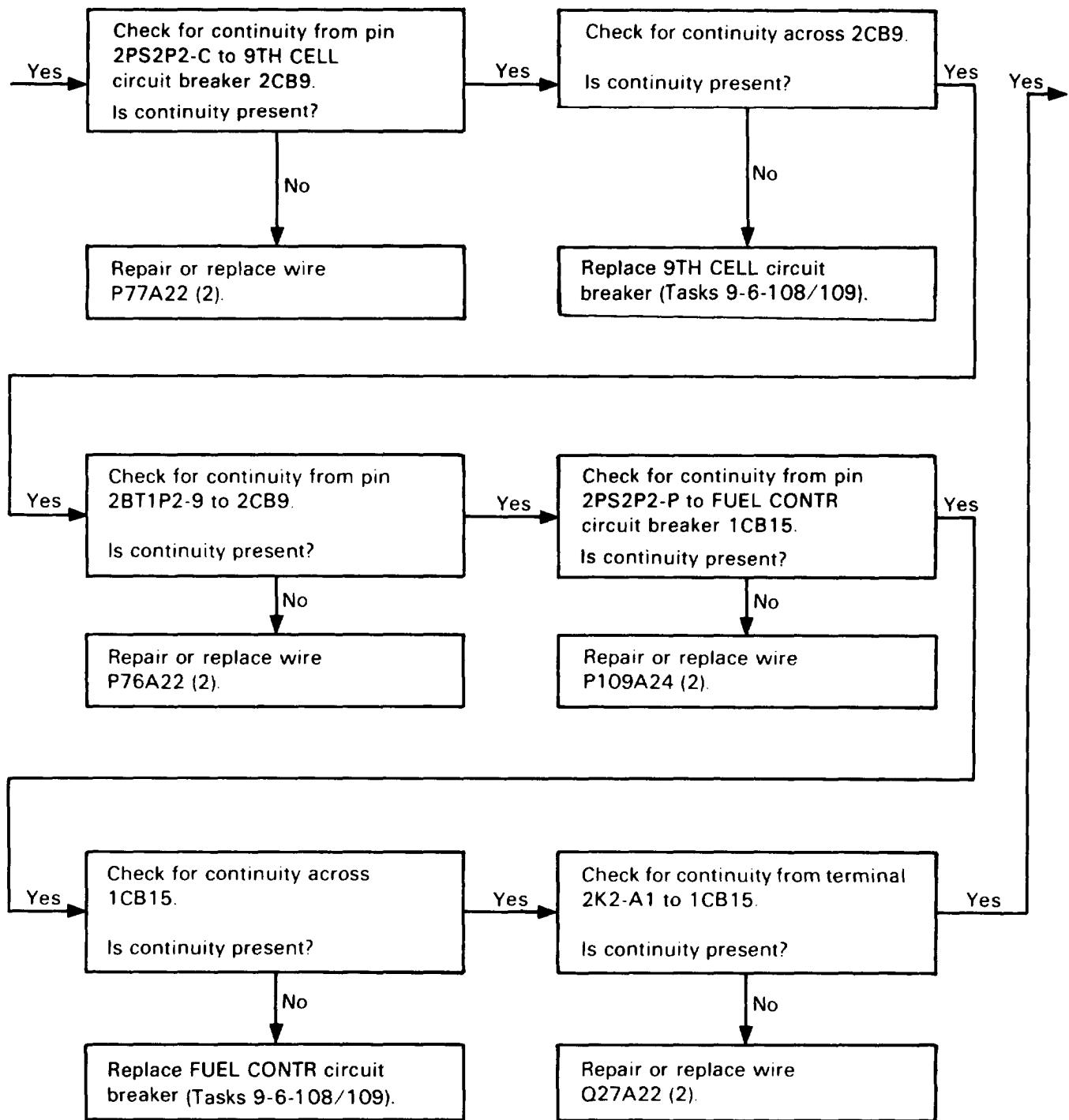
82. BATTERY 1 OR BATTERY 2 DOES NOT DISCONNECT FROM BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)



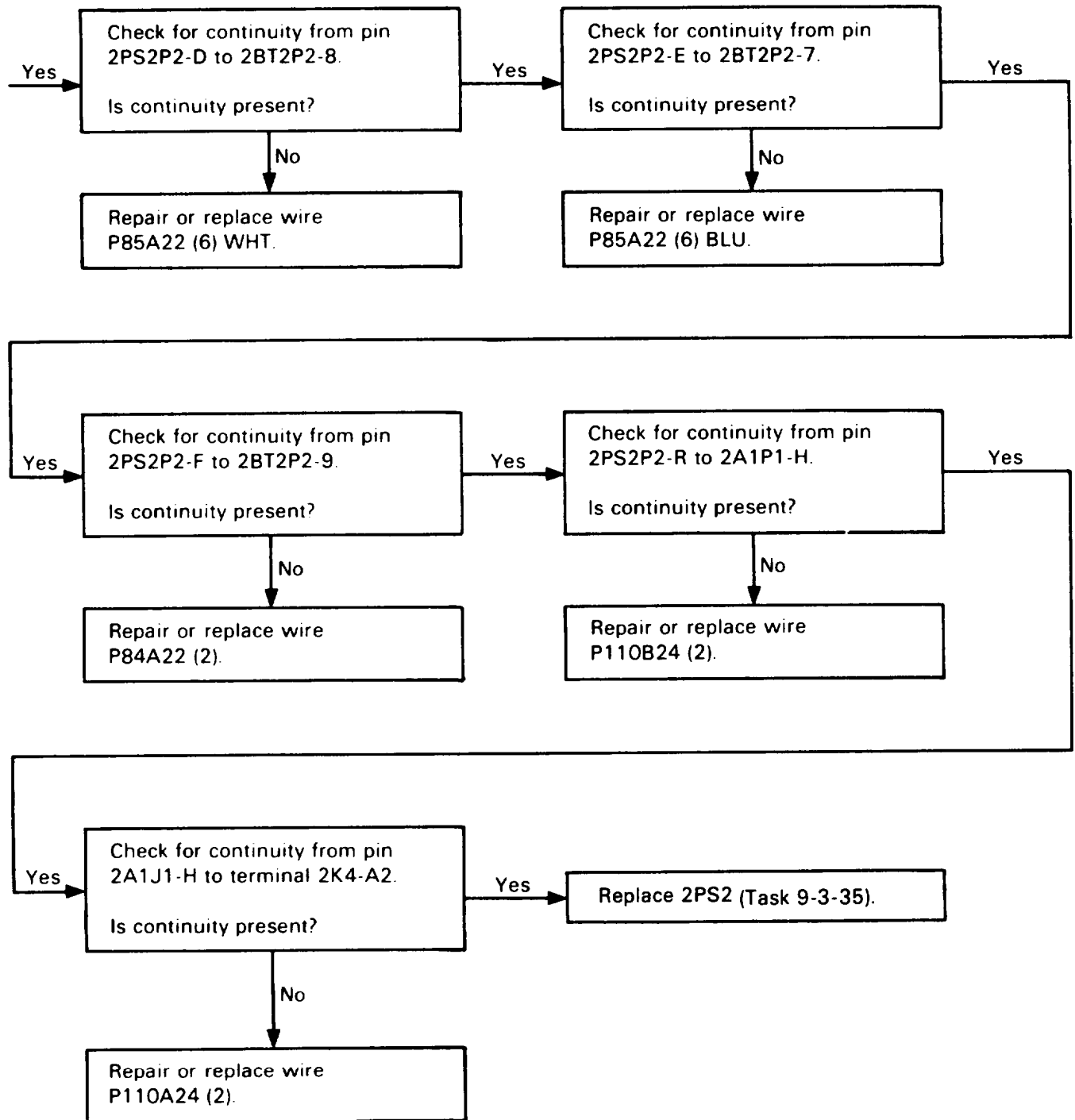
82. BATTERY 1 OR BATTERY 2 DOES NOT DISCONNECT FROM BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)



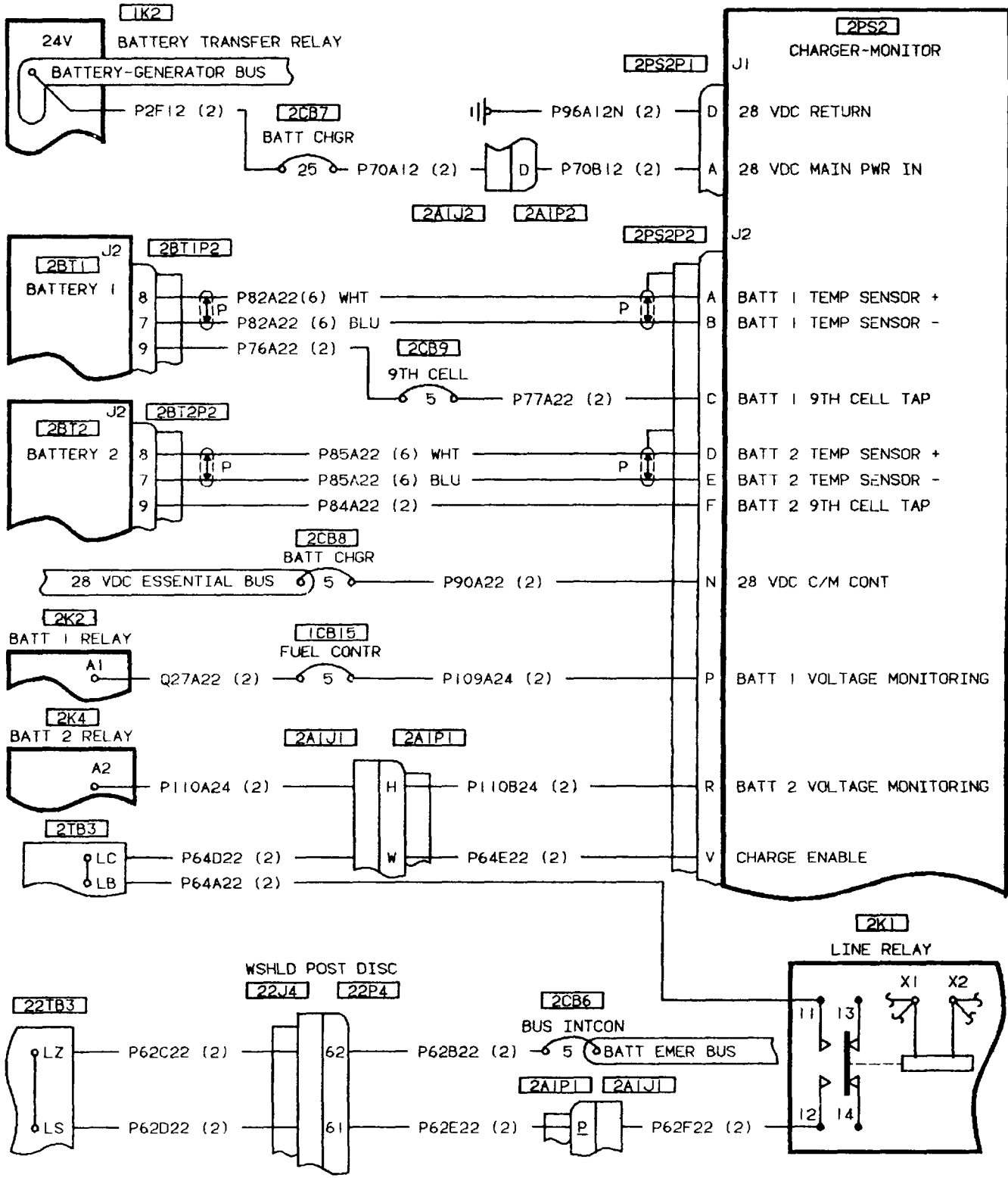
82. BATTERY 1 OR BATTERY 2 DOES NOT DISCONNECT FROM BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)



82. BATTERY 1 OR BATTERY 2 DOES NOT DISCONNECT FROM BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)

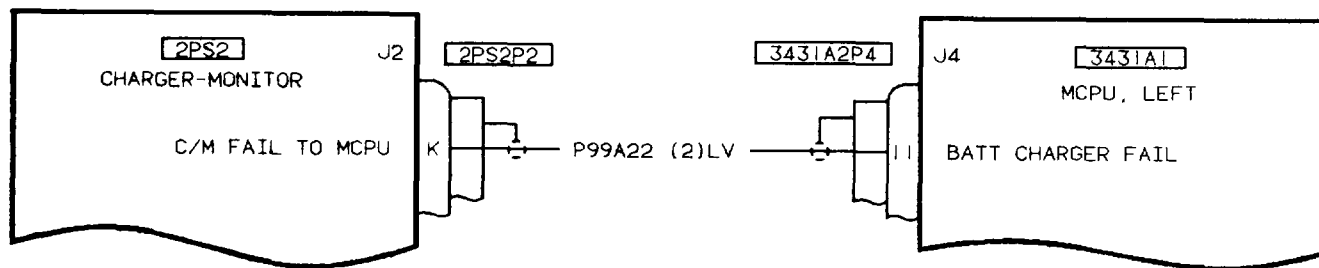
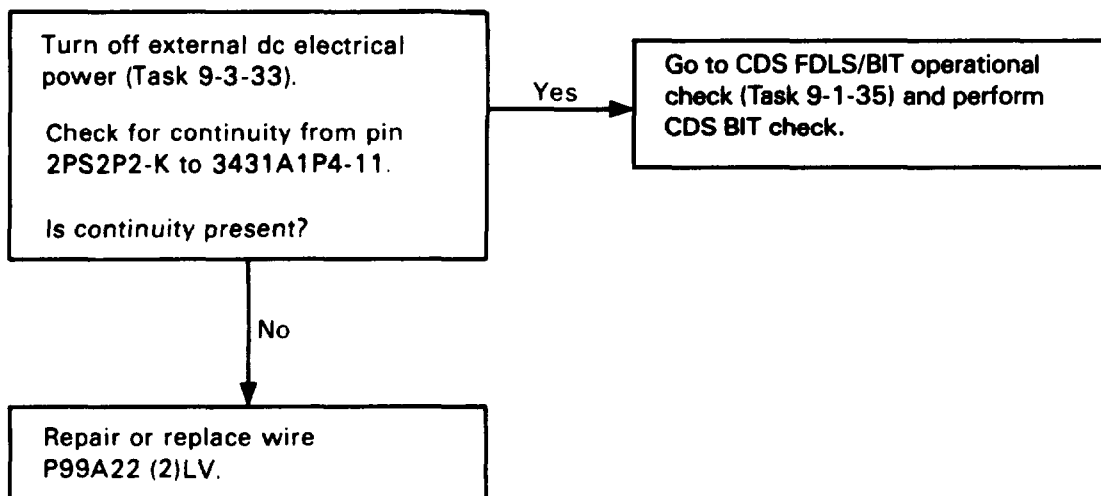


82. BATTERY 1 OR BATTERY 2 DOES NOT DISCONNECT FROM BATTERY-GENERATOR BUS AT FLIGHT IDLE (DURING CHARGER-MONITOR OPERATIONAL CHECK) (CONT)



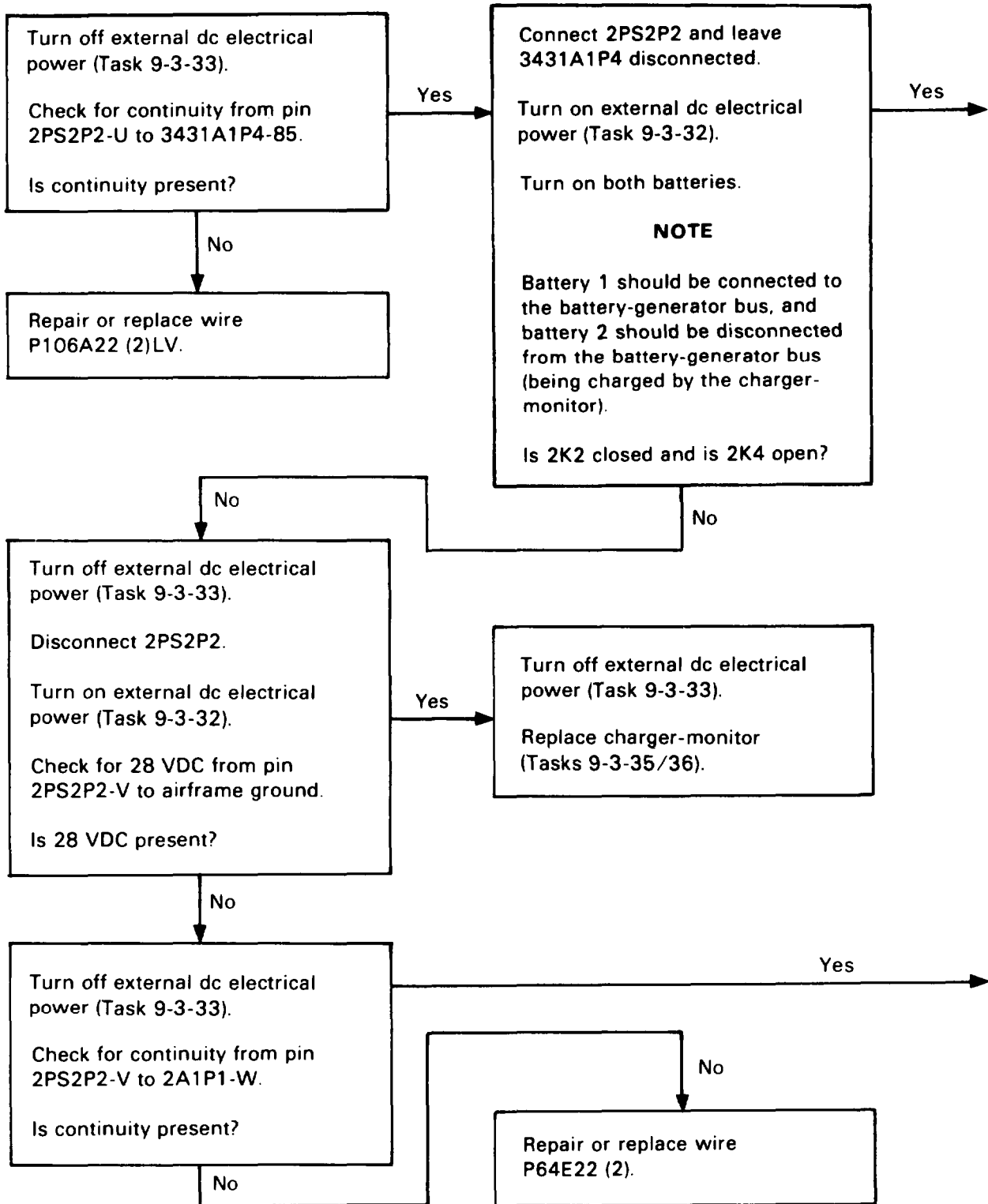
406475-343
H2087

83. BATT CHGR FAIL MESSAGE DOES NOT APPEAR ON MFD (JUMPER WIRE BETWEEN 2PS2P2-K AND AIRFRAME, DC EXTERNAL POWER APPLIED)

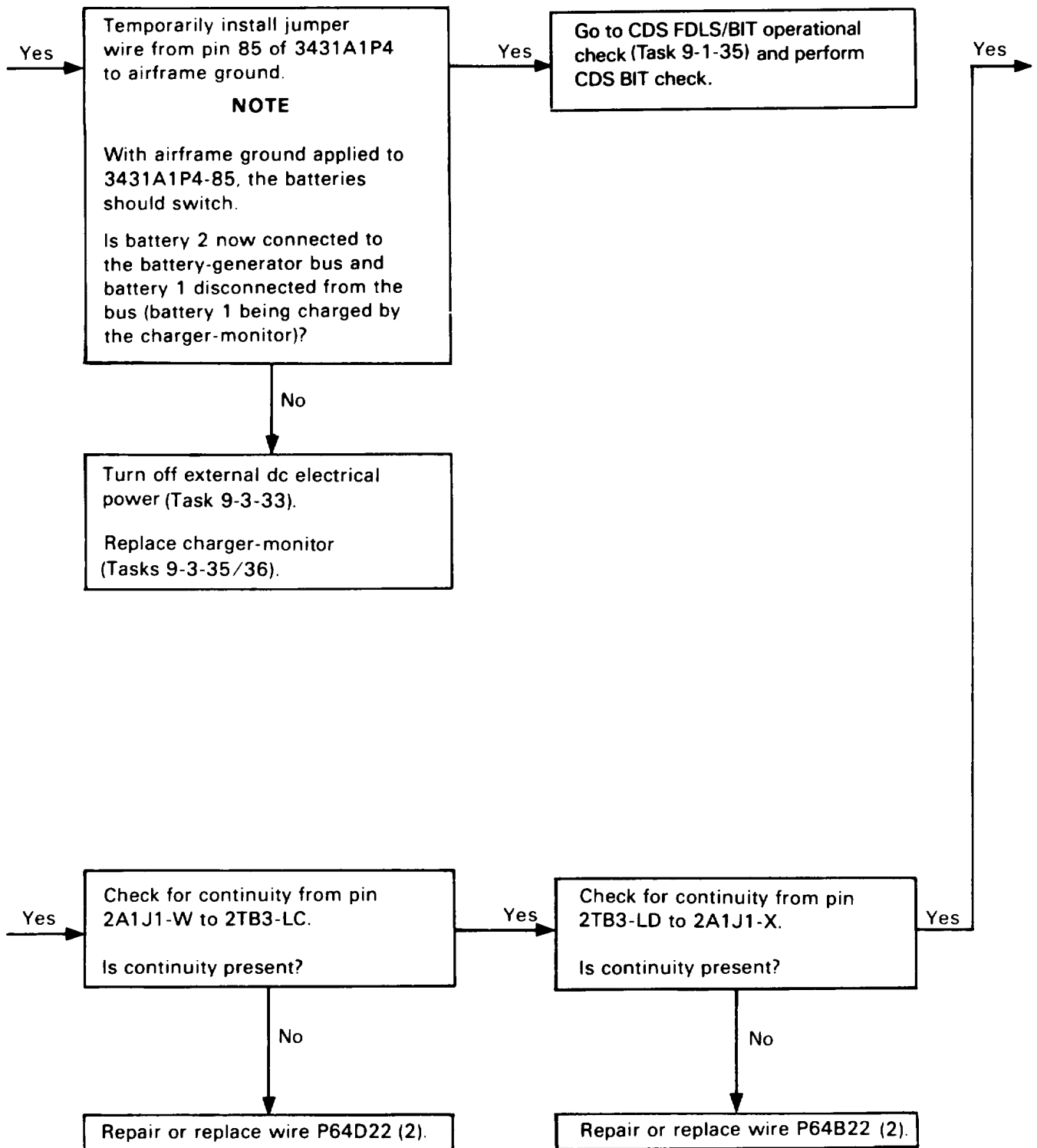


406475-342

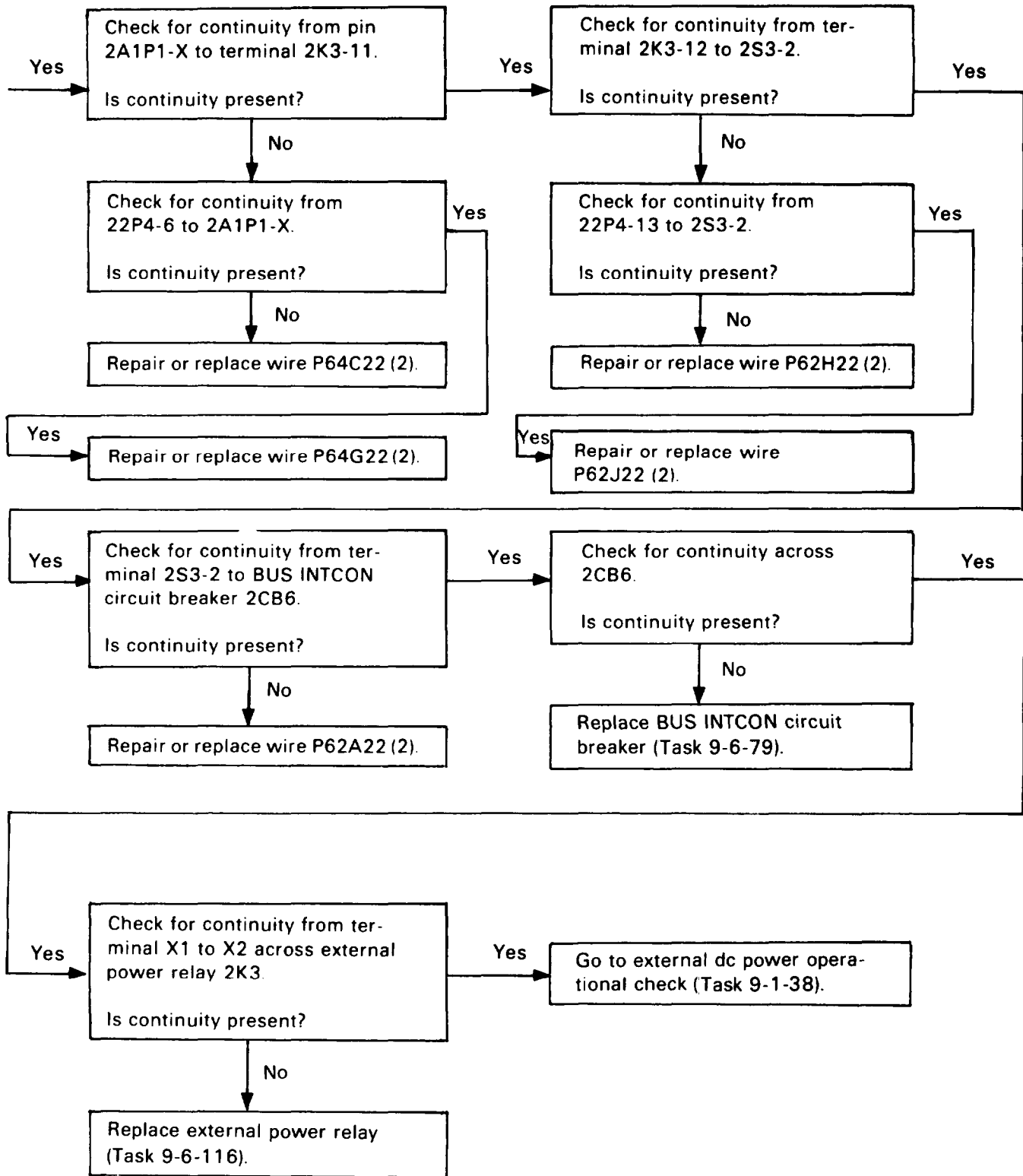
84. CHARGER-MONITOR DOES NOT OPEN OPPOSITE BATTERY RELAY (WITH OTHER BATTERY RELAY CLOSED AND ITS BATTERY CONNECTED TO BATTERY-GENERATOR BUS AT FLIGHT IDLE)



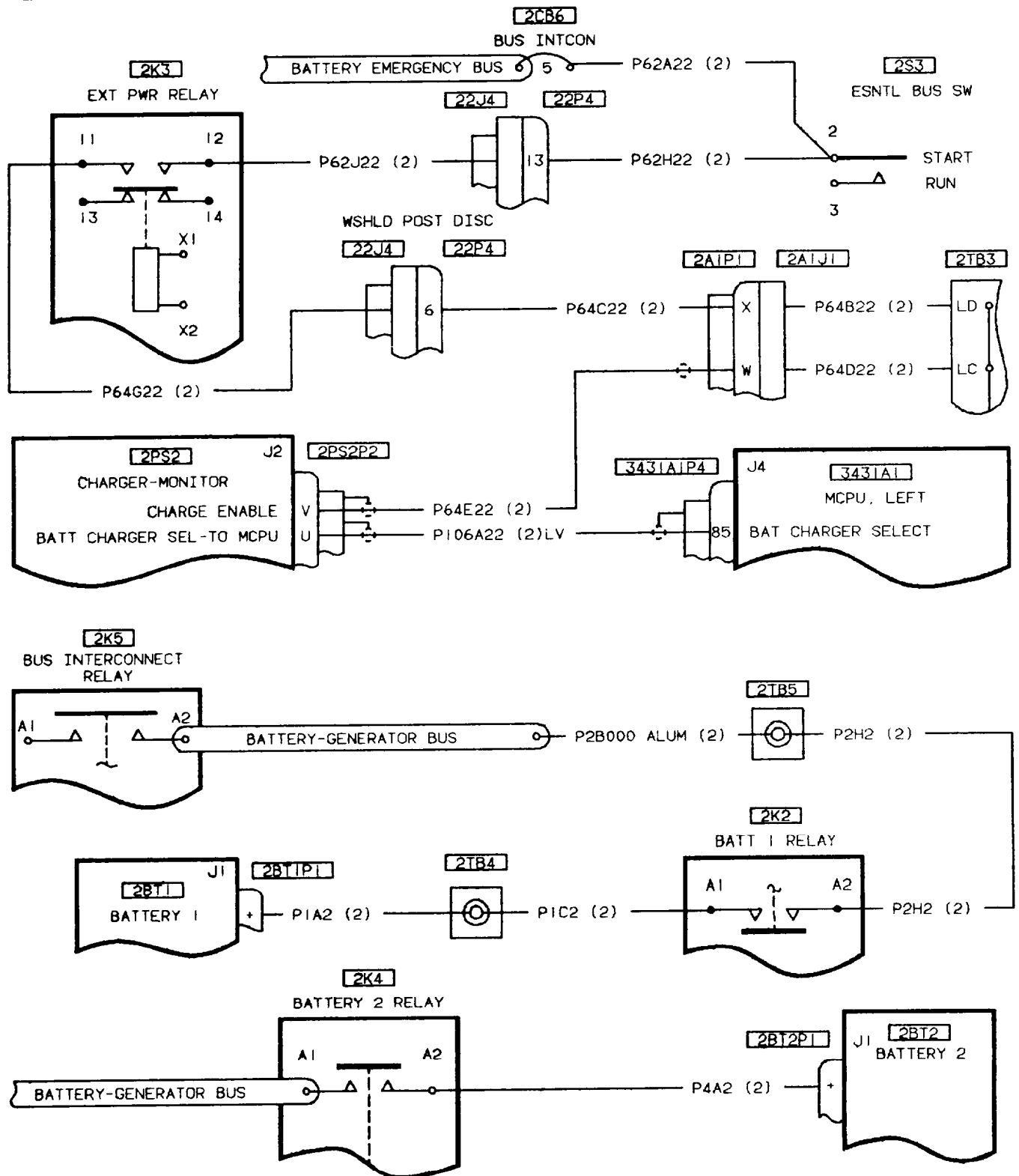
84. CHARGER-MONITOR DOES NOT OPEN OPPOSITE BATTERY RELAY (WITH OTHER BATTERY RELAY CLOSED AND ITS BATTERY CONNECTED TO BATTERY-GENERATED BUS AT FLIGHT IDLE) (CONT)



84. CHARGER-MONITOR DOES NOT OPEN OPPOSITE BATTERY RELAY (WITH OTHER BATTERY RELAY CLOSED AND ITS BATTERY CONNECTED TO BATTERY-GENERATED BUS AT FLIGHT IDLE) (CONT)

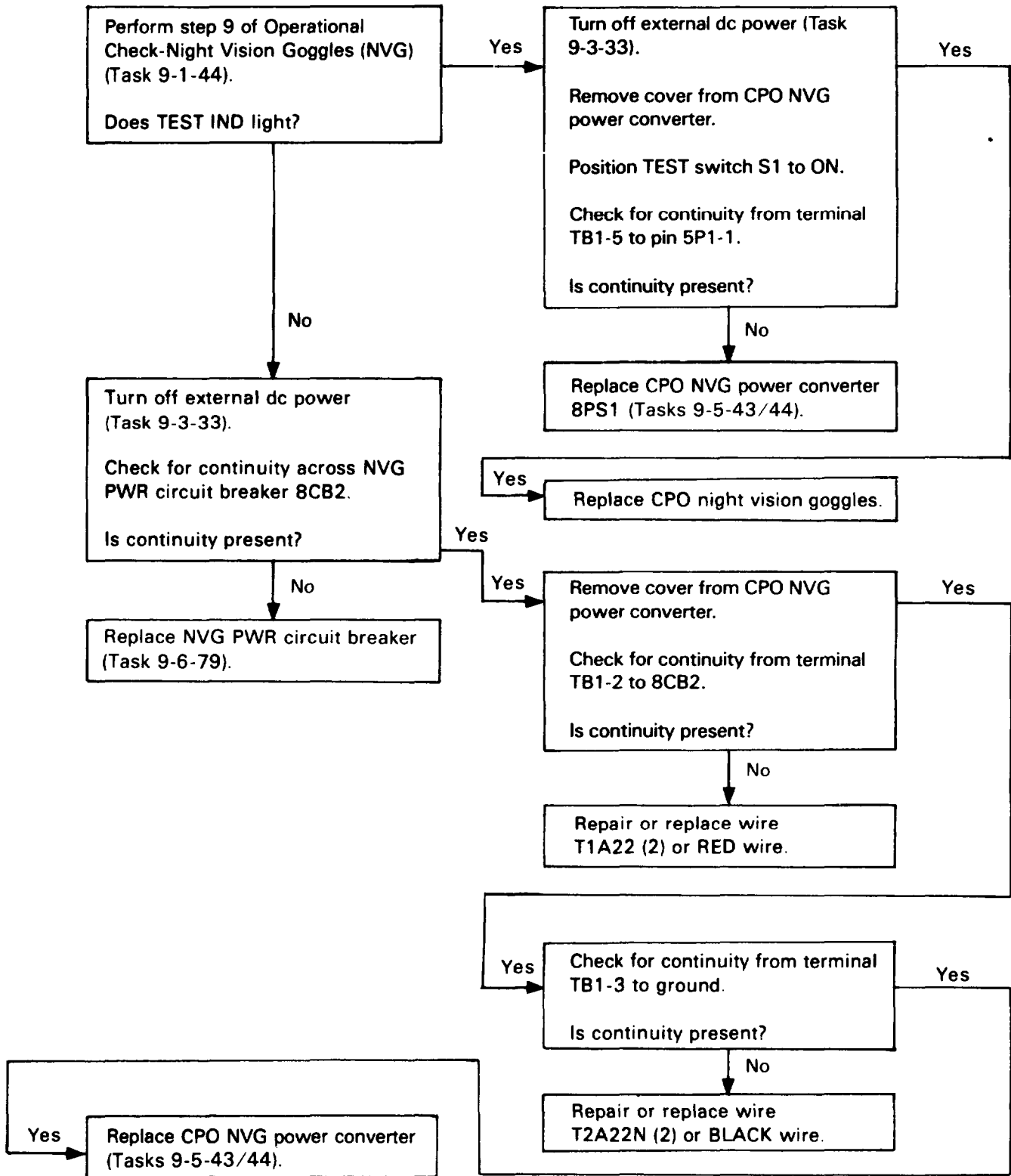


84 CHARGER-MONITOR DOES NOT OPEN OPPOSITE BATTERY RELAY (WITH OTHER BATTERY RELAY CLOSED AND ITS BATTERY CONNECTED TO BATTERY-GENERATED BUS AT FLIGHT IDLE) (CONT)

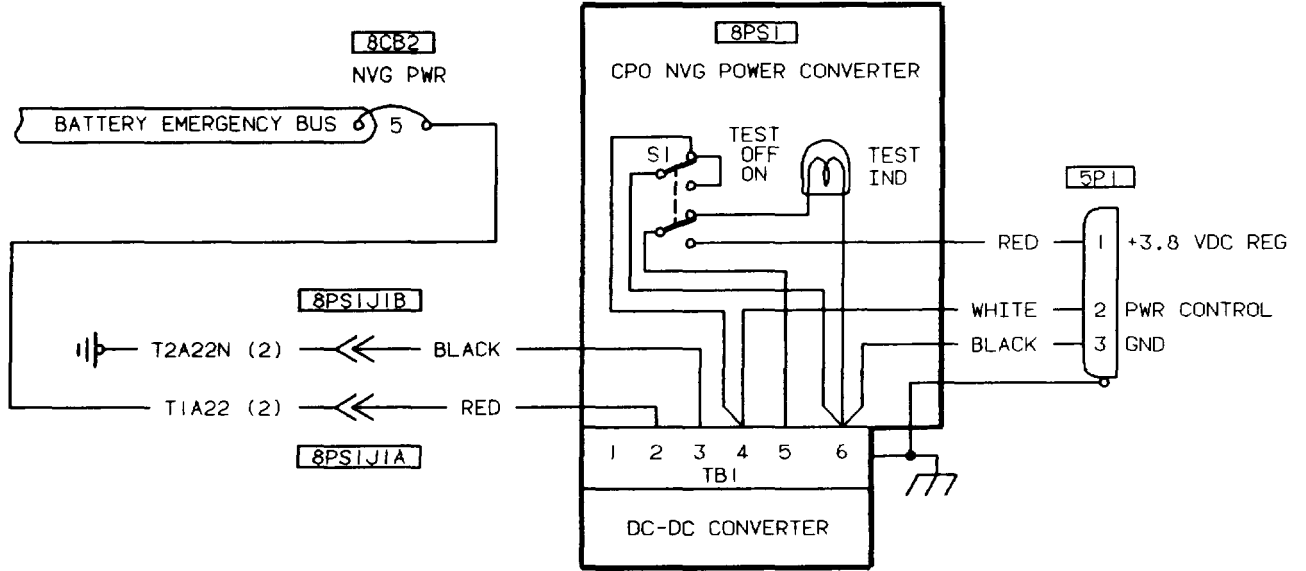


406475-341
H2087

85. CPO NIGHT VISION GOGGLES (NVG) DO NOT COME ON WHEN NVG POWER CONVERTER SWITCH IS SET TO ON

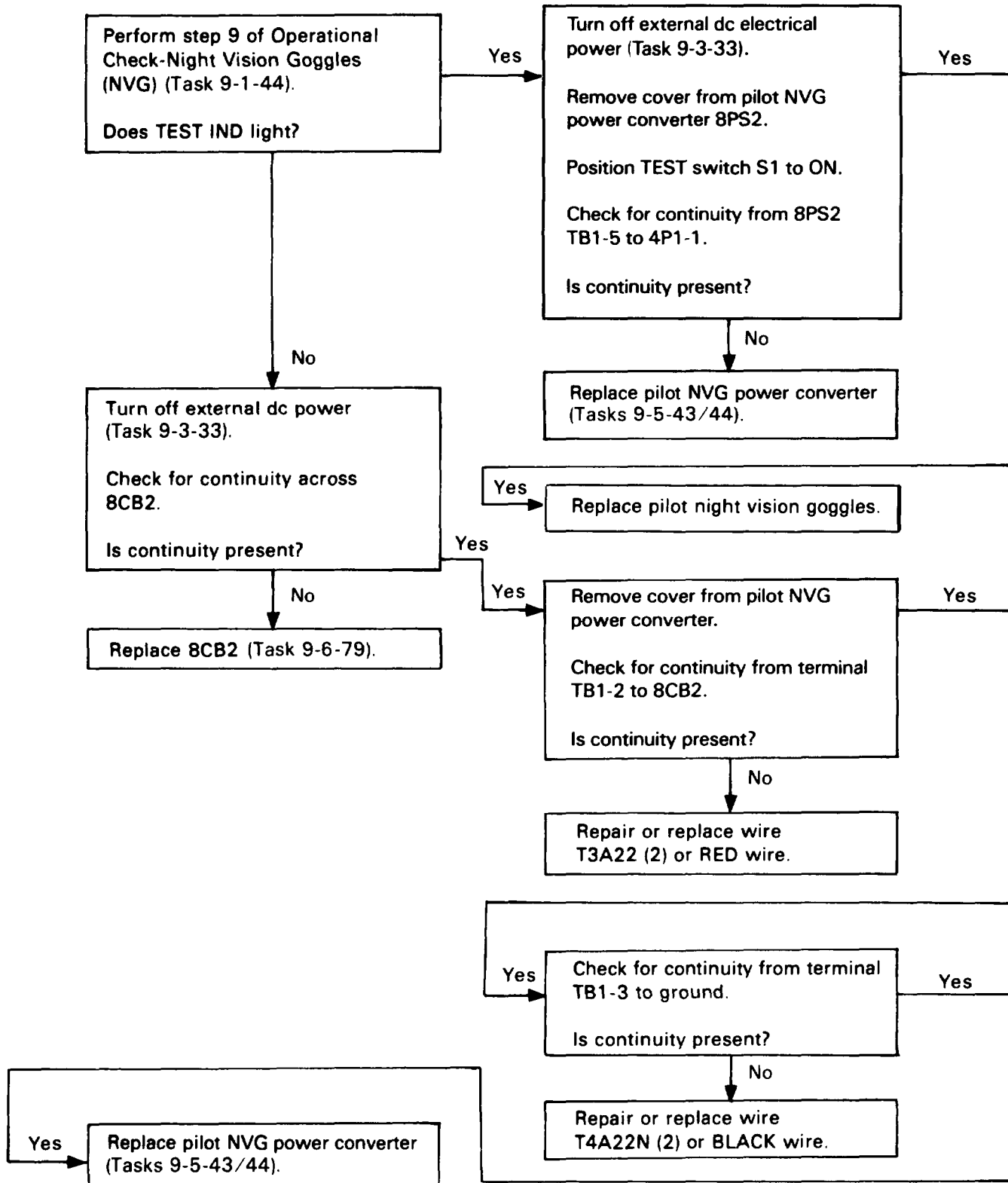


85. CPO NIGHT VISION GOGGLES (NVG) DO NOT COME ON WHEN NVG POWER CONVERTER SWITCH IS SET TO ON (CONT)

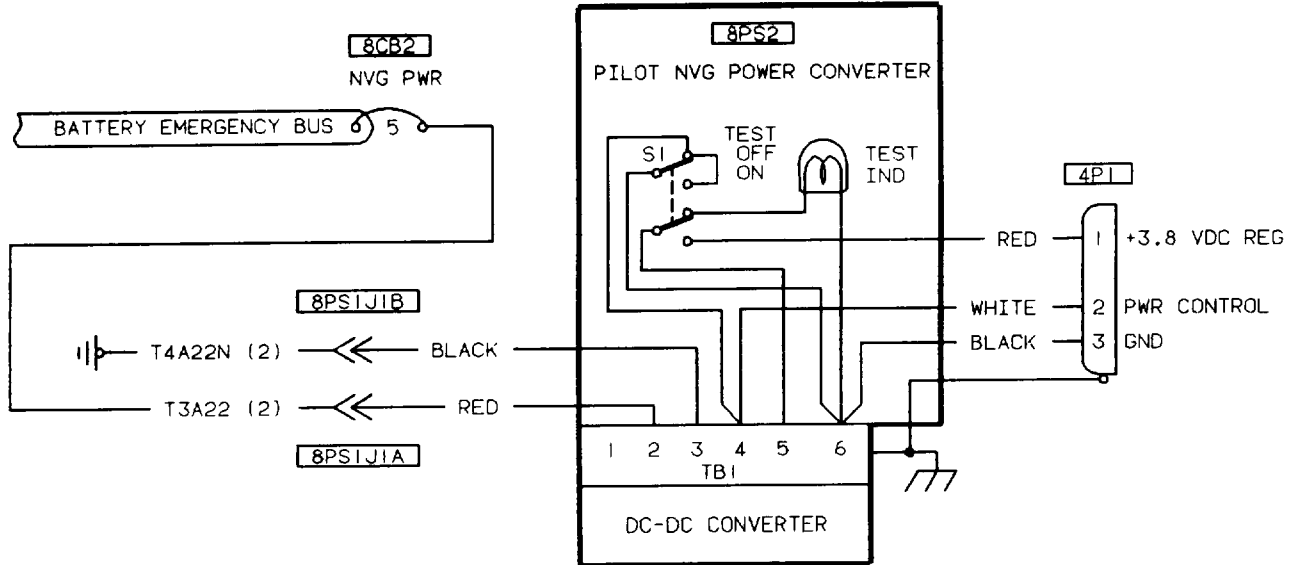


406475-990
H1104

86. PILOT NIGHT VISION GOGGLES (NVG) DO NOT COME ON WHEN NVG POWER CONVERTER SWITCH IS SET TO ON WITH NVG POWER CONVERTER P/N 402-100-002 INSTALLED

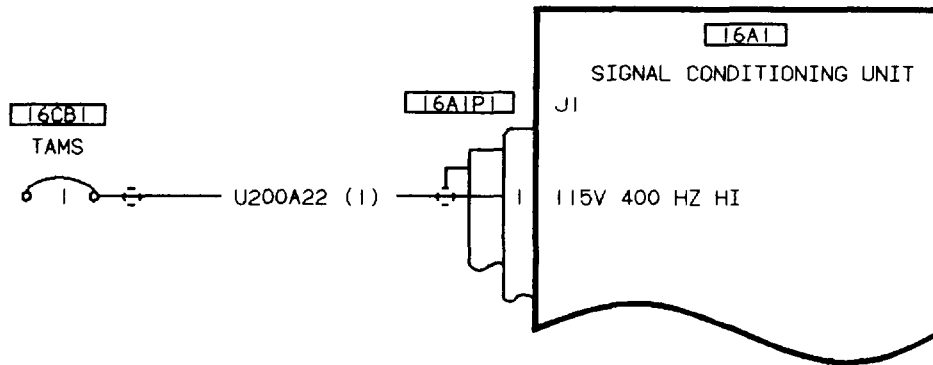
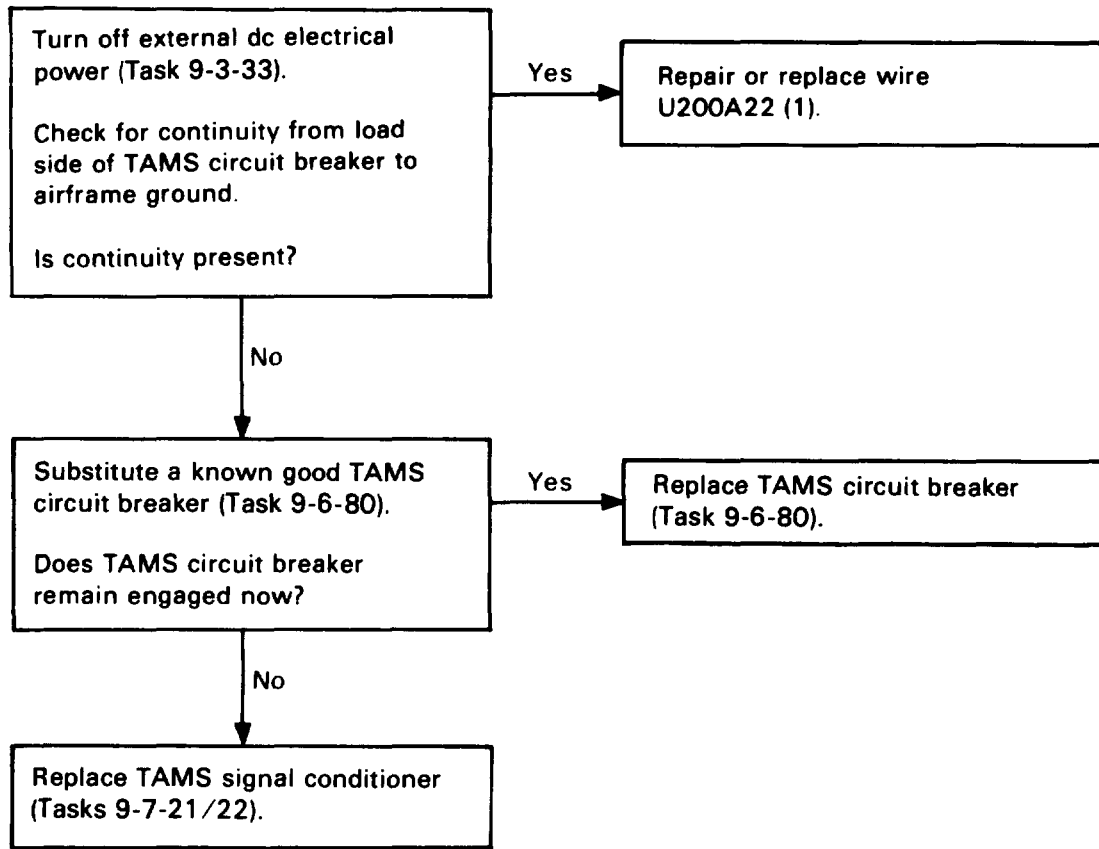


86. PILOT NIGHT VISION GOGGLES (NVG) DO NOT COME ON WHEN NVG POWER CONVERTER SWITCH IS SET TO ON WITH NVG POWER CONVERTER P/N 402-100-002 INSTALLED (CONT)



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HI 104

87. TAMS CIRCUIT BREAKER WILL NOT STAY CLOSED



406475-403

88. TAMS NO GO APPEARS ON MFD

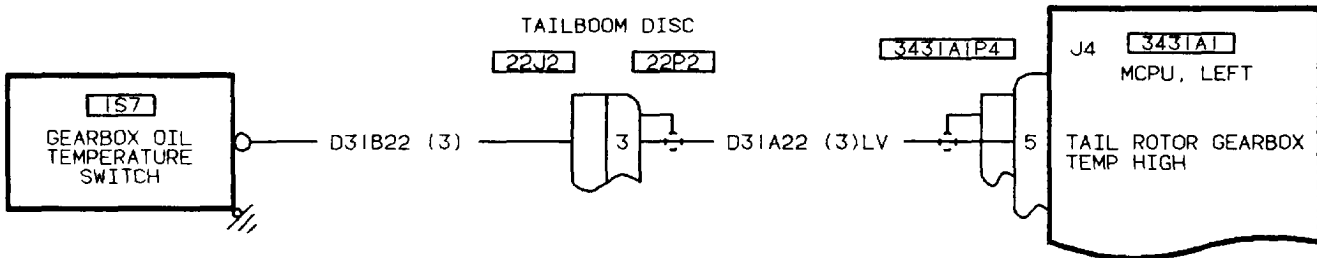
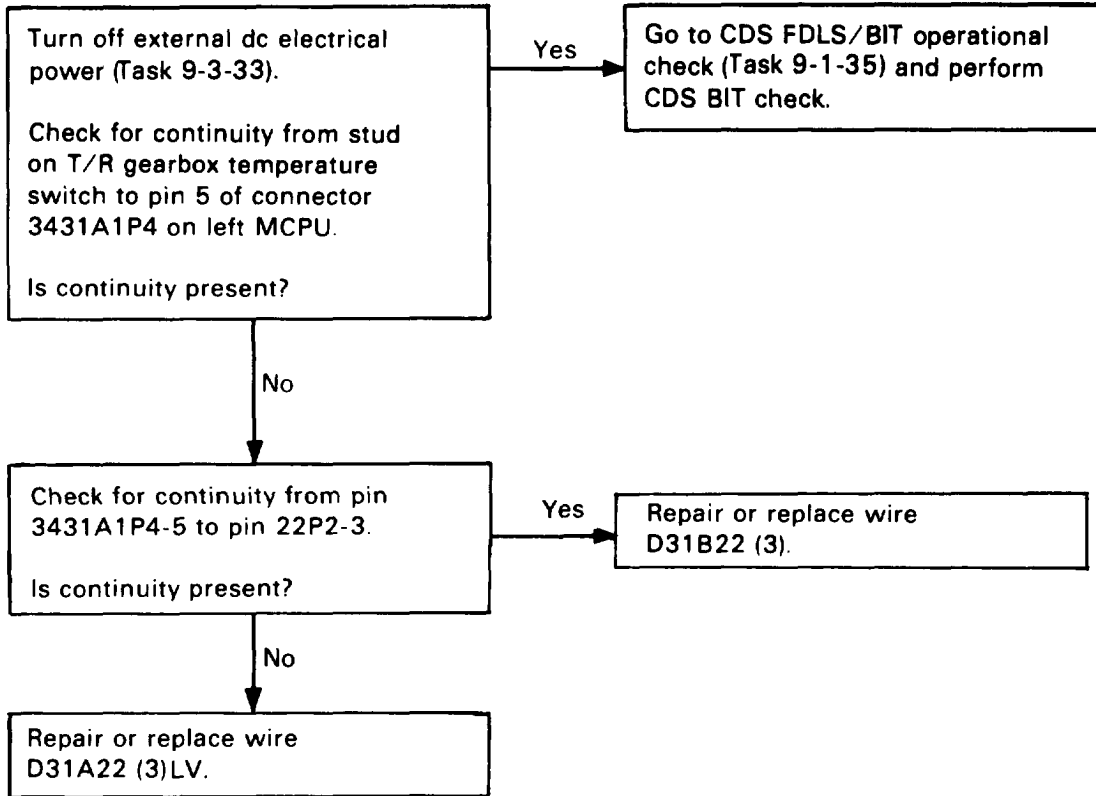
One of the following messages will also appear on MFD:

ELECTRONICS FAIL
LEFT FRONT LVDT FAIL
LEFT AFT LVDT FAIL
RIGHT FRONT LVDT FAIL
RIGHT AFT LVDT FAIL

Replace signal conditioning unit if ELECTRONICS FAIL is indicated (Tasks 9-7-21/22).

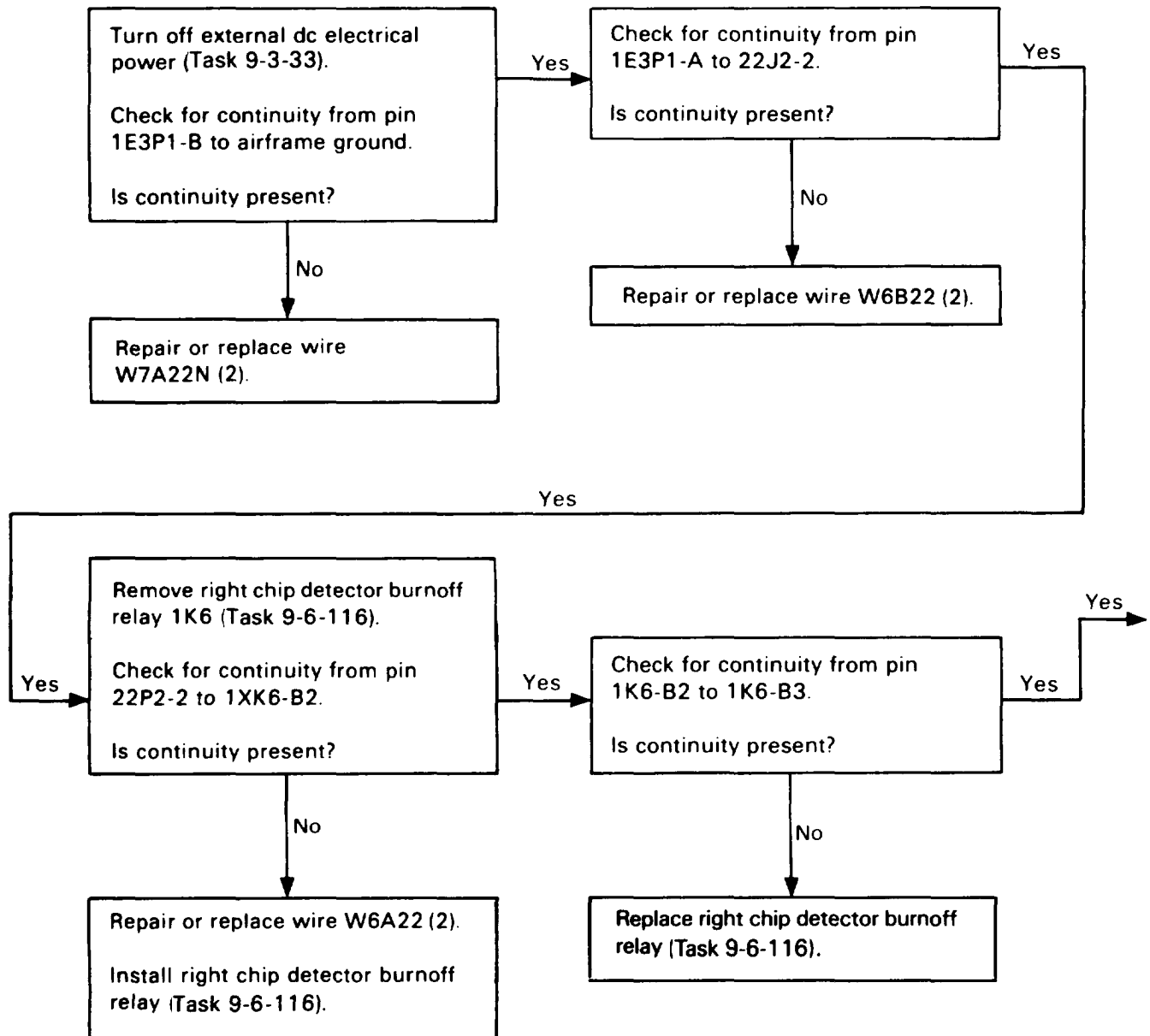
Replace LVDT if other messages are indicated (Task 9-7-25).

89. CAUTION MESSAGE HIGH TEMP T/R GRBX DOES NOT COME ON WHEN TAIL ROTOR TEMPERATURE SWITCH IS GROUNDED

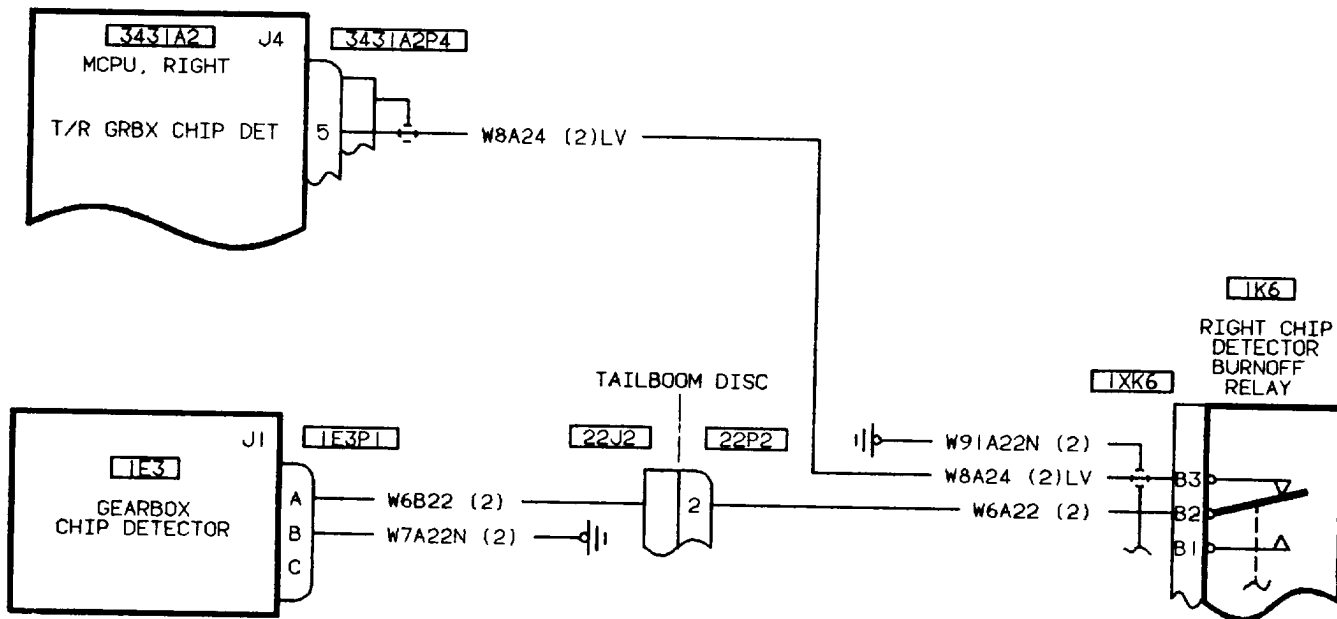
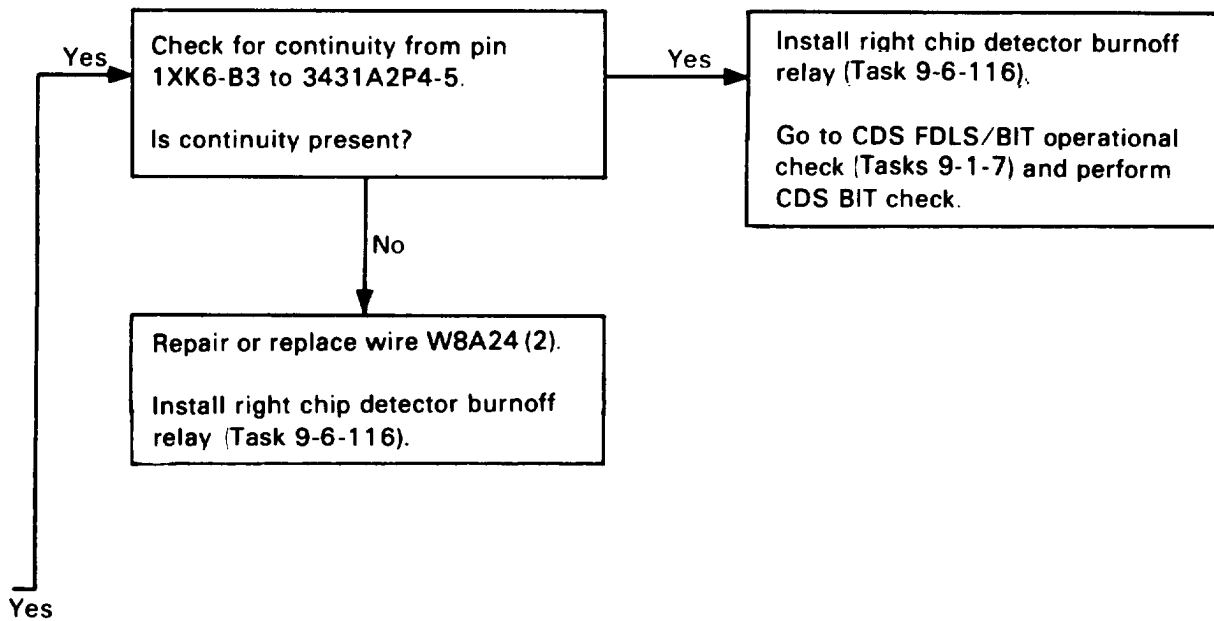


406475-345

90. CAUTION MESSAGE CHIP T/R GRBX DOES NOT COME ON (CONNECTOR 1E3P1 IS CONNECTED TO SPECIAL TEST TOOL AND TEST SWITCH SET ON)

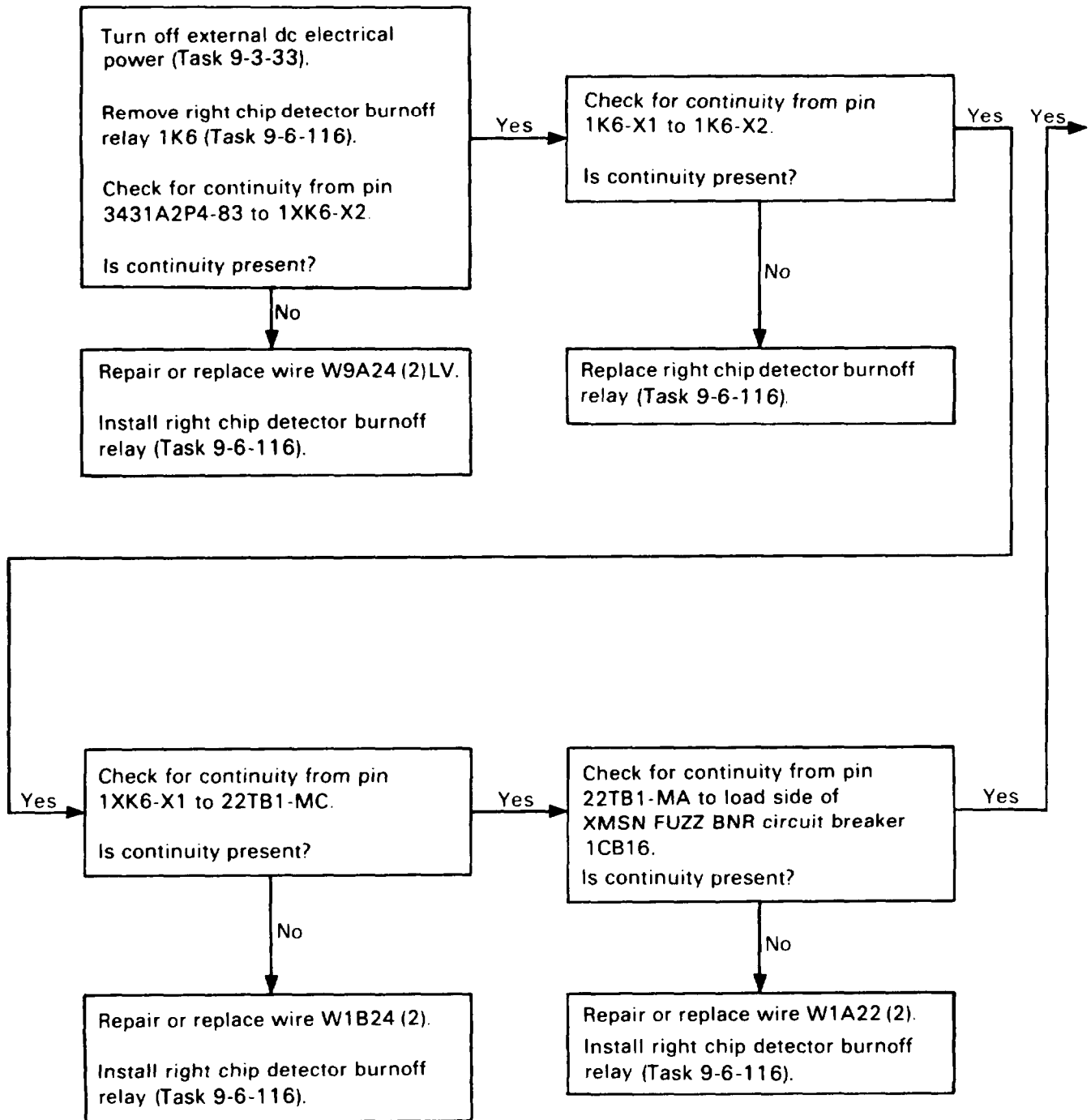


90. CAUTION MESSAGE CHIP T/R GRBX DOES NOT COME ON (CONNECTOR 1E3P1 IS CONNECTED TO SPECIAL TEST TOOL AND TEST SWITCH SET ON) (CONT)

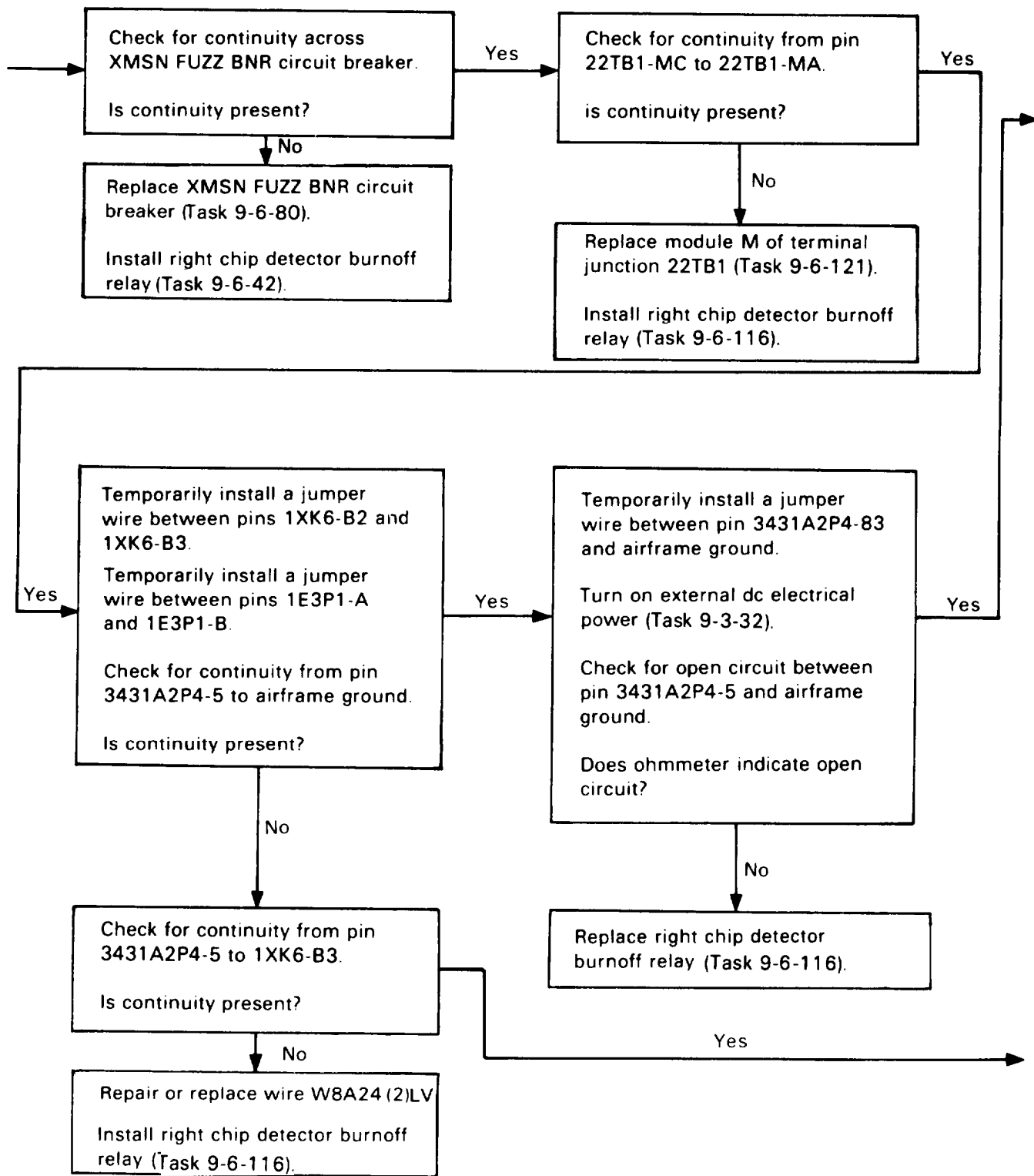


406475-346

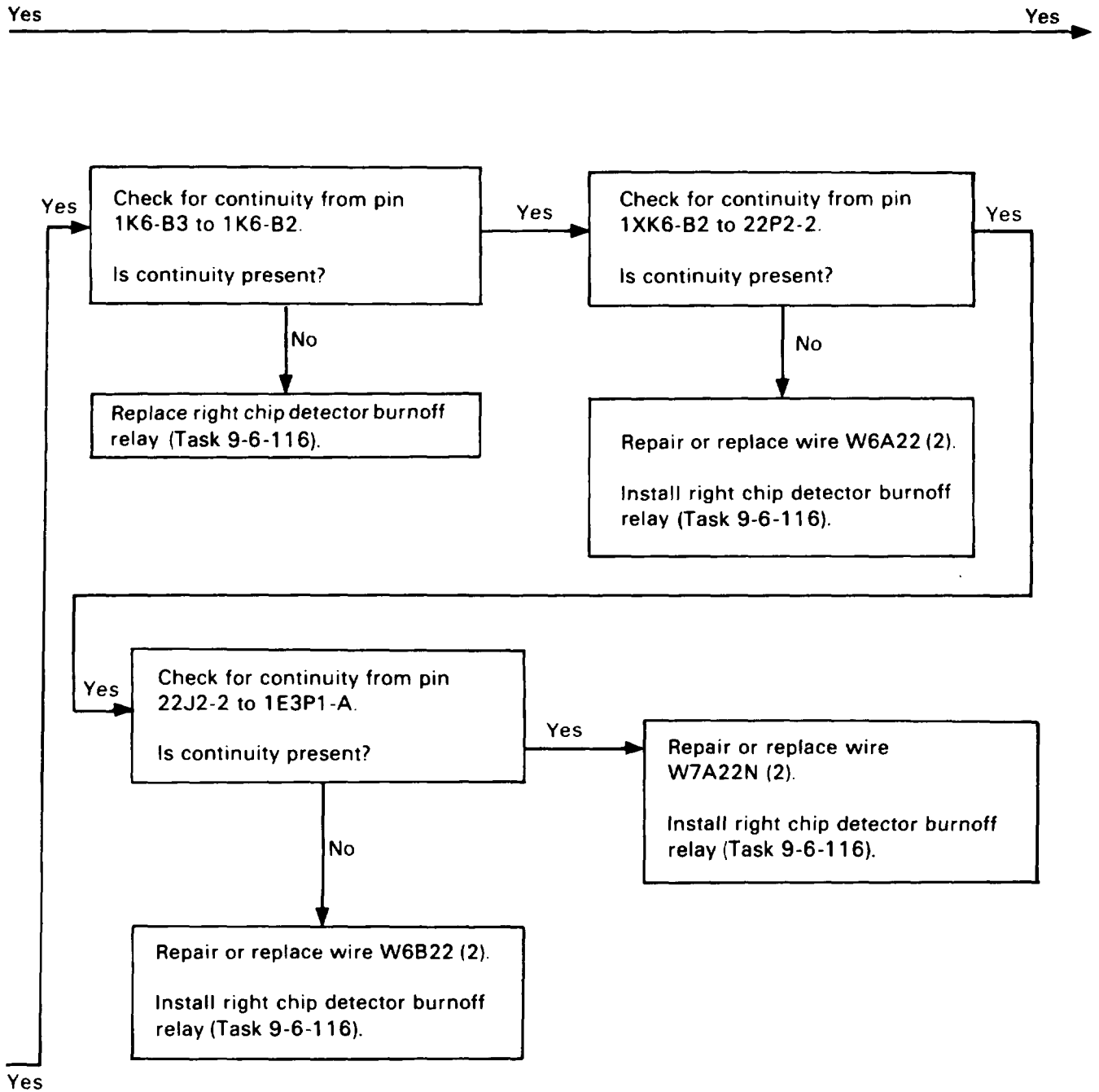
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON



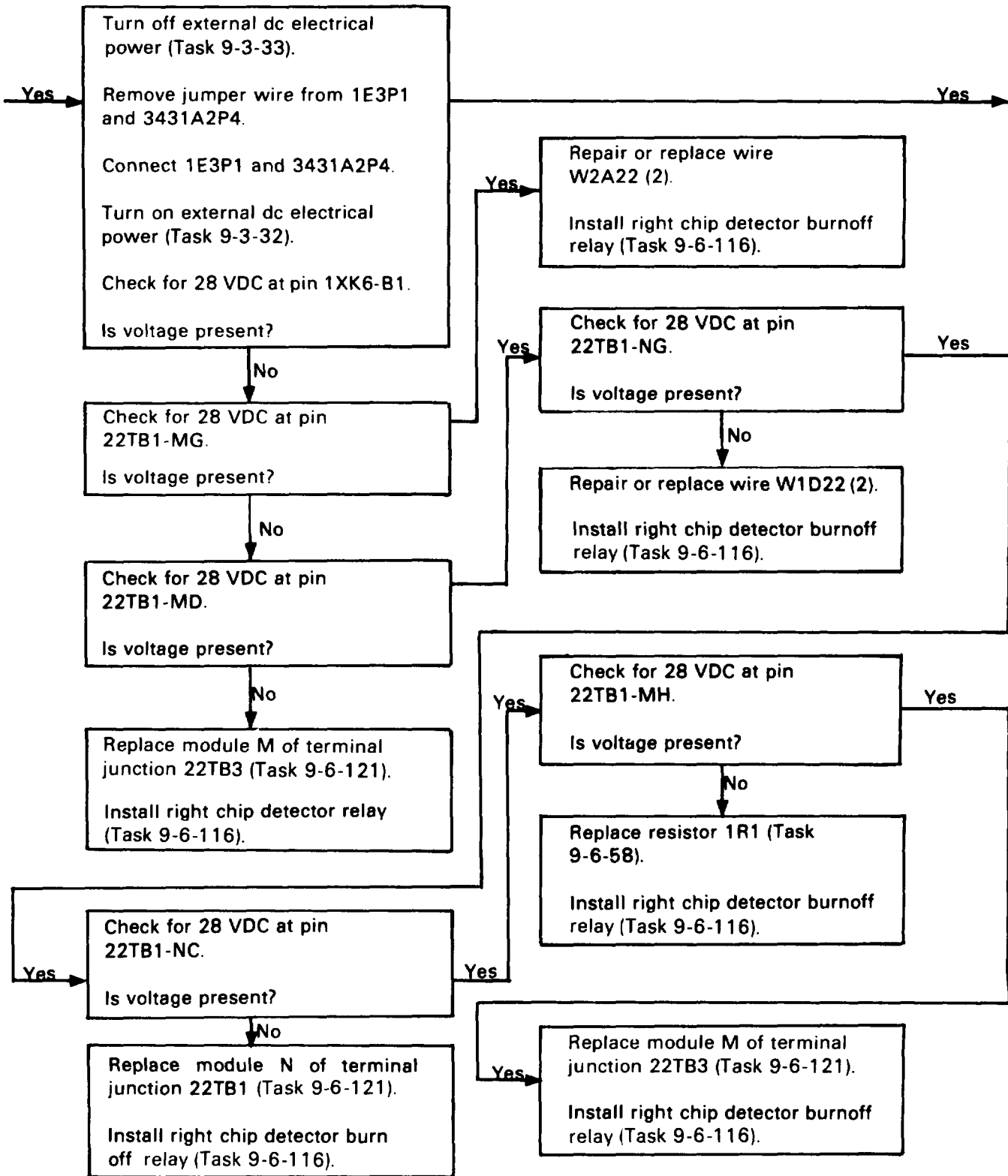
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



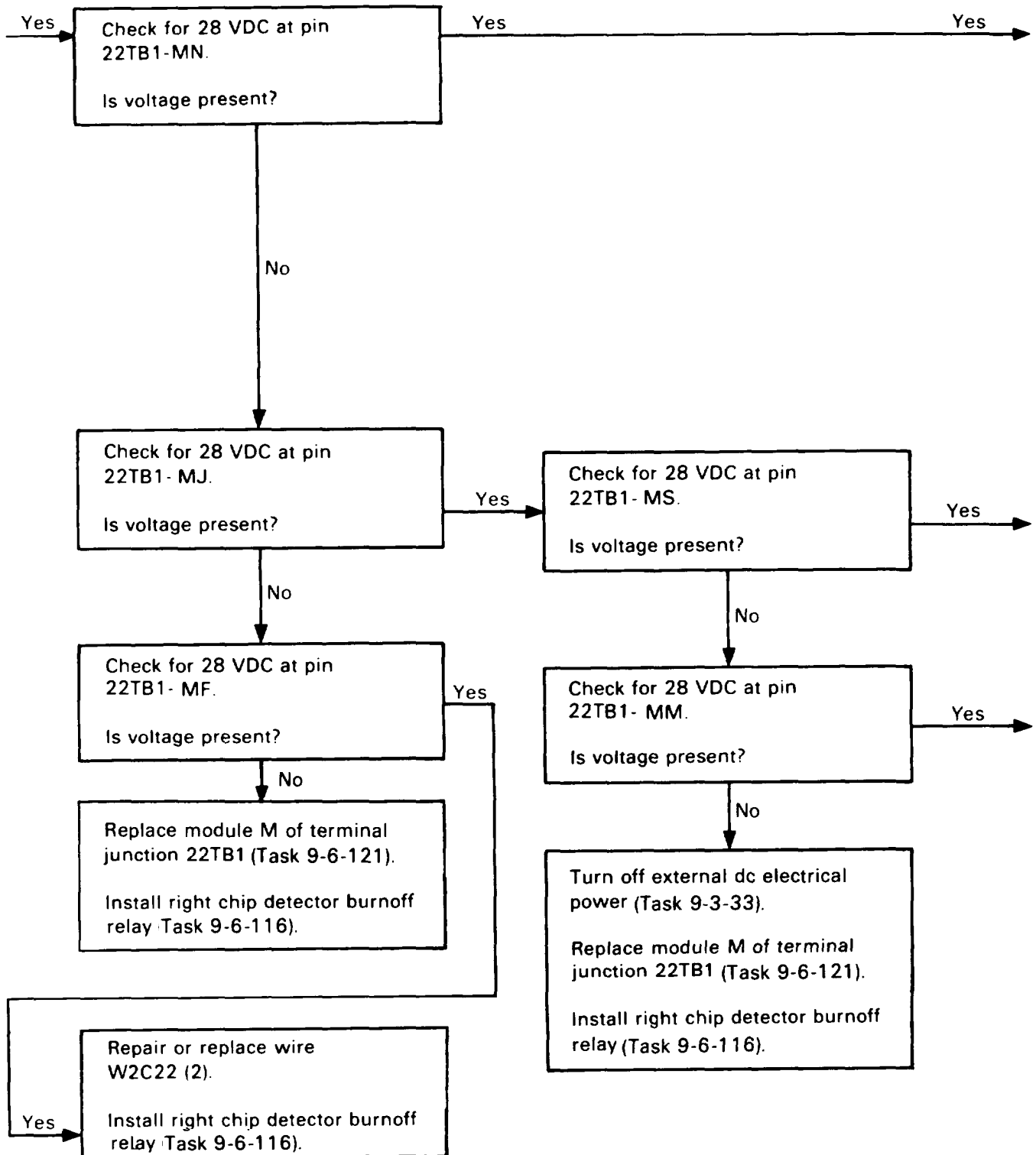
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



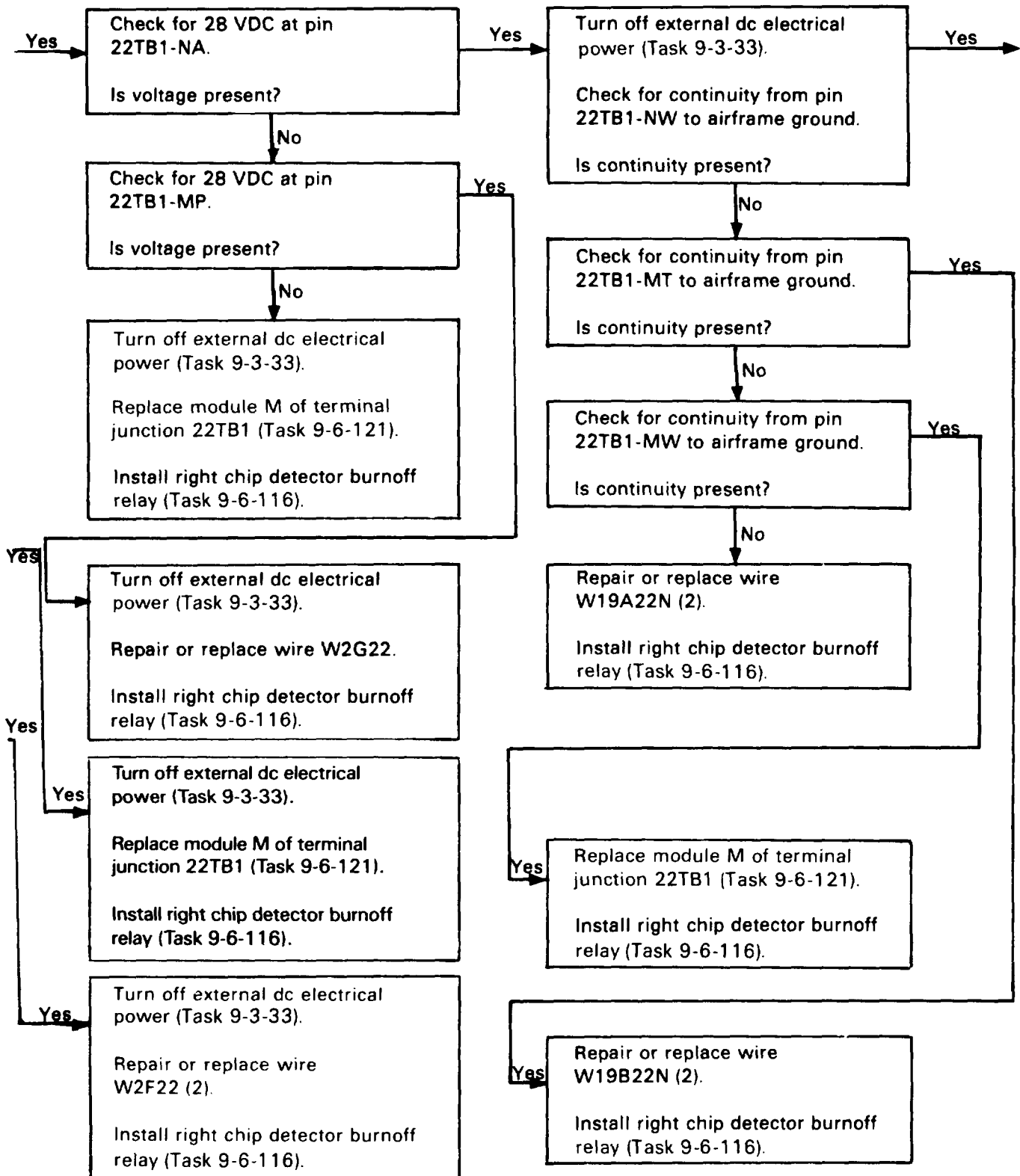
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



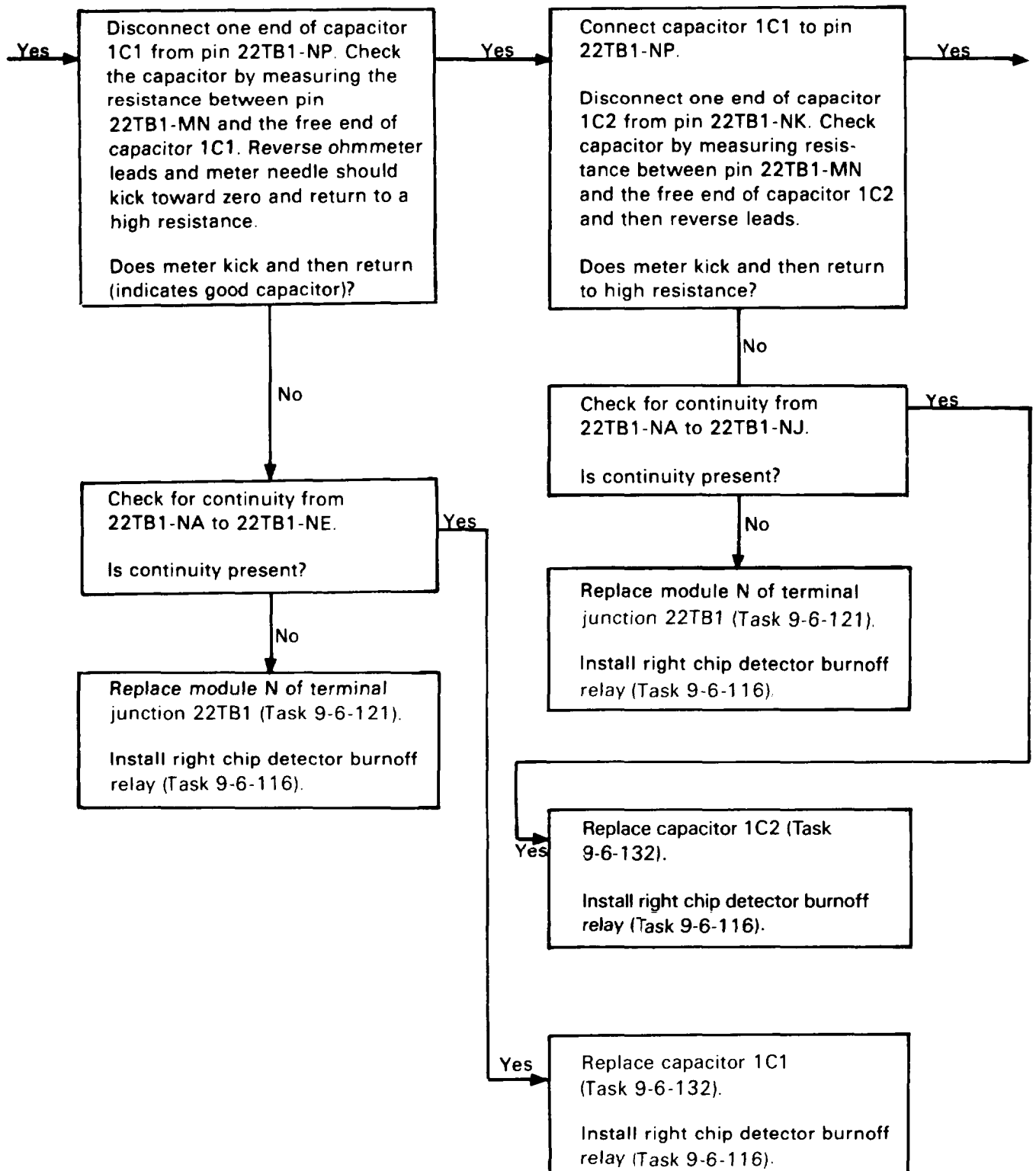
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



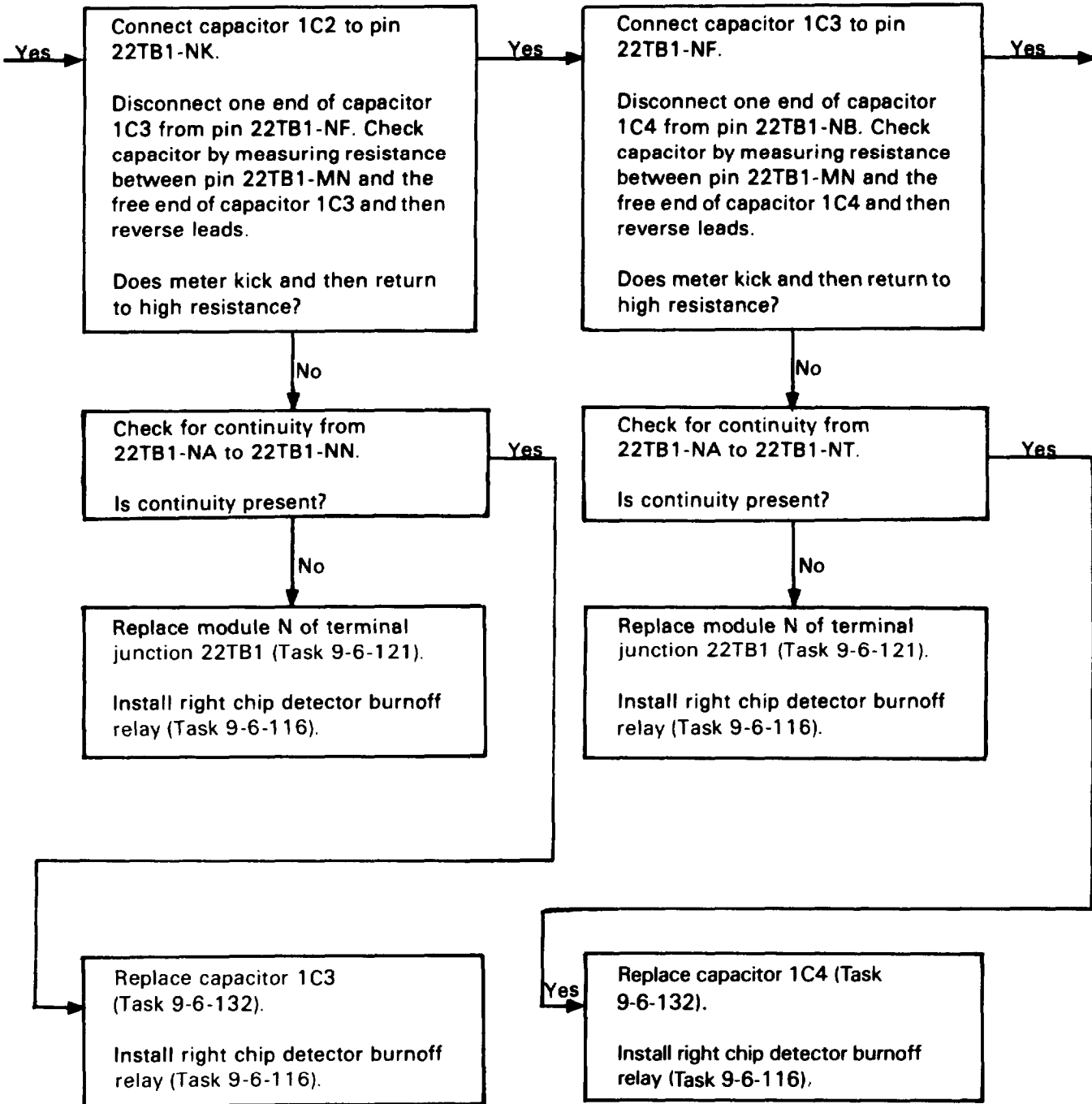
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



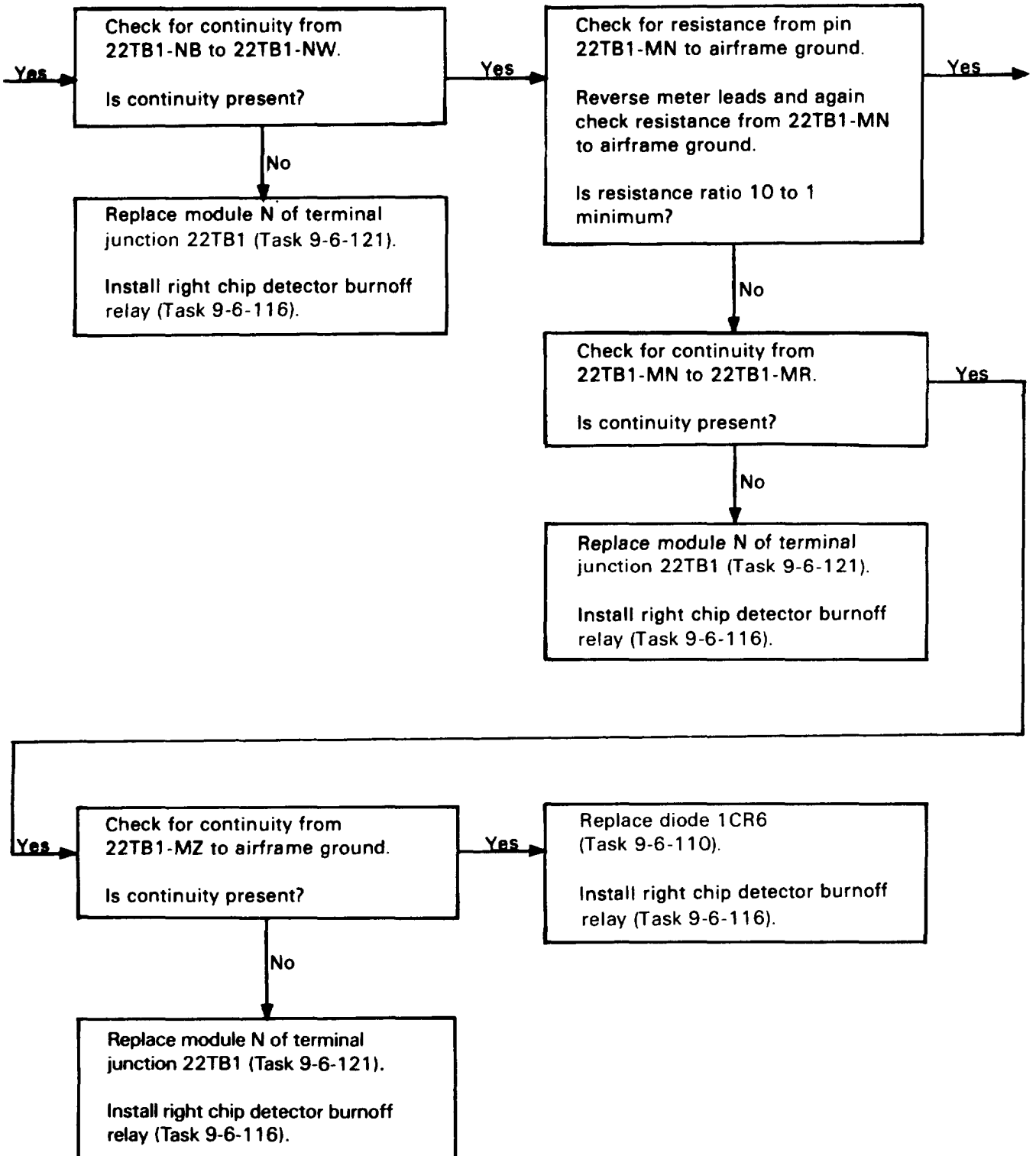
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



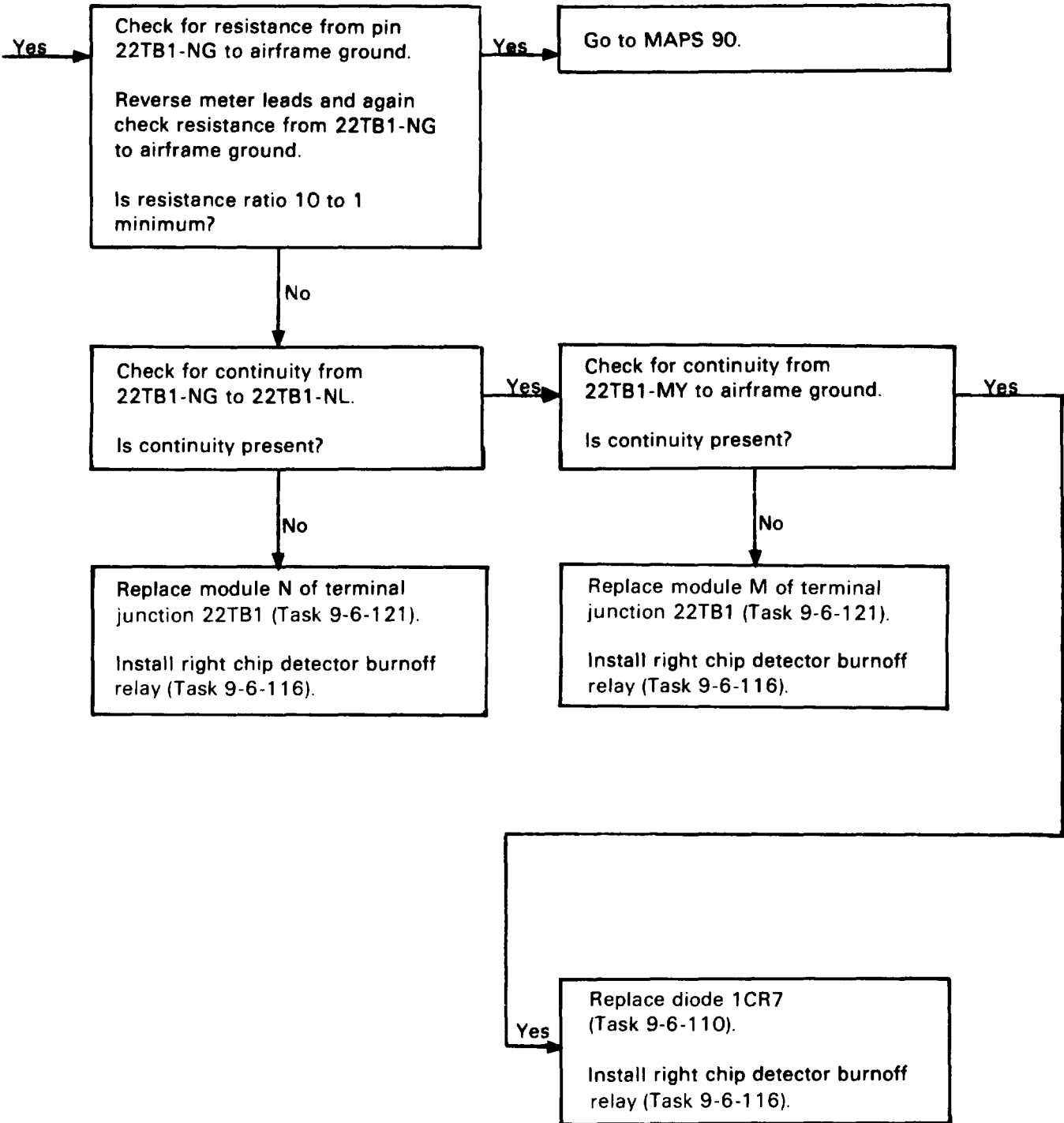
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



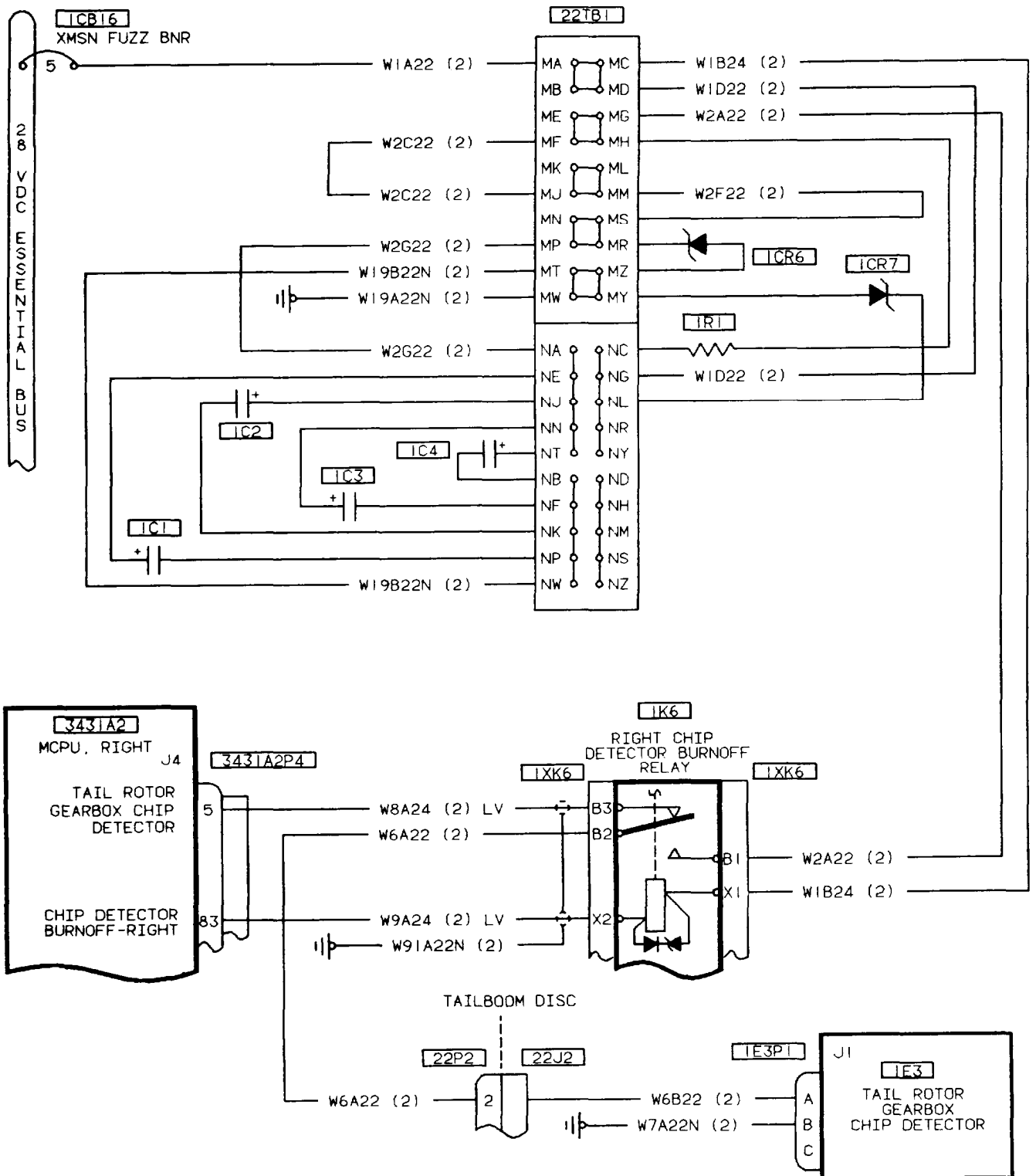
91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)

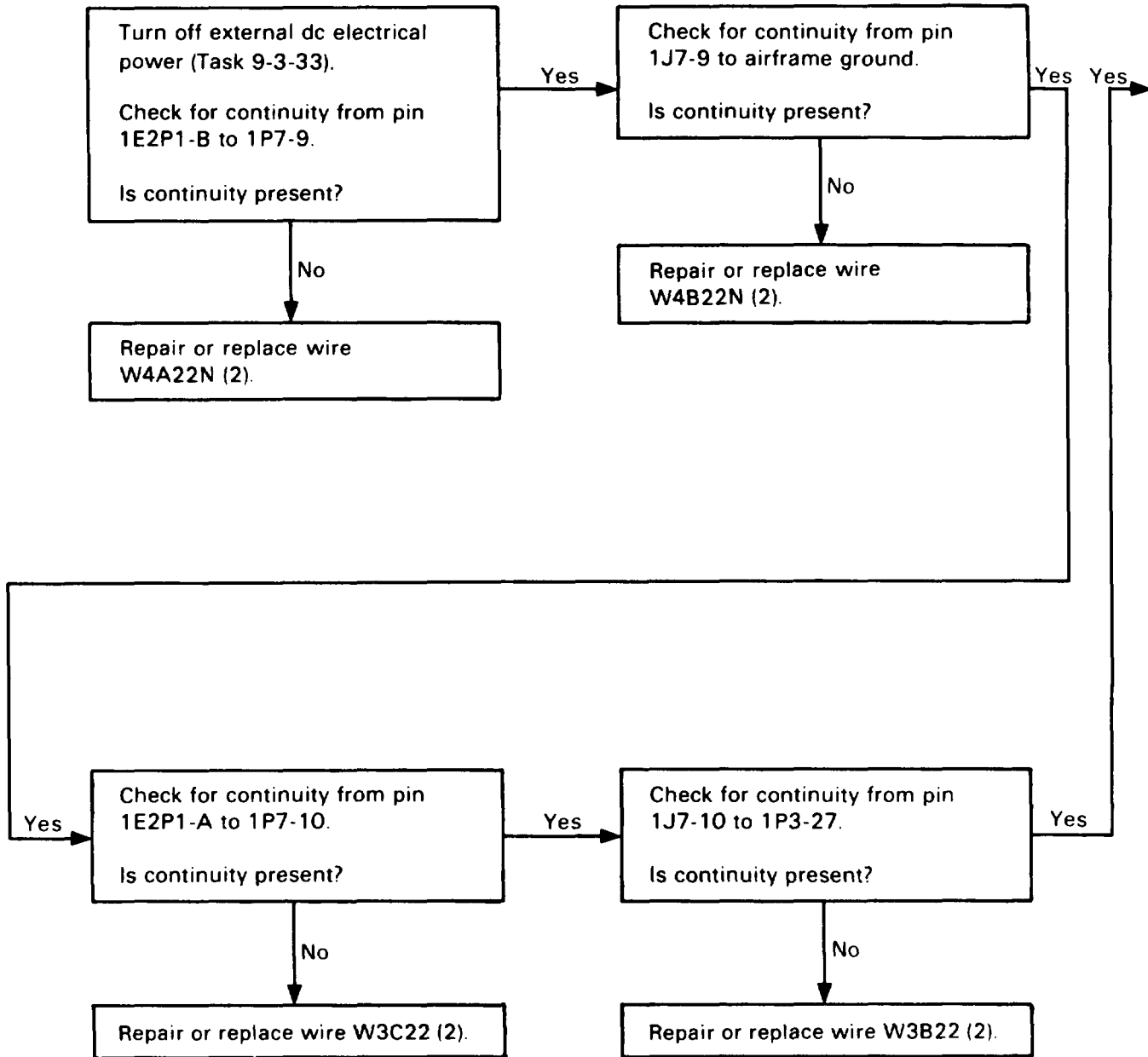


91. TAIL ROTOR GEARBOX CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)

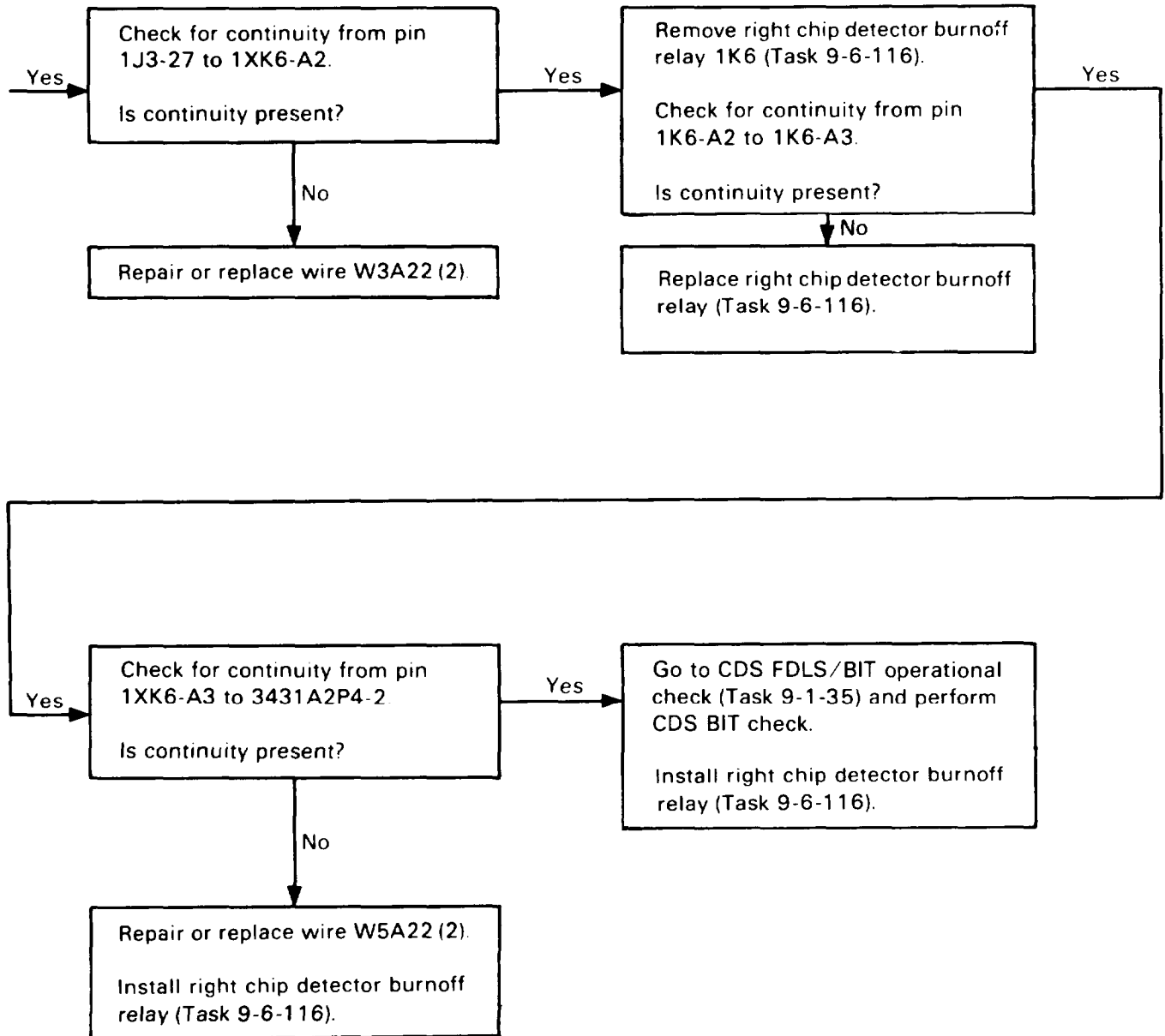


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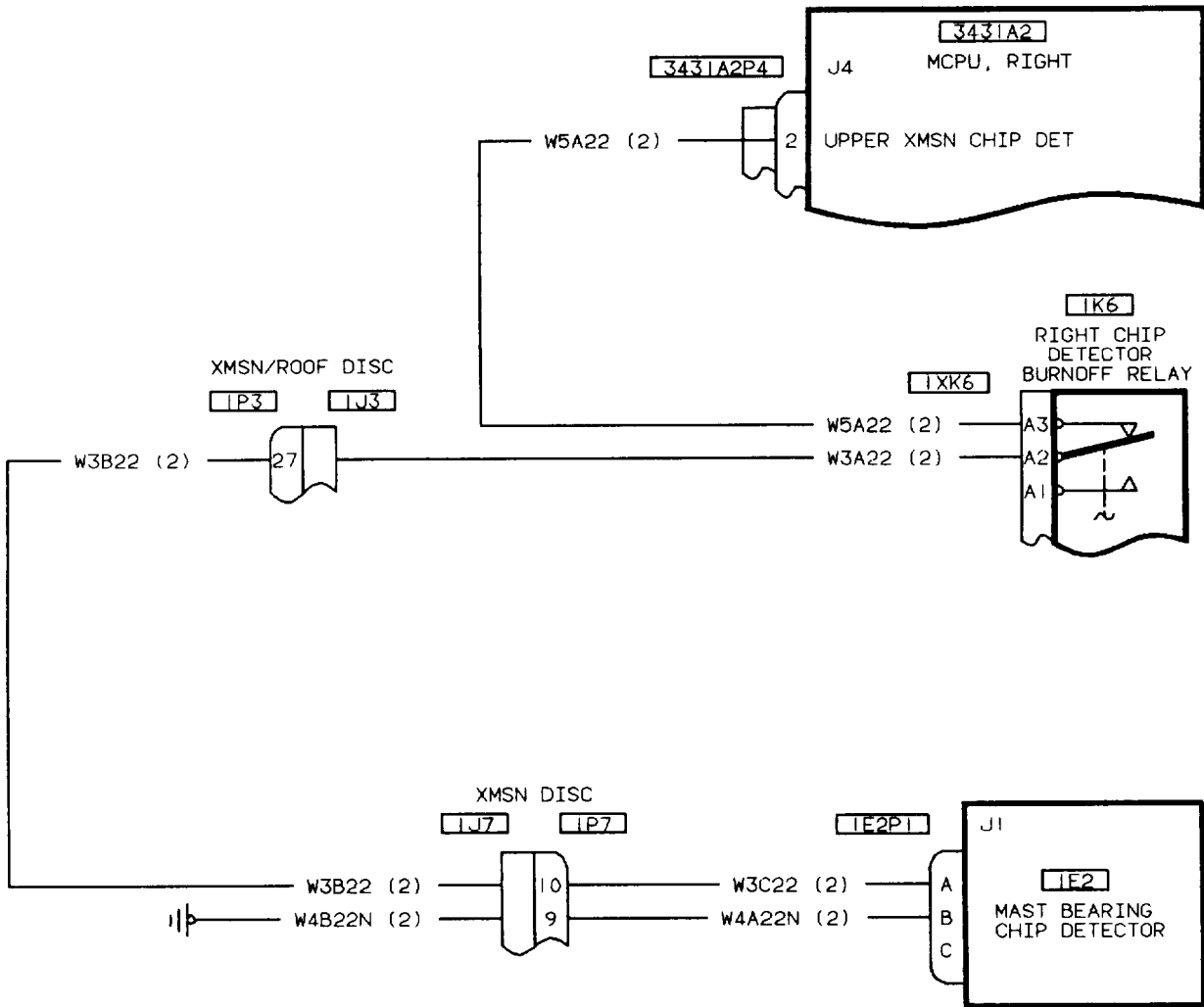
92. CAUTION MESSAGE CHIP XMSN UPPER DOES NOT COME ON (CONNECTOR 1E2P1 CONNECTED TO SPECIAL TEST TOOL AND SWITCH SET TO ON)



92. CAUTION MESSAGE CHIP XMSN UPPER DOES NOT COME ON (CONNECTOR 1E2P1 CONNECTED TO SPECIAL TEST TOOL AND SWITCH SET TO ON) (CONT)

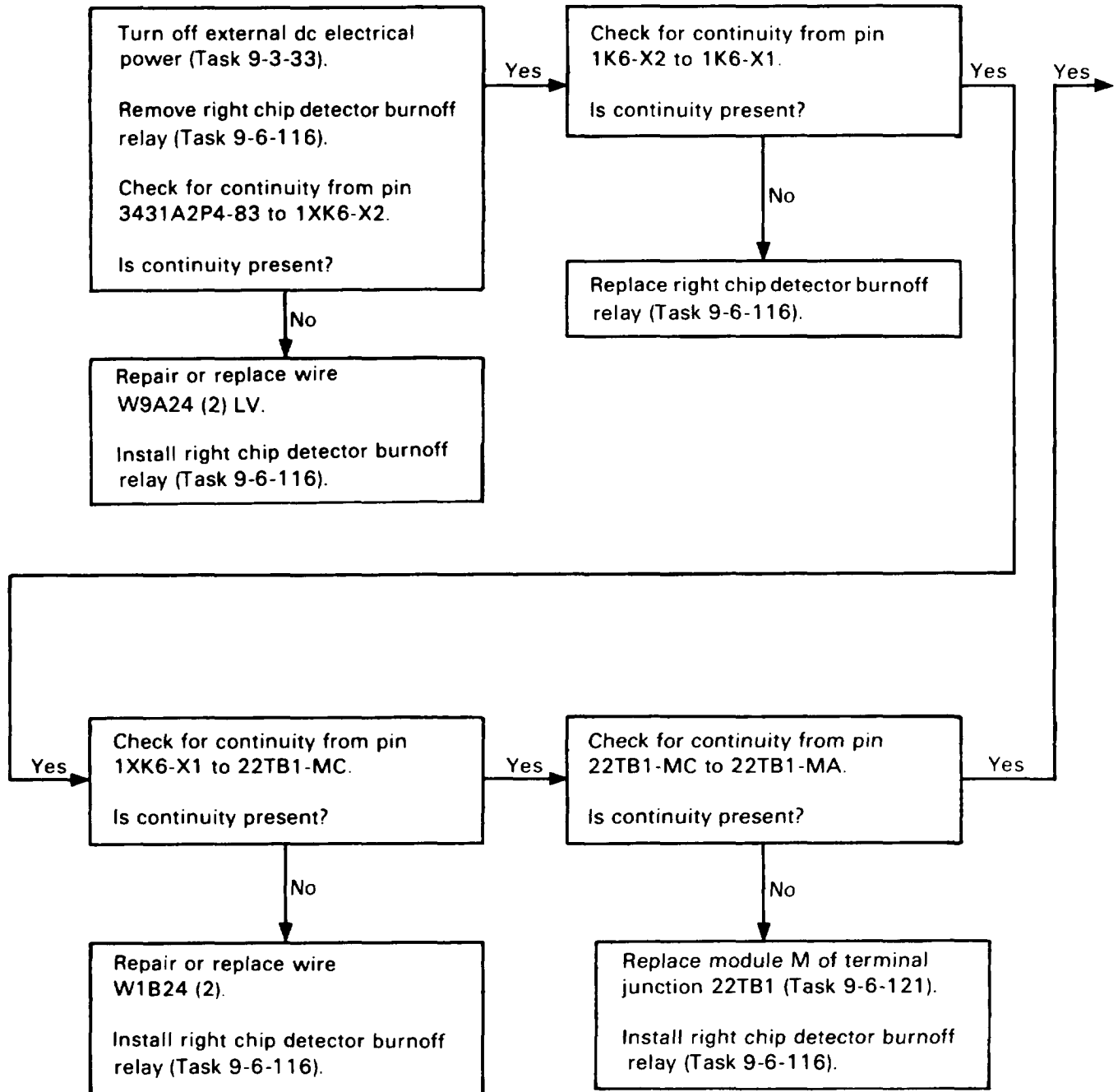


92. CAUTION MESSAGE CHIP XMSN UPPER DOES NOT COME ON (CONNECTOR 1E2P1 CONNECTED TO SPECIAL TEST TOOL AND SWITCH SET TO ON) (CONT)

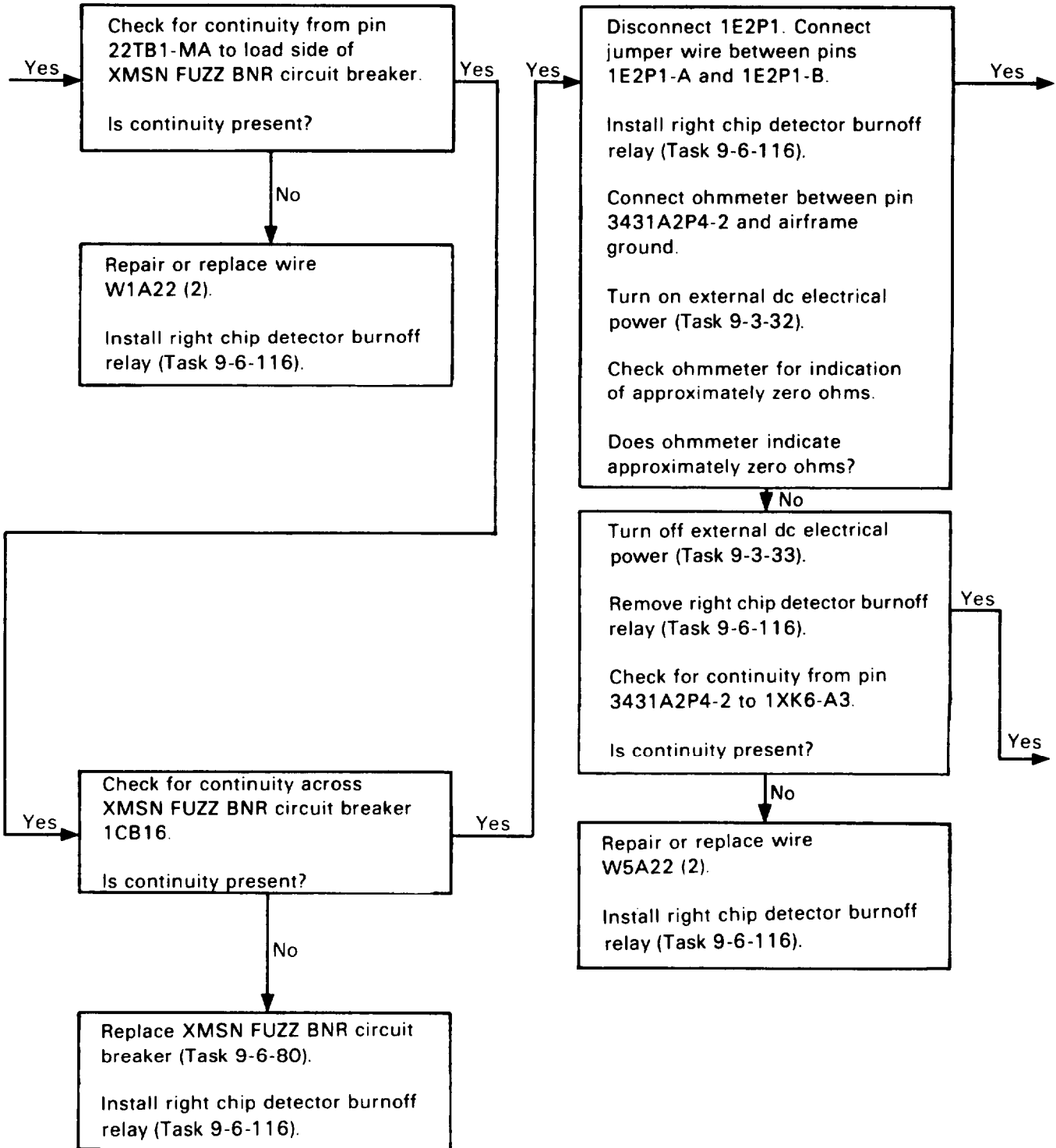


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H1104

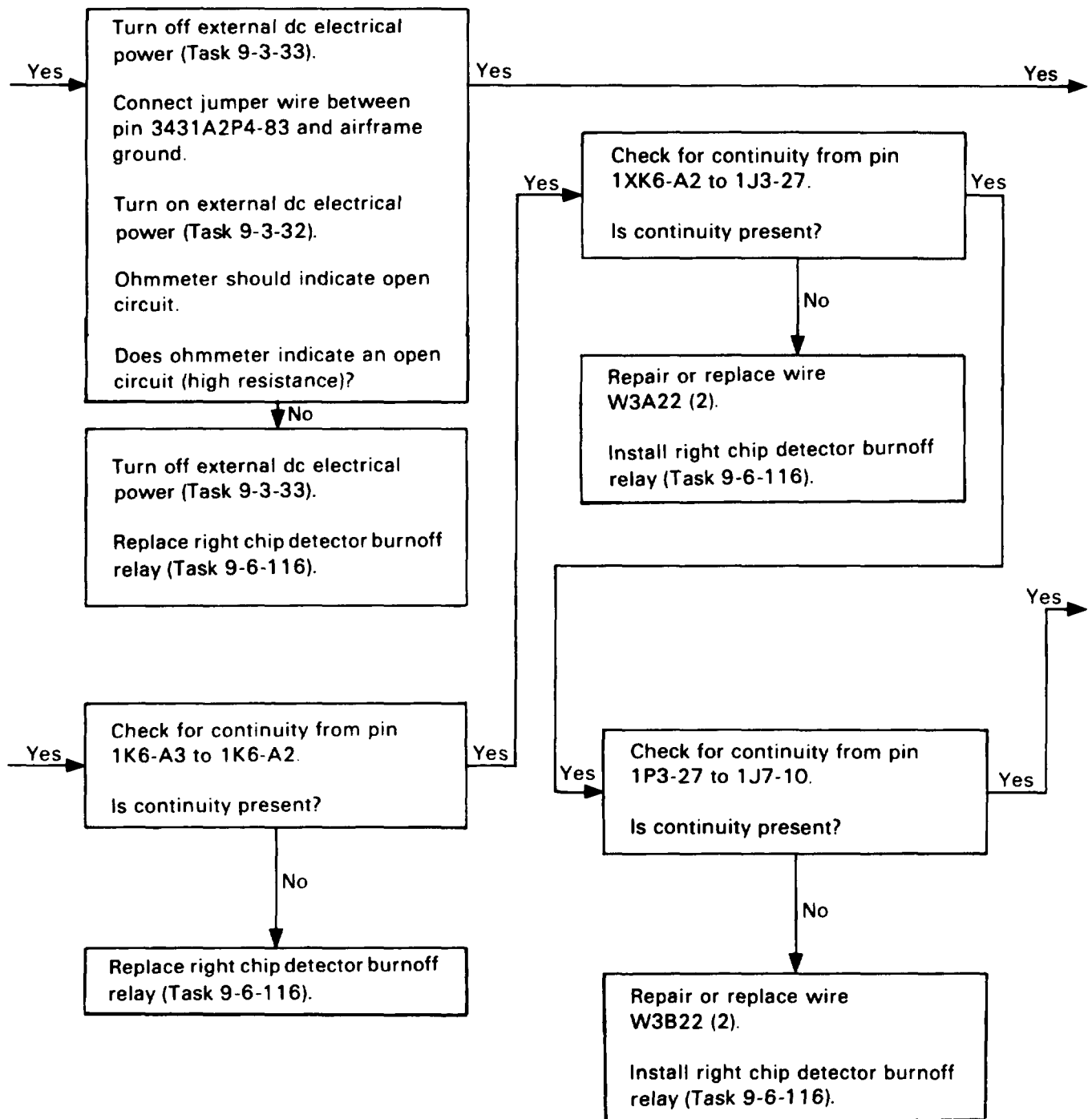
93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE (SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON)



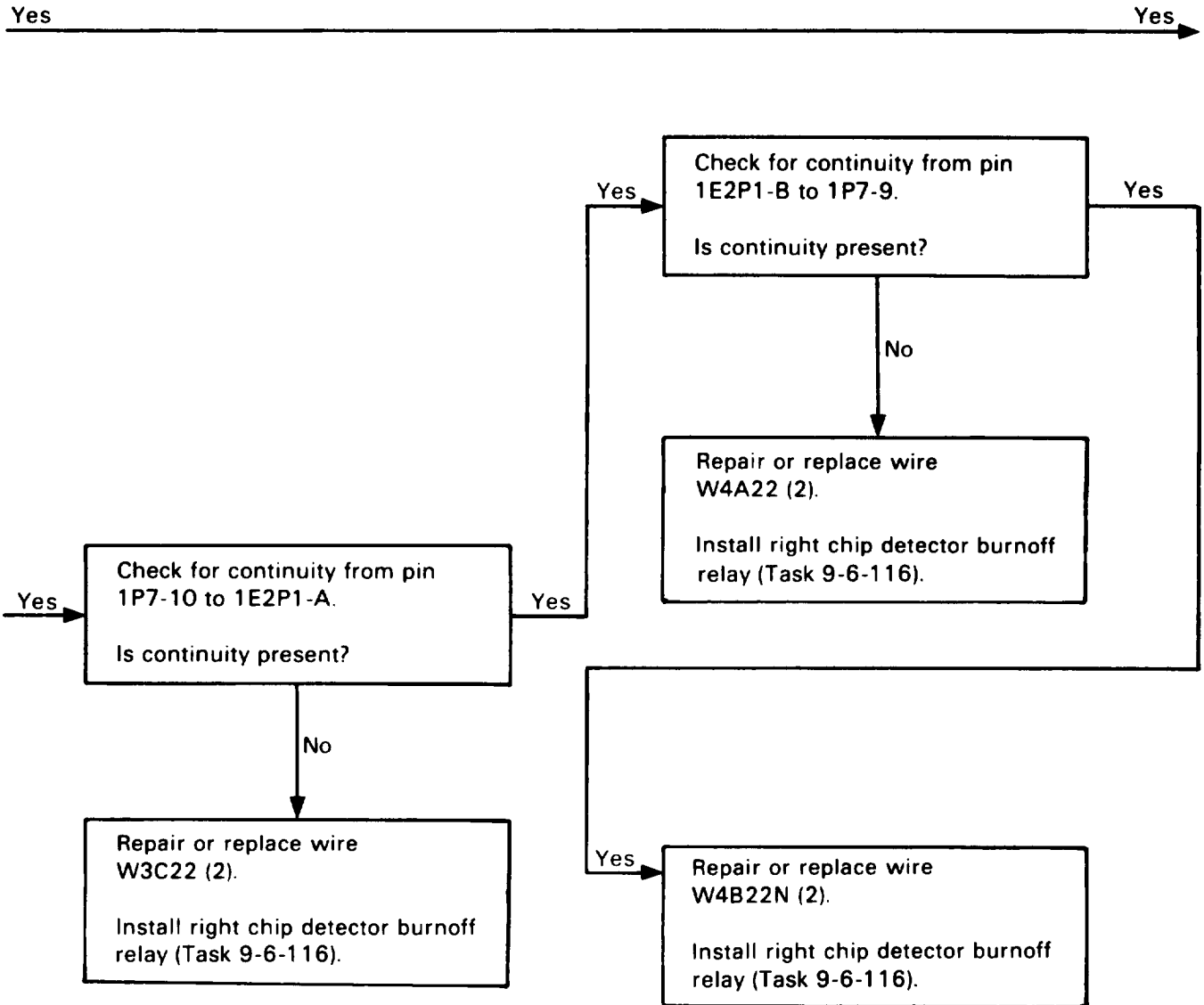
93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE (SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON) (CONT)



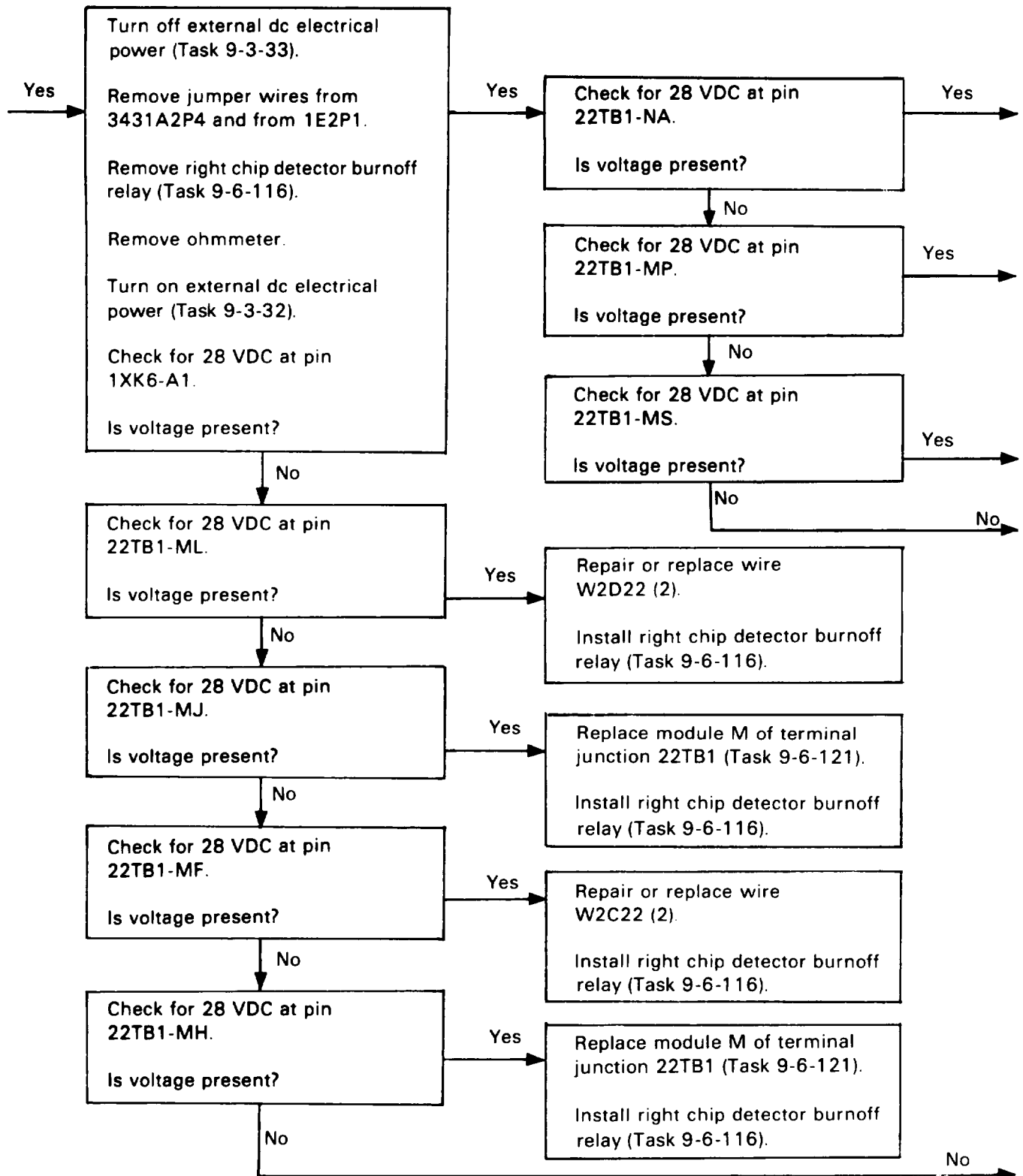
93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE (SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON) (CONT)



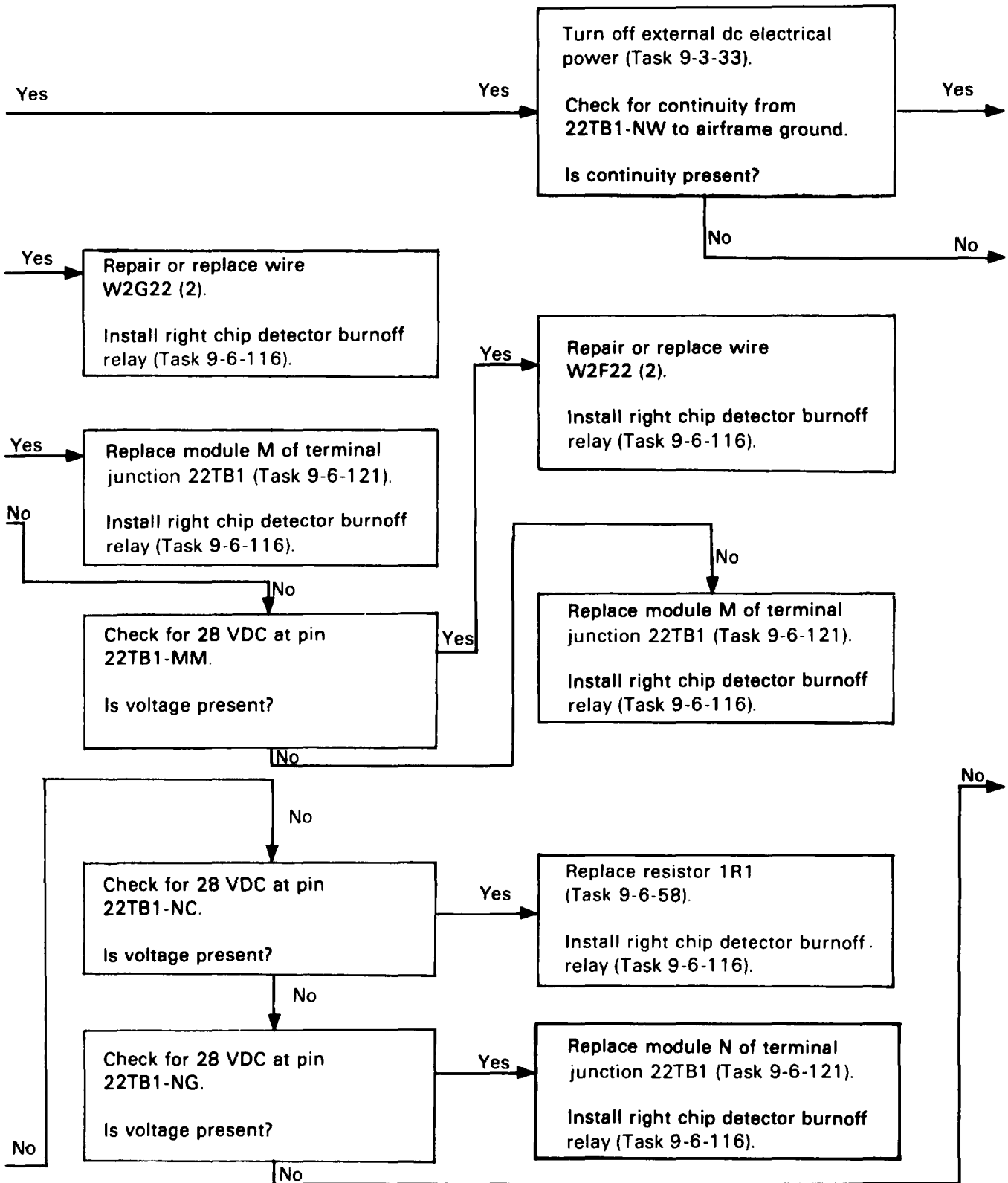
93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE (SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON) (CONT)



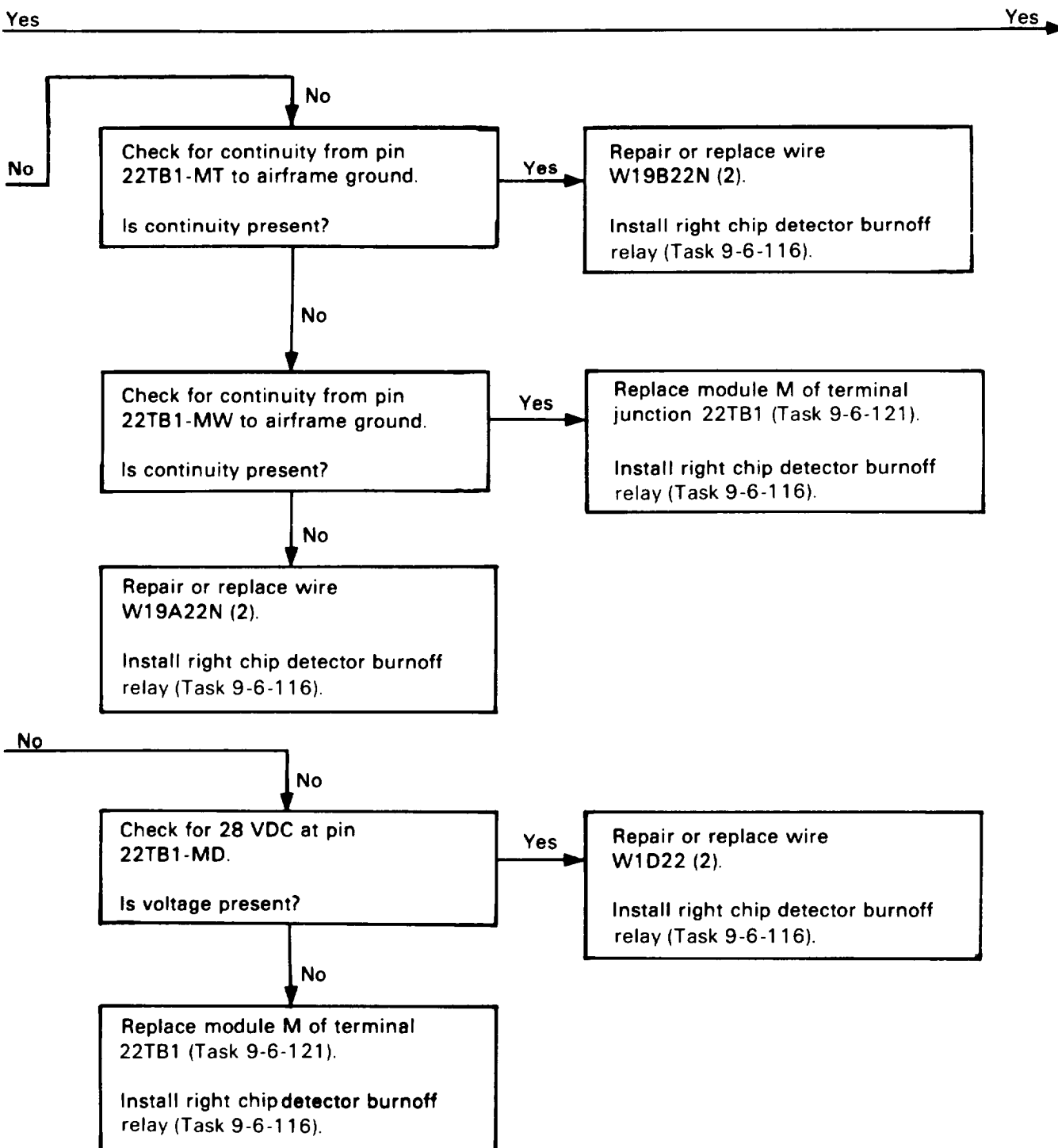
93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE (SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON) (CONT)



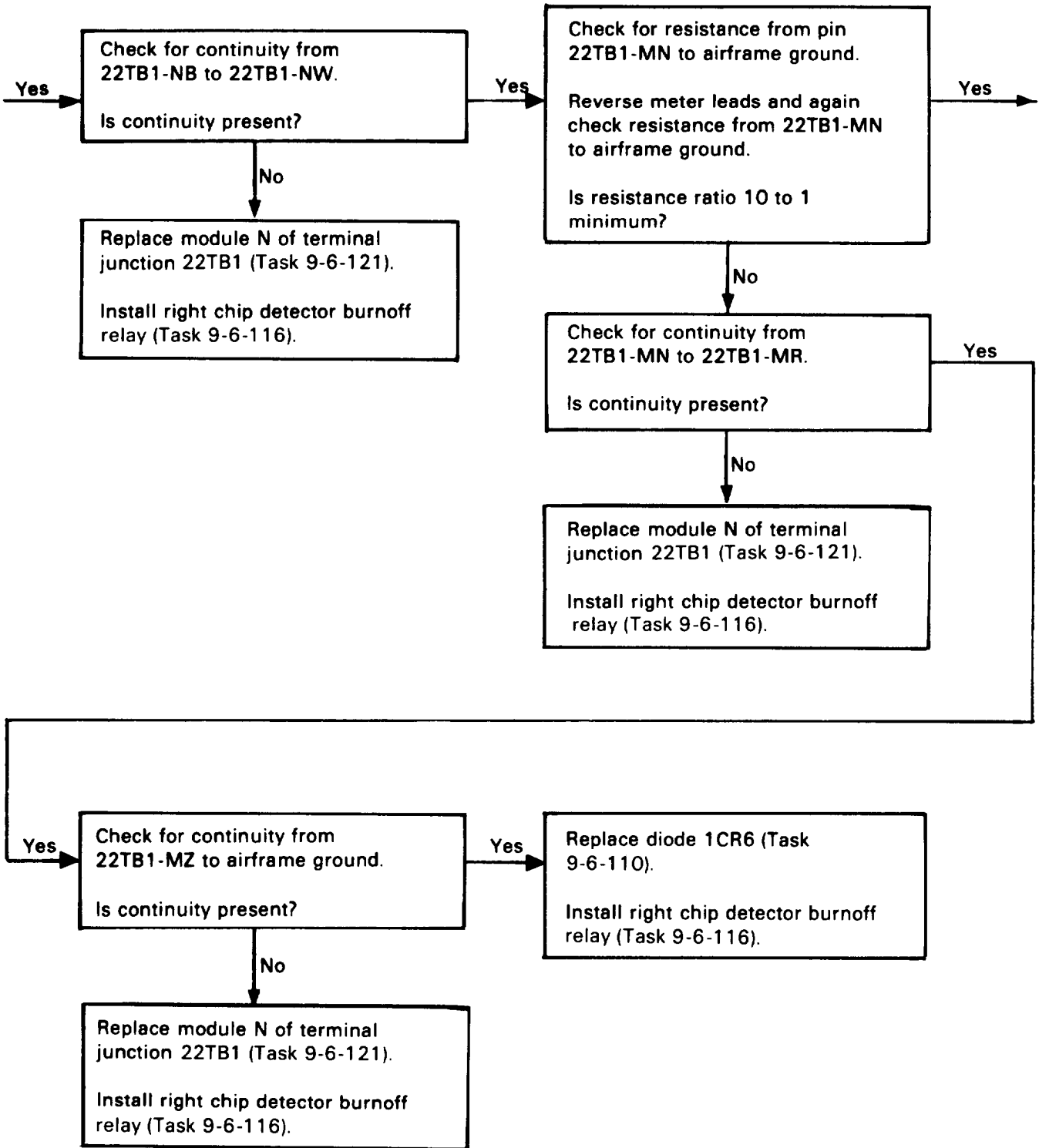
93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE (SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON) (CONT)



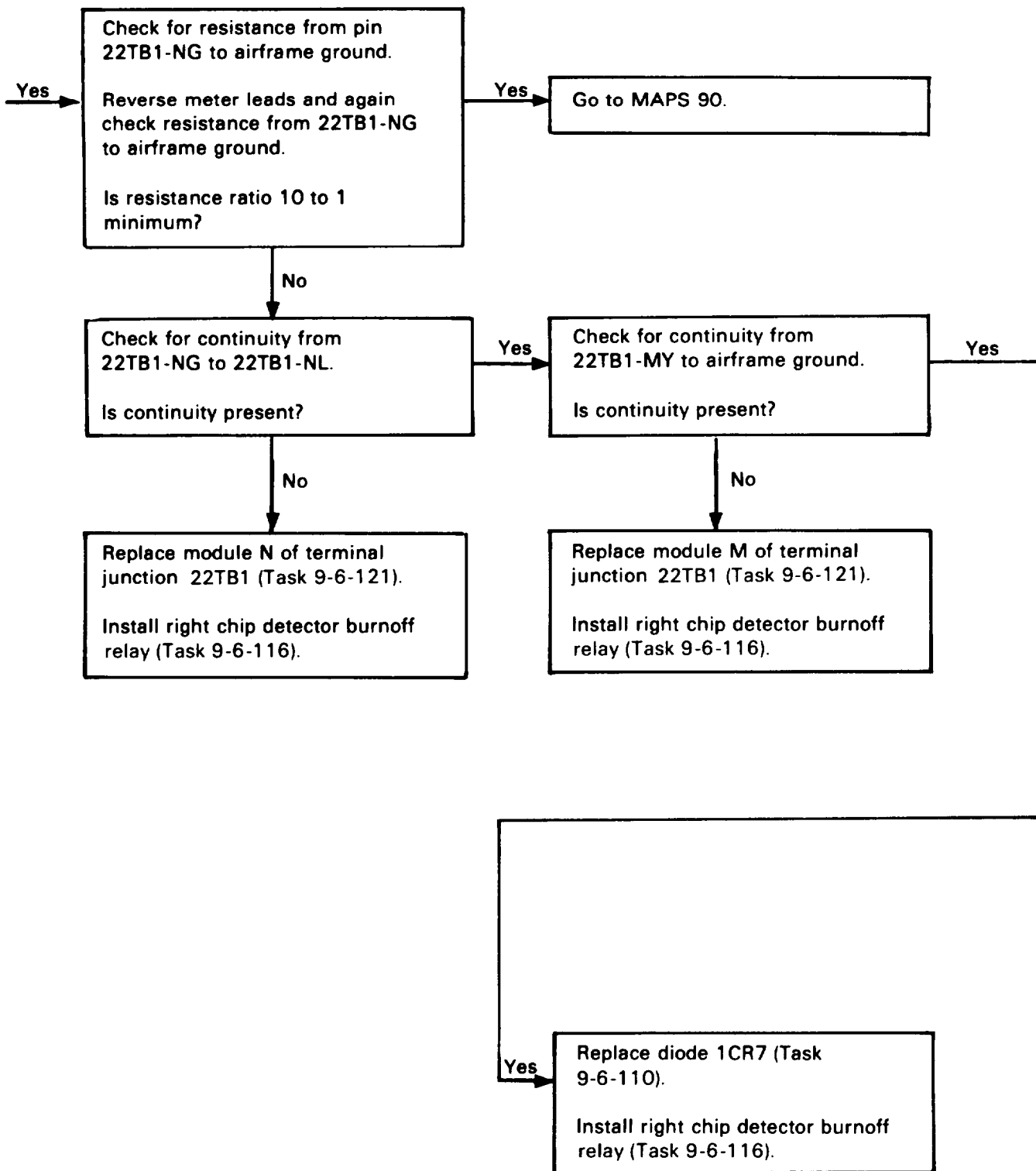
93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



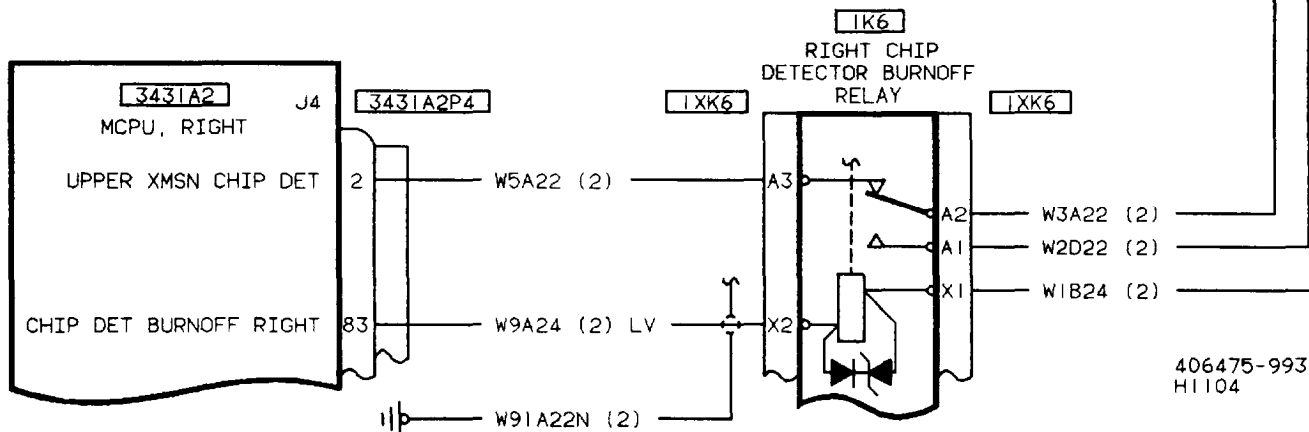
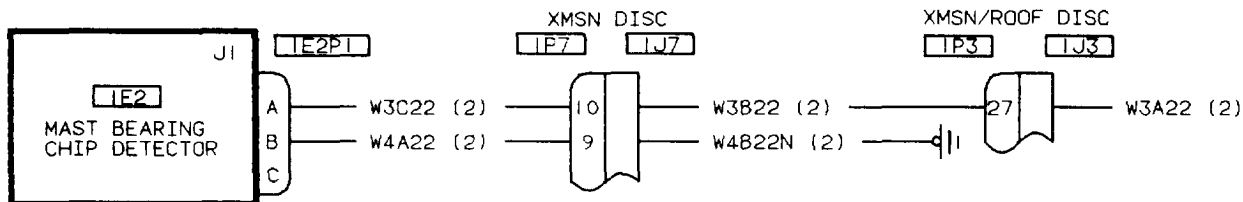
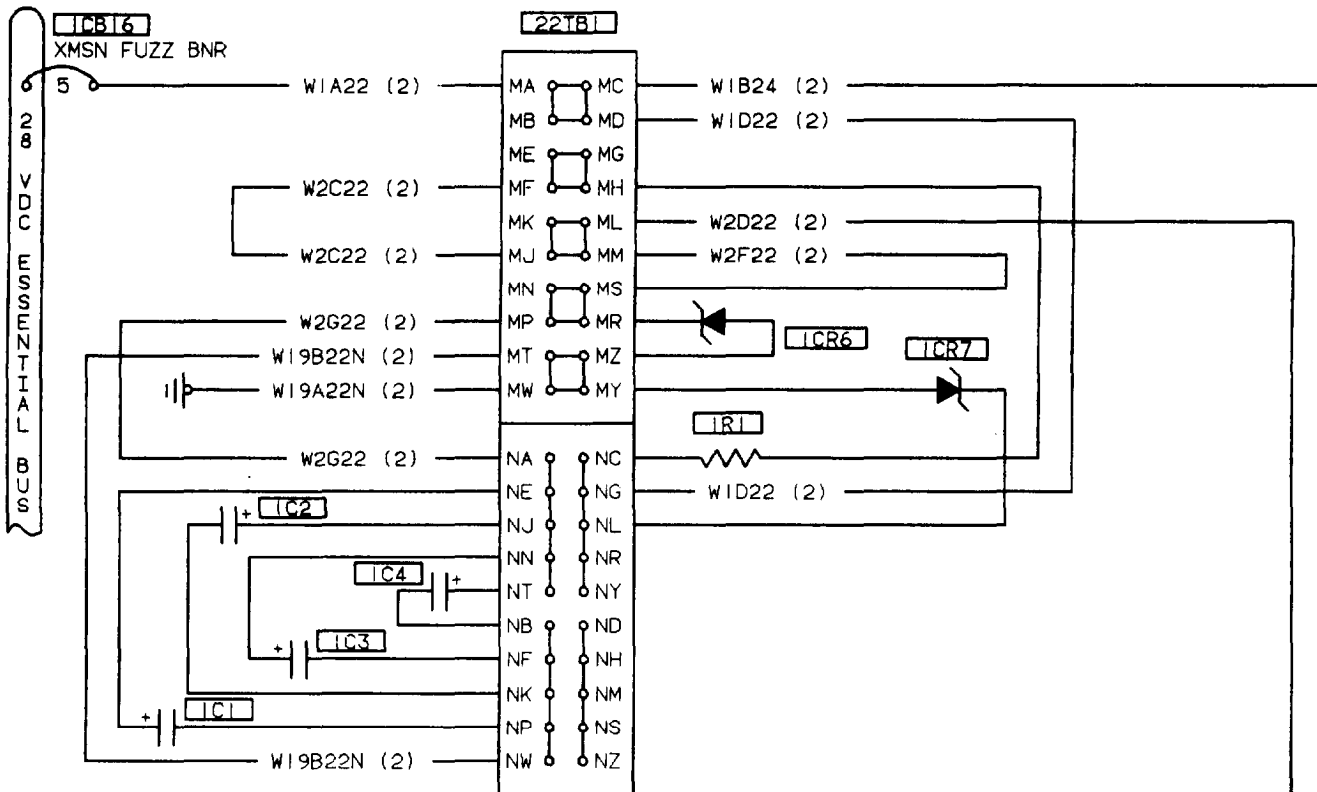
93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)

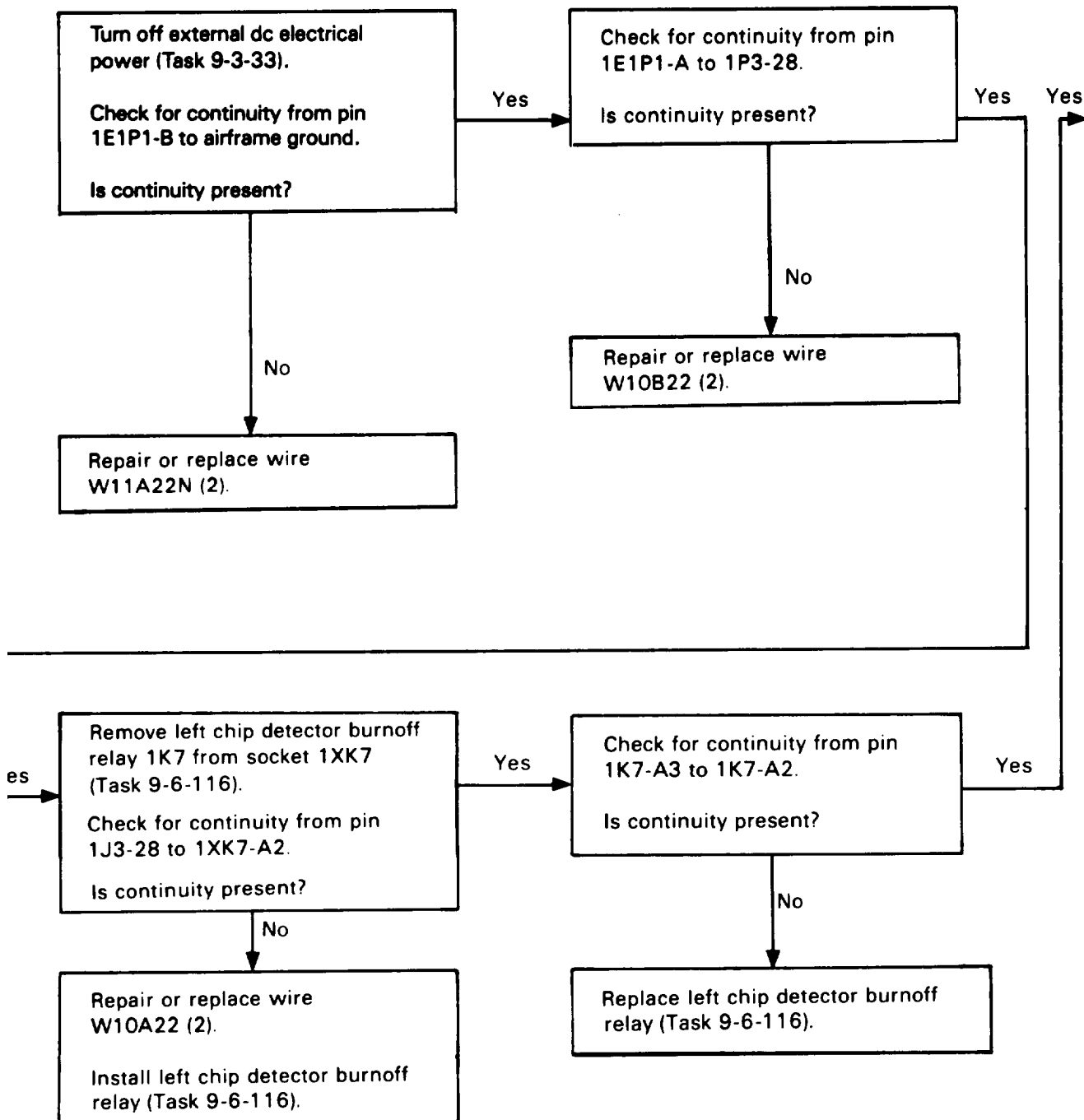


93. MAST BEARING CHIP DETECTOR FUZZ BURNER FAILURE (SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON) (CONT)

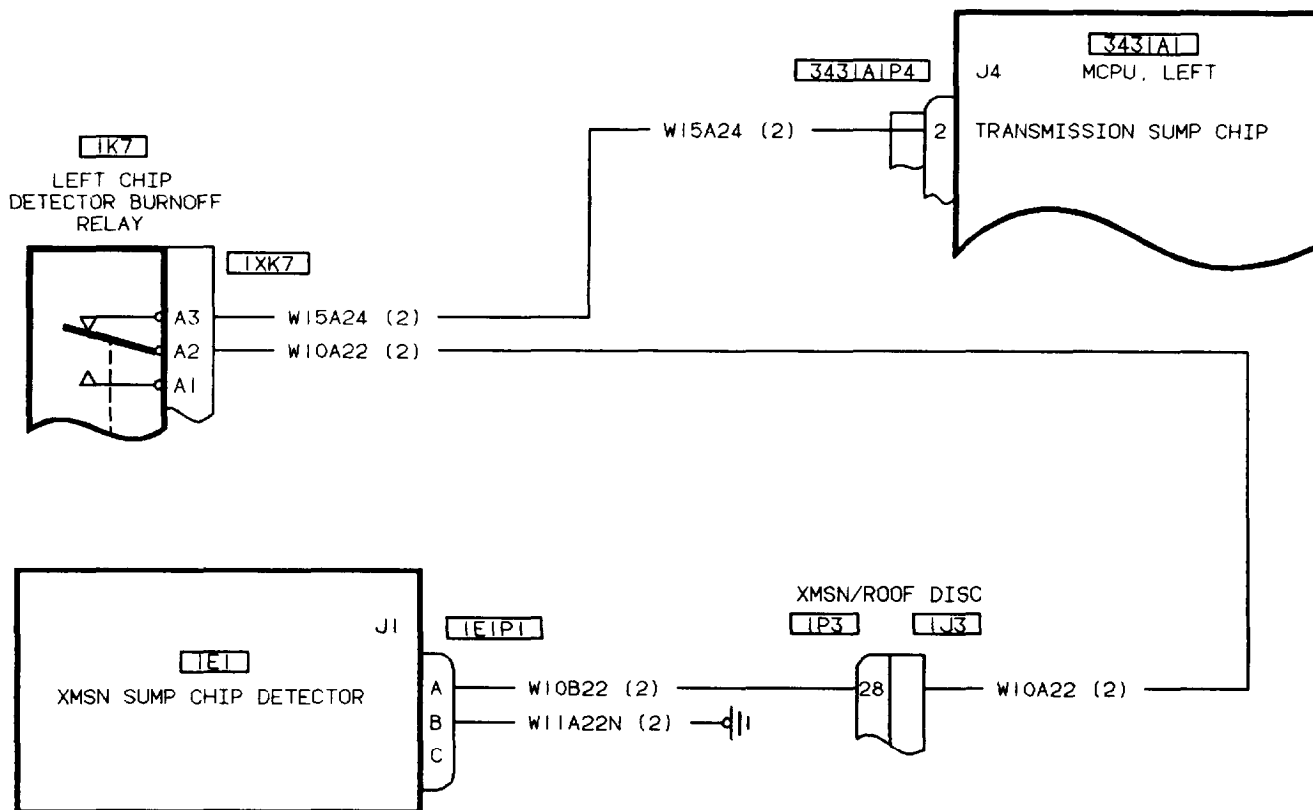
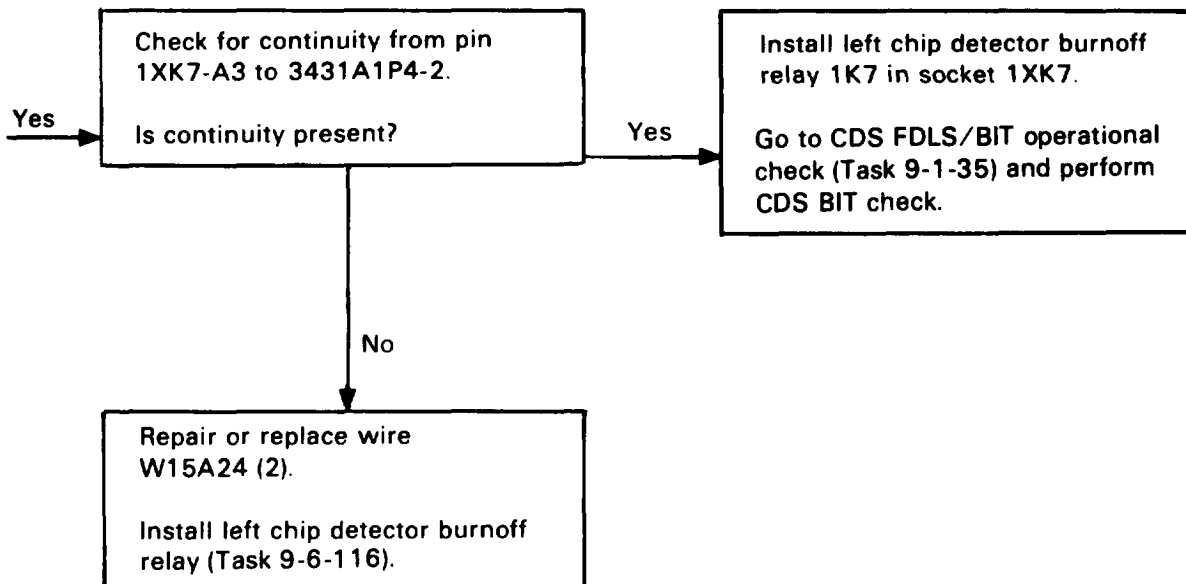


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94. CAUTION MESSAGE CHIP XMSN SUMP DOES NOT COME ON (CONNECTOR 1E1P1 CONNECTED TO SPECIAL TOOL AND SWITCH SET TO ON)

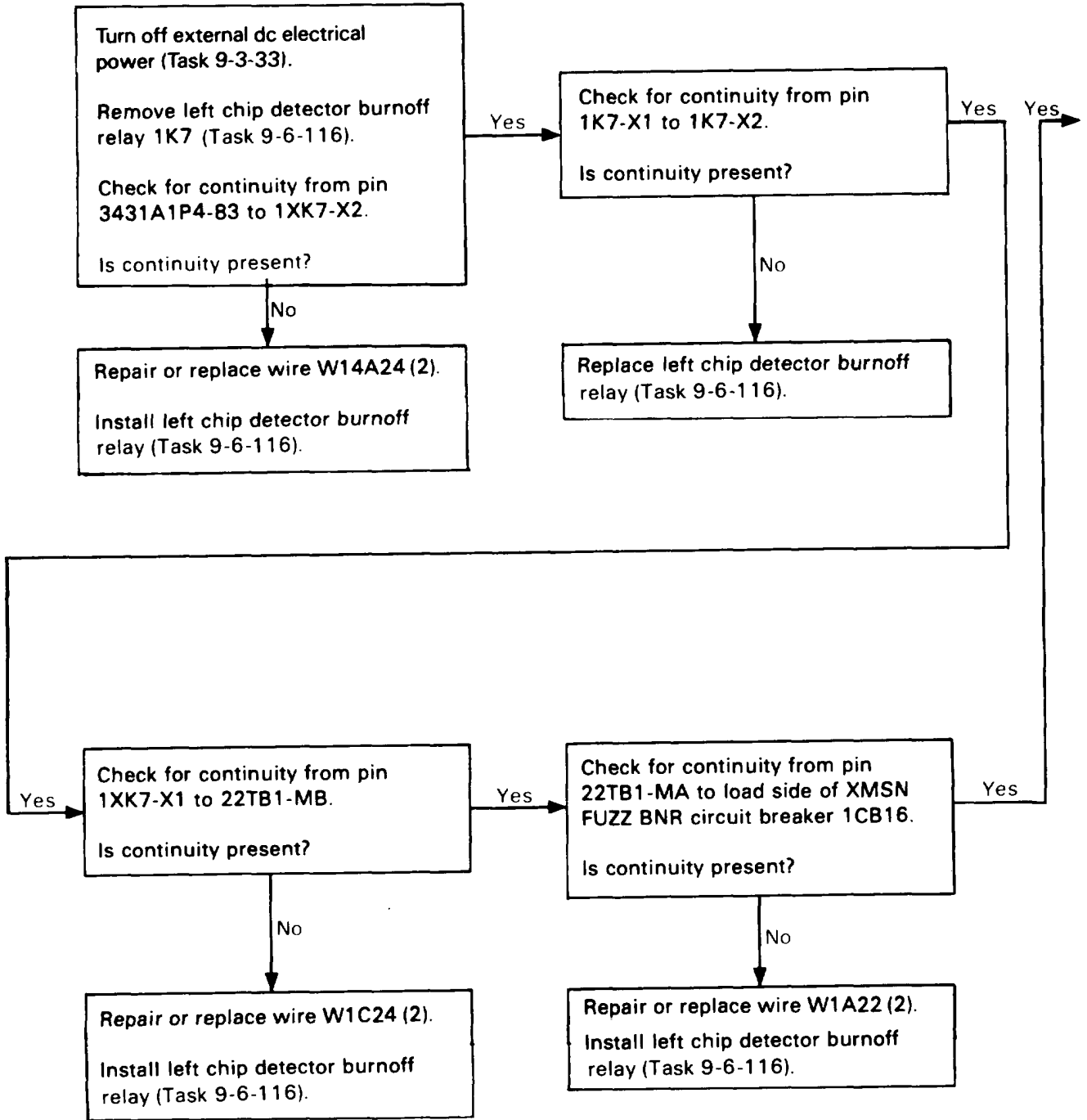


94. CAUTION MESSAGE CHIP XMSN SUMP DOES NOT COME ON (CONNECTOR 1 EI PI CONNECTED TO SPECIAL TOOL AND SWITCH SET TO ON) (CONT)

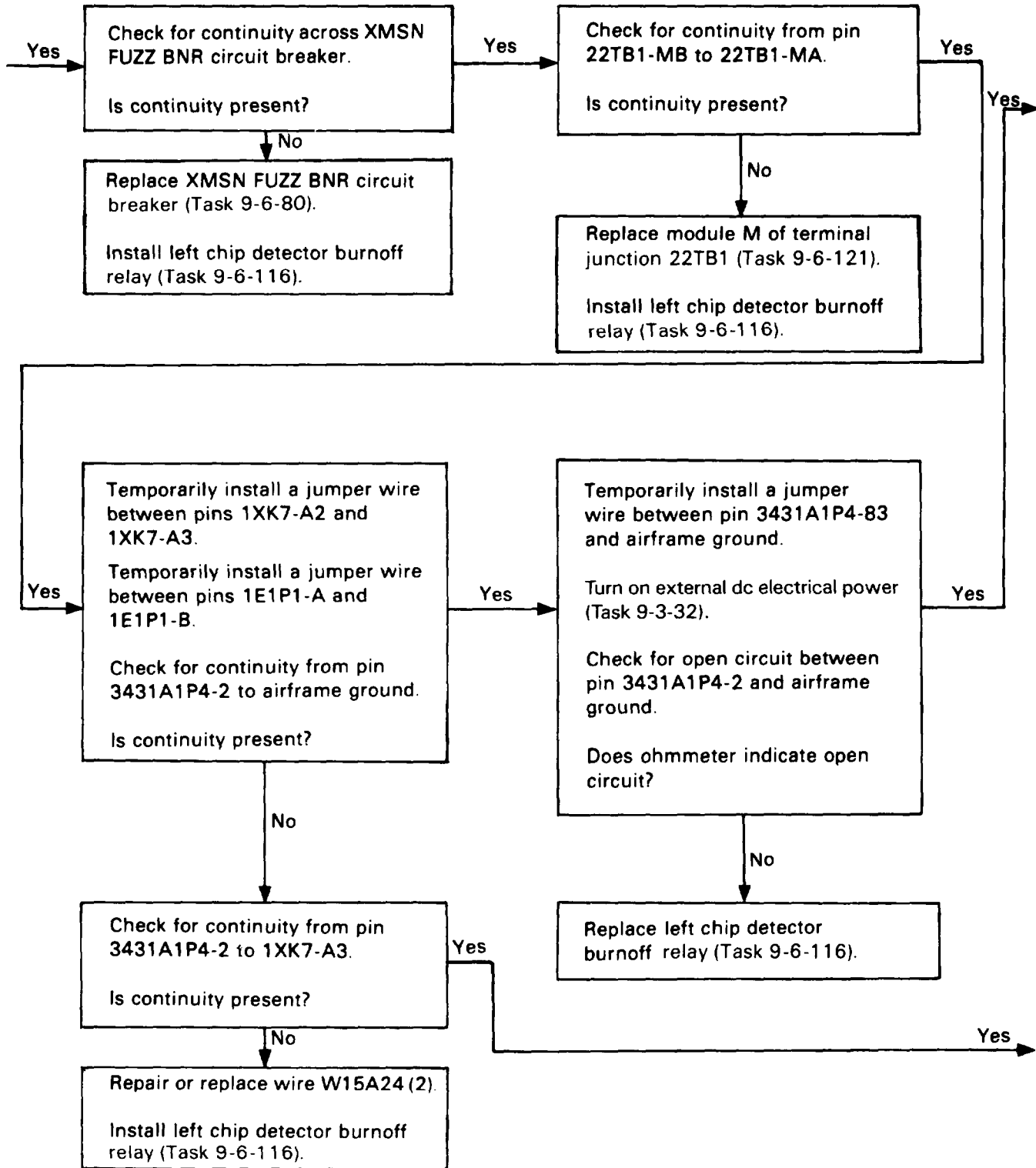


406475-994
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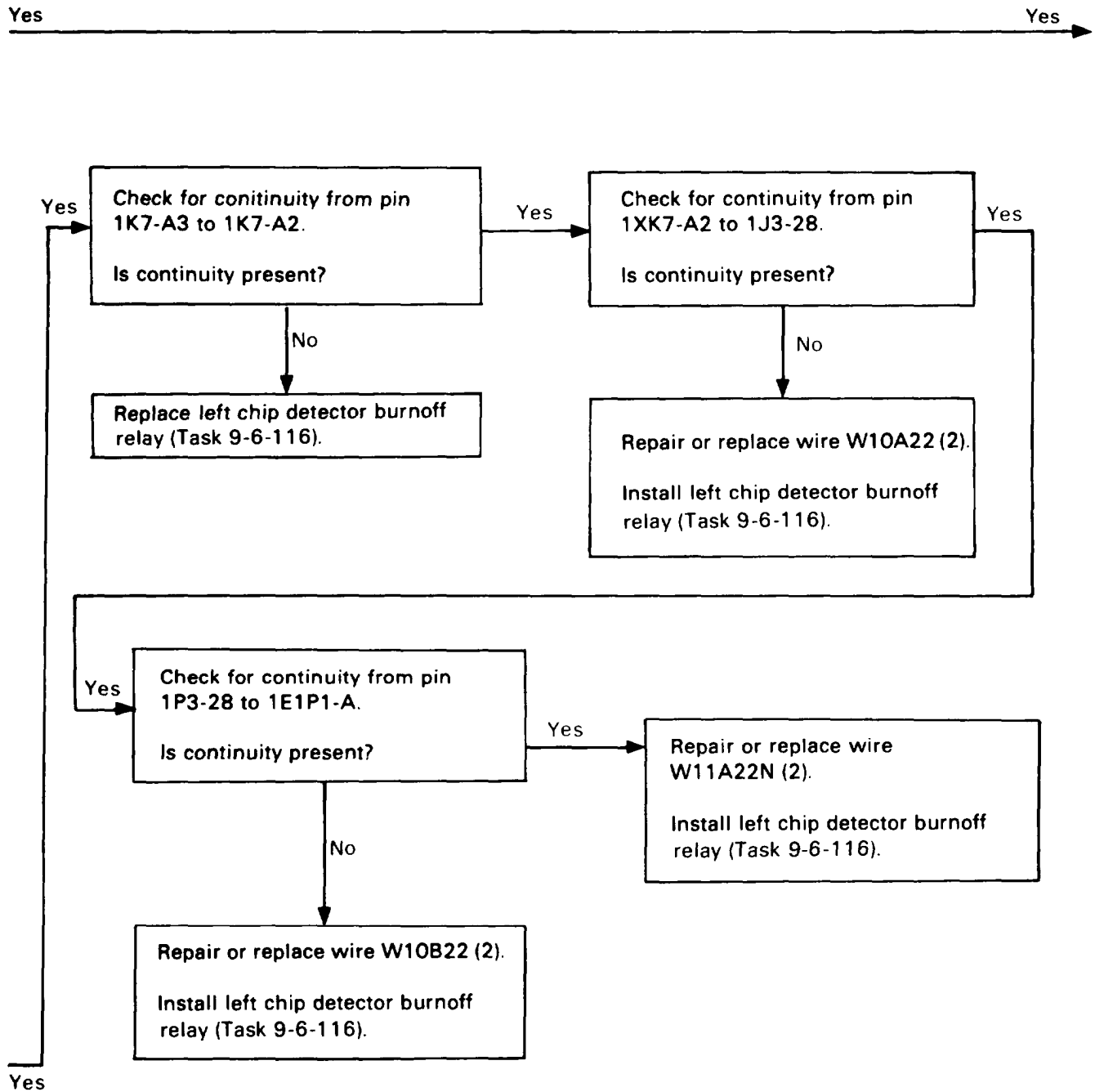
95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON



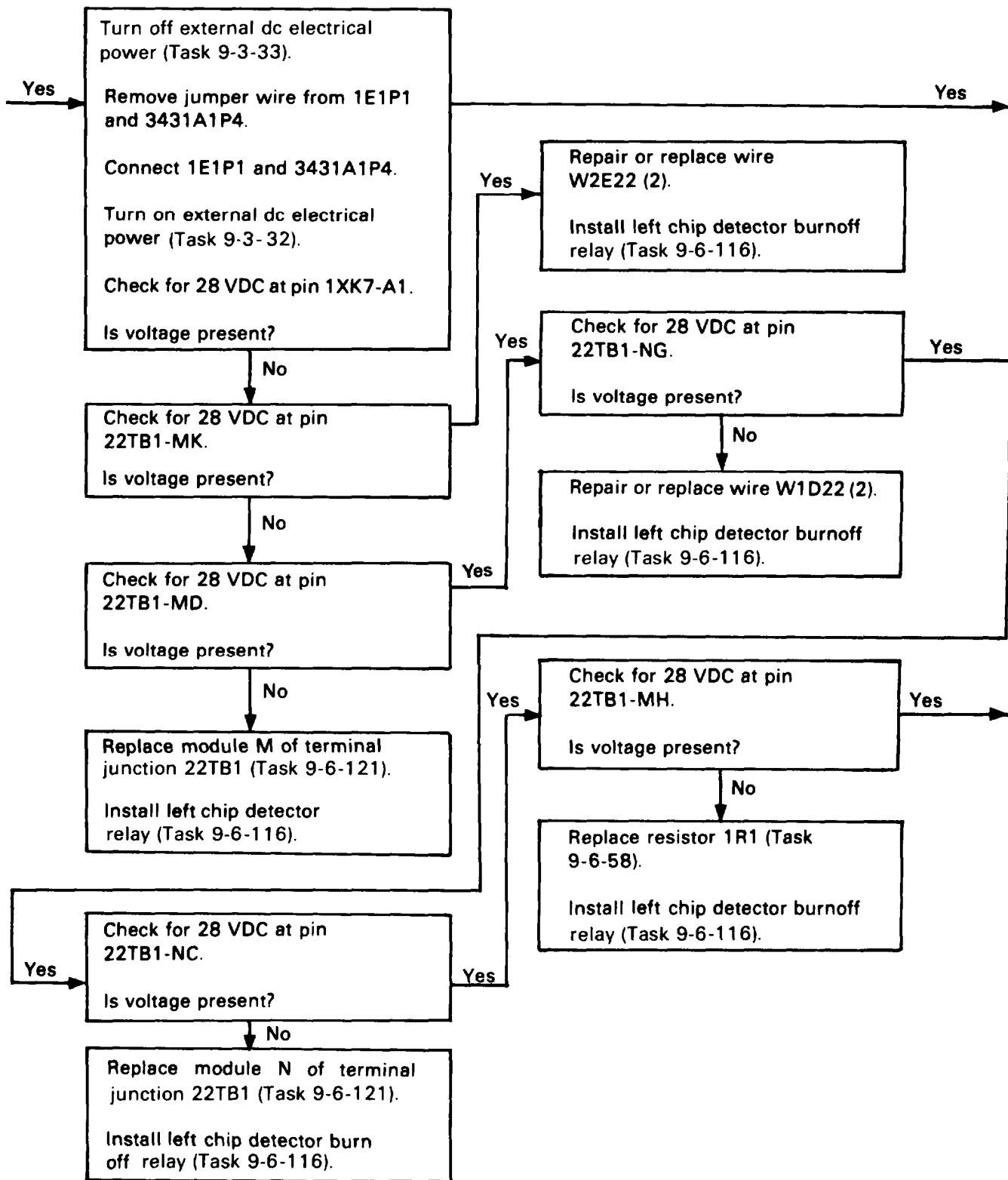
95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)

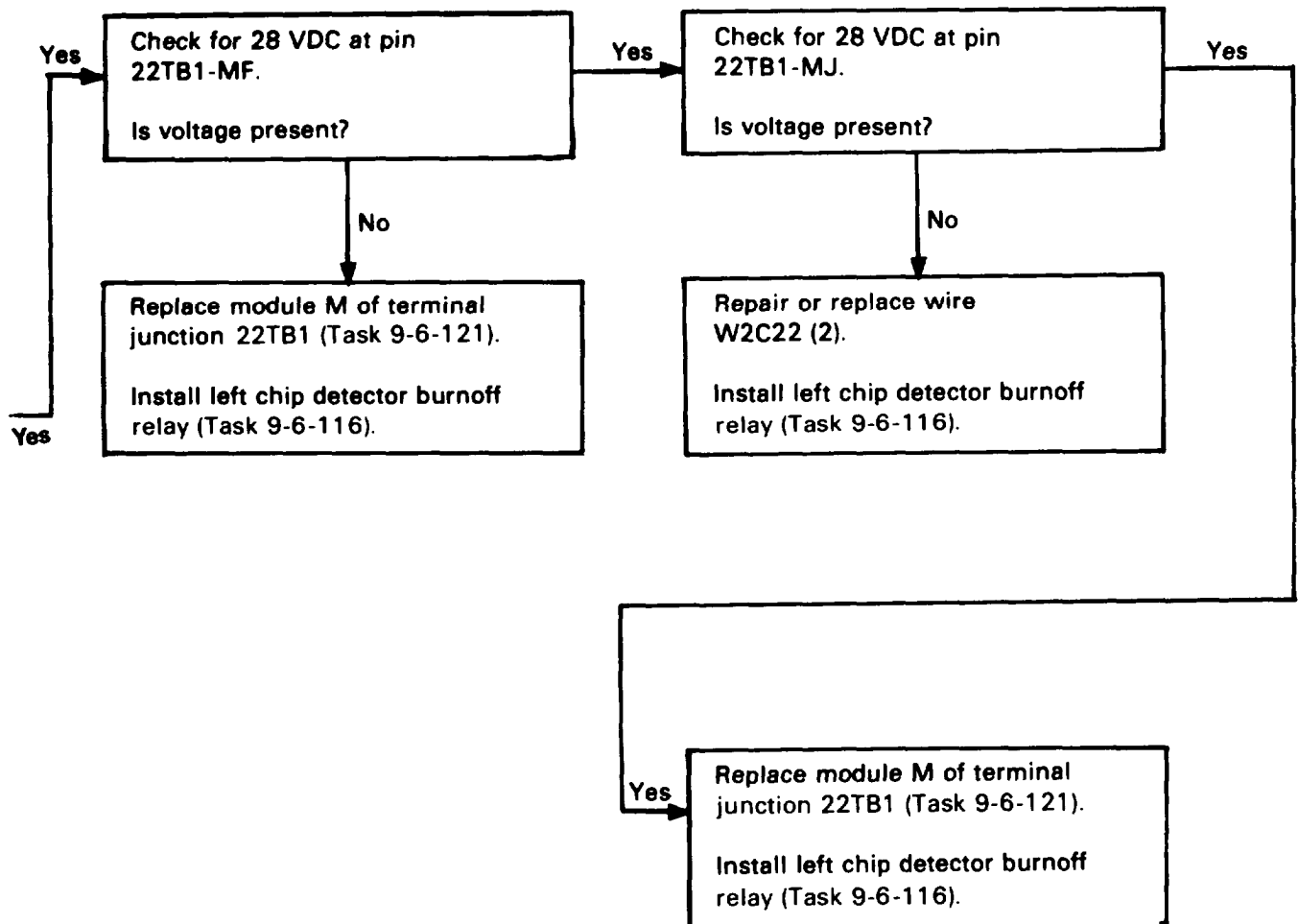


95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)

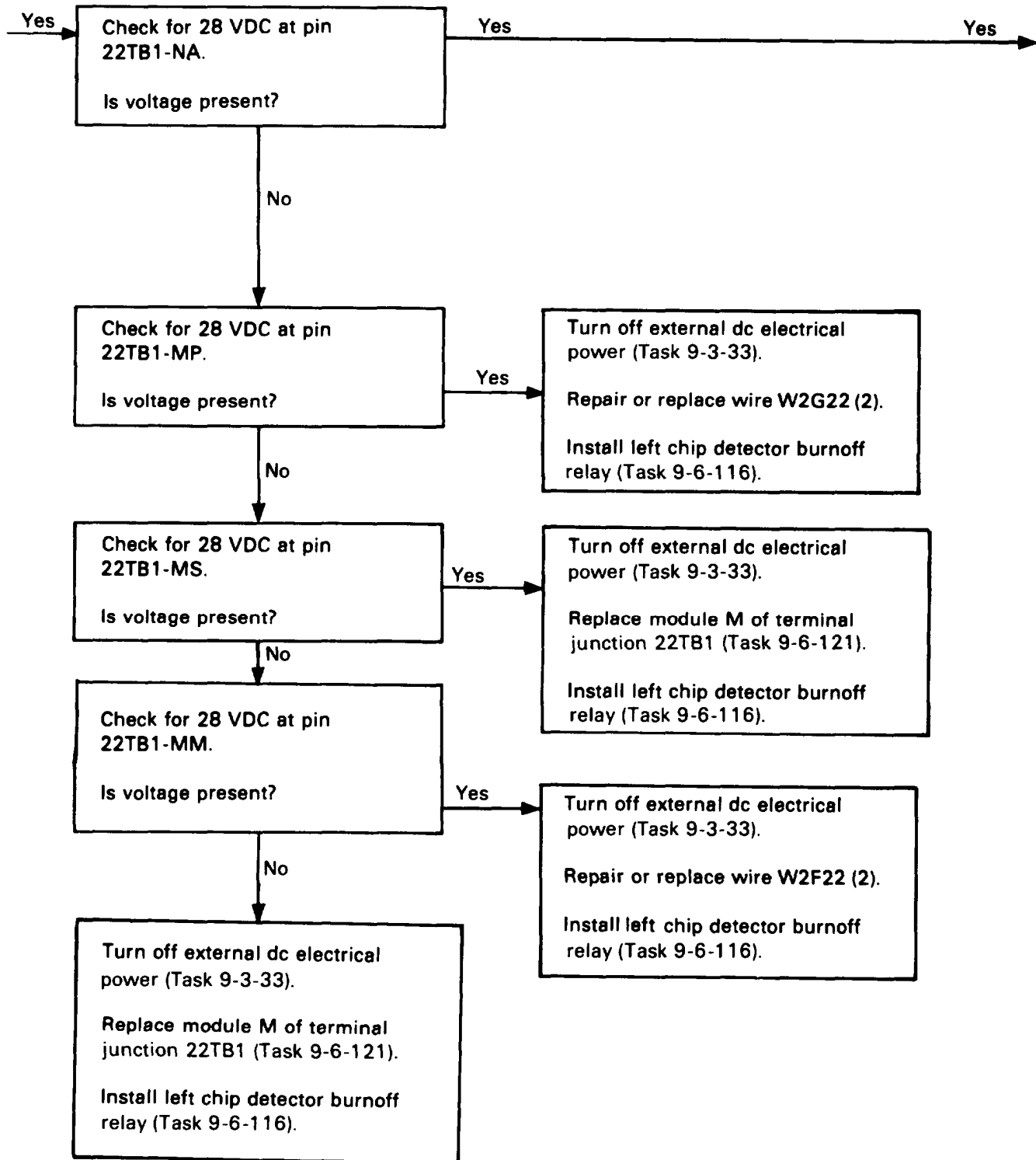


95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)

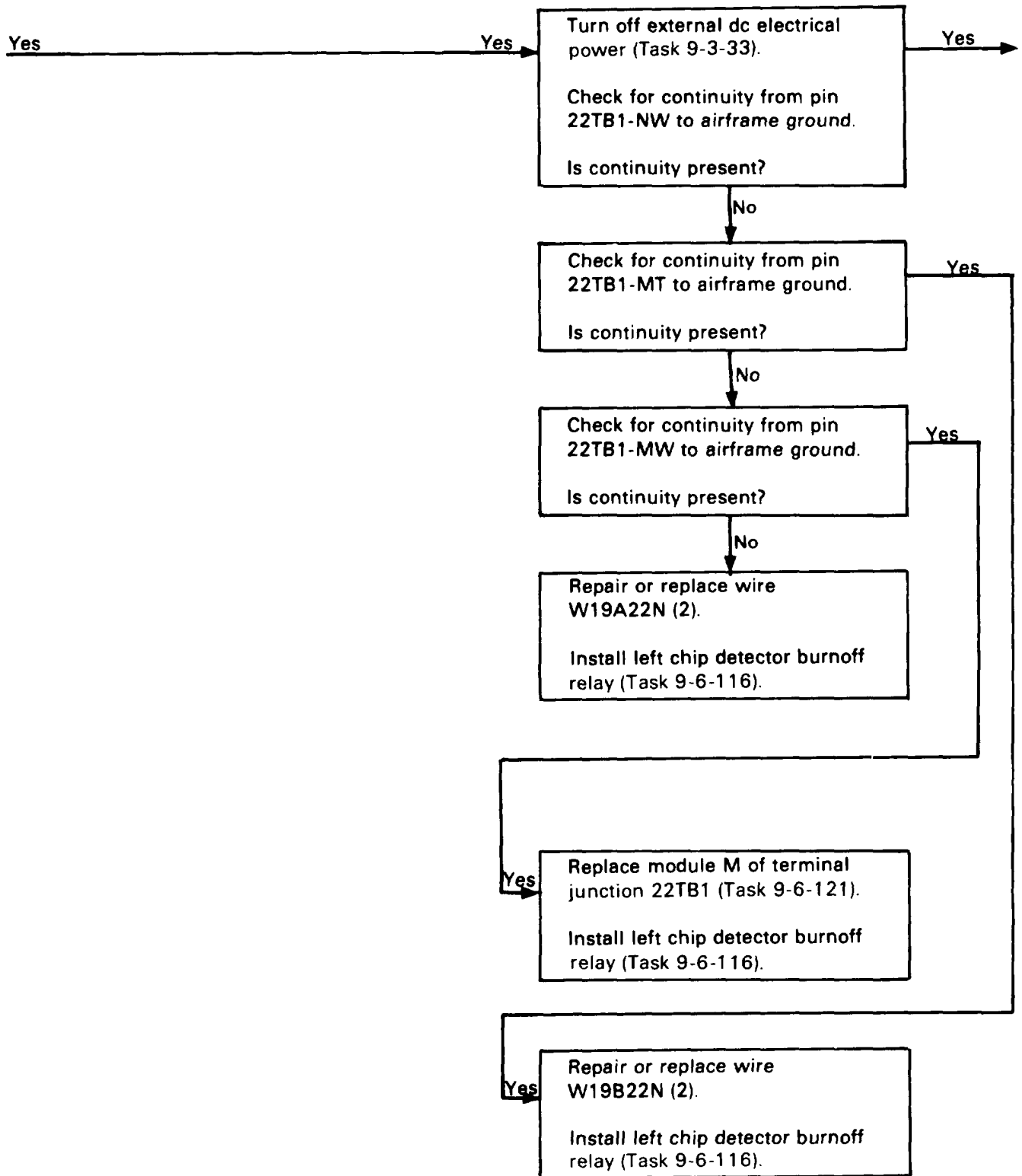
Yes Yes →



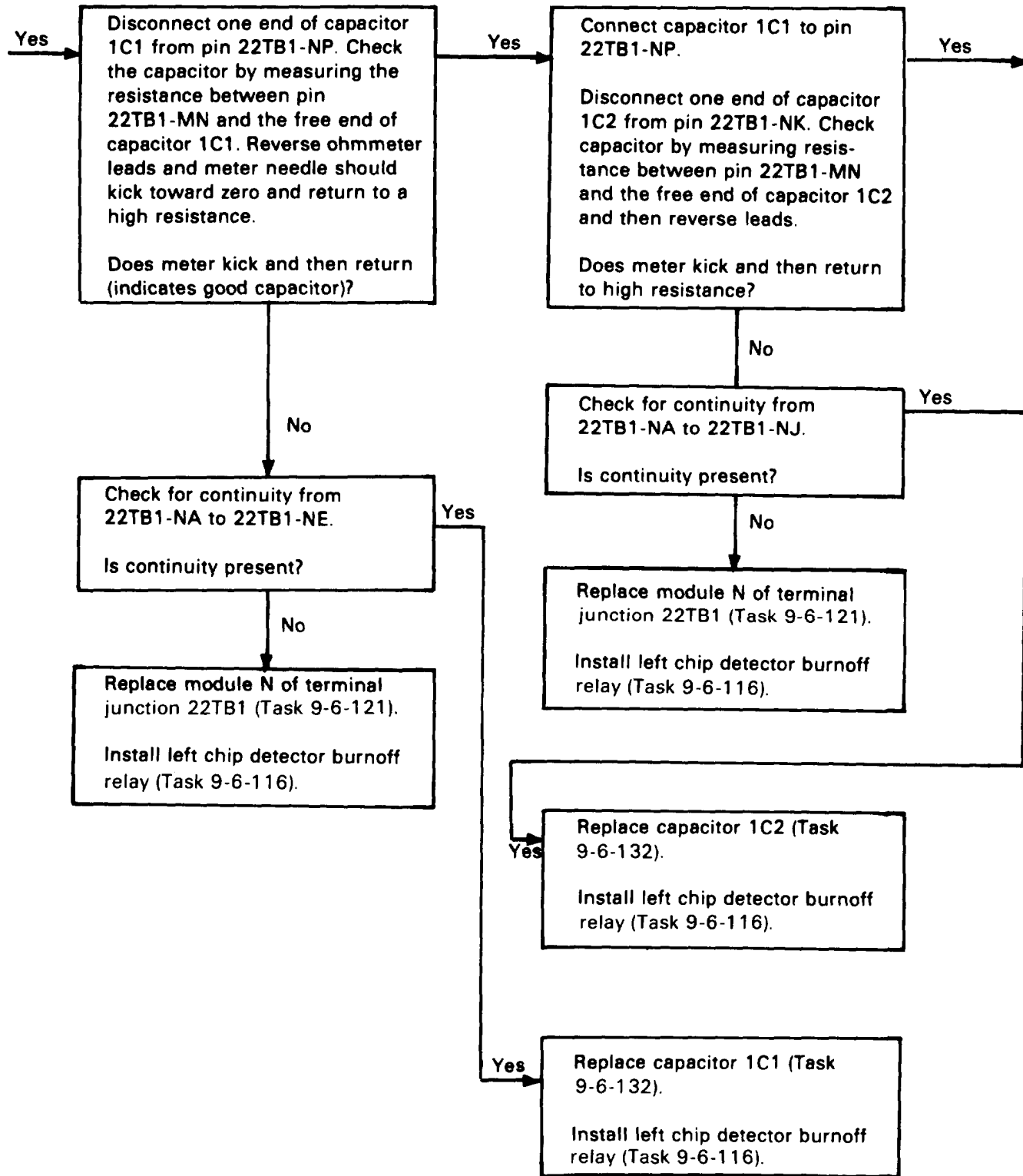
95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



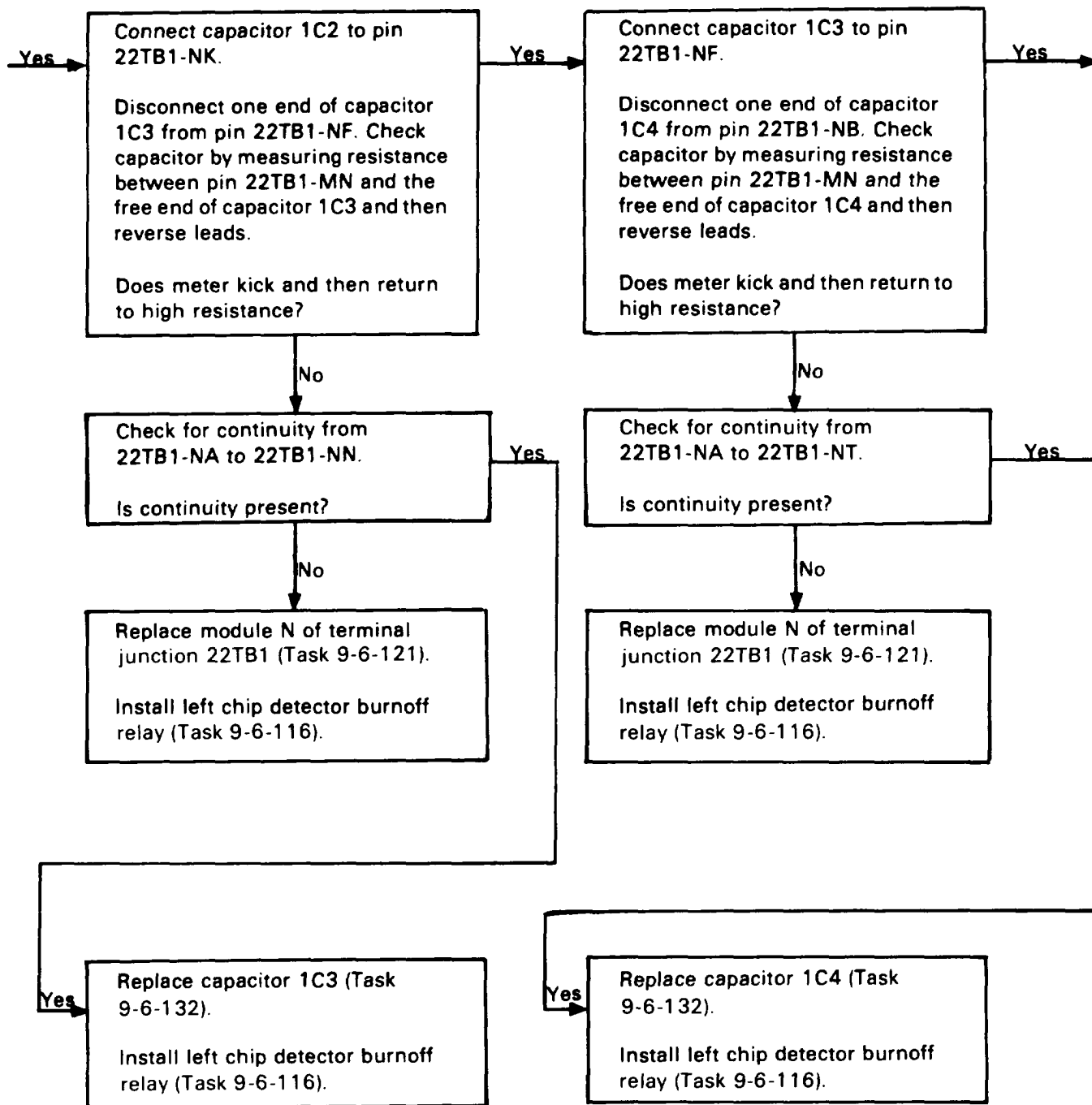
95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



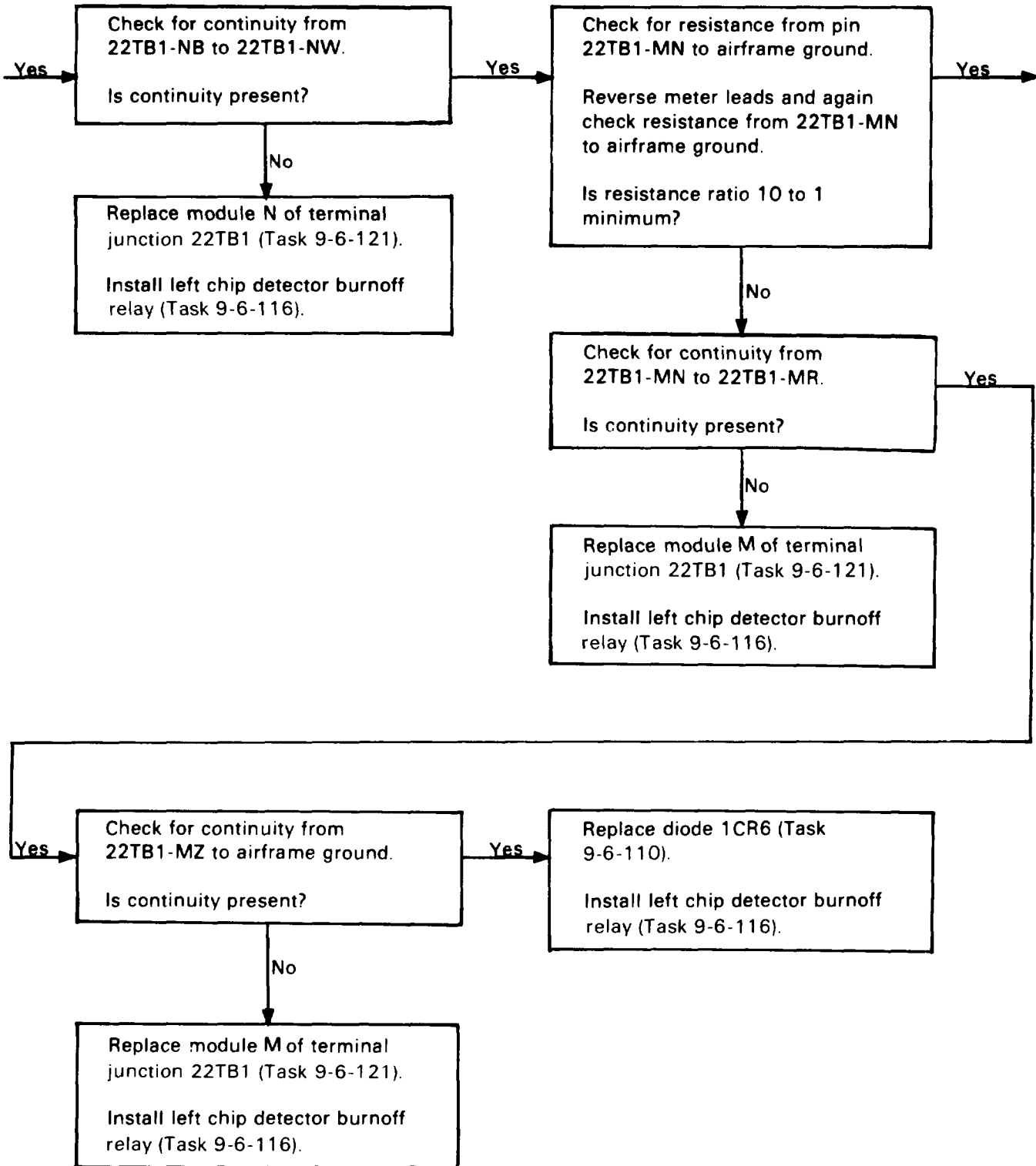
95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



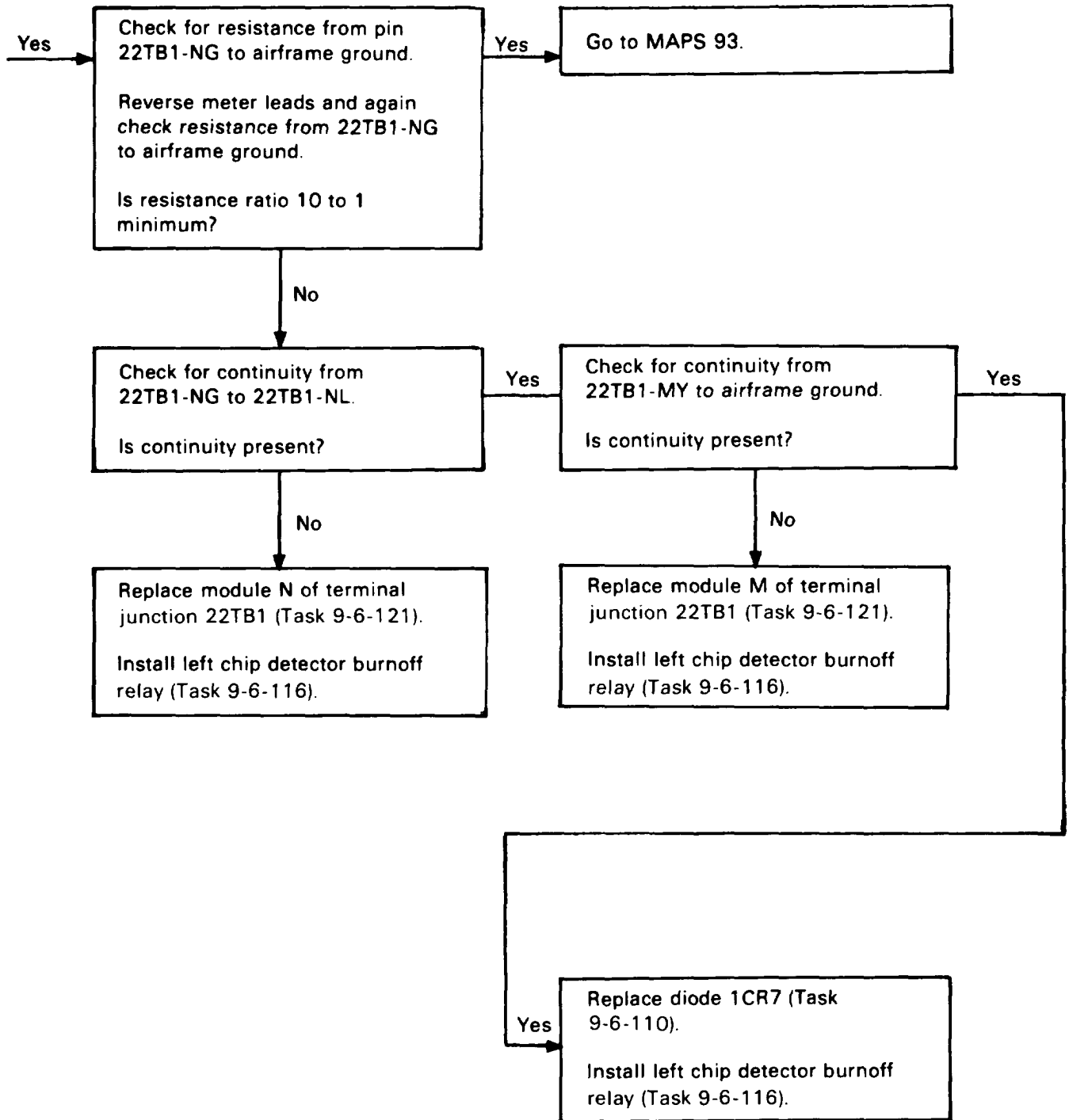
95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



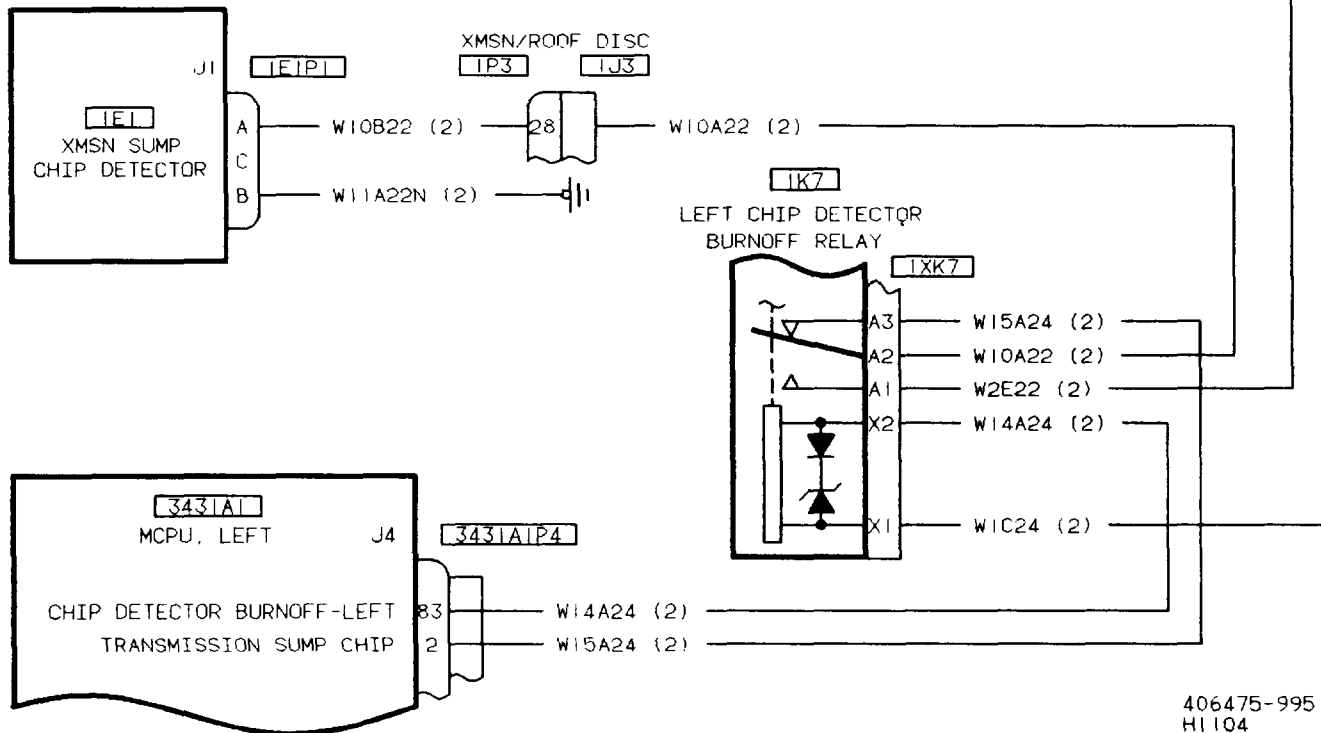
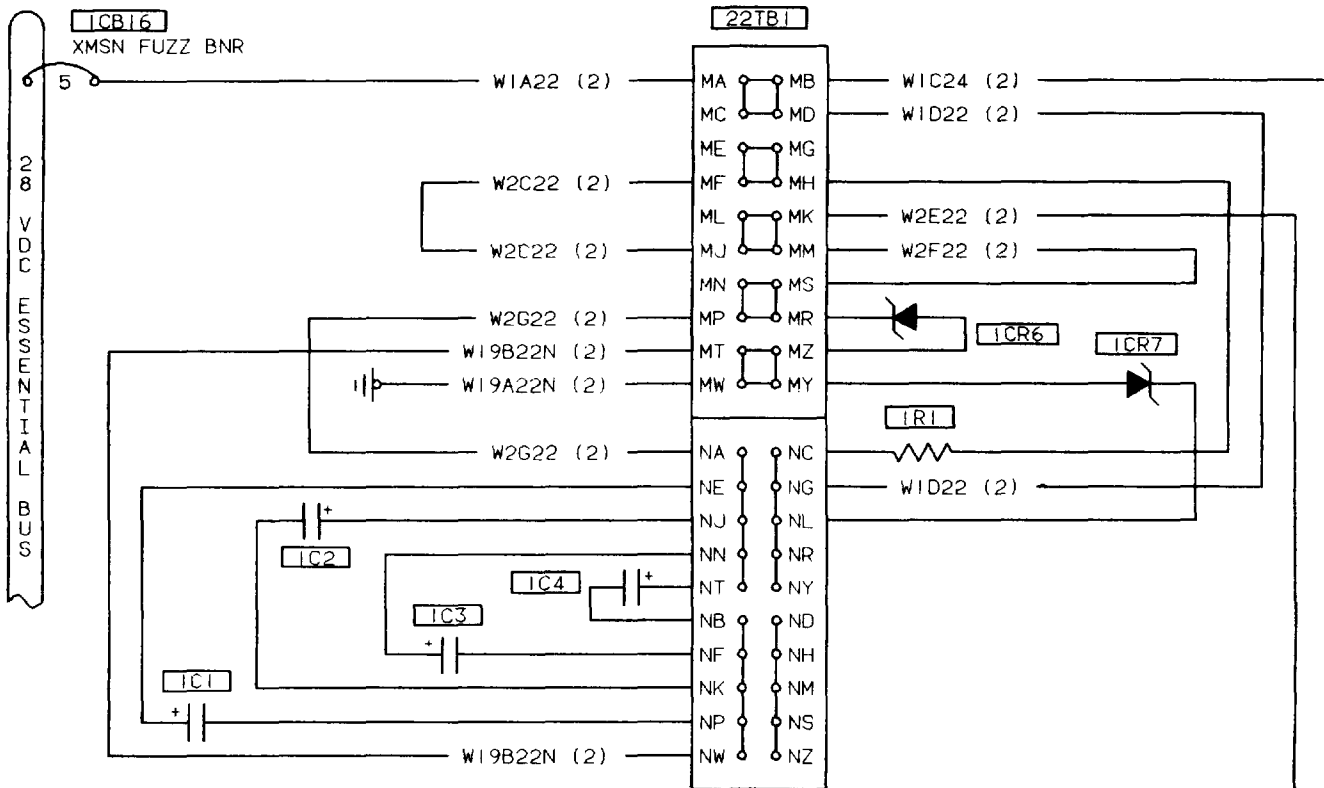
95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)

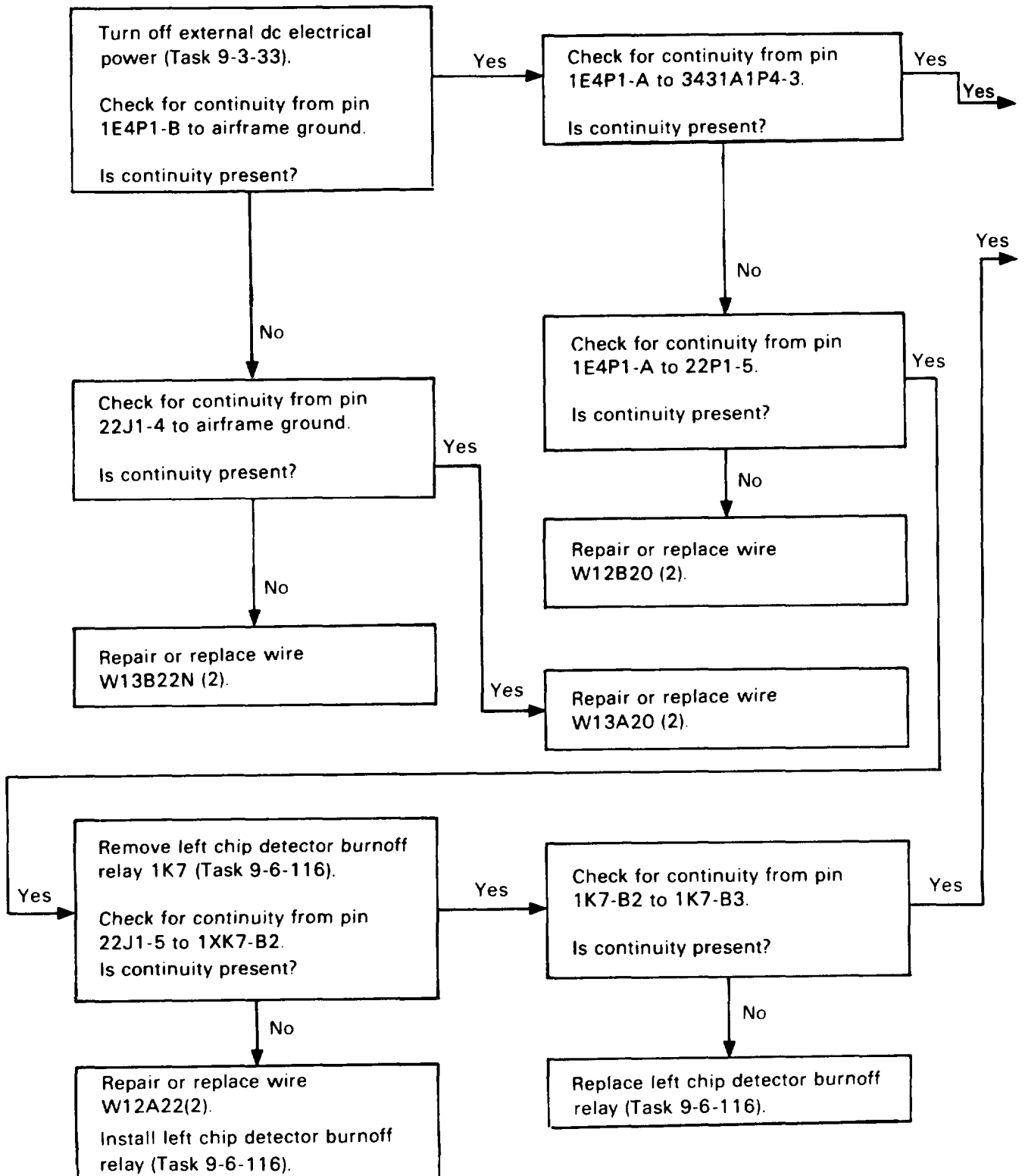


95. TRANSMISSION SUMP CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



406475-995
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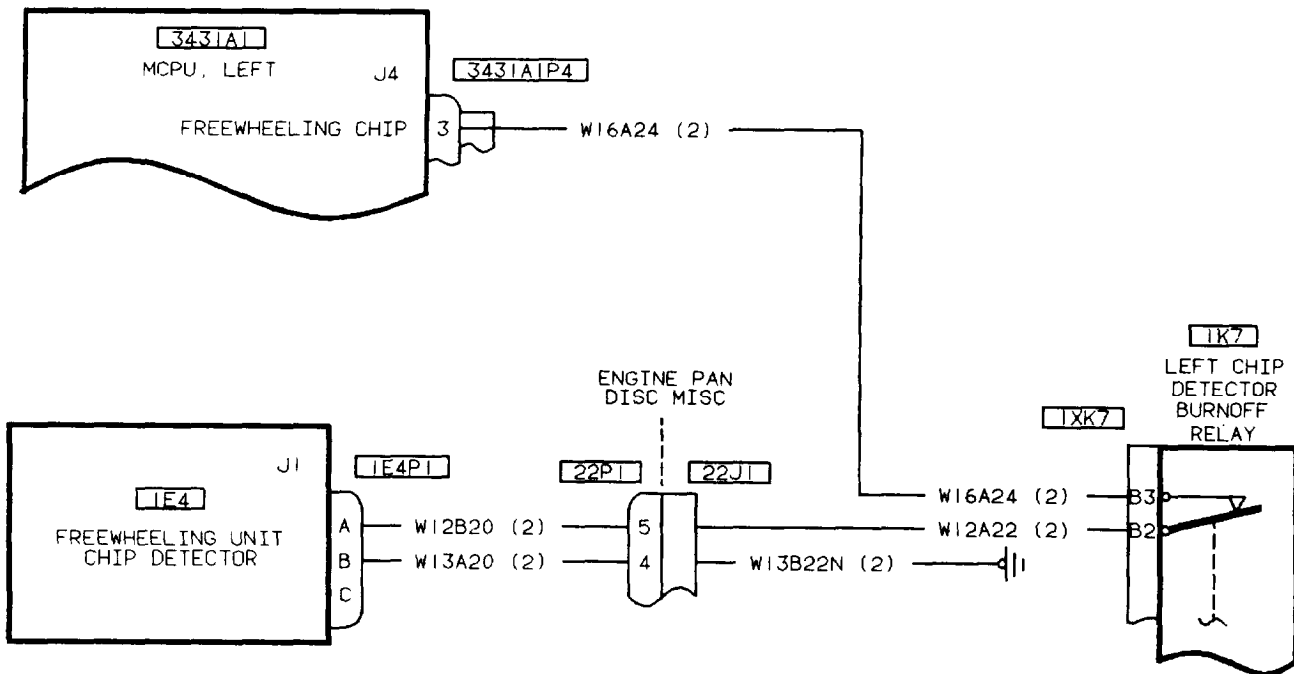
96 CAUTION MESSAGE CHIP ENG FREEWHEEL DOES NOT COME ON (CONNECTOR 1E4P1 CONNECTED TO SPECIAL TEST TOOL AND TEST SWITCH SET TO ON)



96. CAUTION MESSAGE CHIP ENG FREEWHEEL DOES NOT COME ON (CONNECTOR 1E4P1 CONNECTED TO SPECIAL TEST TOOL AND TEST SWITCH SET TO ON) (CONT)

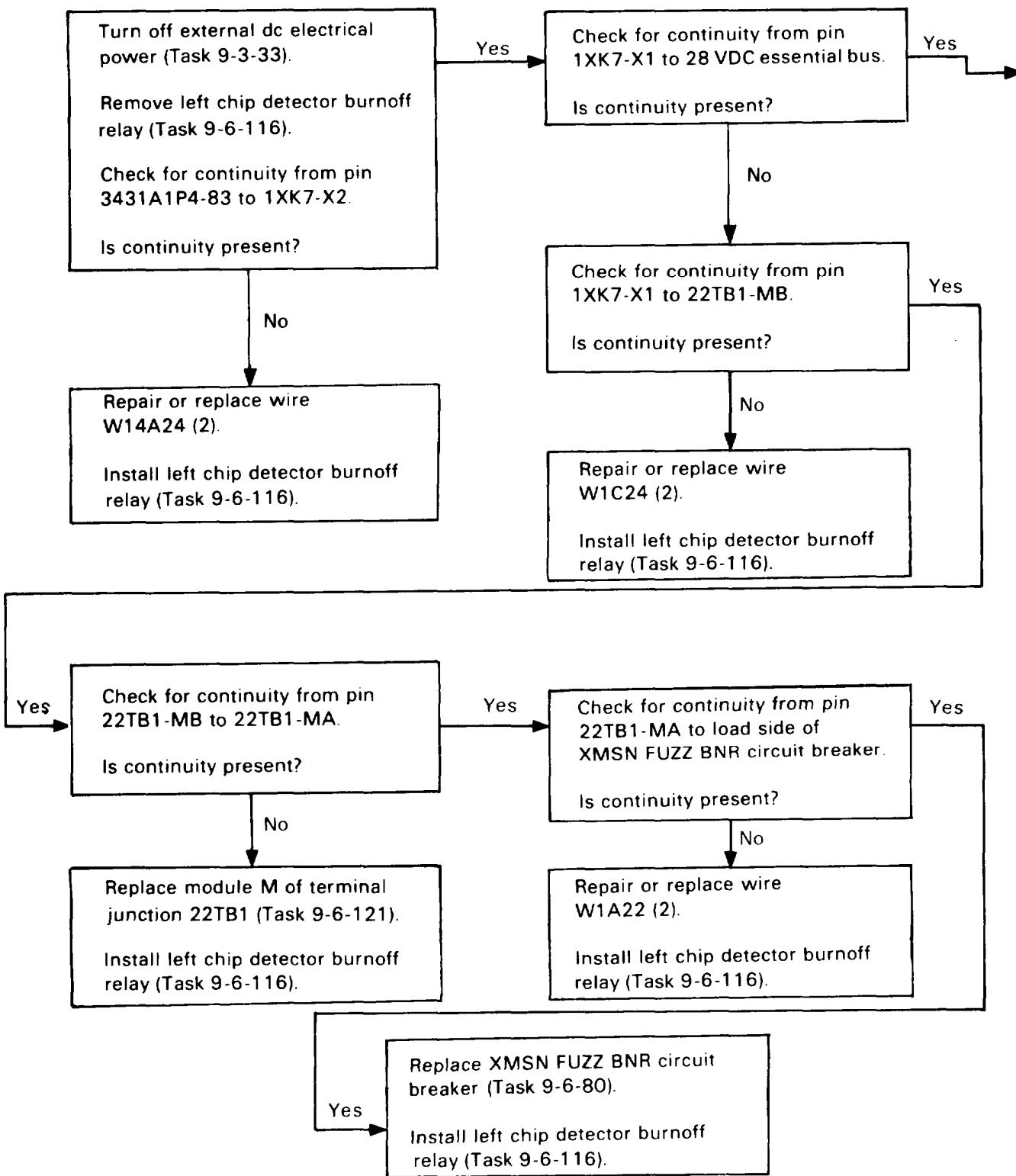
Yes → Go to CDS FDLS/BIT operational check (Task 9-1-35) and perform CDS BIT check.

Yes → Repair or replace wire W16A24 (2).
Install left chip detector burnoff relay (Task 9-6-116).

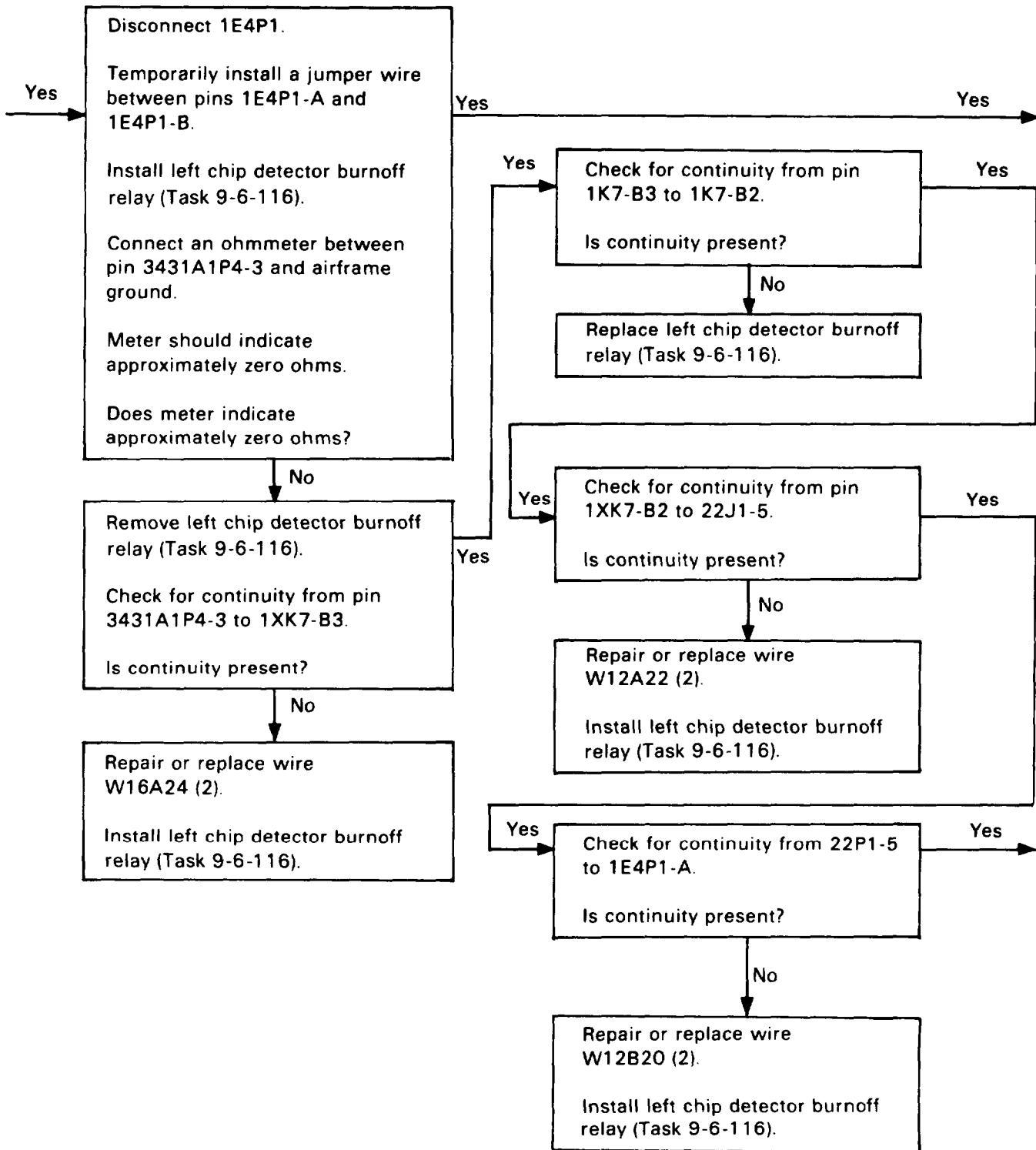


406475-996
H1104

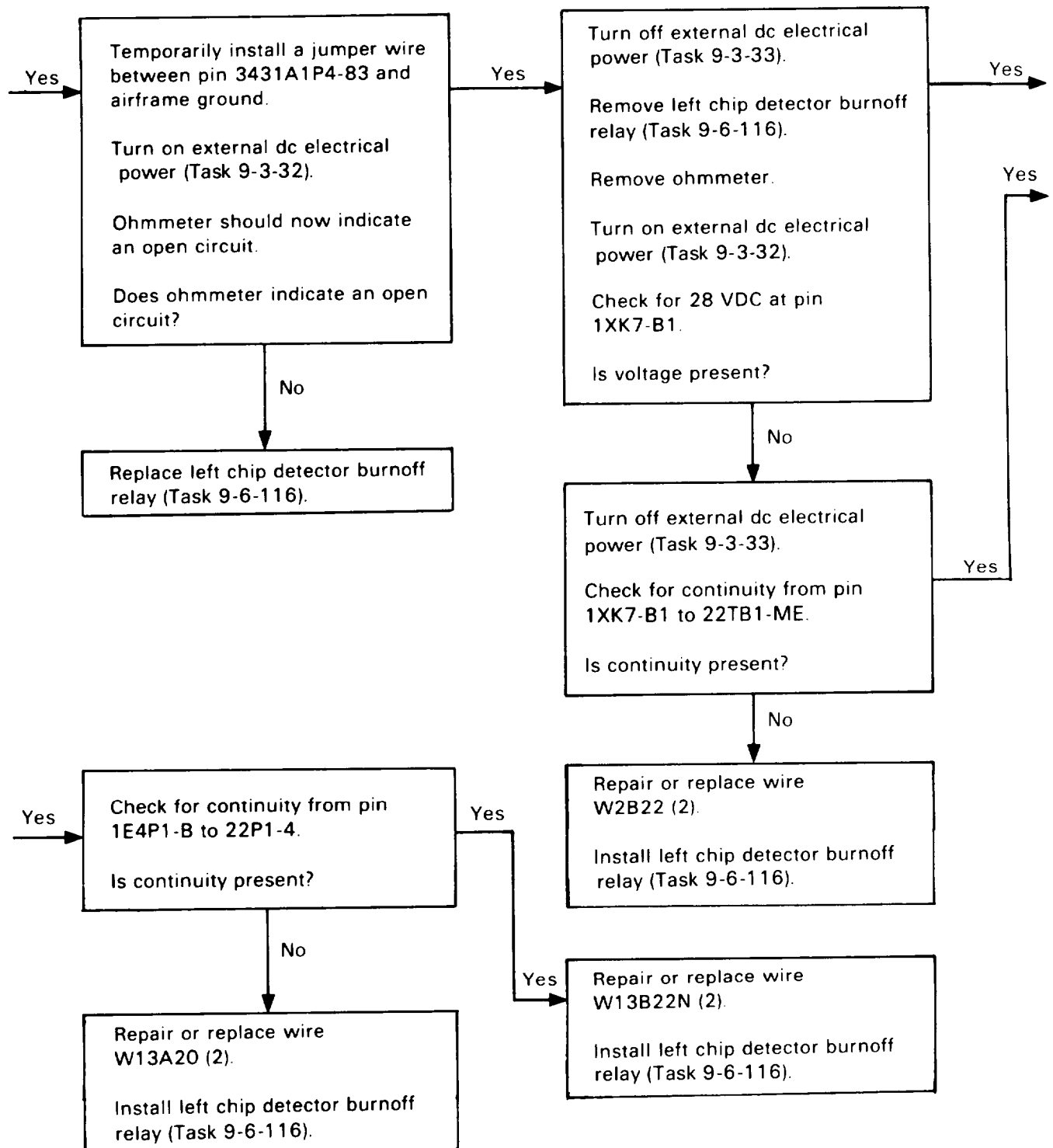
97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON



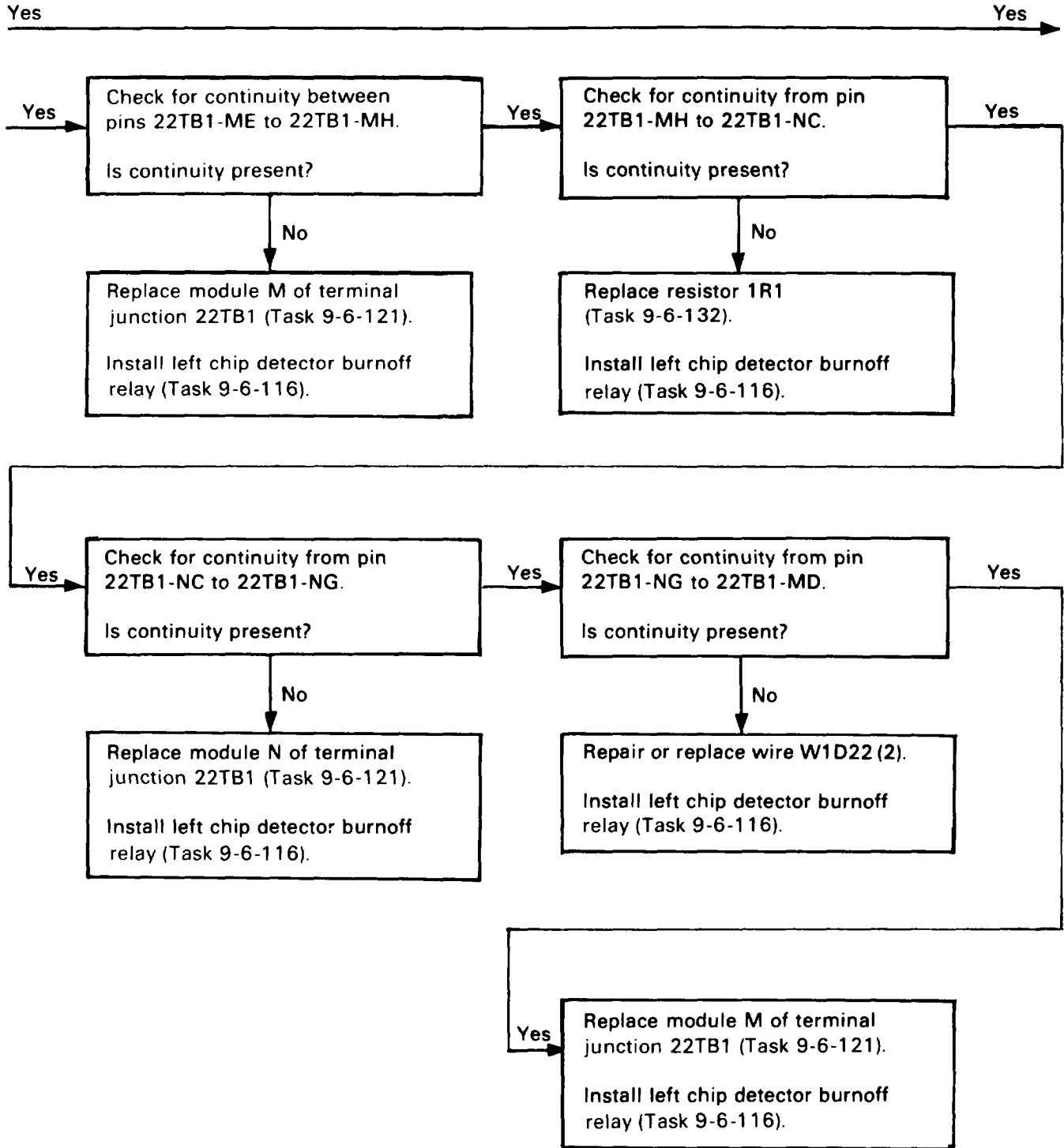
97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



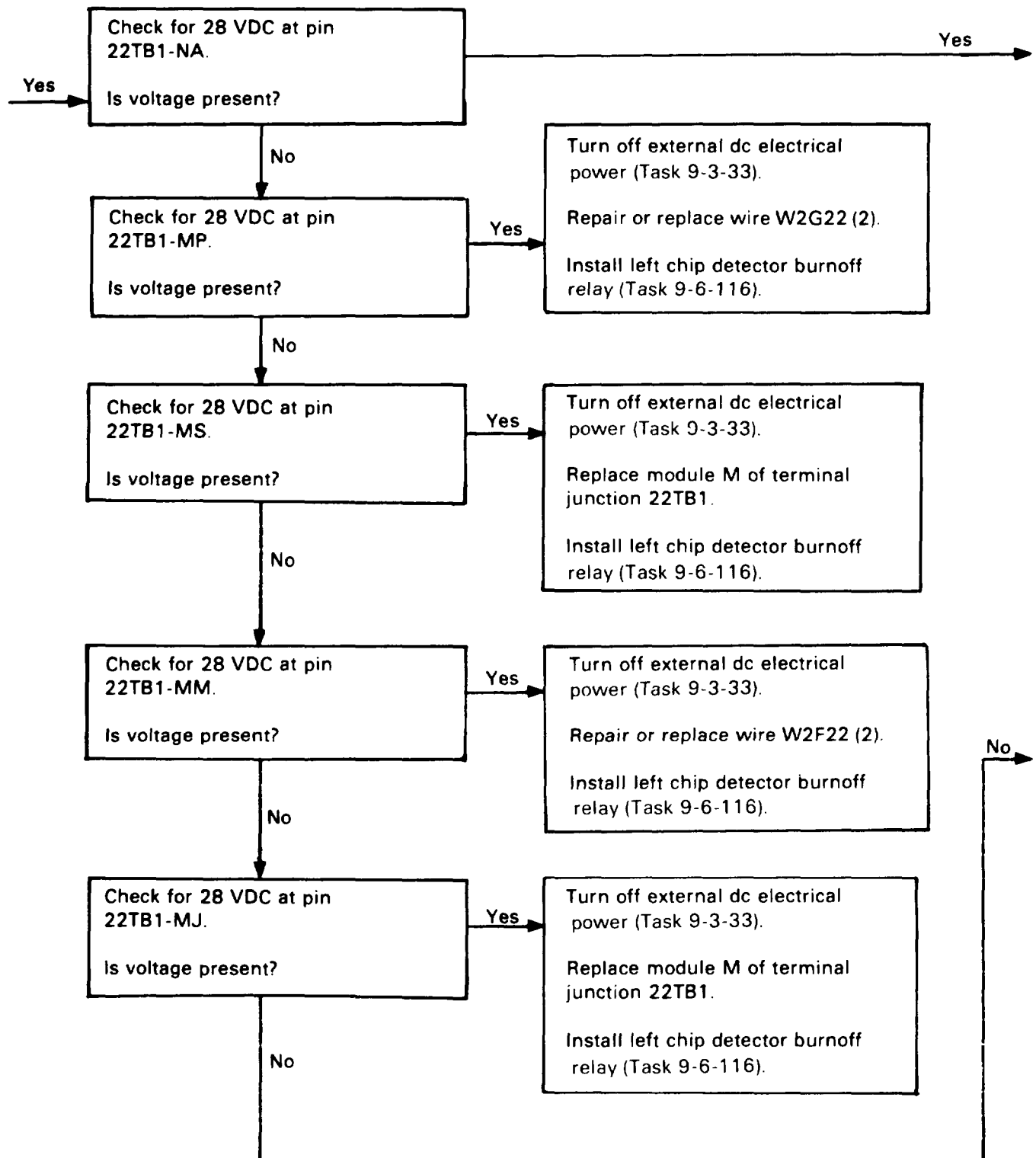
97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



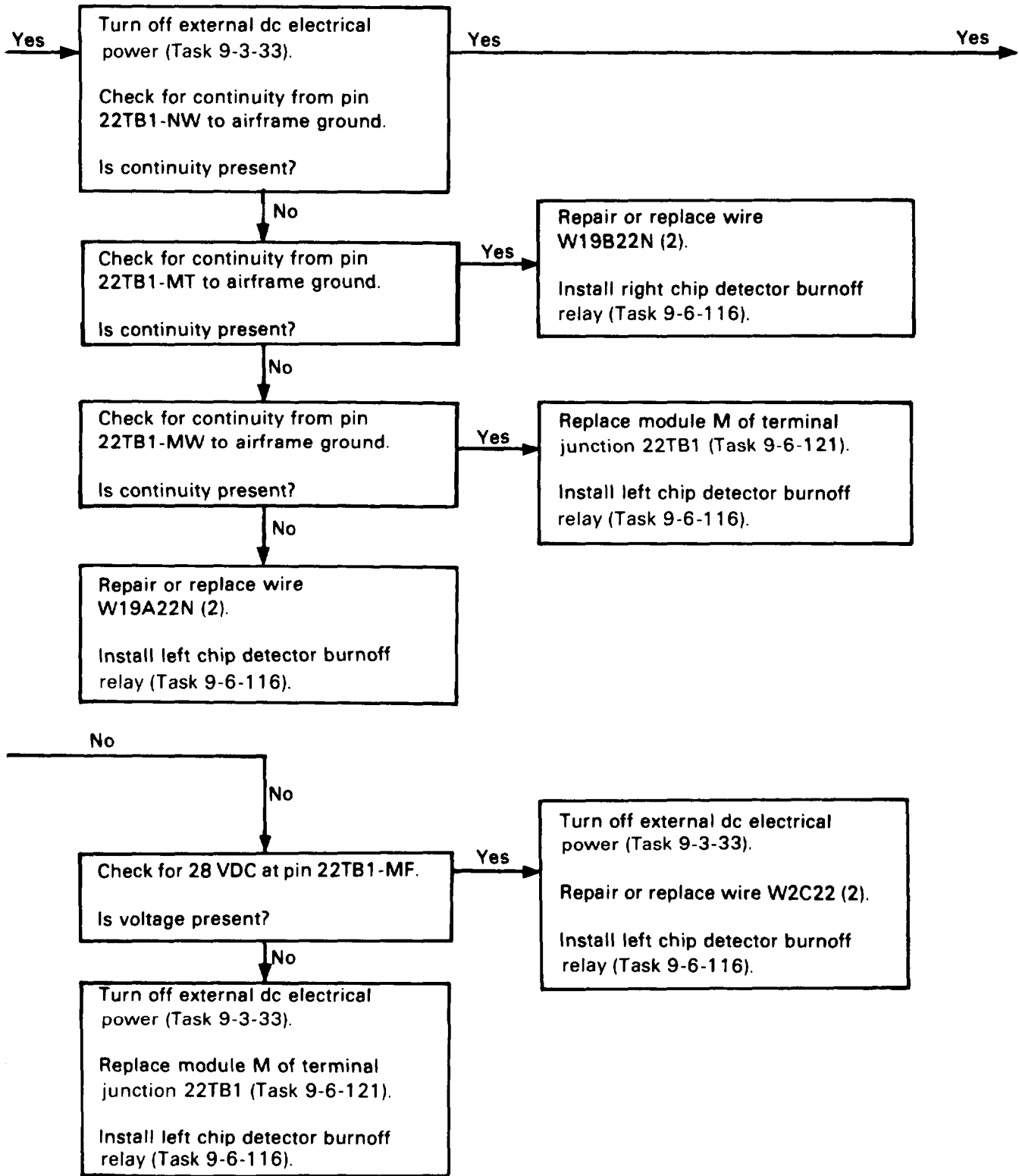
97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



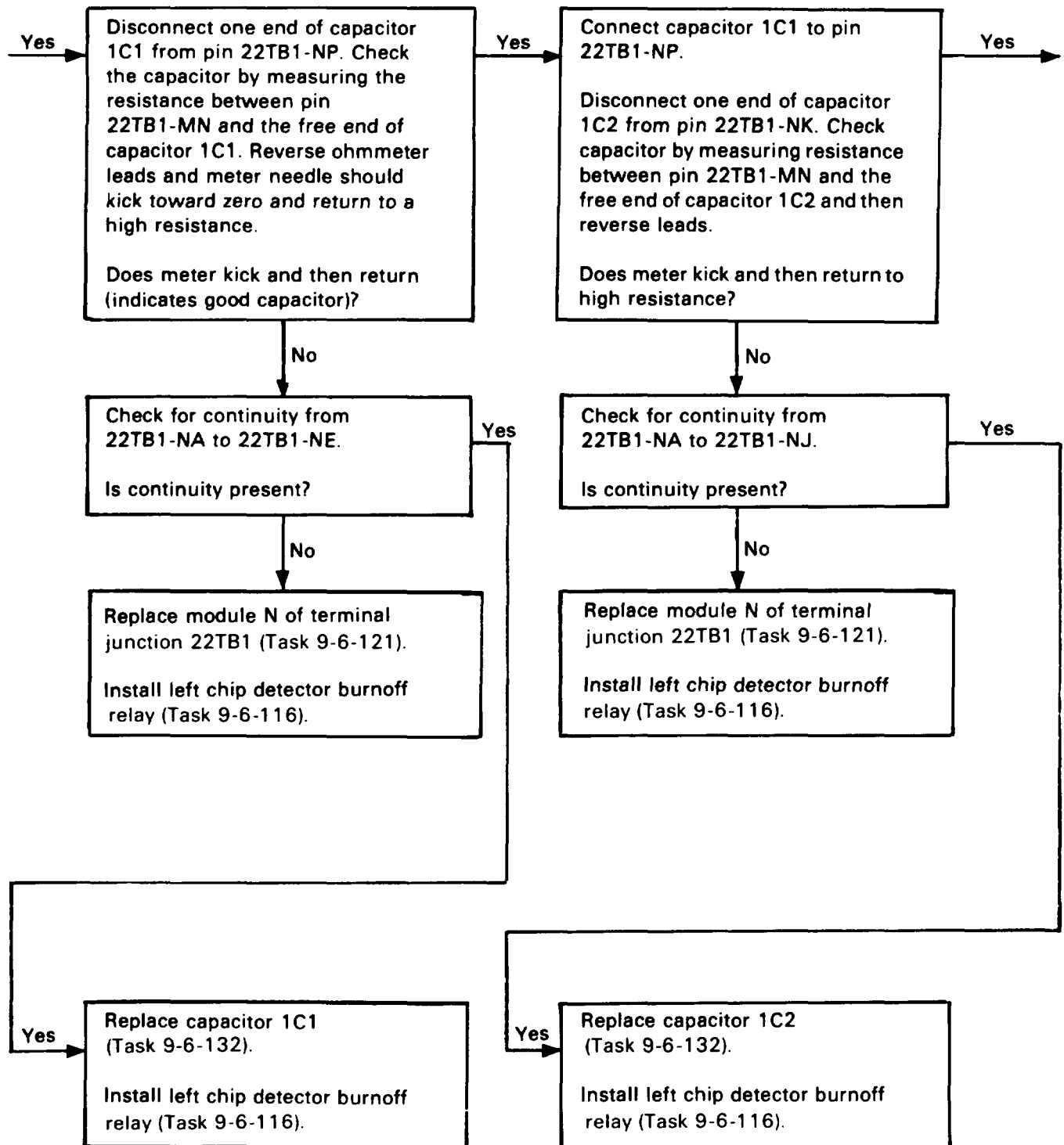
97 FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



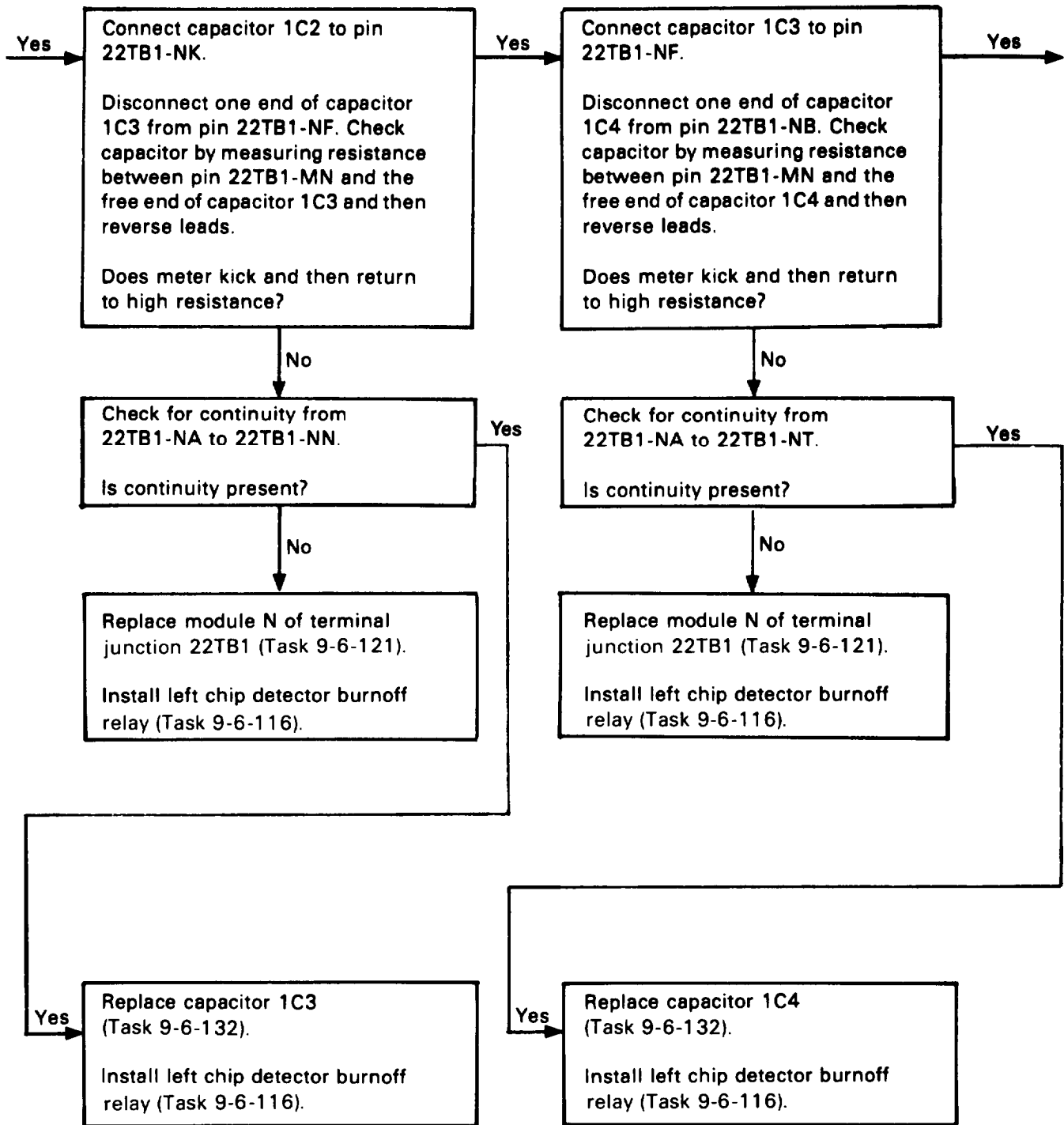
97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



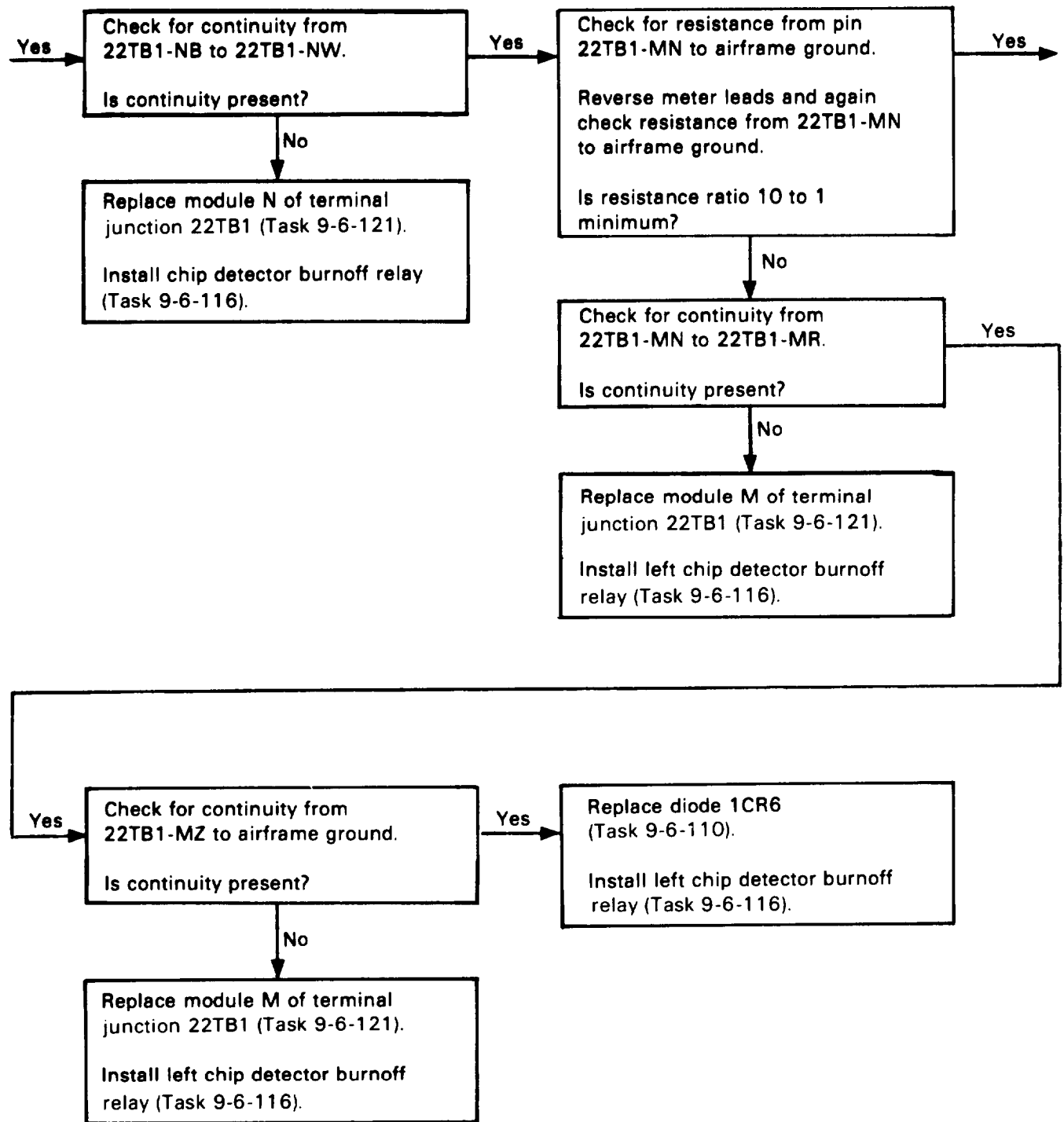
97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



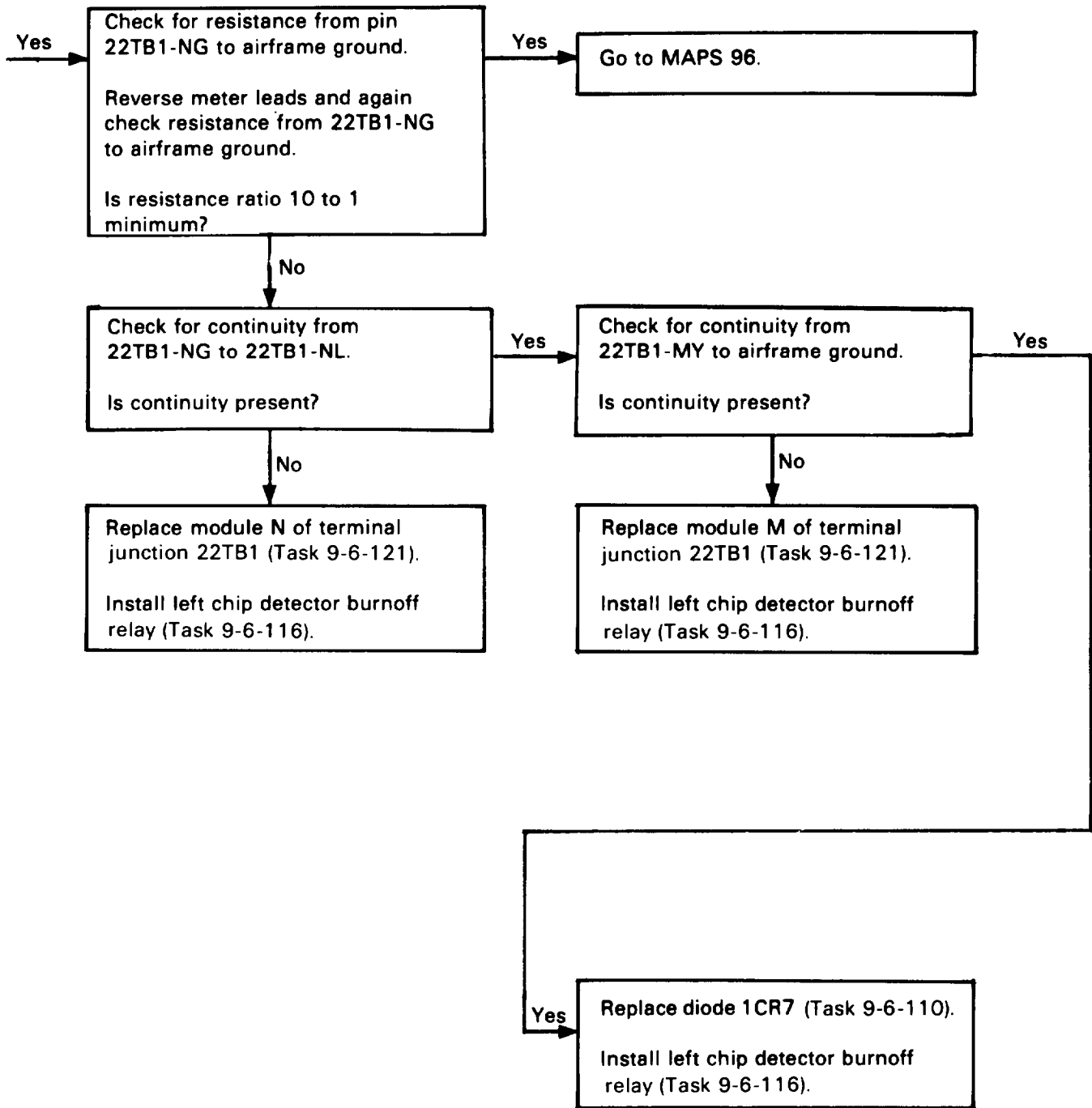
97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



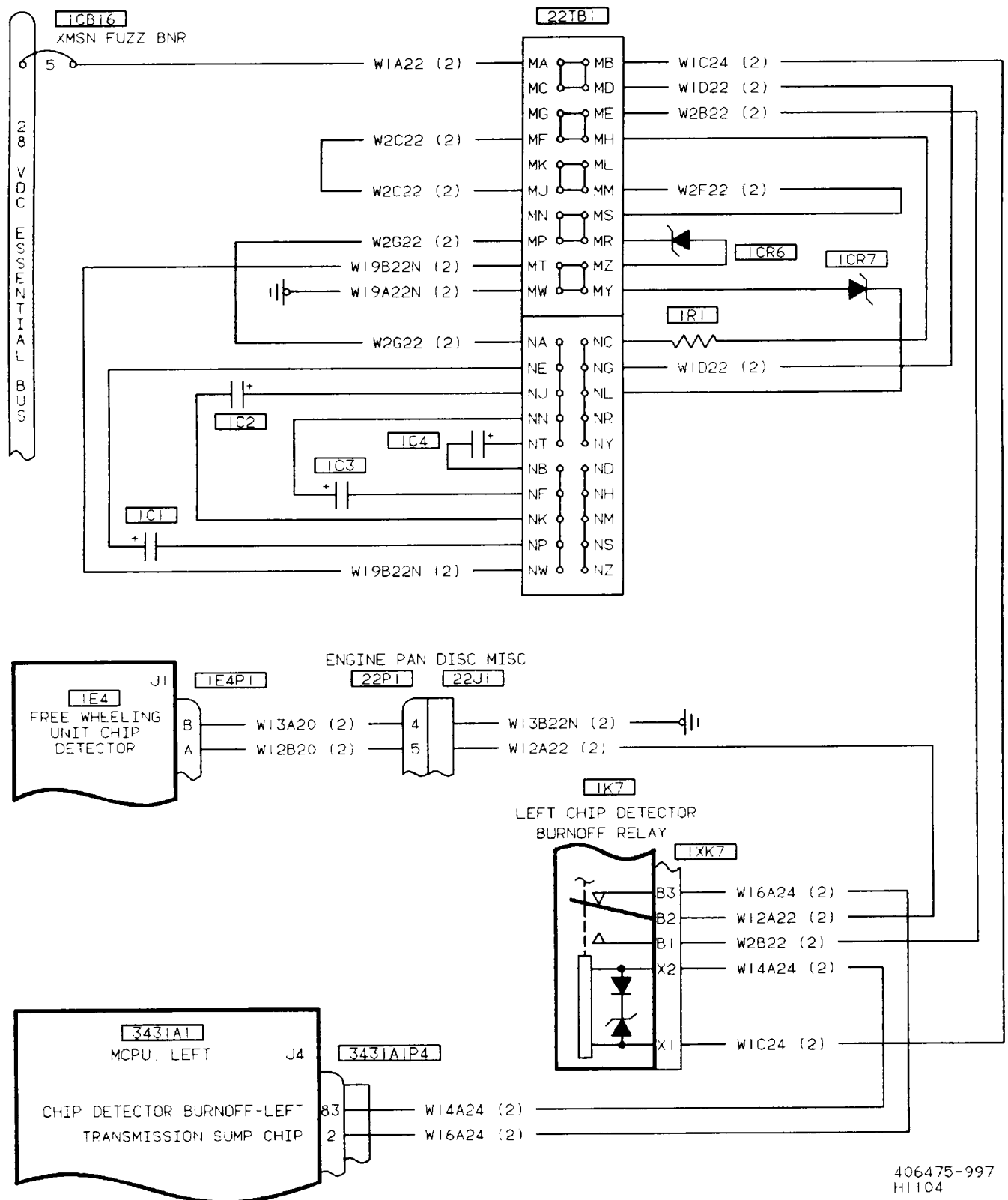
97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)

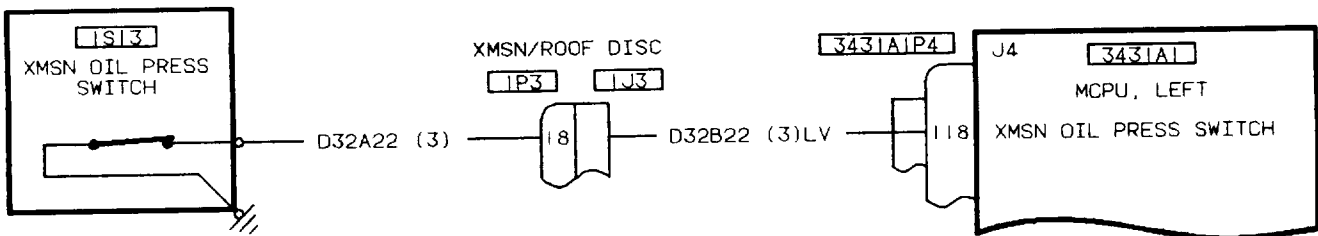
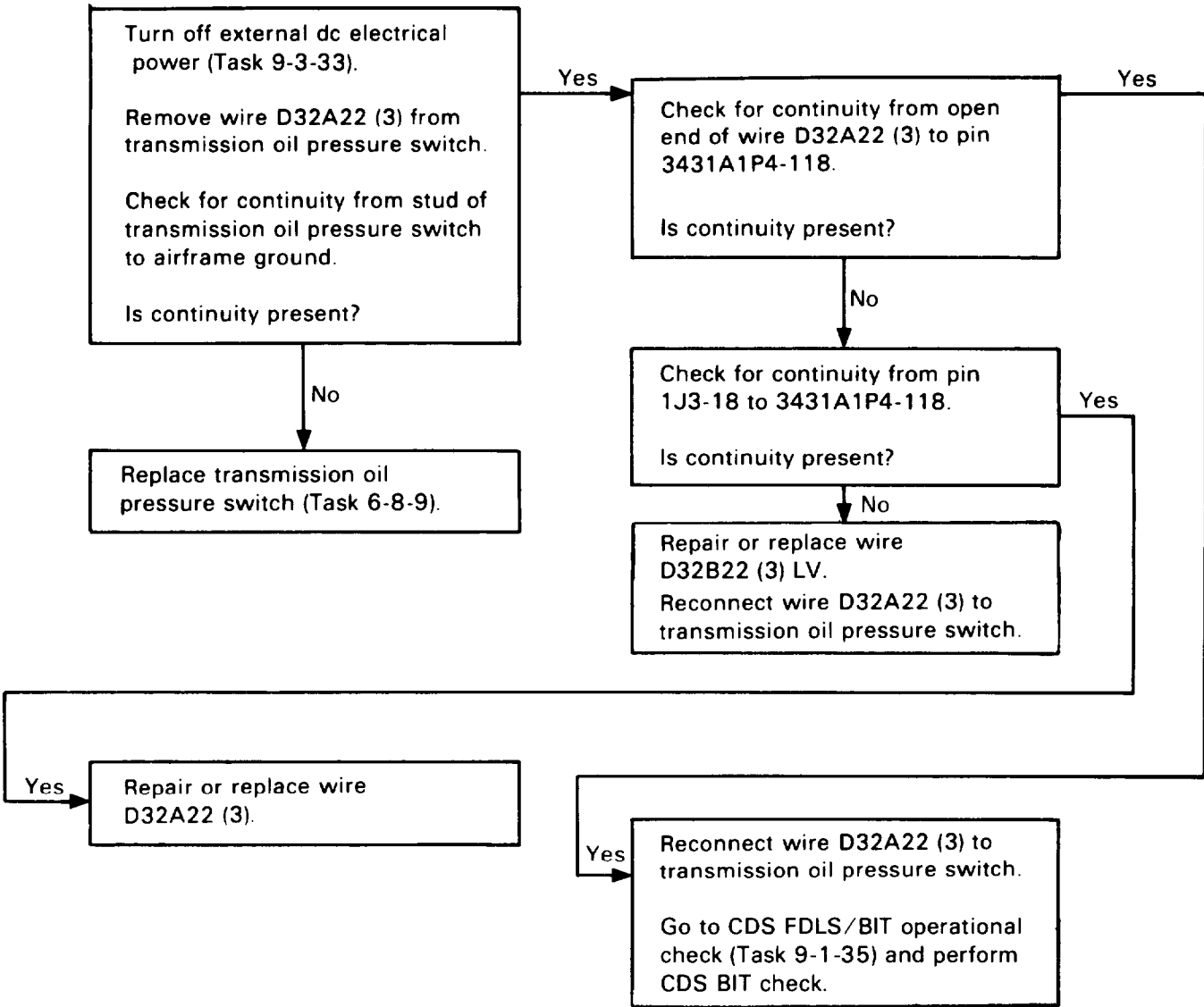


97. FREEWHEELING UNIT CHIP DETECTOR FUZZ BURNER FAILURE-SPECIAL TEST TOOL LED DOES NOT FLASH WHEN TEST SWITCH IS SET TO ON (CONT)



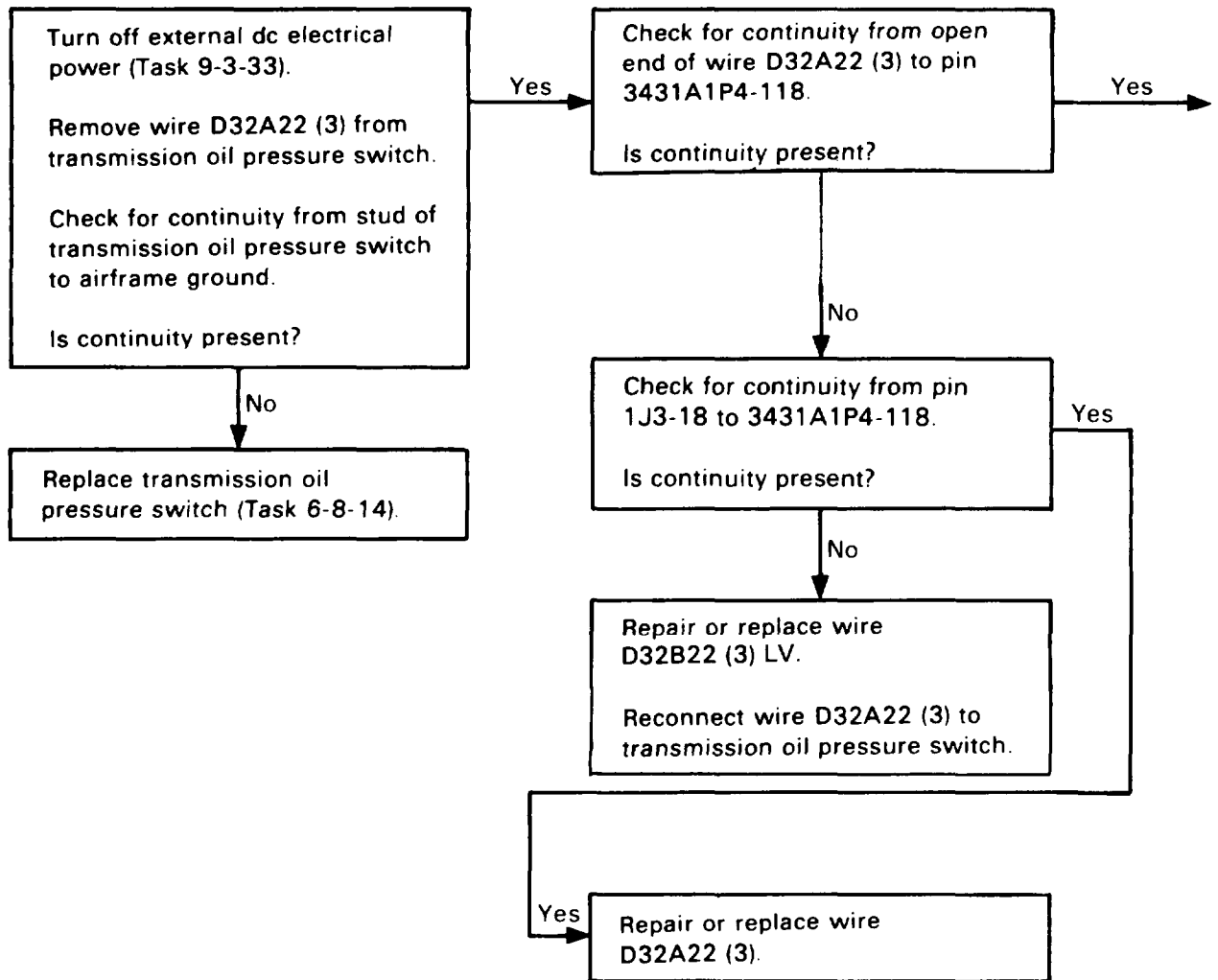
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H1104

98. CAUTION MESSAGE LOW OIL PRESS XMSN DOES NOT COME ON WHEN EXTERNAL DC POWER IS APPLIED

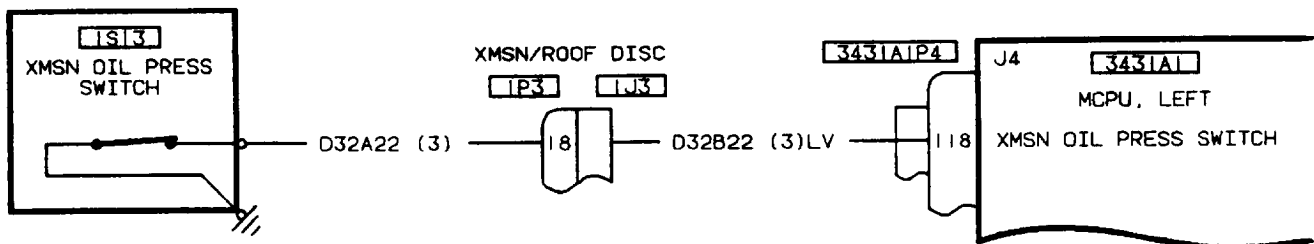
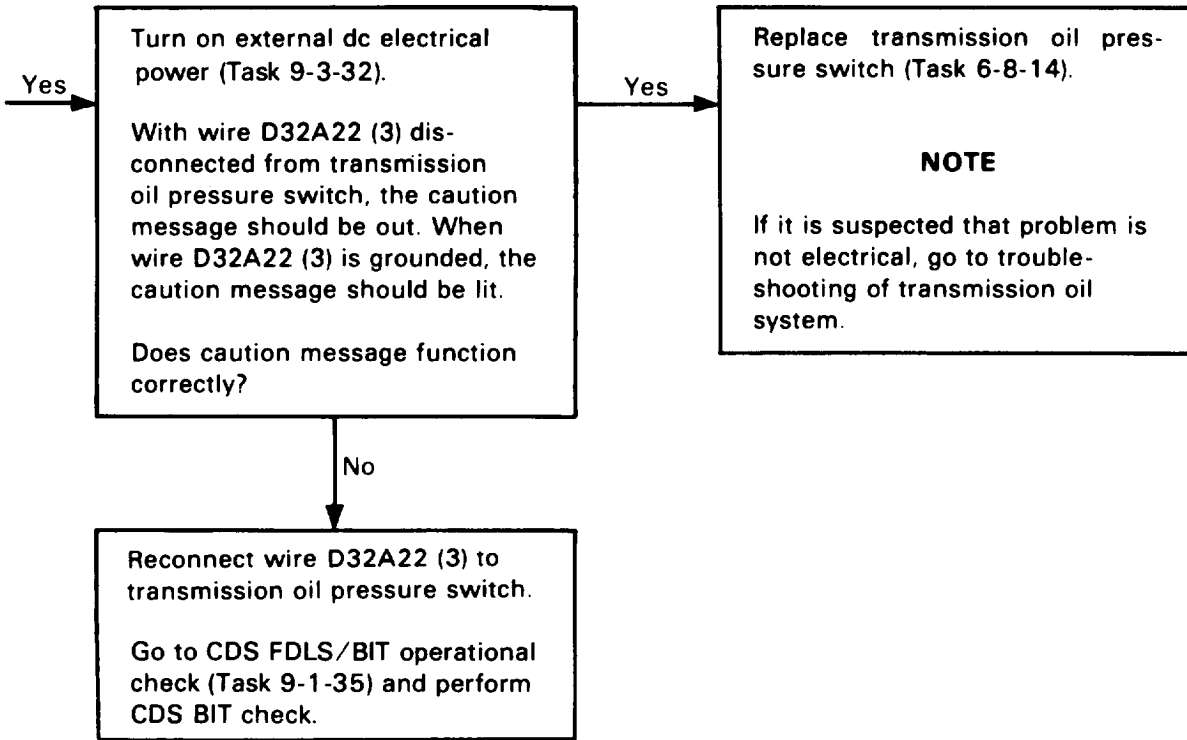


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99. CAUTION MESSAGE LOW OIL PRESS XMSN WILL NOT GO OUT WITH HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON

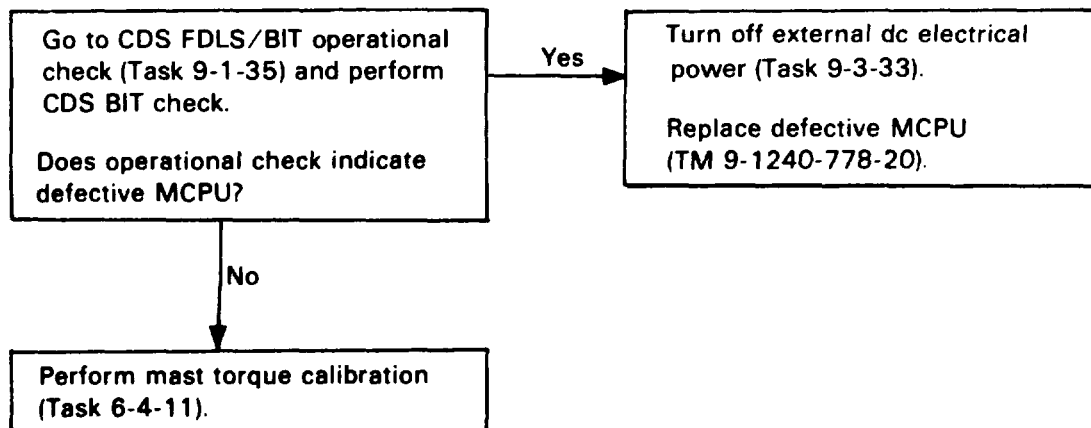


99. CAUTION MESSAGE LOW OIL PRESS XMSN WILL NOT GO OUT WITH HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON (CONT)

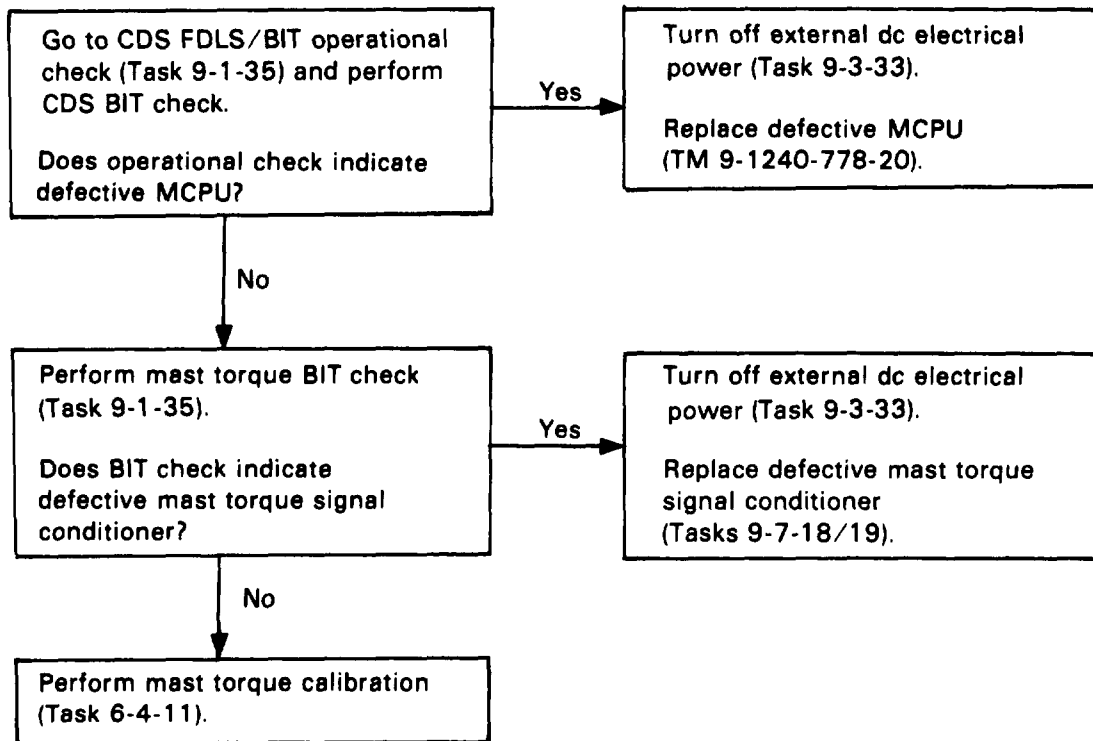


406475-352

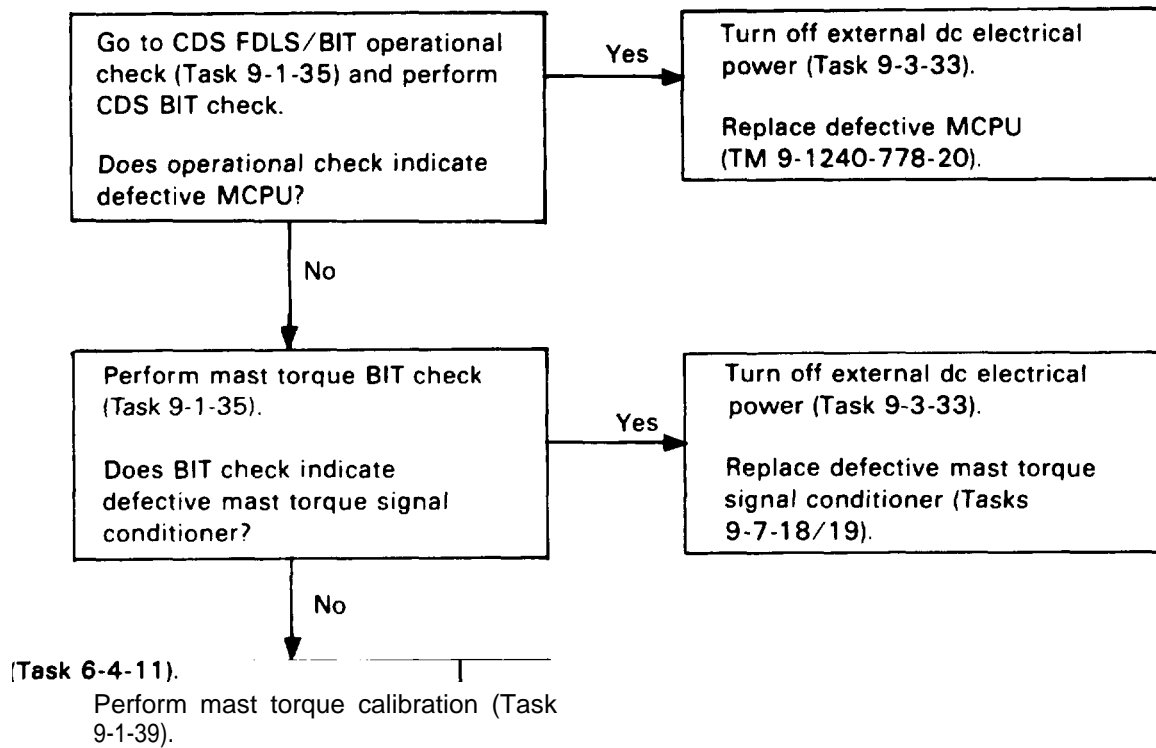
100. WARNING MESSAGE LOW RPM DOES NOT GO OUT WITH HELICOPTER AT 100% RPM



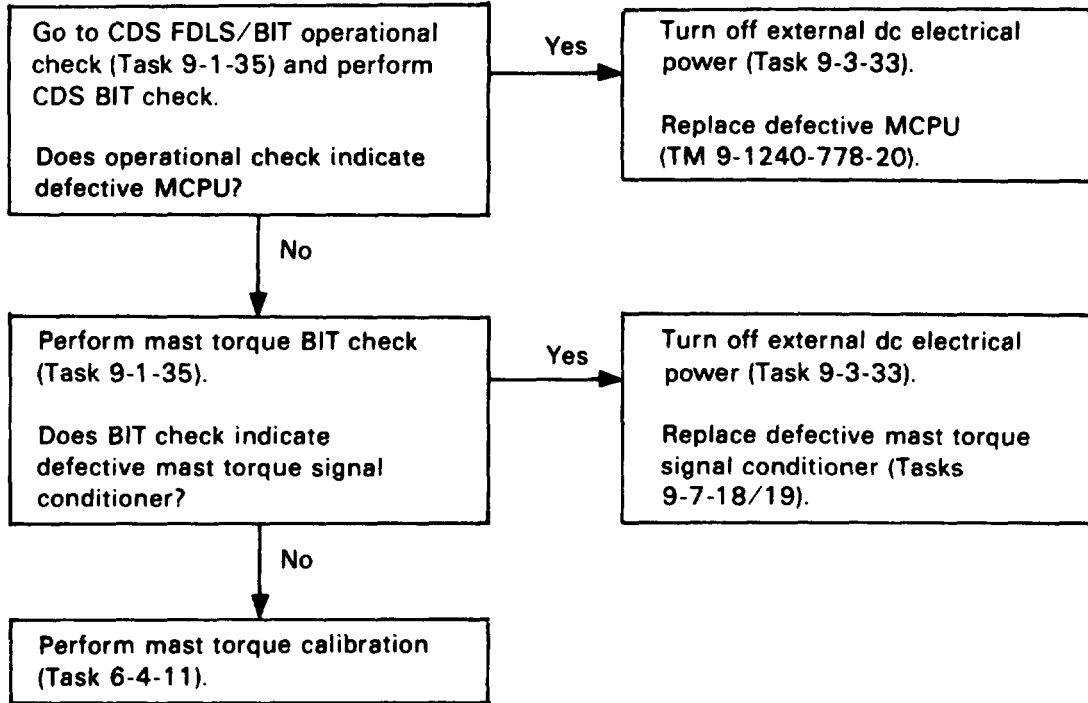
101. WARNING MESSAGE HIGH RPM DOES NOT COME ON OR IT COMES ON AT WRONG RPM



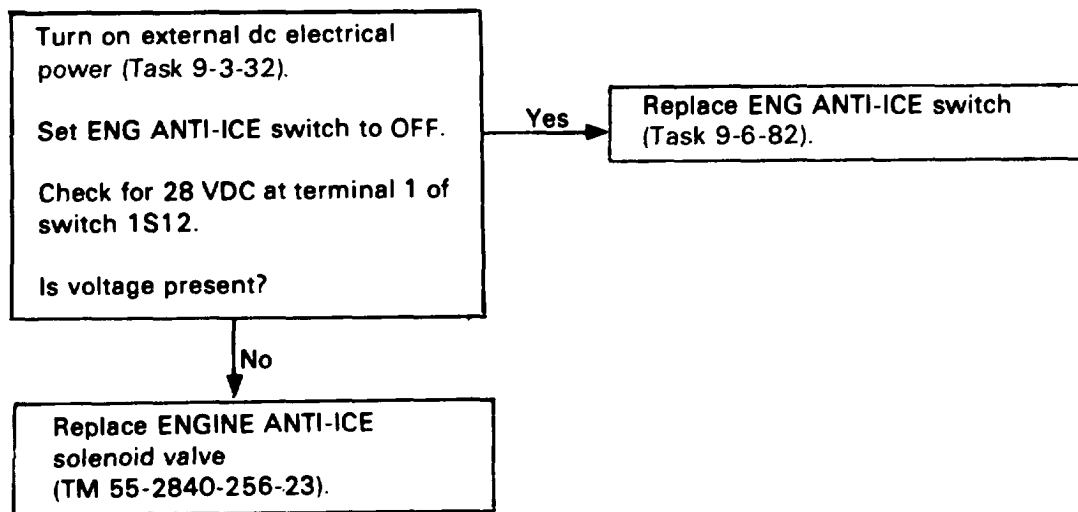
102. WARNING MESSAGE HIGH RPM DOES NOT GO OUT WHEN ROTOR RPM IS REDUCED TO 100%



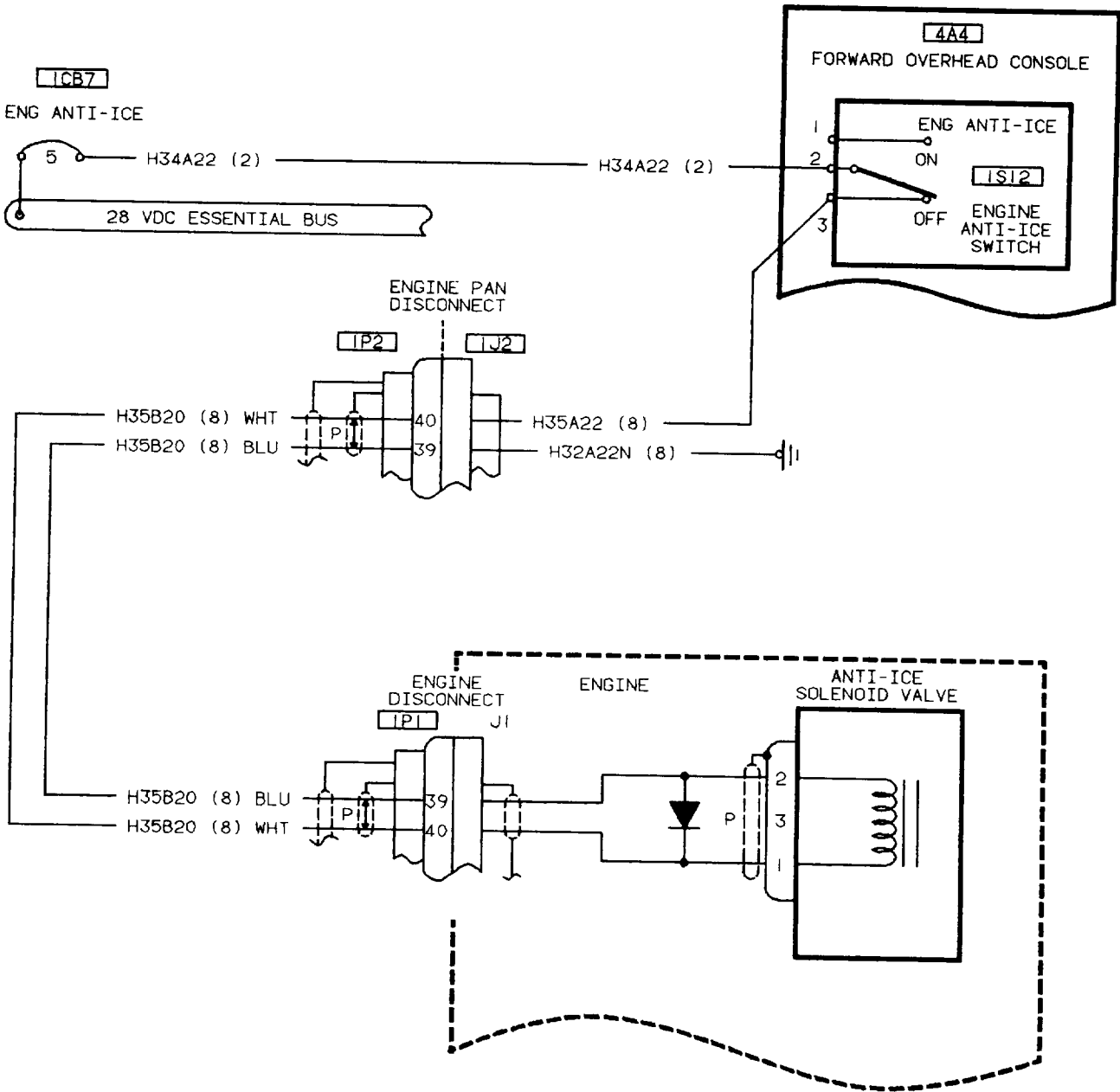
103. WARNING MESSAGE LOW RPM DOES NOT COME ON WHEN ROTOR RPM IS REDUCED TO 97% OR IT COMES ON AT OTHER RPM



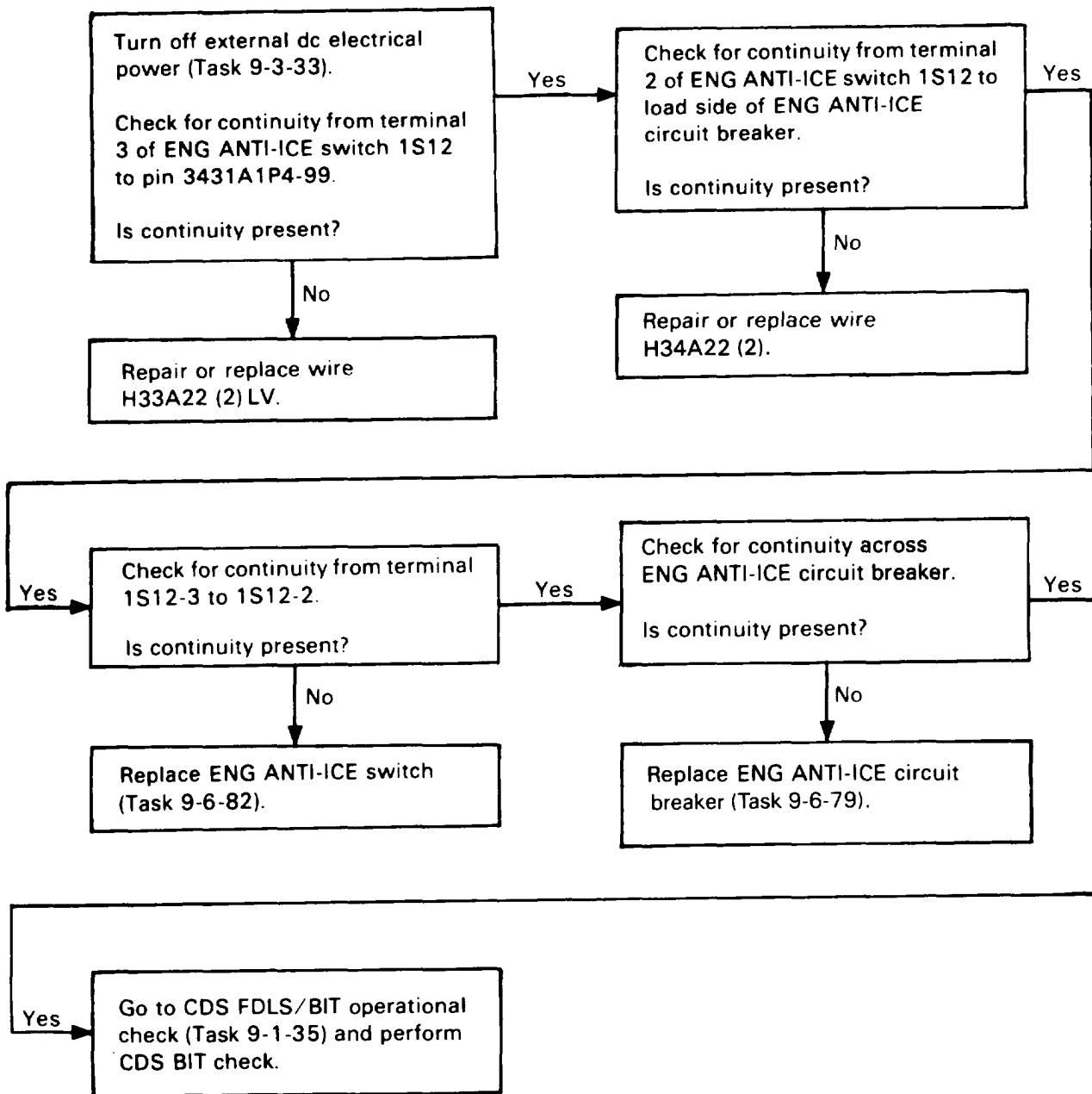
104. ENGINE ANTI-ICE VALVE DOES NOT OPEN (NO RISE IN TGT) WHEN ENG ANTI-ICE SWITCH IS SET TO ENG ANTI-ICE AND HELICOPTER AT IDLE RPM



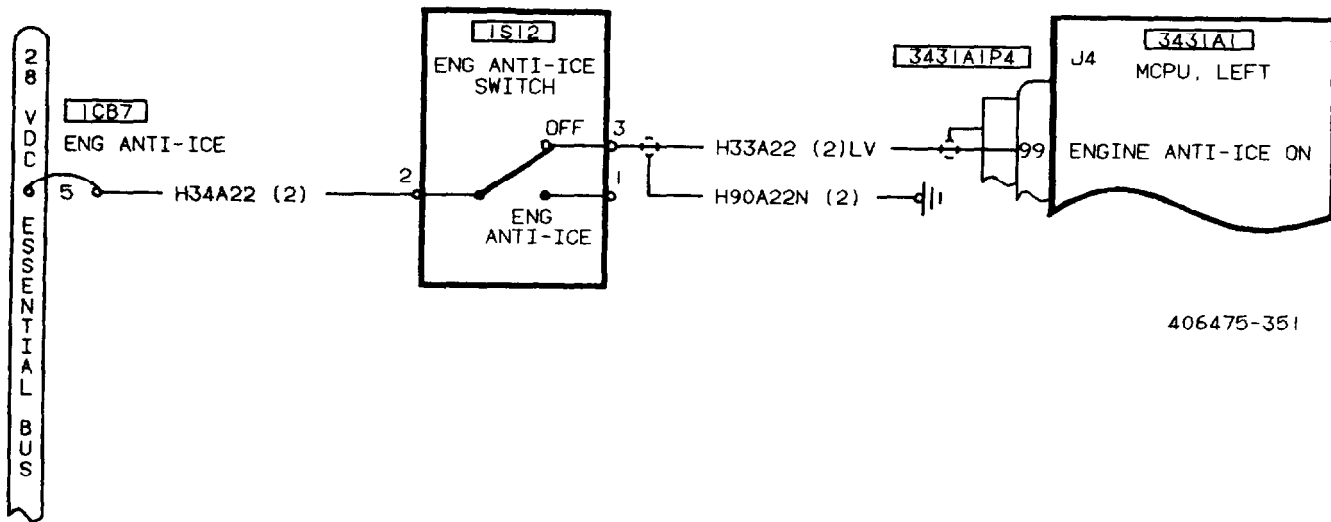
104. ENGINE ANTI-ICE VALVE DOES NOT OPEN (NO RISE IN TGT) WHEN ENG ANTI-ICE SWITCH IS SET TO ENG ANTI-ICE AND HELICOPTER AT IDLE RPM (CONT)



105. ADVISORY MESSAGE ENG ANTI-ICE ON IS NOT LIT (HELICOPTER AT IDLE AND ENG ANTI-ICE SWITCH IS SET TO OFF)

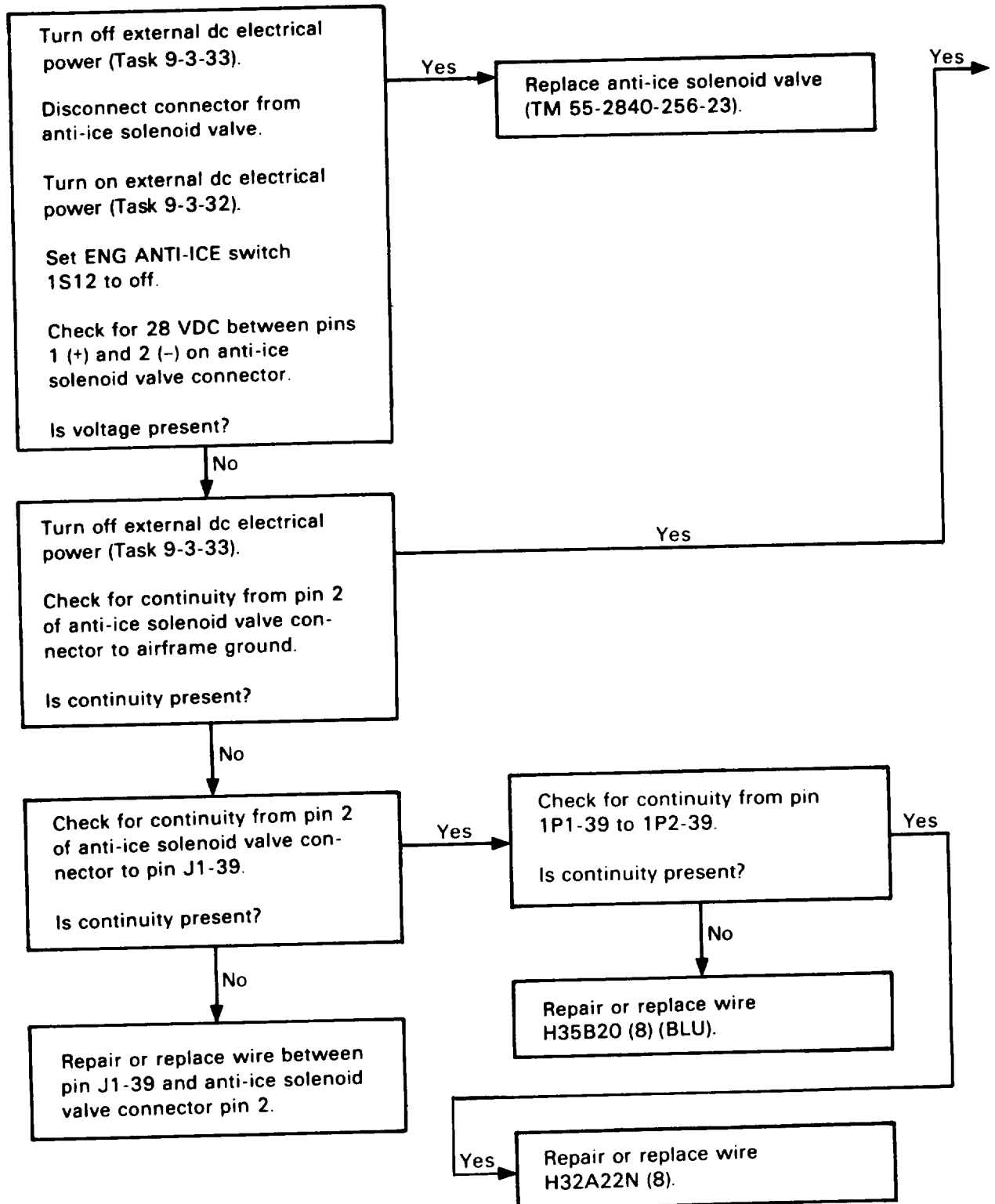


105. ADVISORY MESSAGE ENG ANTI-ICE ON IS NOT LIT (HELICOPTER AT IDLE AND ENG ANTI-ICE SWITCH IS SET TO OFF) (CONT)

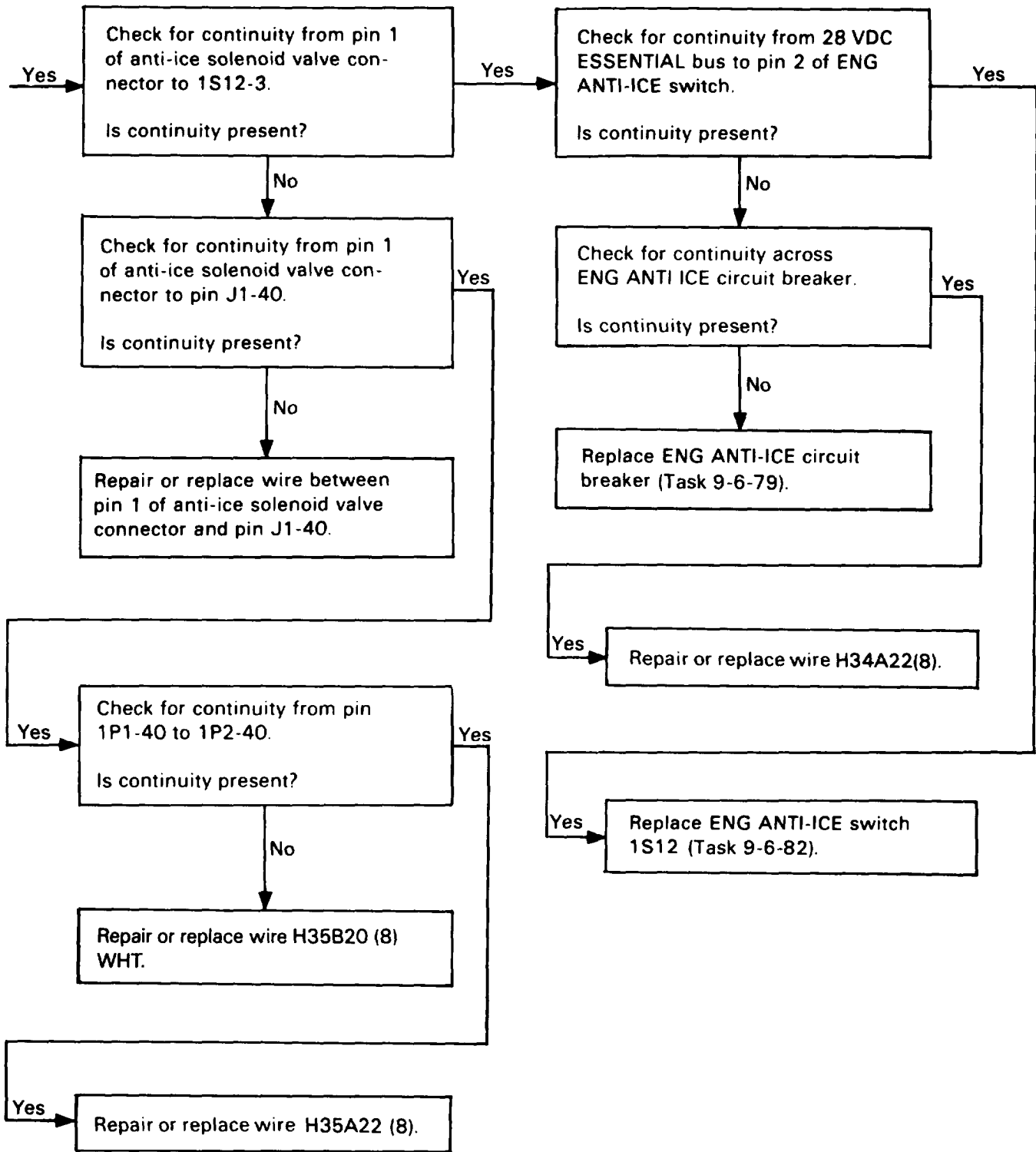


406475-351

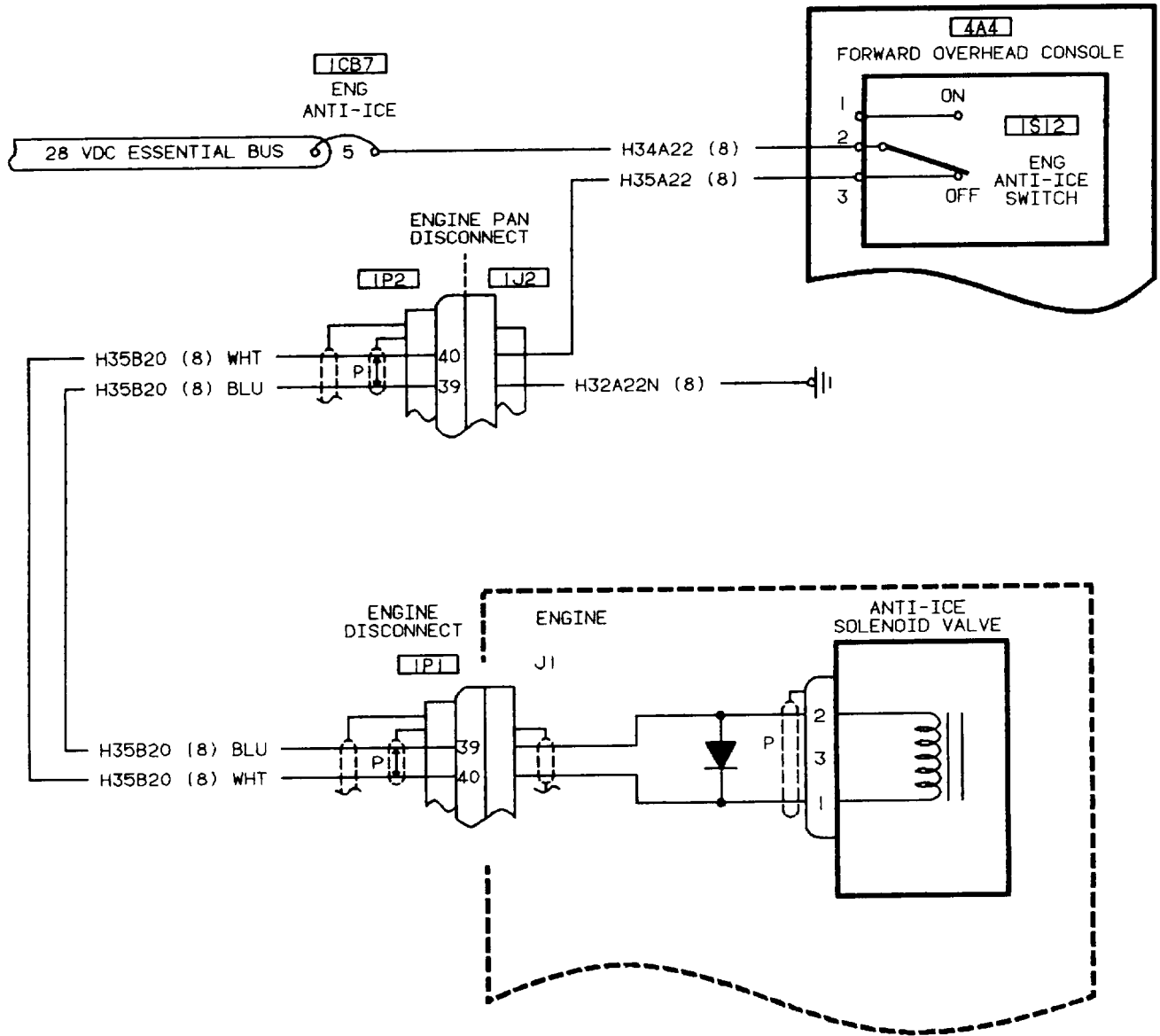
106. ANTI-ICE SOLENOID VALVE DOES NOT CLOSE (NO REDUCTION IN TGT) (HELICOPTER AT IDLE, ENG ANTI-ICE SWITCH TO SET OFF)



106. ANTI-ICE SOLENOID VALVE DOES NOT CLOSE (NO REDUCTION IN TGT) (HELICOPTER AT IDLE, ENG ANTI-ICE SWITCH TO SET OFF) (CONT)

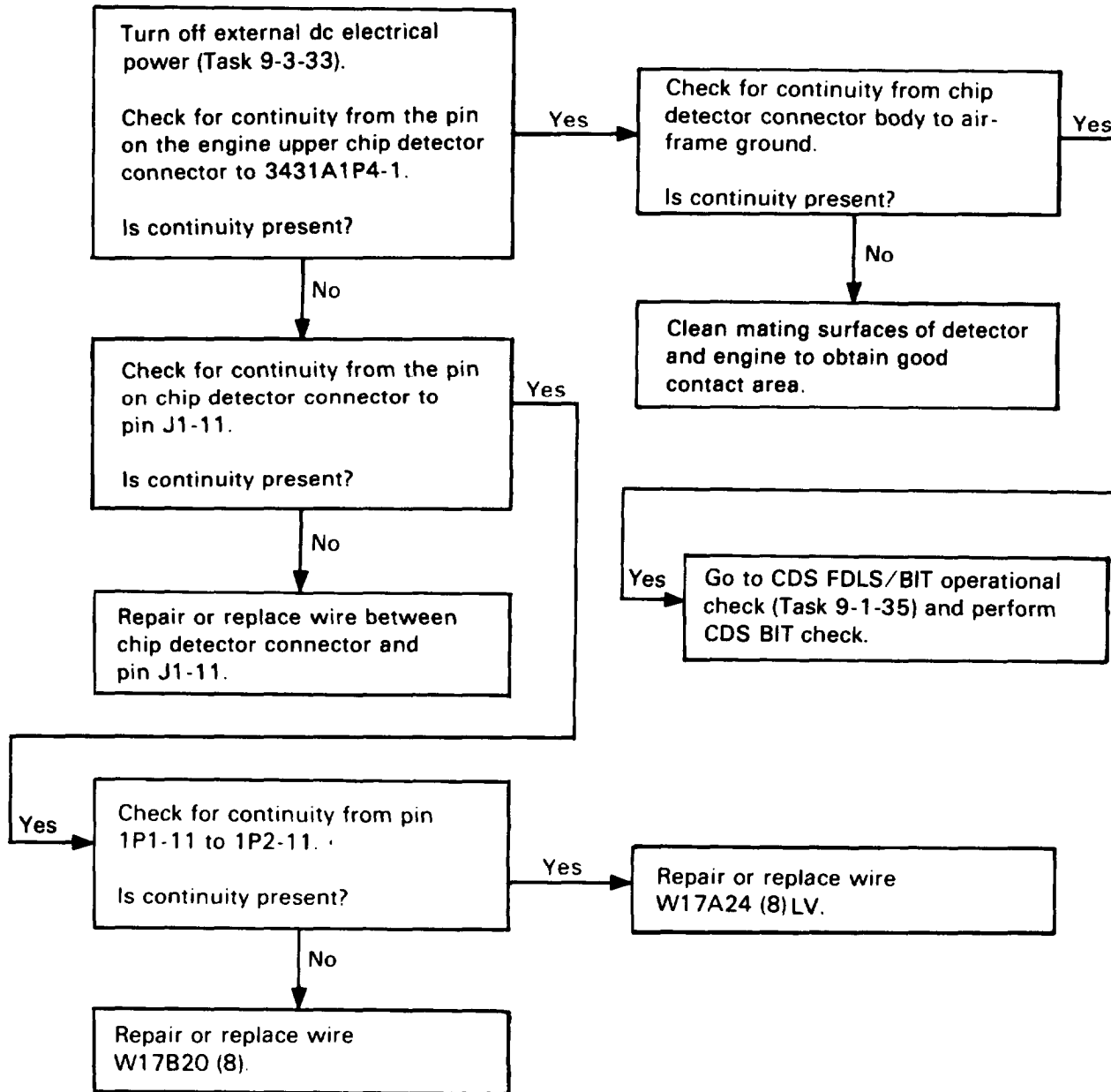


106. ANTI-ICE SOLENOID VALVE DOES NOT CLOSE (NO REDUCTION IN TGT) (HELICOPTER AT IDLE, ENG ANTI-ICE SWITCH TO SET OFF) (CONT)

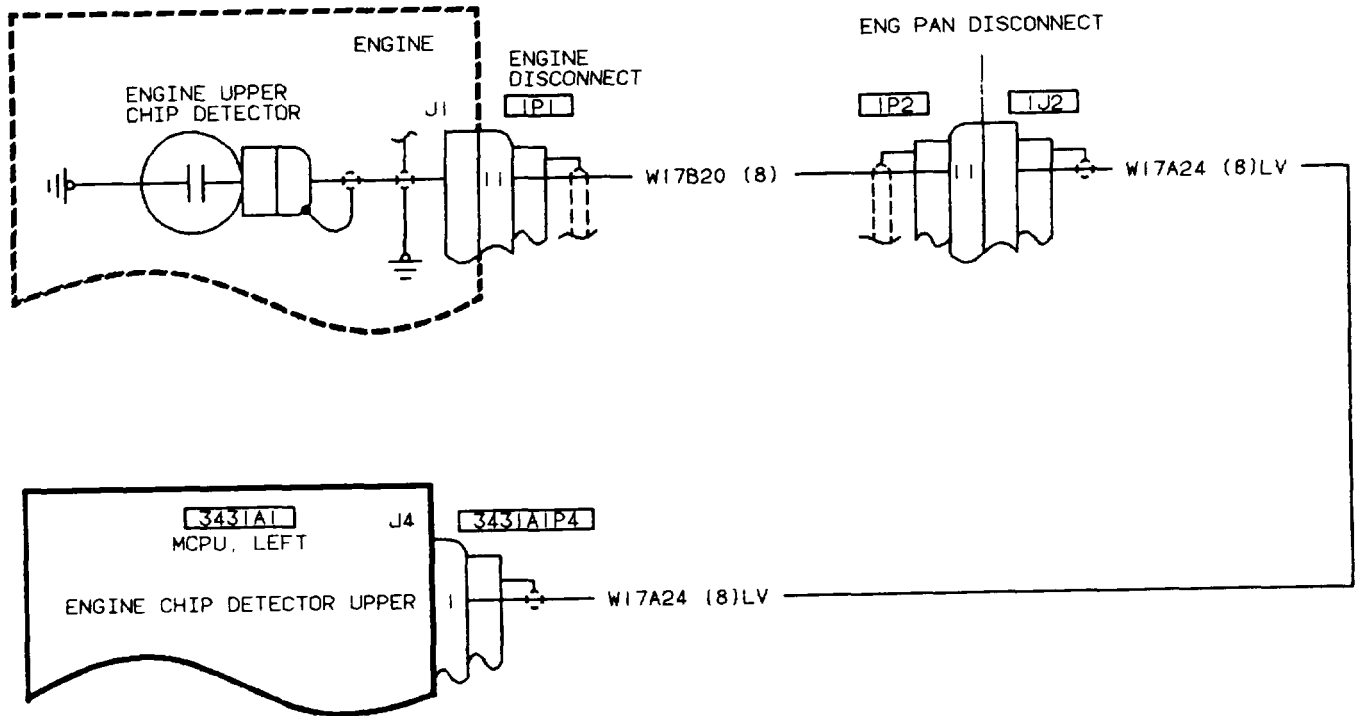


406475-354

107. CAUTION MESSAGE CHIP ENG UPPER DOES NOT COME ON (ENGINE UPPER CHIP DETECTOR CONNECTOR CONNECTED TO SPECIAL TEST TOOL AND TEST SWITCH SET TO ON)

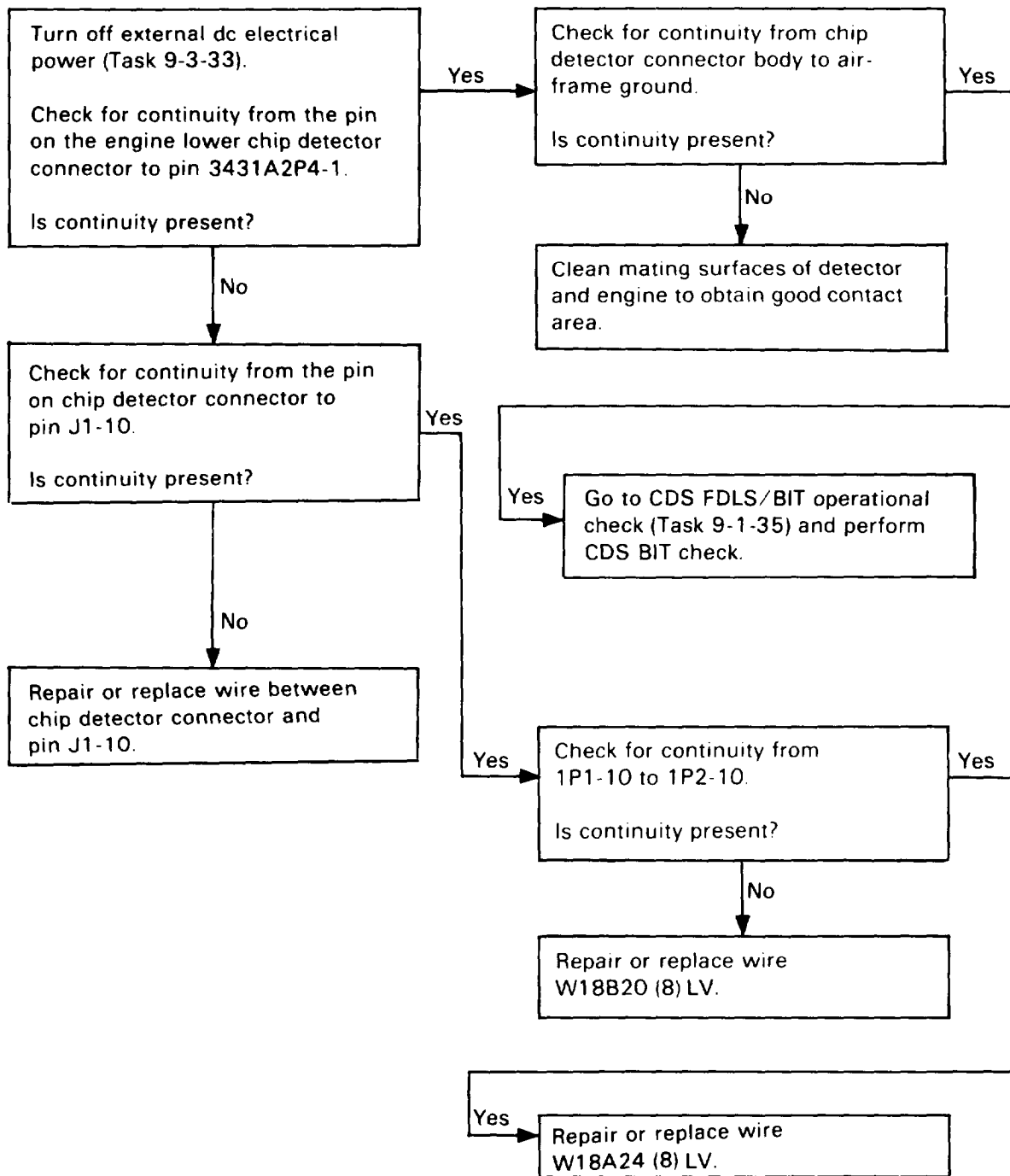


107. CAUTION MESSAGE CHIP ENG UPPER DOES NOT COME ON (ENGINE UPPER CHIP DETECTOR CONNECTOR CONNECTED TO SPECIAL TEST TOOL AND TEST SWITCH SET TO ON) (CONT)

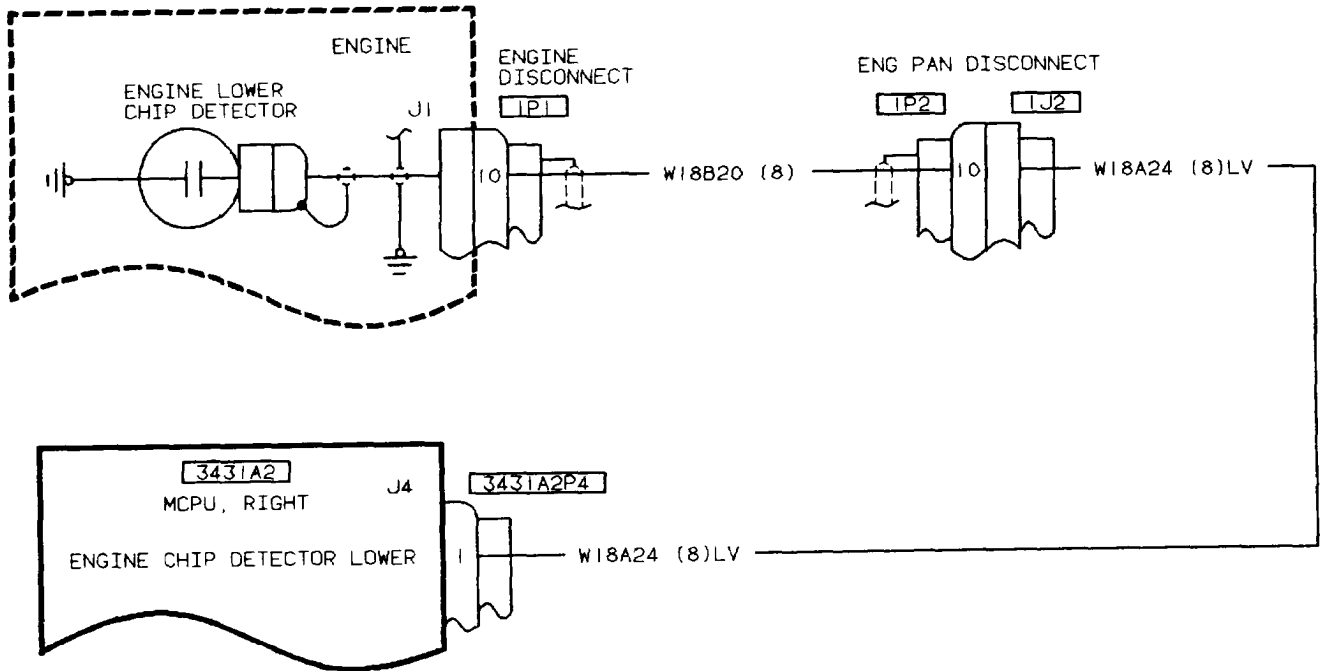


406475-350

108. CAUTION MESSAGE CHIP ENG LOWER DOES NOT COME ON (ENGINE LOWER CHIP DETECTOR CONNECTOR CONNECTED TO SPECIAL TEST TOOL AND TEST SWITCH SET TO ON)

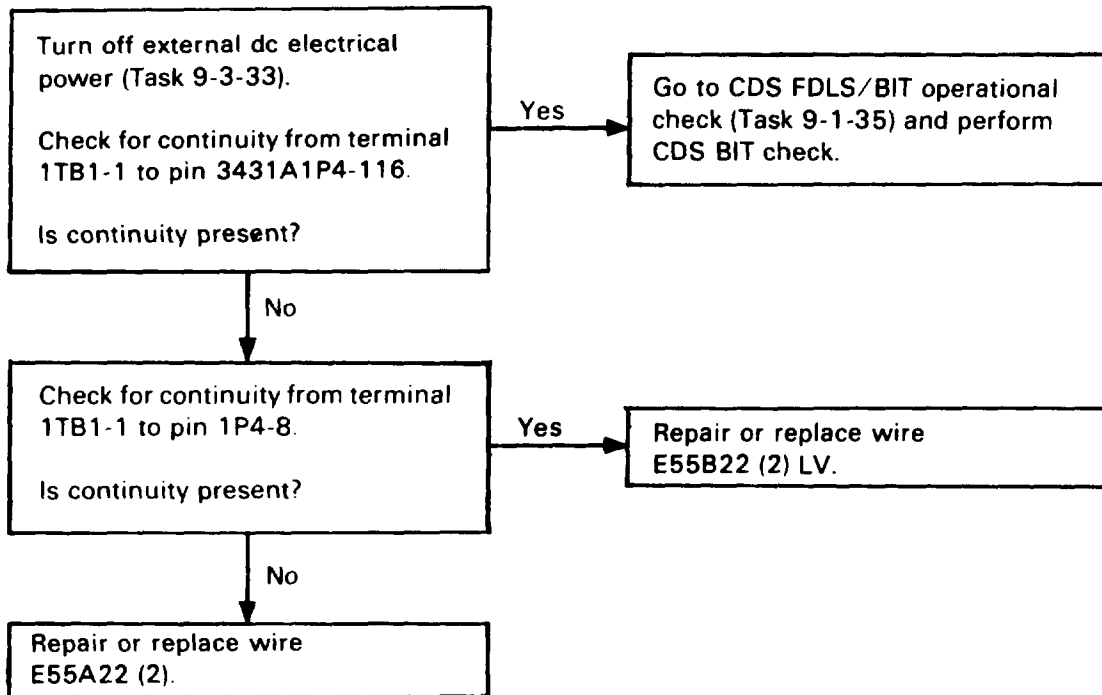


108. CAUTION MESSAGE CHIP ENG LOWER DOES NOT COME ON (ENGINE LOWER CHIP DETECTOR CONNECTOR CONNECTED TO SPECIAL TEST TOOL AND TEST SWITCH SET TO ON) (CONT)

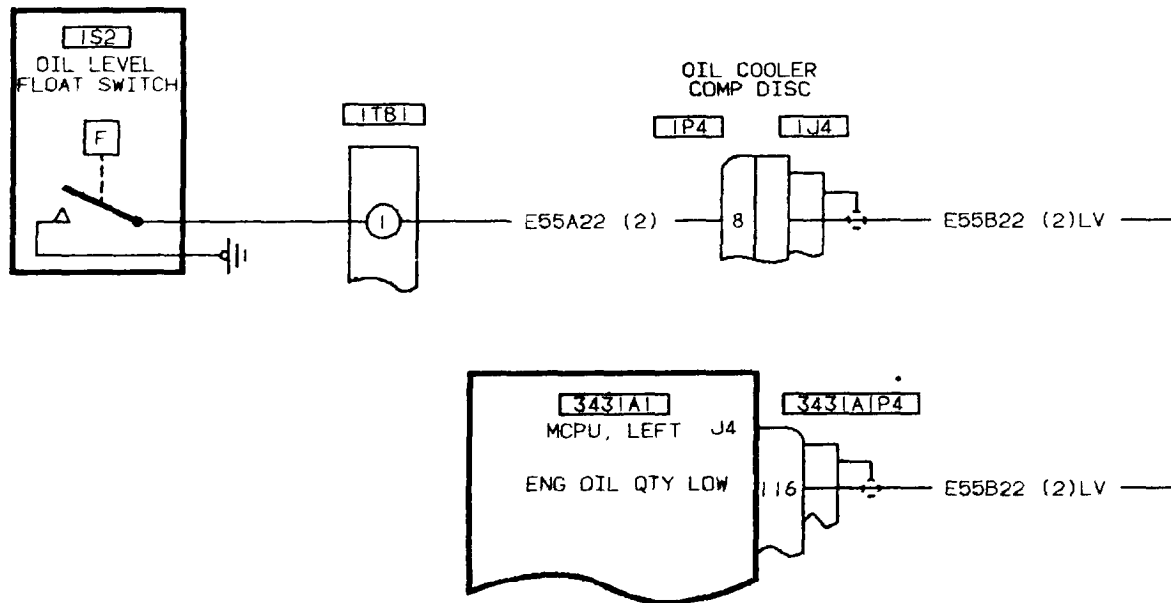


406475-349

109. CAUTION MESSAGE LOW OIL QUANTITY ENG DOES NOT COME ON WHEN TERMINAL 1TB1 -1 IS GROUNDED

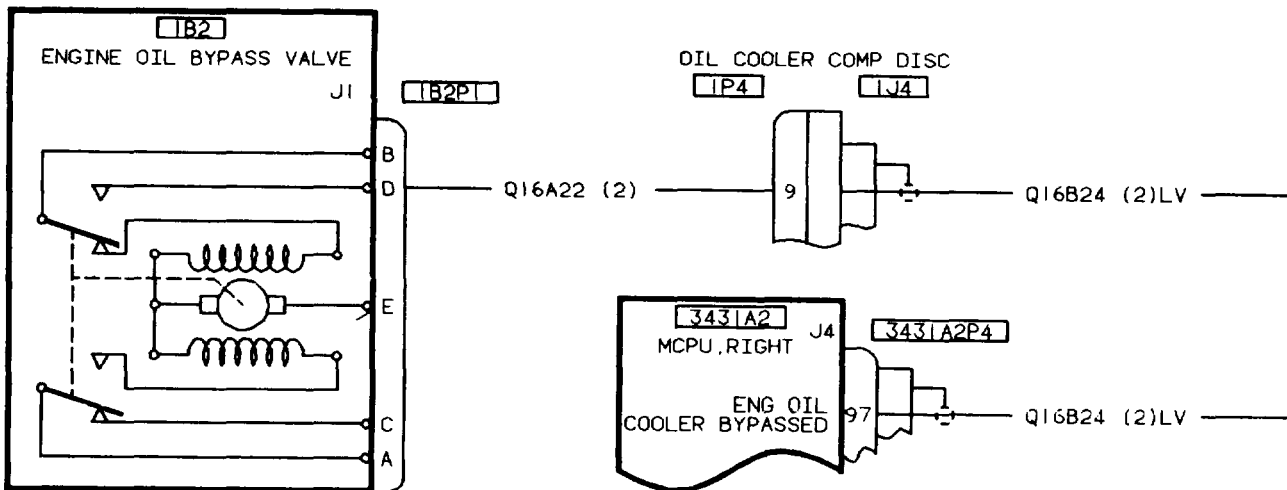
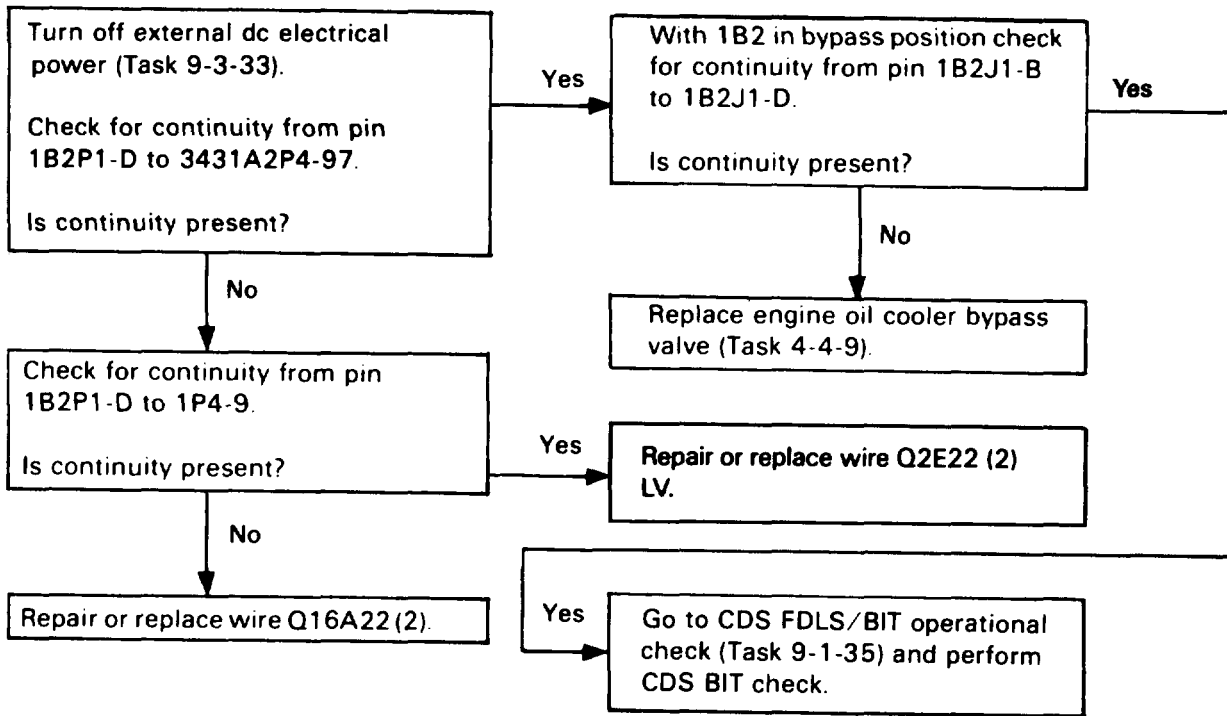


109 CAUTION MESSAGE LOW OIL QUANTITY ENG DOES NOT COME ON WHEN TERMINAL 1TB1-1 IS GROUNDED (CONT)



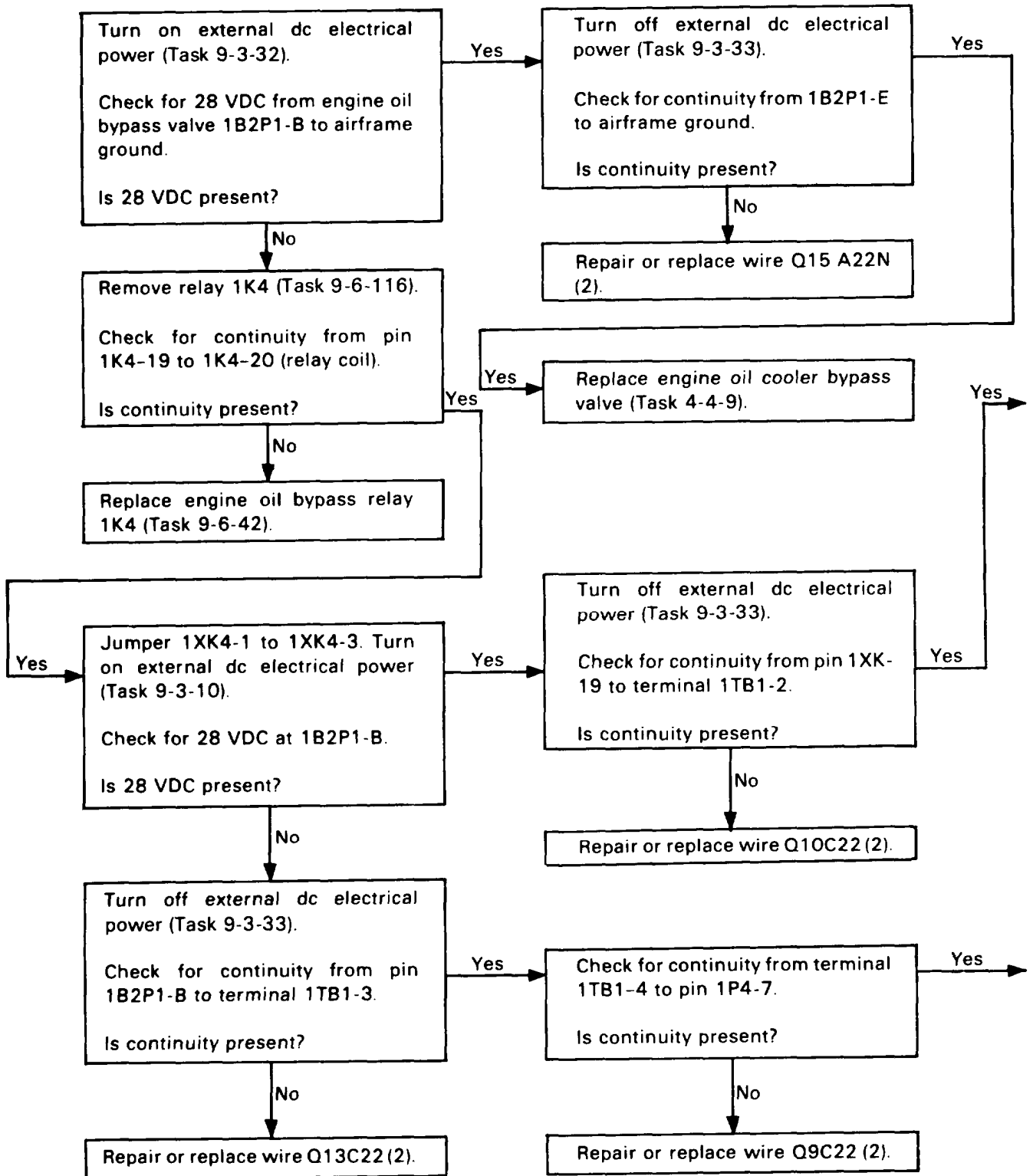
406475-348
H2087

110. CAUTION MESSAGE OIL BYPASS ENG DOES NOT COME ON (1TB1 -1 JUMPERED TO GROUND AND ENG OIL BYPASS SWITCH SET TO AUTO)

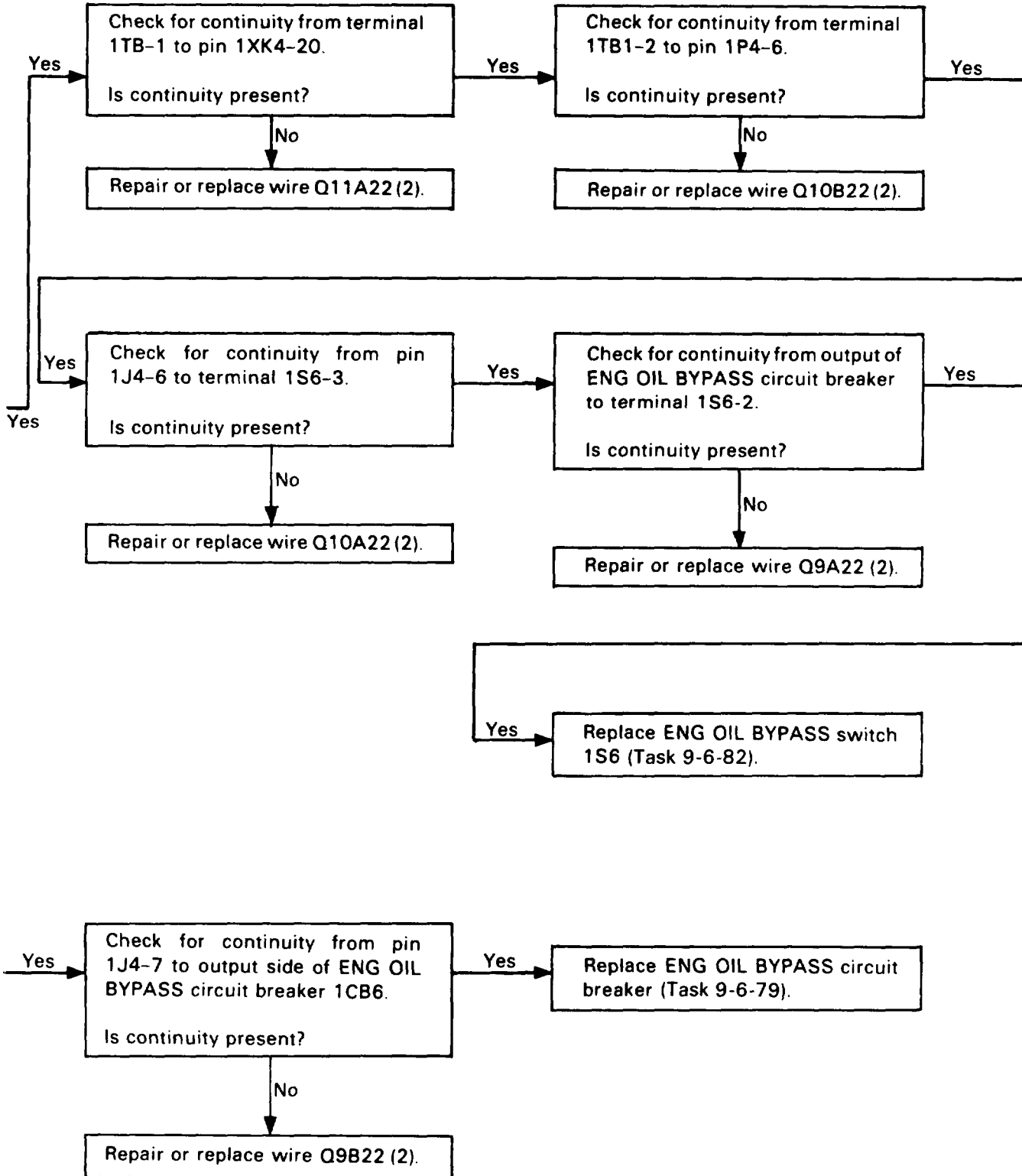


406475-347
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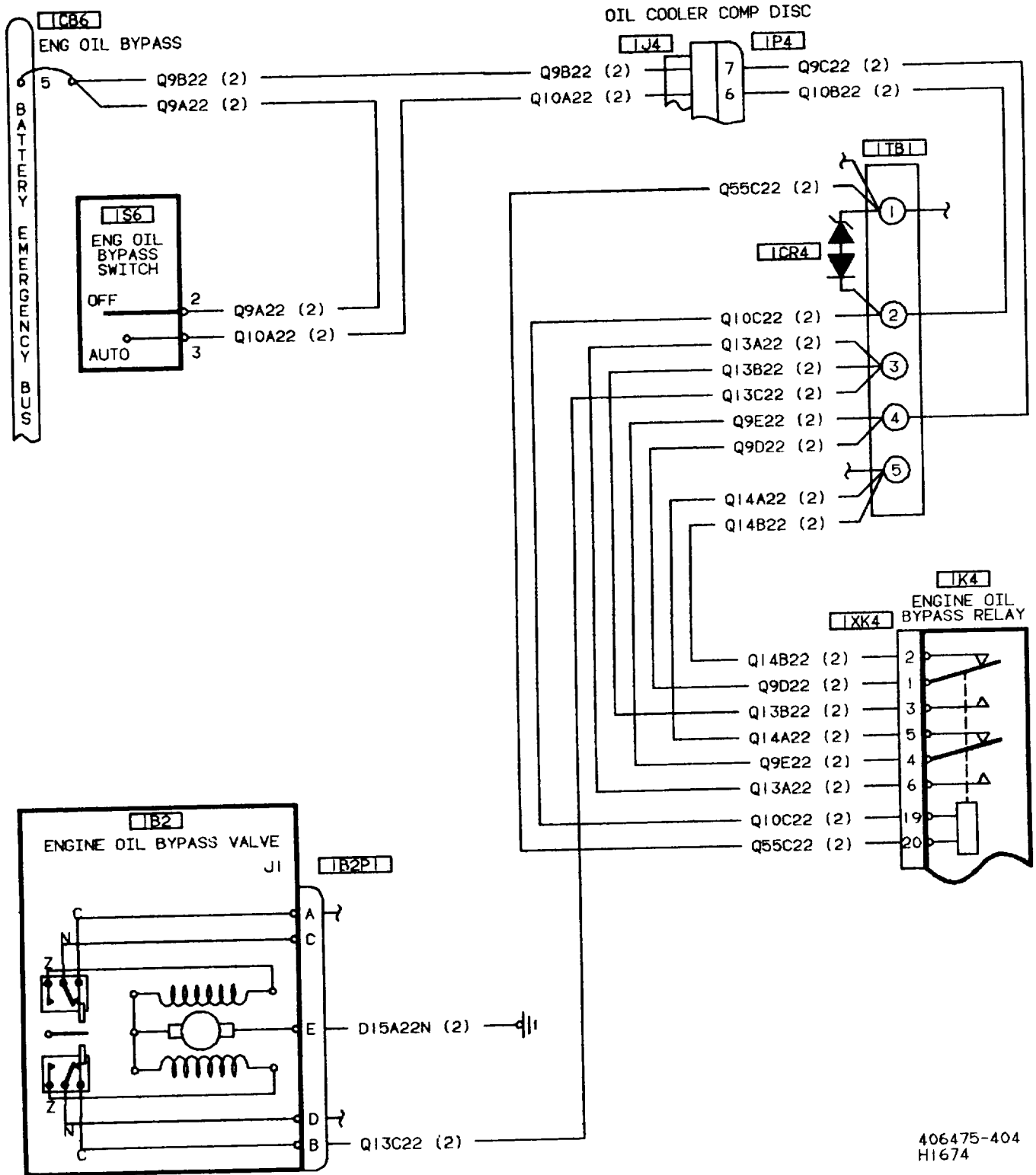
111. ENGINE OIL BYPASS VALVE WILL NOT GO TO BYPASS POSITION (1TB1-1 TEMPORARILY JUMPERED TO GROUND AND ENG OIL BYPASS SWITCH SET TO AUTO)



111. ENGINE OIL BYPASS VALVE WILL NOT GO TO BYPASS POSITION (1TB1 -1 TEMPORARILY JUMPERED TO GROUND AND ENG OIL BYPASS SWITCH SET TO AUTO) (CONT)

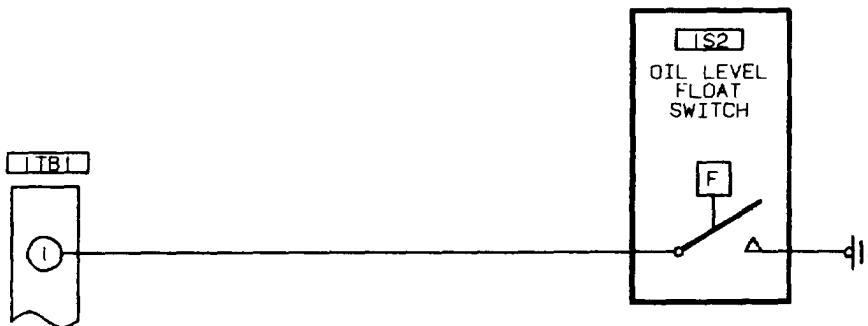
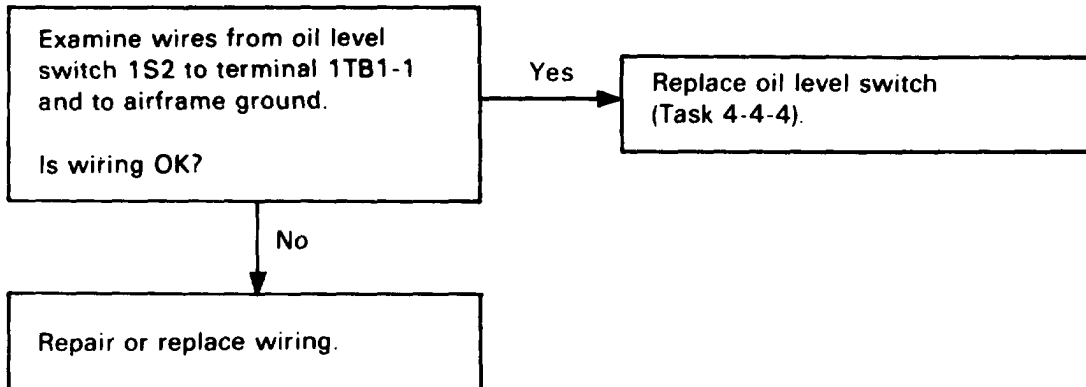


111. ENGINE OIL BYPASS VALVE WILL NOT GO TO BYPASS POSITION (1TB1-1 TEMPORARILY JUMPED TO GROUND AND ENG OIL BYPASS SWITCH SET TO AUTO) (CONT)



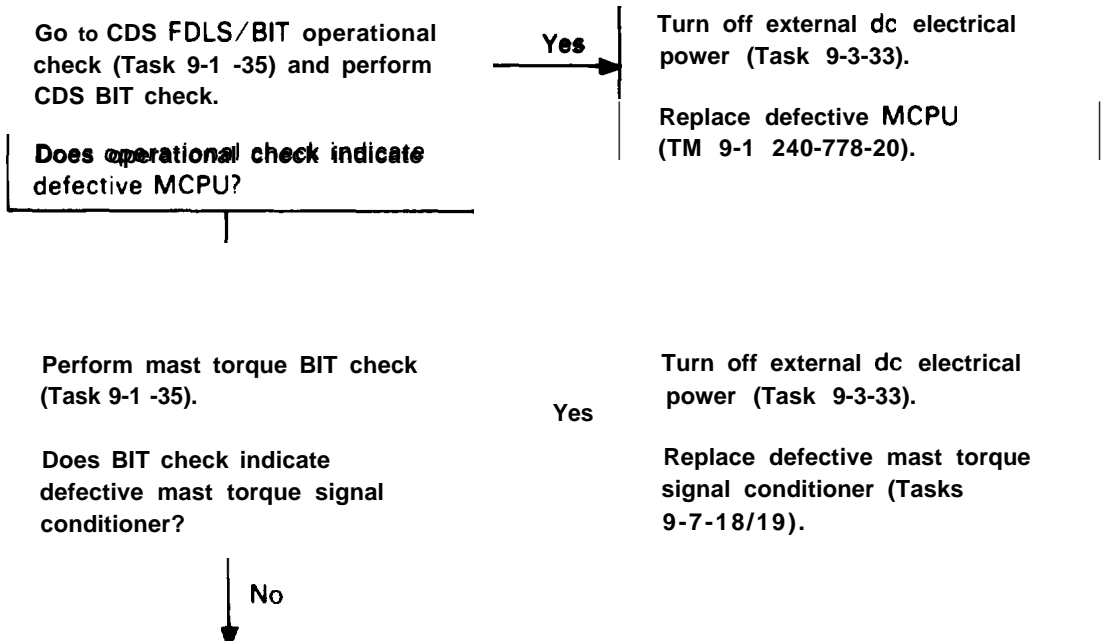
406475-404
H1674

112. OIL LEVEL SWITCH DOES NOT CLOSE

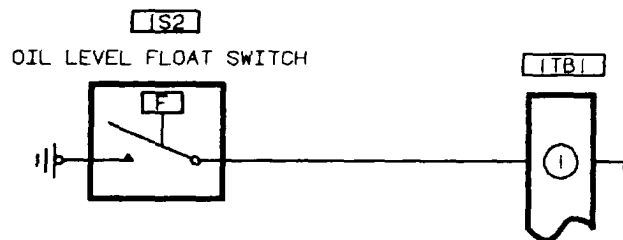
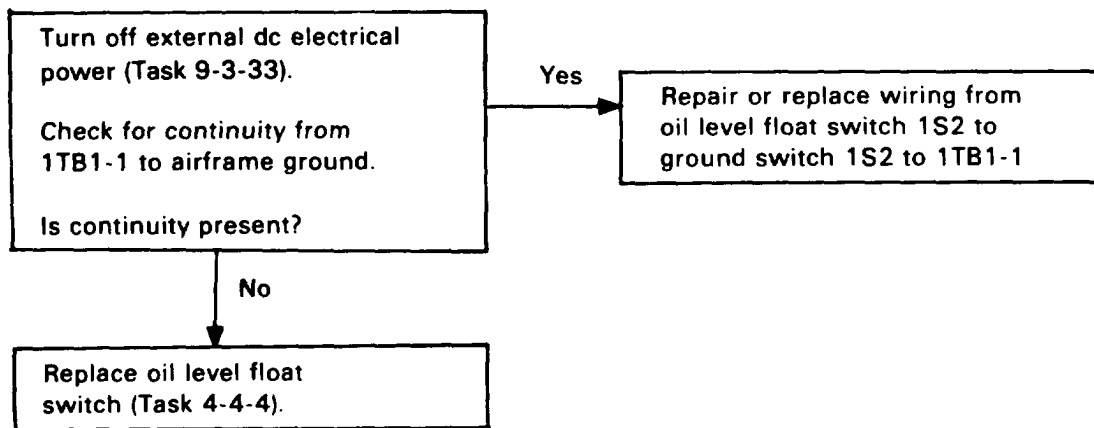


406475-405

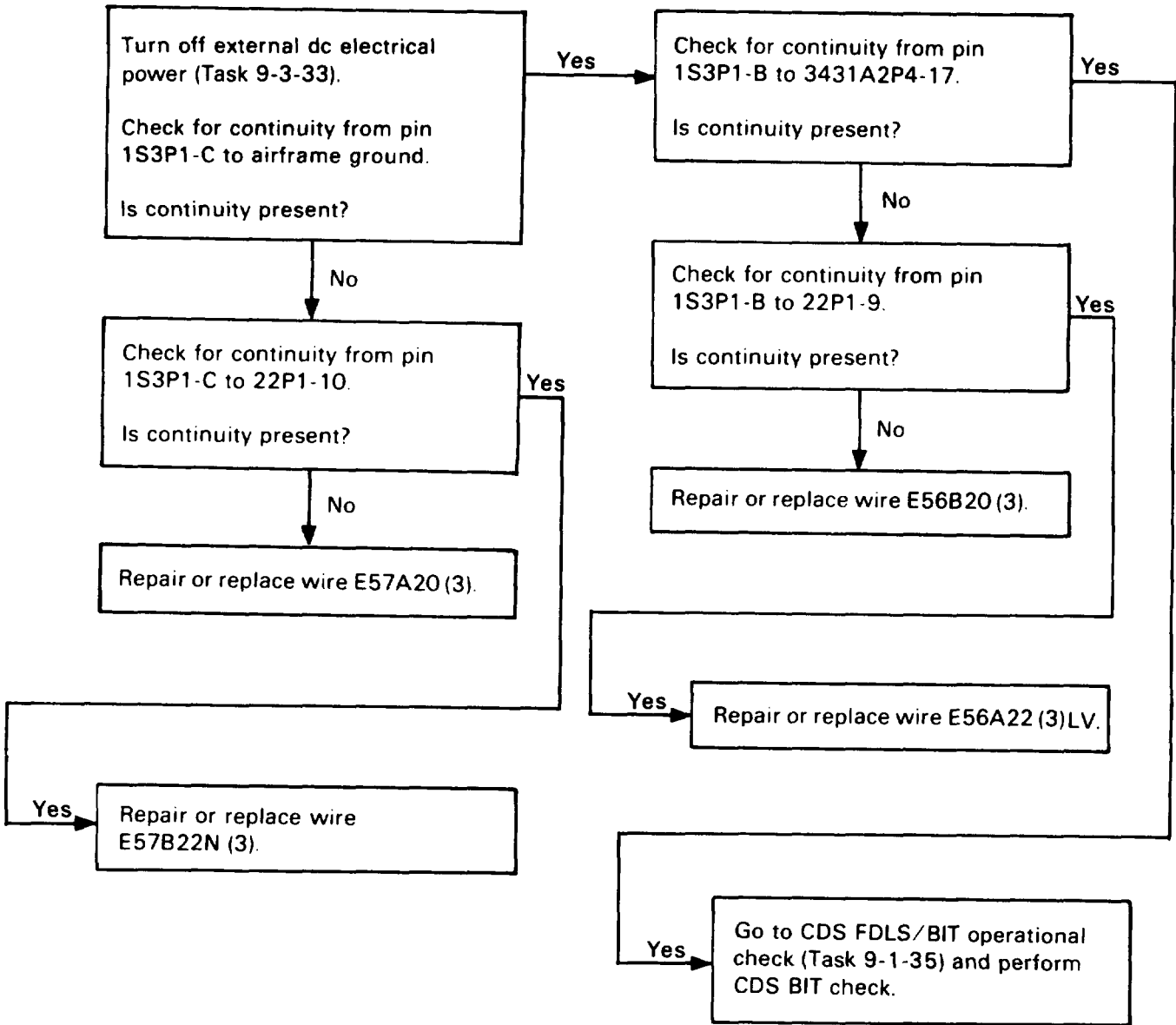
102. WARNING MESSAGE HIGH RPM DOES NOT GO OUT WHEN ROTOR RPM IS REDUCED TO 100%



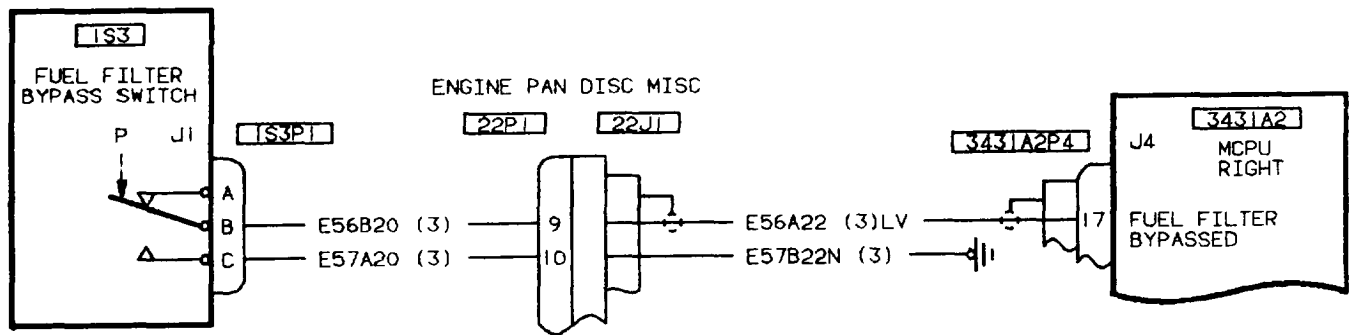
113. OIL LEVEL SWITCH DOES NOT OPEN



114. CAUTION MESSAGE FUEL FILTER BYPASS DOES NOT COME ON (JUMPER BETWEEN PINS B AND C OF 1S3P1)

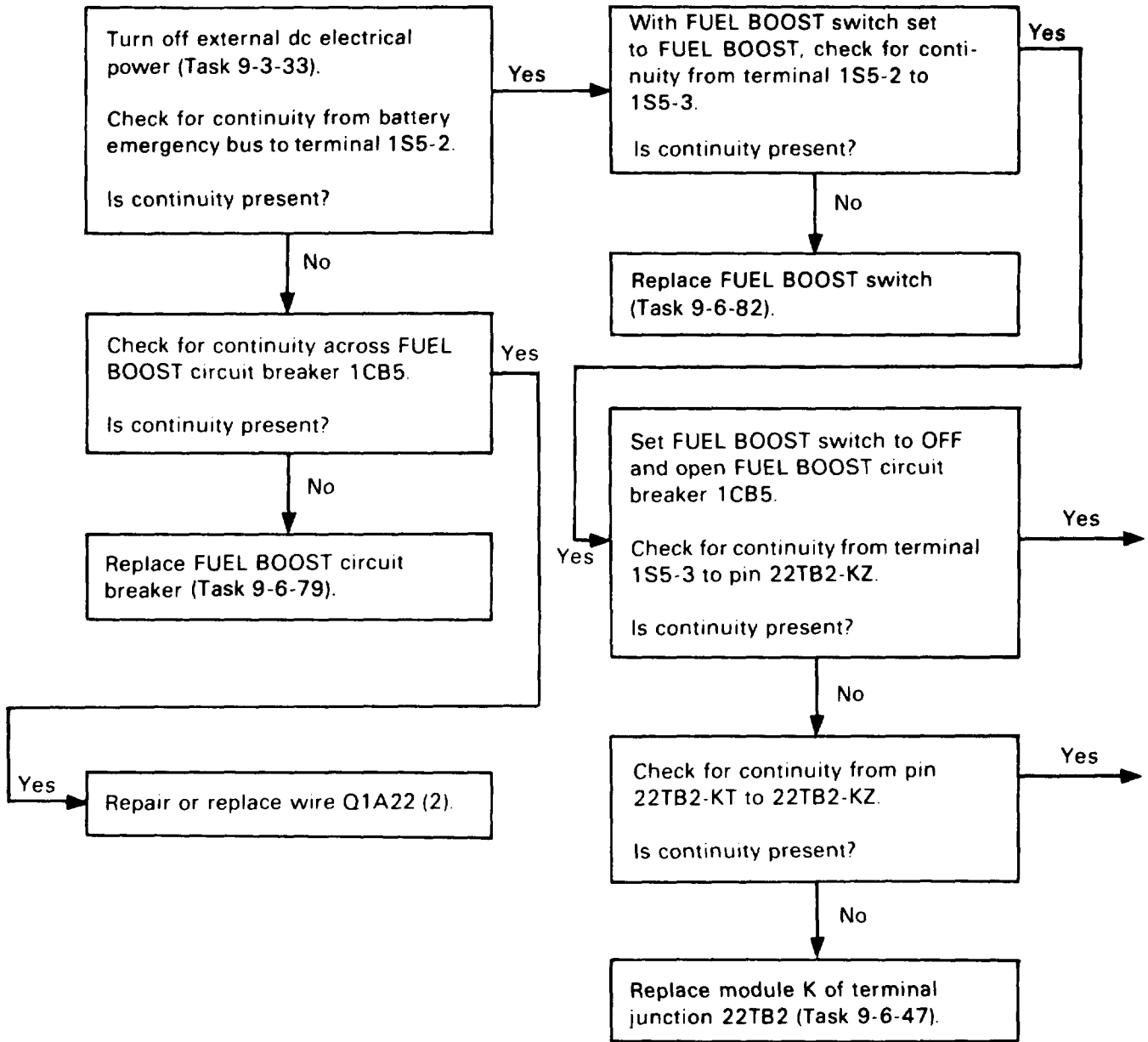


114. CAUTION MESSAGE FUEL FILTER BYPASS DOES NOT COME ON (JUMPER BETWEEN PINS B AND C OF 1S3P1) (CONT)

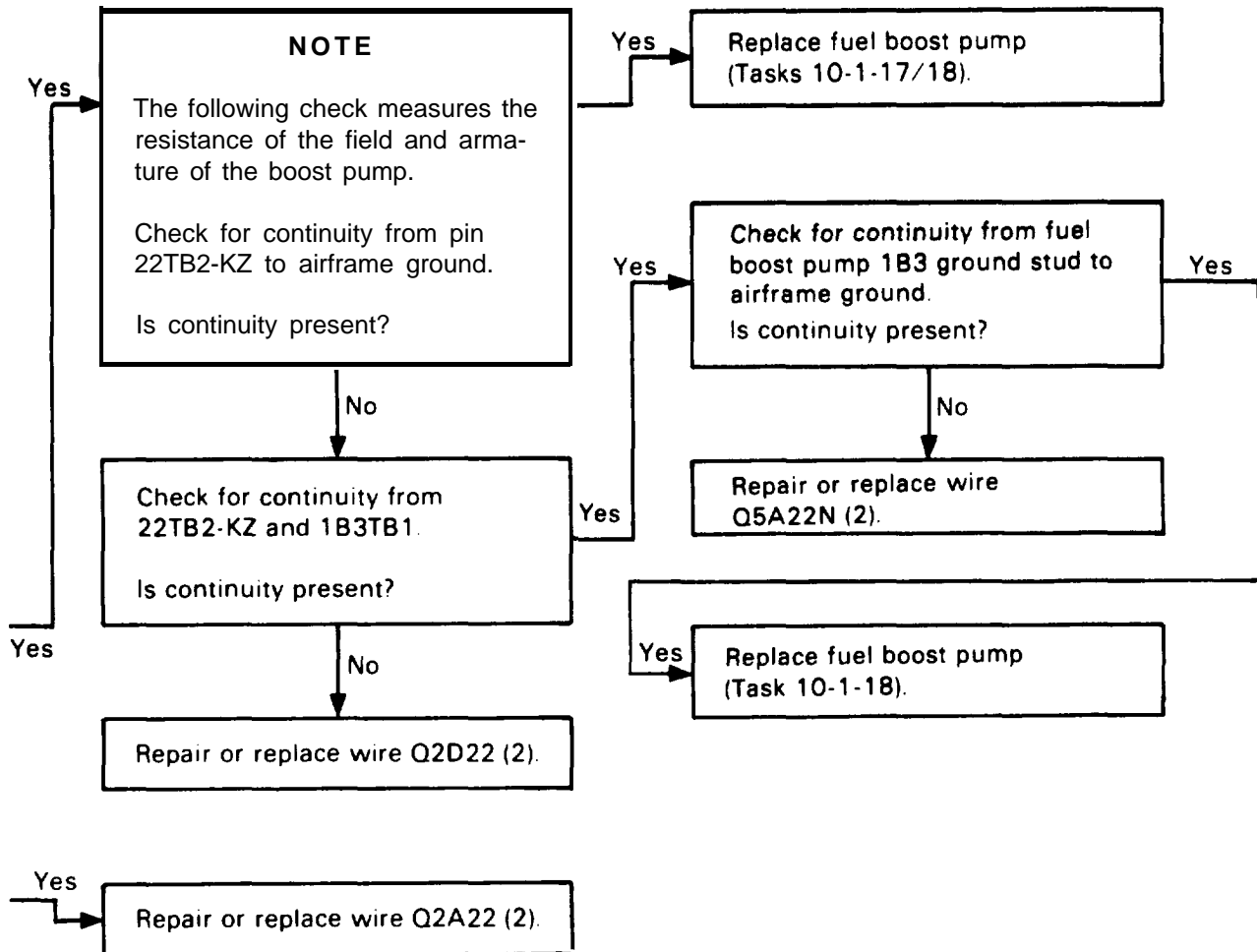


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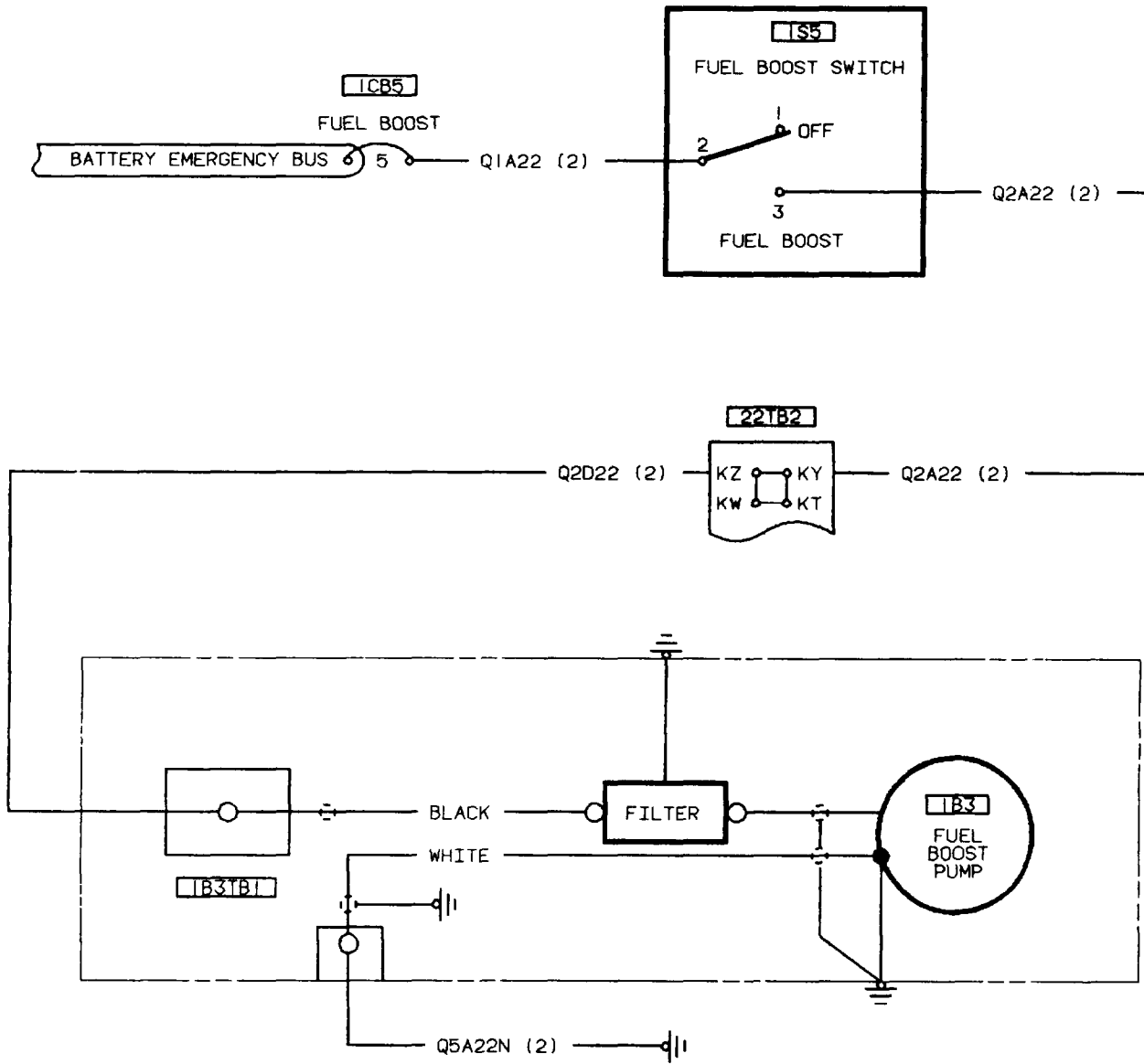
115. FUEL BOOST PUMP DOES NOT OPERATE (FUEL BOOST SWITCH SET TO FUEL BOOST)



115. FUEL BOOST PUMP DOES NOT OPERATE (FUEL BOOST SWITCH SET TO FUEL BOOST) (CONT)

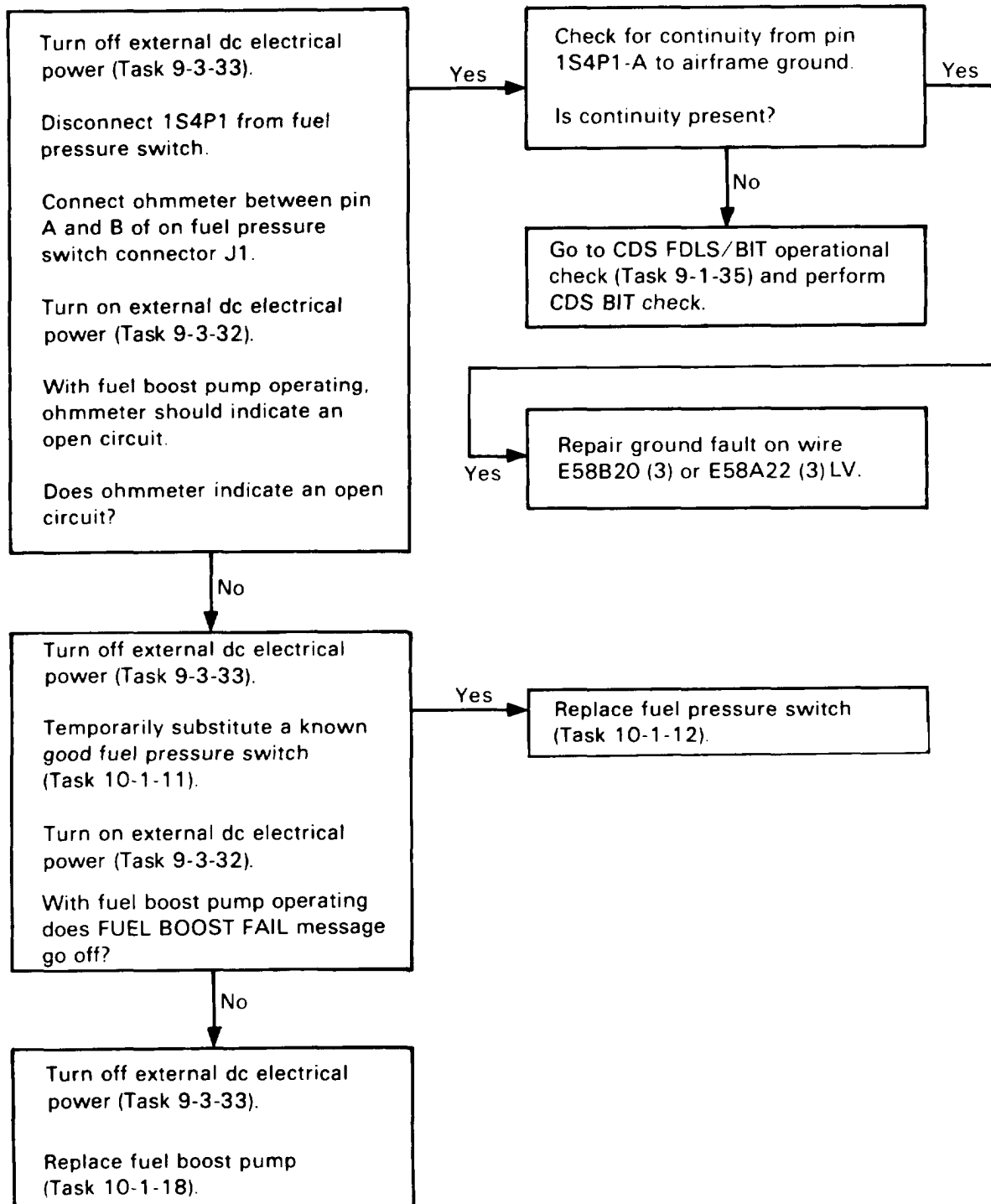


115. FUEL BOOST PUMP DOES NOT OPERATE (FUEL BOOST SWITCH SET TO FUEL BOOST) (CONT)

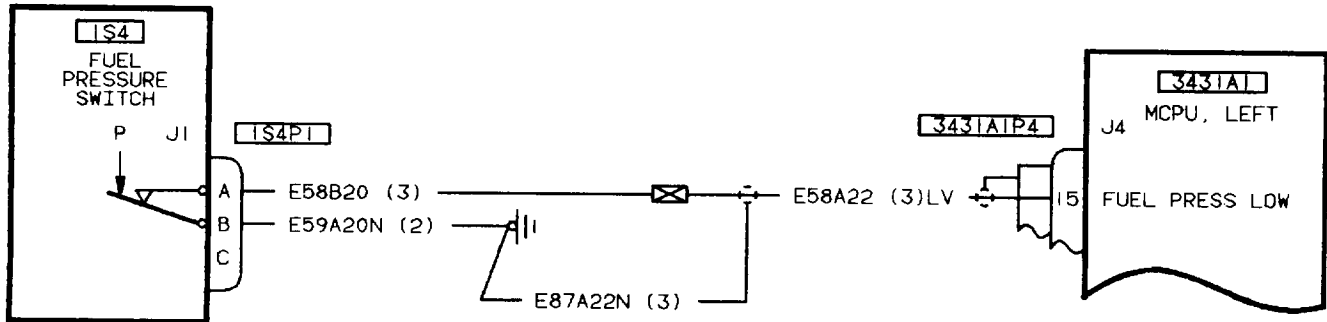


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116. CAUTION MESSAGE FUEL BOOST FAIL COMES ON (FUEL BOOST PUMP ON AND OPERATING)

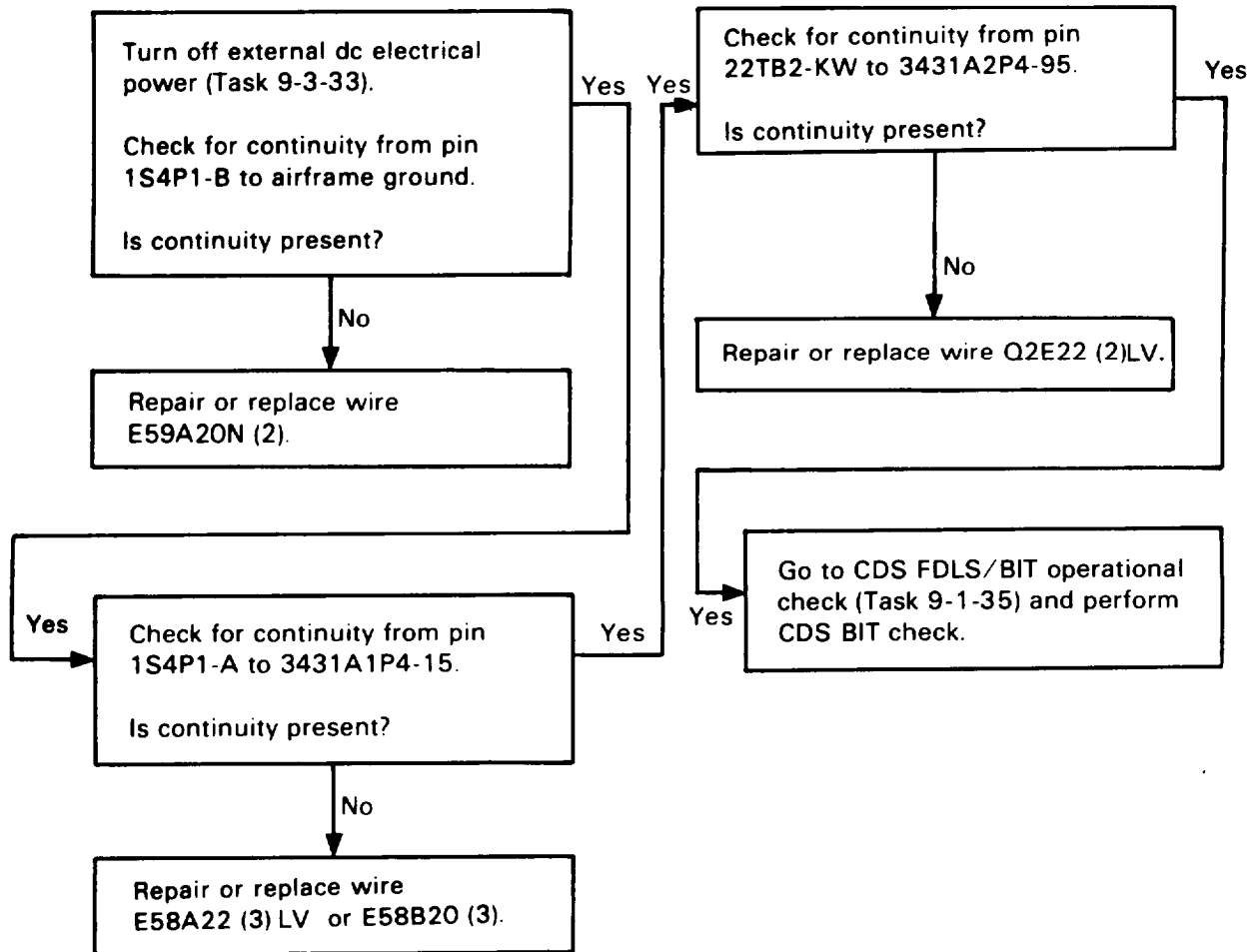


116. CAUTION MESSAGE FUEL BOOST FAIL COMES ON (FUEL BOOST PUMP ON AND OPERATING) (CONT)

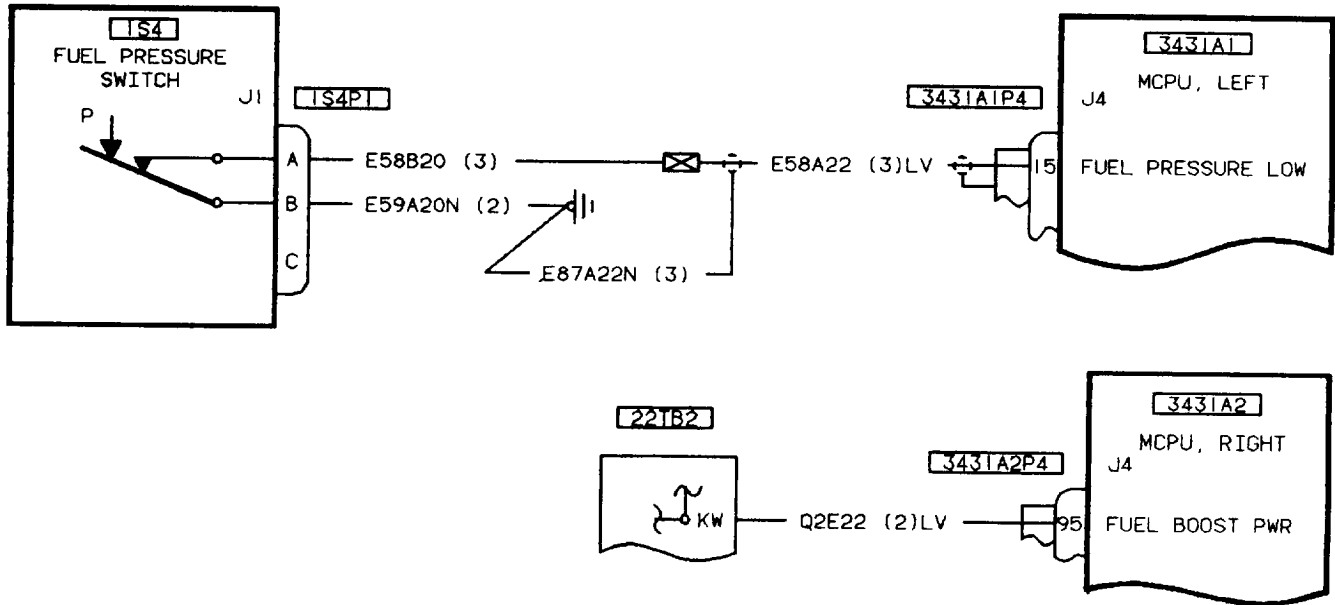


406475-356

117. CAUTION MESSAGE FUEL BOOST FAIL DOES NOT COME ON (JUMPER WIRE CONNECTED BETWEEN 1S4P1-A AND 1S4P1-B AND FUEL BOOST SWITCH ON)

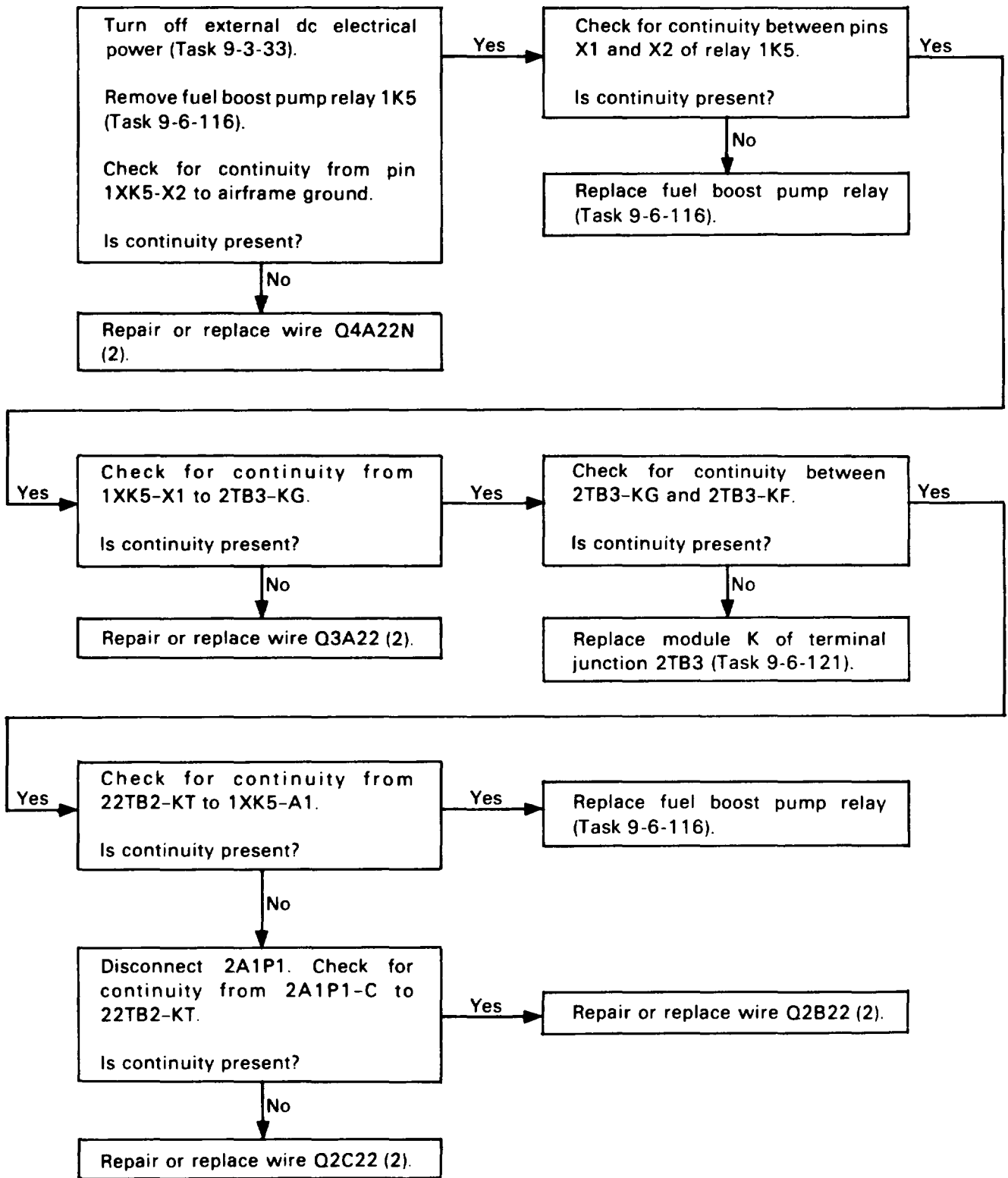


117. CAUTION MESSAGE FUEL BOOST FAIL DOES NOT COME ON (JUMPER WIRE CONNECTED BETWEEN 1S4P1-A AND 1S4P1-B AND FUEL BOOST SWITCH ON) (CONT)

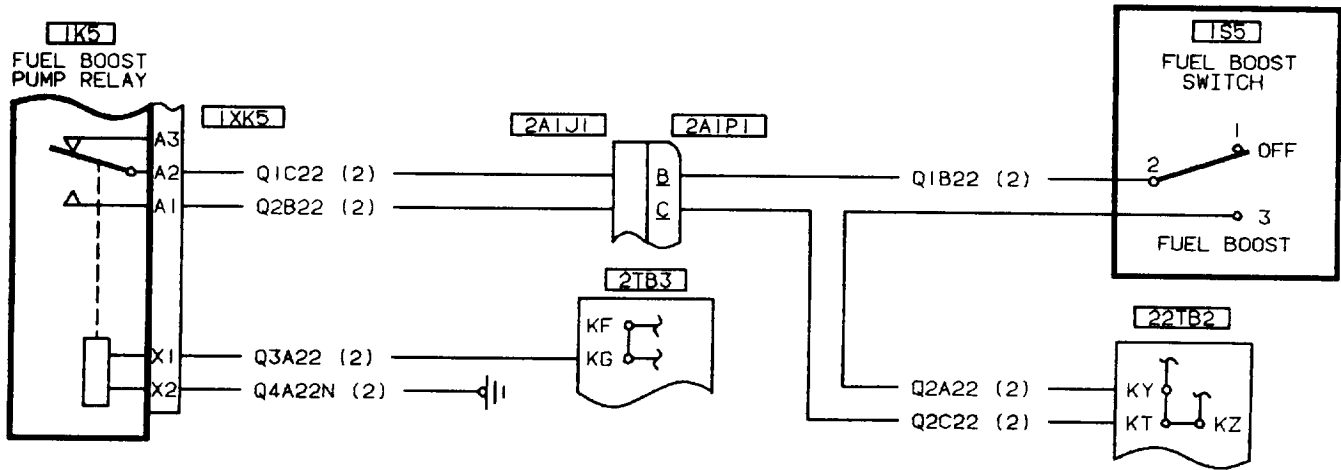


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118. FUEL BOOST PUMP DOES NOT OPERATE WHEN START SWITCH AND KEYLOCK SWITCH ARE ON (FUEL BOOST SWITCH IS IN OFF POSITION)

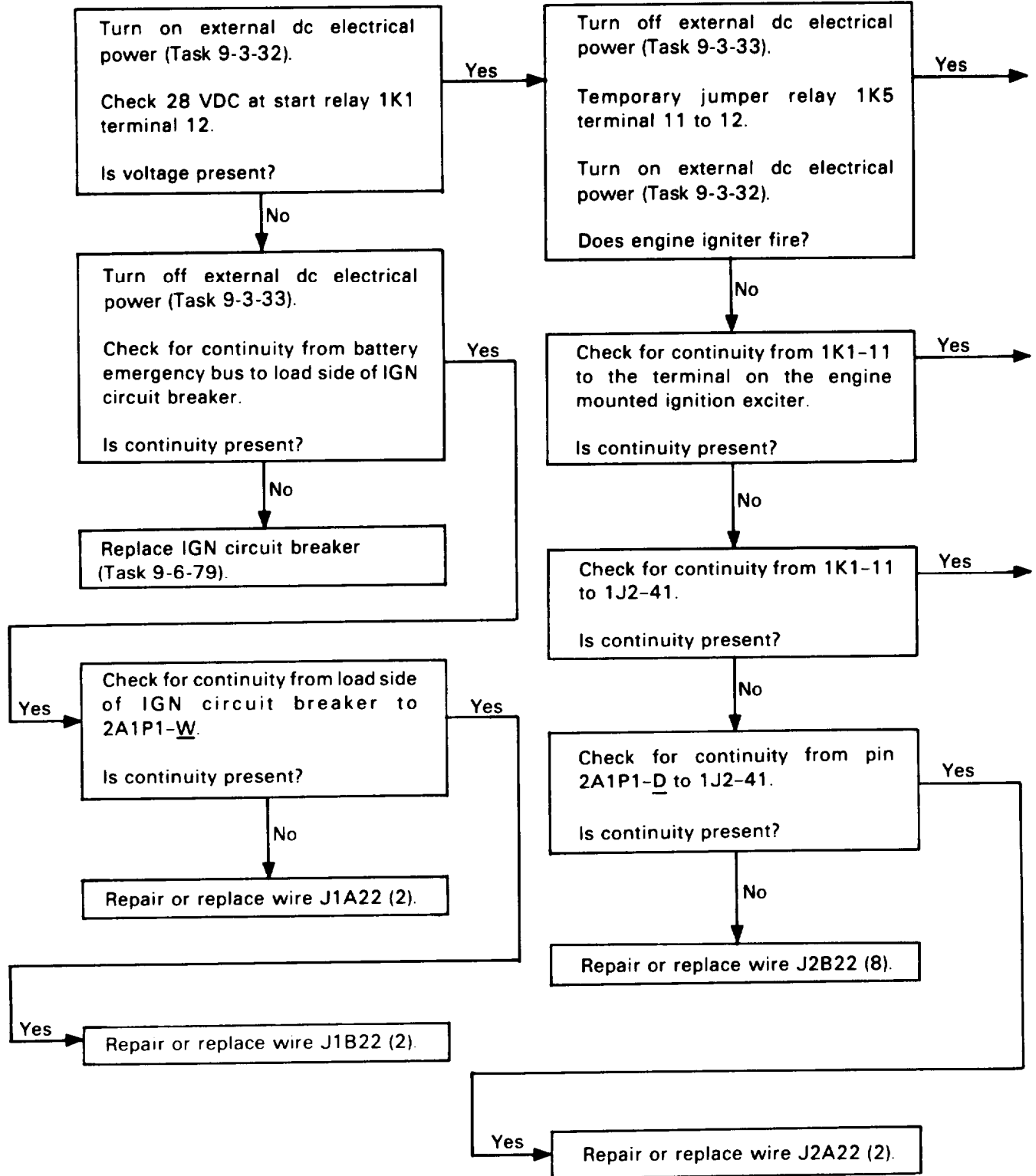


118. FUEL BOOST PUMP DOES NOT OPERATE WHEN START SWITCH AND KEYLOCK SWITCH ARE ON (FUEL BOOST SWITCH IS IN OFF POSITION) (CONT)

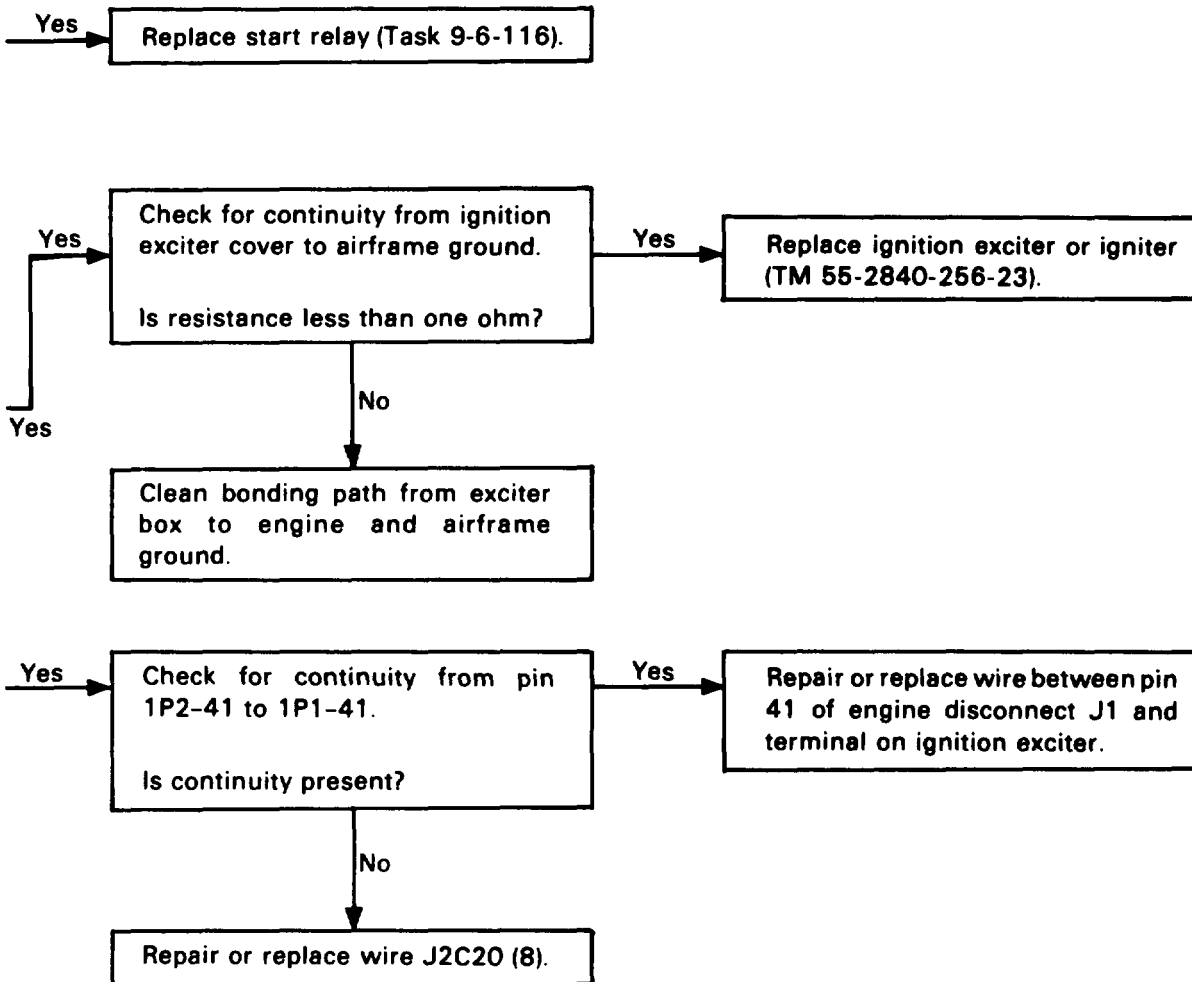


406475-408

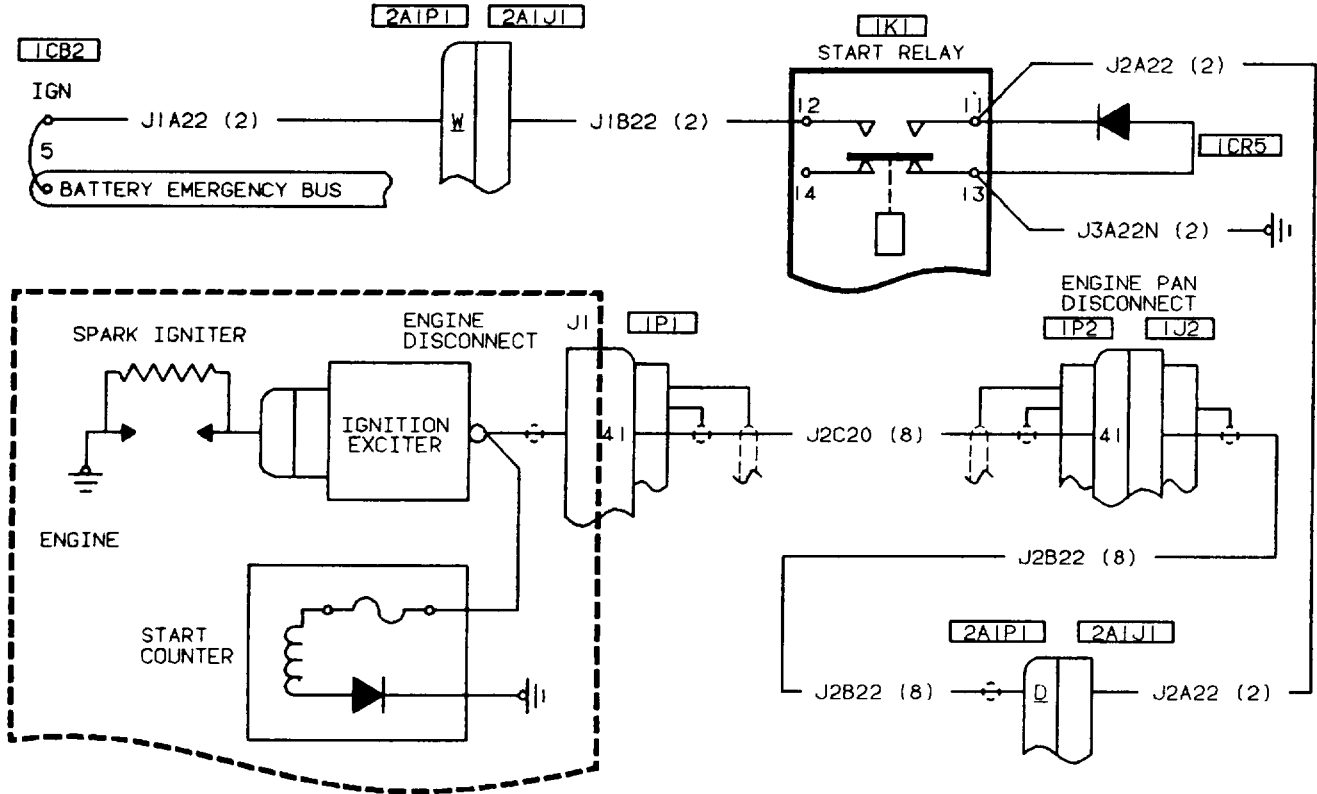
119. ENGINE IGNITER DOES NOT FIRE



119. ENGINE IGNITER DOES NOT FIRE (CONT)



119. ENGINE IGNITER DOES NOT FIRE (CONT)

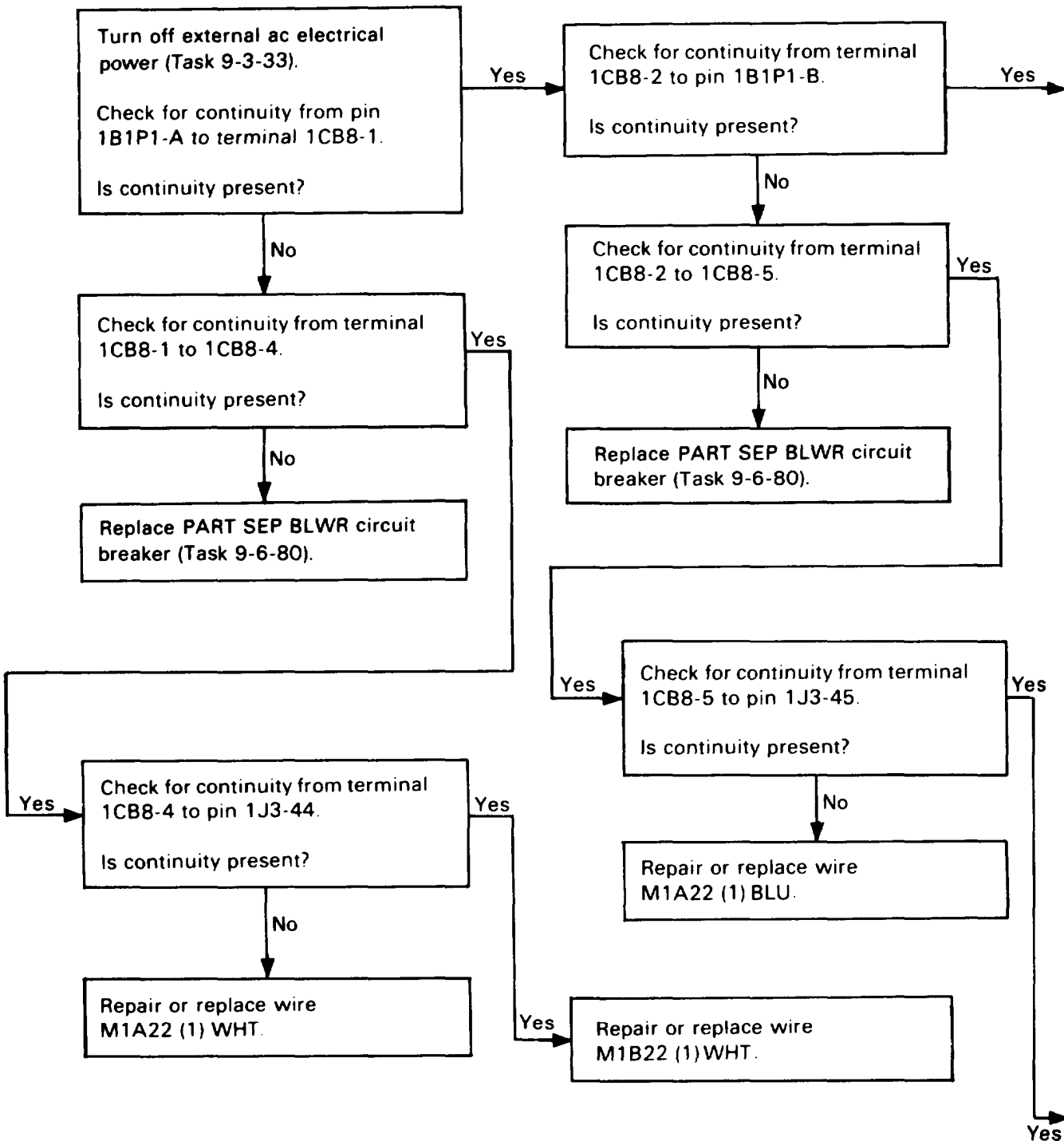


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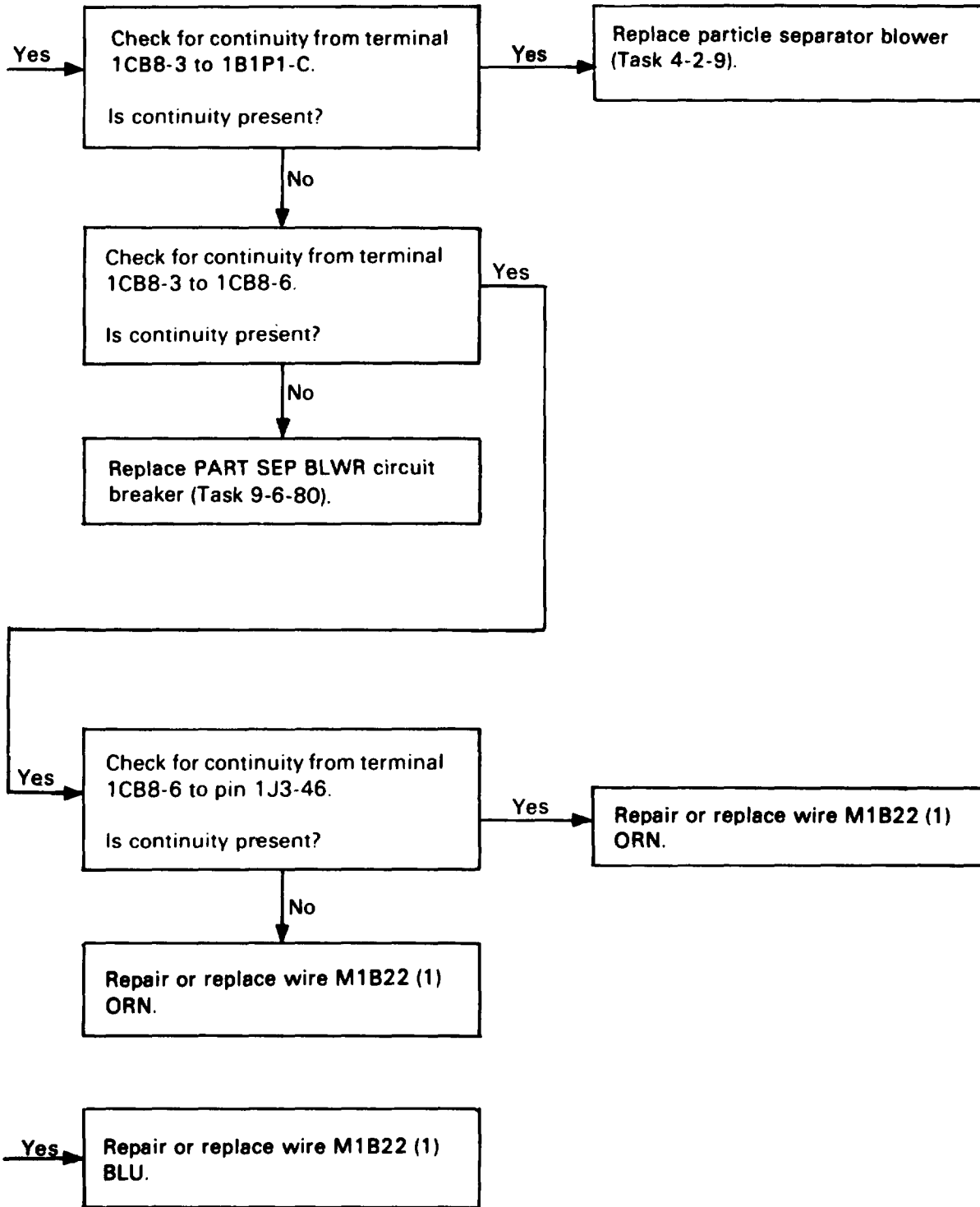
120. START COUNTER DOES NOT INCREASE COUNT (START SWITCH IS ON, IGN AND START CIRCUIT BREAKERS CLOSED)

Replace start counter (TM 55-2840-256-23).

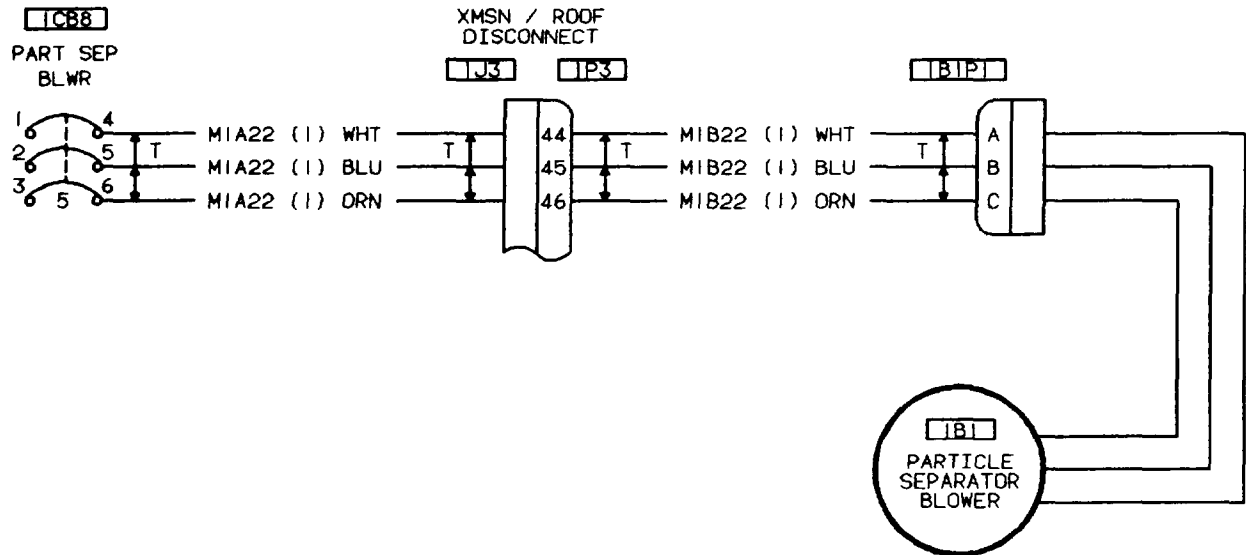
121. PARTICLE SEPARATOR BLOWER DOES NOT OPERATE (AC EXTERNAL POWER IS ON)



121. PARTICLE SEPARATOR BLOWER DOES NOT OPERATE (AC EXTERNAL POWER IS ON) (CONT)



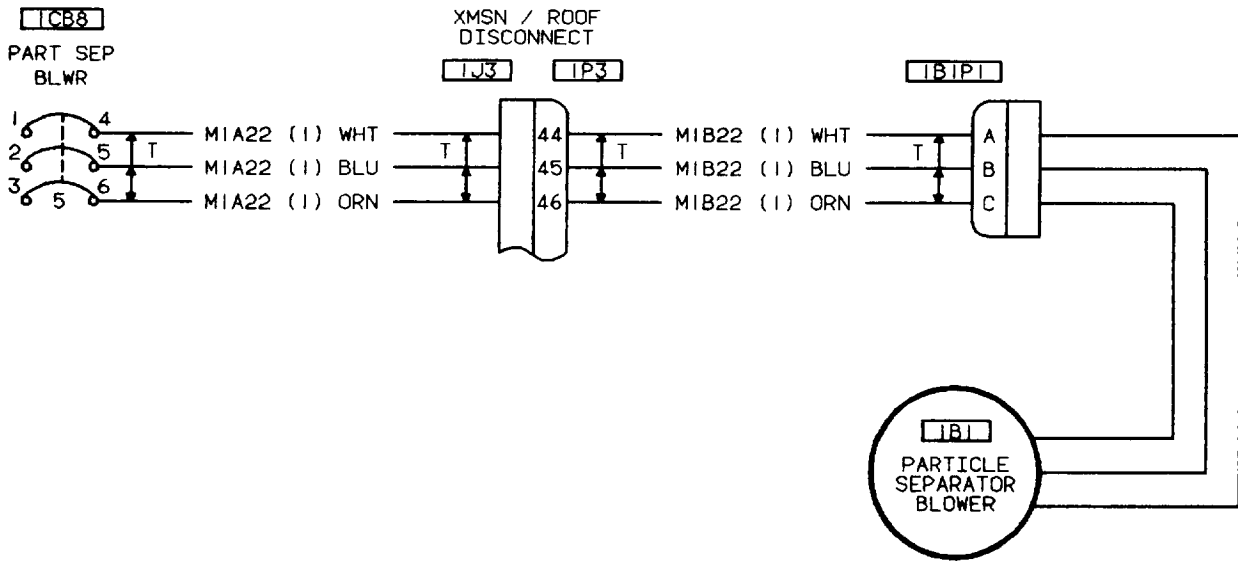
121. PARTICLE SEPARATOR BLOWER DOES NOT OPERATE (AC EXTERNAL POWER IS ON) (CONT)



406475-410

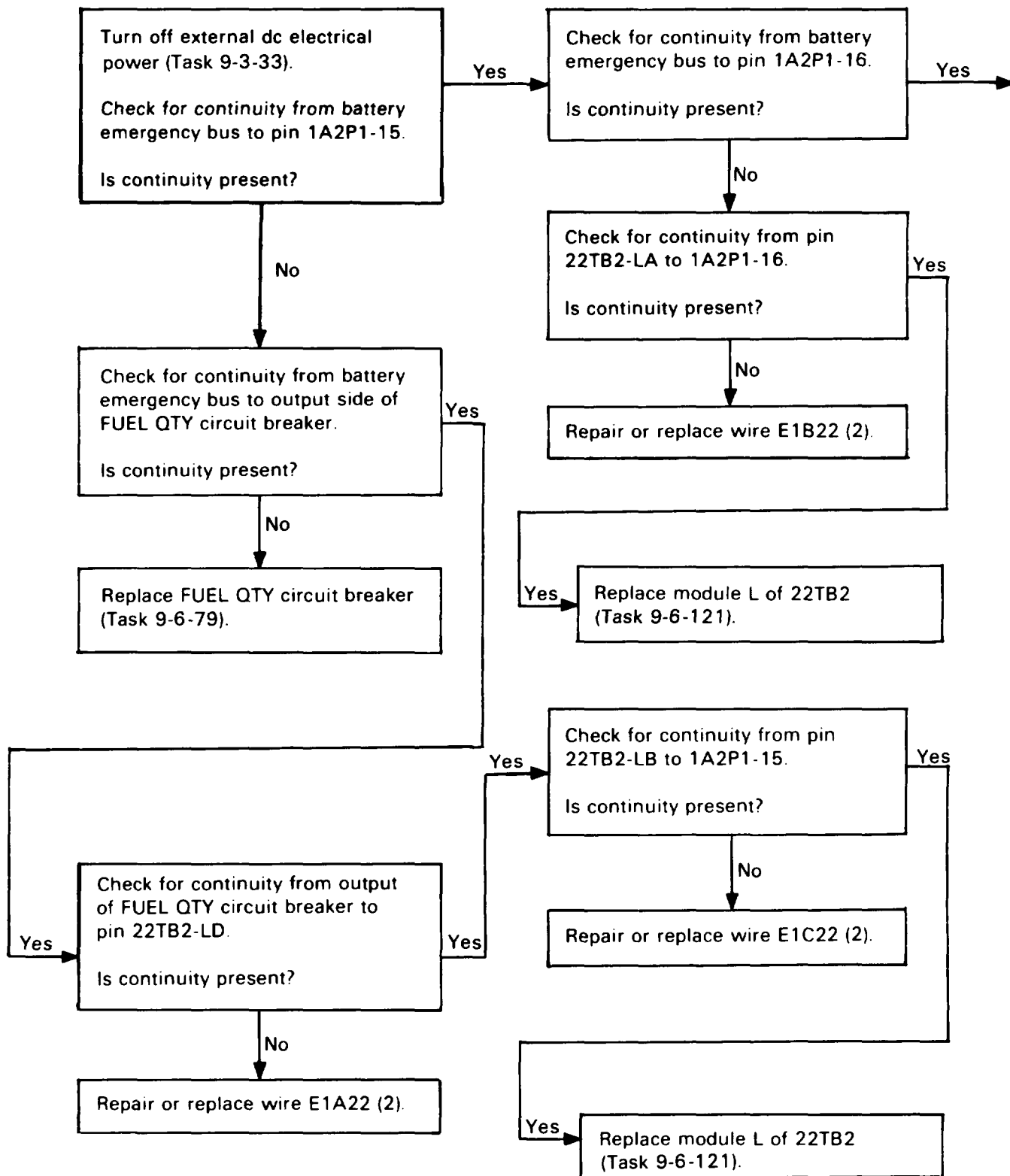
122. PARTICLE SEPARATOR BLOWER OPERATES BACKWARD

Check each wire from the PART SEP BLWR circuit breaker to the blower connector. Two wires are reversed.

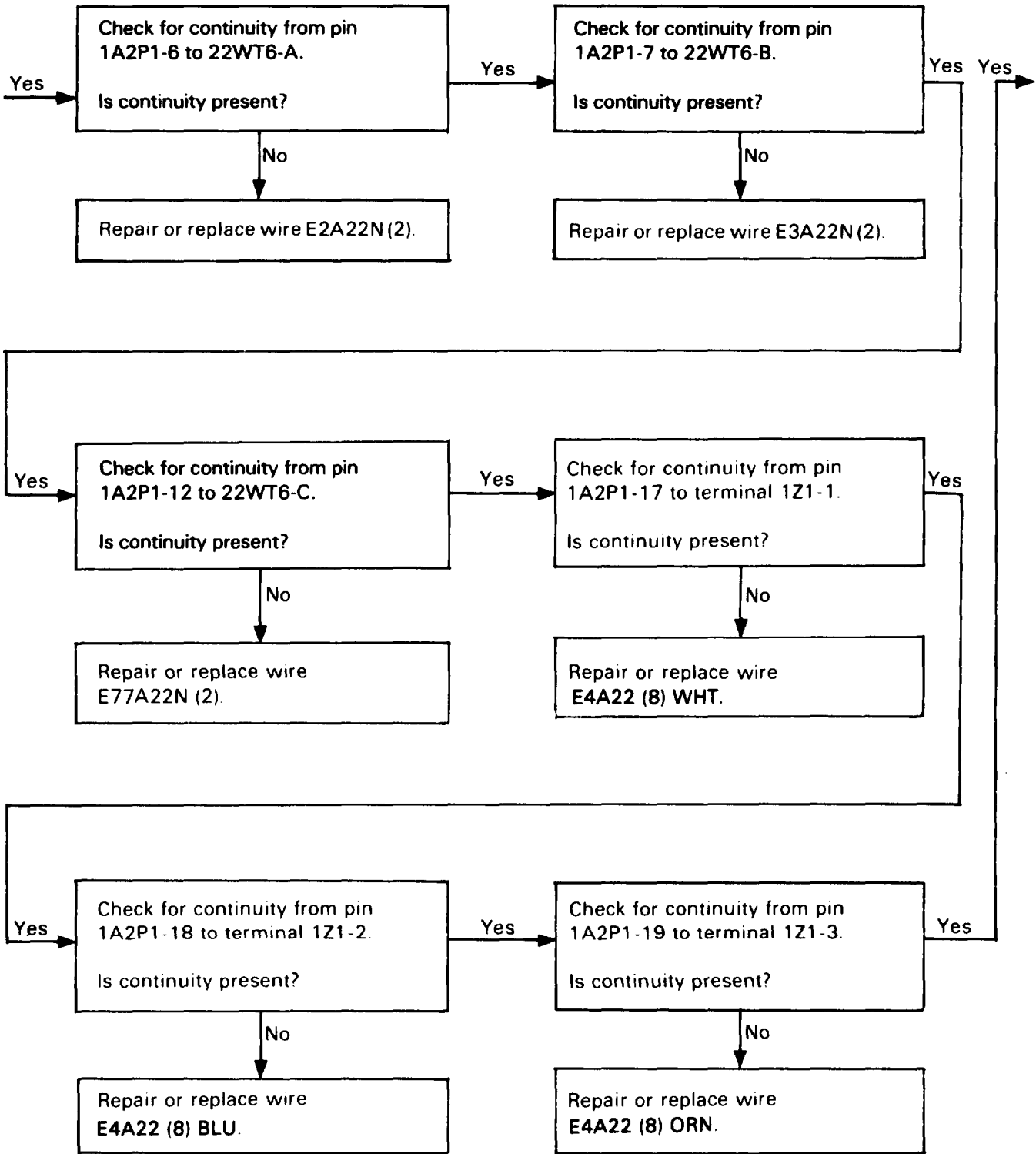


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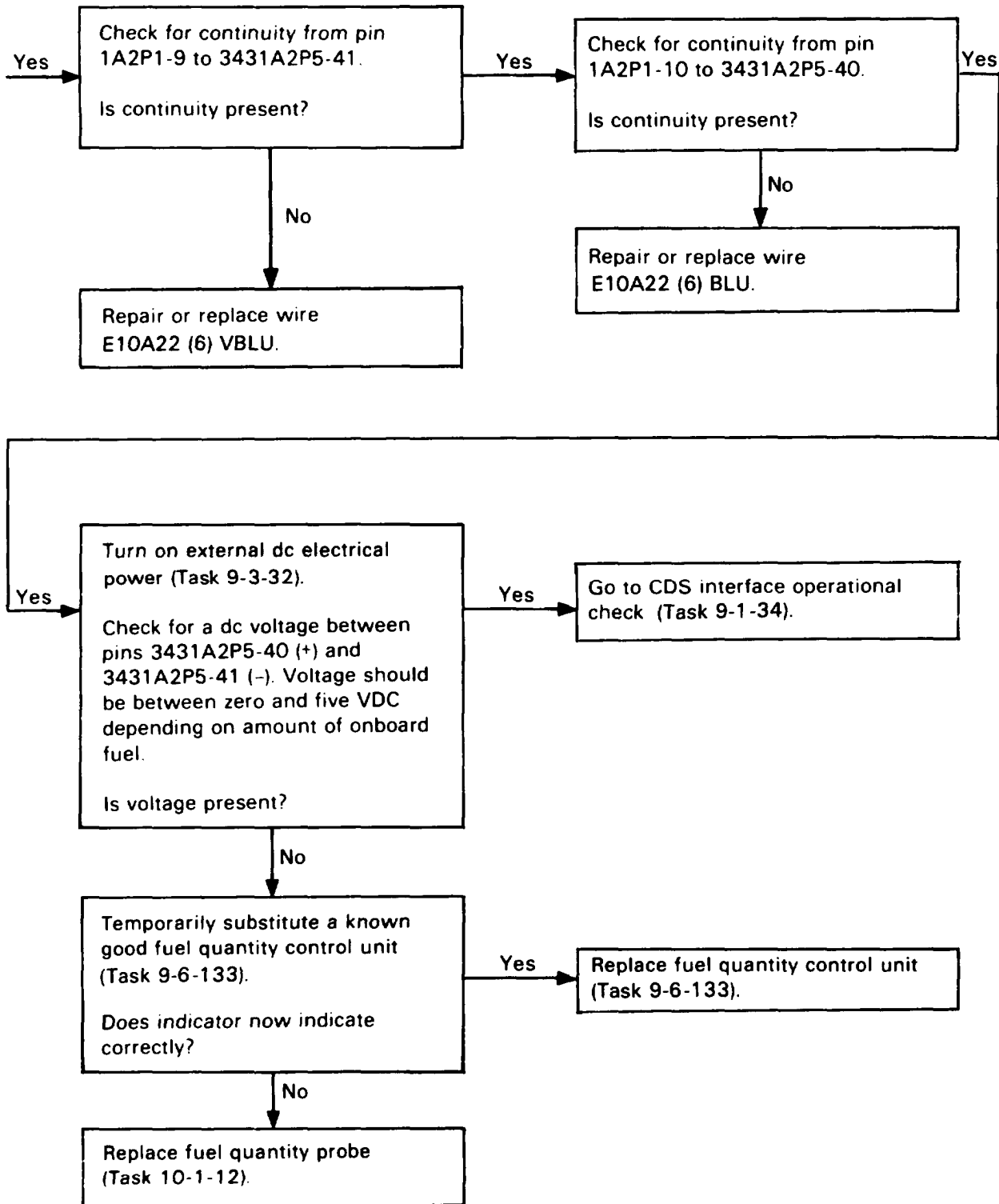
123. FUEL QUANTITY INDICATOR NOT CORRECT



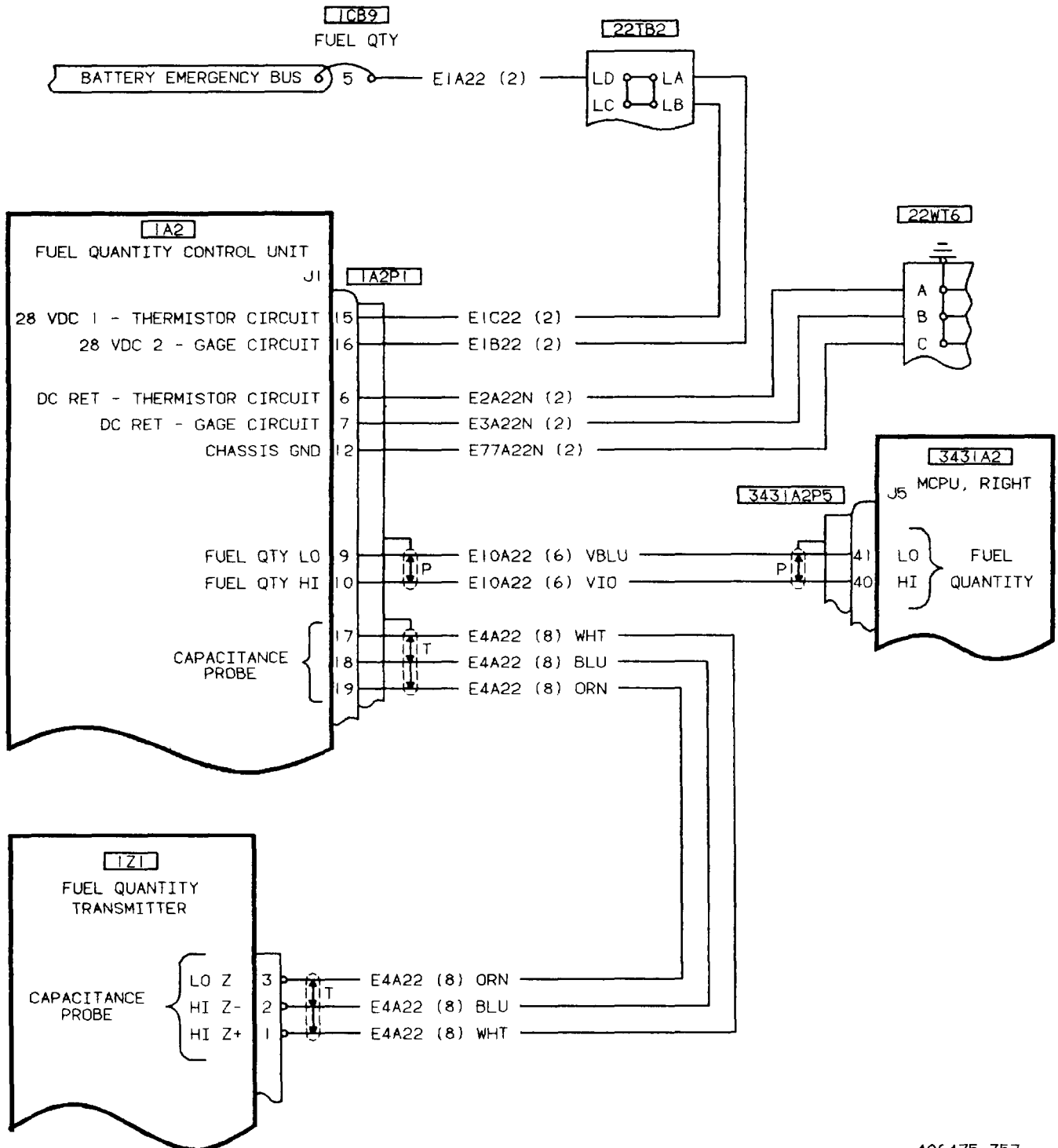
123. FUEL QUANTITY INDICATOR NOT CORRECT (CONT)



123. FUEL QUANTITY INDICATOR NOT CORRECT (CONT)



123. FUEL QUANTITY INDICATOR NOT CORRECT (CONT)

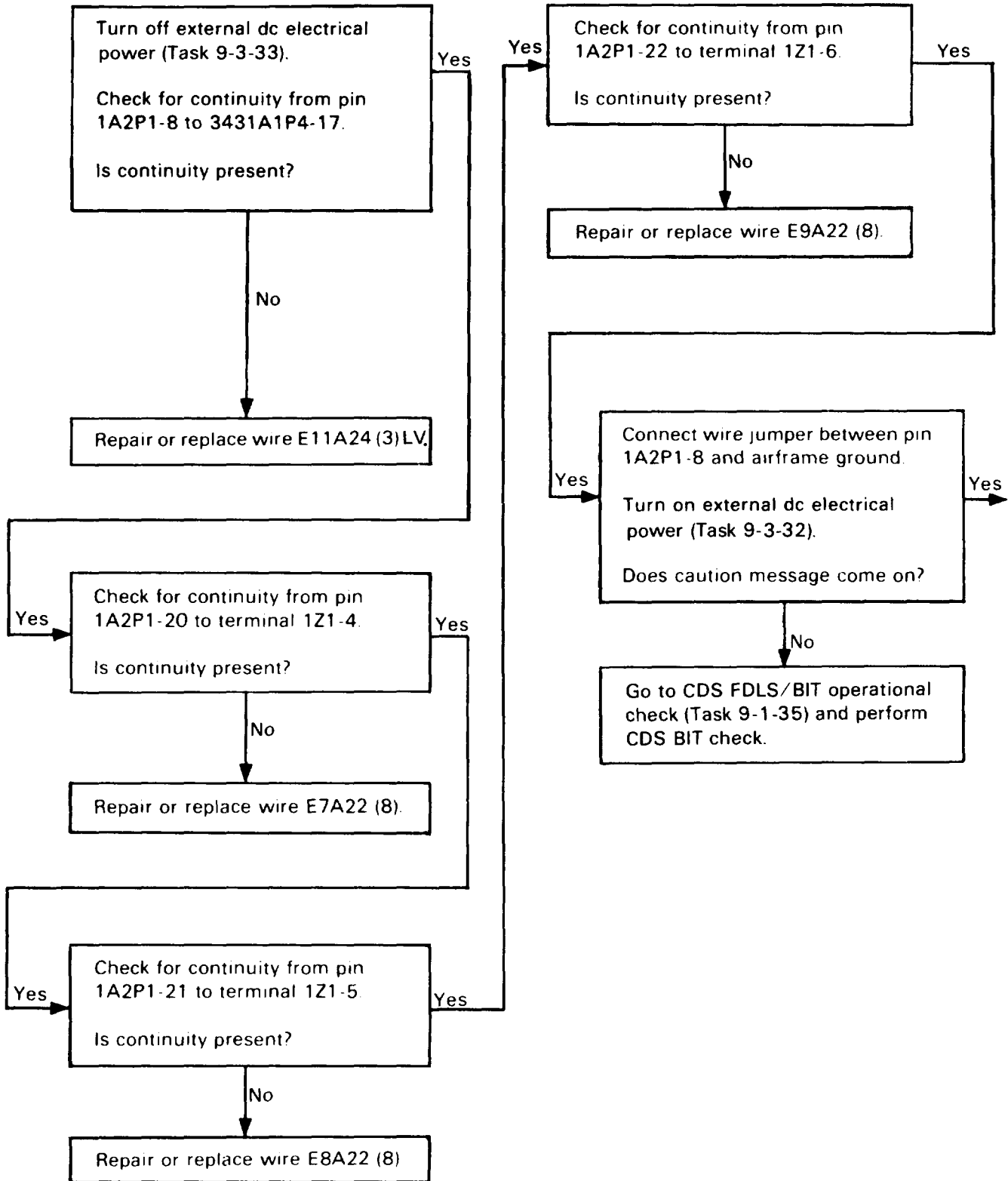


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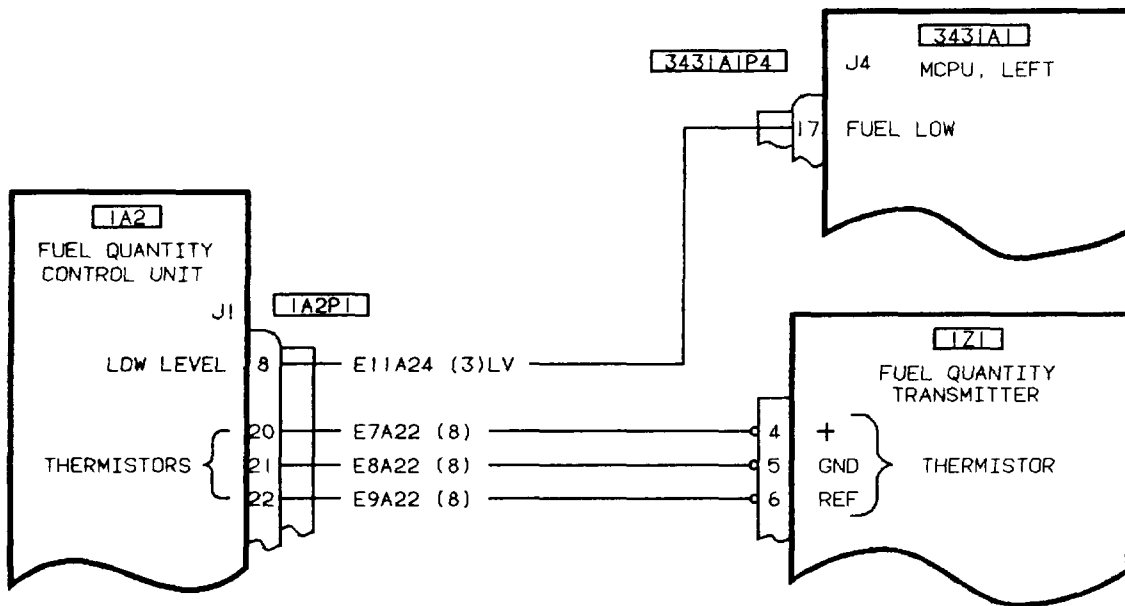
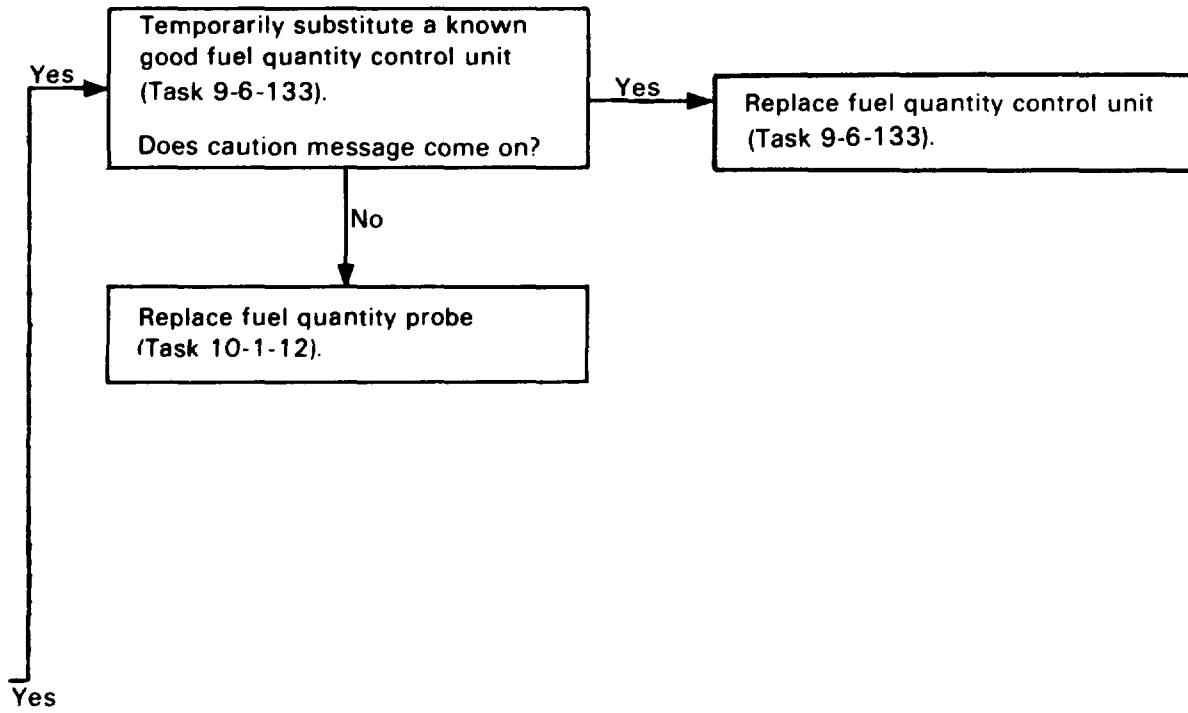
124. FUEL QUANTITY READOUT ON MFD DISAGREES WITH FUEL QUANTITY READOUT ON VERTICAL SCALE INSTRUMENT

Replace MPD (Tasks 8-1-5/9).

125. CAUTION MESSAGE FUEL LOW DOES NOT COME ON AT 100 POUNDS REMAINING FUEL

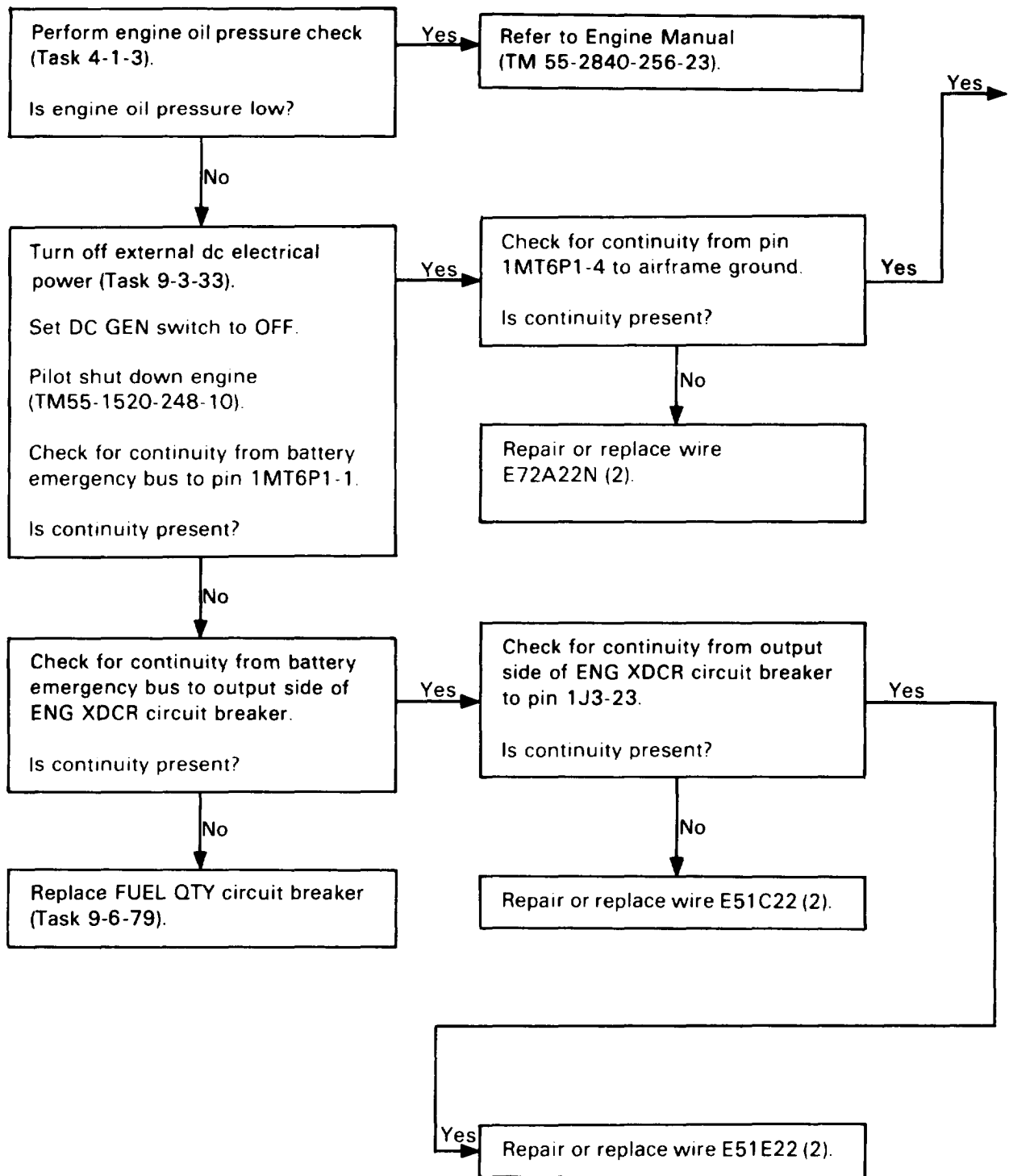


125. CAUTION MESSAGE FUEL LOW DOES NOT COME ON AT 100 POUNDS REMAINING FUEL (CONT)

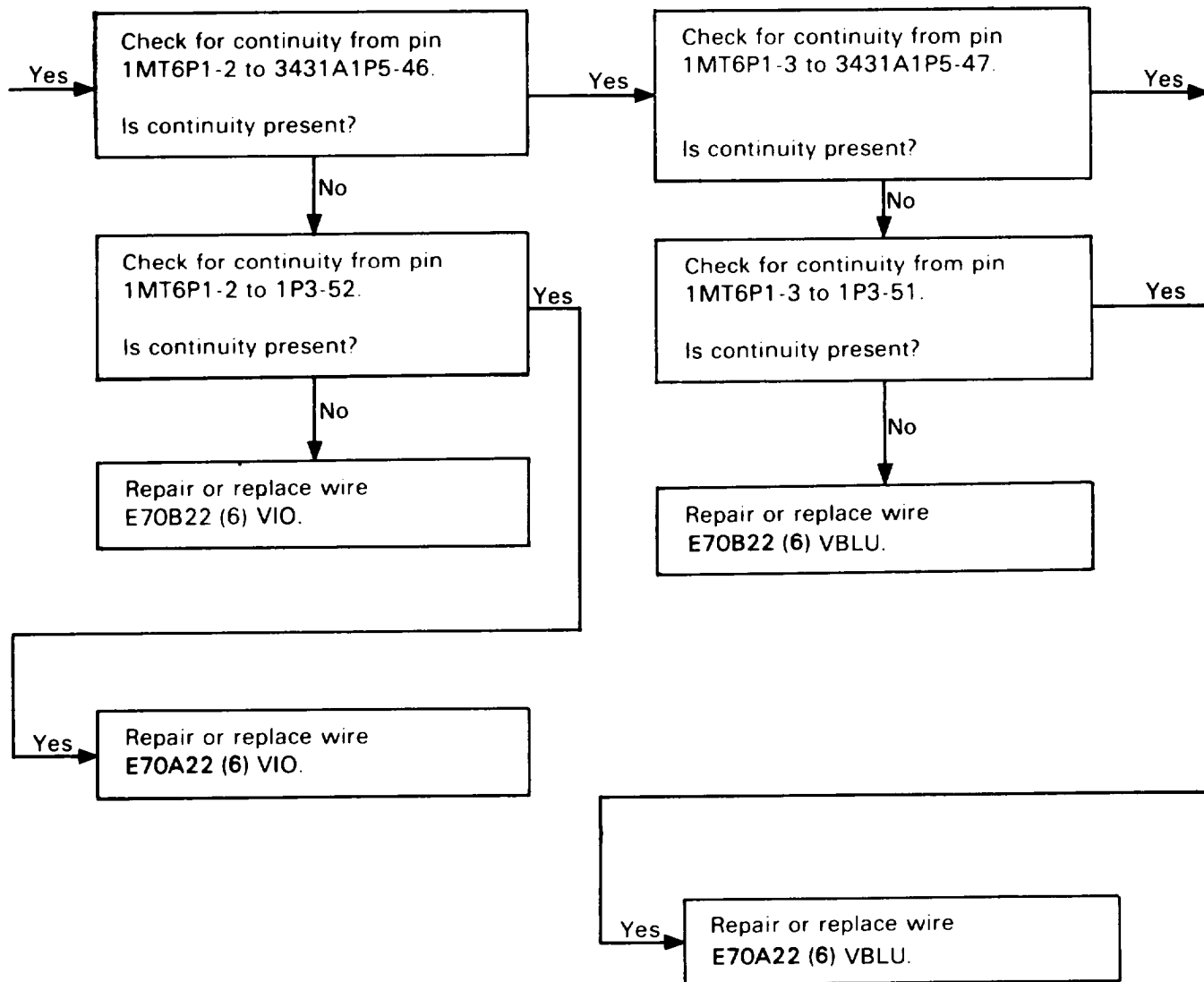


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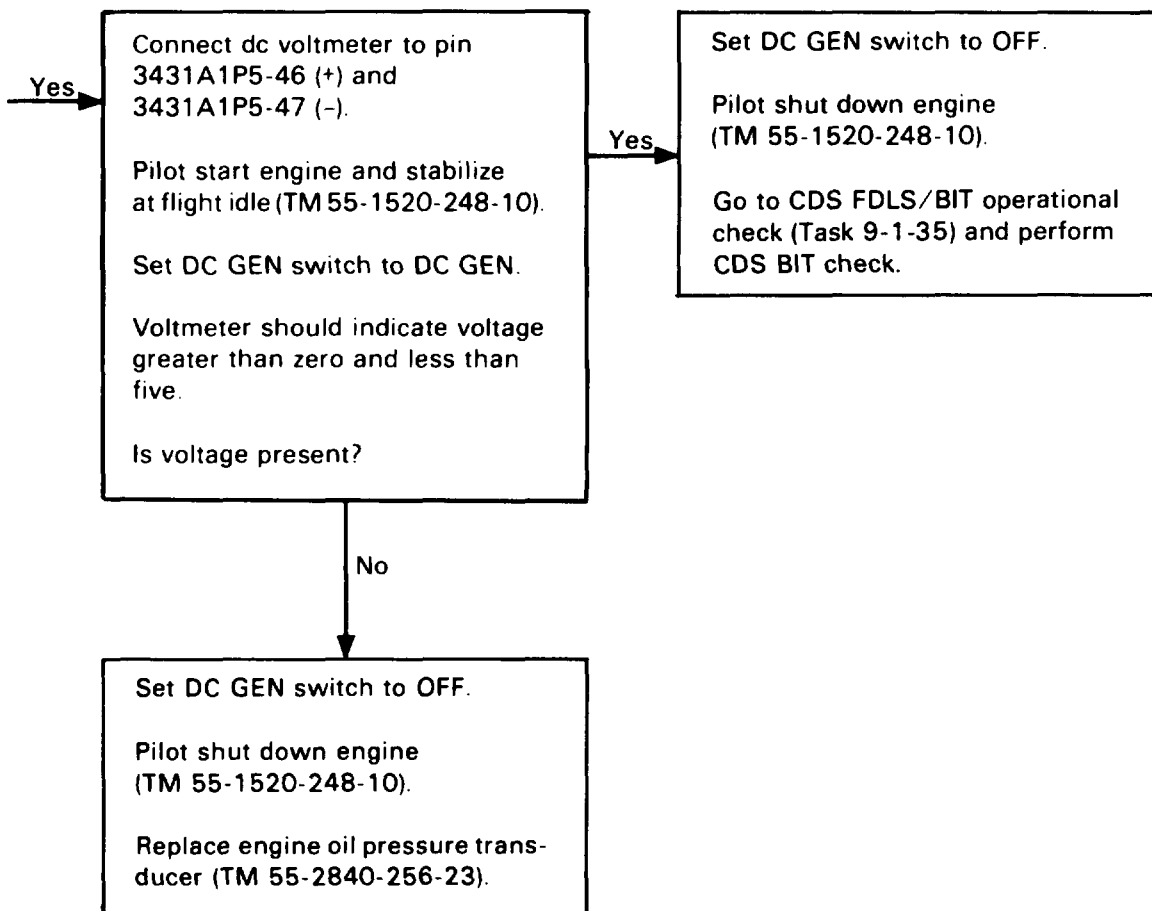
126. CAUTION MESSAGE LOW OIL PRESS ENG REMAINS ON (HELICOPTER STABILIZED AT FLIGHT IDLE AND DC GENERATOR ON)



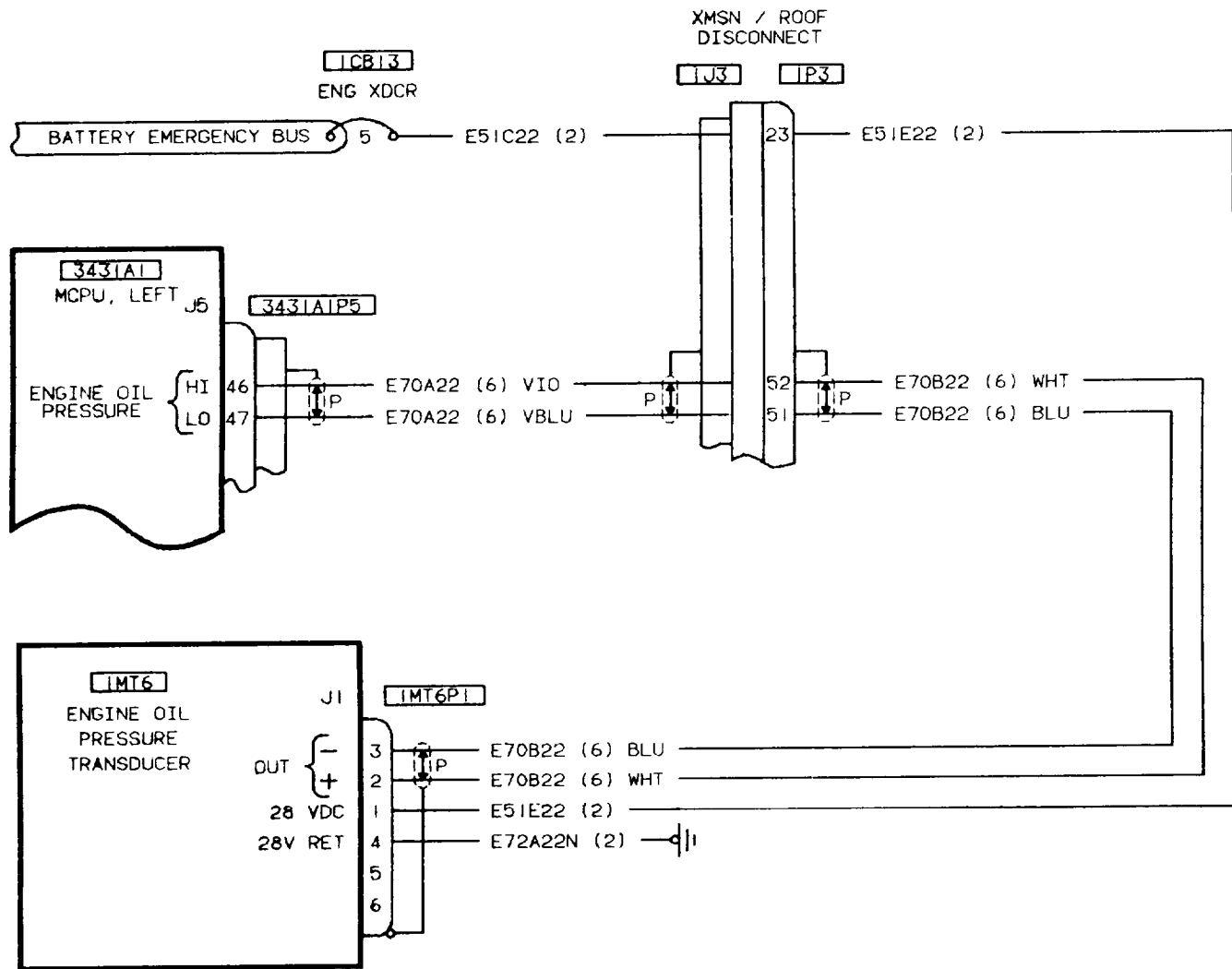
126. CAUTION MESSAGE LOW OIL PRESS ENG REMAINS ON (HELICOPTER STABILIZED AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)



126. CAUTION MESSAGE LOW OIL PRESS ENG REMAINS ON {HELICOPTER STABILIZED AT FLIGHT IDLE AND DC GENERATOR ON} (CONT)

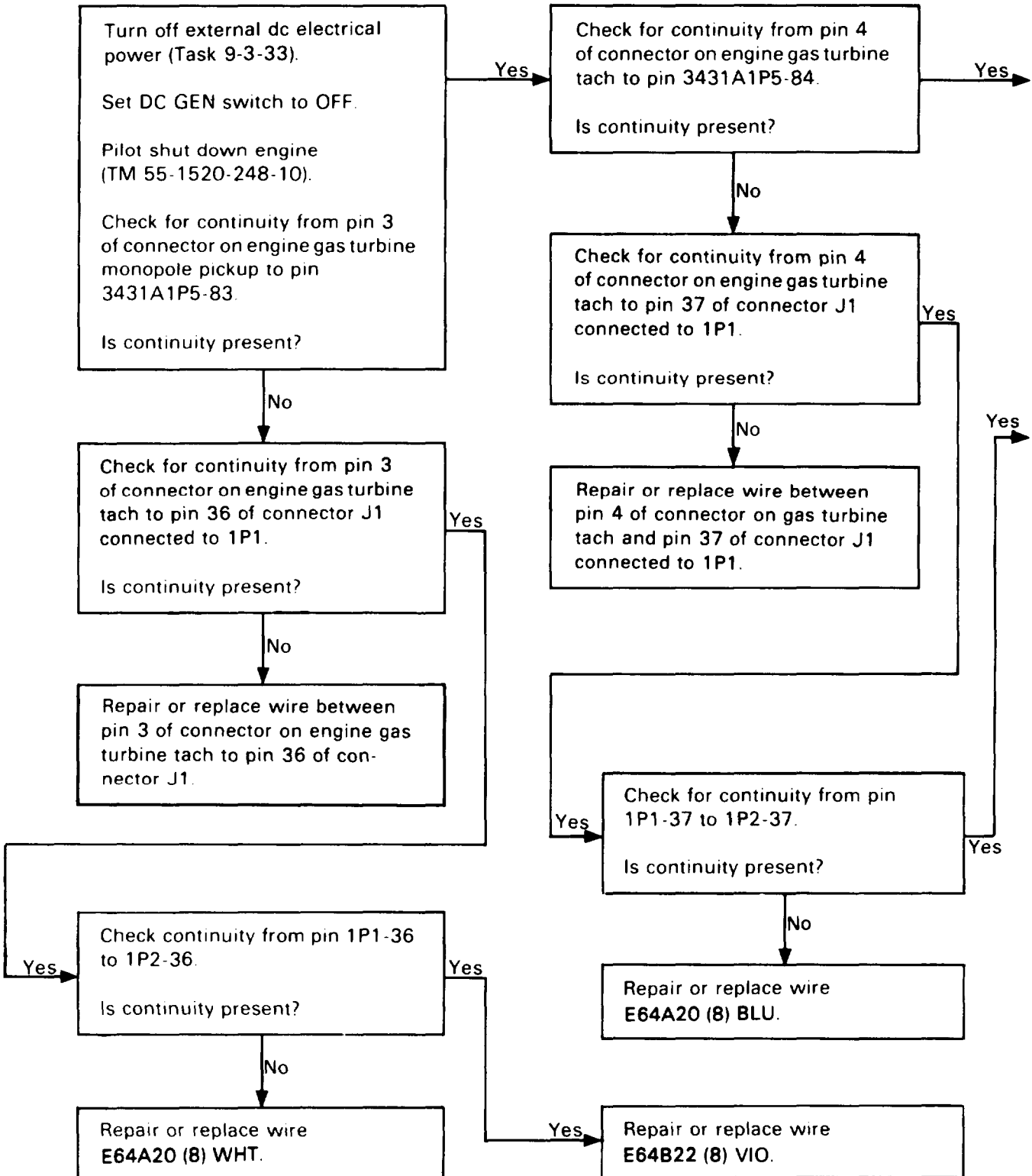


126. CAUTION MESSAGE LOW OIL PRESS ENG REMAINS ON (HELICOPTER STABILIZED AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

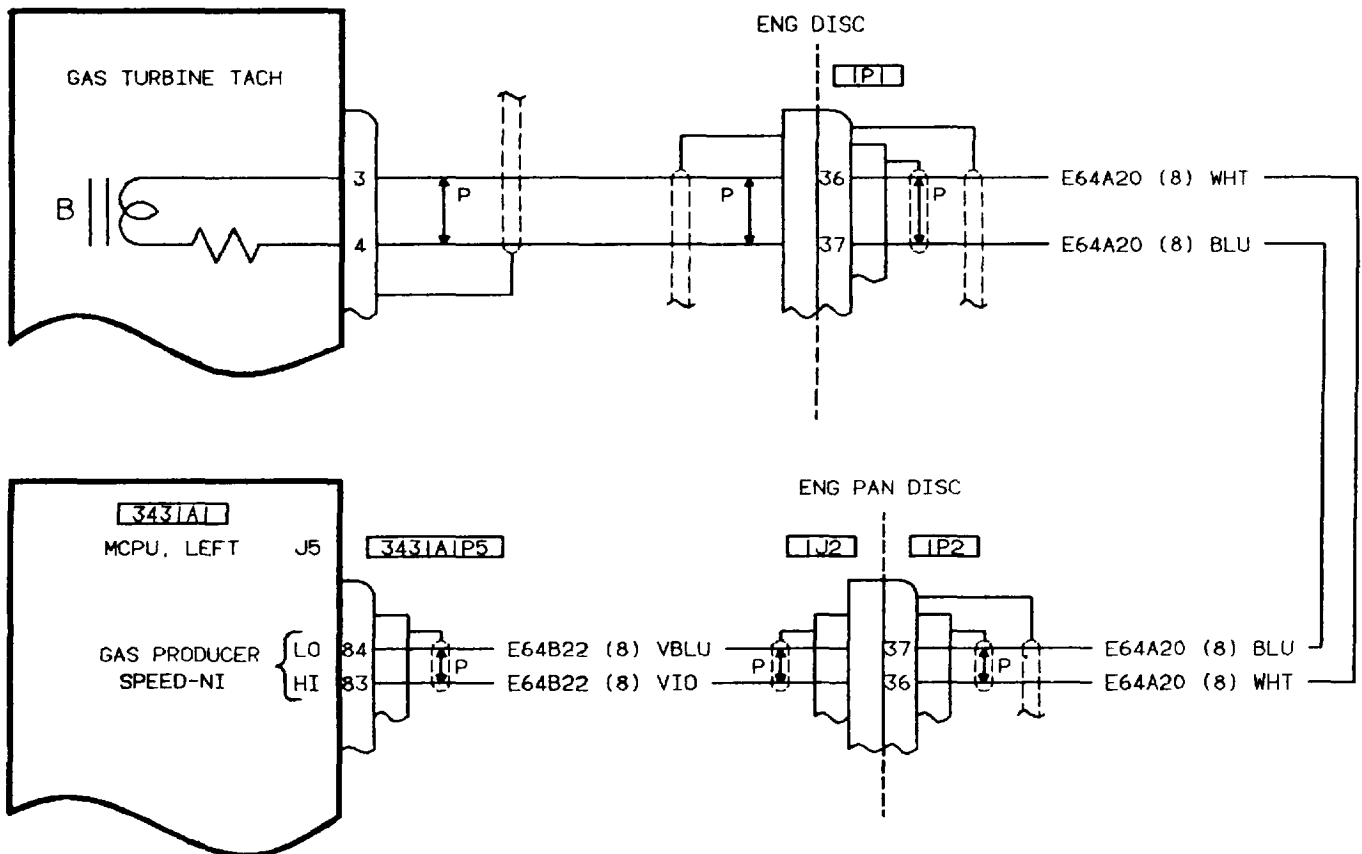
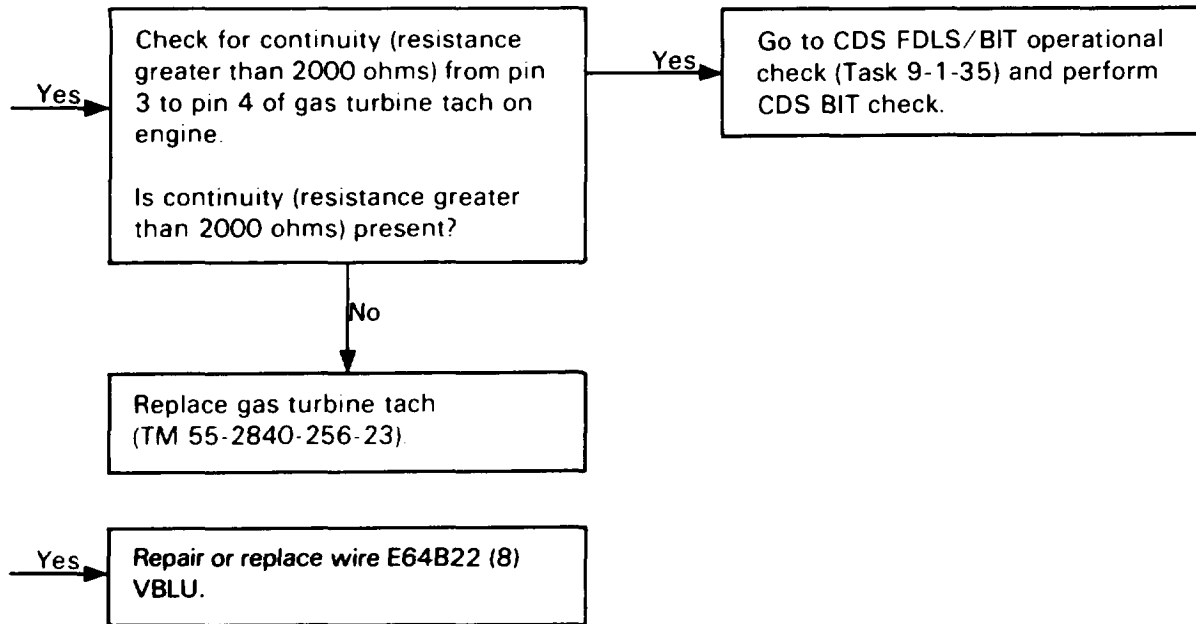


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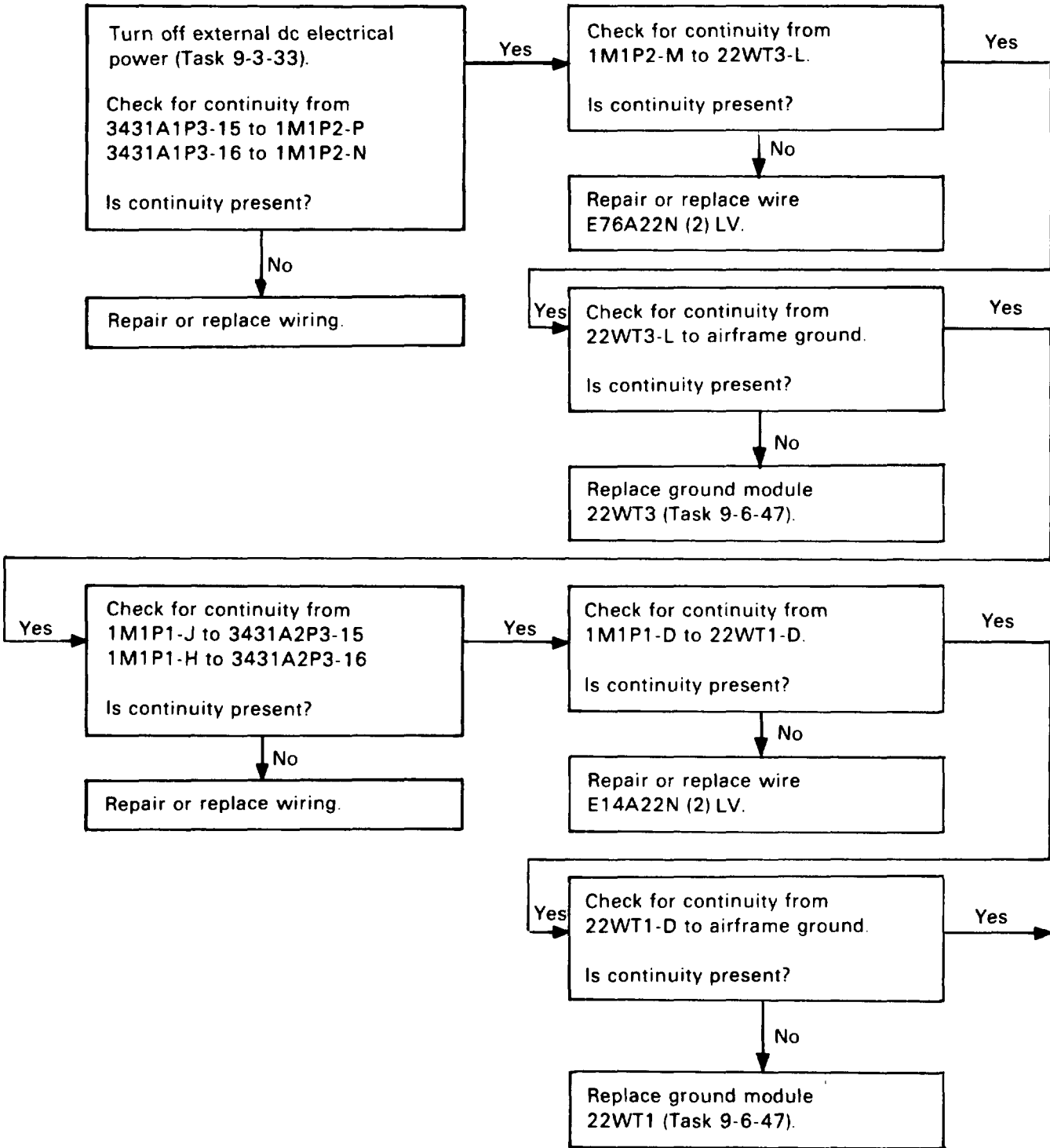
127. WARNING MESSAGE ENGINE OUT REMAINS ON (HELICOPTER STABILIZED AT FLIGHT IDLE AND DC GENERATOR ON)



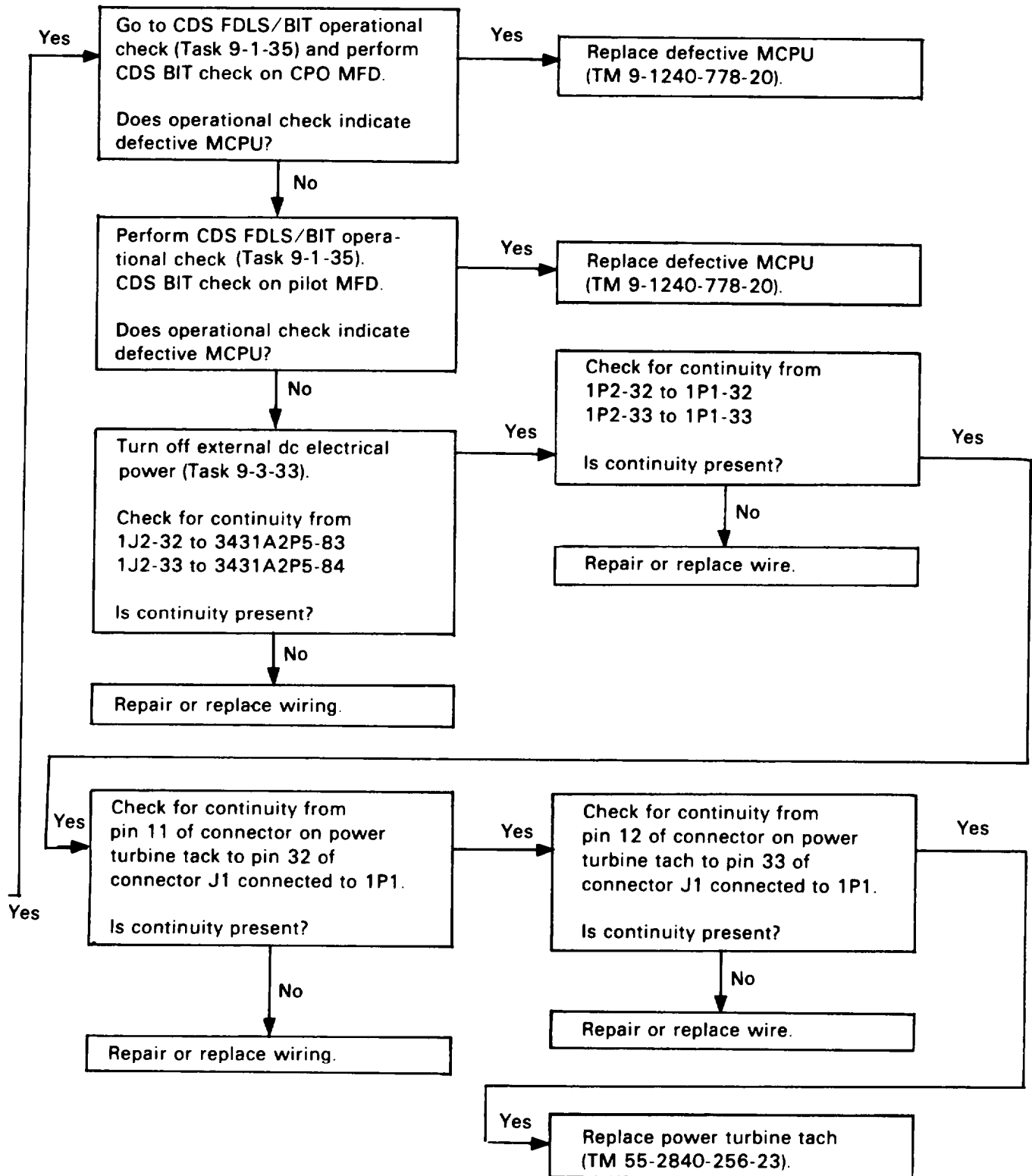
127. WARNING MESSAGE ENGINE OUT REMAINS ON (HELICOPTER STABILIZED AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)



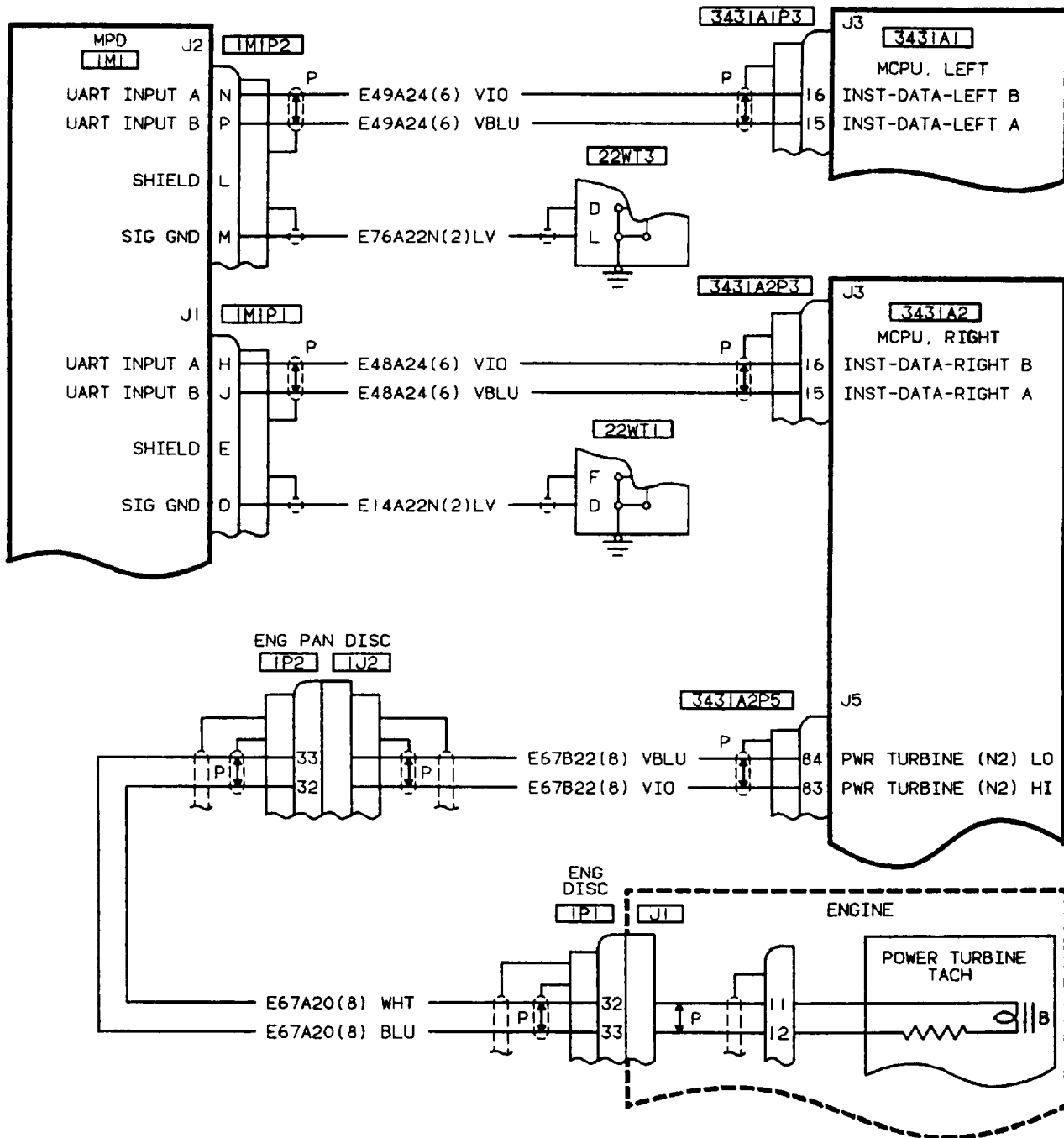
128. ENGINE NP RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 62% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



128. ENGINE NP RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 62% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

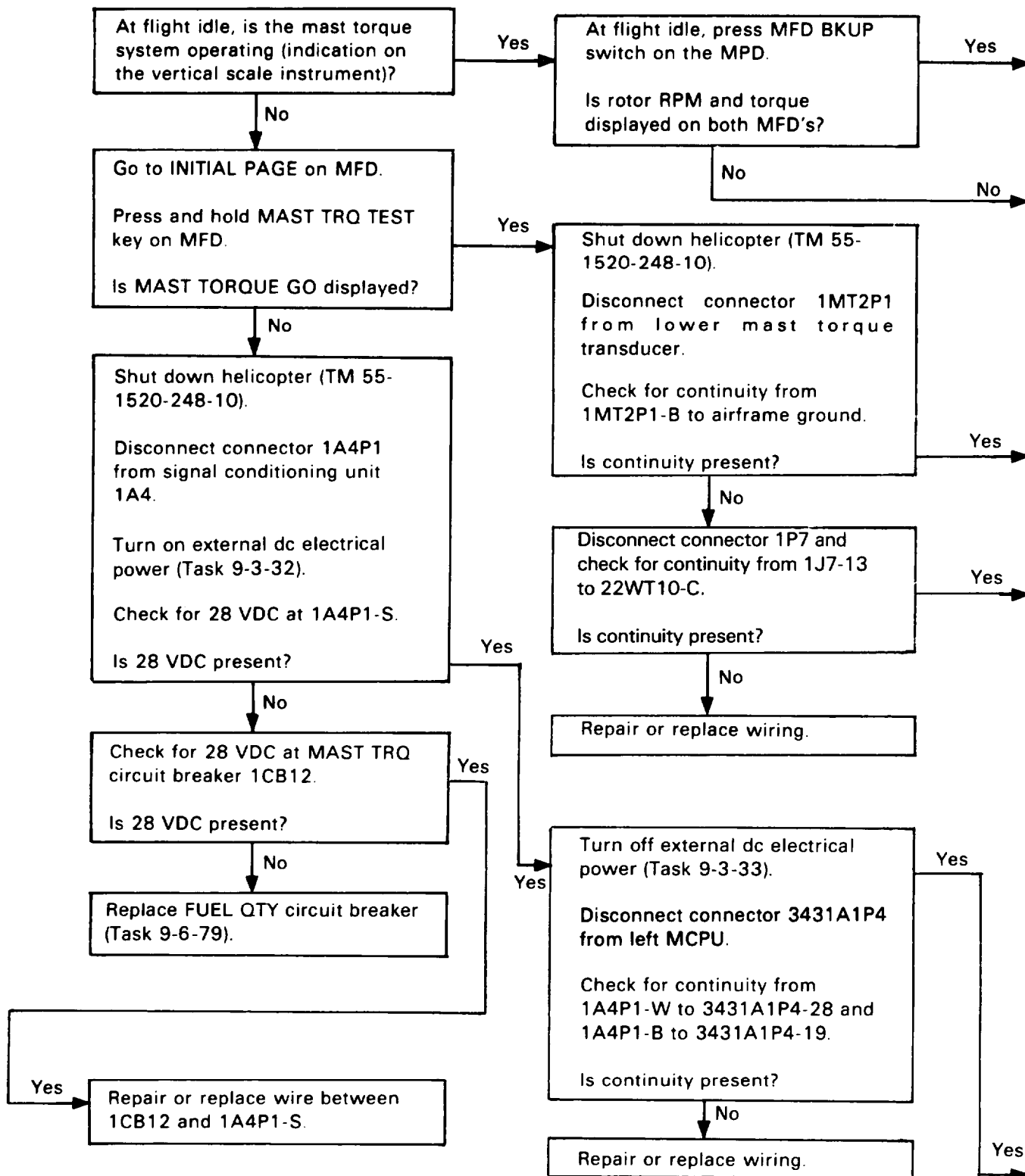


128. ENGINE NP RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 62% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

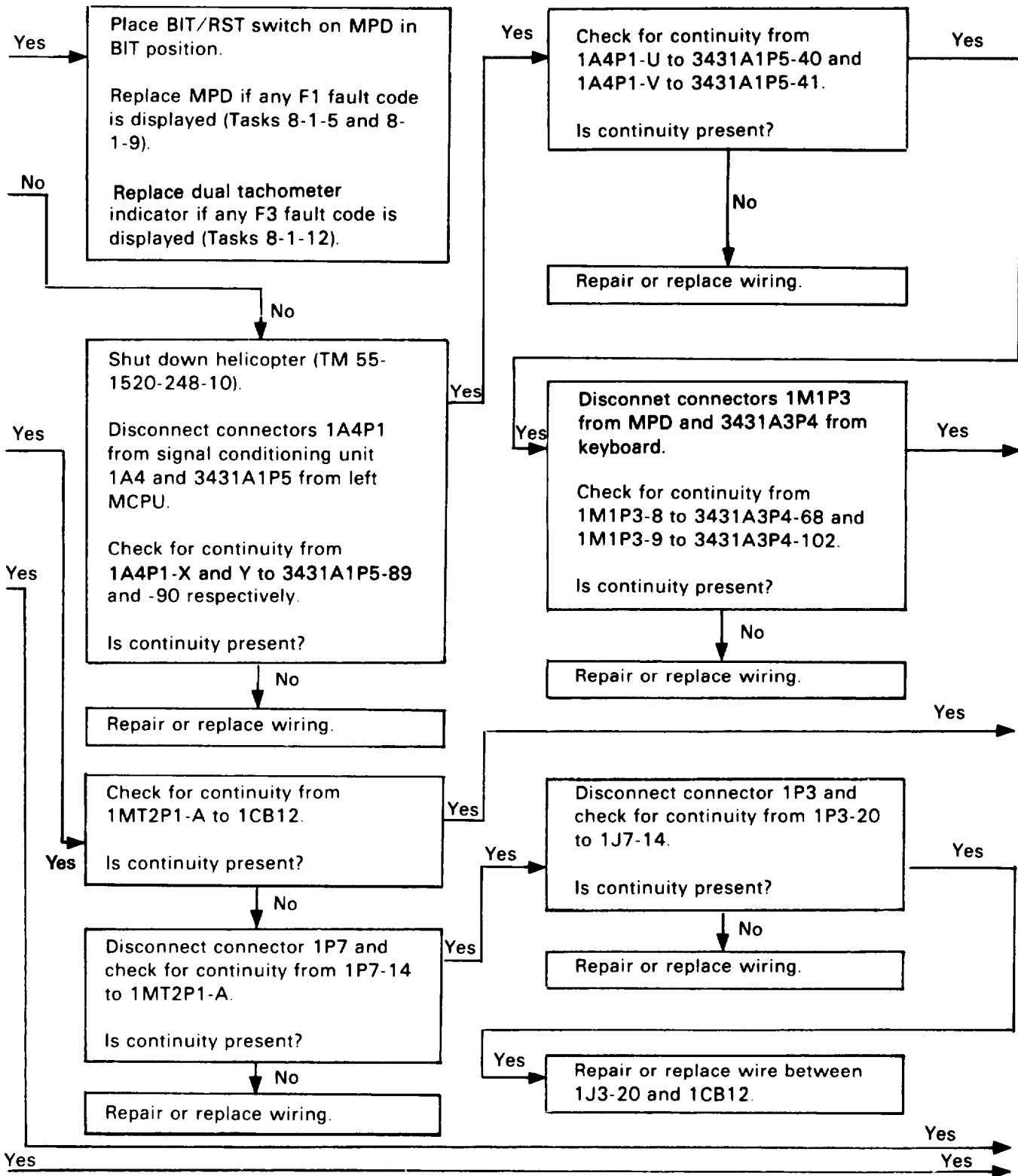


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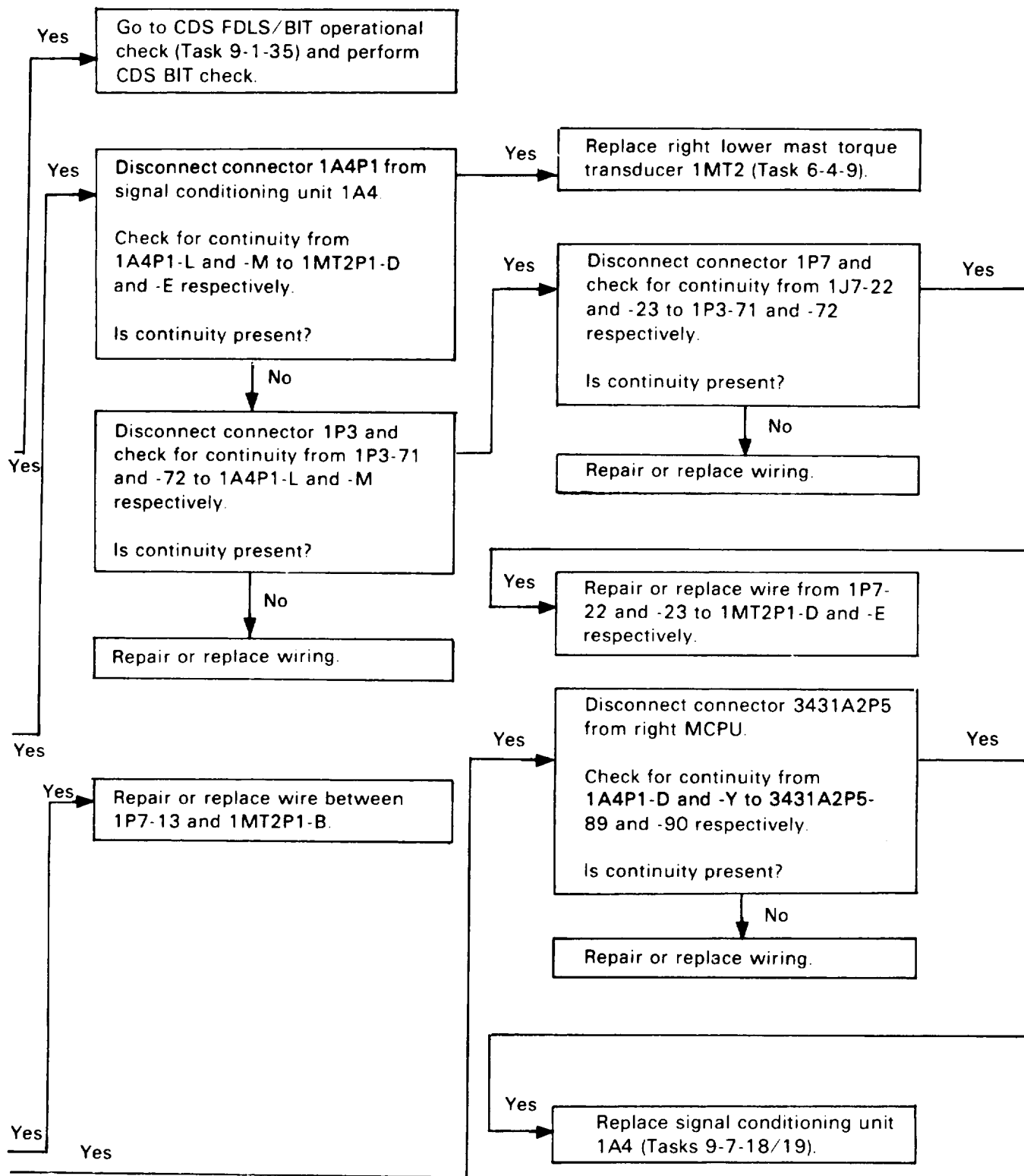
129. ROTOR NR RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 64% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



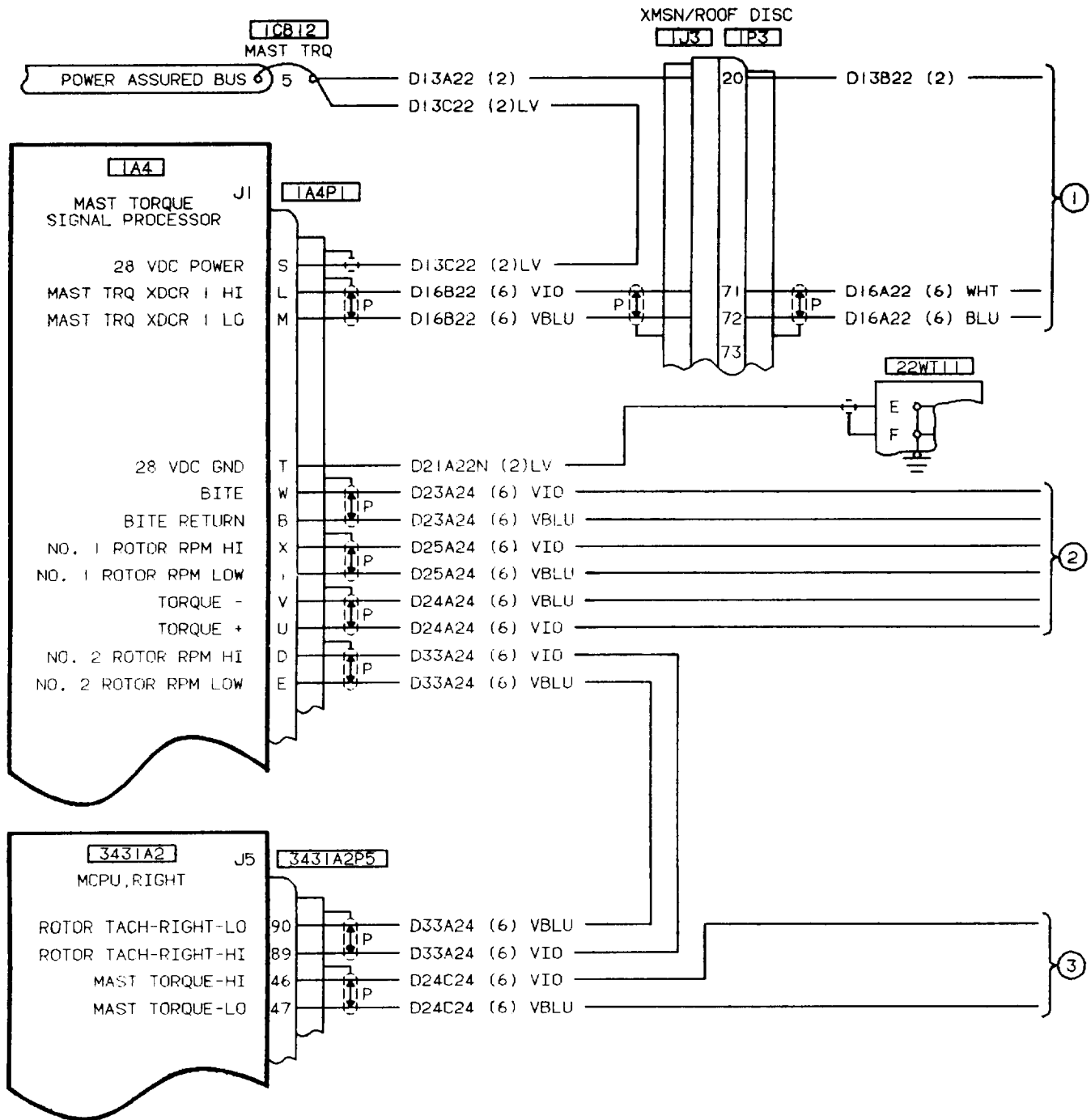
129. ROTOR NR RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 64% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)



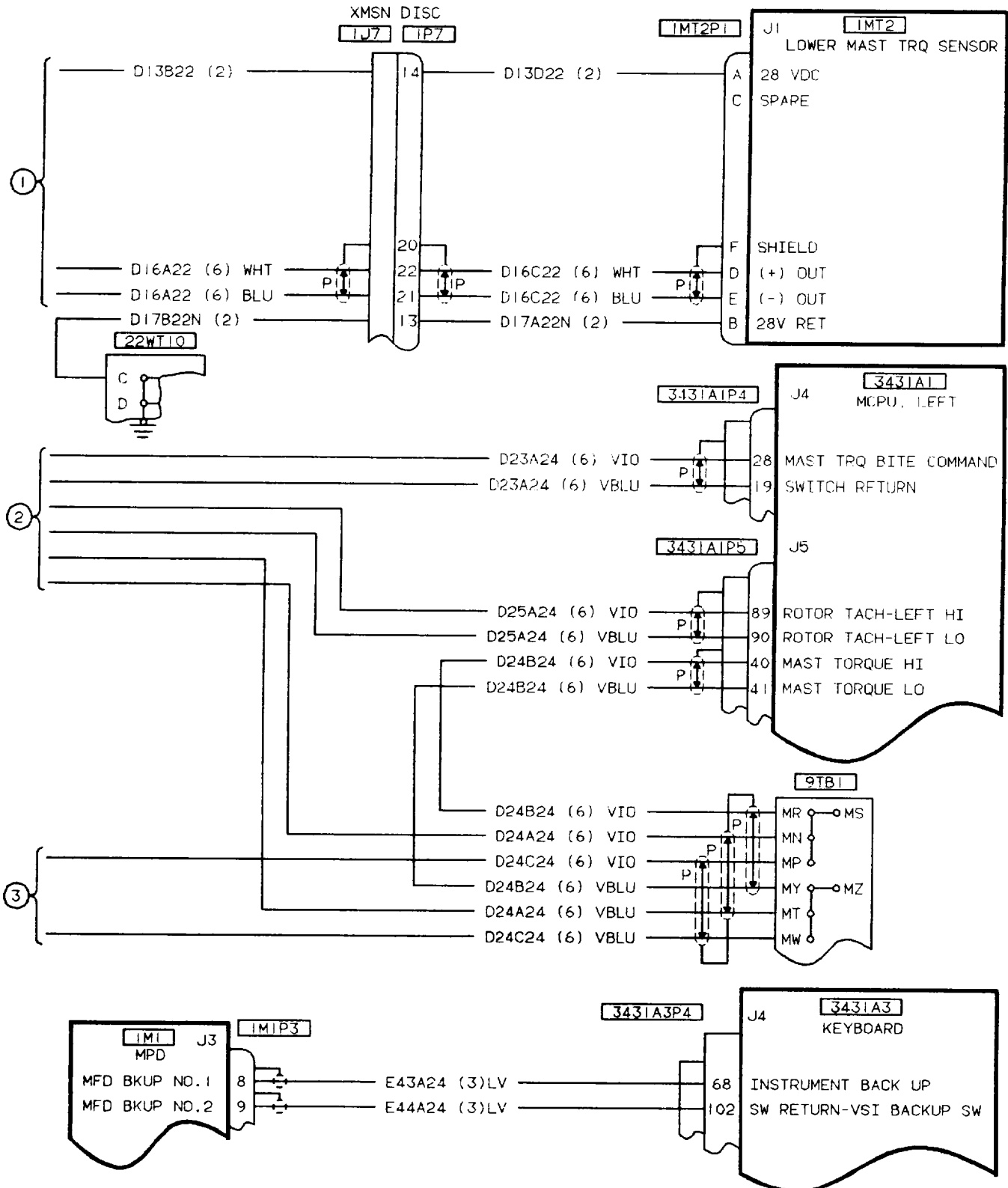
129. ROTOR NR RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 64% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)



129. ROTOR NR RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 64% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

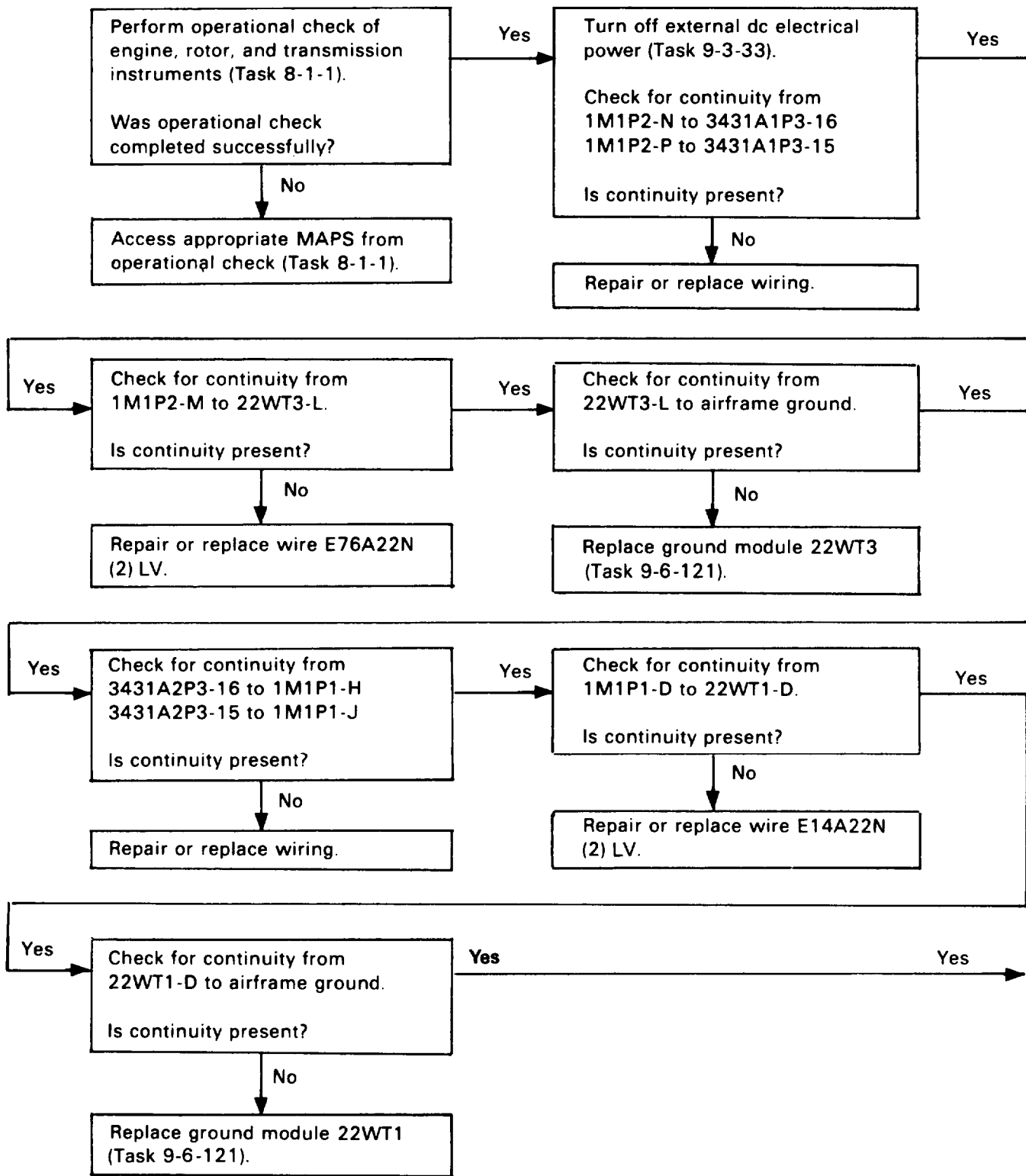


129. ROTOR NR RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 64% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

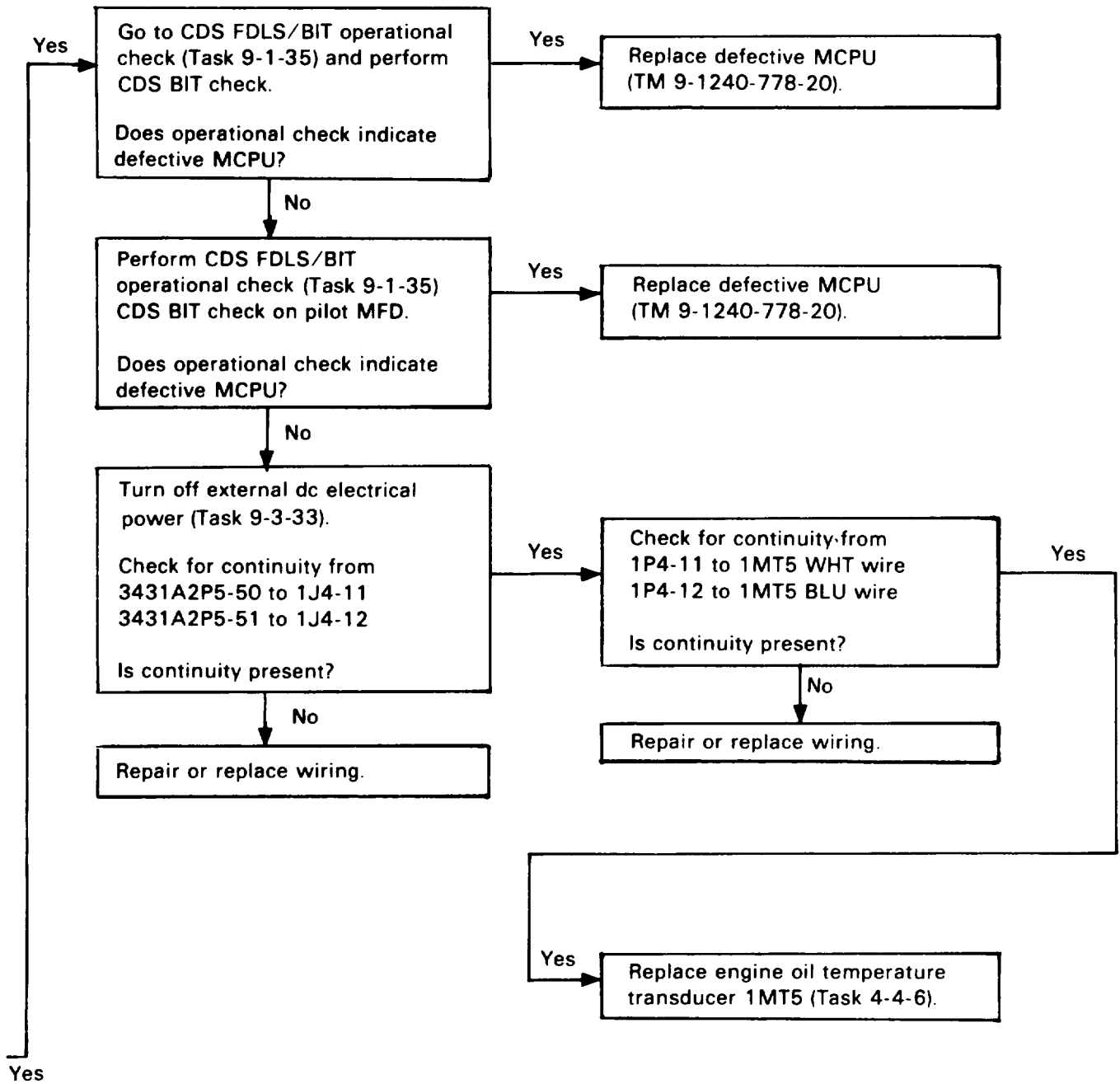


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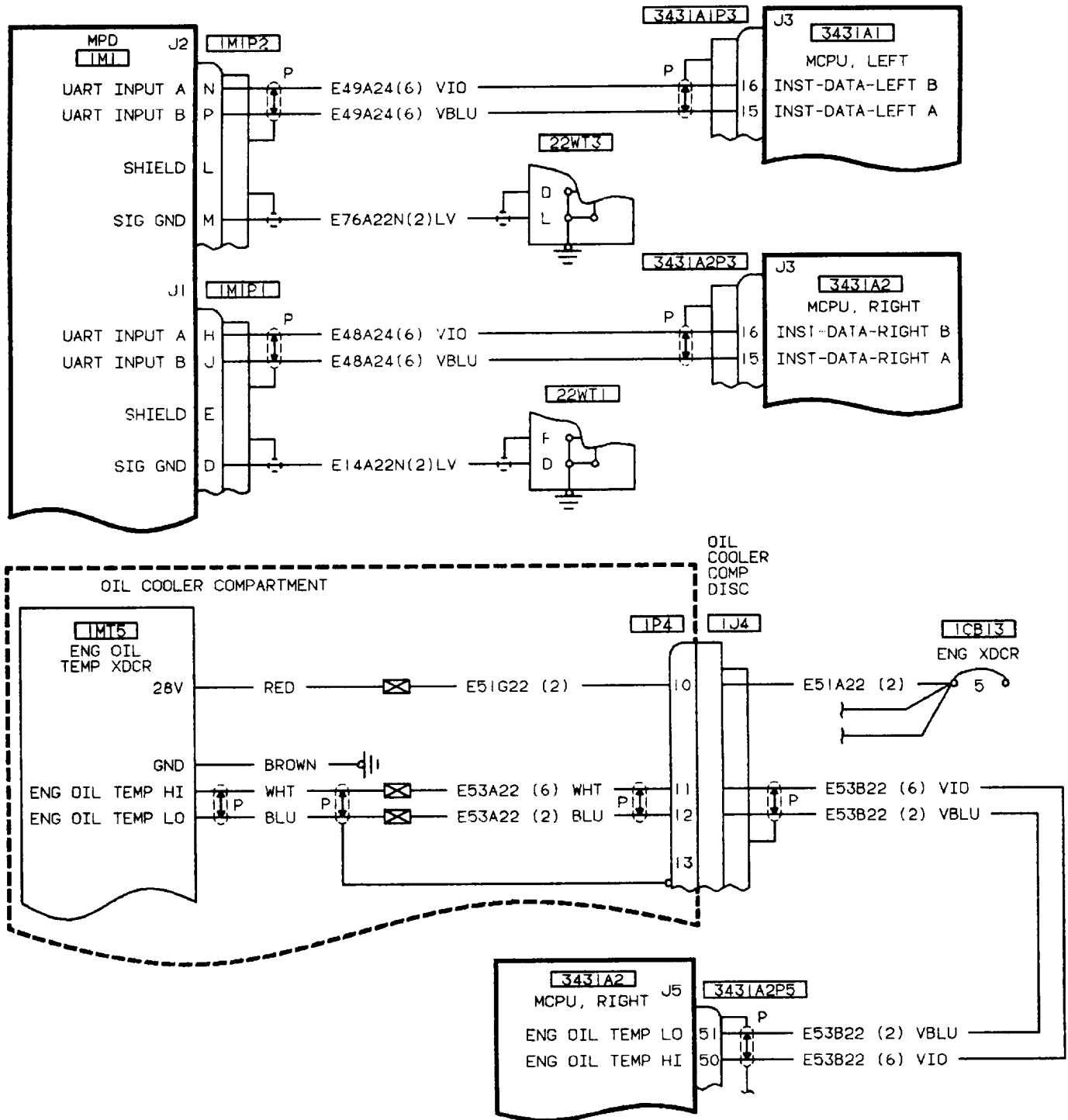
130. ENGINE OIL TEMPERATURE INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



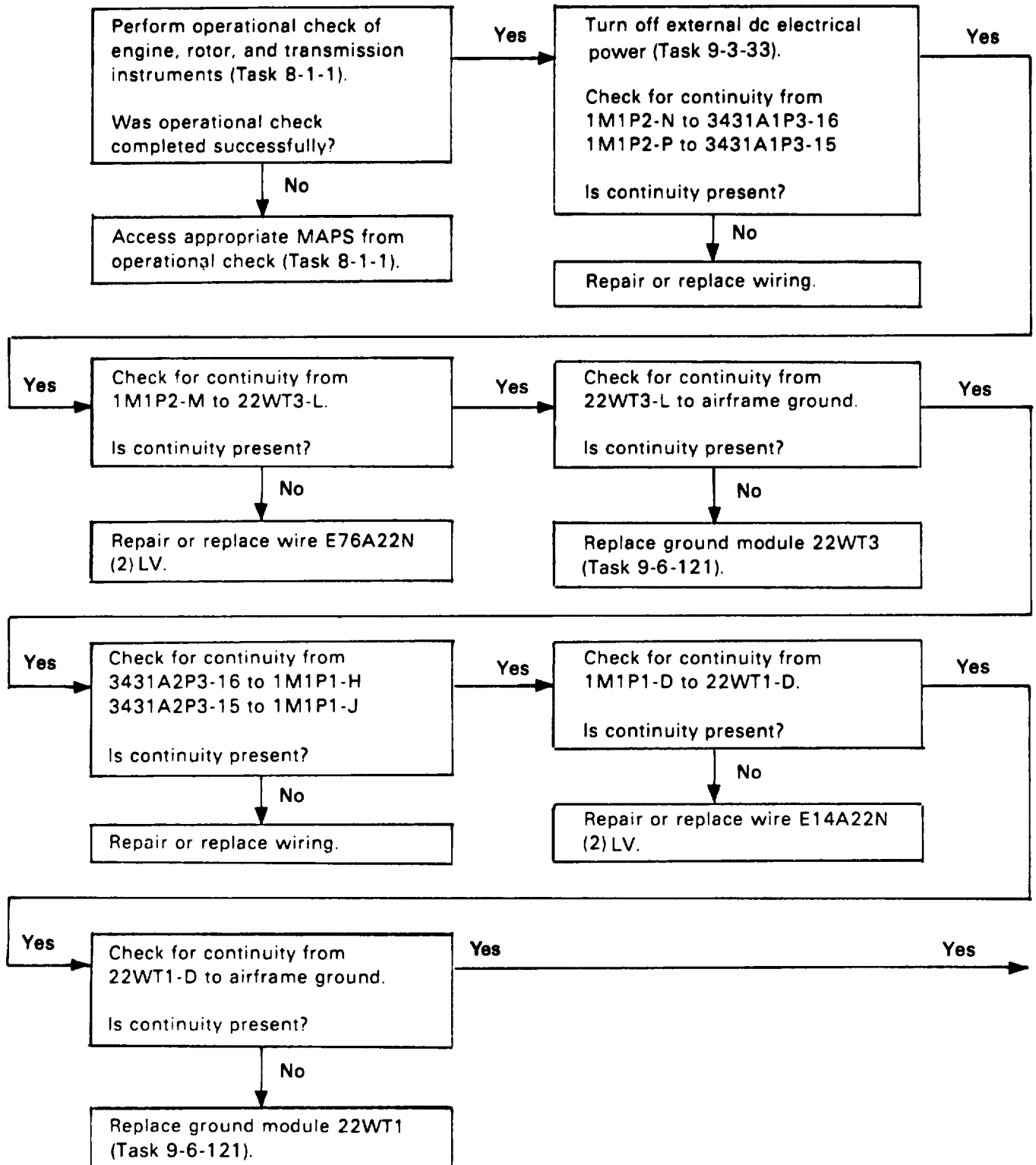
130. ENGINE OIL TEMPERATURE INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)



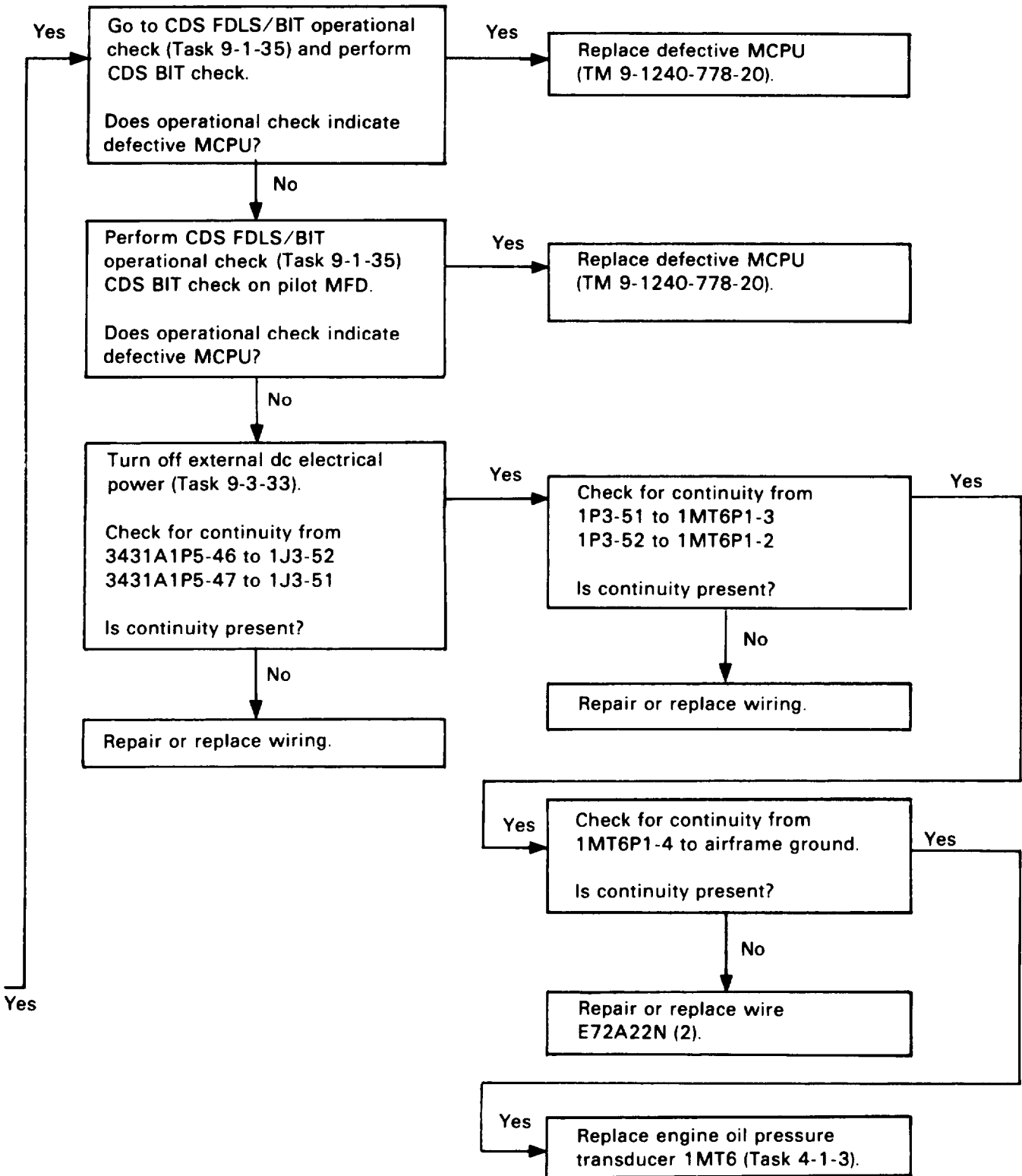
130. ENGINE OIL TEMPERATURE INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)



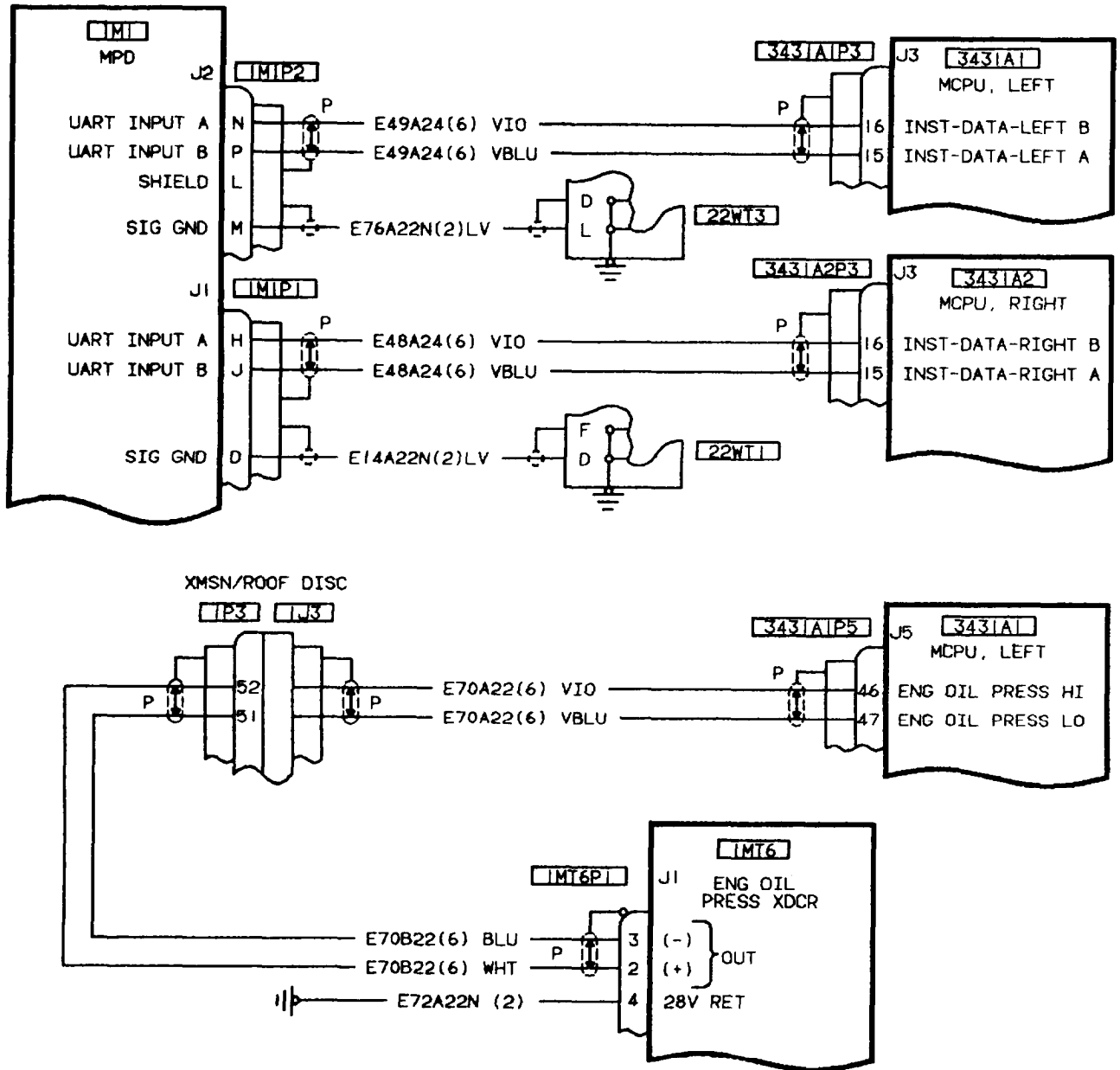
131. ENGINE OIL PRESSURE INDICATOR ON MPD DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



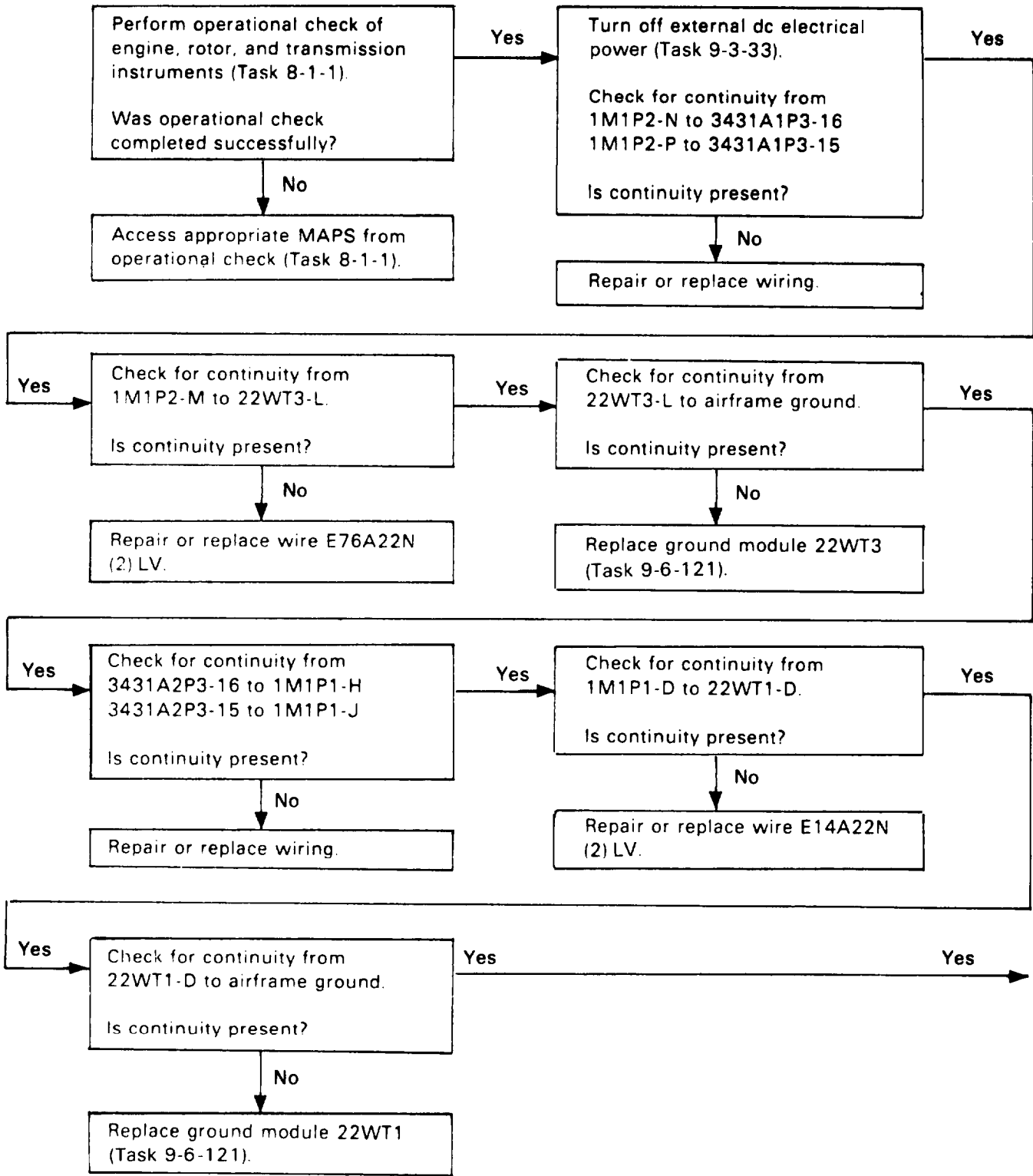
131. ENGINE OIL PRESSURE INDICATOR ON MPD DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)



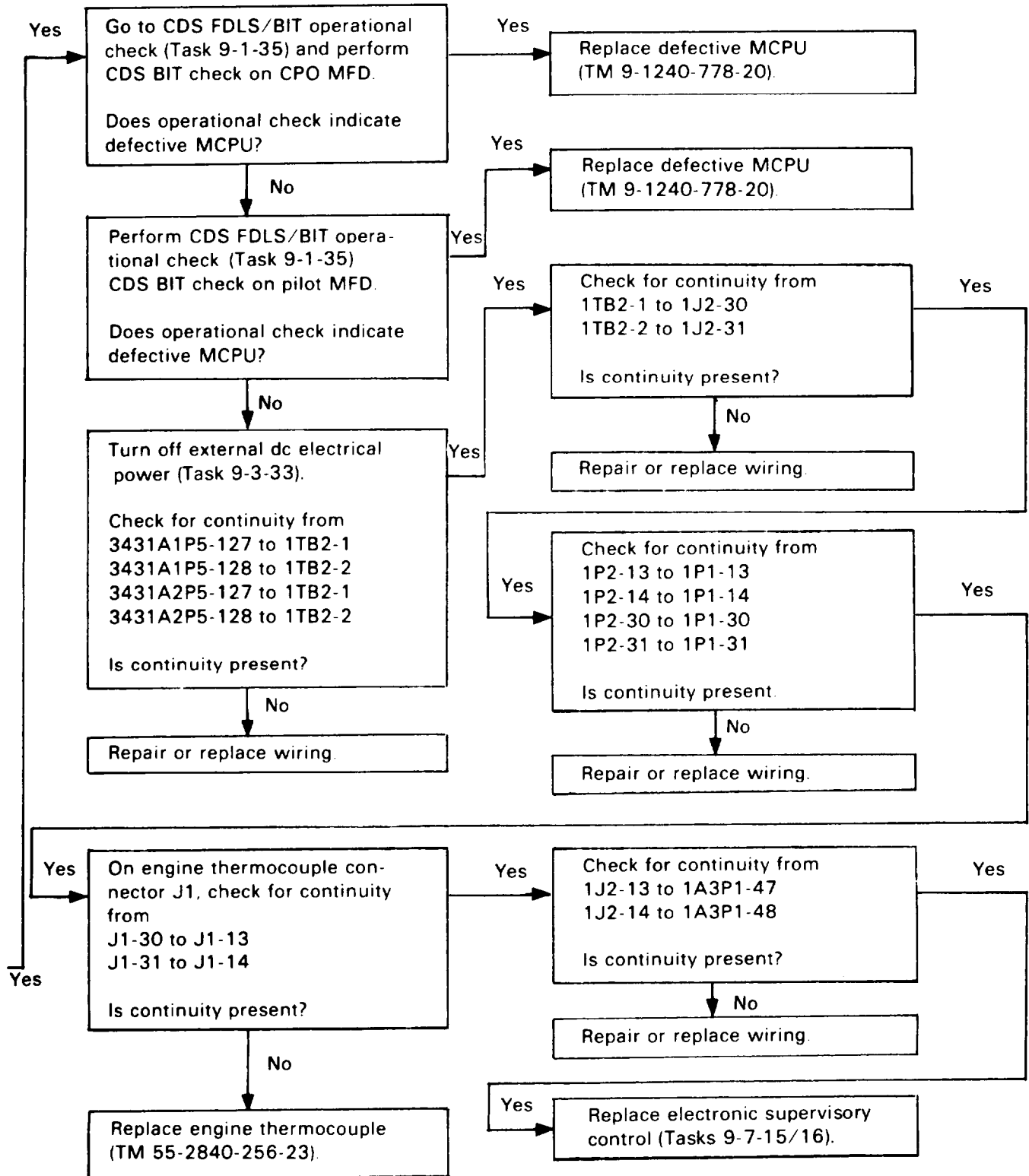
131. ENGINE OIL PRESSURE INDICATOR ON MPD DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)



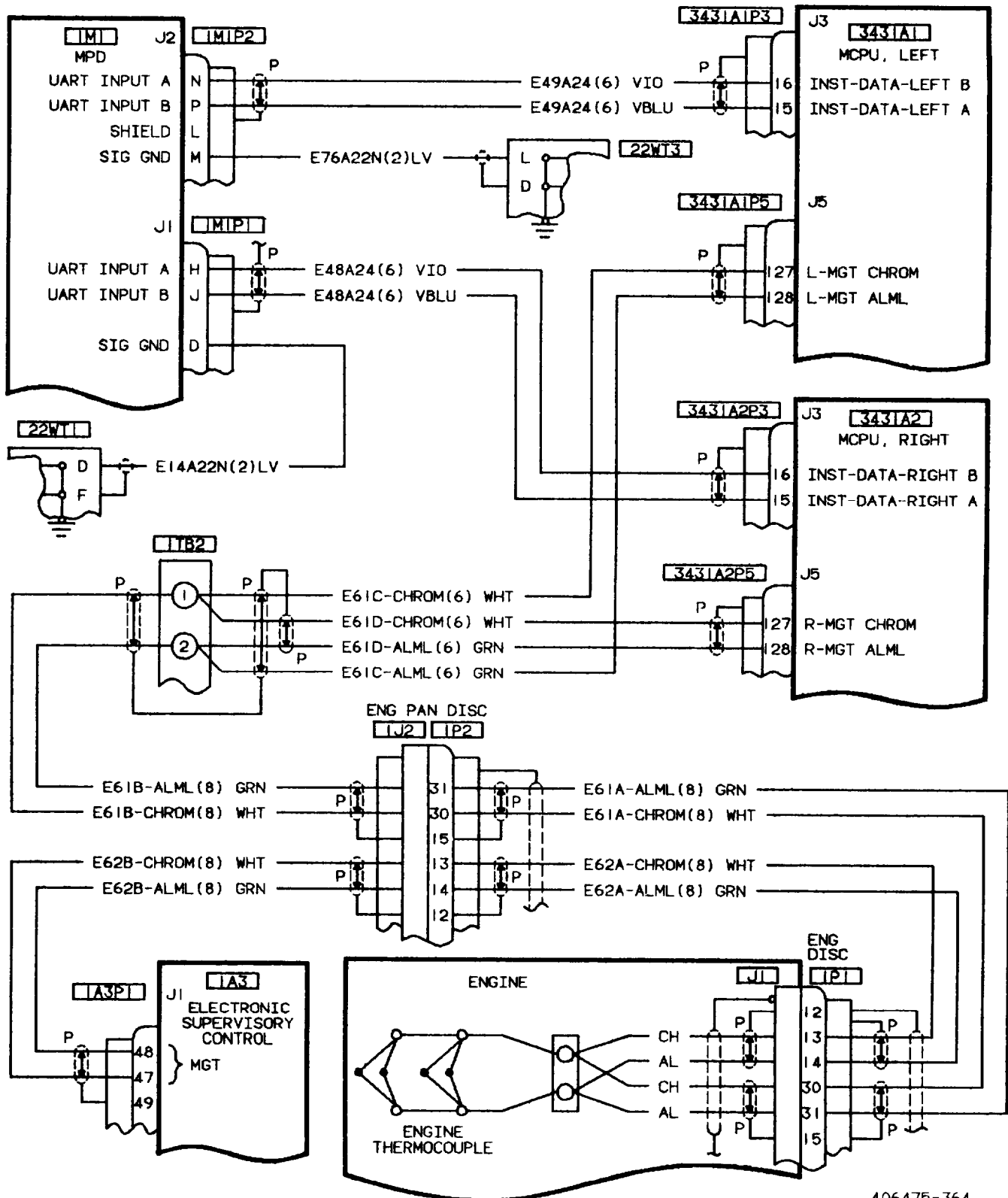
132. ENGINE TGT INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



132. ENGINE TGT INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

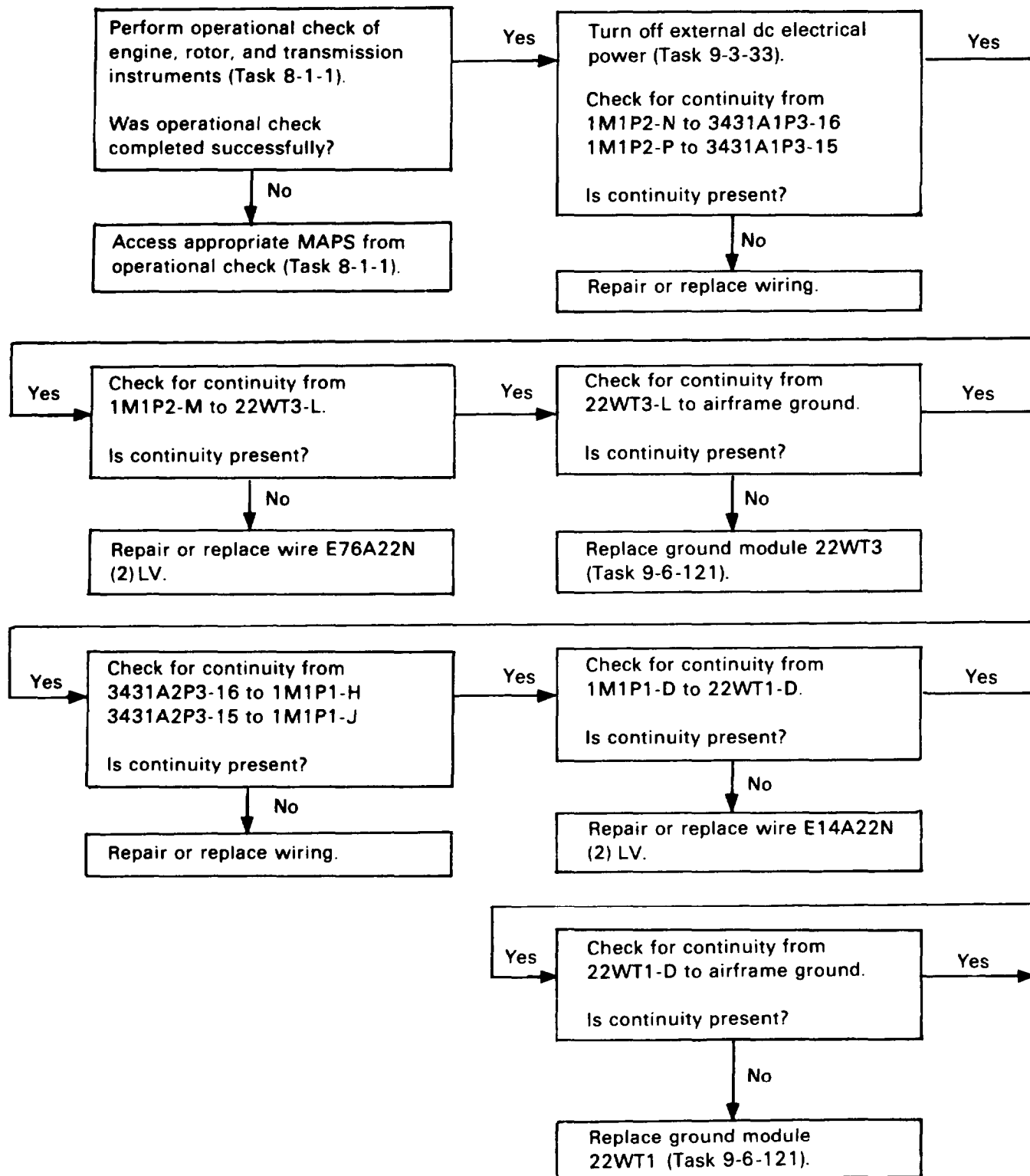


132. ENGINE TGT INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

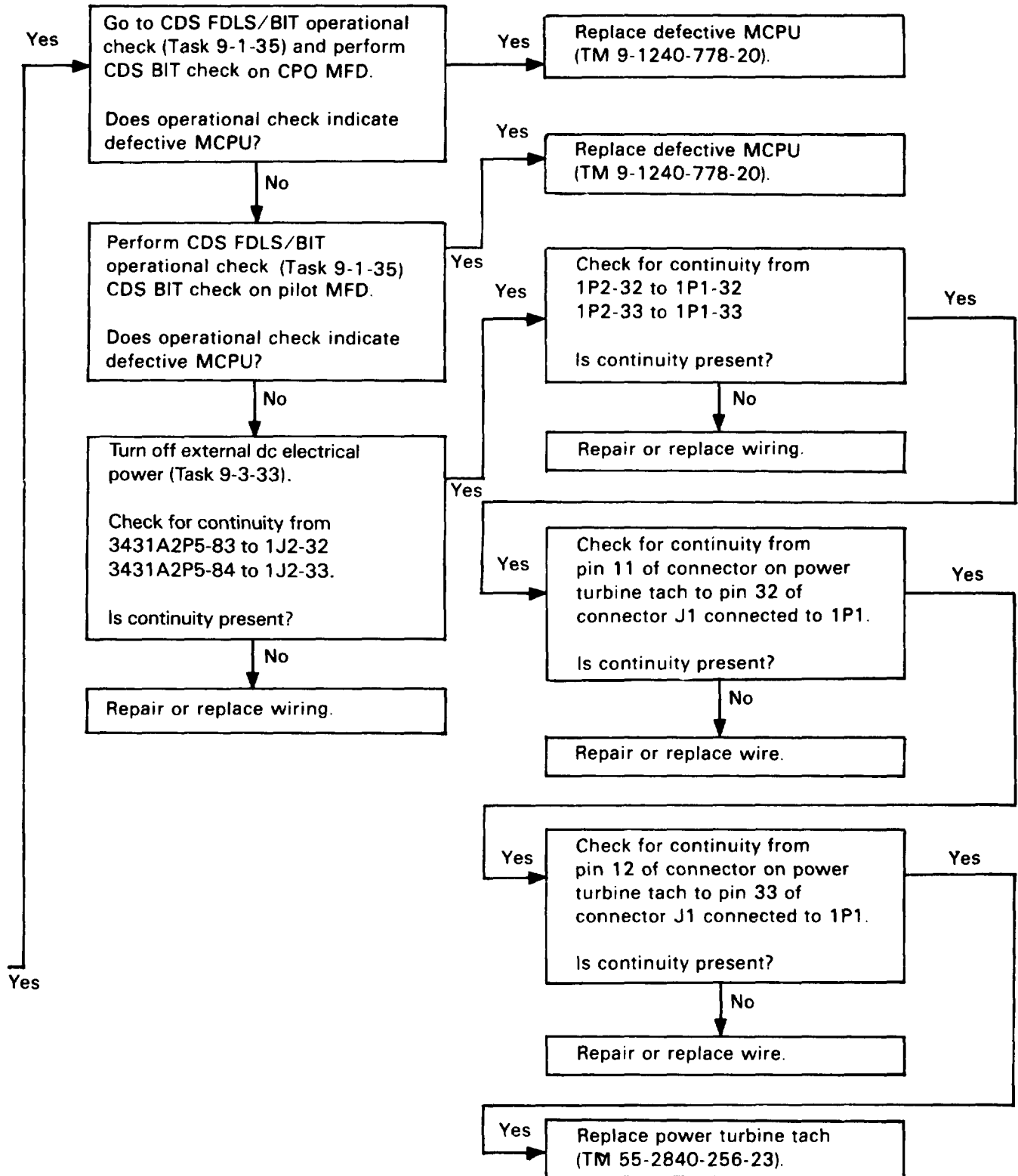


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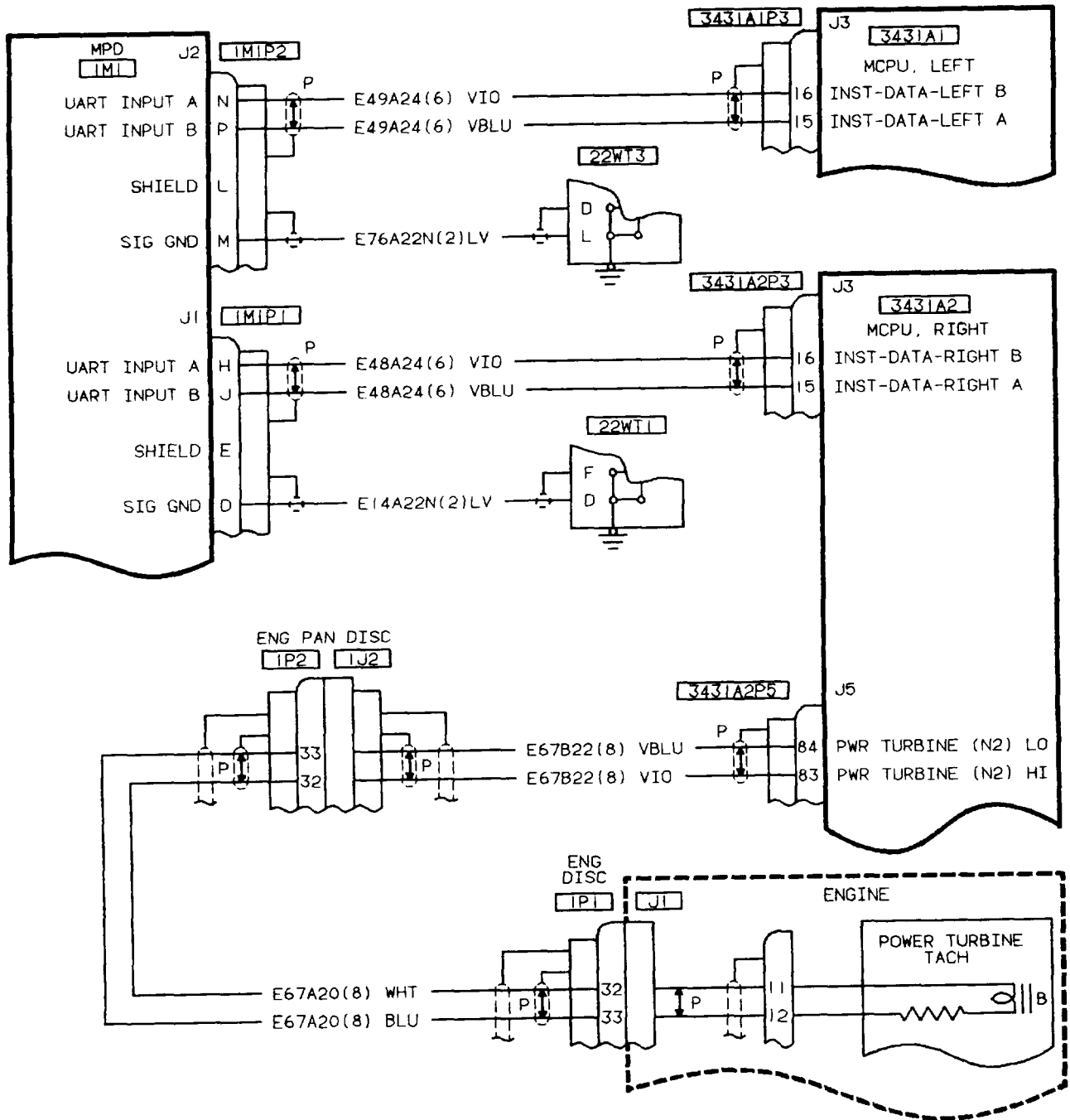
133. ENGINE NP RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 62% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



133. ENGINE NP RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 62% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

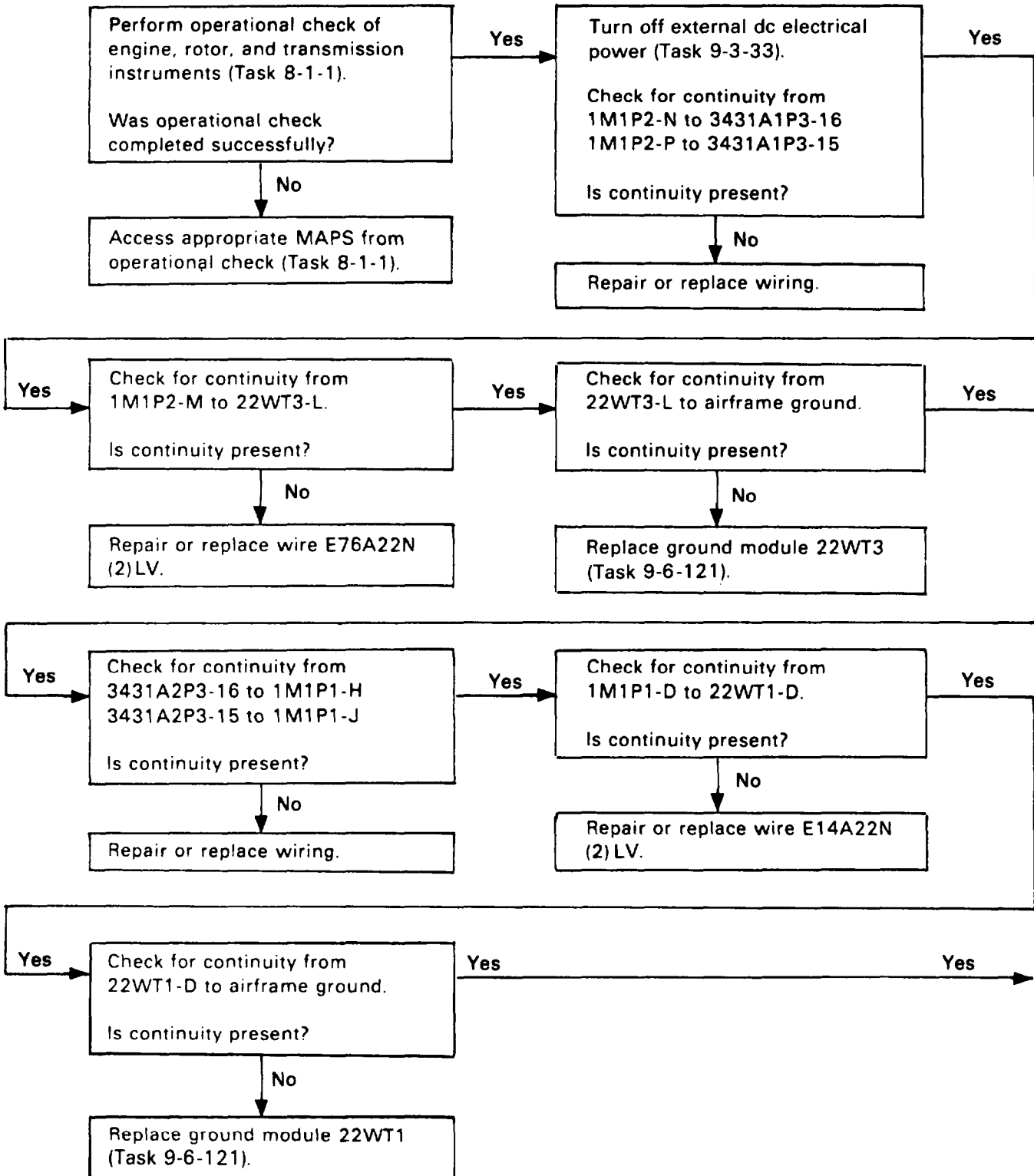


133. ENGINE NP RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 62% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

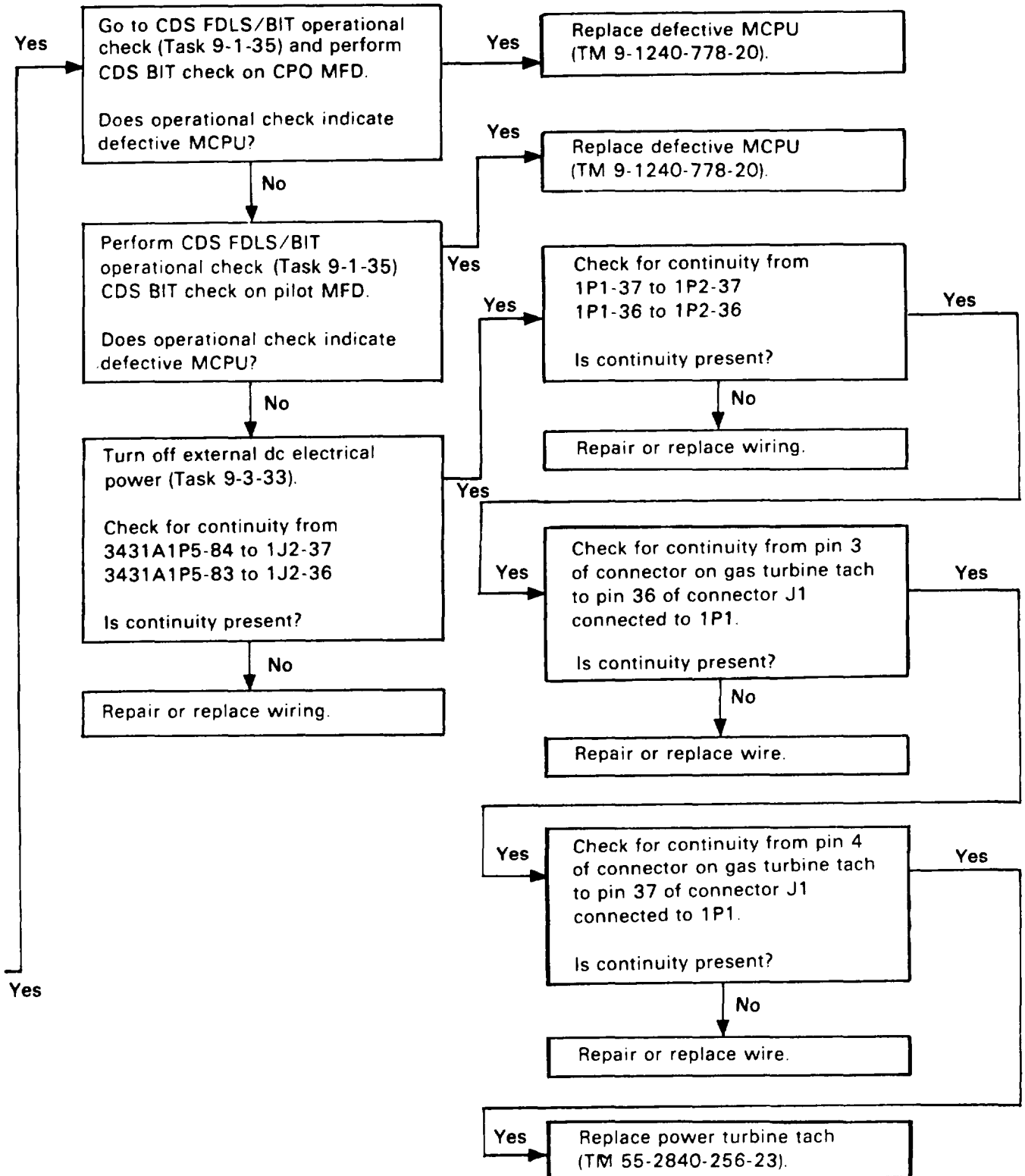


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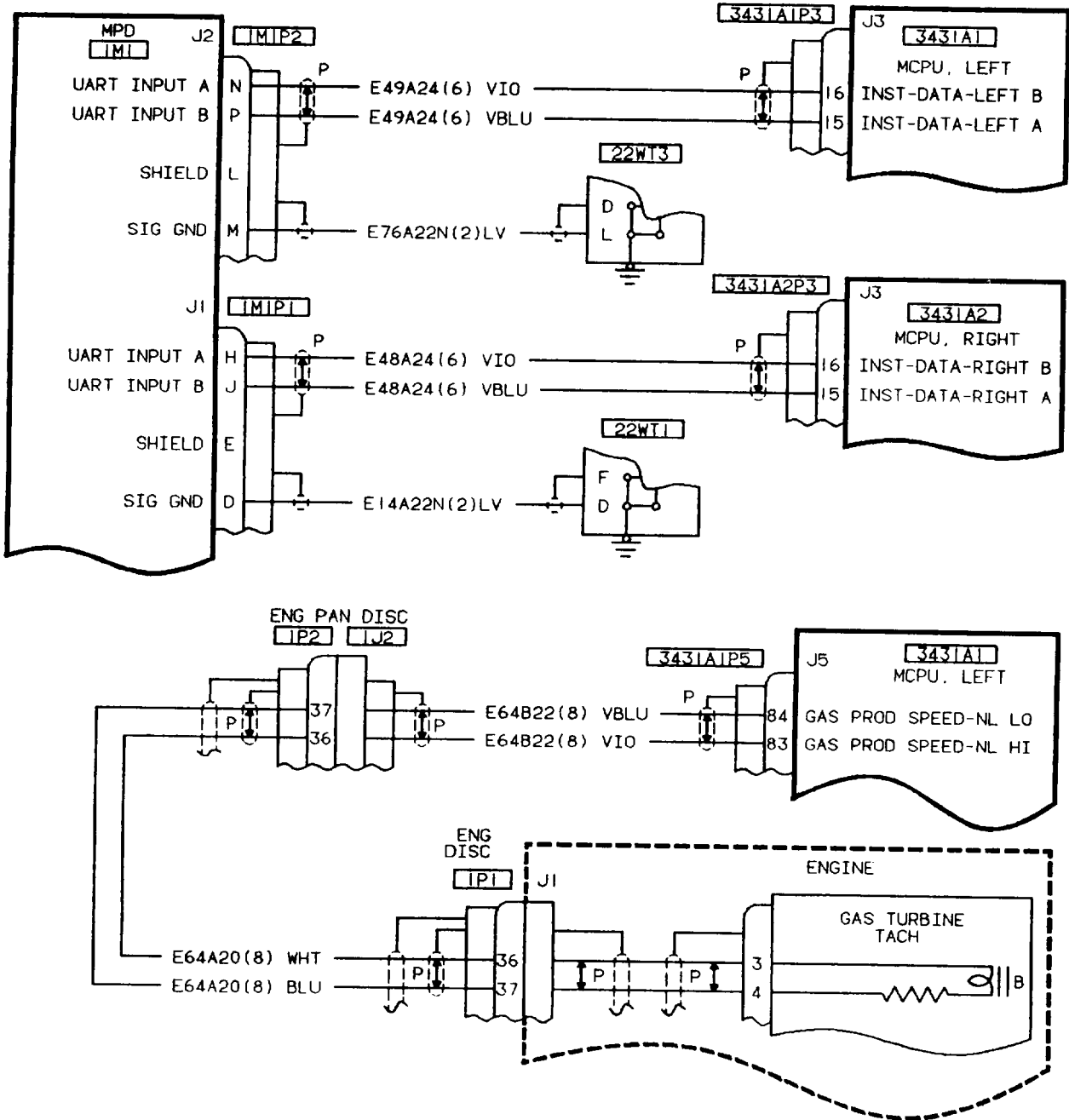
134. ENGINE NG RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 64% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



134. ENGINE NG RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 64% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

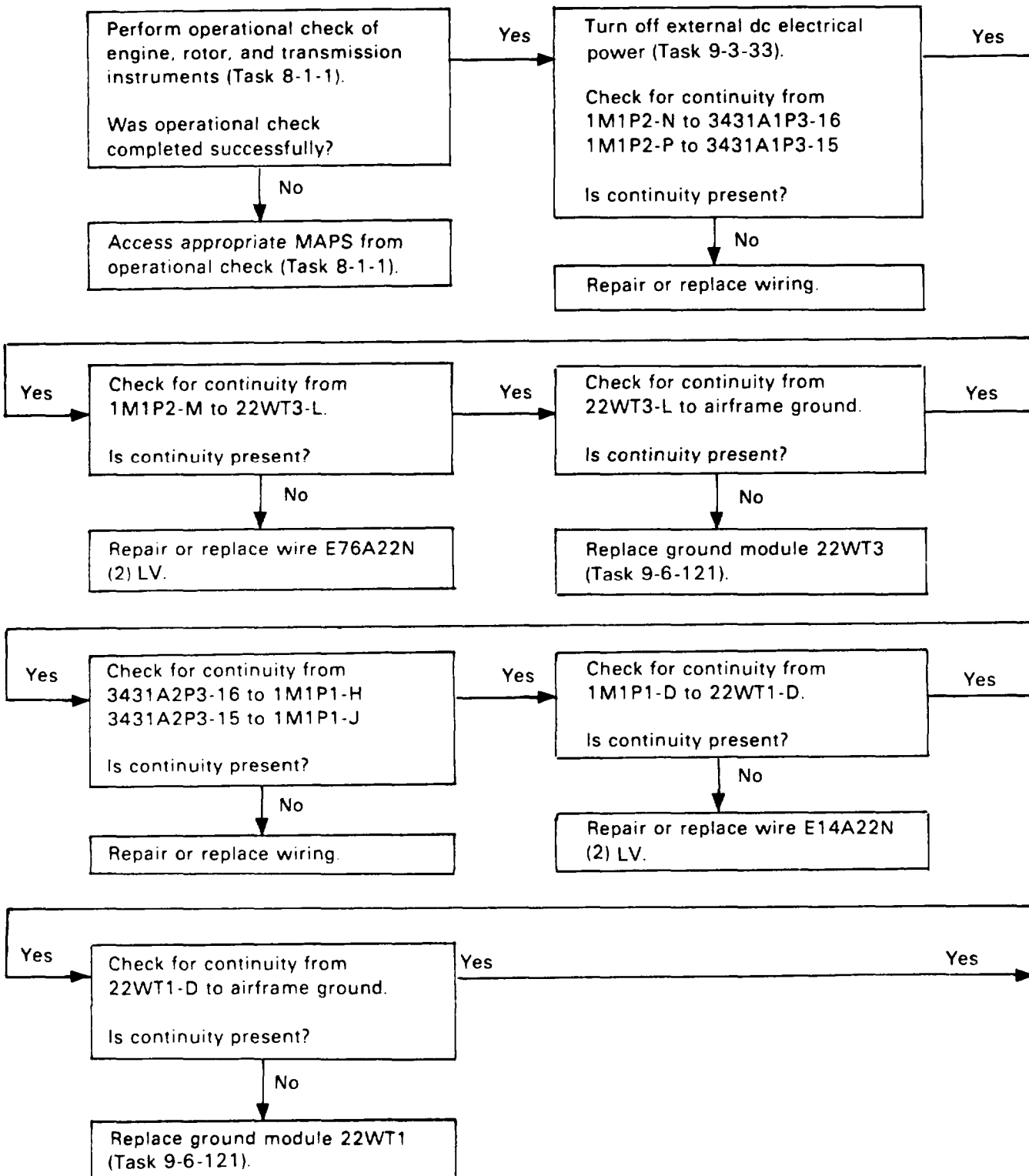


134. ENGINE NG RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 64% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

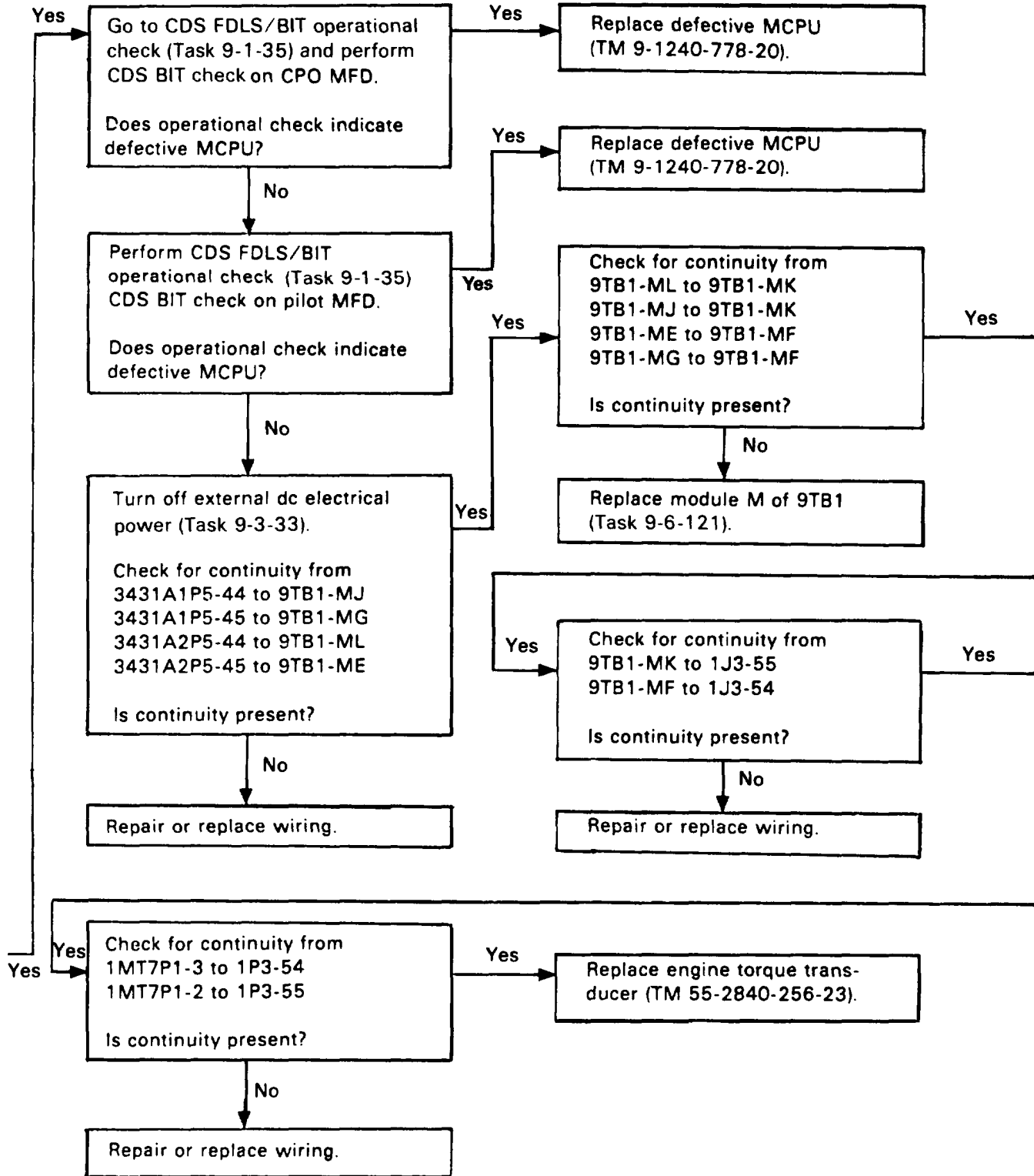


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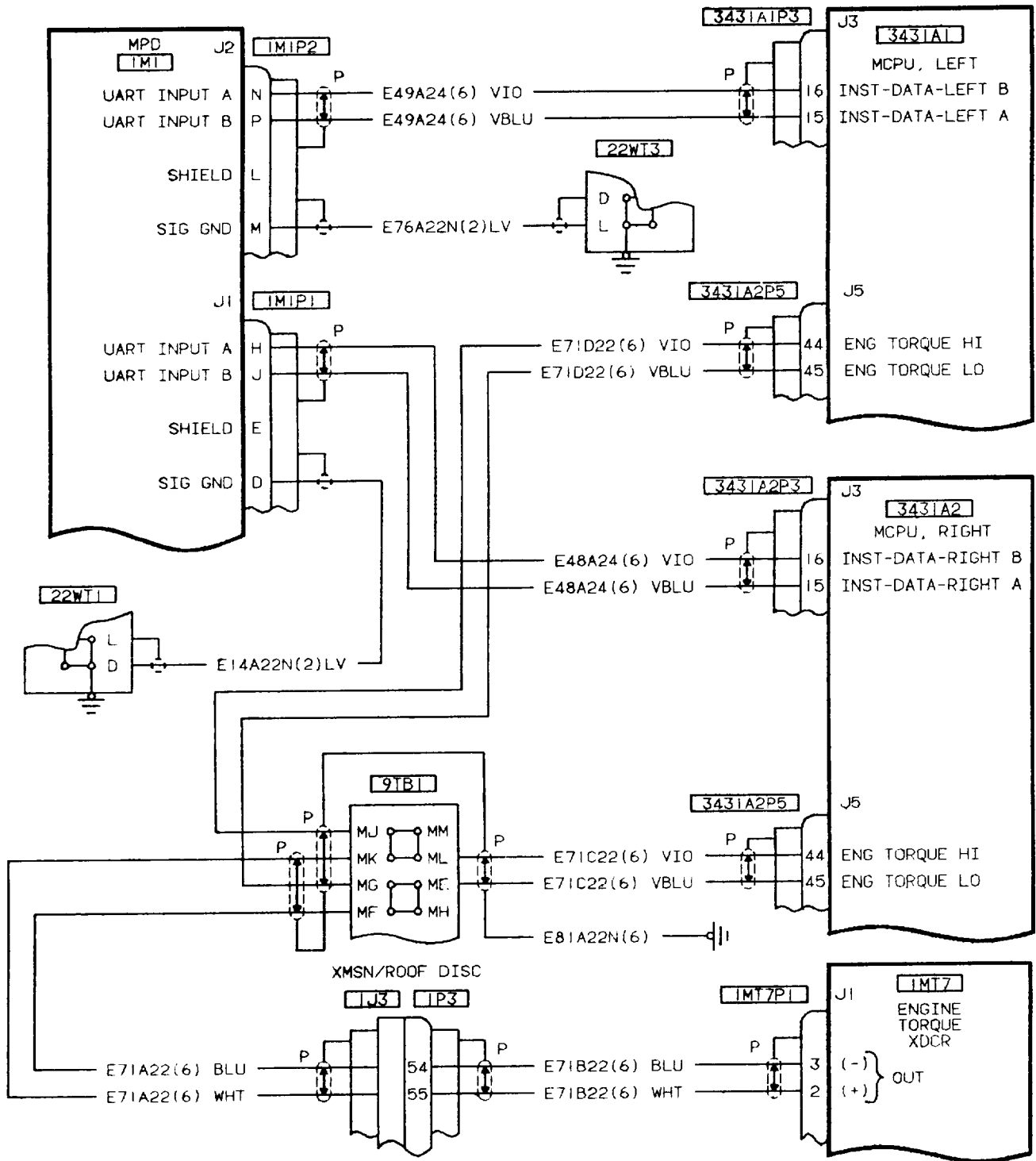
135. ENGINE TORQUE INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 8% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



135. ENGINE TORQUE INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 8% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

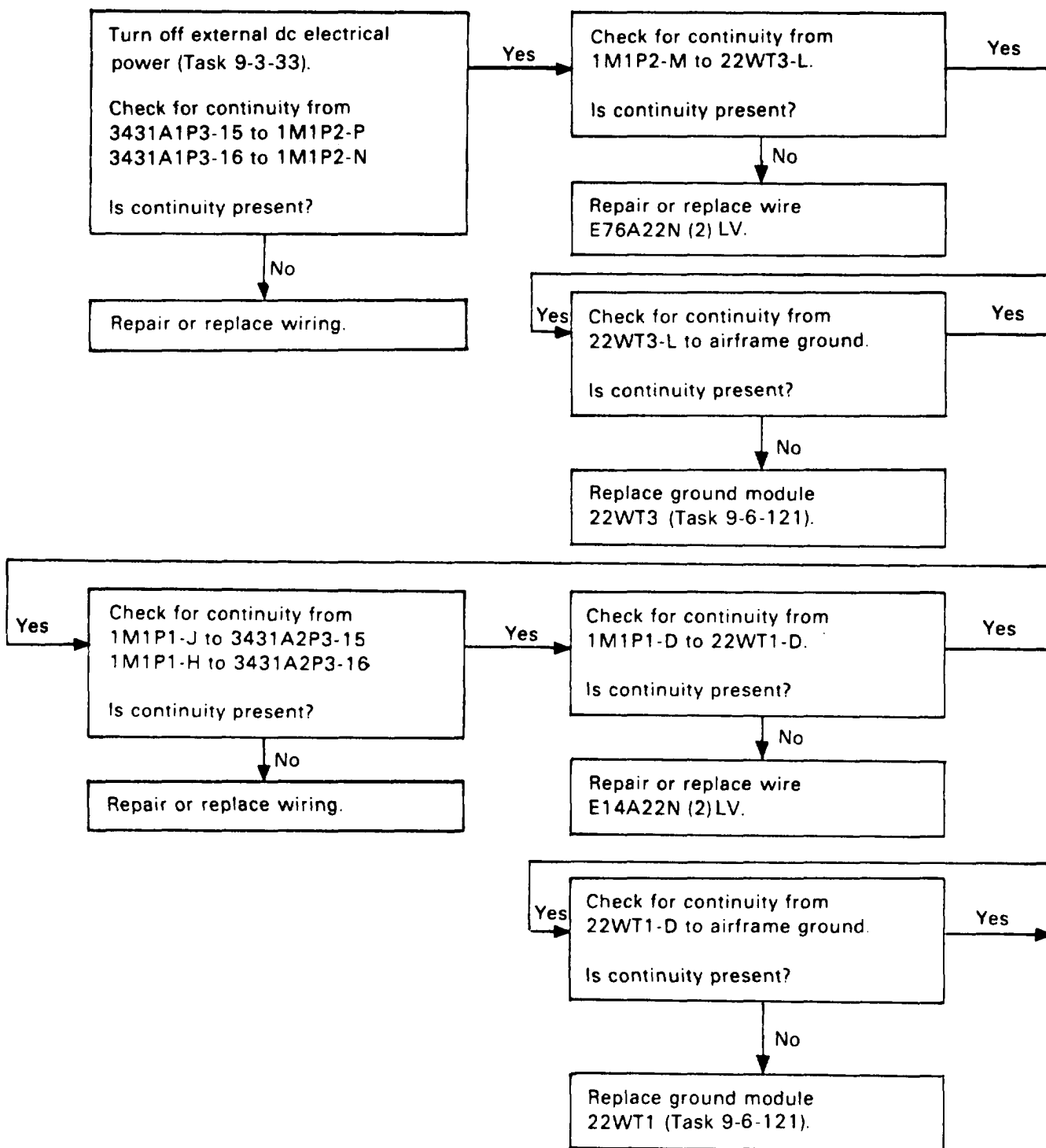


135. ENGINE TORQUE INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 8% (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

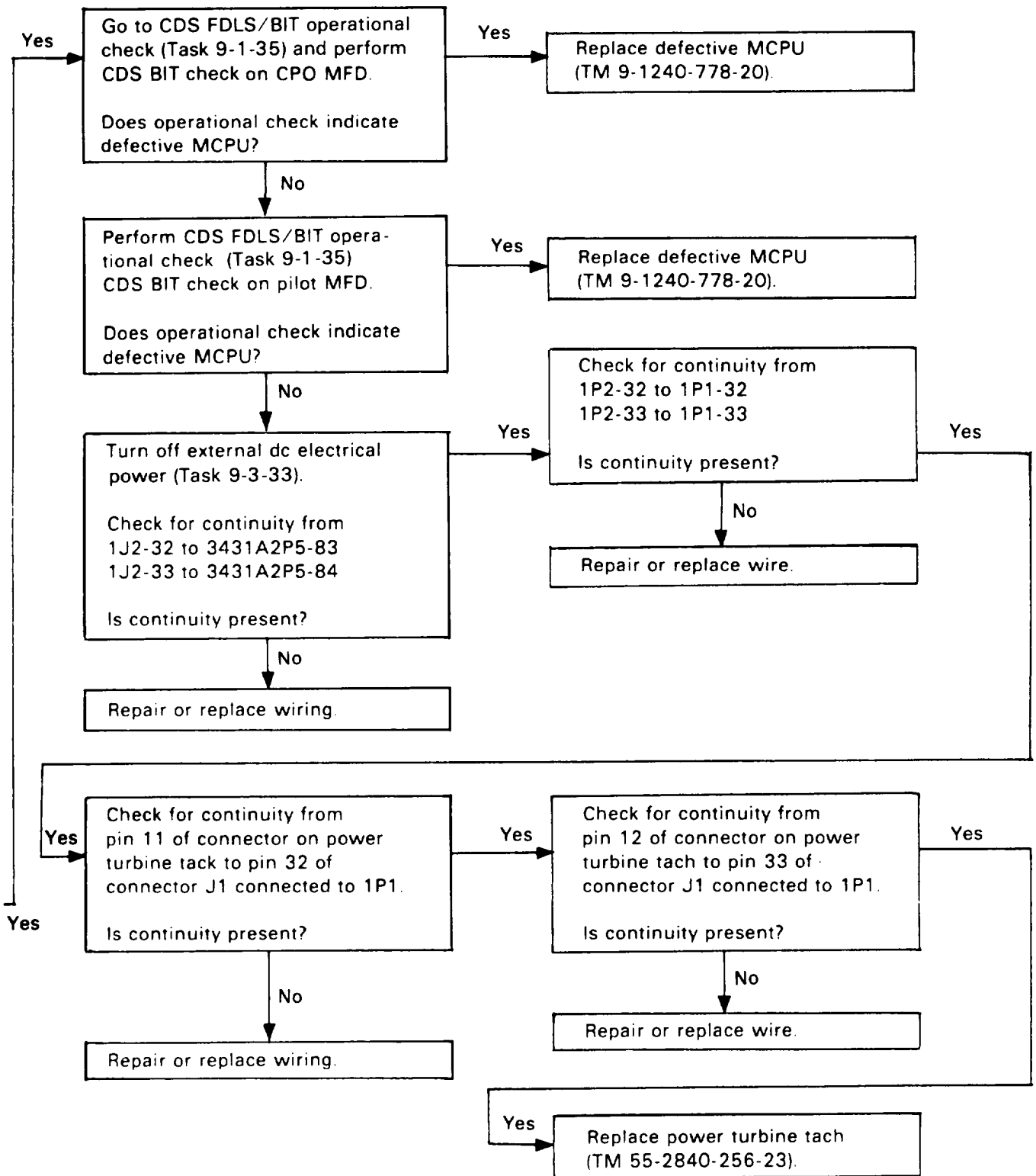


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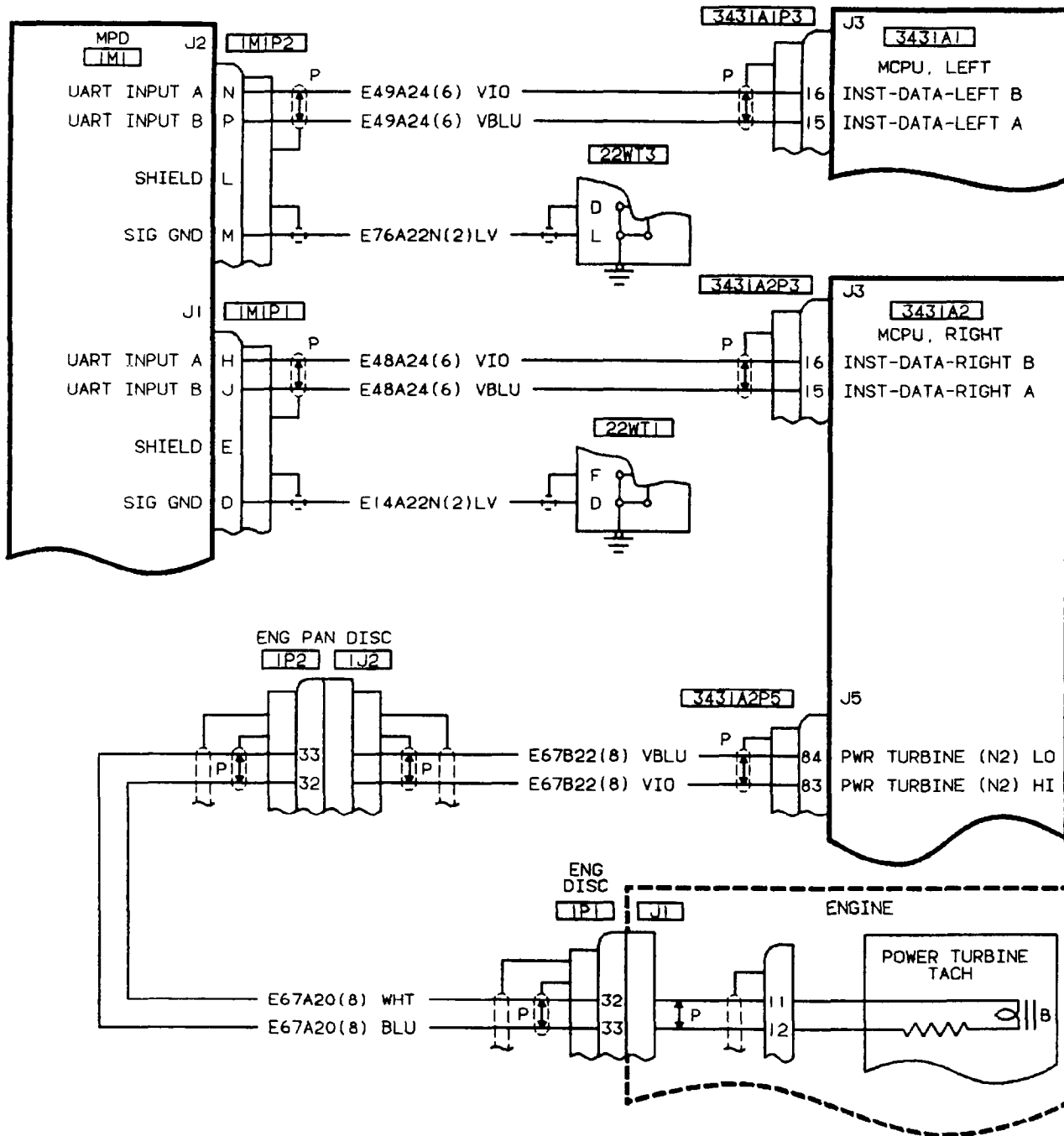
136. ENGINE NP RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 100% (HELICOPTER AT 100% RPM AND DC GENERATOR ON)



136. ENGINE NP RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 100% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

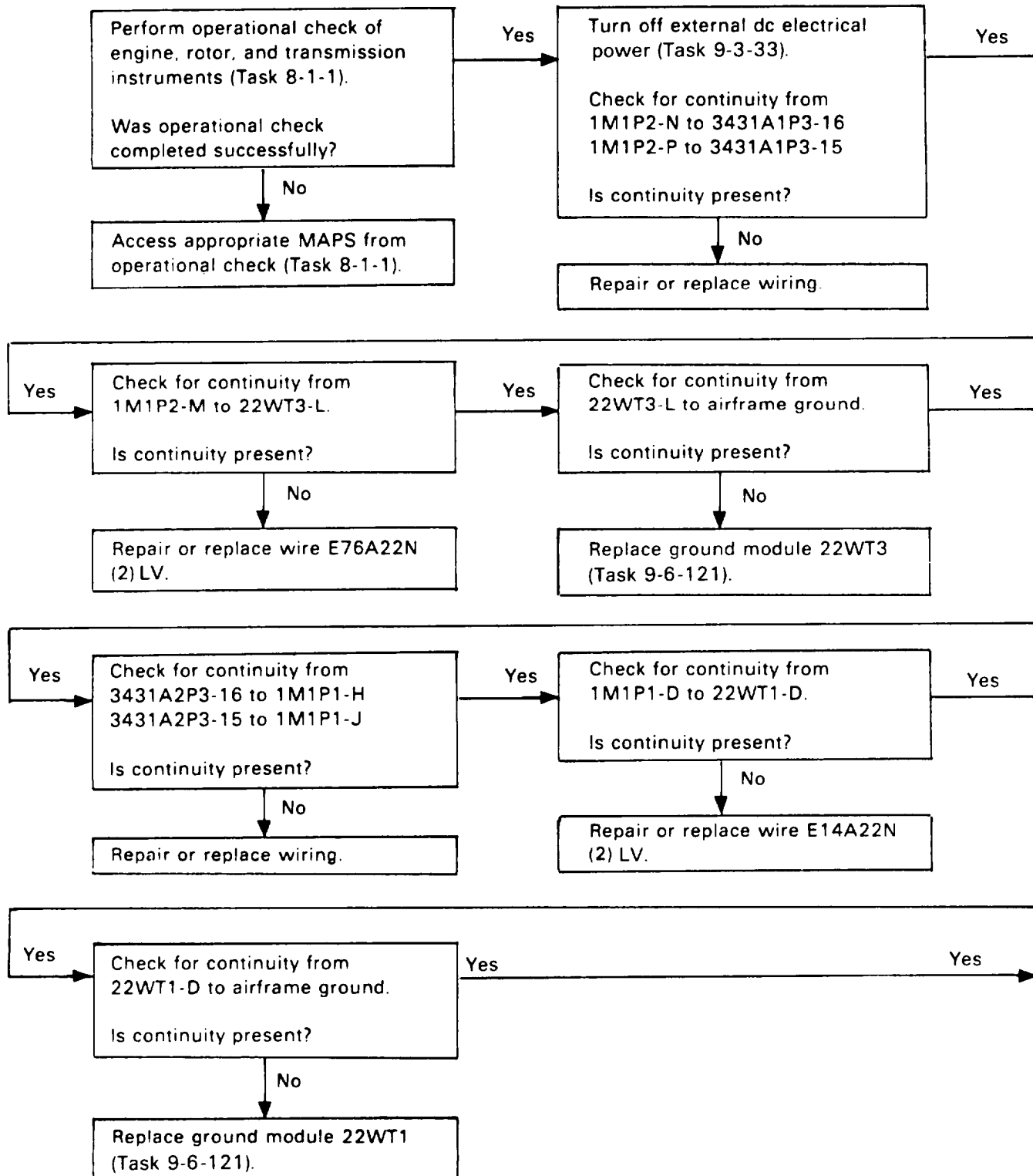


136 ENGINE NP RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 100% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

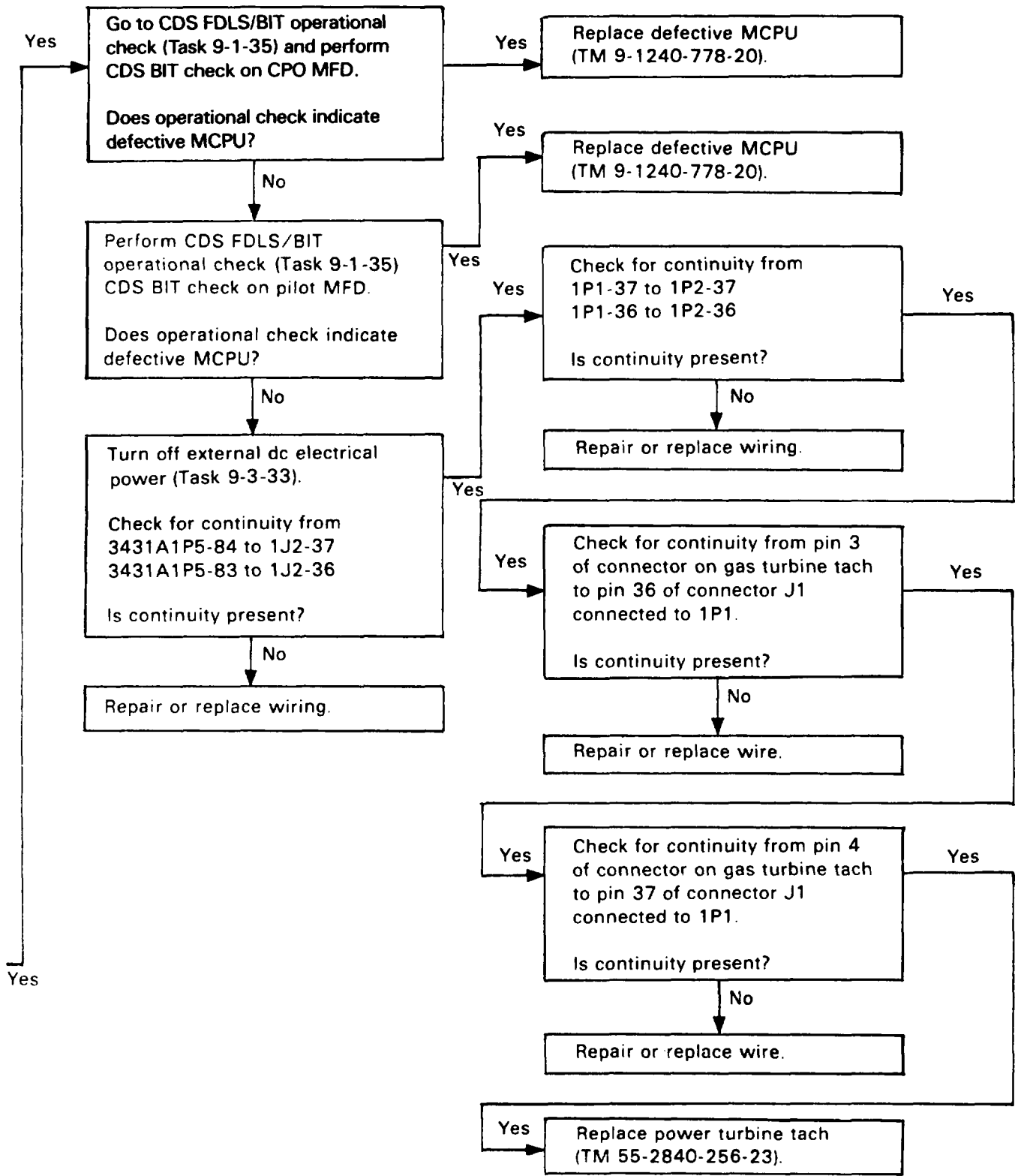


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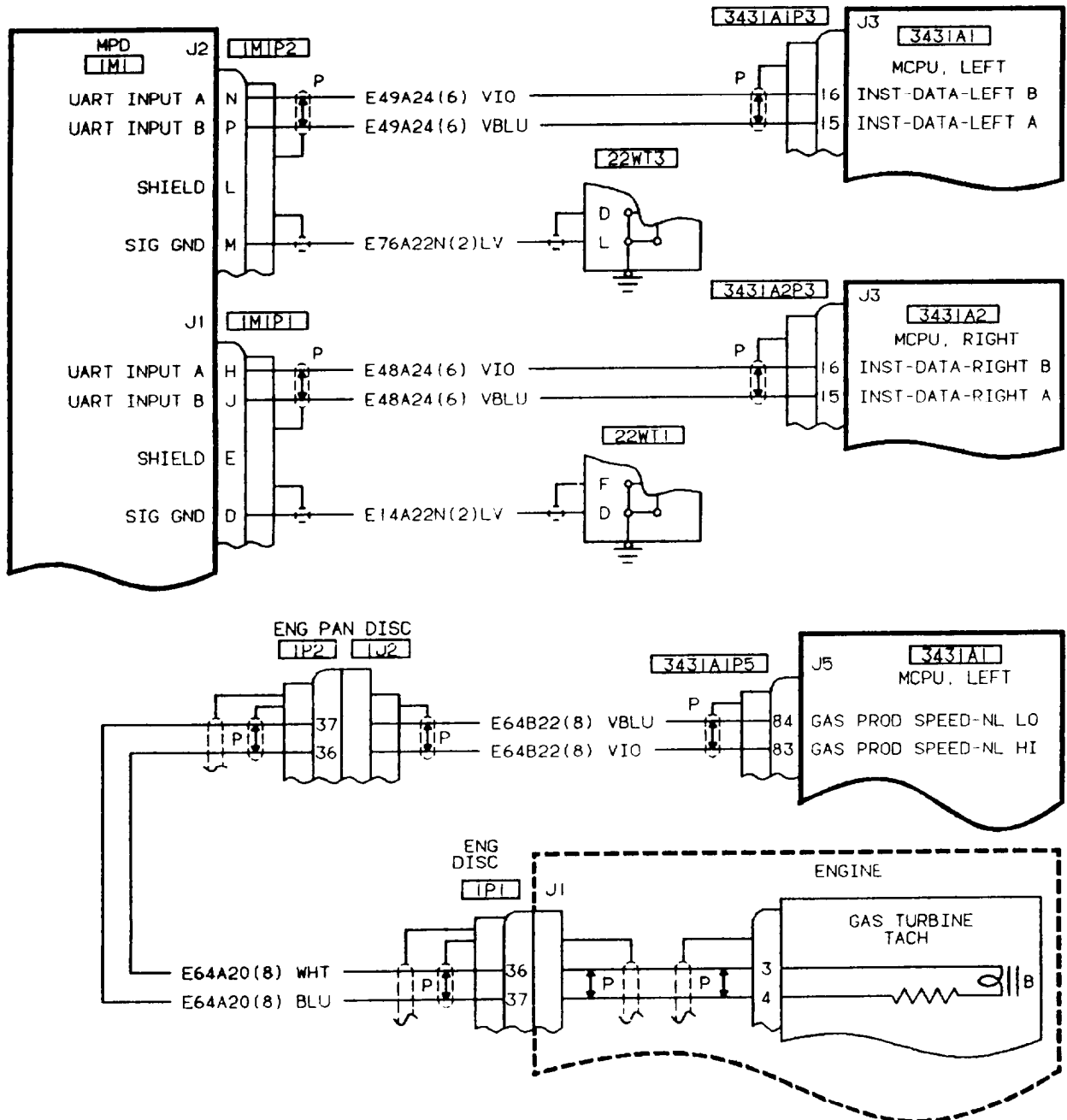
137. ENGINE NG RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 80% (HELICOPTER AT 100% RPM AND DC GENERATOR ON)



137. ENGINE NG RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 80% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

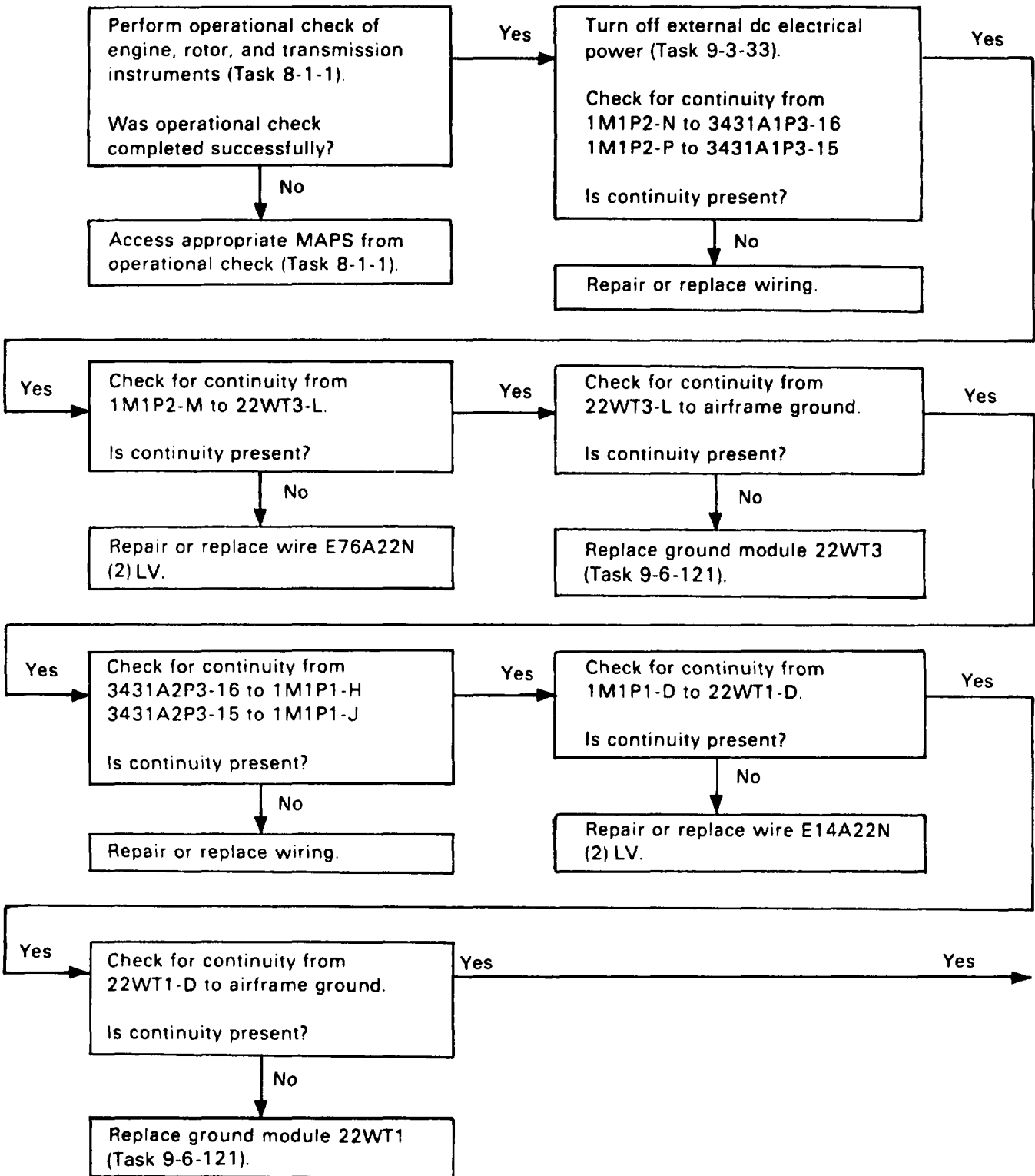


137. ENGINE NG RPM INDICATOR (VERTICAL SCALE) DOES NOT INDICATE APPROXIMATELY 80% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

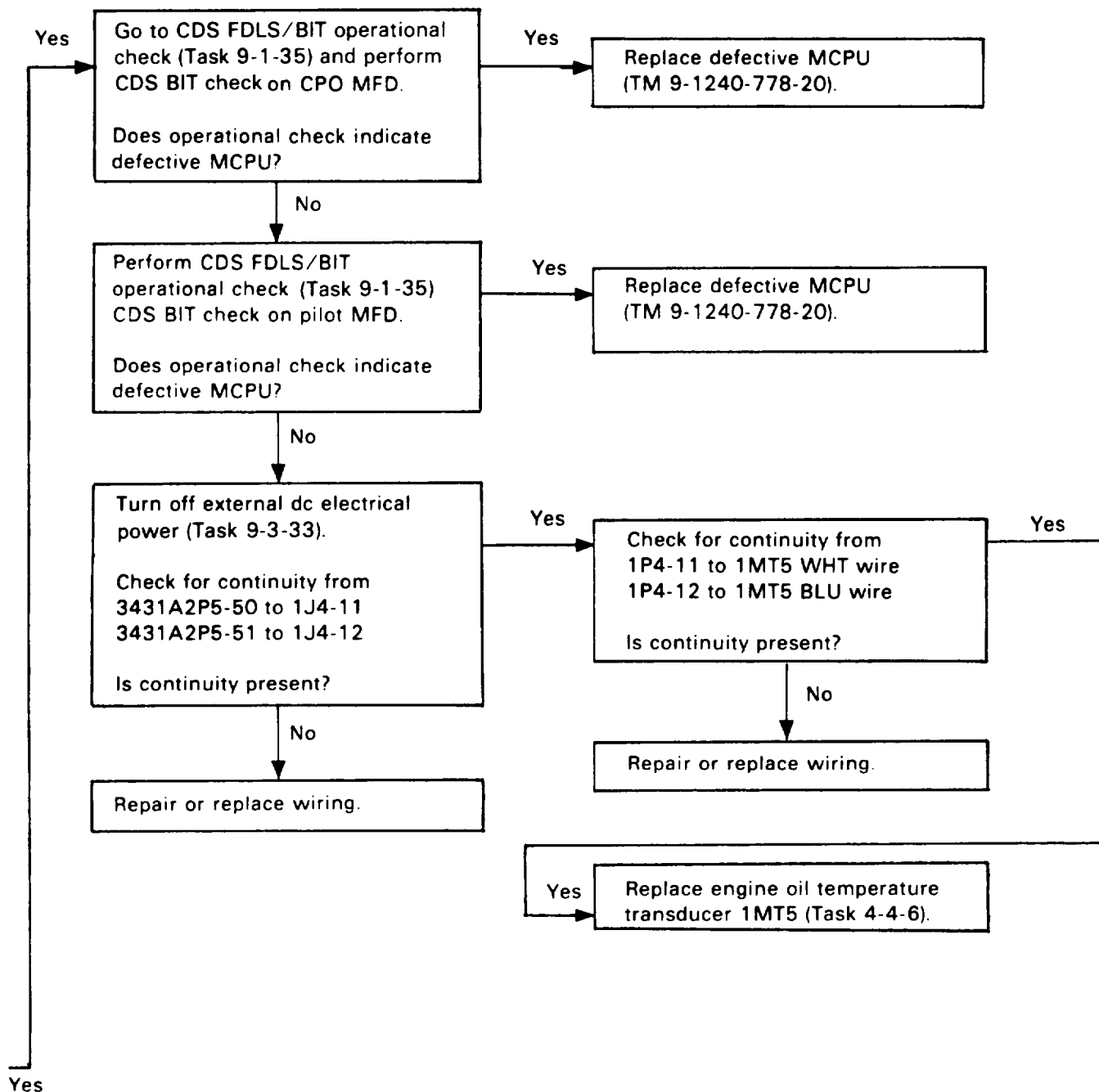


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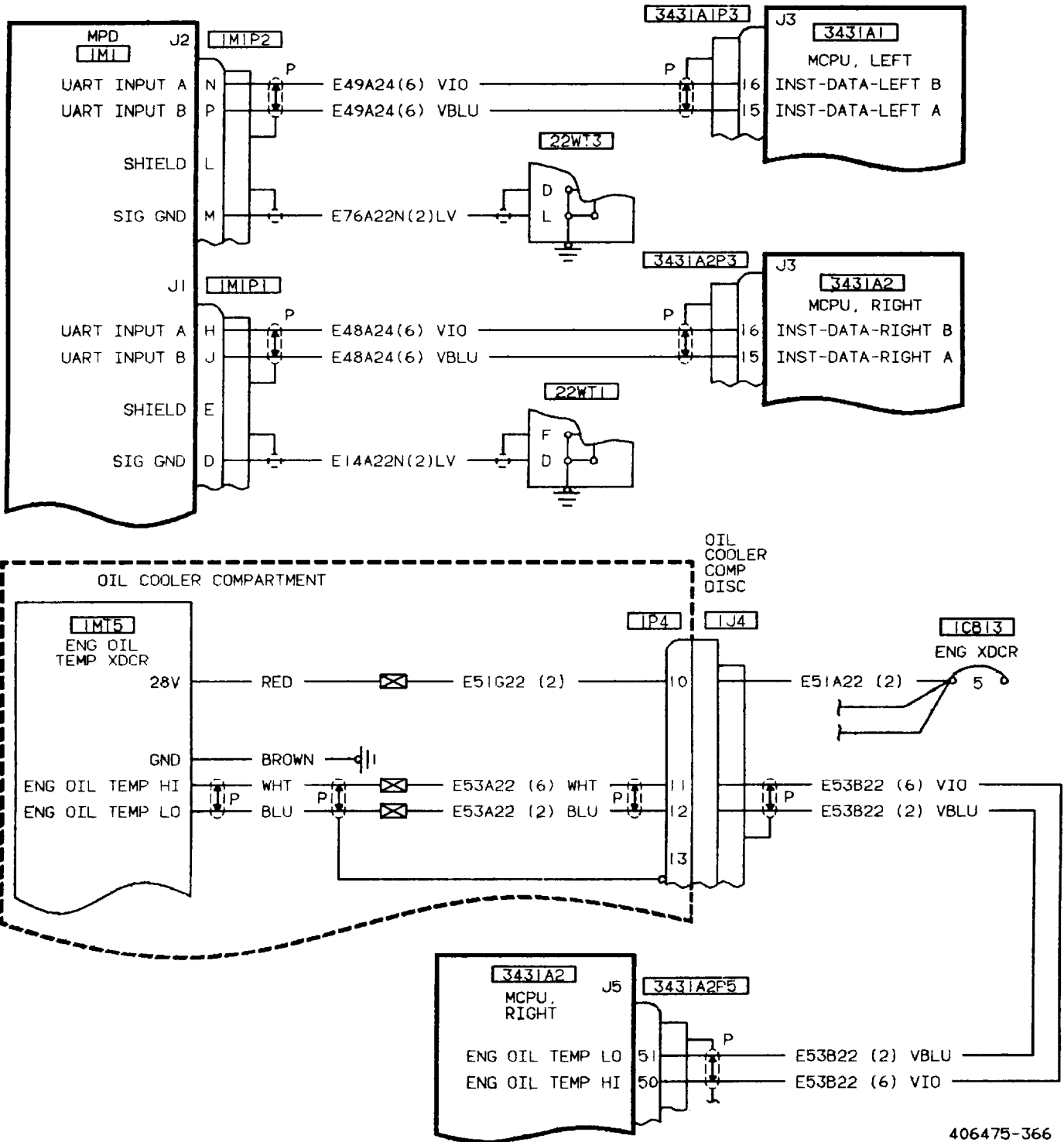
138. ENGINE OIL TEMPERATURE INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON)



138. ENGINE OIL TEMPERATURE INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

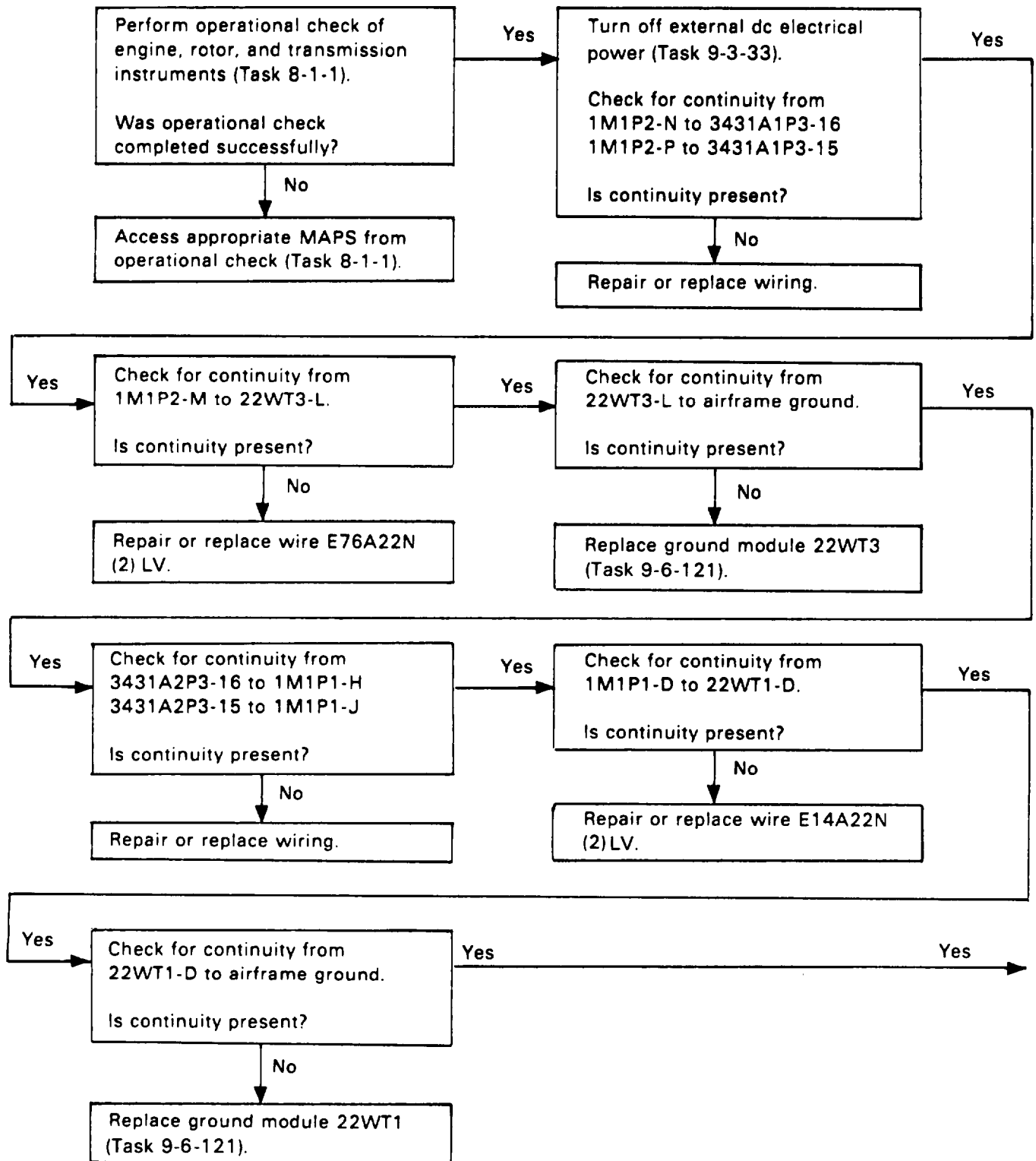


138. ENGINE OIL TEMPERATURE INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

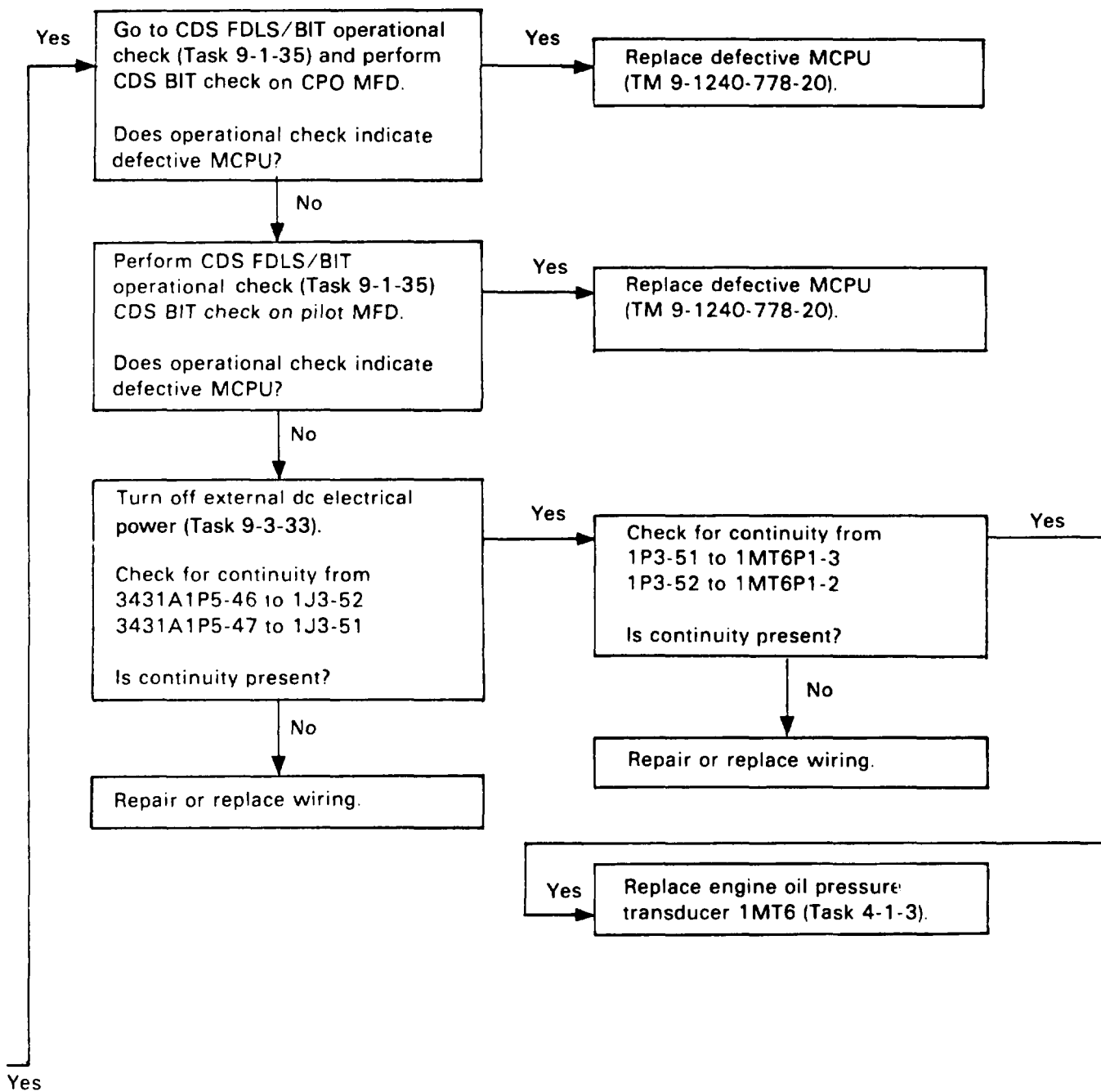


406475-366
H2085

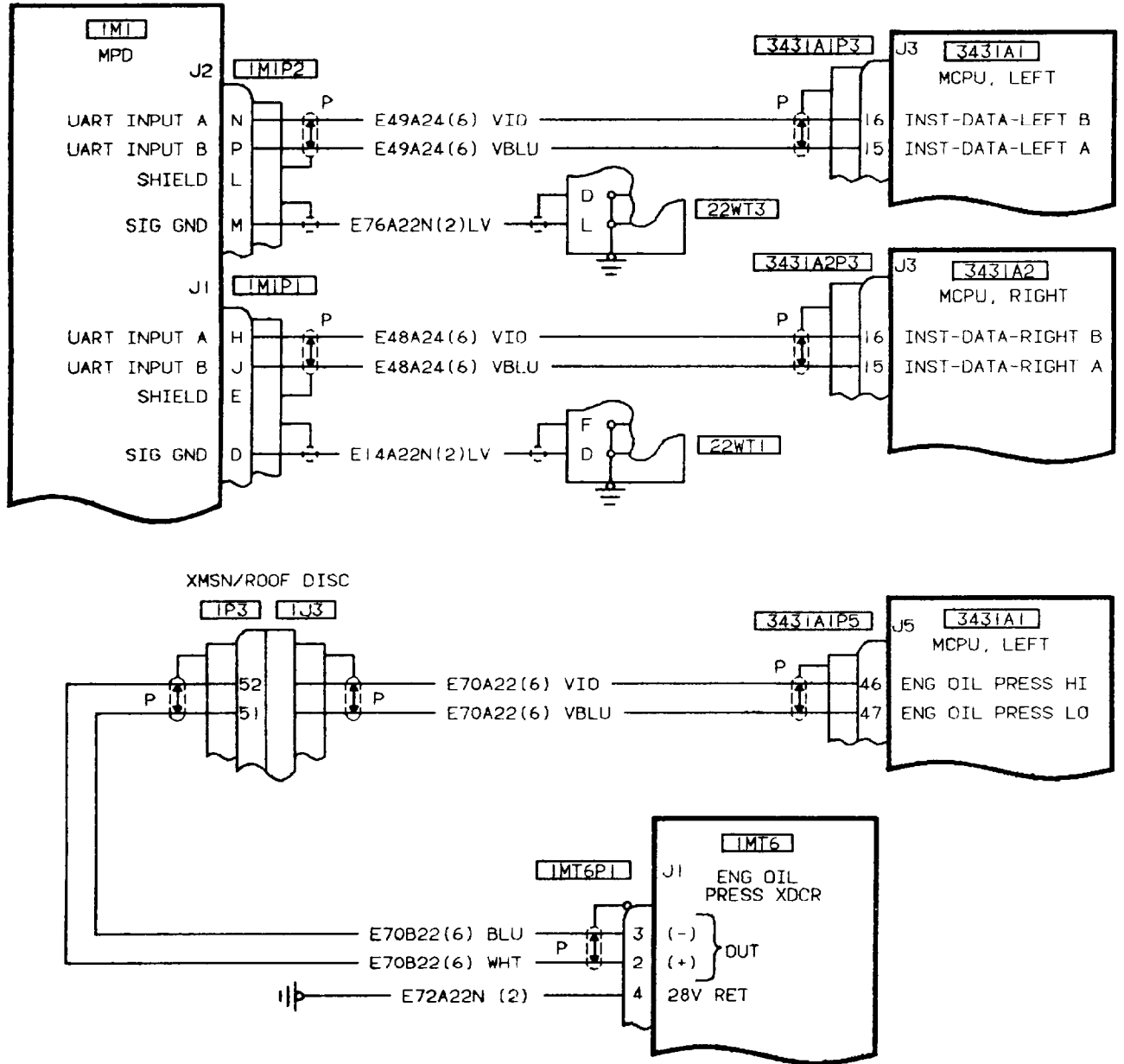
139. ENGINE OIL PRESSURE INDICATOR ON MPD DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON)



139. ENGINE OIL PRESSURE INDICATOR ON MPD DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

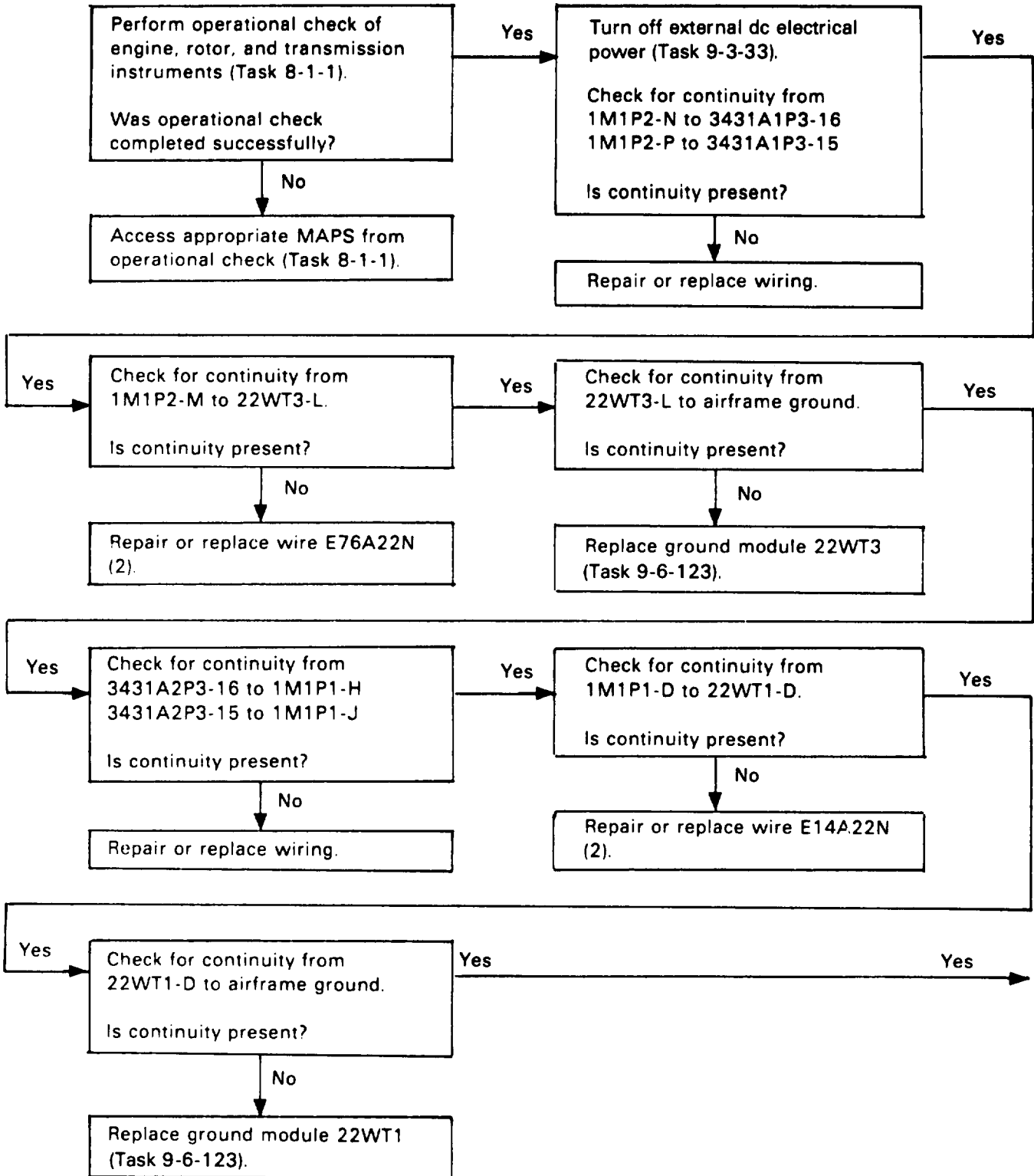


139. ENGINE OIL PRESSURE INDICATOR ON MPD DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

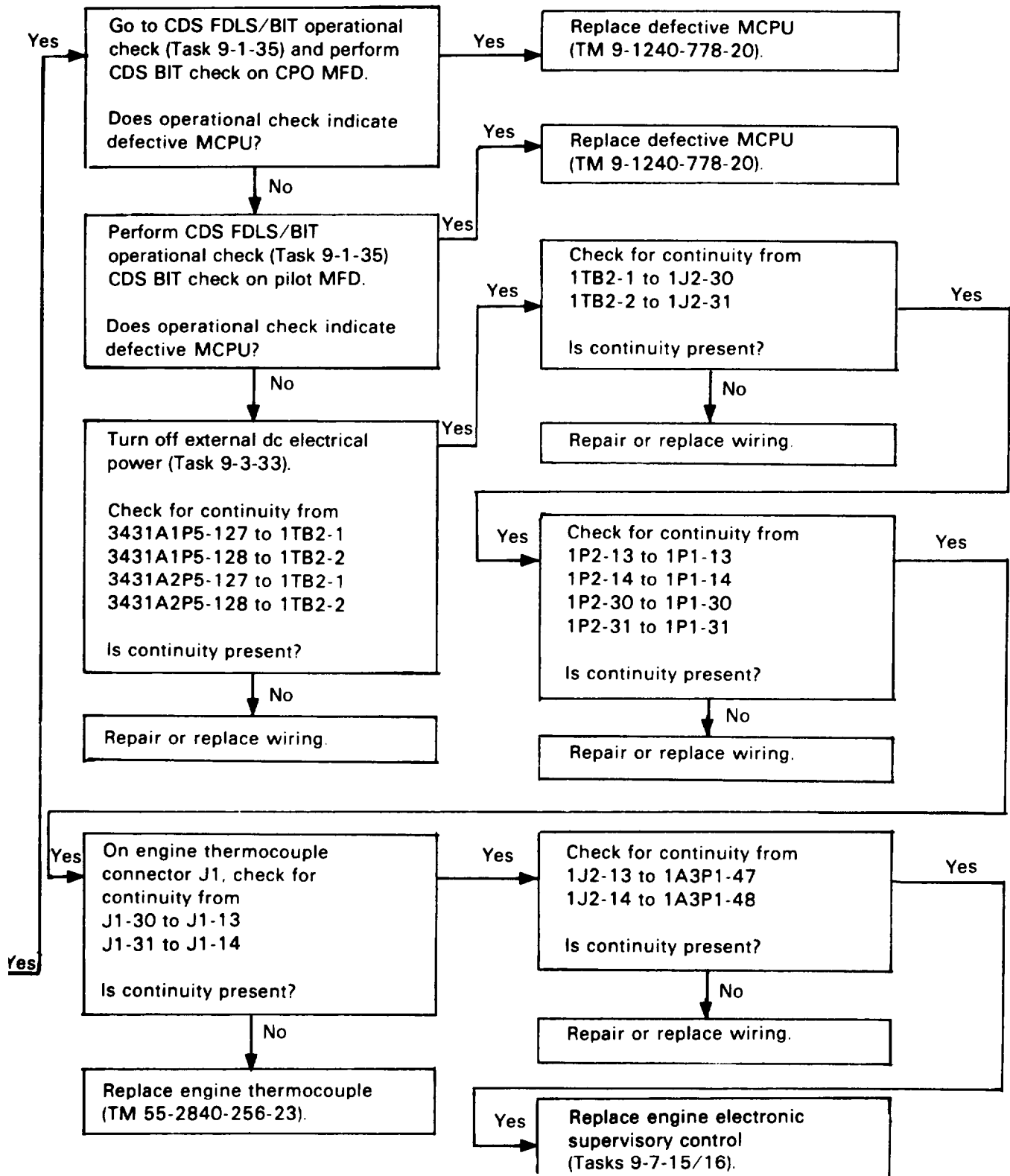


406475-365
H2085

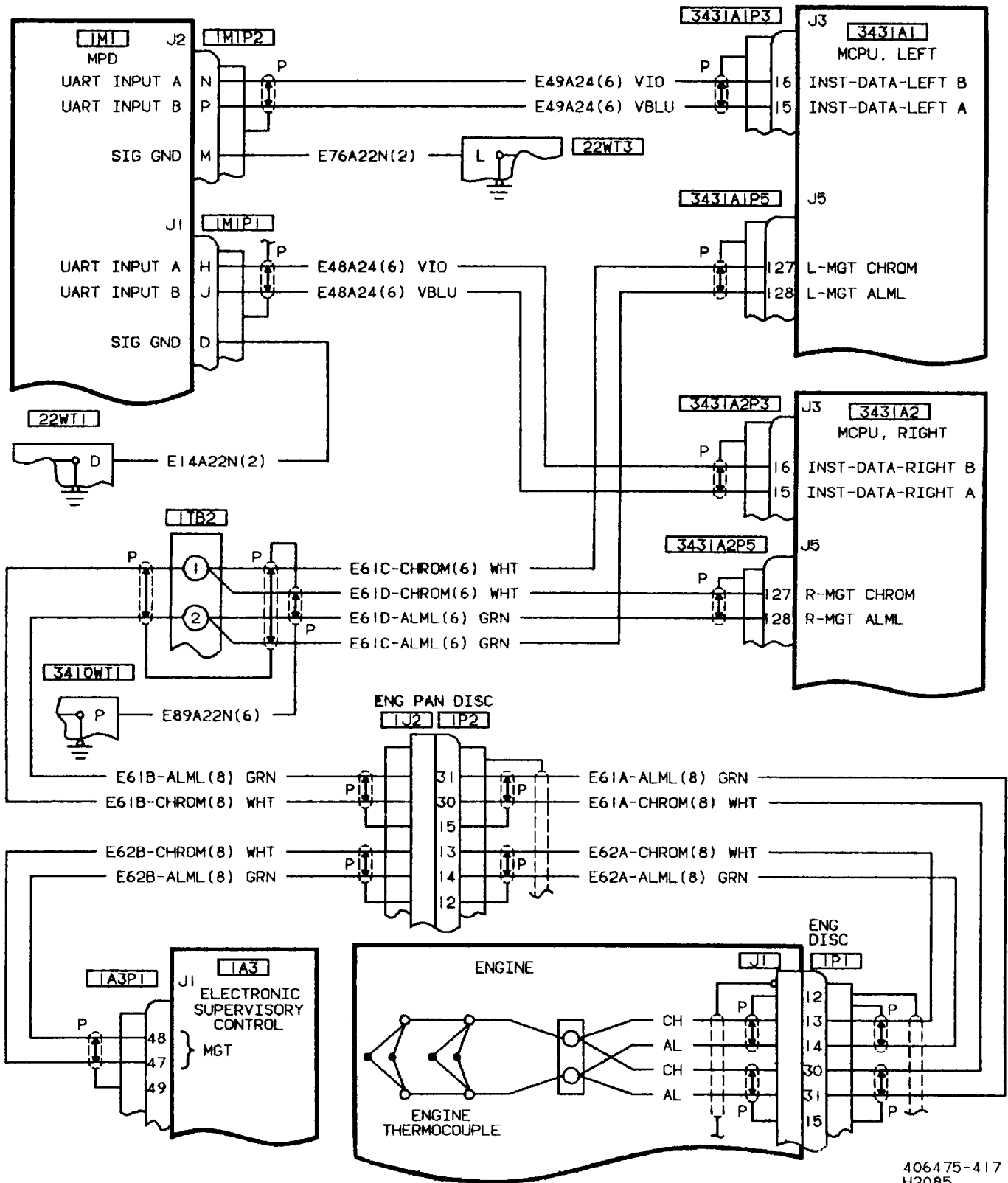
140. ENGINE TGT INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON)



140. ENGINE TGT INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

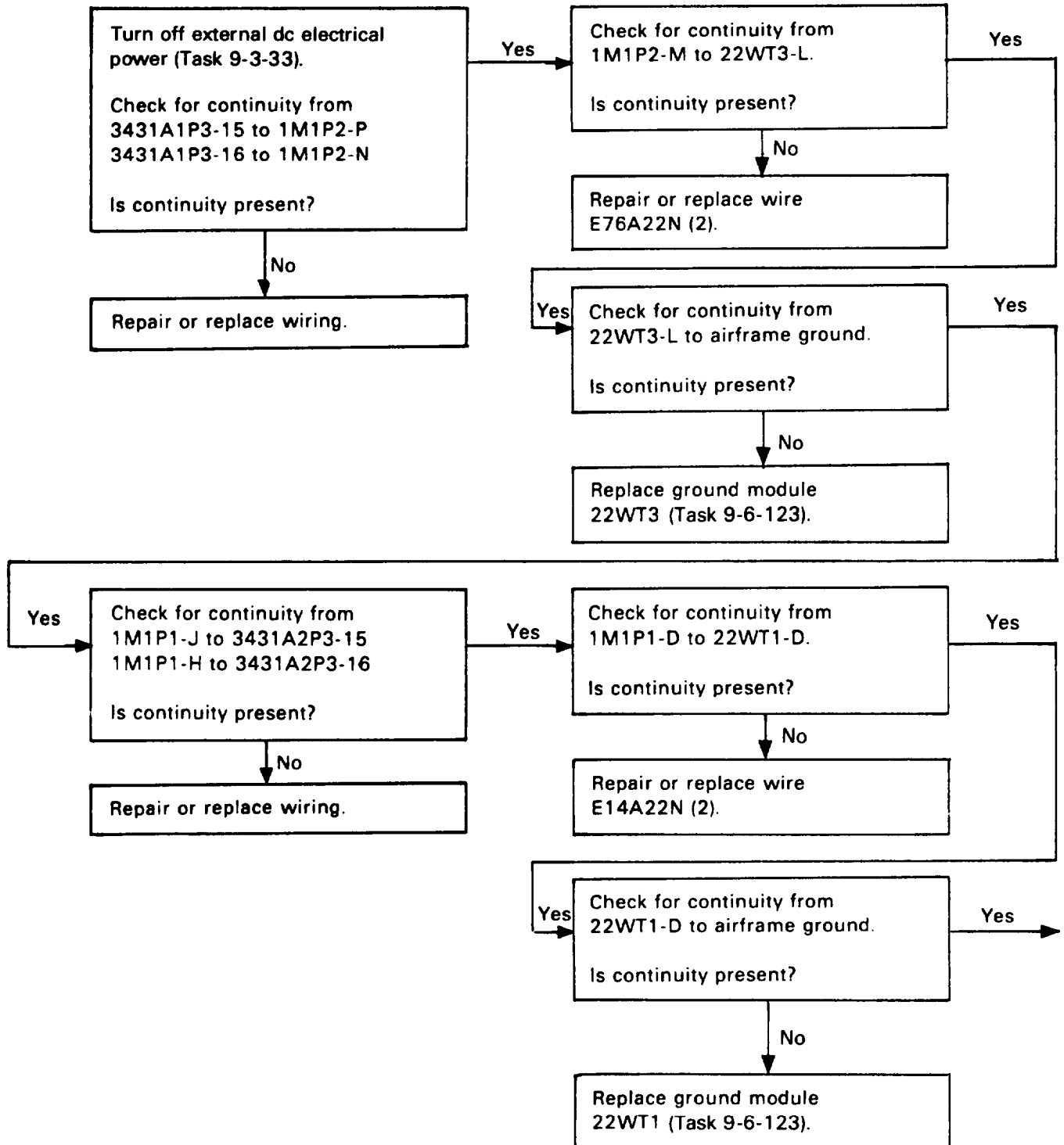


140. ENGINE TGT INDICATOR DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

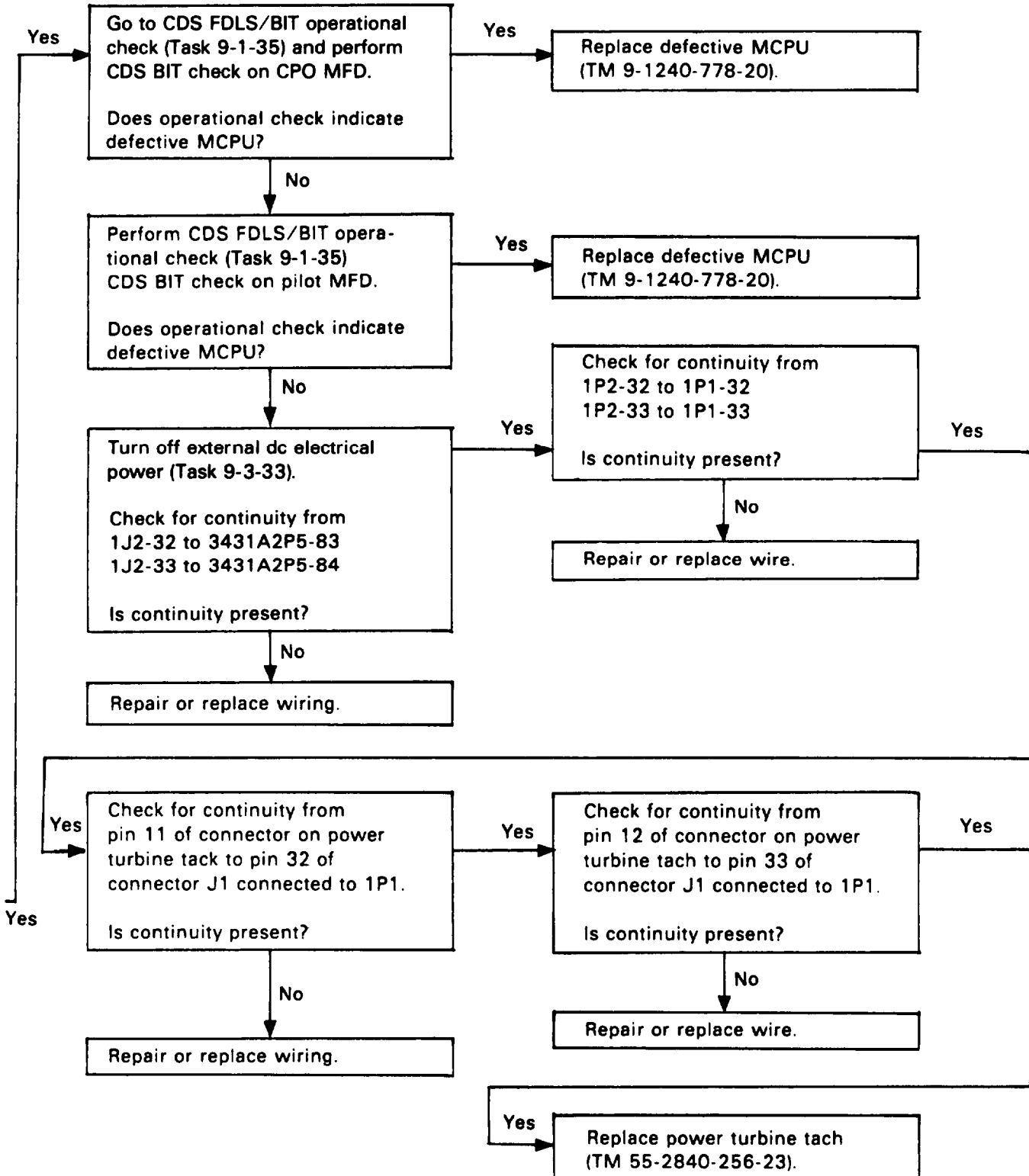


406475-417
H2085

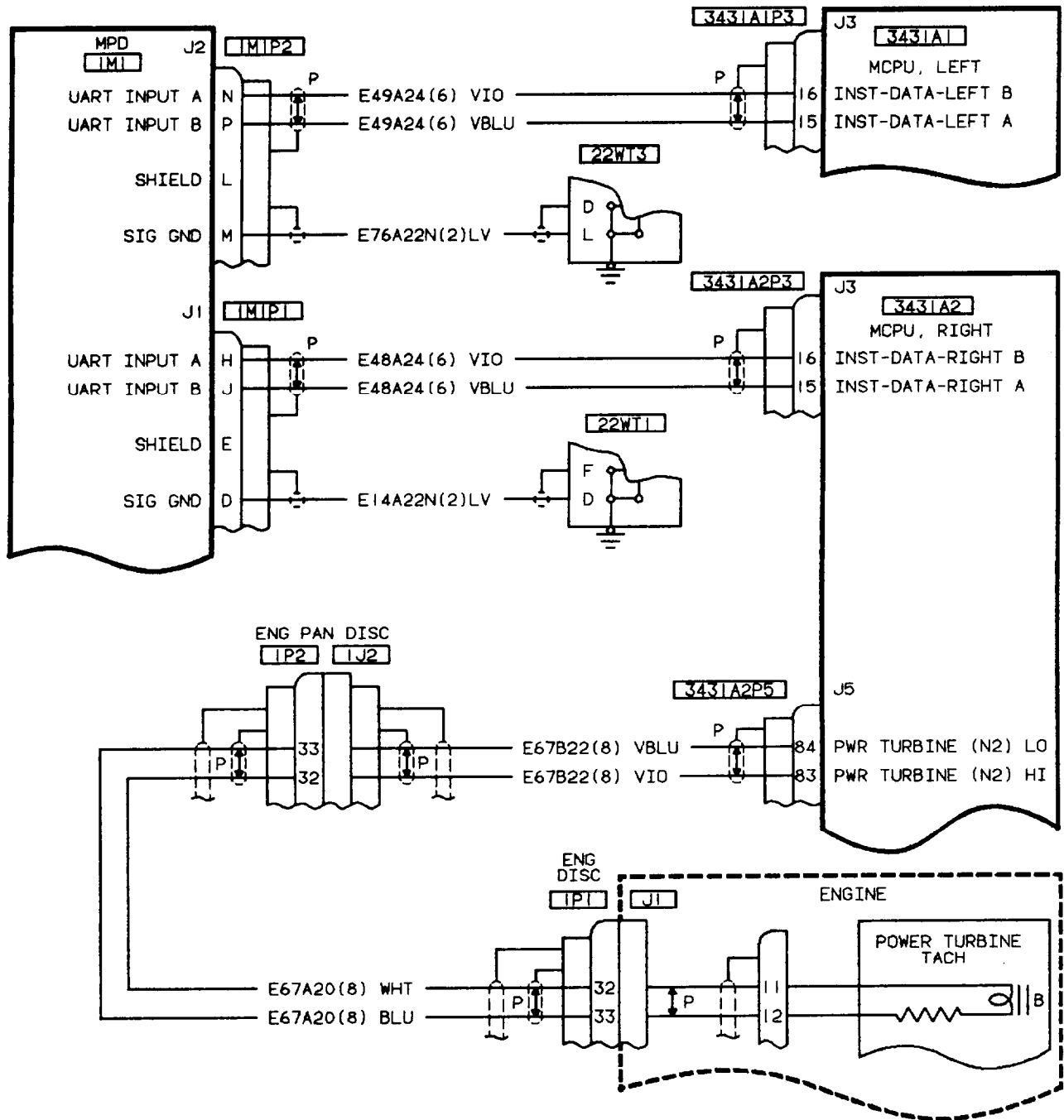
141. ENGINE NP RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 100% (HELICOPTER AT 100% RPM AND DC GENERATOR ON)



141. ENGINE NP RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 100% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

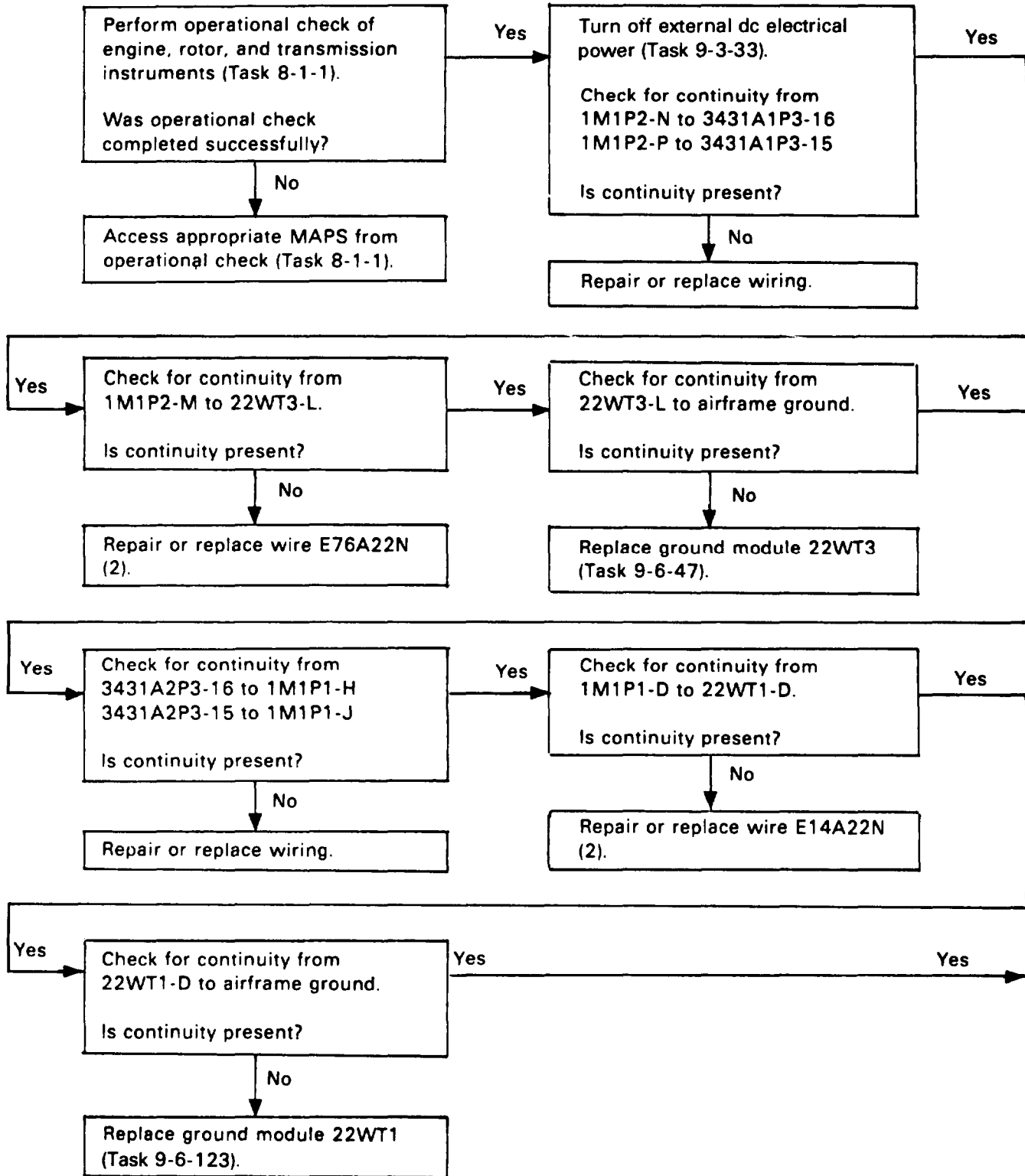


141. ENGINE NP RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 100% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

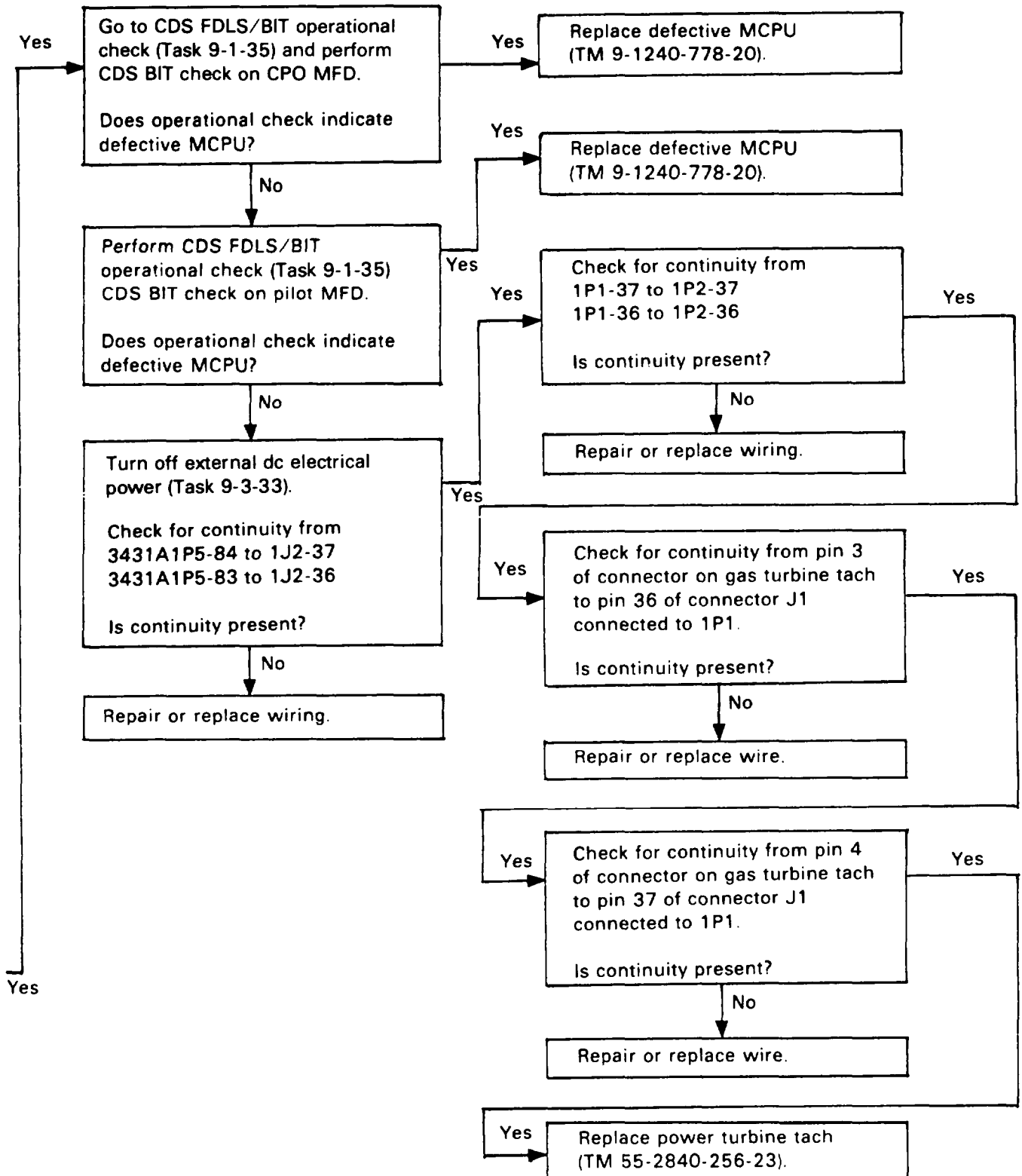


406475-367
G6347

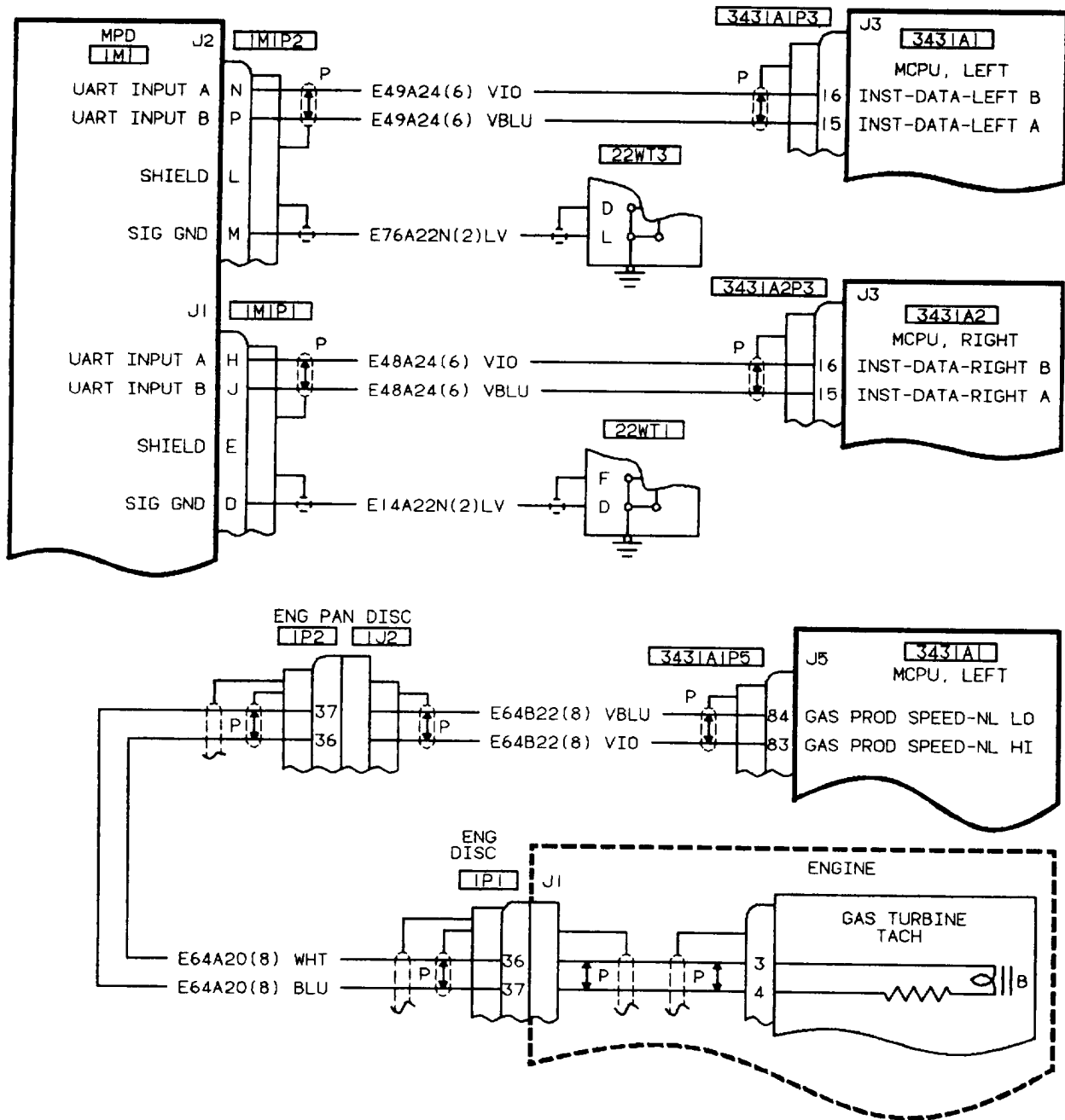
142. ENGINE NG RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 85% (HELICOPTER AT 100% RPM AND DC GENERATOR ON)



142. ENGINE NG RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 85% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

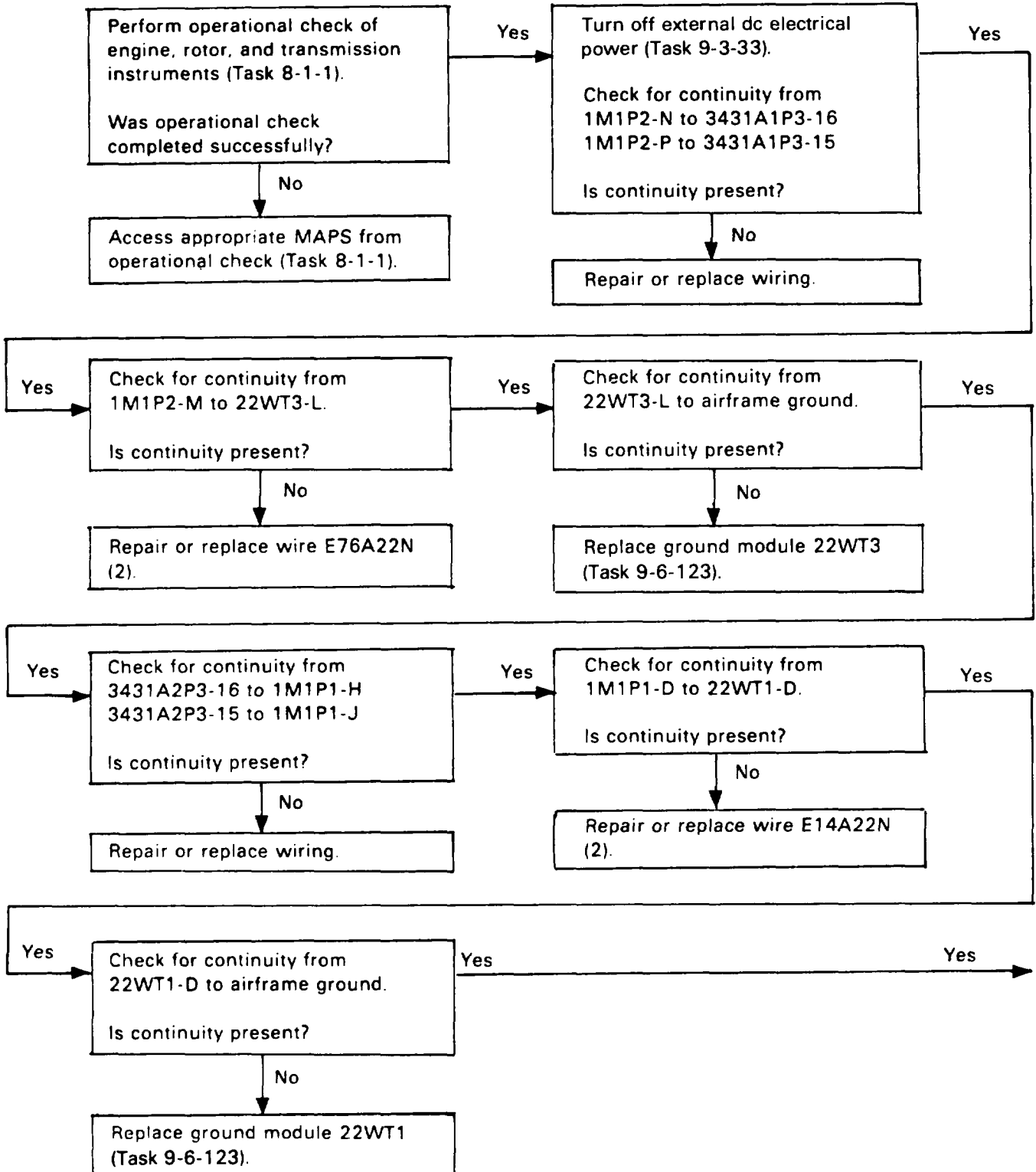


142. ENGINE NG RPM INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 85% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

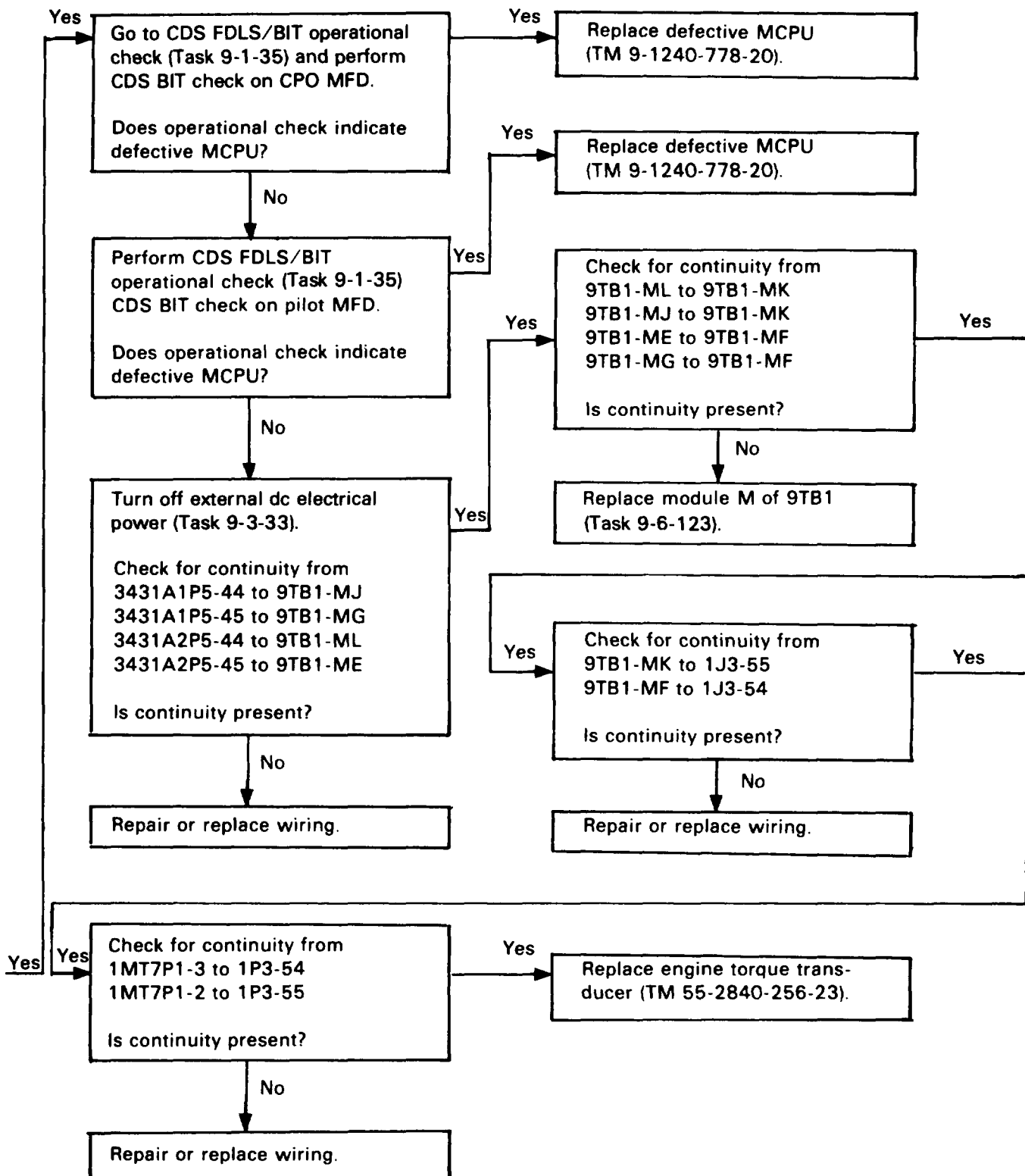


406475-368

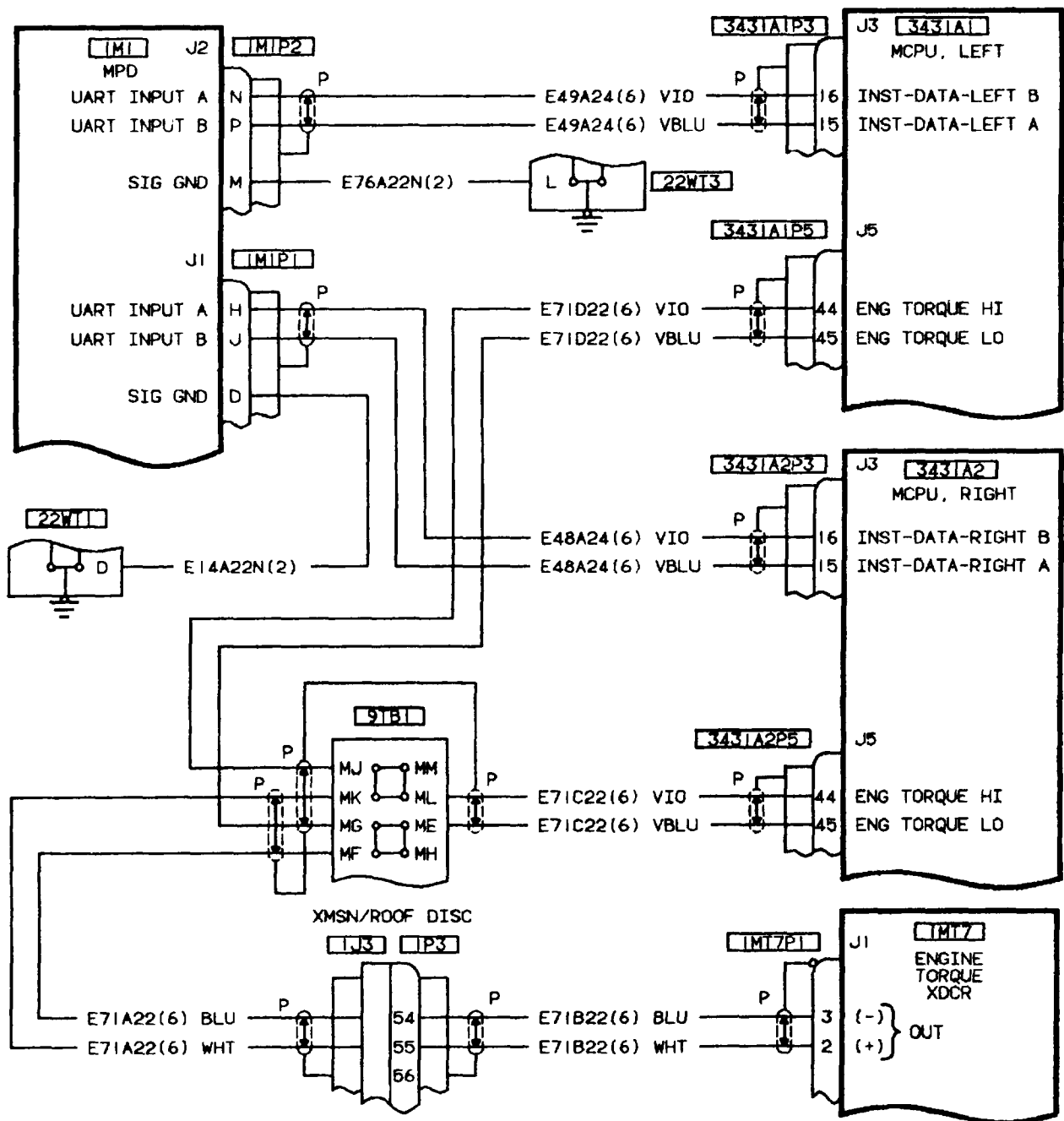
143. ENGINE TORQUE INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 24% (HELICOPTER AT 100% RPM AND DC GENERATOR ON)



143. ENGINE TORQUE INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 24% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

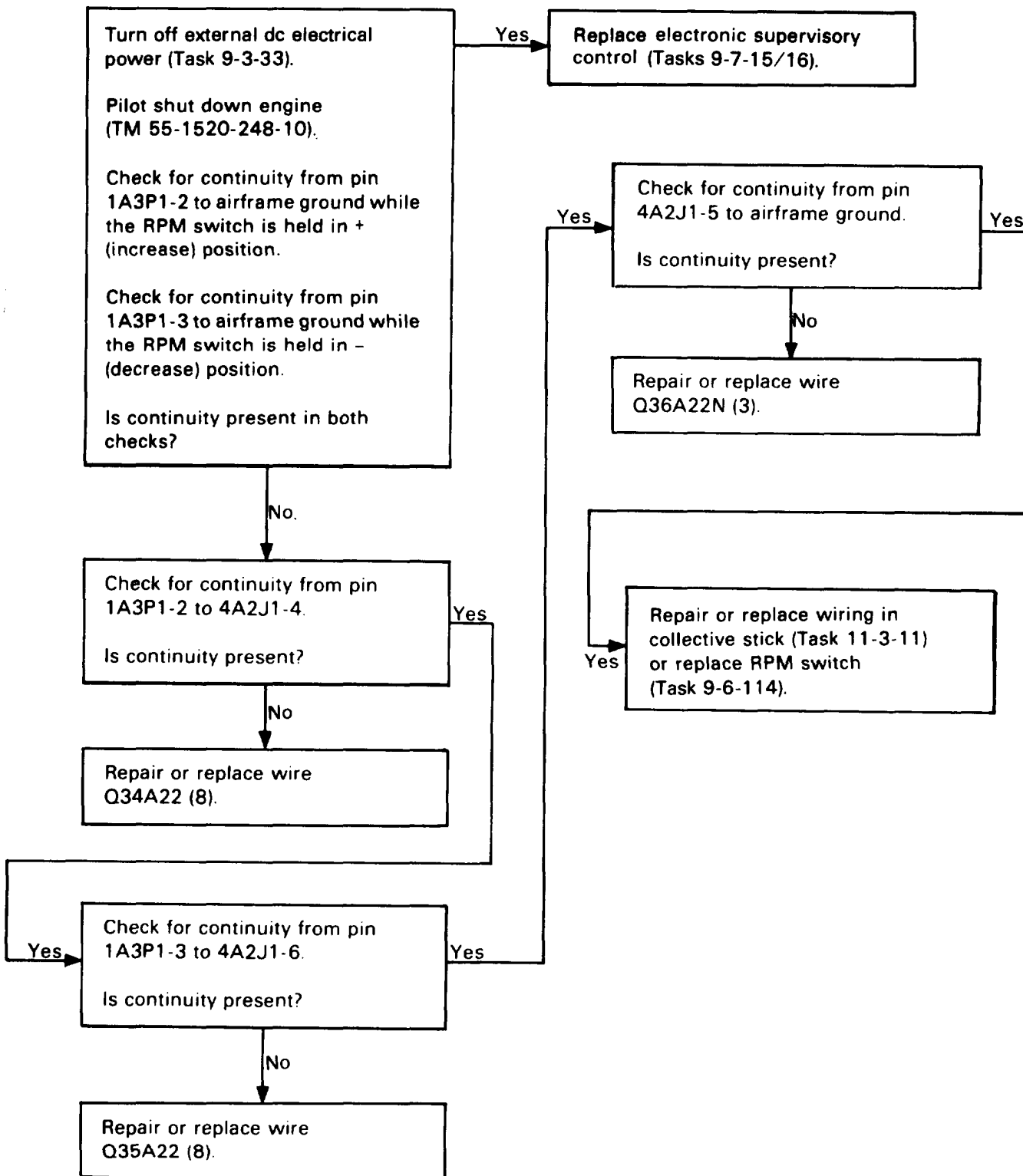


143. ENGINE TORQUE INDICATOR (DIGITAL) ON MPD DOES NOT INDICATE APPROXIMATELY 24% (HELICOPTER AT 100% RPM AND DC GENERATOR ON) (CONT)

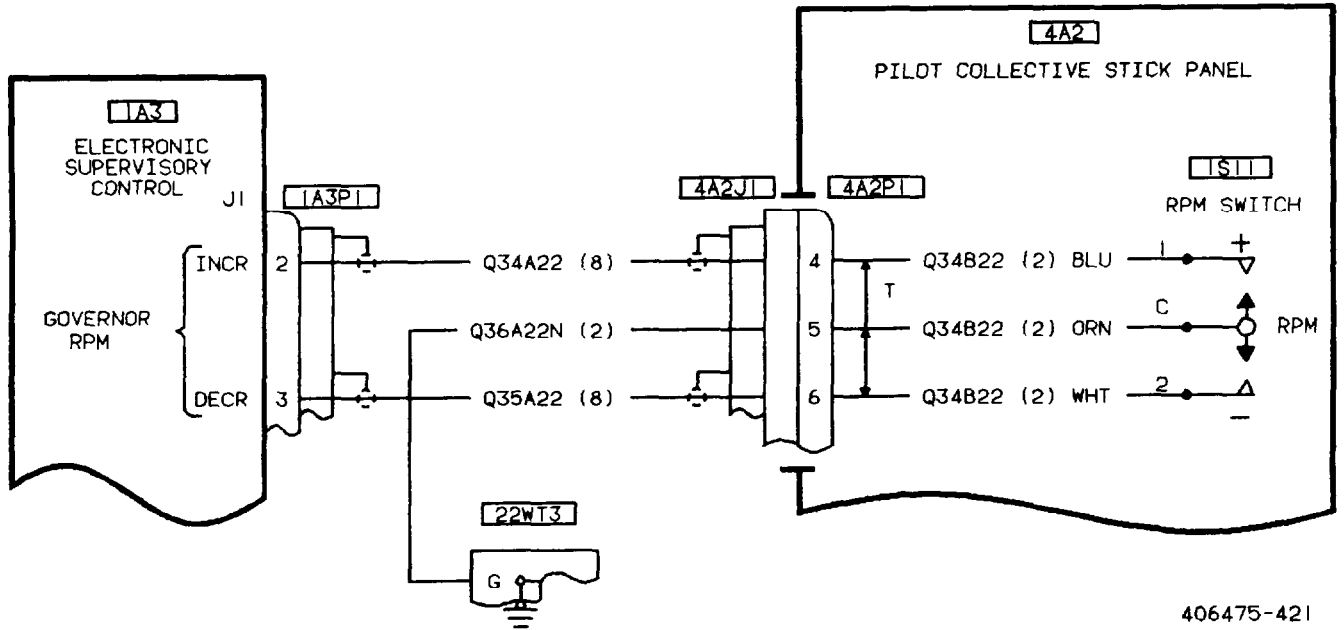


406475-418
H2085

144. RPM SWITCH DOES NOT INCREASE AND/OR DECREASE ENGINE RPM

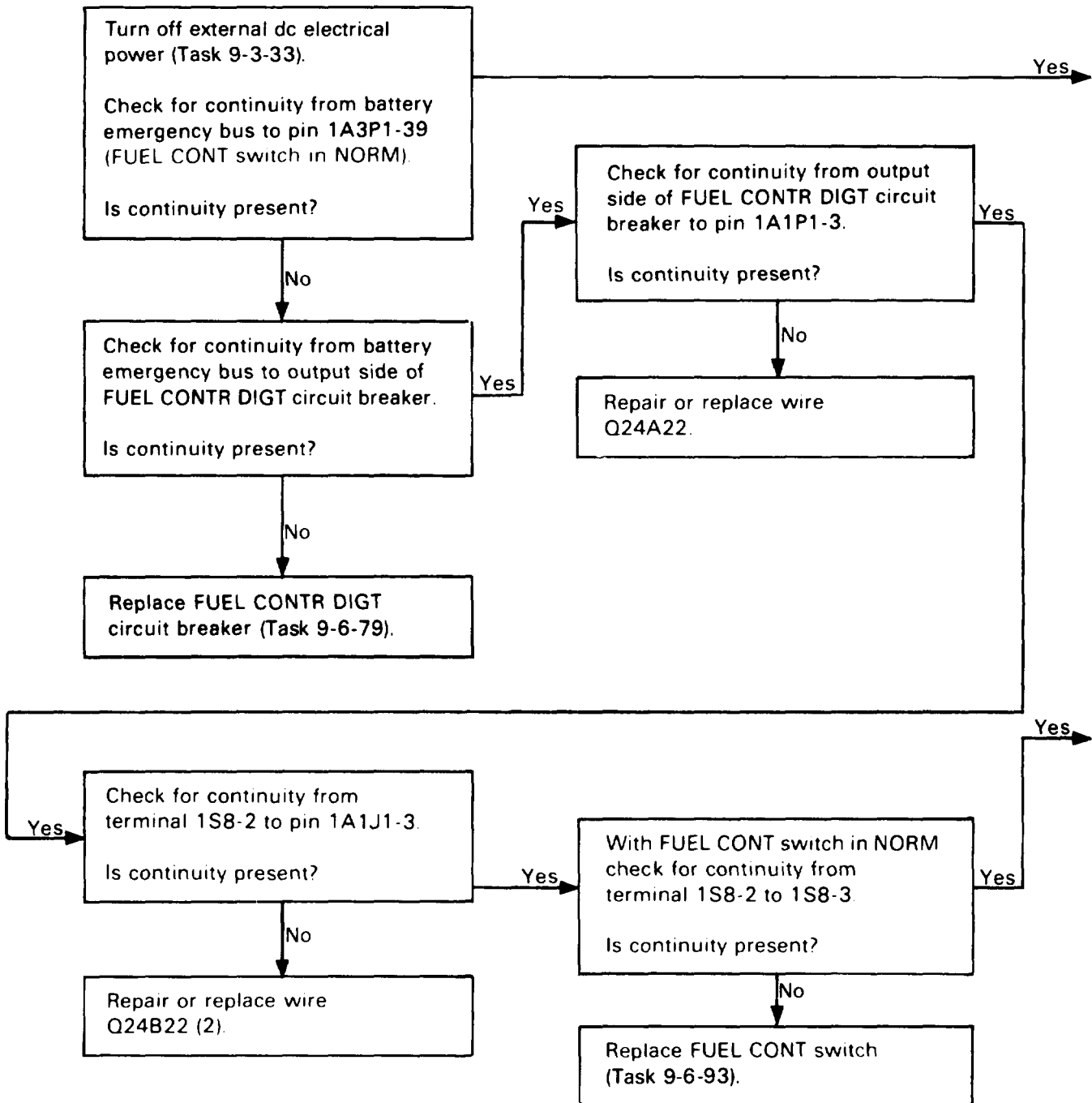


144. RPM SWITCH DOES NOT INCREASE AND/OR DECREASE ENGINE RPM (CONT)

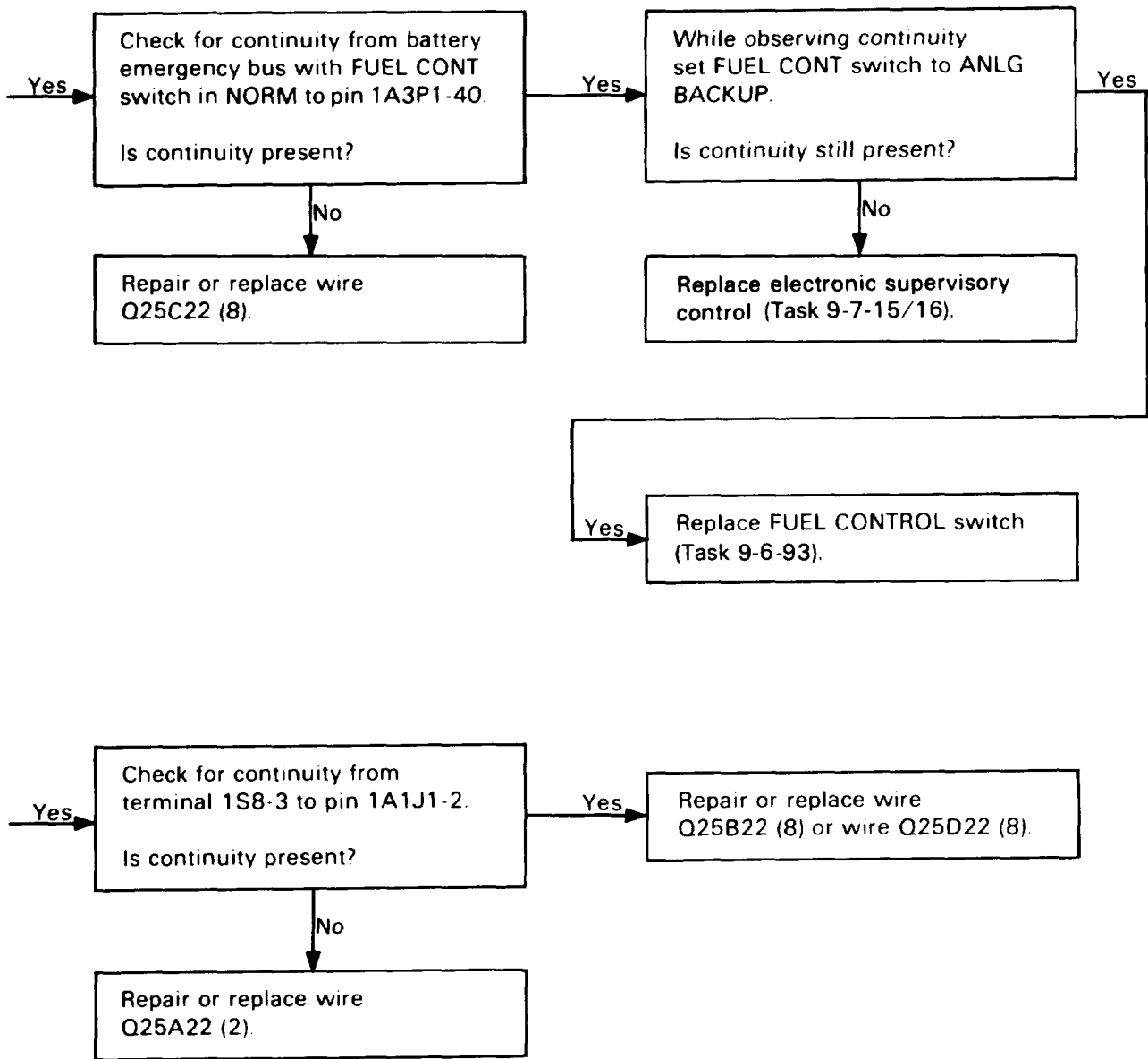


406475-421

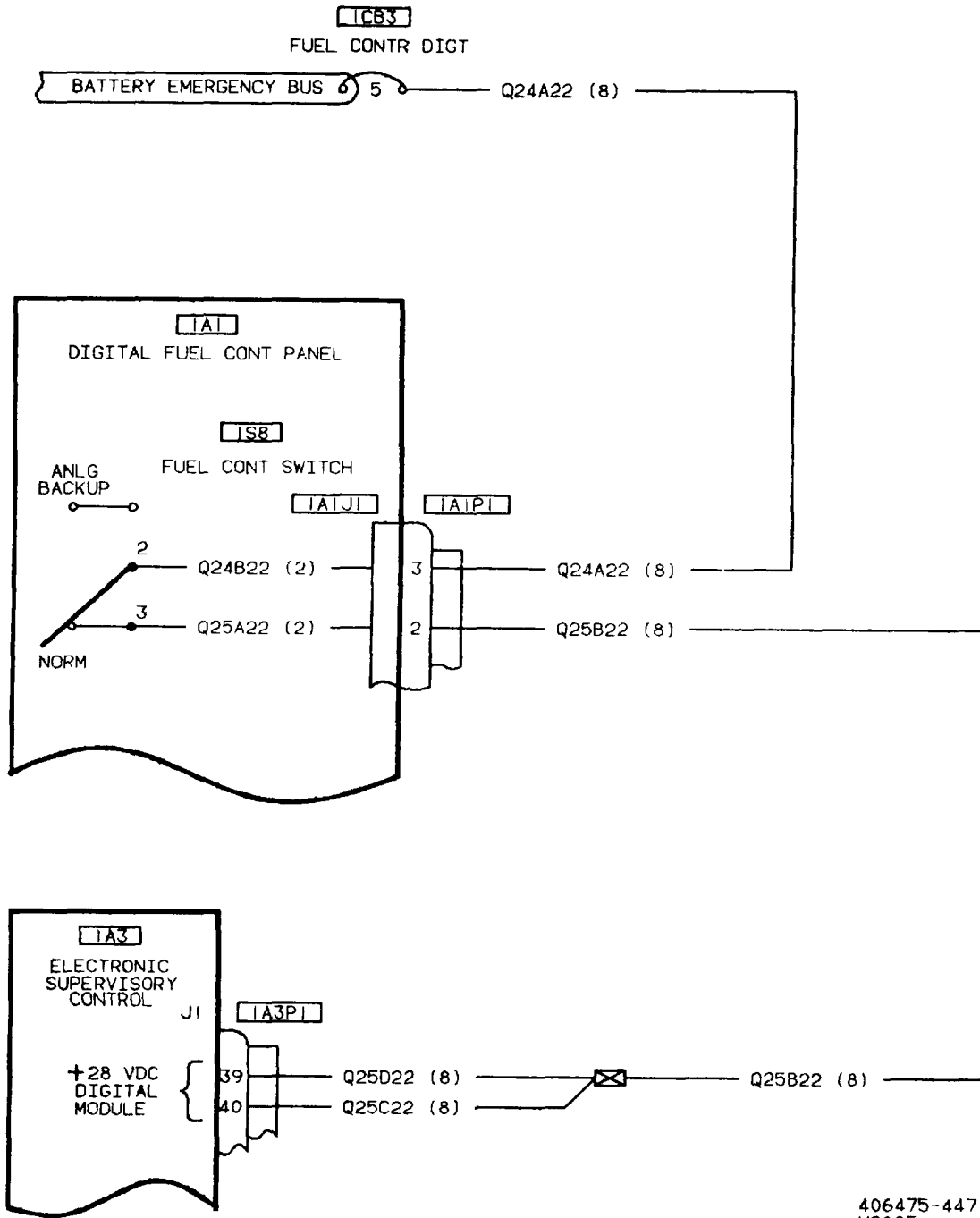
145. FUEL CONTROL DOES NOT SWITCH TO ANALOG BACKUP



145. FUEL CONTROL DOES NOT SWITCH TO ANALOG BACKUP (CONT)

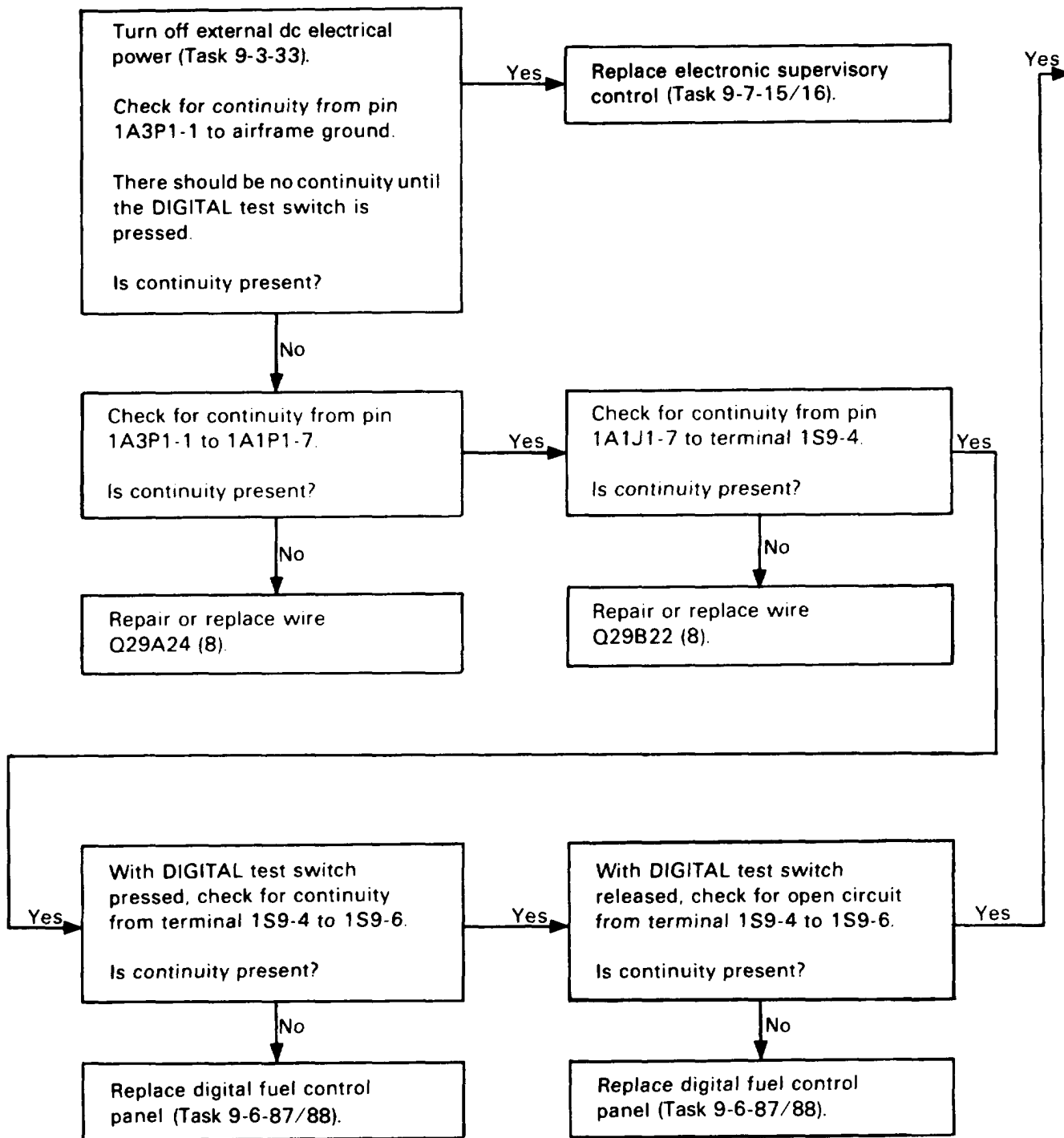


145. FUEL CONTROL DOES NOT SWITCH TO ANALOG BACKUP (CONT)

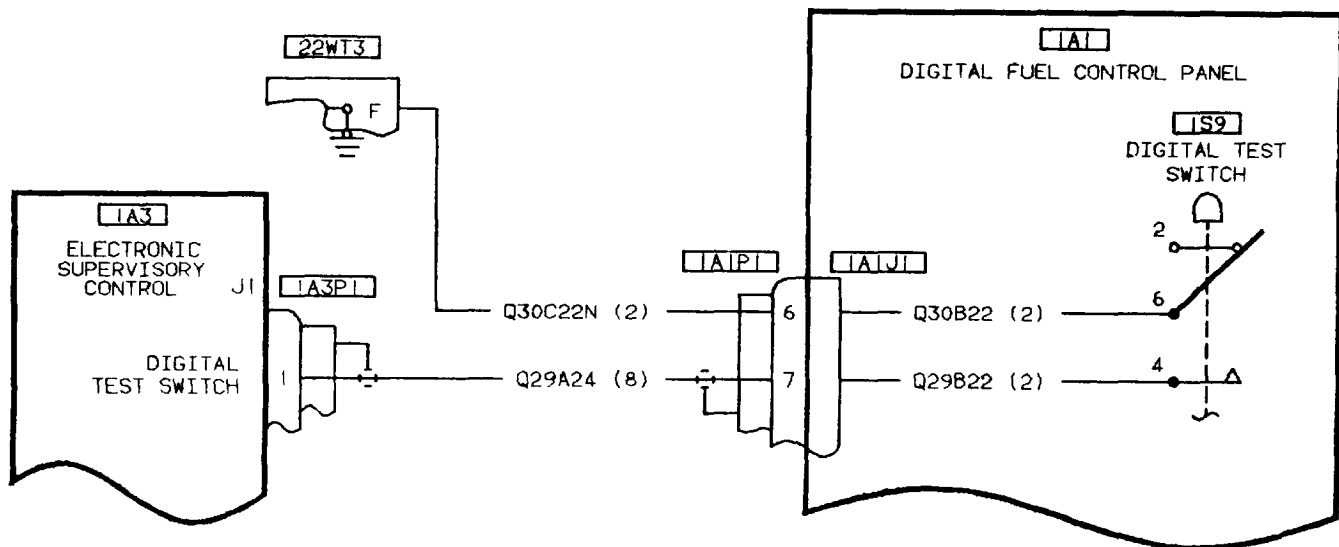
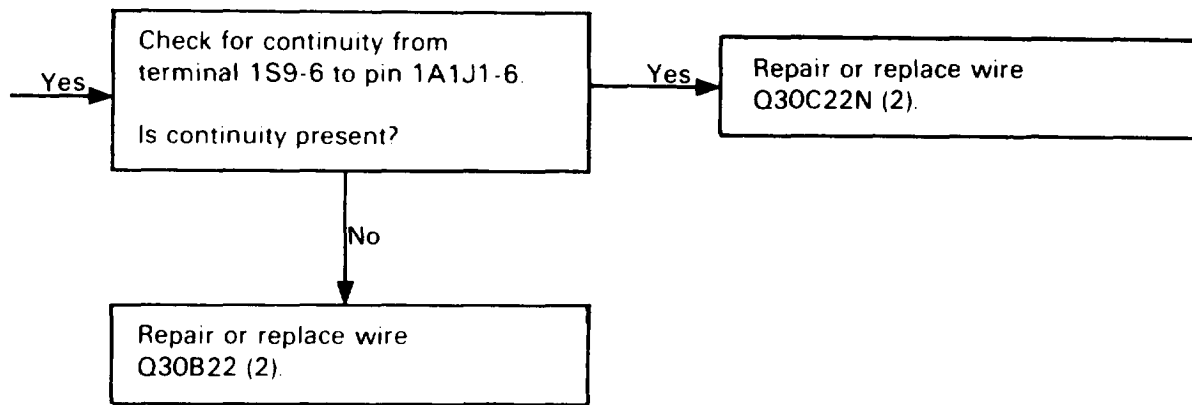


406475-447
H2085

146. DIGITAL TEST SWITCH DOES NOT CAUSE ENGINE DECELERATION WHEN PRESSED

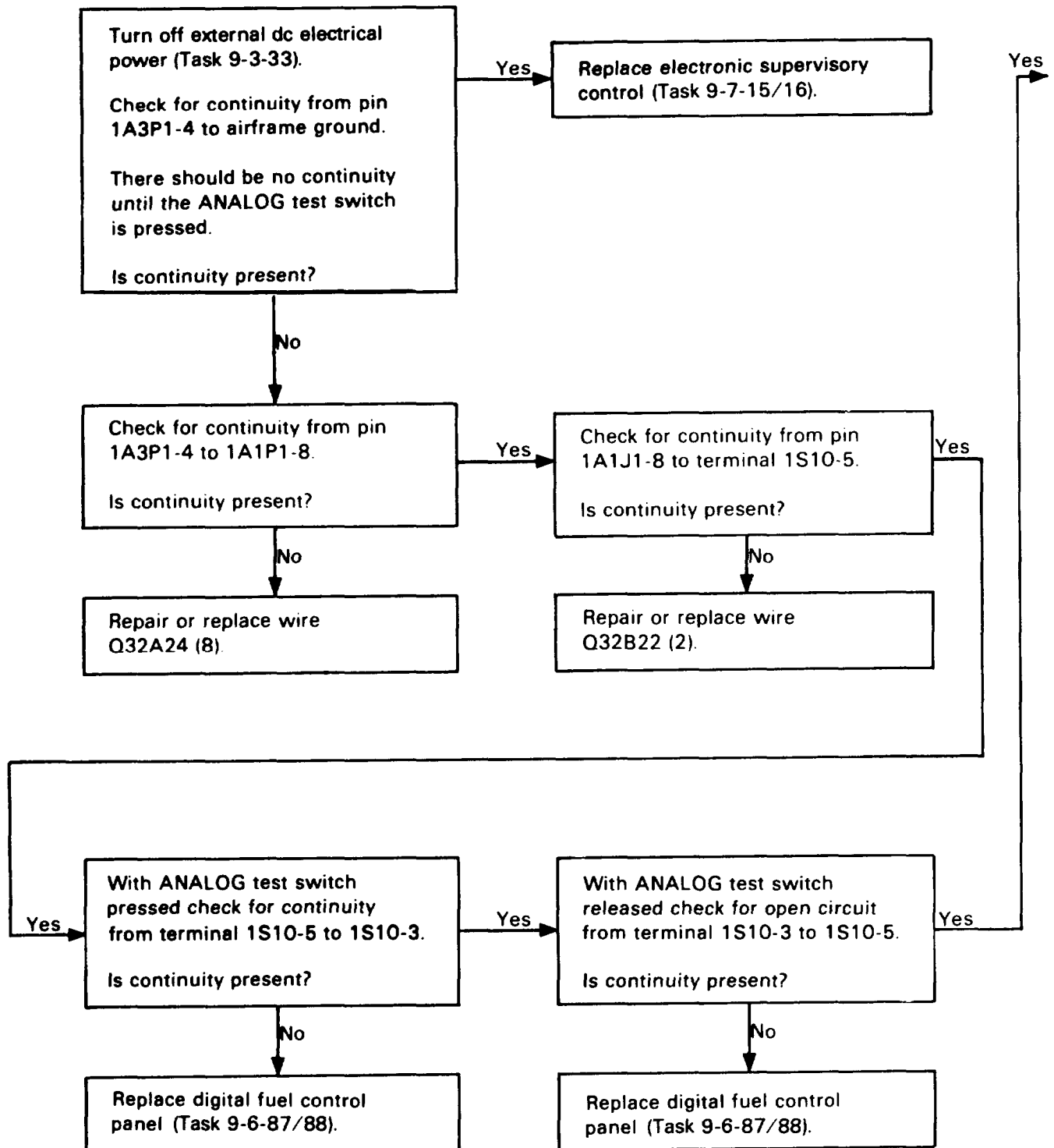


146. DIGITAL TEST SWITCH DOES NOT CAUSE ENGINE DECELERATION WHEN PRESSED (CONT)

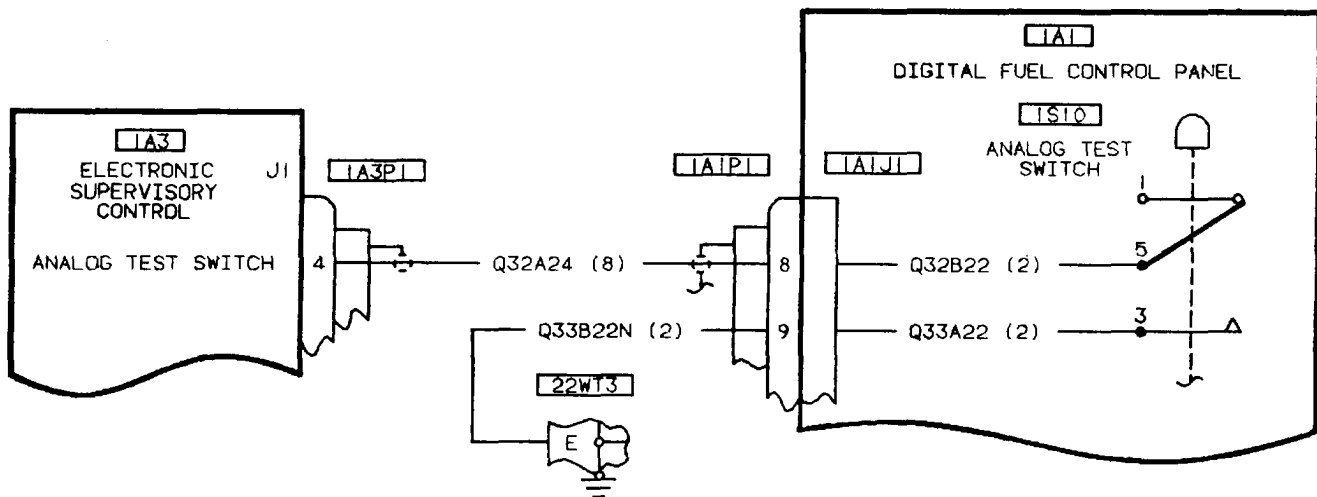
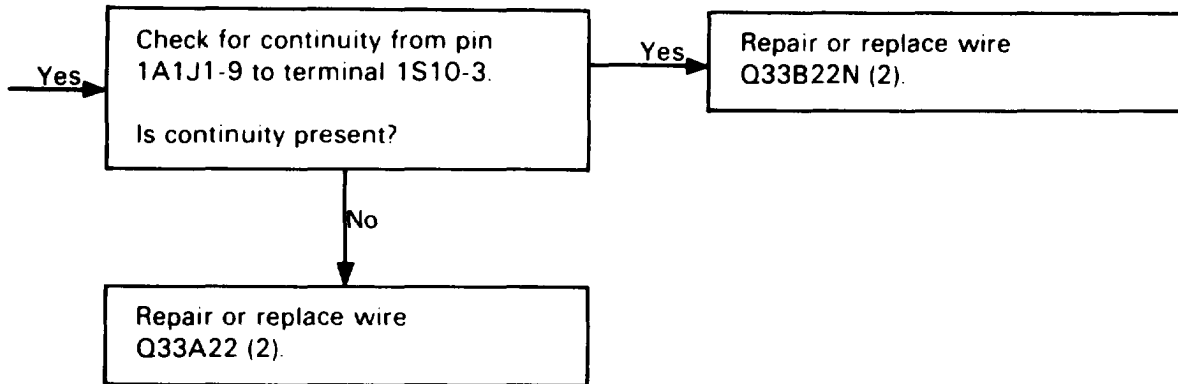


406475-420
H2085

147. ANALOG TEST SWITCH DOES NOT CAUSE ENGINE DECELERATION WHEN PRESSED

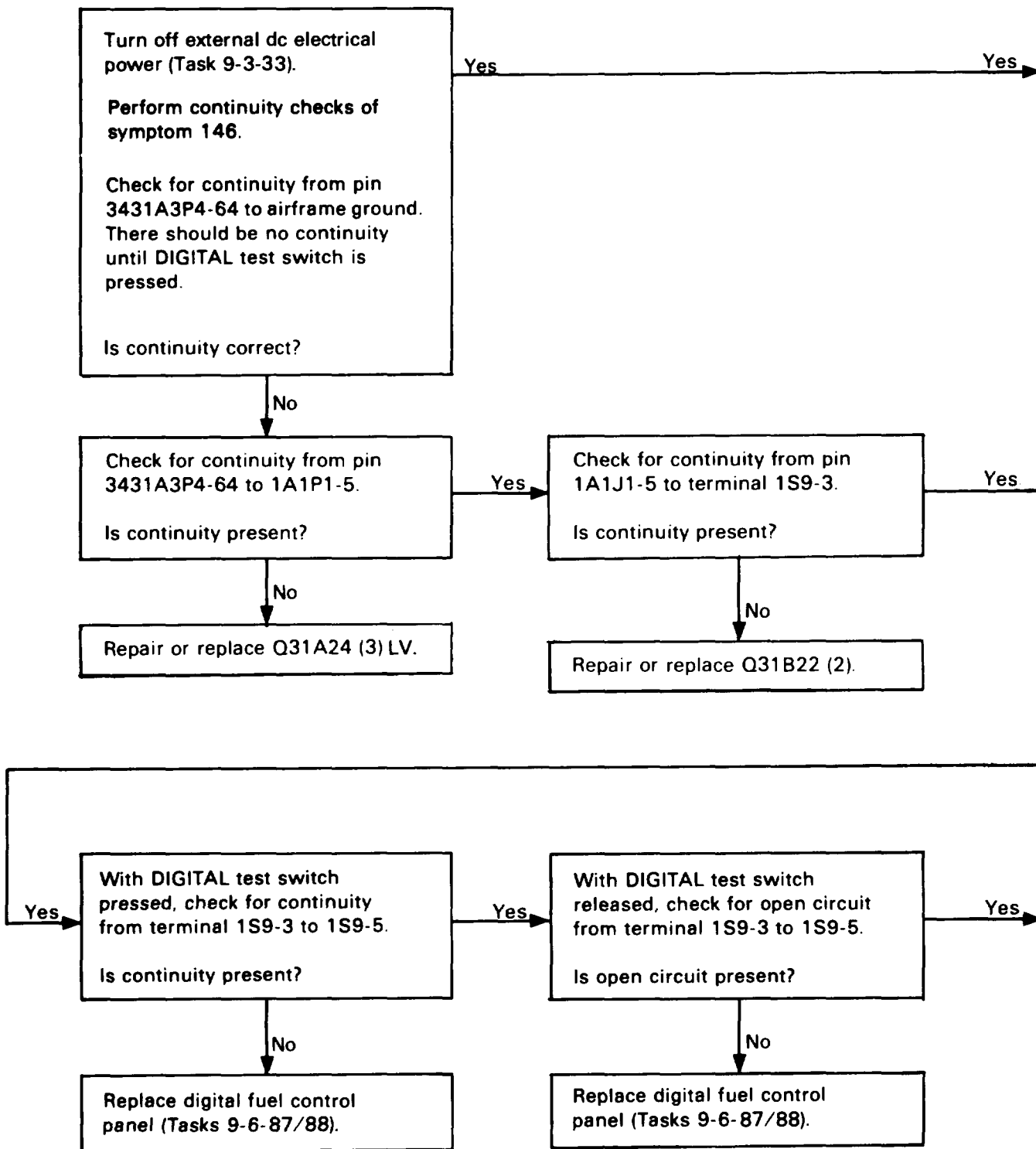


147. ANALOG TEST SWITCH DOES NOT CAUSE ENGINE DECELERATION WHEN PRESSED (CONT)

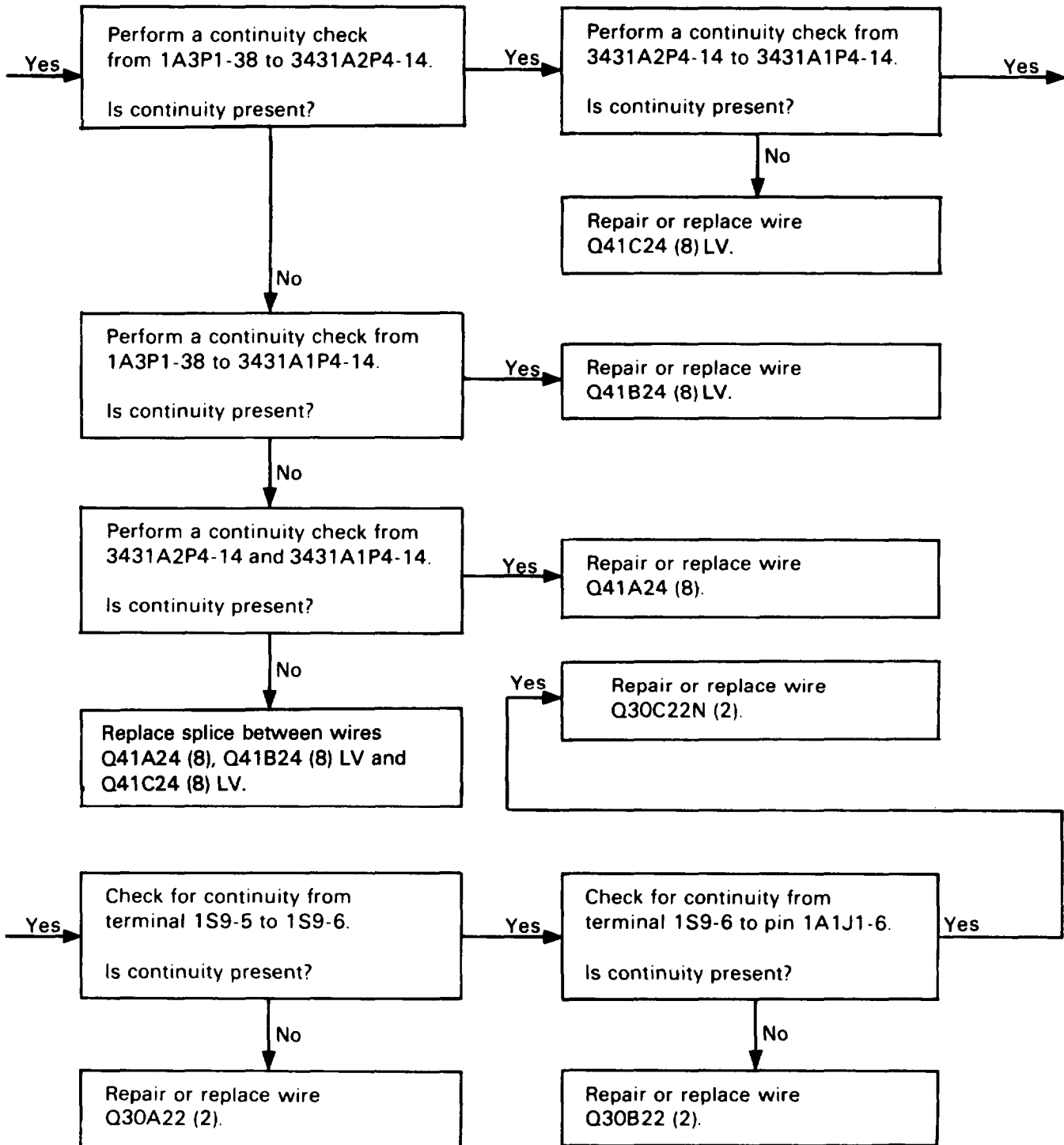


406475-419
H2086

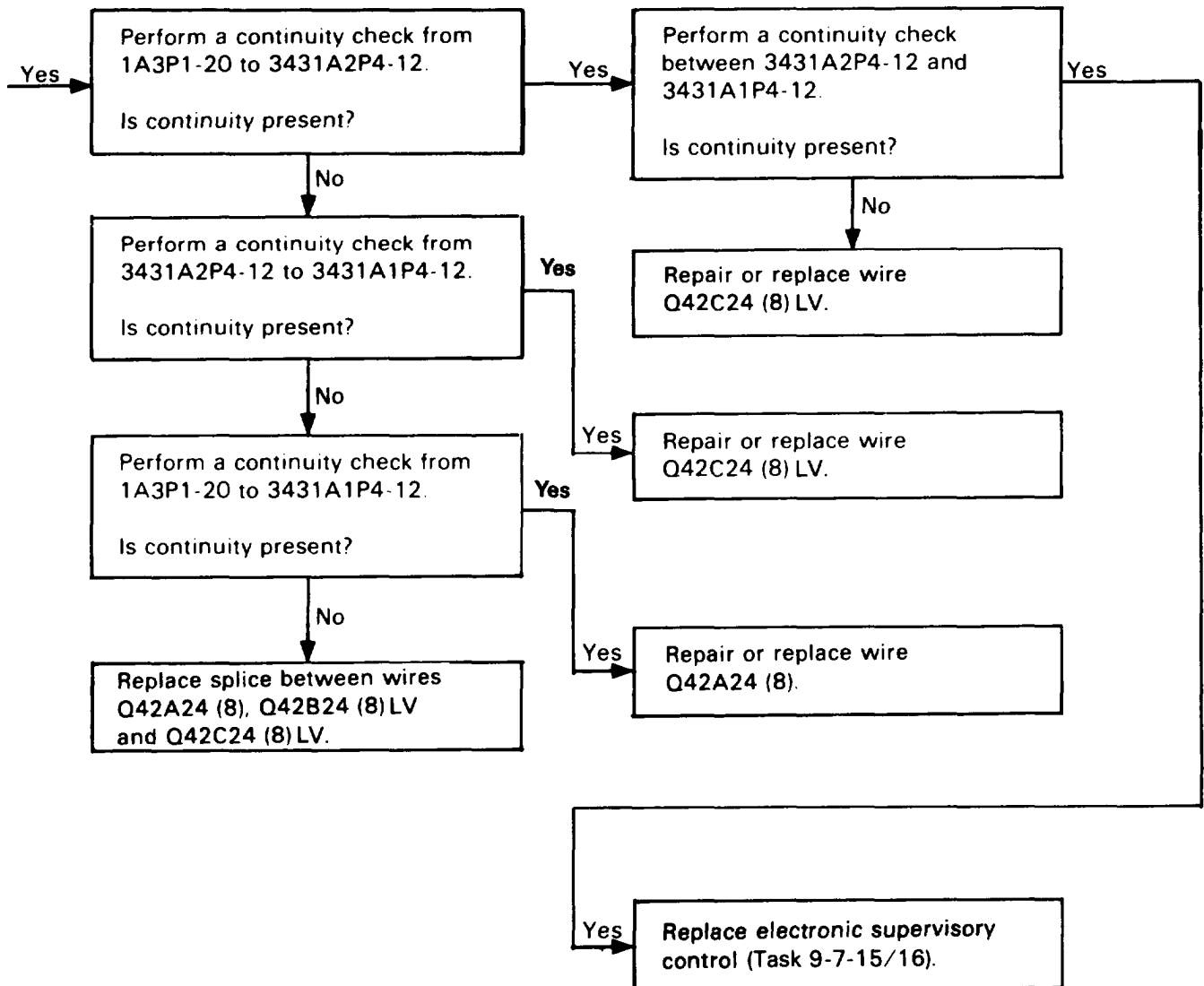
148. BIT PAGE DOES NOT DISPLAY GO, NO GO OR FUEL CONTROL ADVISORY AFTER DIGITAL TEST SWITCH IS PRESSED



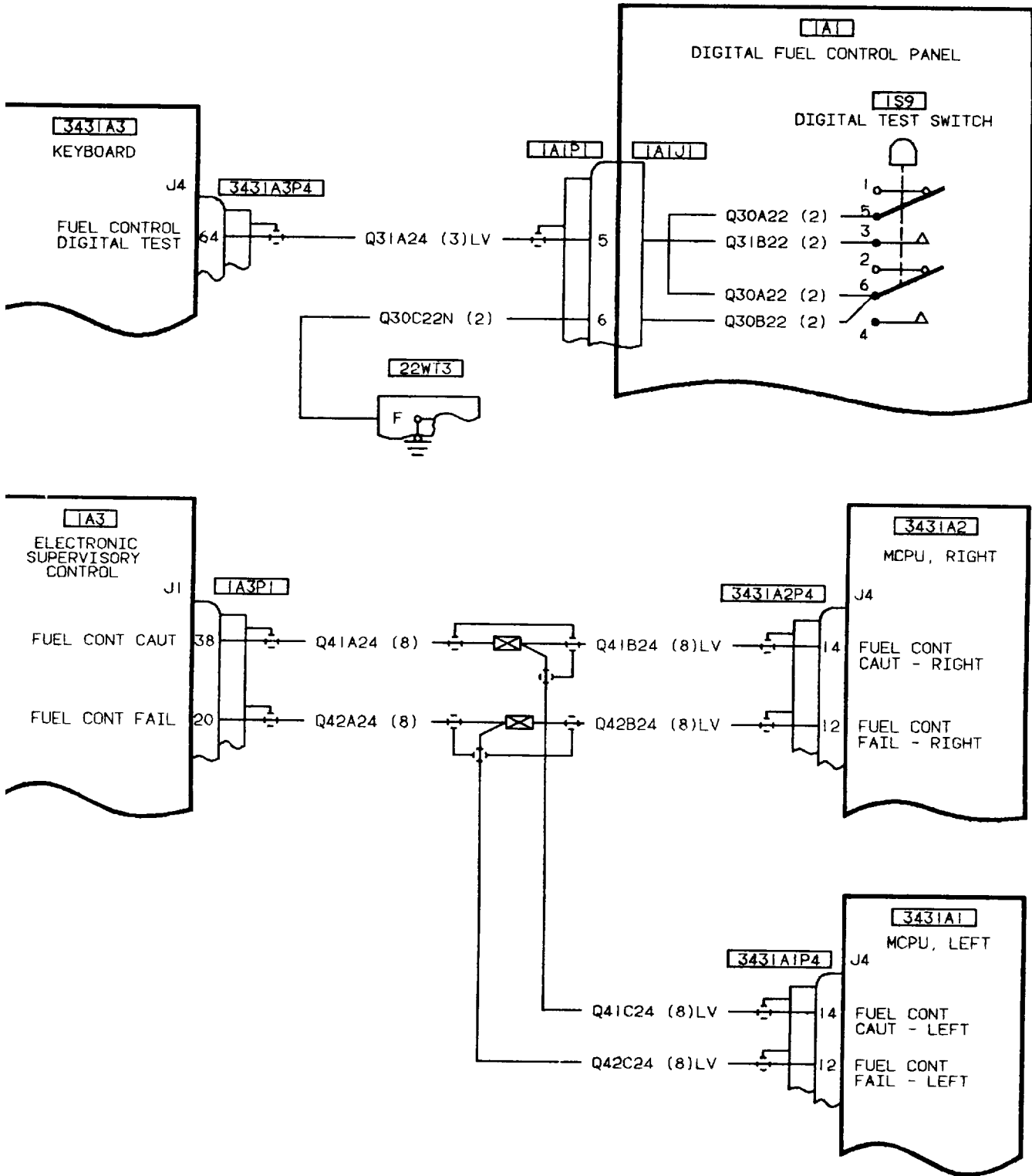
148. BIT PAGE DOES NOT DISPLAY GO, NO GO OR FUEL CONTROL ADVISORY AFTER DIGITAL TEST SWITCH IS PRESSED (CONT)



148. BIT PAGE DOES NOT DISPLAY GO, NO GO OR FUEL CONTROL ADVISORY AFTER DIGITAL TEST SWITCH IS PRESSED (CONT)

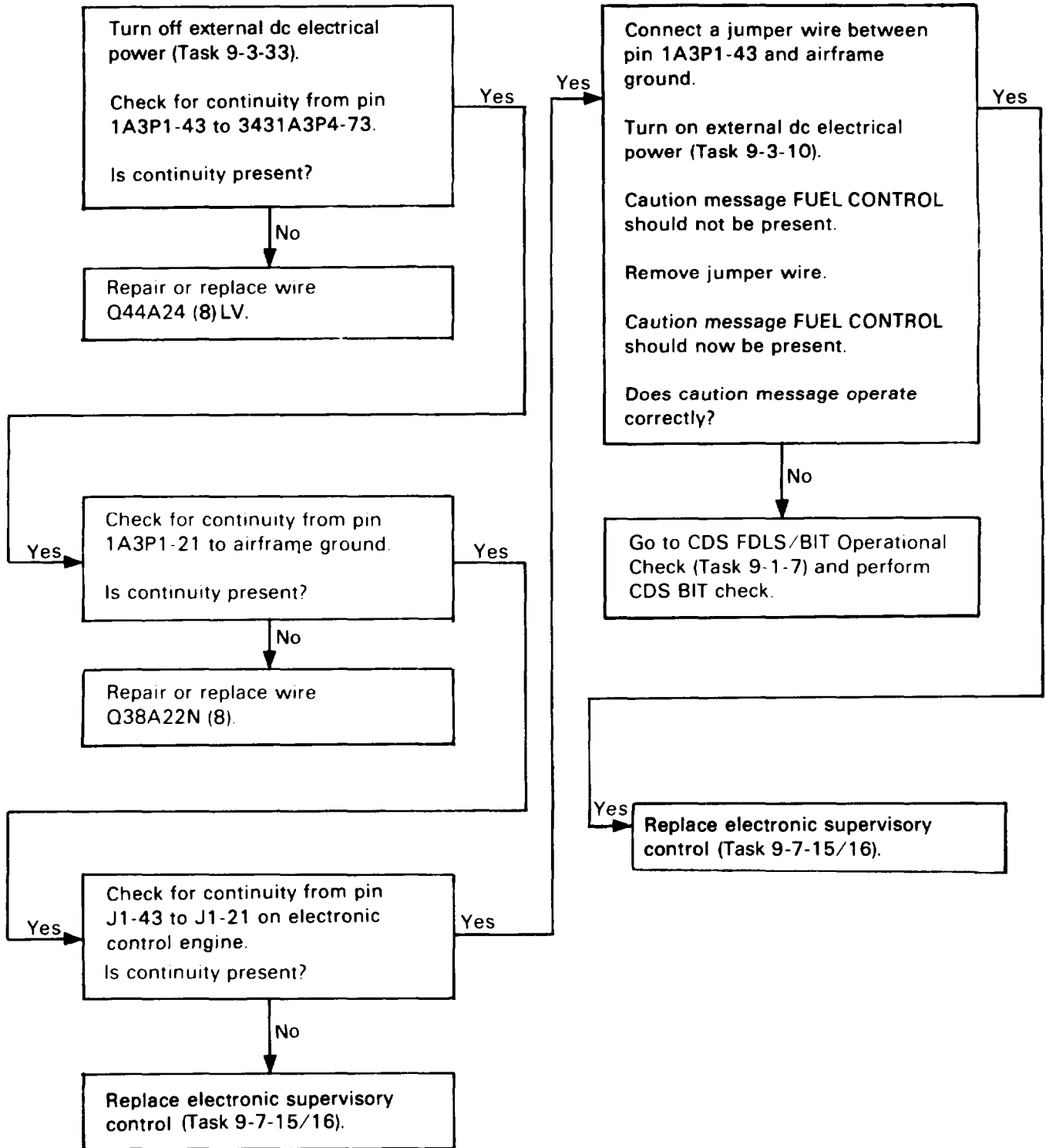


148. BIT PAGE DOES NOT DISPLAY GO, NO GO OR FUEL CONTROL ADVISORY AFTER DIGITAL TEST SWITCH IS PRESSED (CONT)

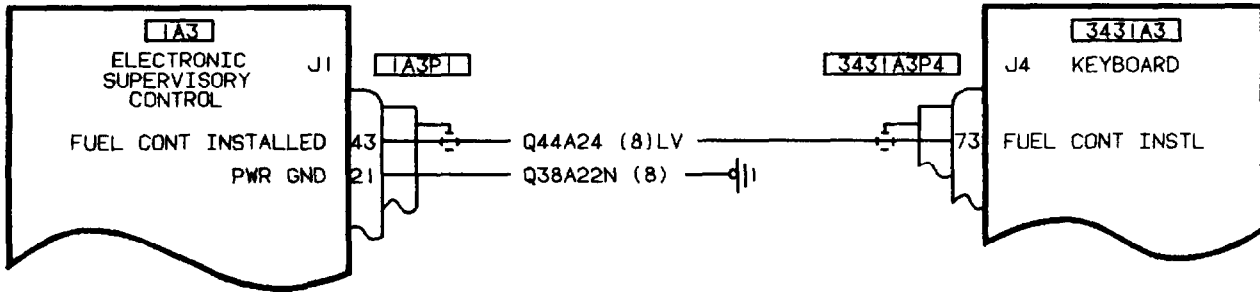


406475-488
H2085

149. CAUTION MESSAGE FUEL CONTROL DOES NOT COME ON (CONNECTOR 1A3P1 DISCONNECTED)

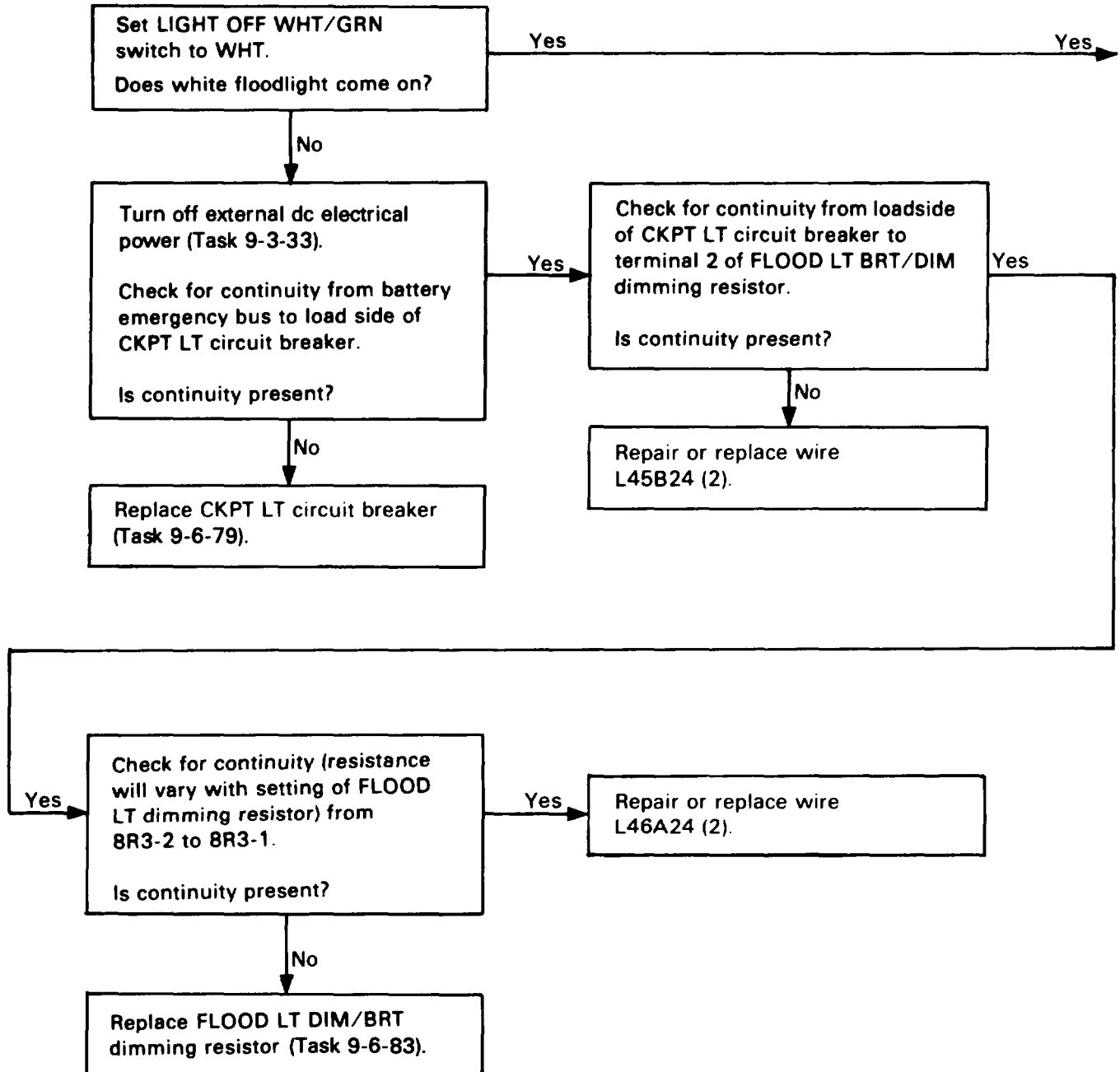


149. CAUTION MESSAGE FUEL CONTROL DOES NOT COME ON (CONNECTOR 1A3P1 DISCONNECTED) (CONT)

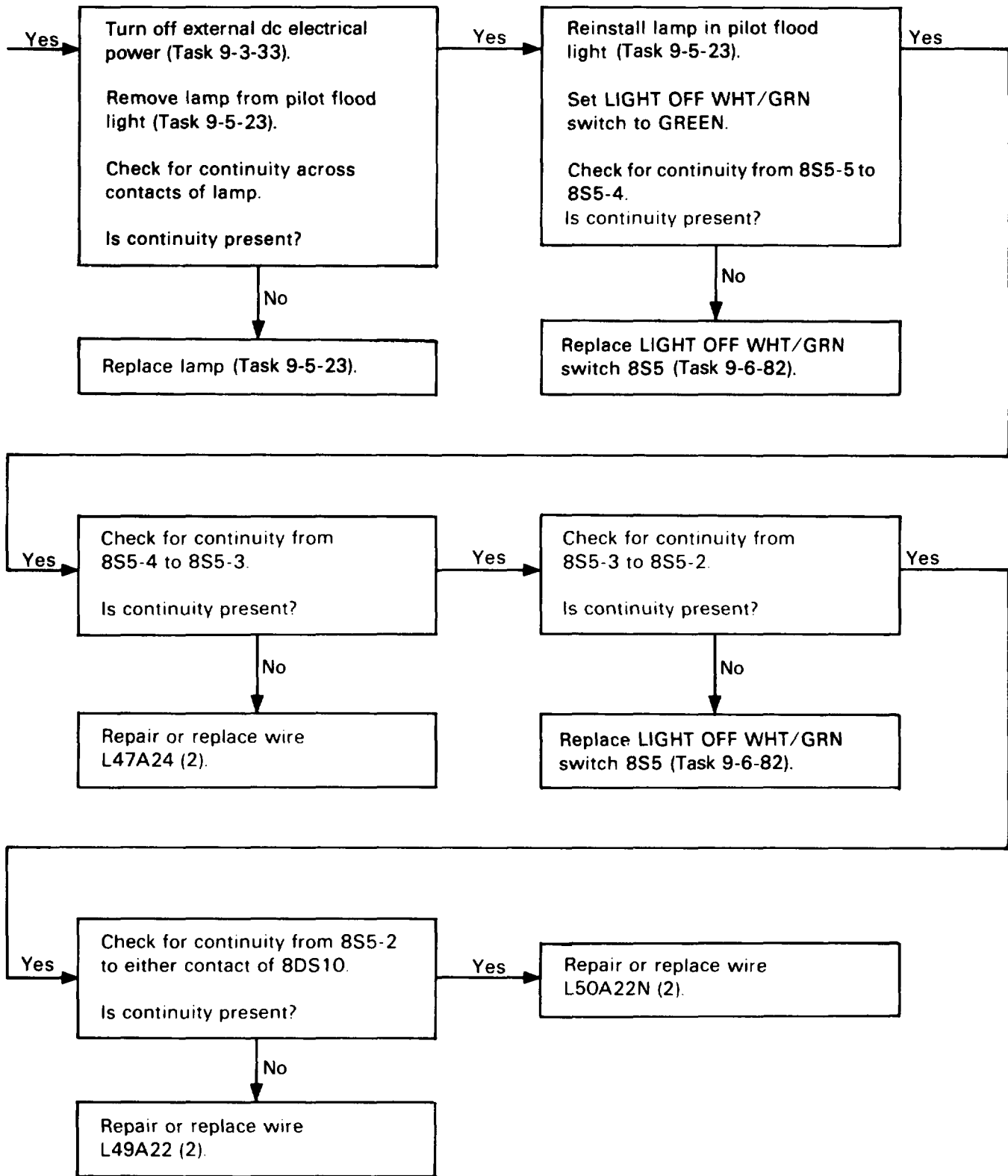


406475-416

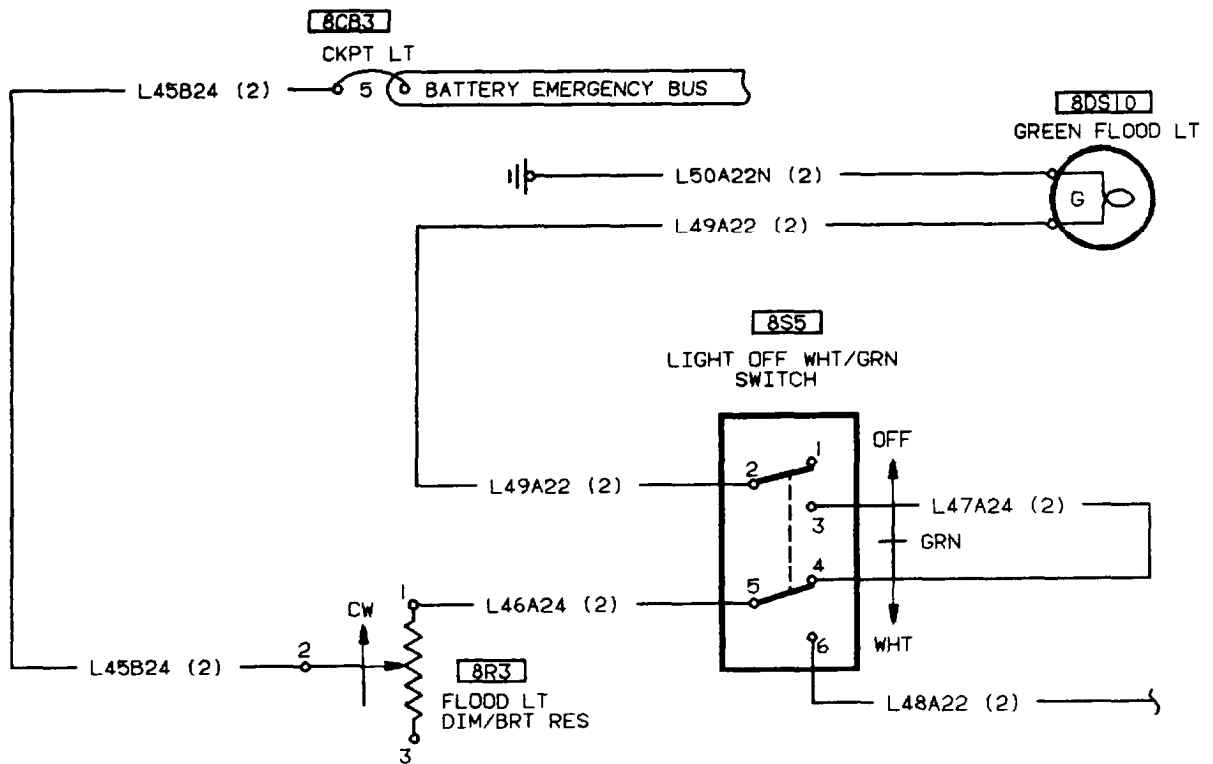
150. GREEN FLOODLIGHT DOES NOT COME ON



150. GREEN FLOODLIGHT DOES NOT COME ON (CONT)



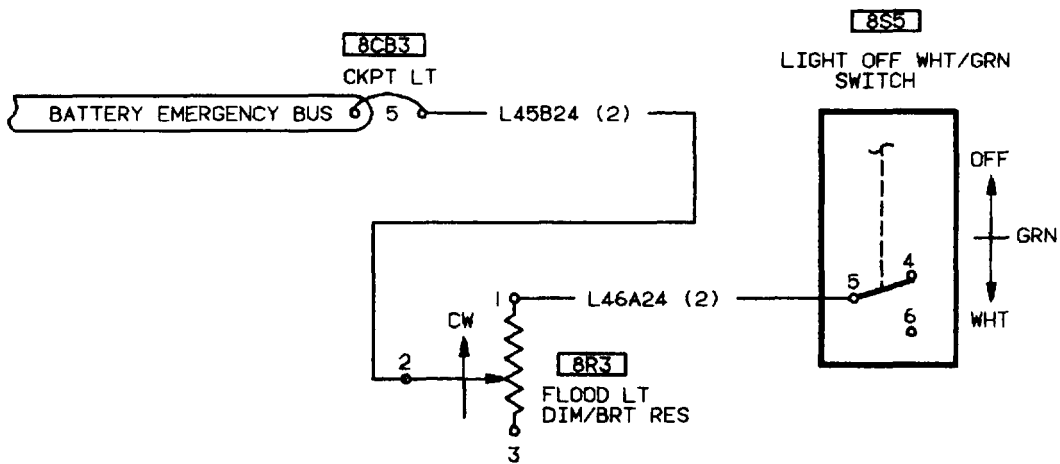
150. GREEN FLOODLIGHT DOES NOT COME ON (CONT)



406475-448

151. GREEN AND WHITE FLOOD LT CONTROL IS REVERSED WHEN TURNED FROM DIM TO BRT

Reversed wire connections.
 Wire L45B24 (2) connects to terminal 8R3-2 and wire L46A24 (2) connects to terminal 8R3-1.

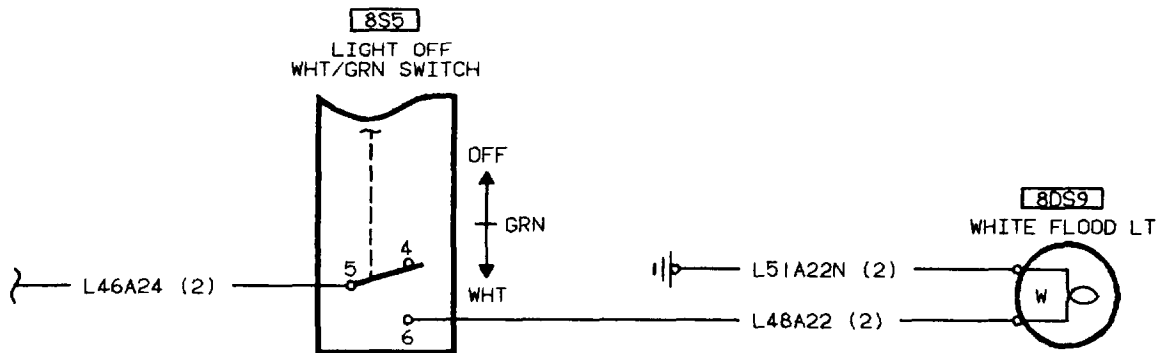
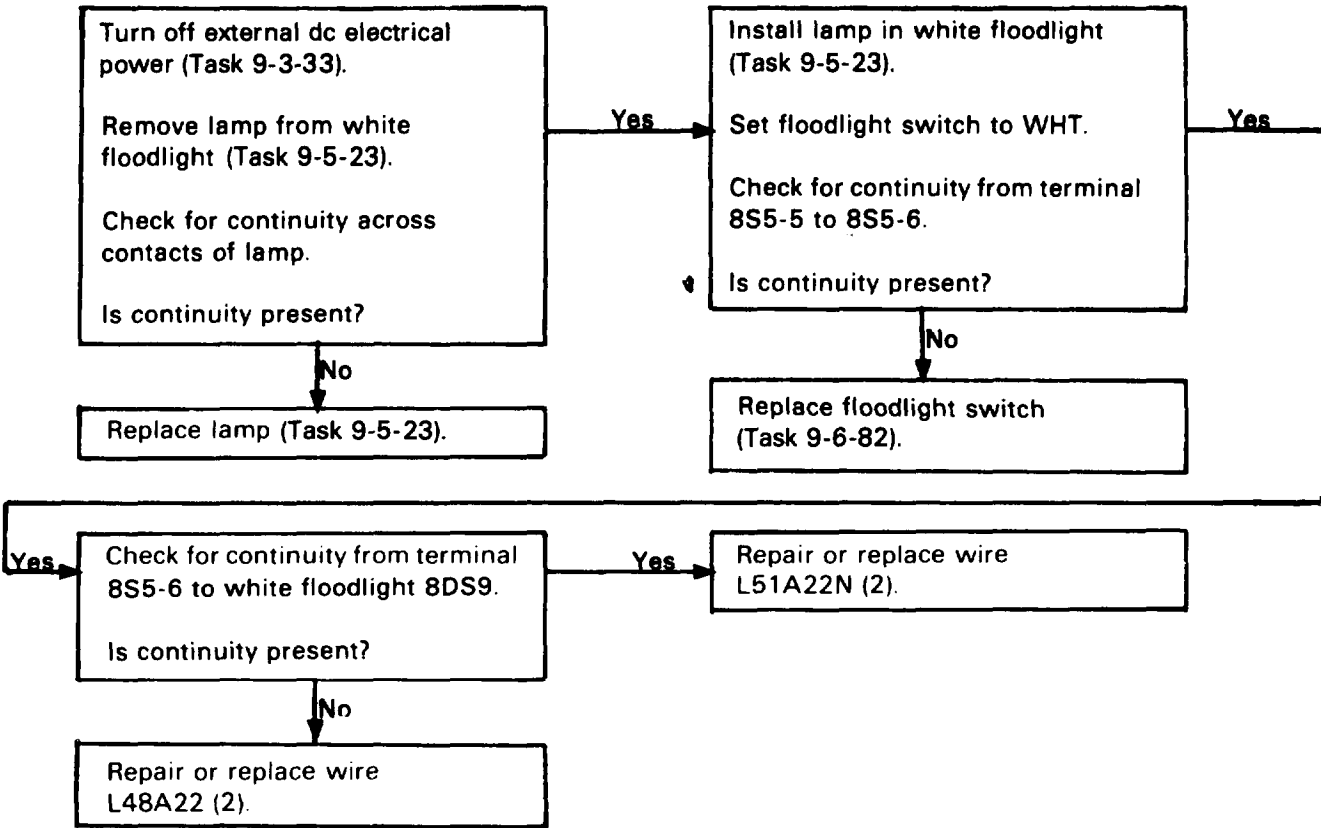


406475-449

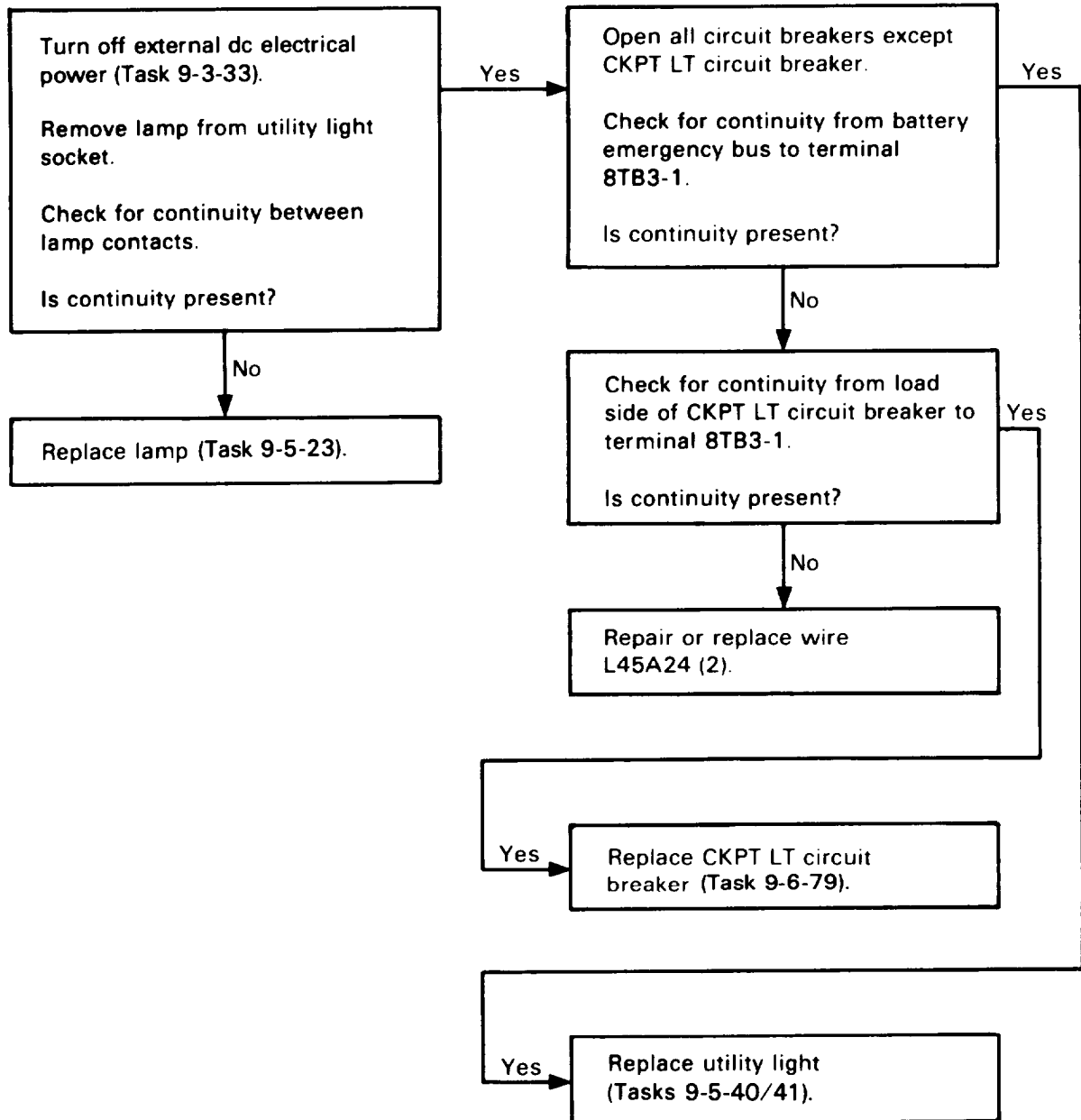
152. GREEN FLOODLIGHT DOES NOT GO OFF WHEN FLOOD LT SWITCH IS SET TO WHITE

Replace LIGHT OFF WHT/GRN
switch 8S5 (Task 9-6-82).

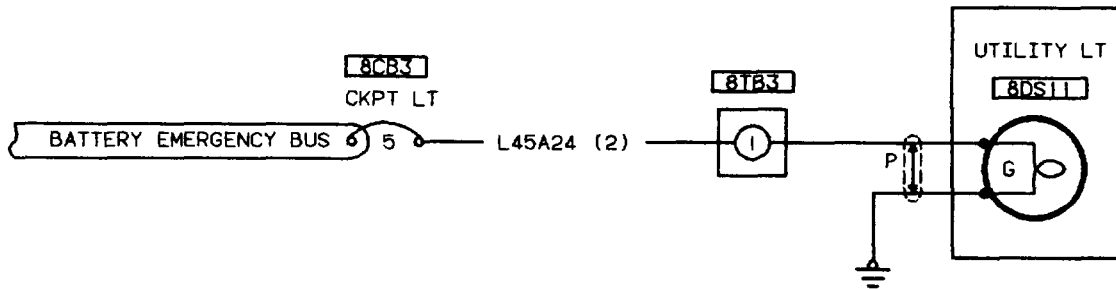
153. WHITE FLOODLIGHT DOES NOT COME ON WHEN FLOODLIGHT SWITCH IS SET TO WHT



154. UTILITY LIGHT DOES NOT COME ON WHEN MOMENTARY SWITCH ON BACK OF LIGHT IS PRESSED



154. UTILITY LIGHT DOES NOT COME ON WHEN MOMENTARY SWITCH ON BACK OF LIGHT IS PRESSED (CONT)



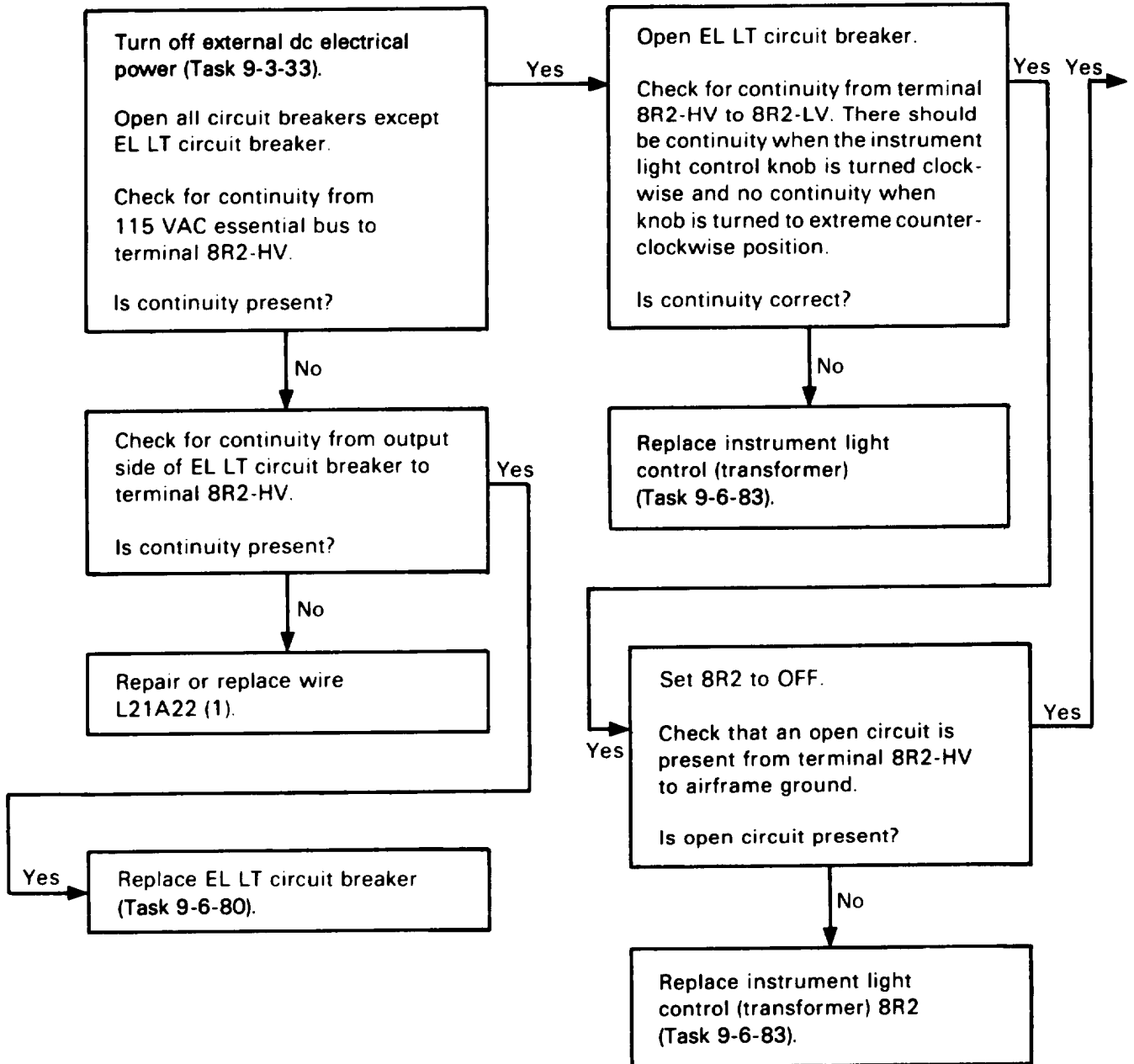
155. UTILITY LIGHT BRIGHTNESS CANNOT BE CONTROLLED WITH RHEOSTAT AT REAR OF LAMP

Replace utility light assembly
(Tasks 9-5-40/41).

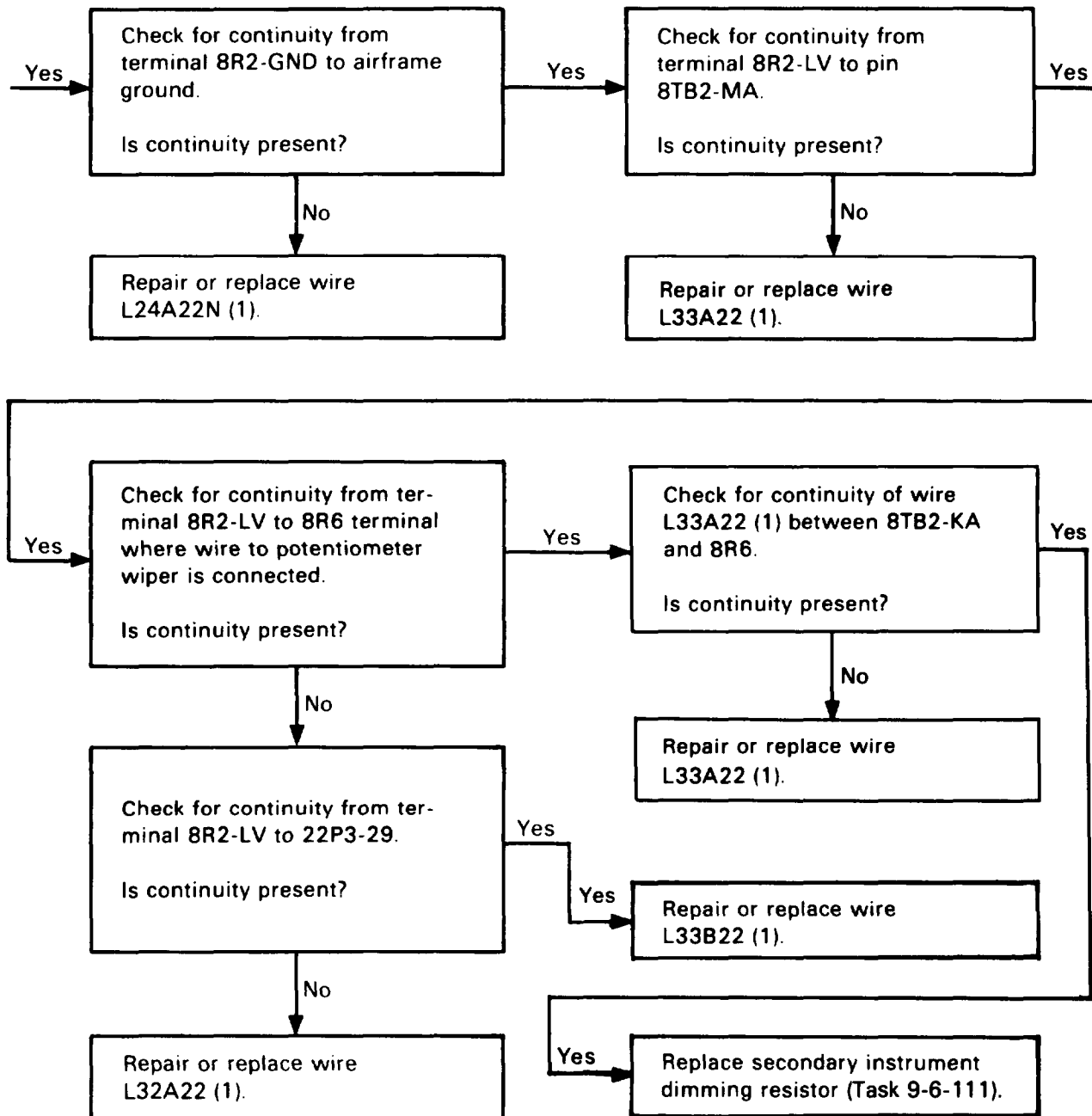
156. UTILITY LIGHT WILL NOT FOCUS FROM SPOT TO FLOOD WHEN TURNING FRONT OF LIGHT ASSEMBLY

Replace utility light assembly
(Tasks 9-5-40/41).

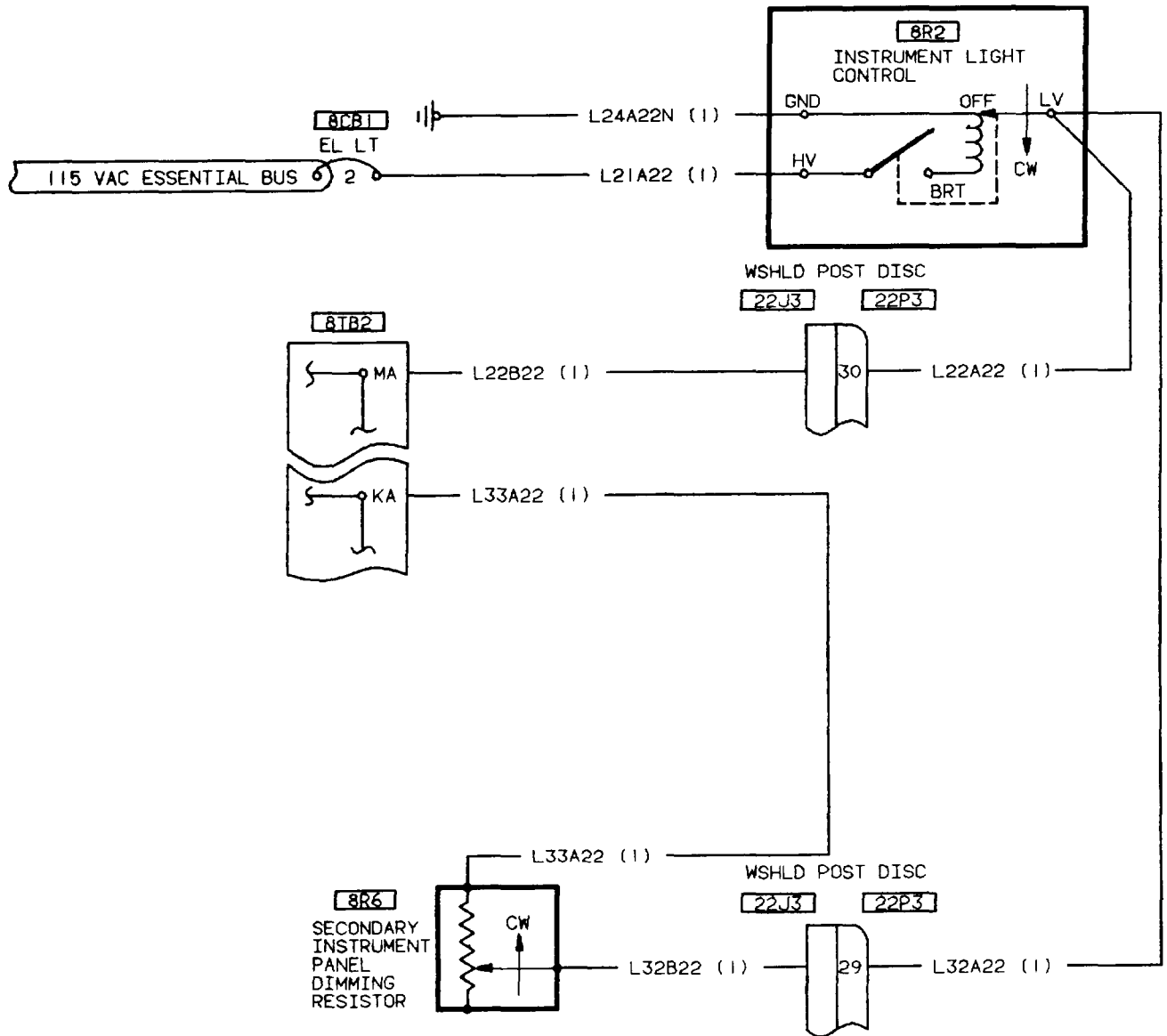
157. INSTRUMENT LIGHTS DO NOT COME ON WHEN INST LT CONTROL IS TURNED CLOCKWISE FROM OFF TO BRT



157. INSTRUMENT LIGHTS DO NOT COME ON WHEN INST LT CONTROL IS TURNED CLOCKWISE FROM OFF TO BRT (CONT)

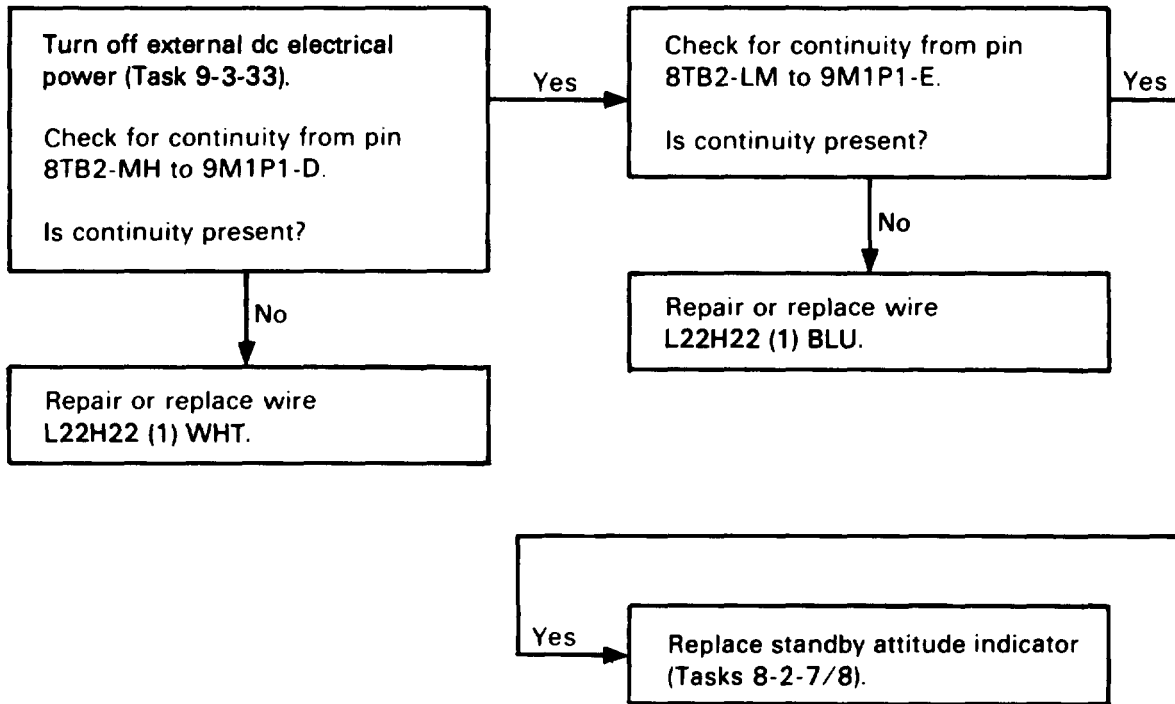


157. INSTRUMENT LIGHTS DO NOT COME ON WHEN INST LT CONTROL IS TURNED CLOCKWISE FROM OFF TO BRT (CONT)

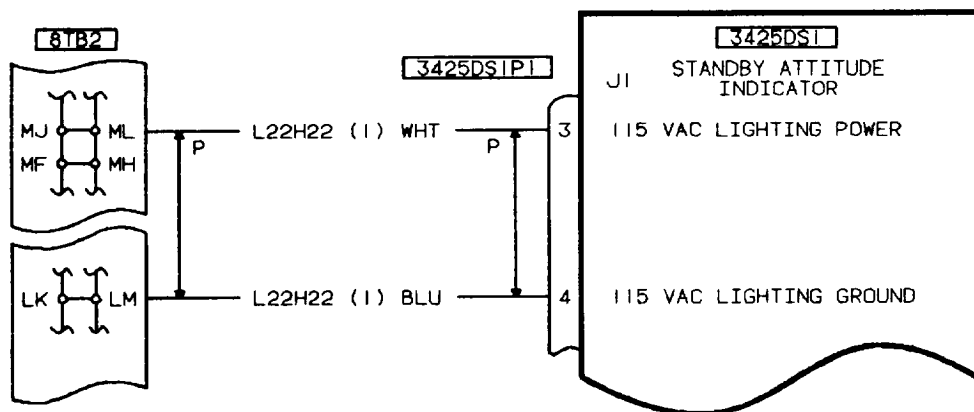


406475-452

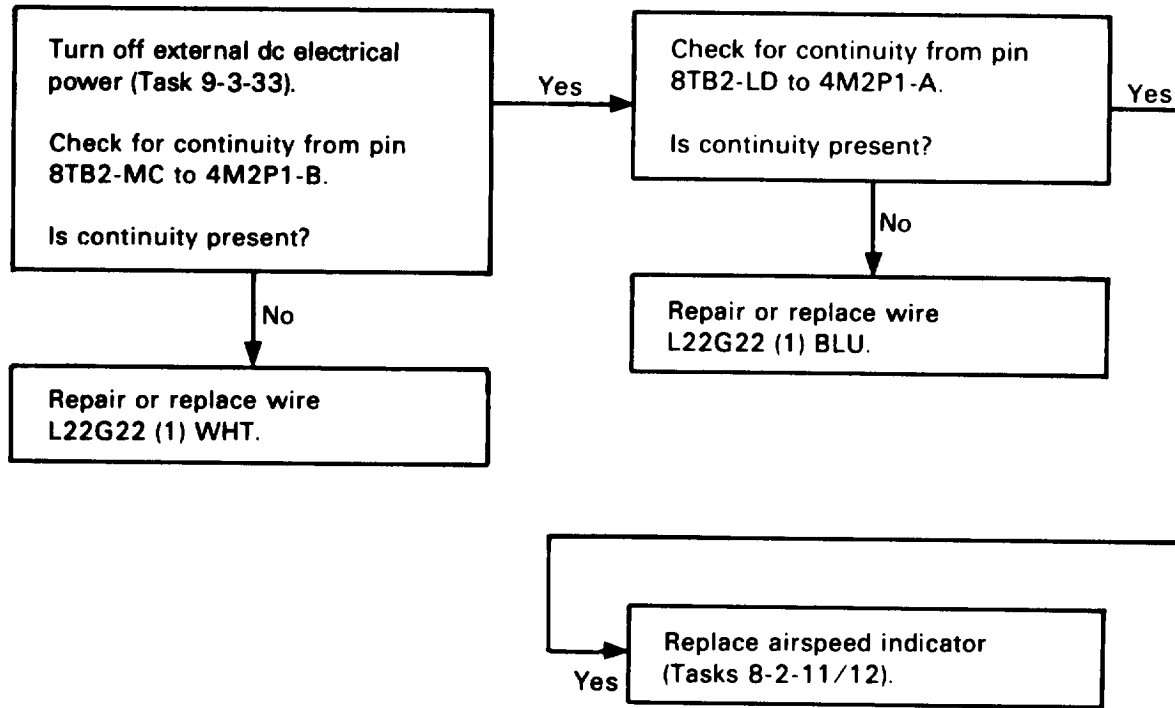
158. STANDBY ATTITUDE INDICATOR NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



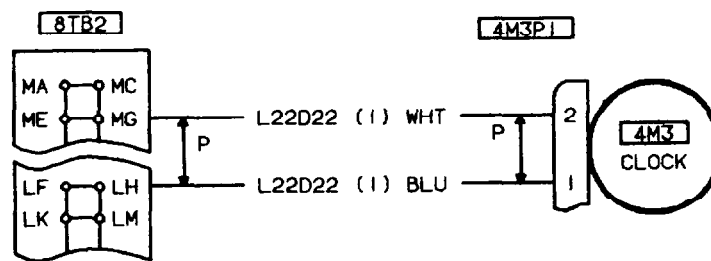
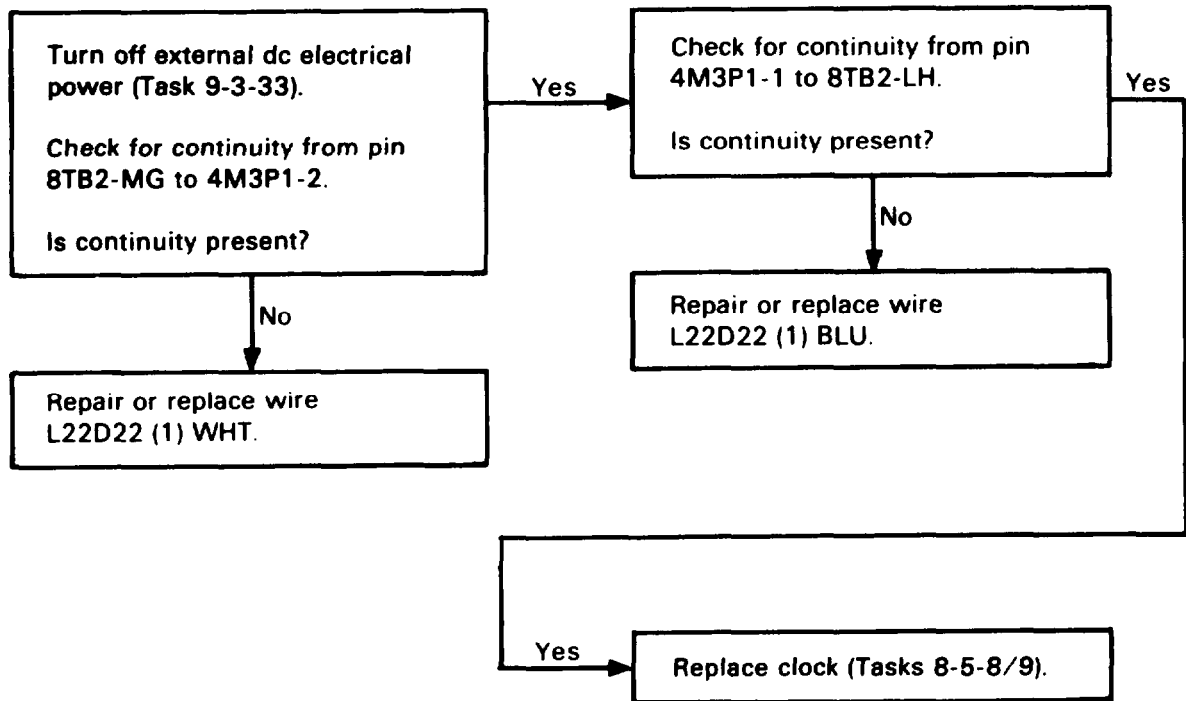
158. STANDBY ATTITUDE INDICATOR NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT (CONT)



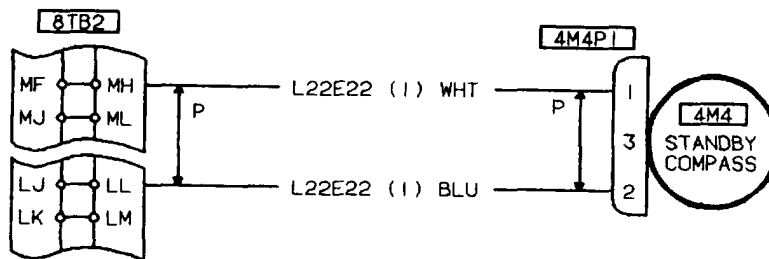
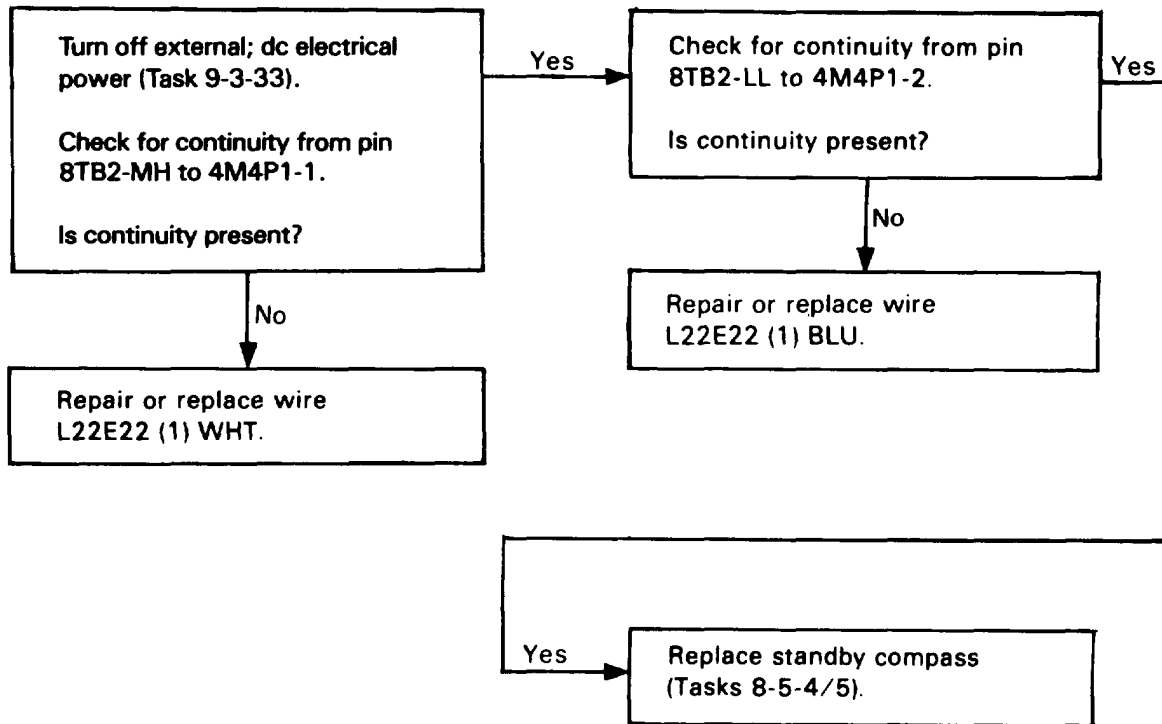
159. AIRSPEED INDICATOR NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



160. CLOCK IS NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT

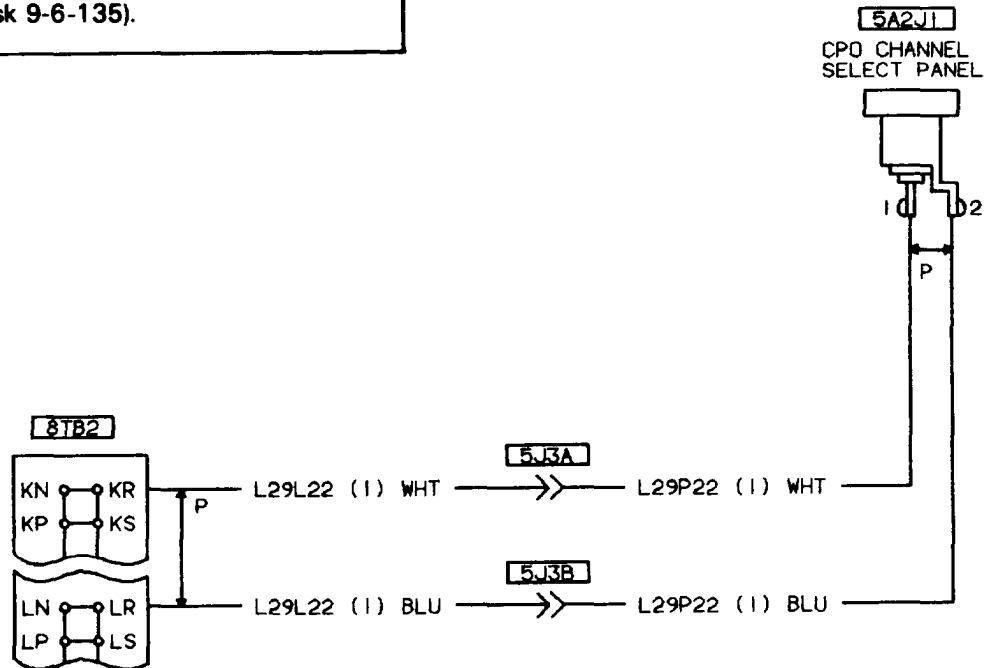
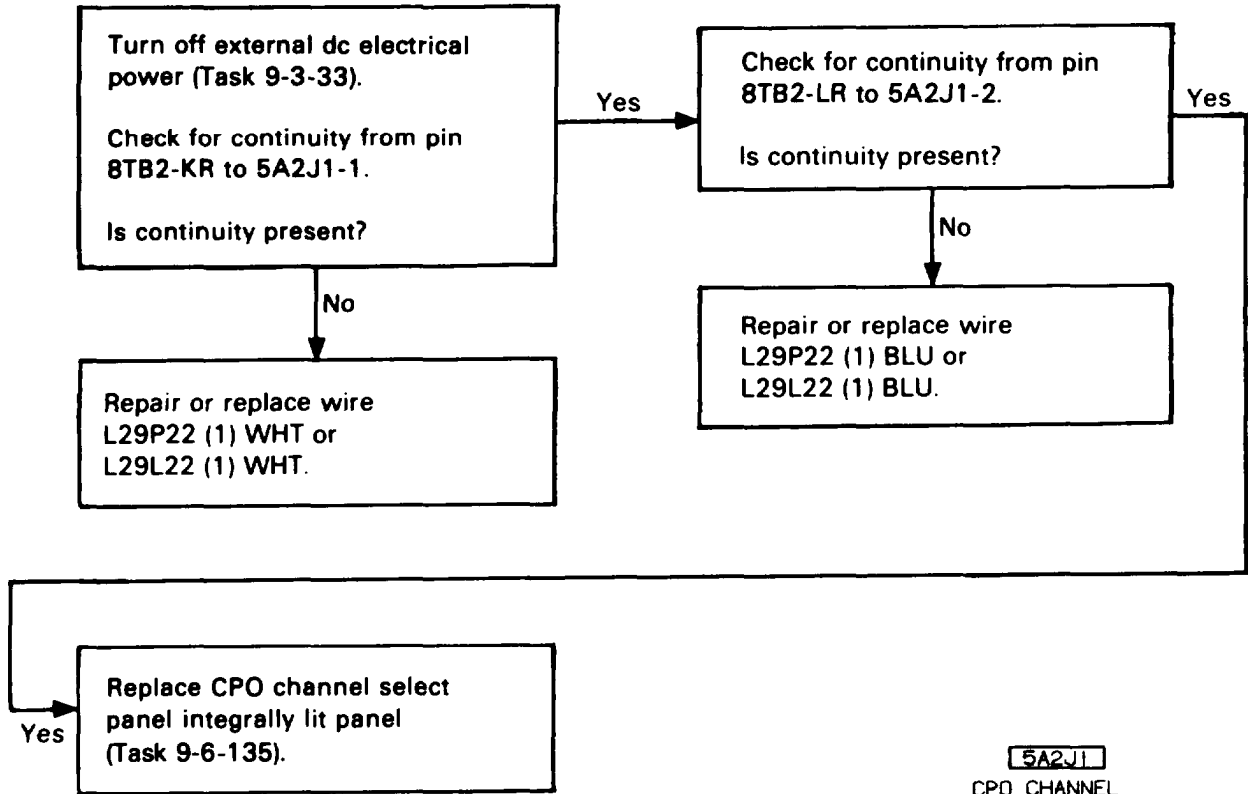


161. STANDBY COMPASS NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



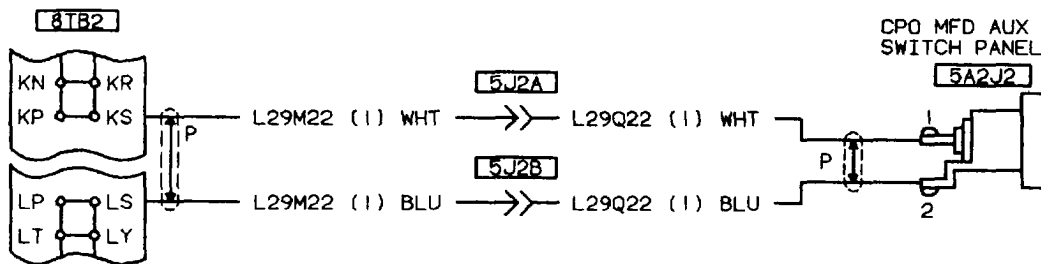
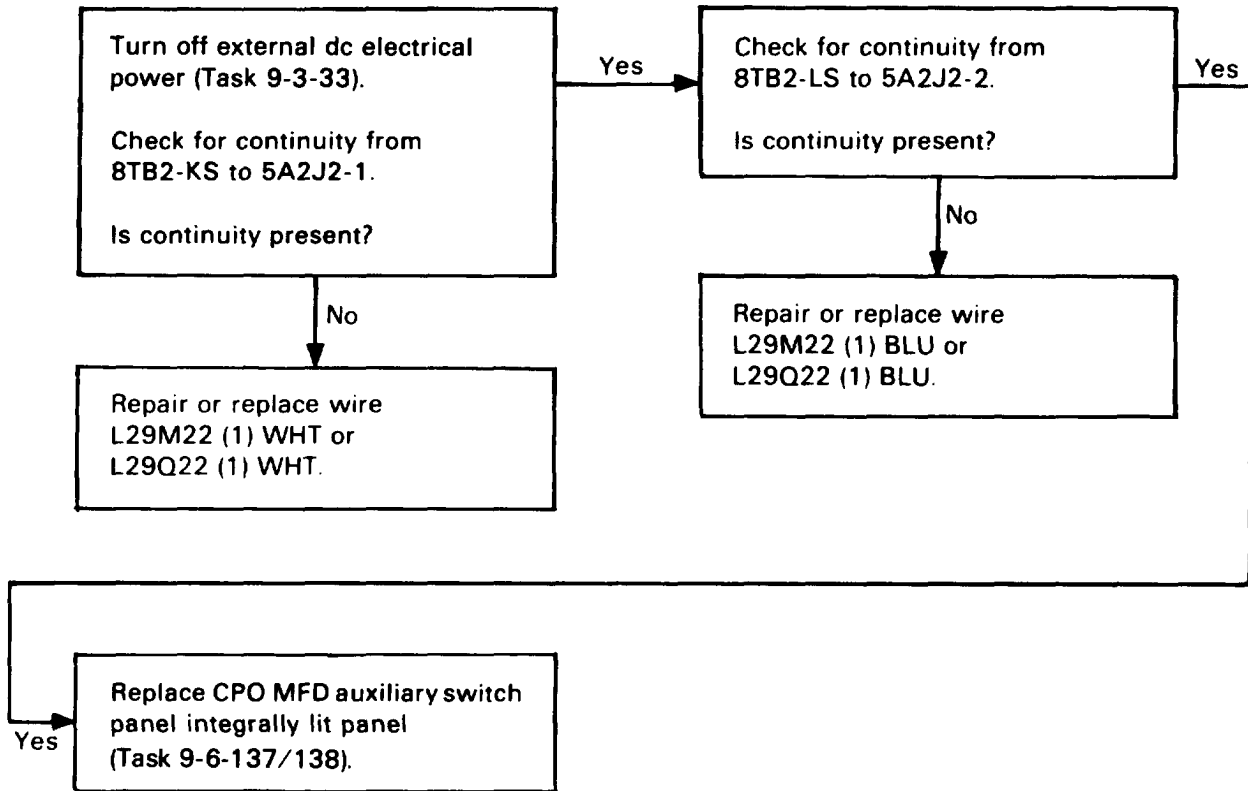
406475-455

162. CPO CHANNEL SELECT PANEL IS NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



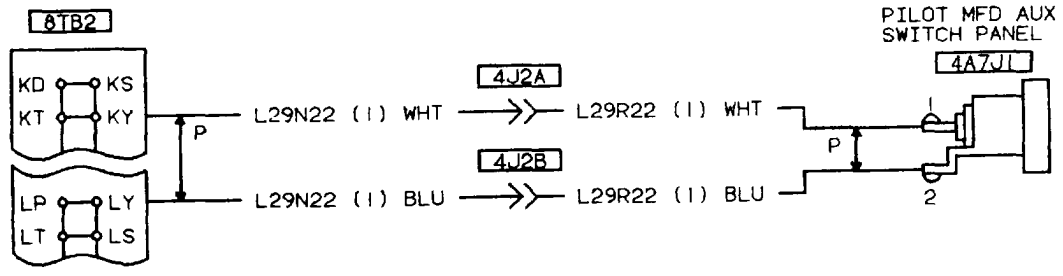
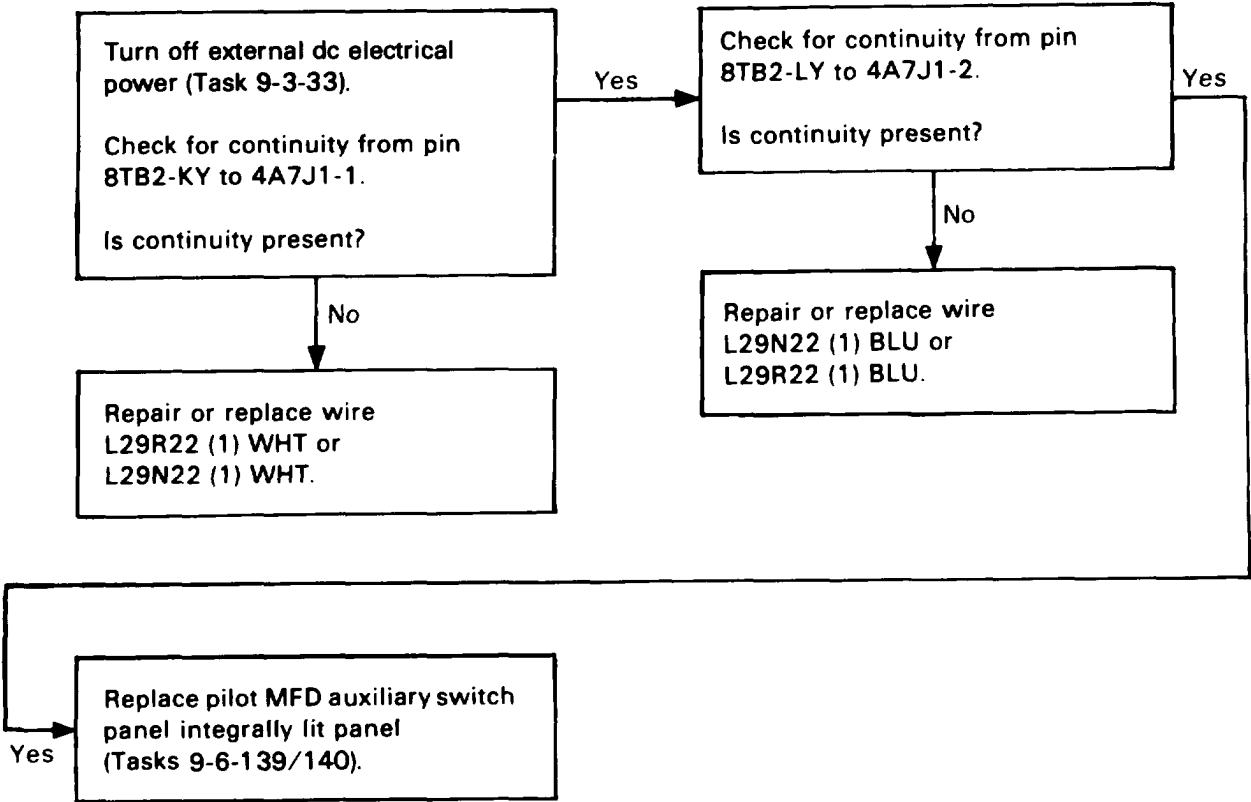
406475-456

163. CPO MULTIFUNCTION DISPLAY (MFD) AUXILIARY SWITCH PANEL IS NOT LIT AFTER INST LTCONTROL IS TURNED FROM OFF TO BRT



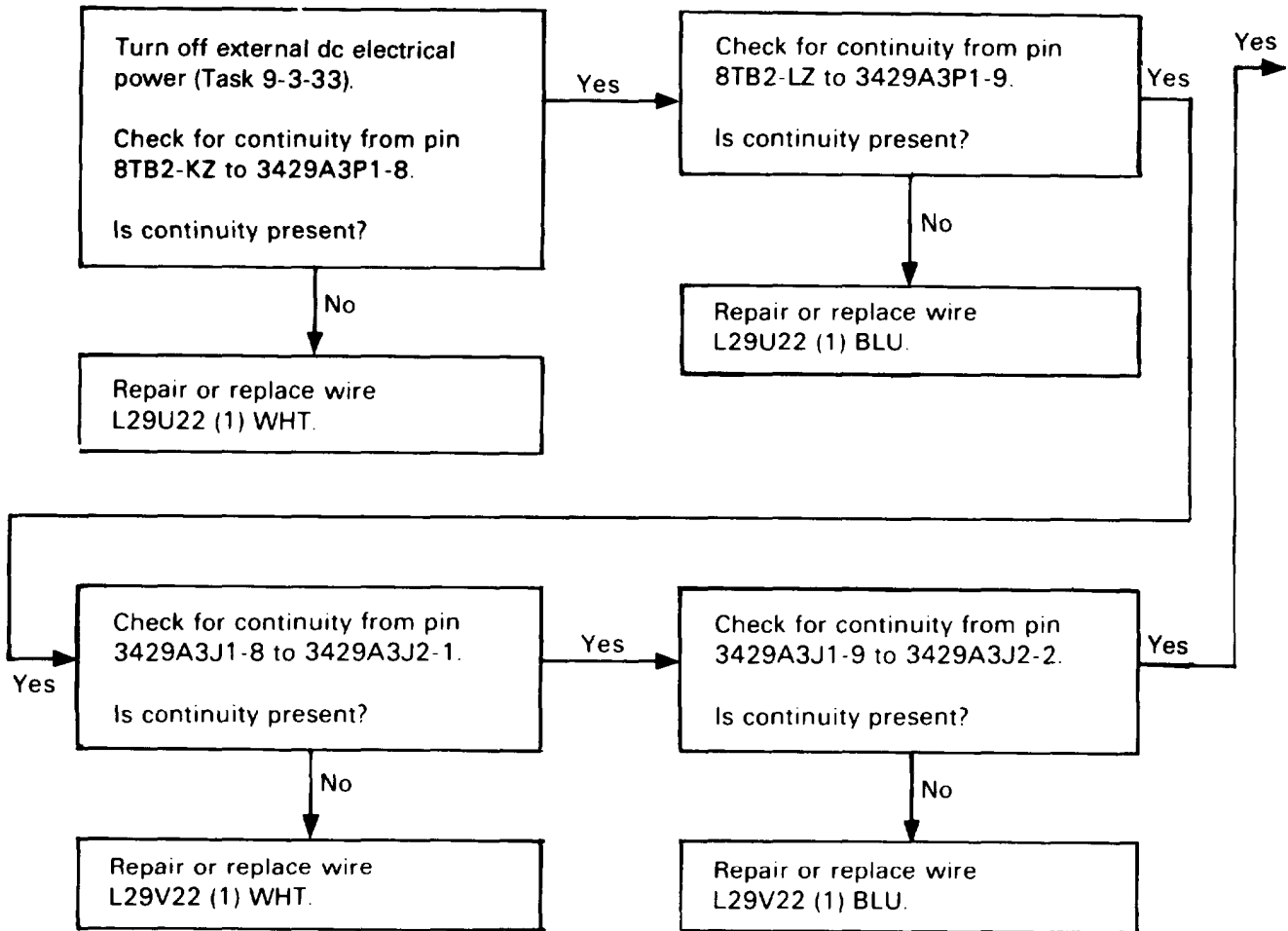
406475-457

164. PILOT MULTIFUNCTION DISPLAY (MFD) AUXILIARY SWITCH PANEL NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



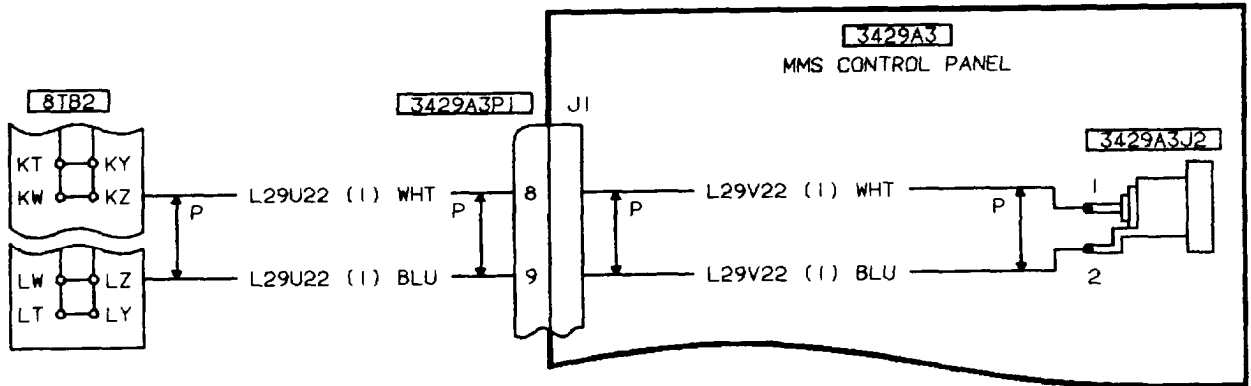
406475-458

165. MAST MOUNTED SIGHT (MMS) CONTROL PANEL NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



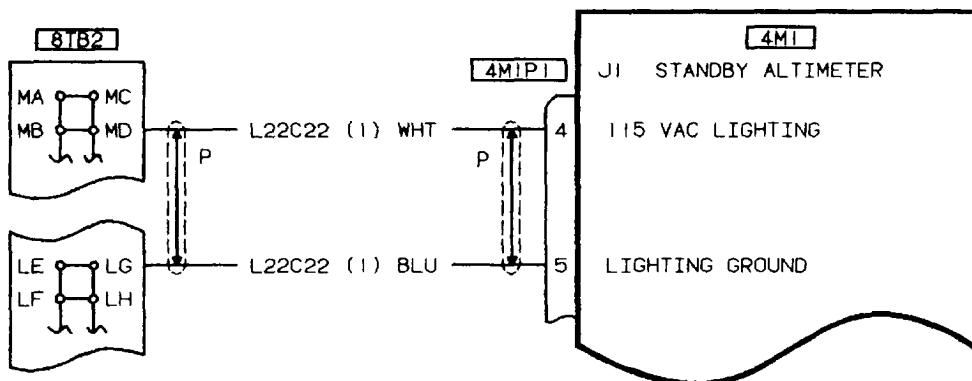
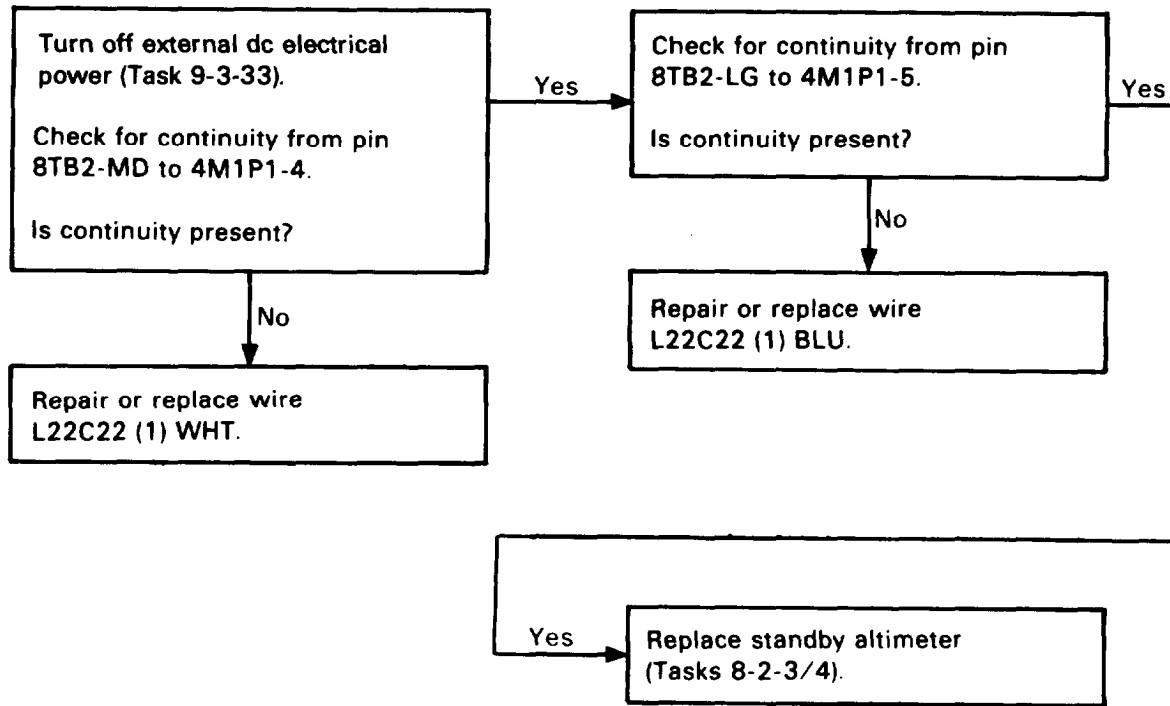
165. MAST MOUNTED SIGHT (MMS) CONTROL PANEL NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT (CONT)

Yes → **Replace MMS control panel integrally lit panel (Tasks 9-6-141/142).**



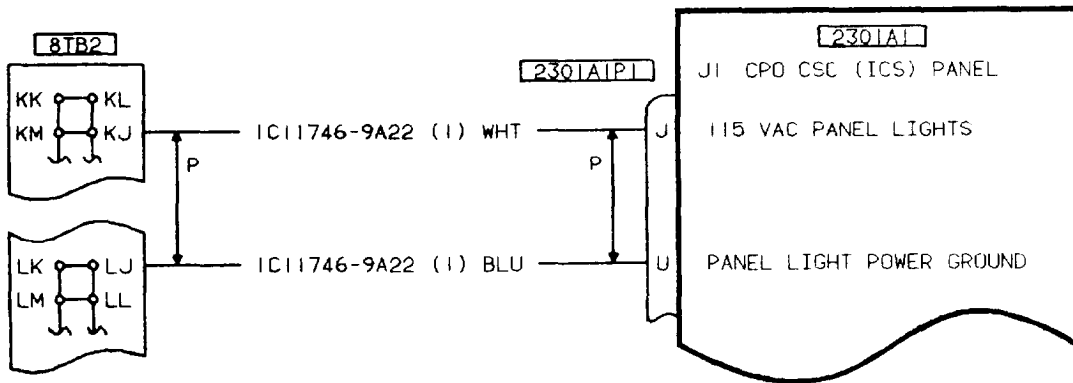
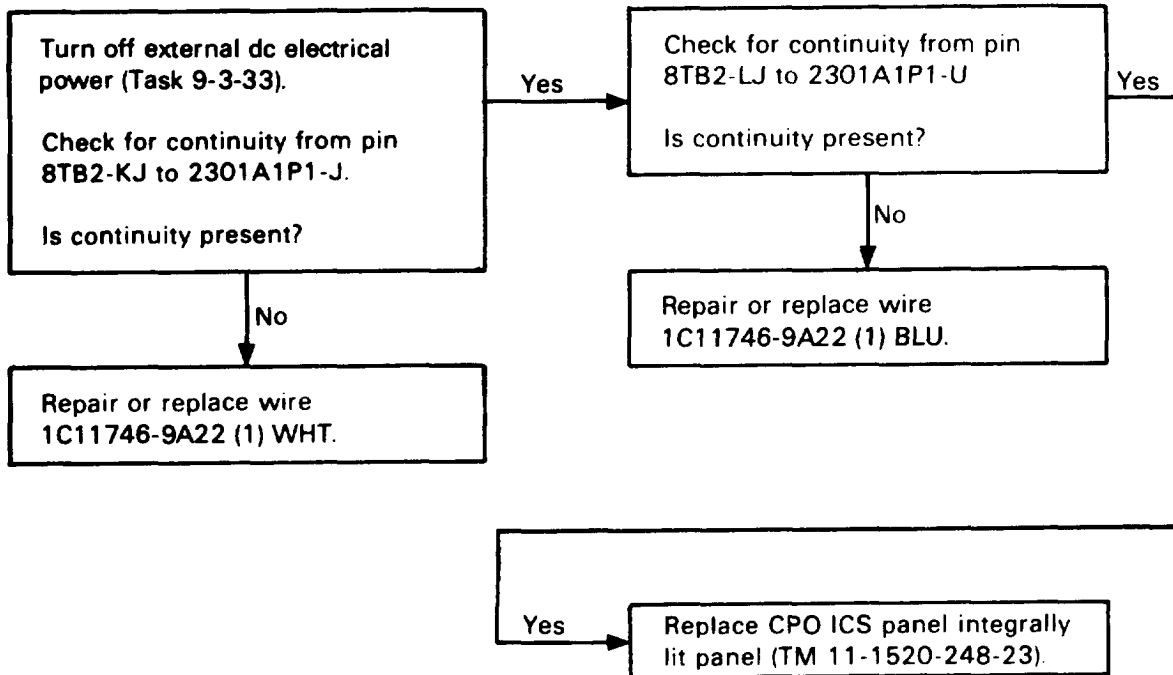
406475-459

166. STANDBY ALTIMETER NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



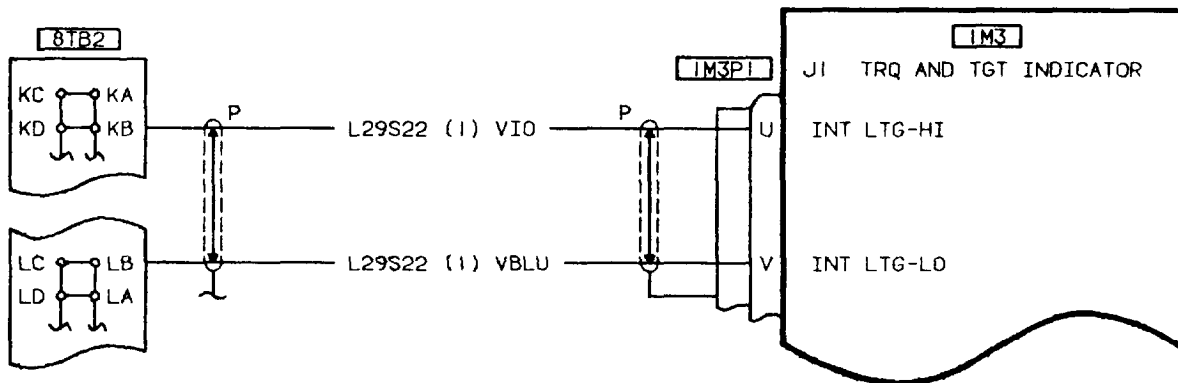
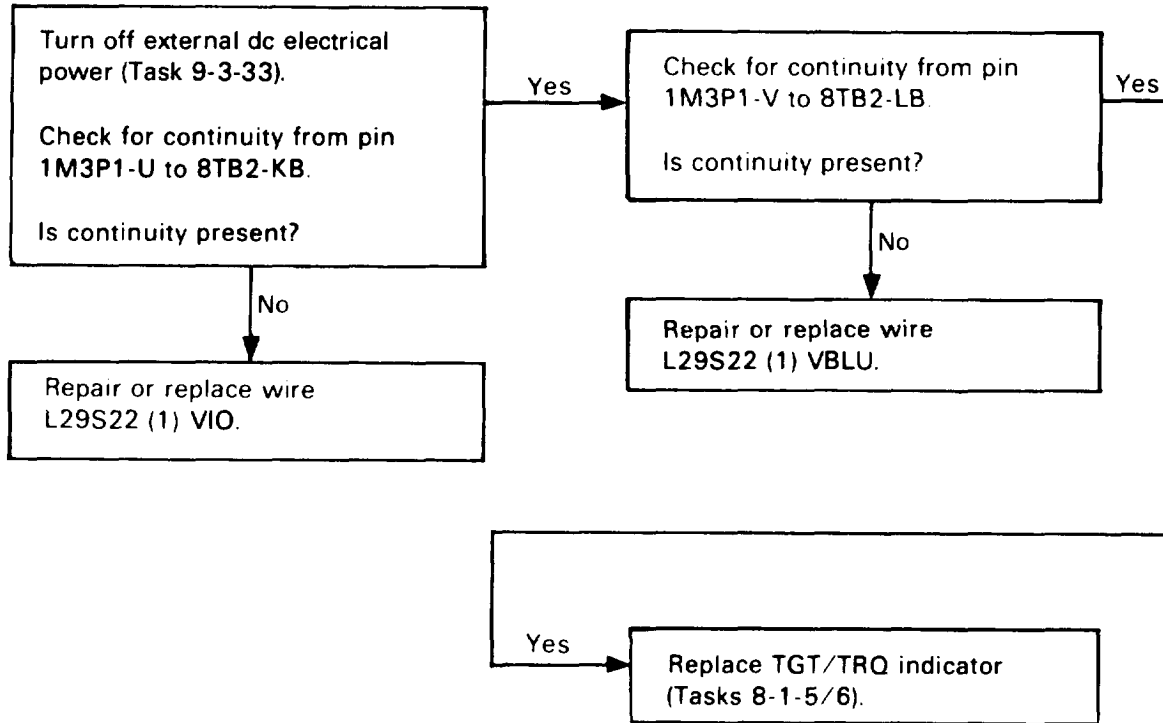
406475-460

167. CPO INTERCOMMUNICATION SYSTEM (ICS) PANEL IS NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



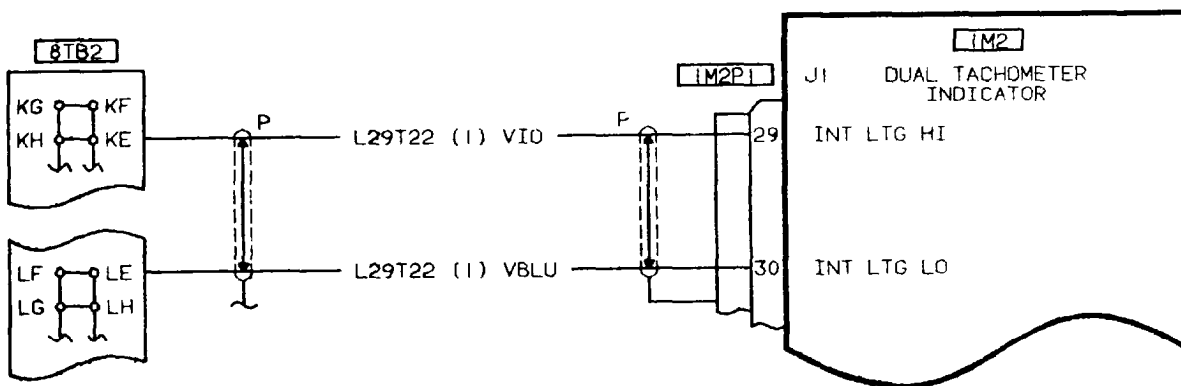
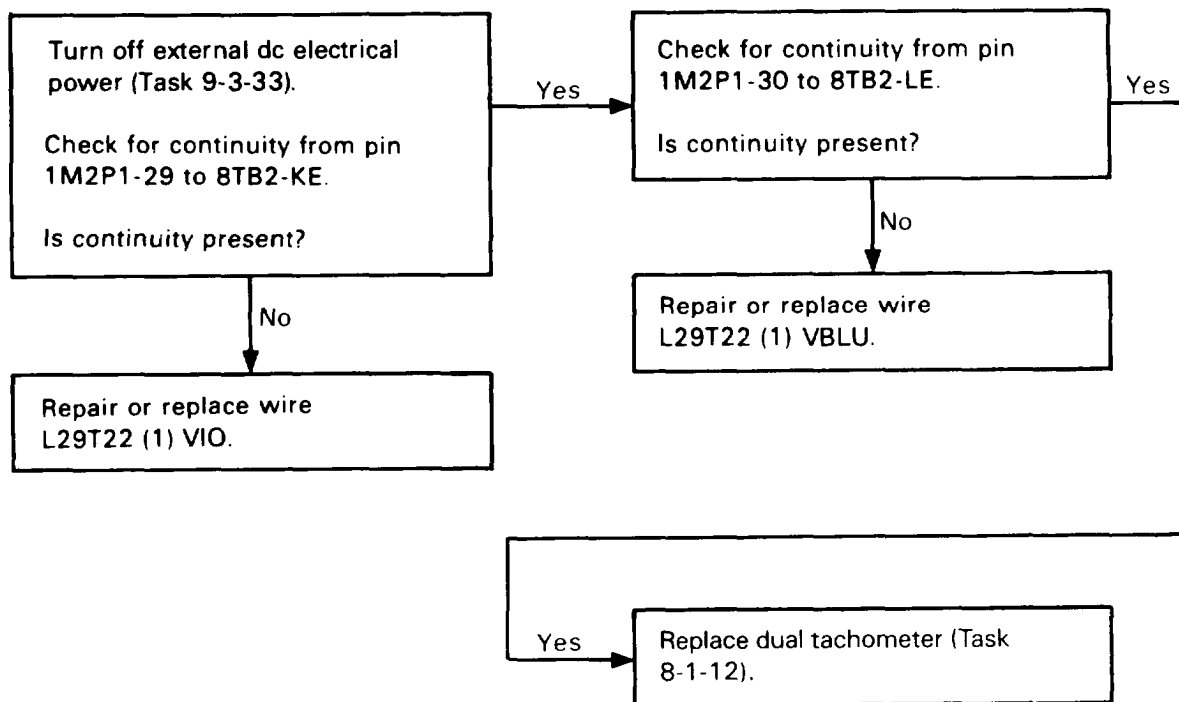
406475-413

168. TGT/TRQ INDICATOR NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



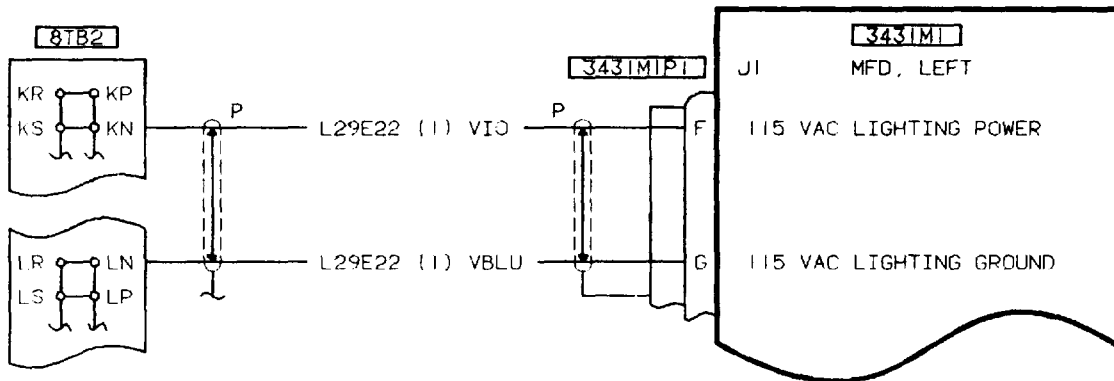
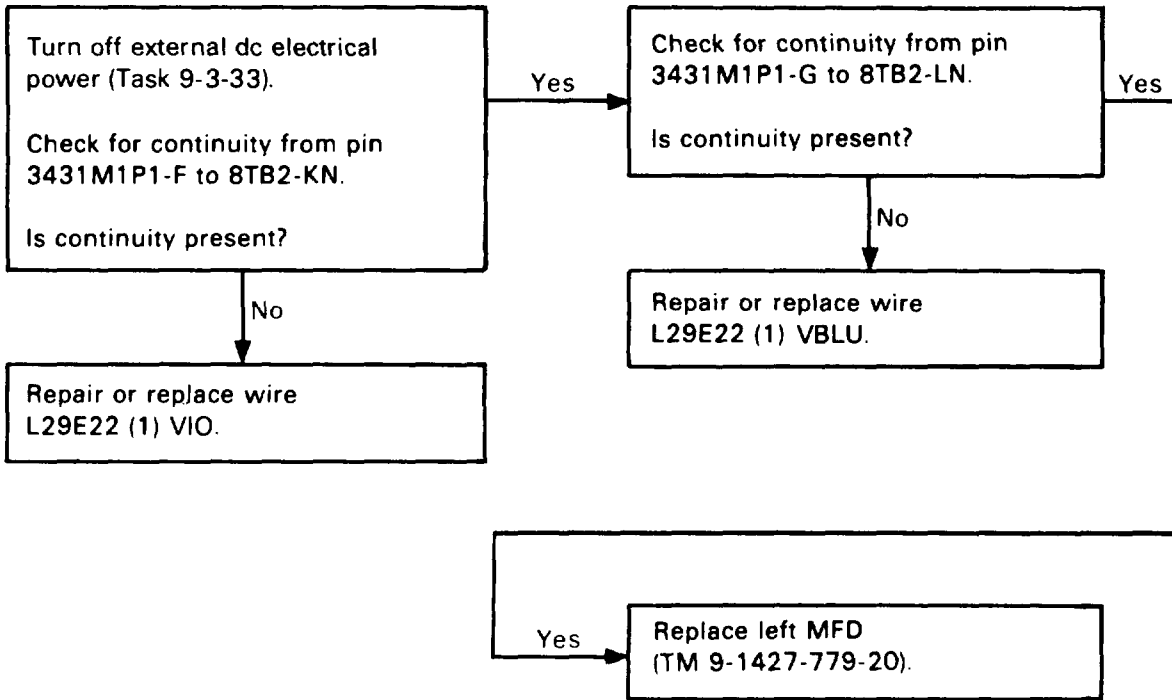
406475-414
H2085

169. DUAL TACHOMETER IS NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



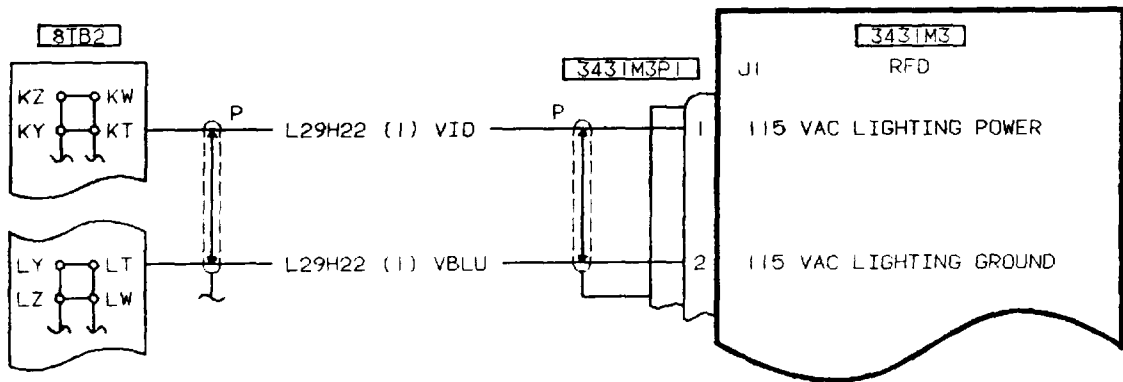
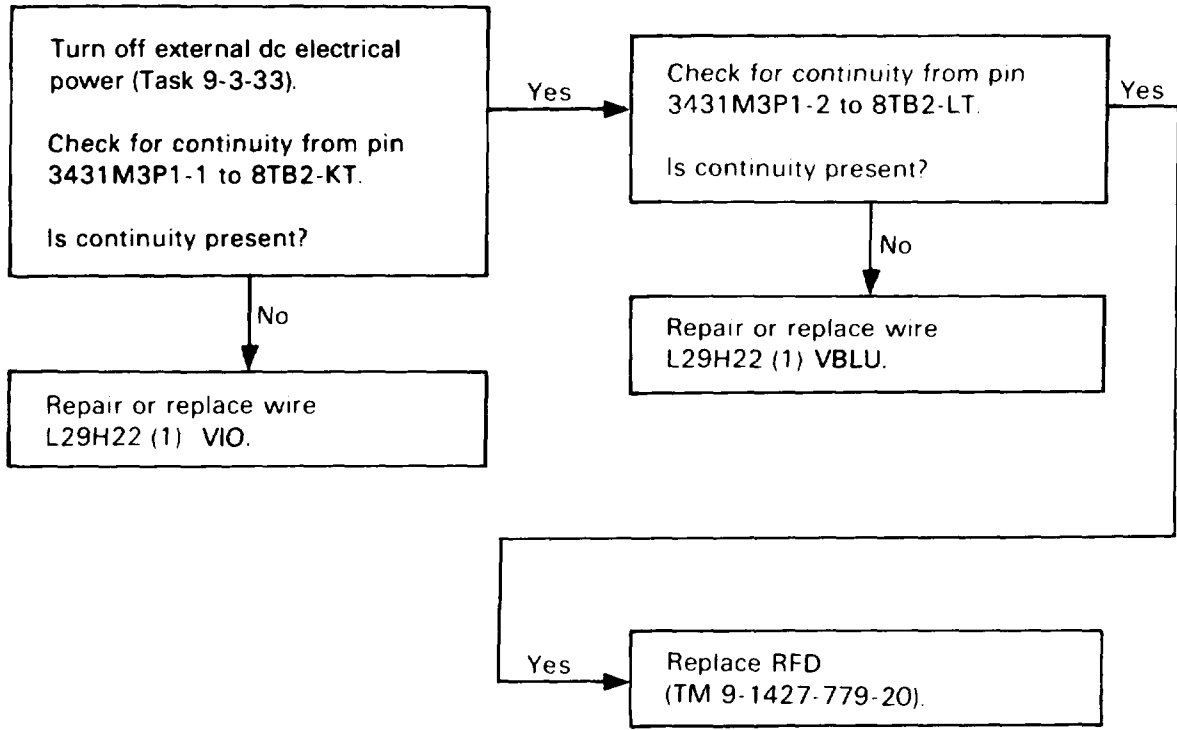
406475-415
H2085

170. LEFT MULTIFUNCTION DISPLAY (MFD) NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



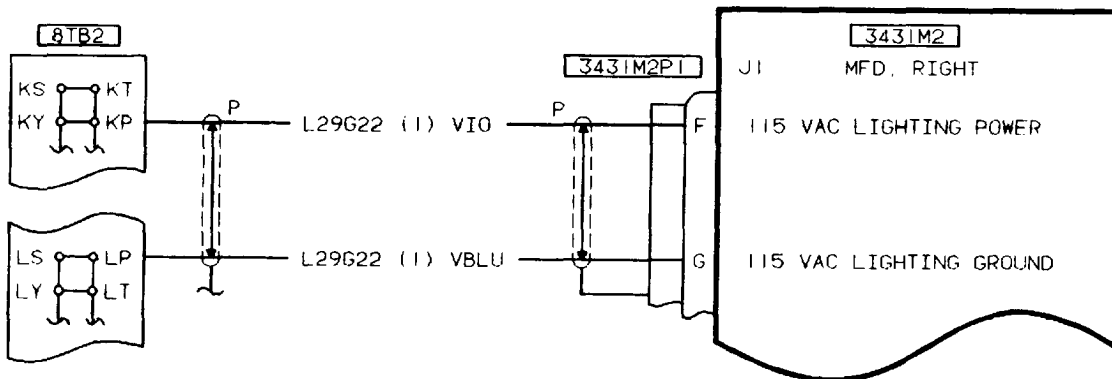
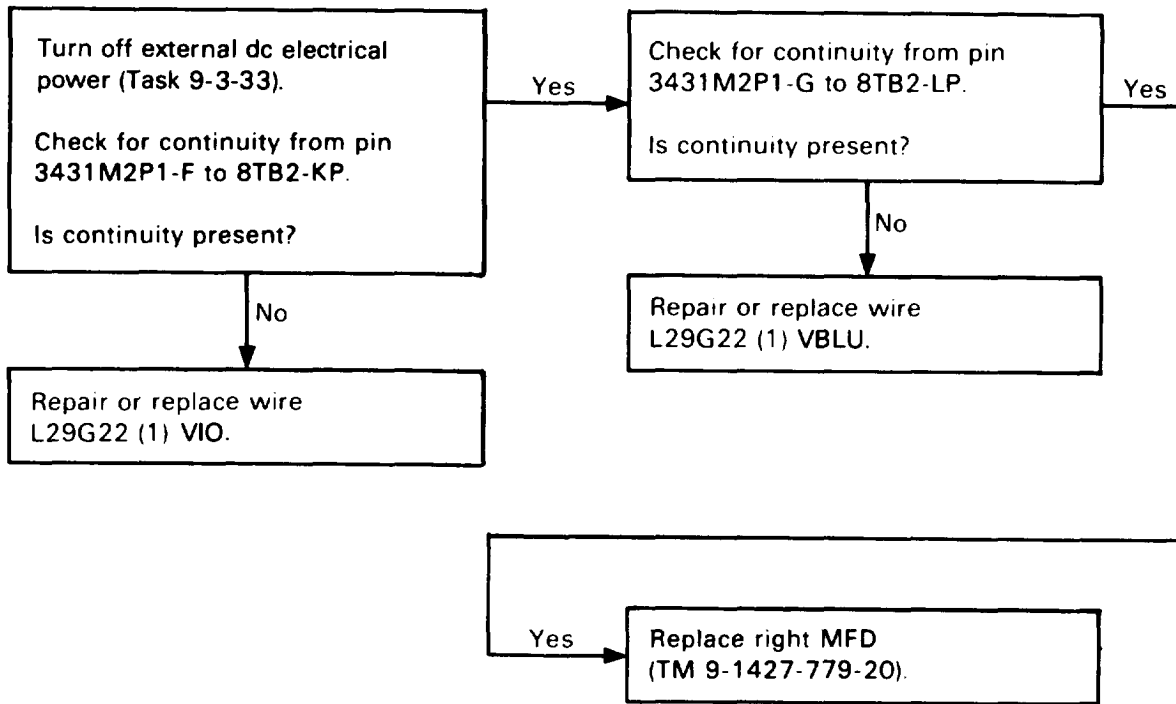
406475-480
H2392

171. REMOTE FREQUENCY DISPLAY (RFD) IS NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



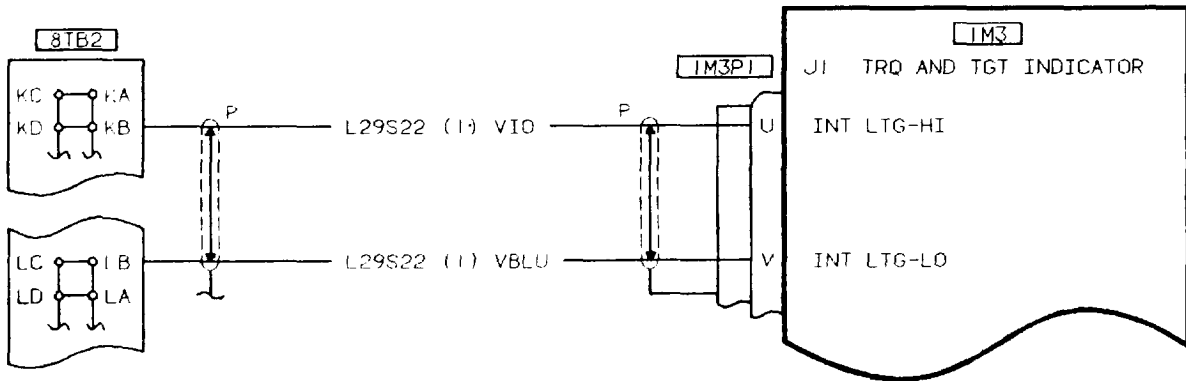
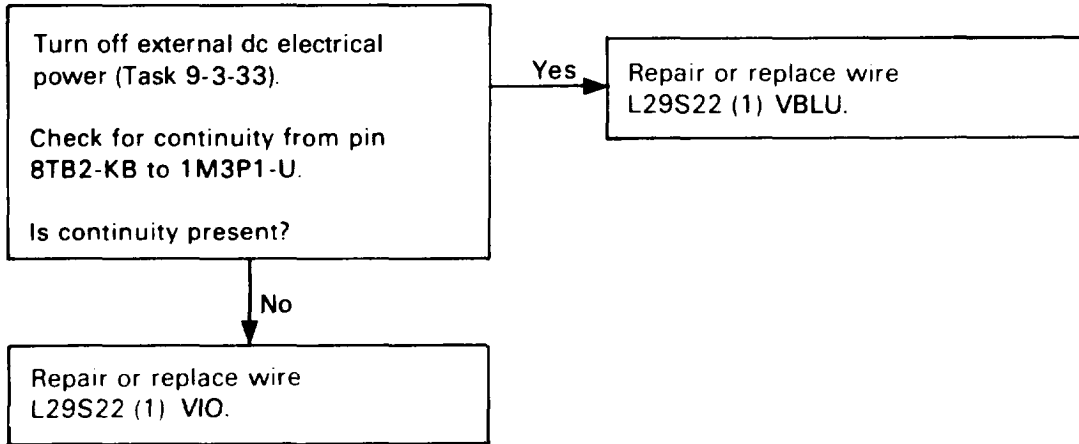
406475-481
H2086

172. RIGHT MULTIFUNCTION DISPLAY (MFD) IS NOT LIT AFTER INST LT CONTROL IS TURNED FROM OFF TO BRT



406475-482
G6283

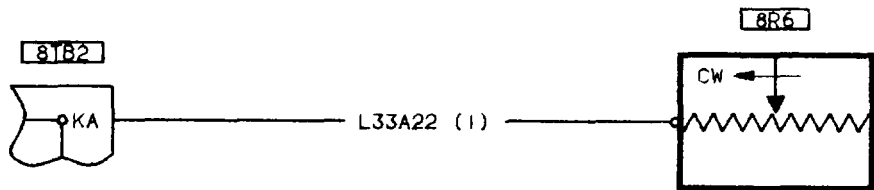
173. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL TGT/TRQ INDICATOR



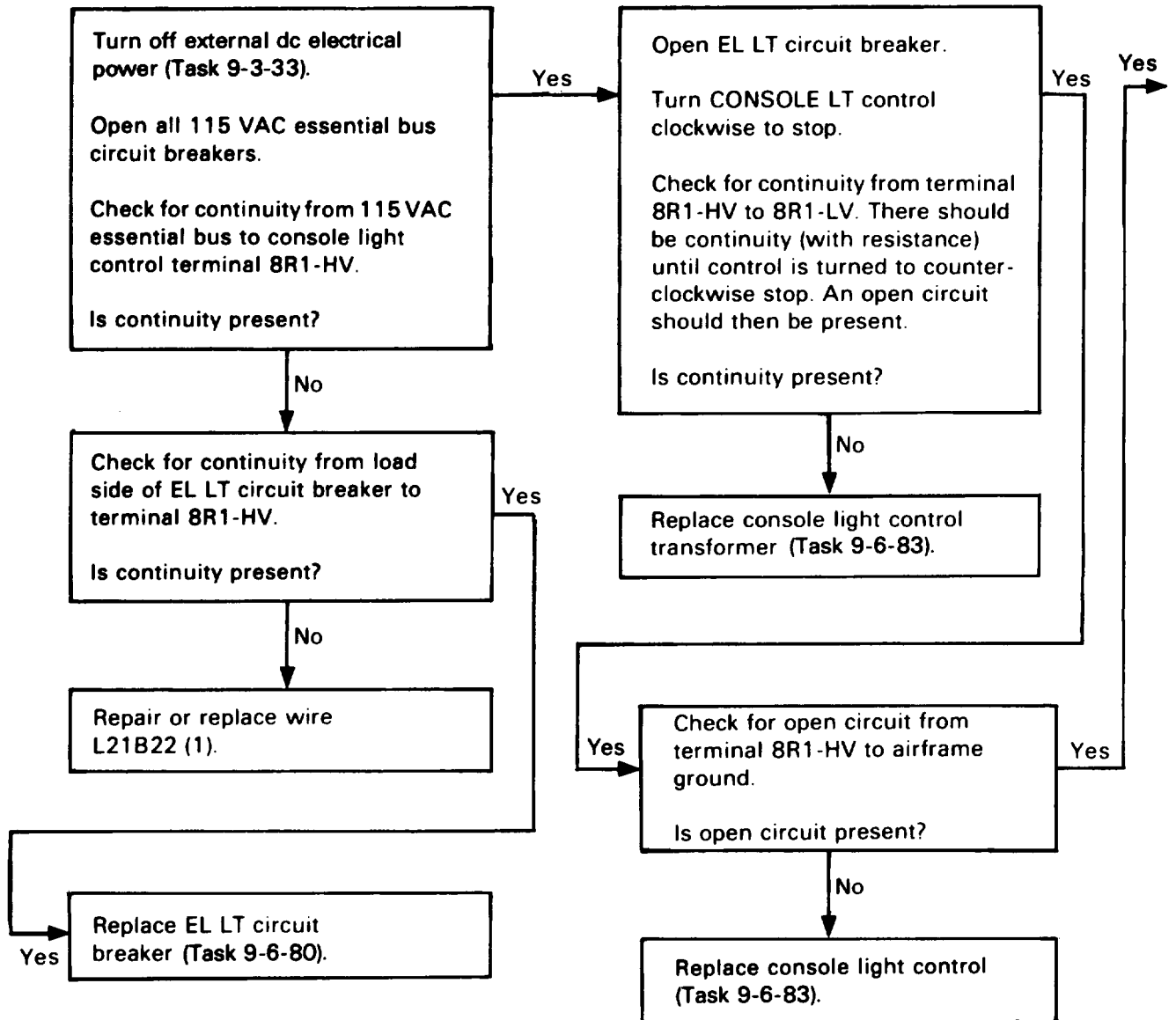
174. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER CAUSES DIMMING FOR CW ROTATION

Turn off external dc electrical power (Task 9-3-33).

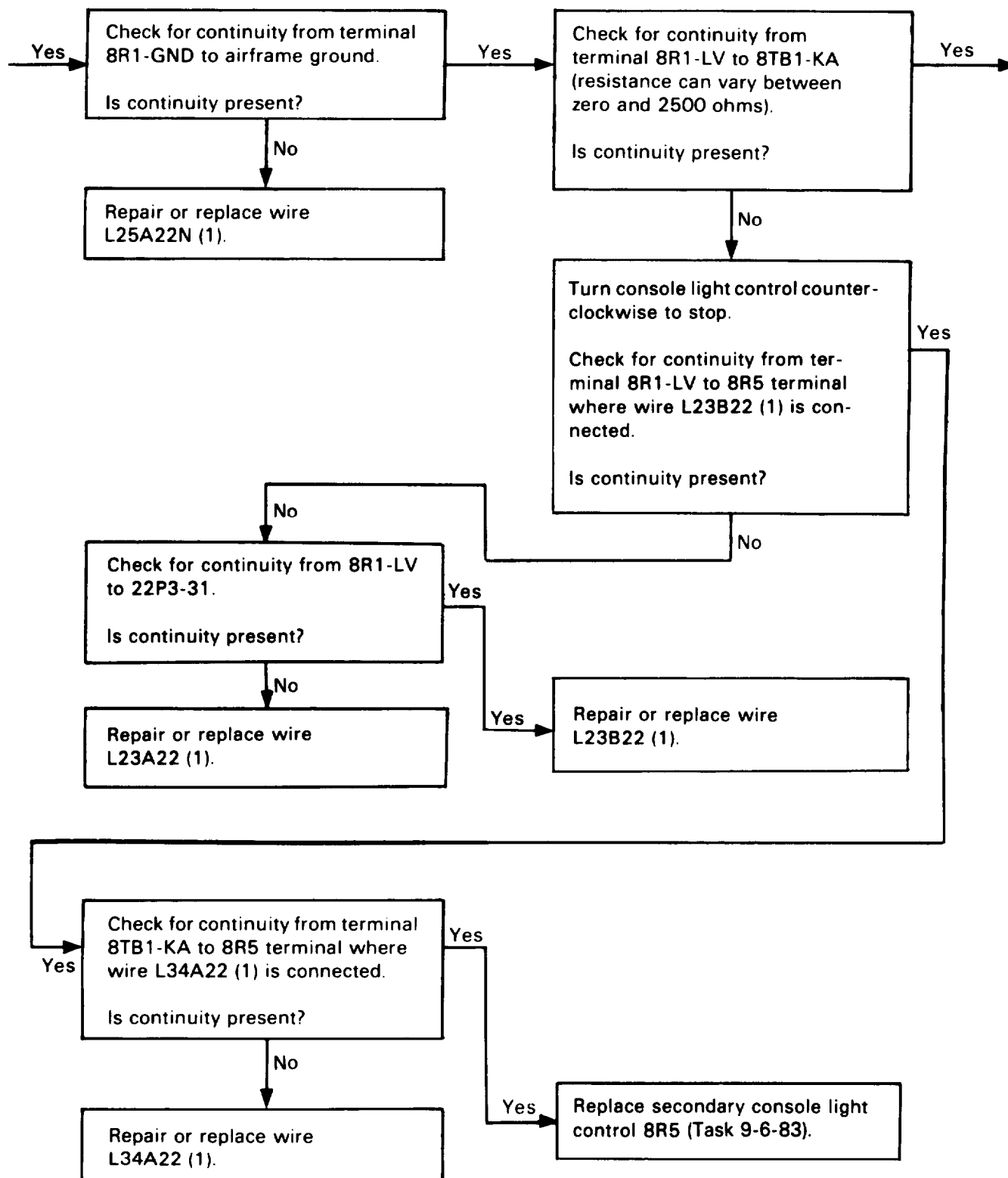
Remove wire L33A22 (1) from end of 8R6 and connect wire to other end of 8R6.



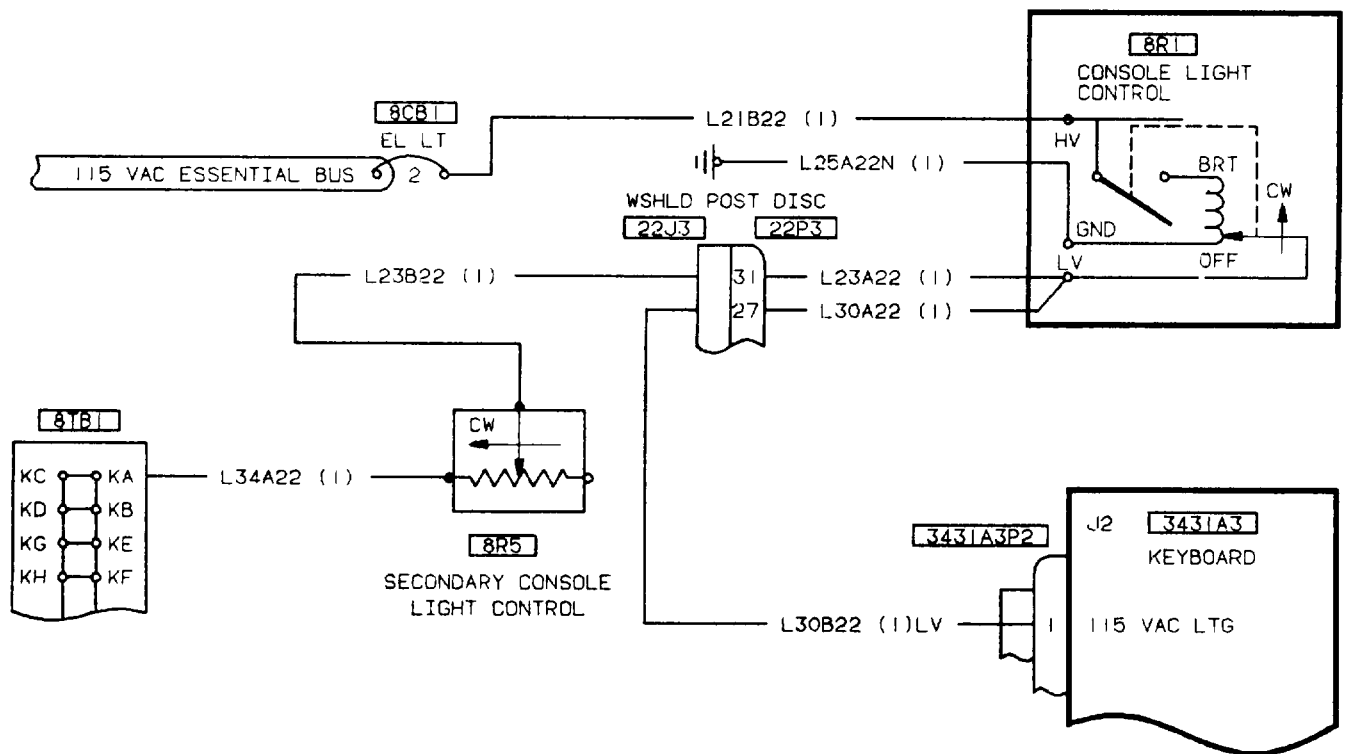
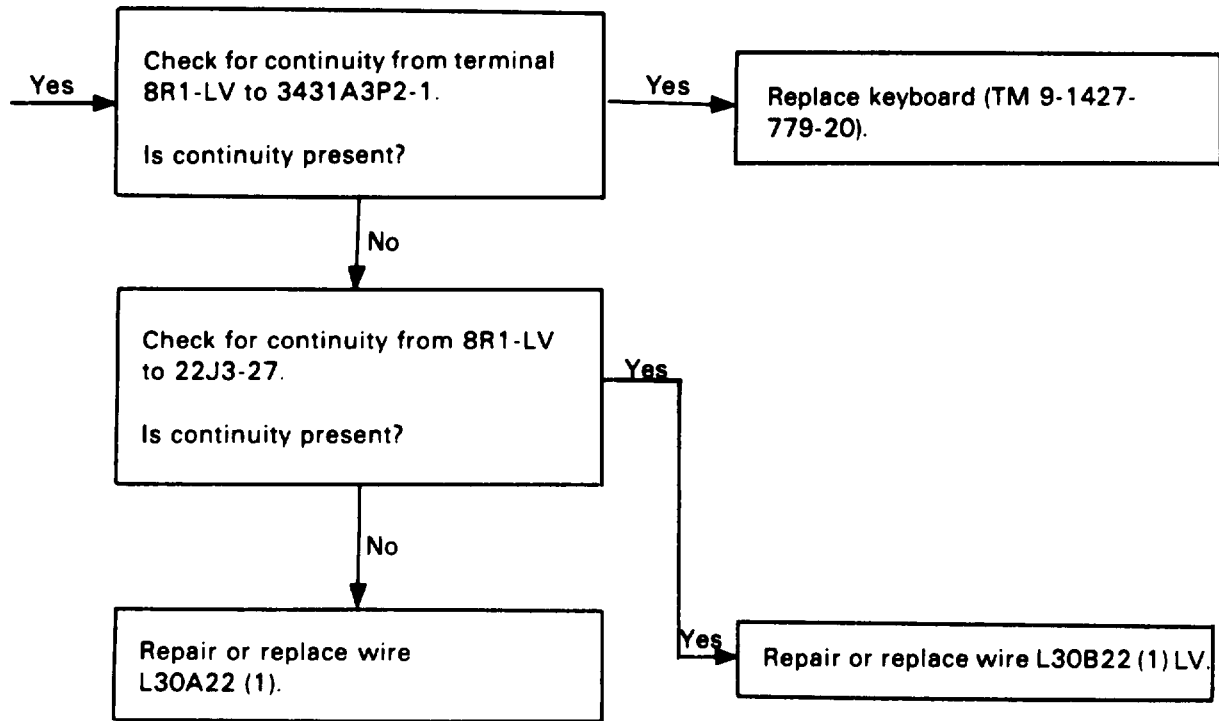
175. PANEL LIGHTS DO NOT COME ON WHEN CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT



175. PANEL LIGHTS DO NOT COME ON WHEN CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT (CONT)

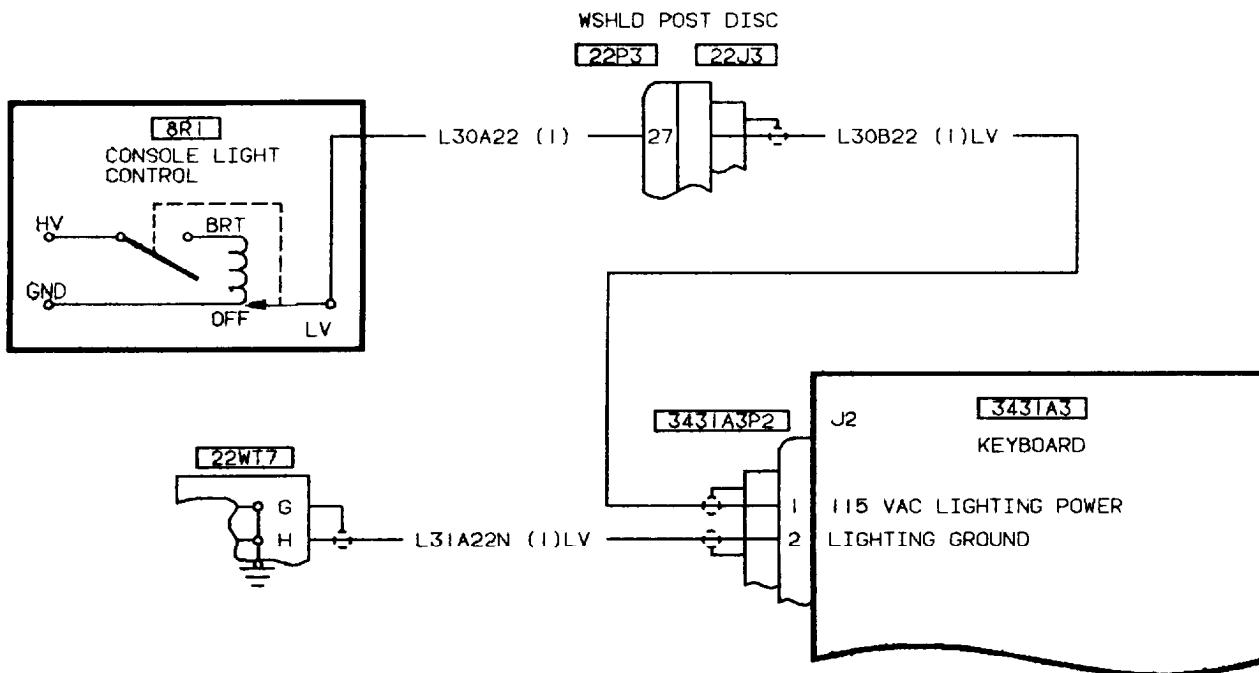
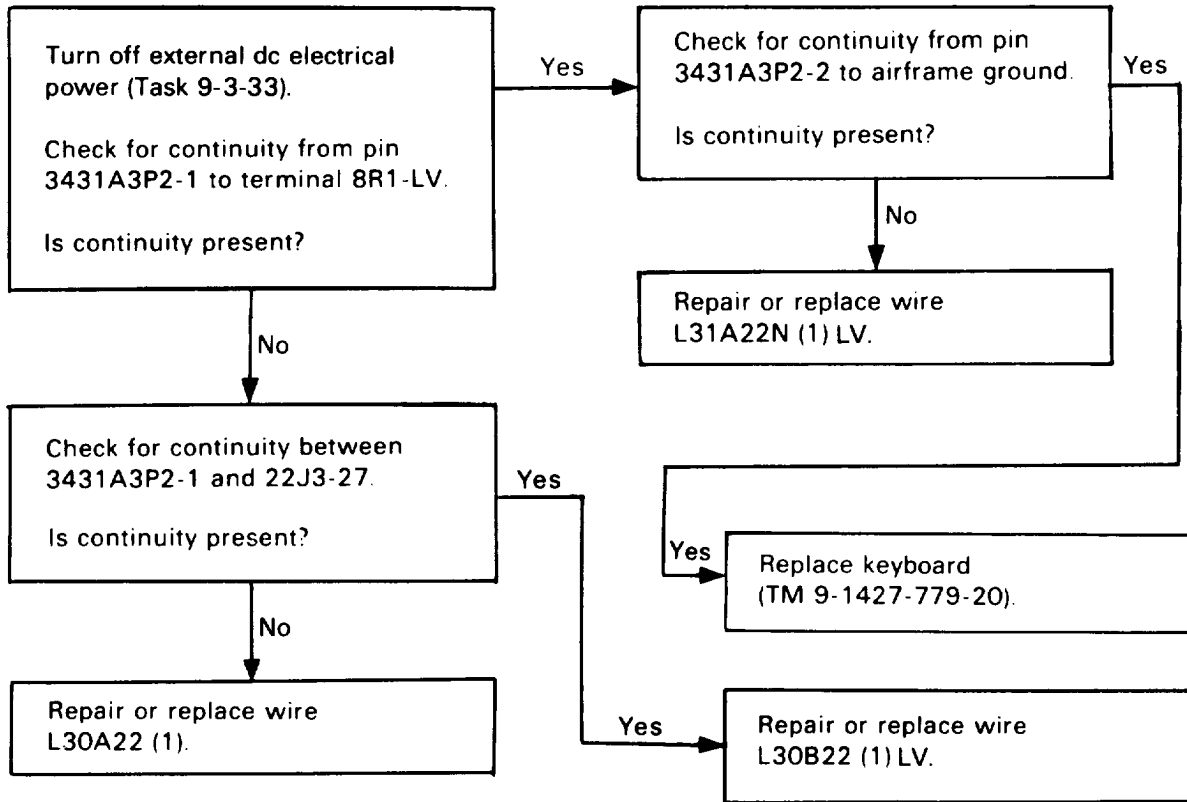


175. PANEL LIGHTS DO NOT COME ON WHEN CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT (CONT)



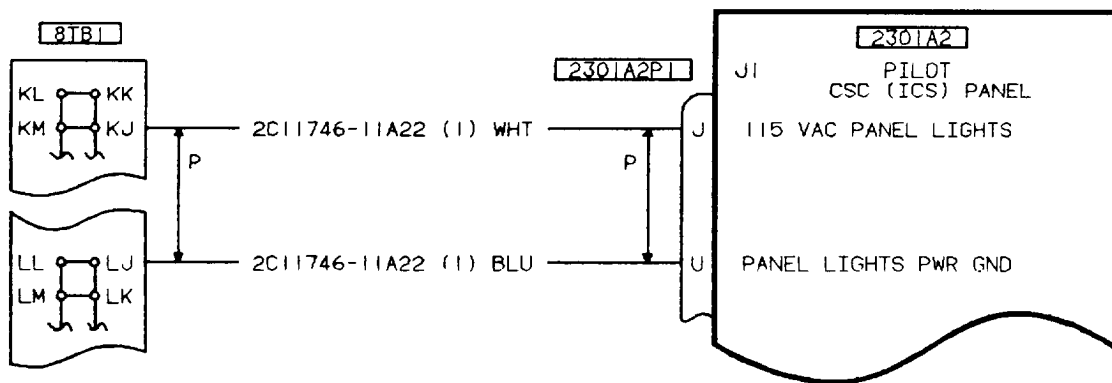
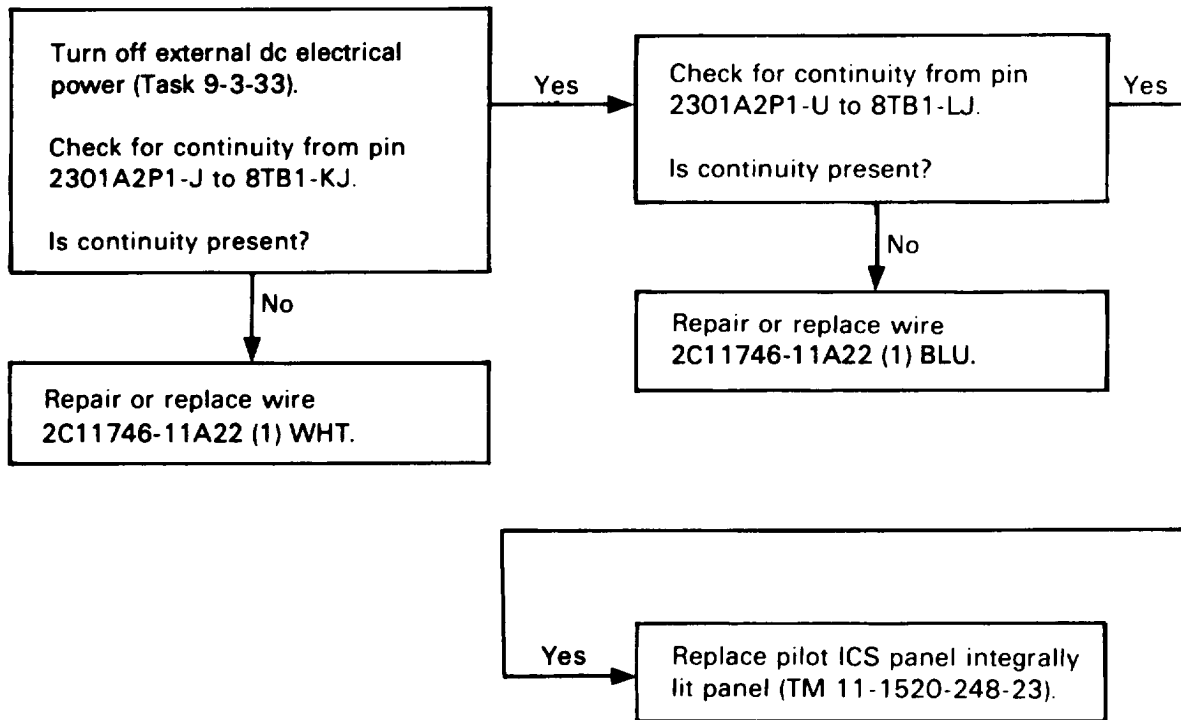
406475-483
G6285

176. KEYBOARD NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT



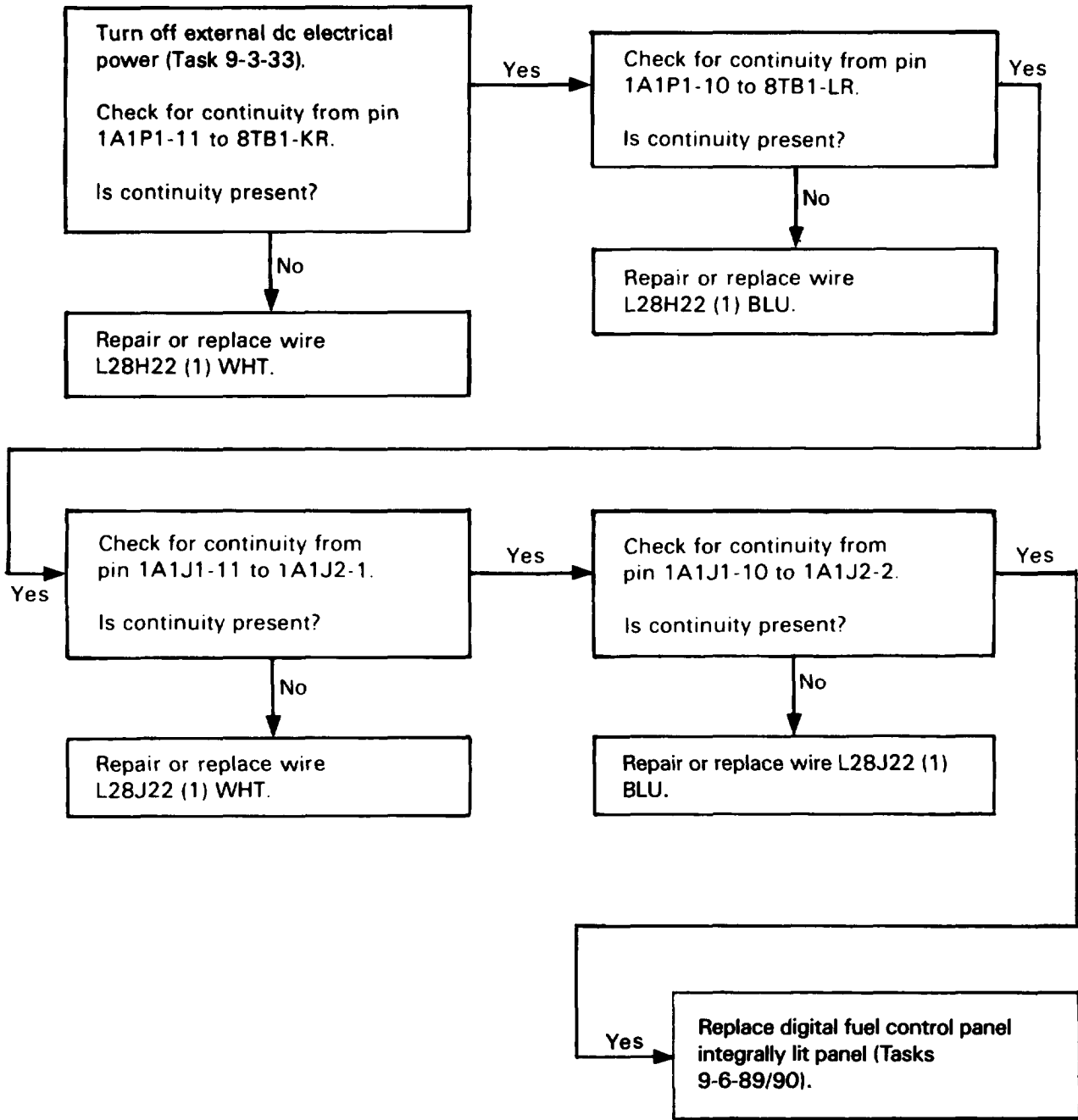
406475-484
H2085

177. PILOT INTERCOMMUNICATION SYSTEM (ICS) PANEL NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT

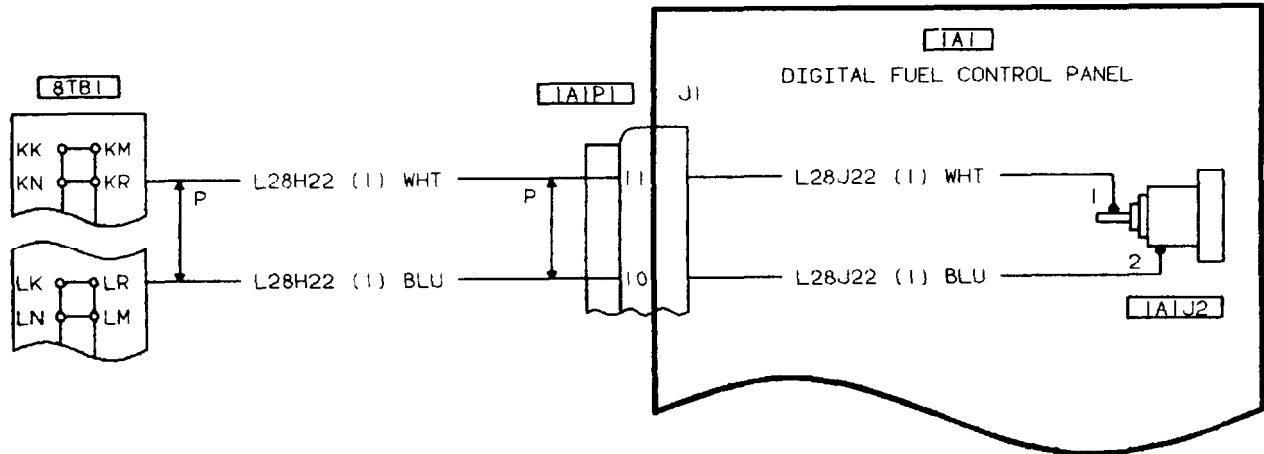


406477-39

178. DIGITAL FUEL CONTROL PANEL NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT

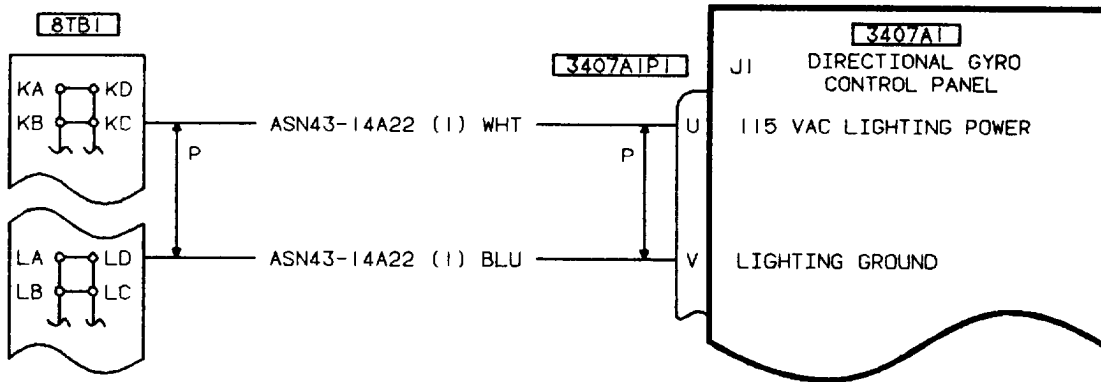
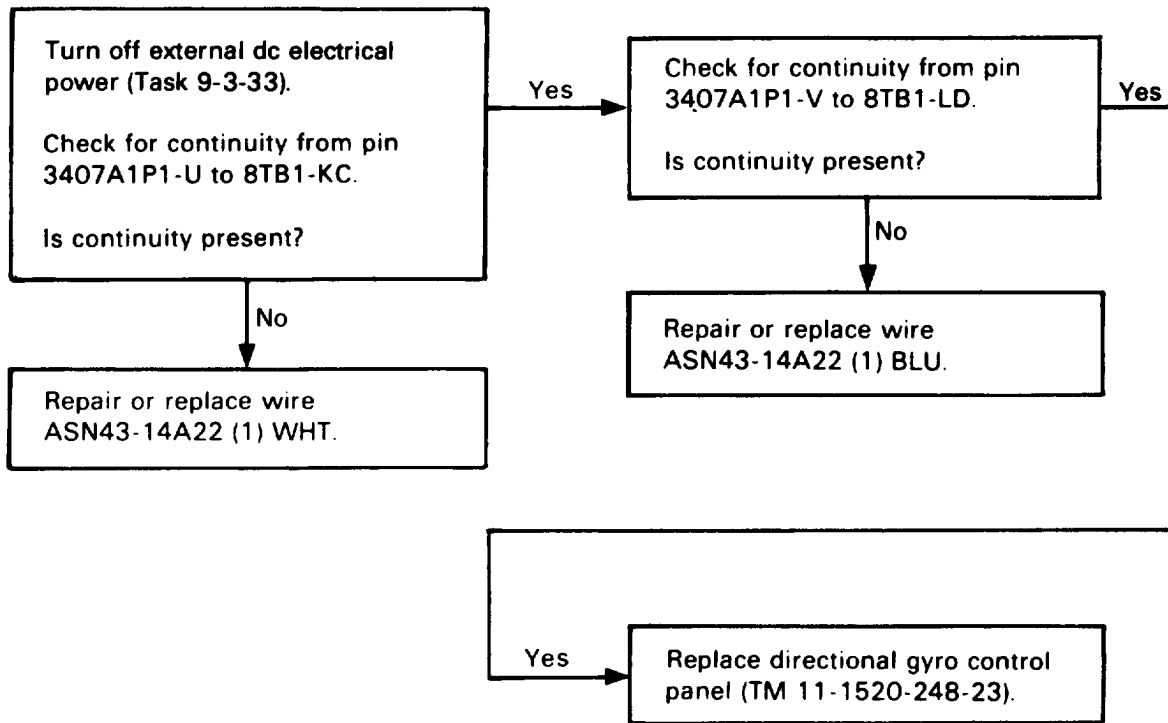


178. DIGITAL FUEL CONTROL PANEL NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT (CONT)

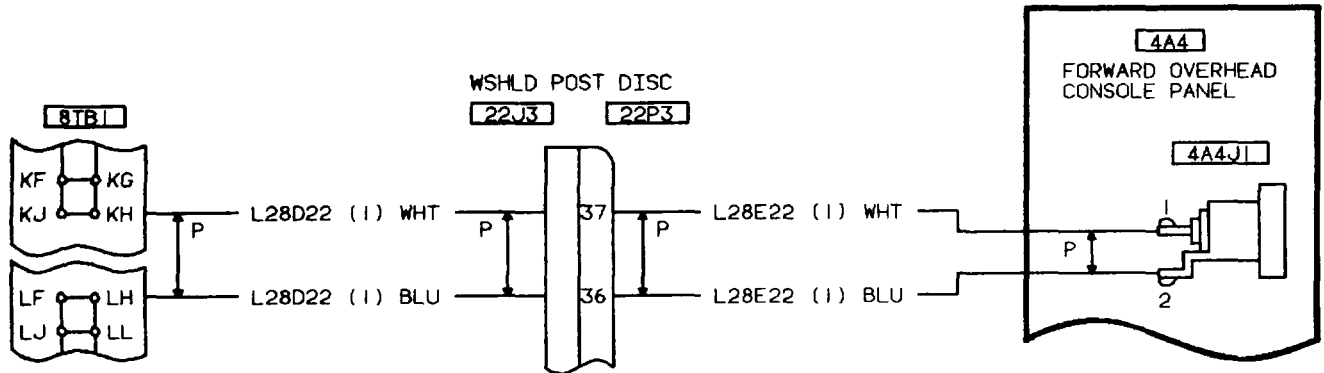
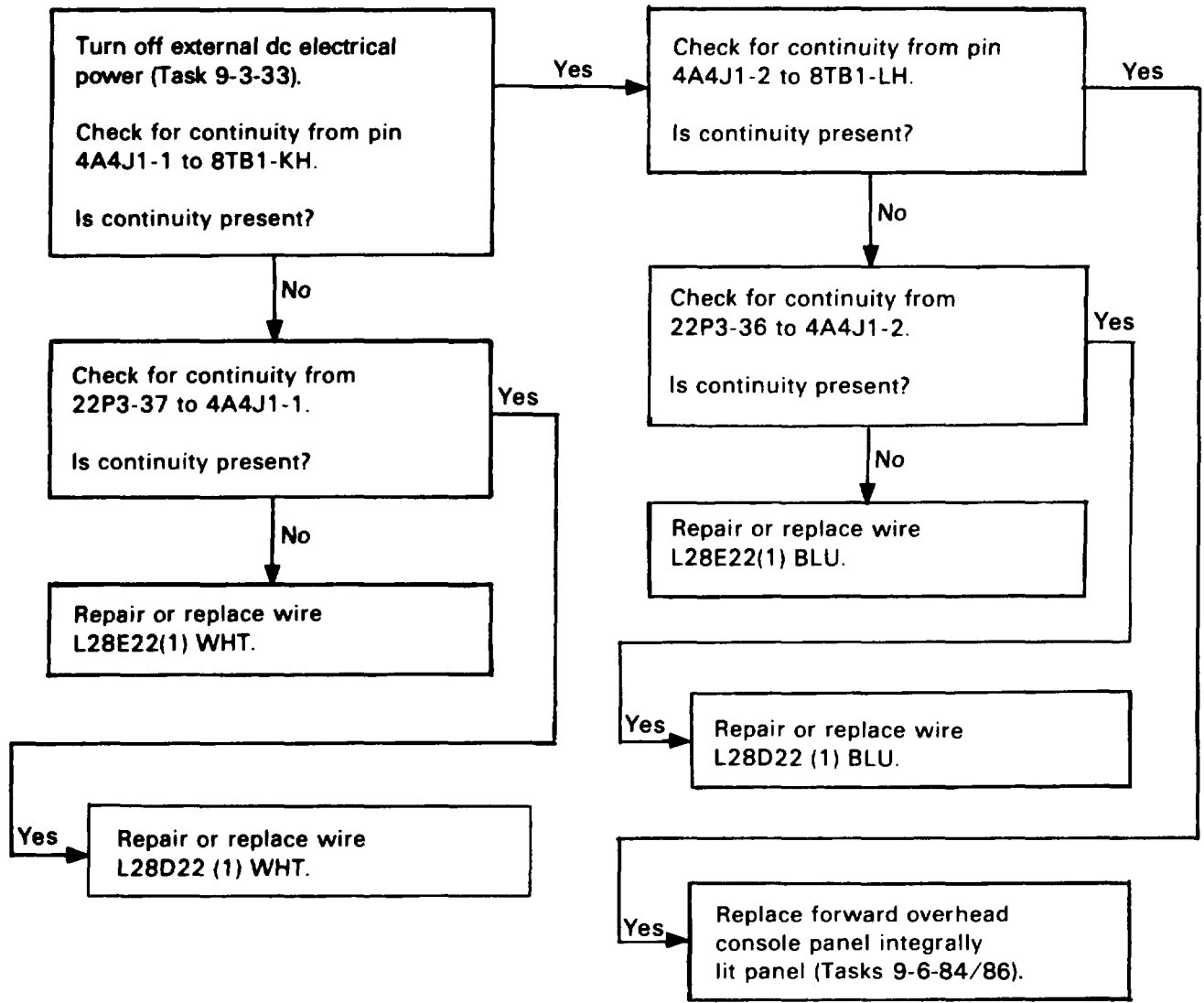


406475-462
H2107

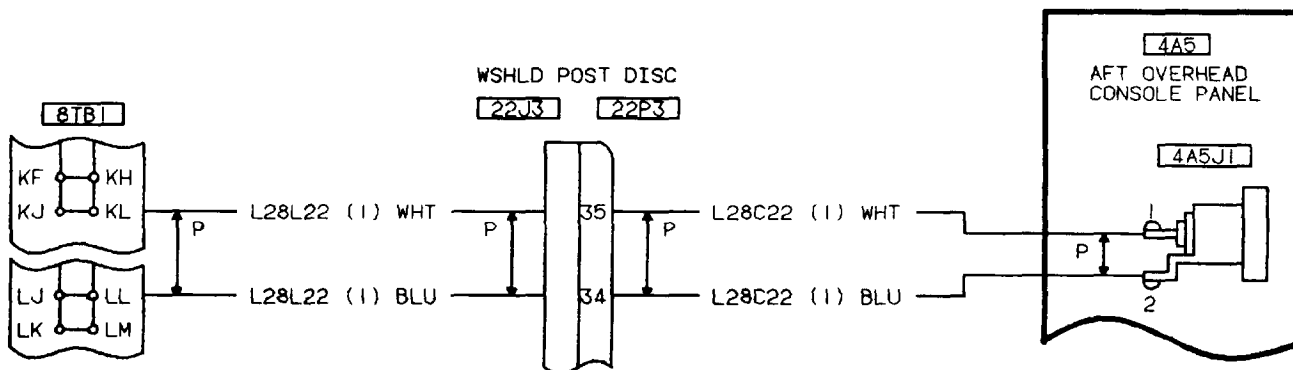
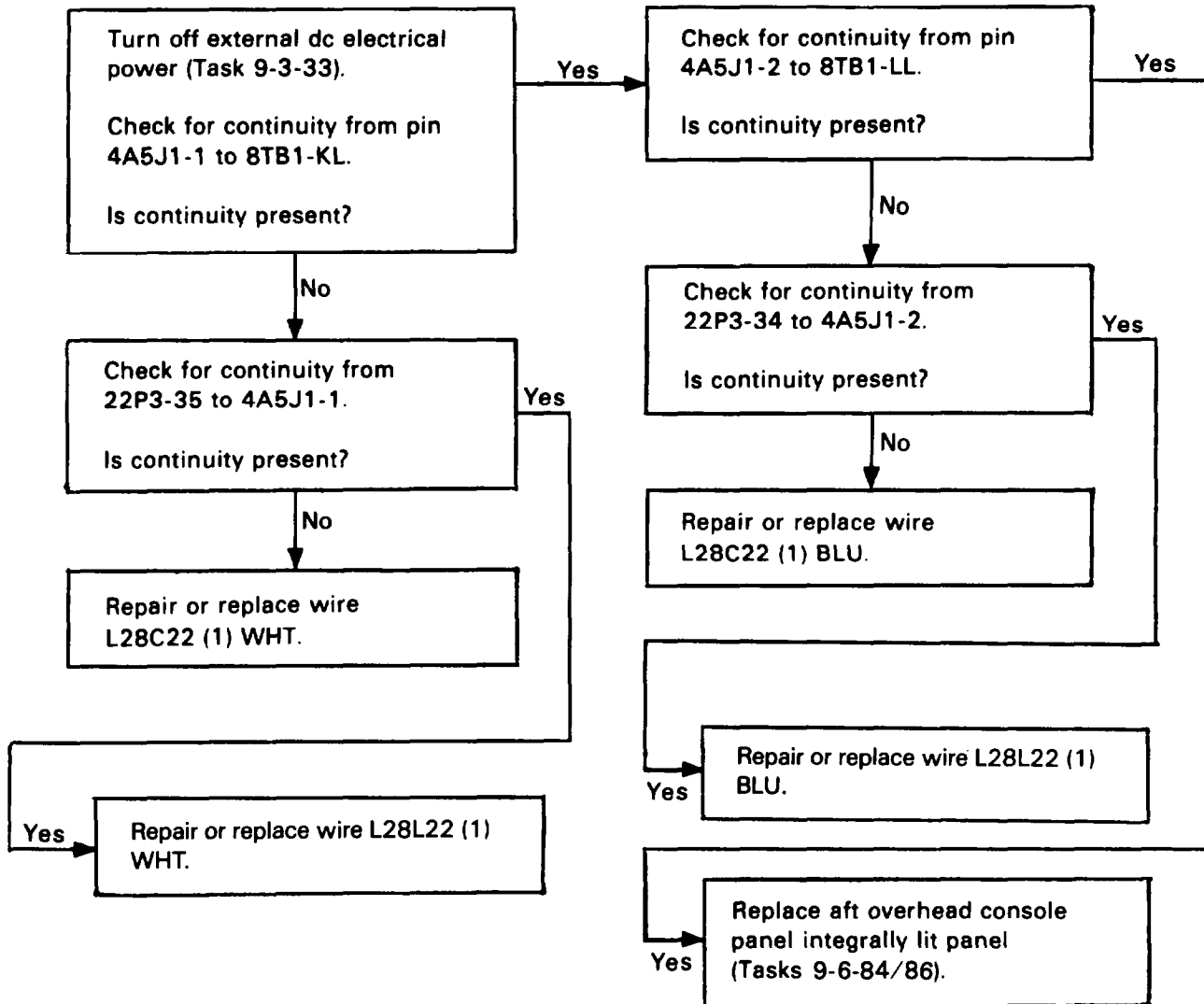
179. DIRECTIONAL GYRO CONTROL PANEL IS NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT



180. FORWARD OVERHEAD CONSOLE PANEL NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT

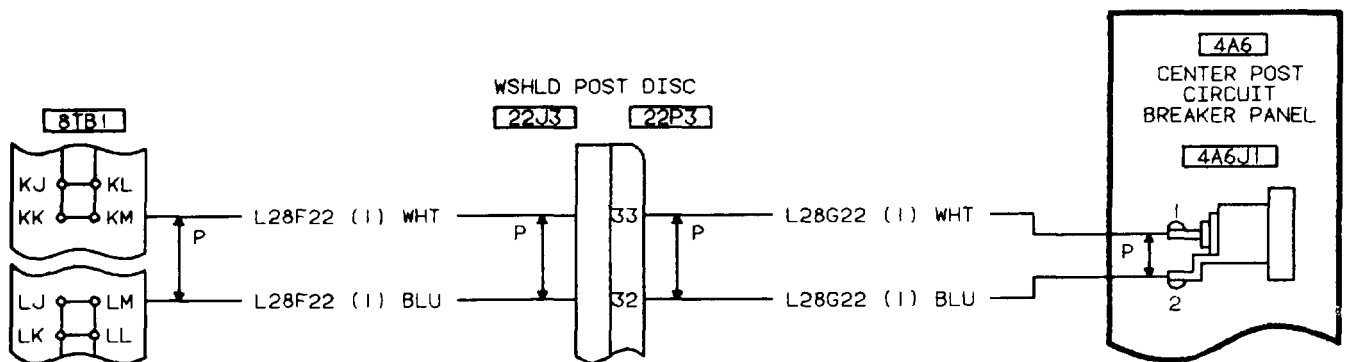
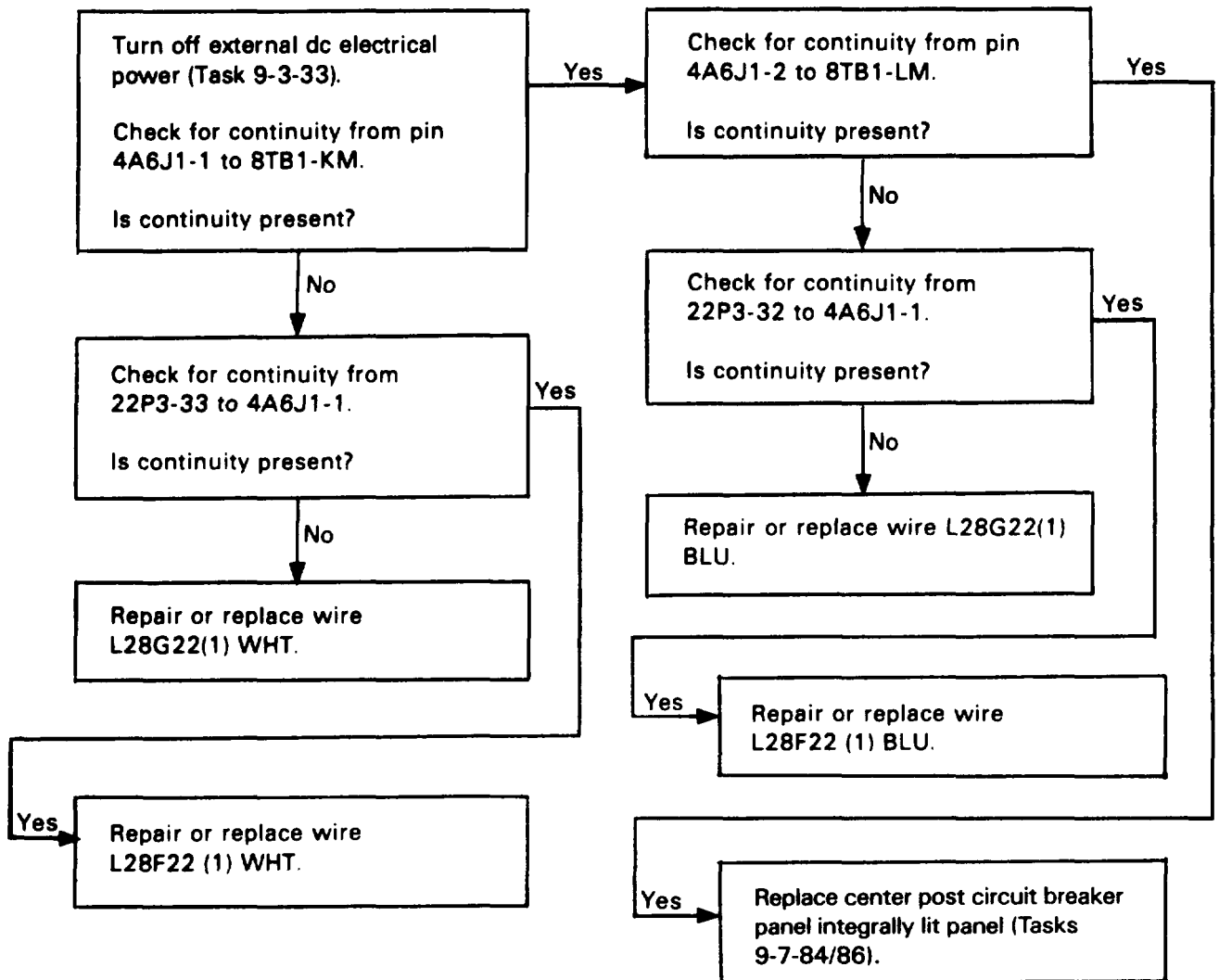


181. AFT OVERHEAD CONSOLE PANEL NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT

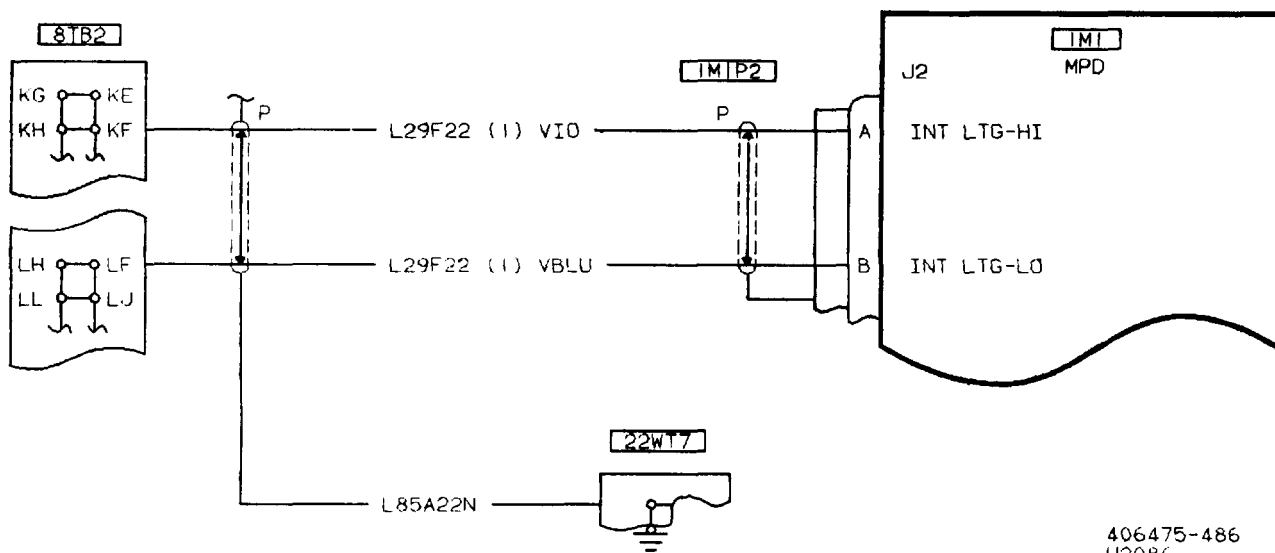
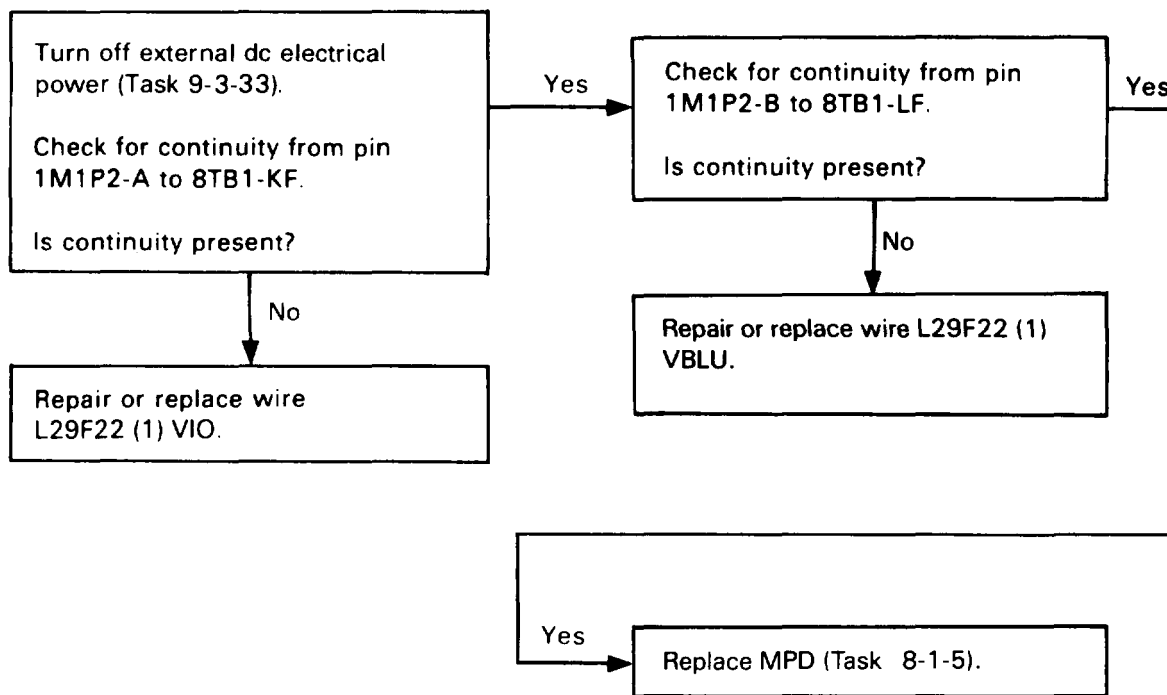


406475-485
G6288

182. CENTER POST CIRCUIT BREAKER PANEL NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT

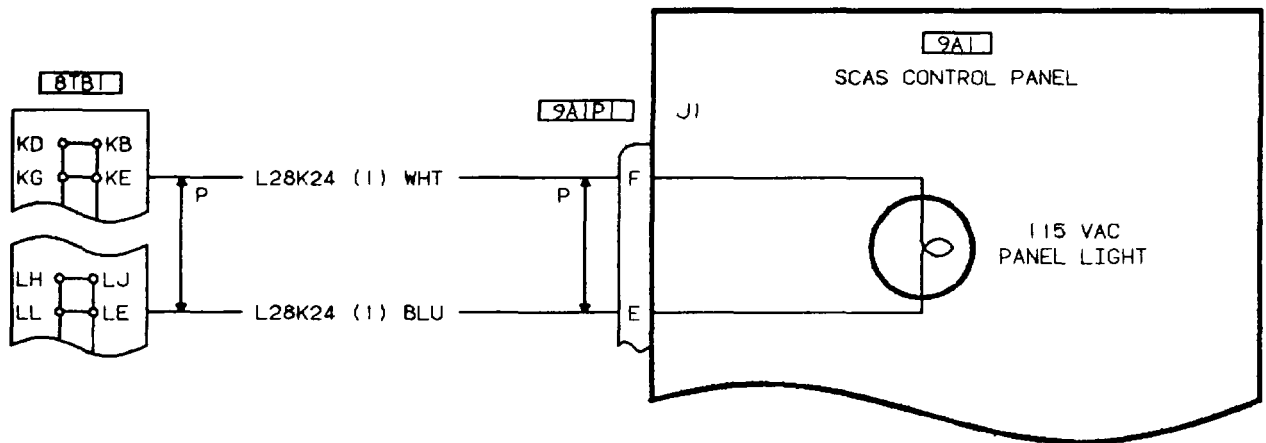
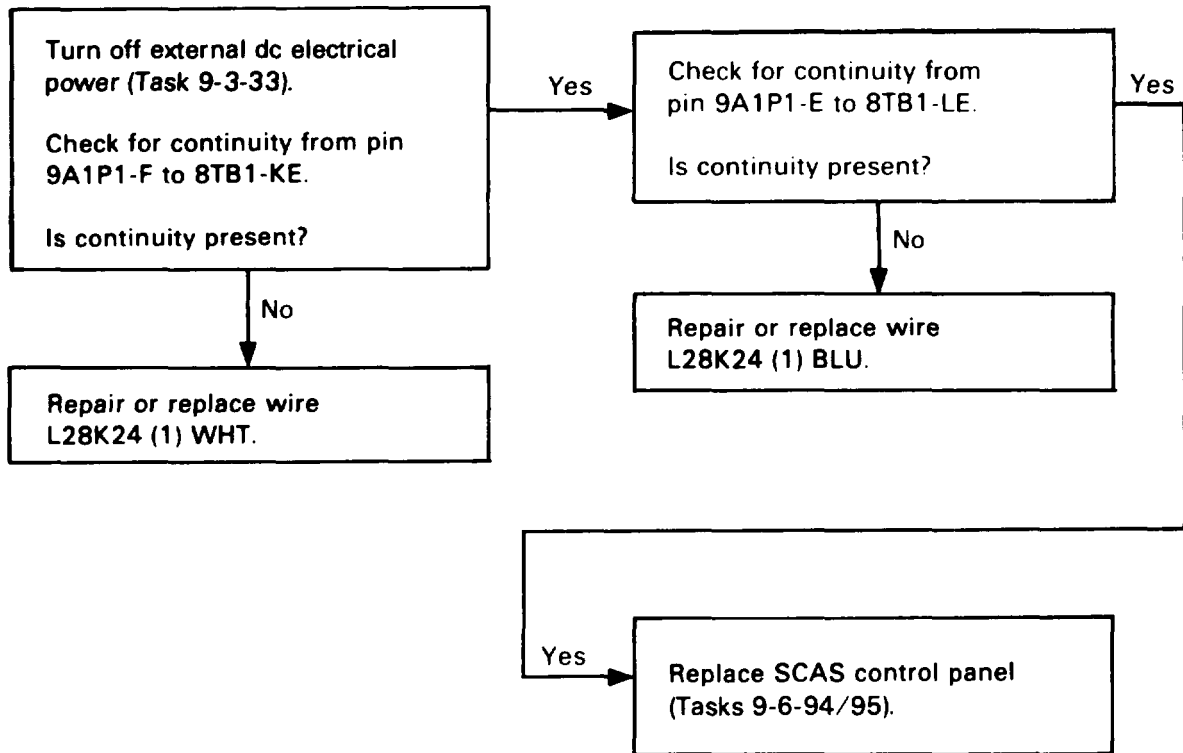


183. MULTIPARAMETER DISPLAY (MPD) NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT



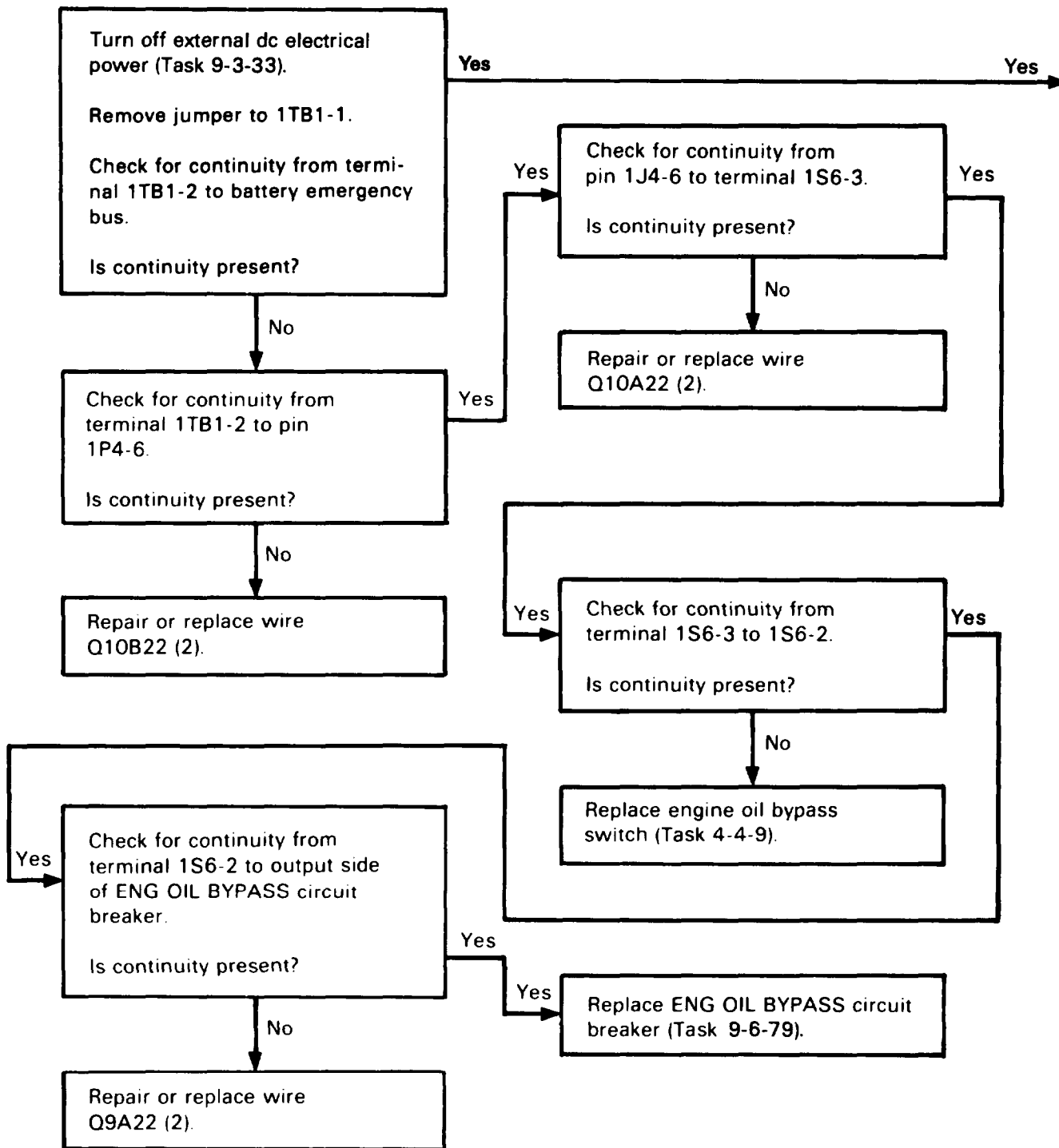
406475-486
H2086

184. STABILITY AND CONTROL AUGMENTATION SYSTEM (SCAS) CONTROL PANEL NOT LIT AFTER CONSOLE LT CONTROL IS TURNED FROM OFF TO BRT

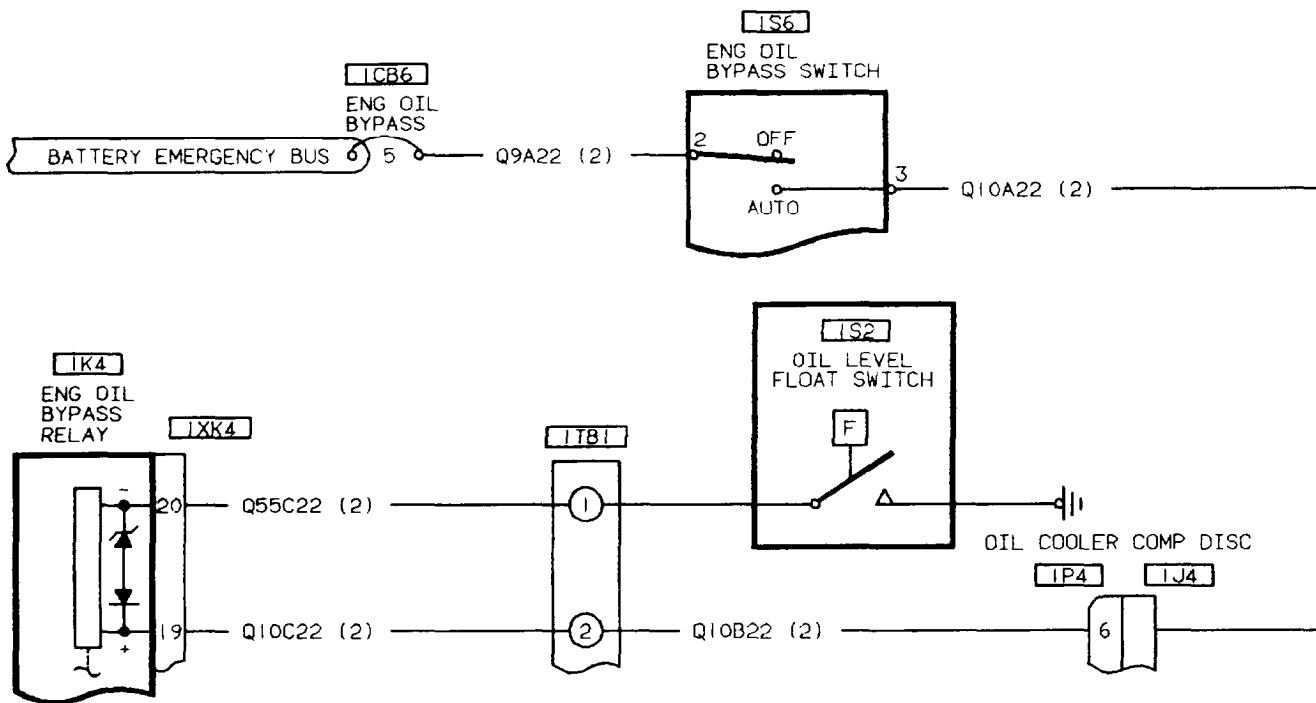
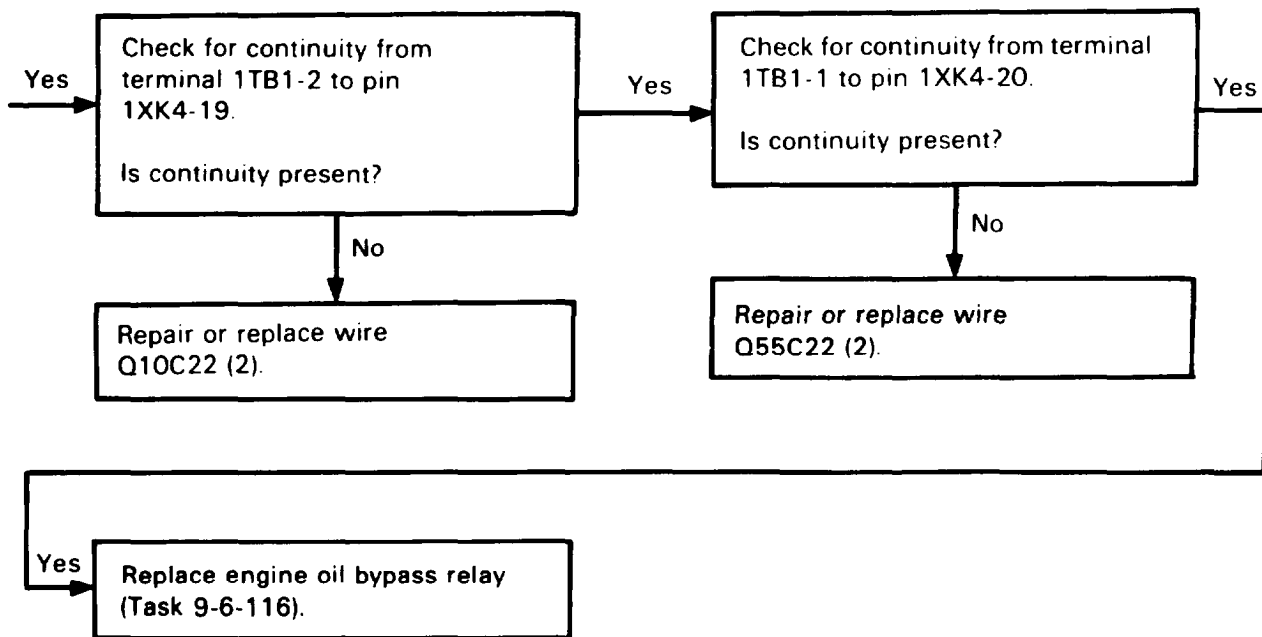


406475-465

185. ENGINE OIL BYPASS RELAY NOT ACTUATED (NO VOLTAGE ON 1TB - 3) (1TB1 - 1 JUMPERED TO GROUND AND ENG OIL BYPASS SWITCH SET TO AUTO)

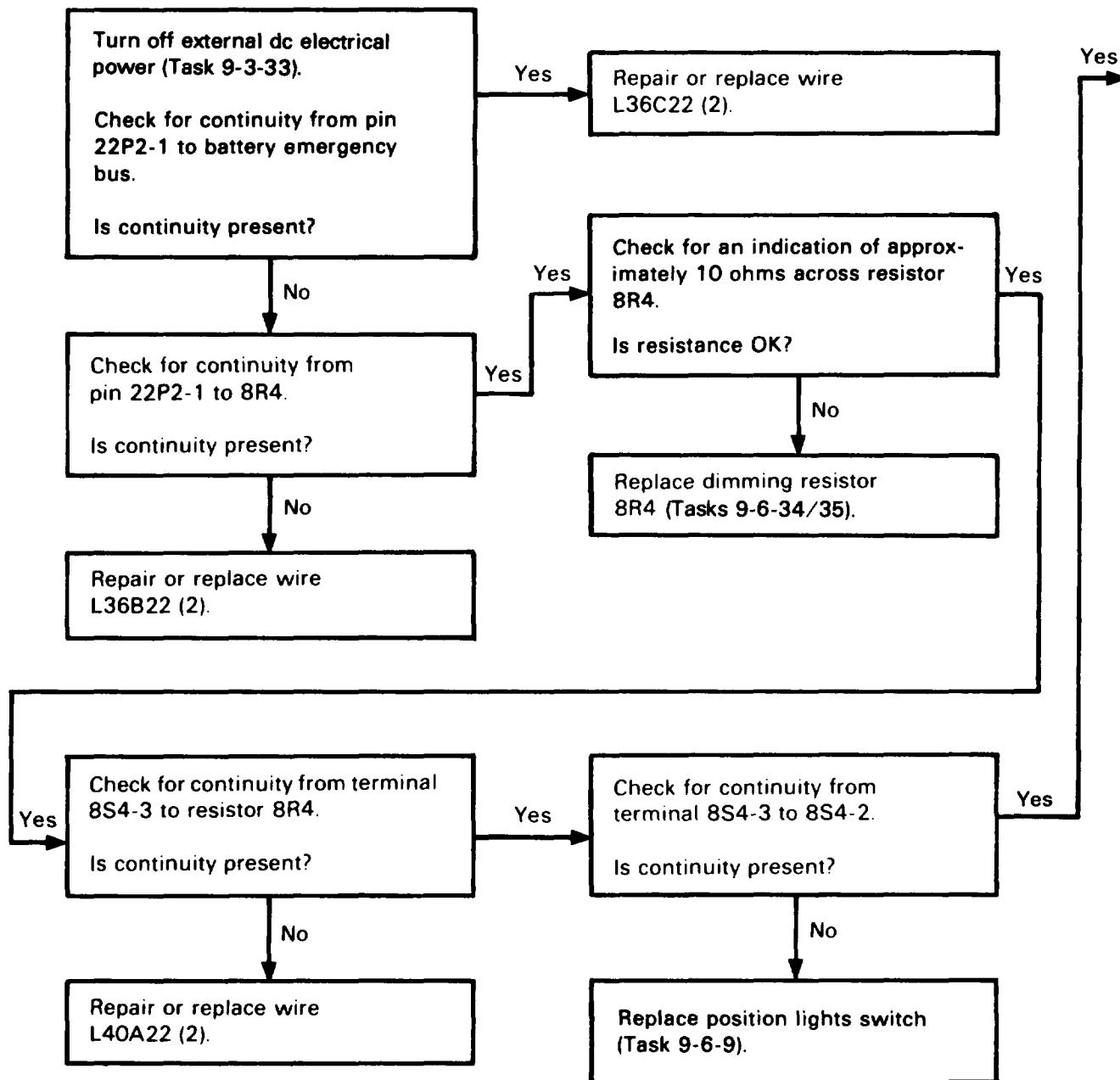


185. ENGINE OIL BYPASS RELAY NOT ACTUATED (NO VOLTAGE ON 1TB1 - 3) (1TB1 -1 JUMPERED TO GROUND AND ENG OIL BYPASS SWITCH SET TO AUTO) (CONT)

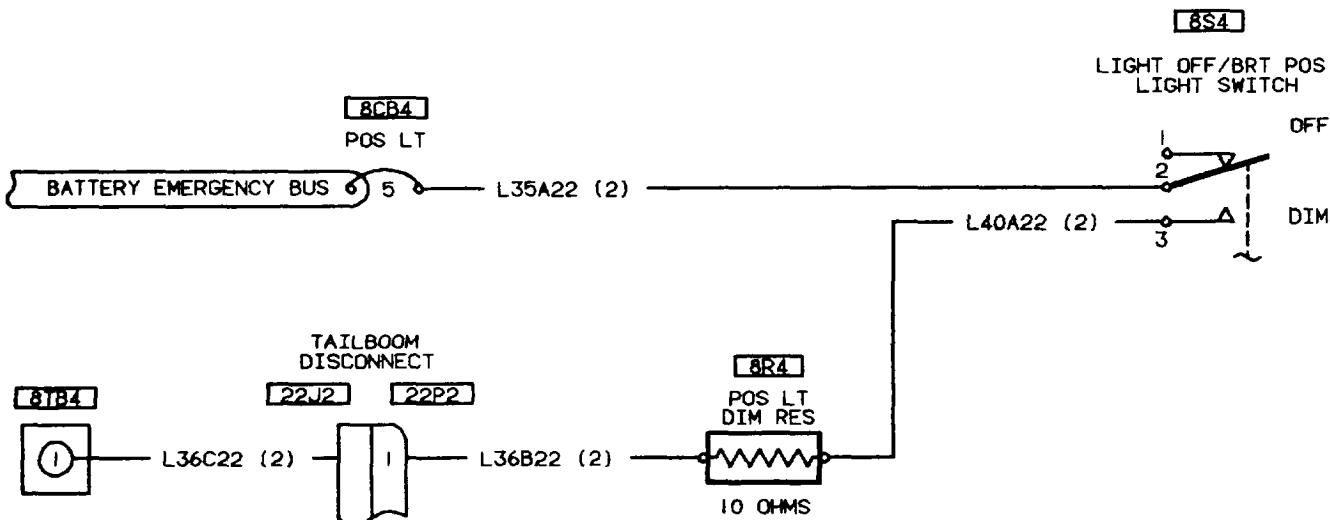
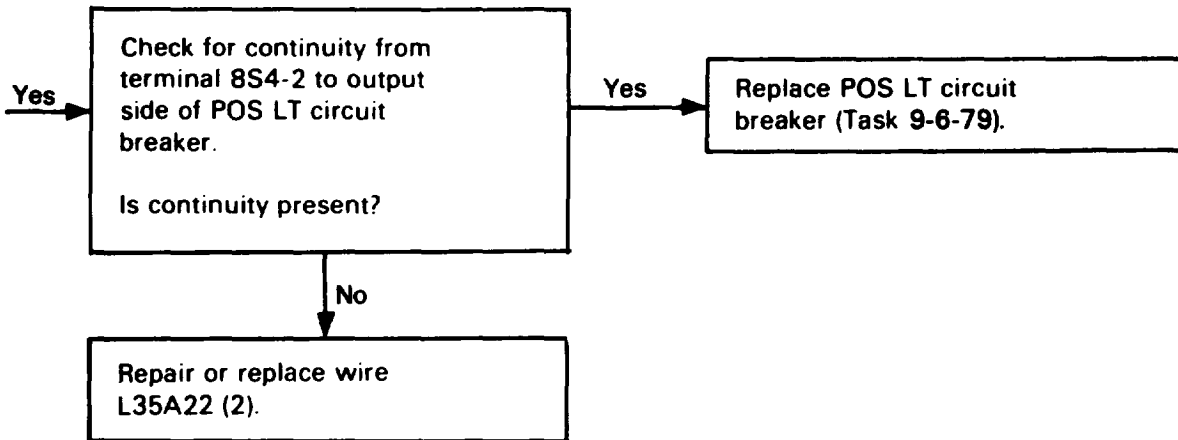


406475-487
G6290

186. POSITION LIGHTS DO NOT COME ON (POSITION LIGHTS SWITCH SET TO DIM)



186. POSITION LIGHTS DO NOT COME ON (POSITION LIGHTS SWITCH SET TO DIM) (CONT)



406475-466

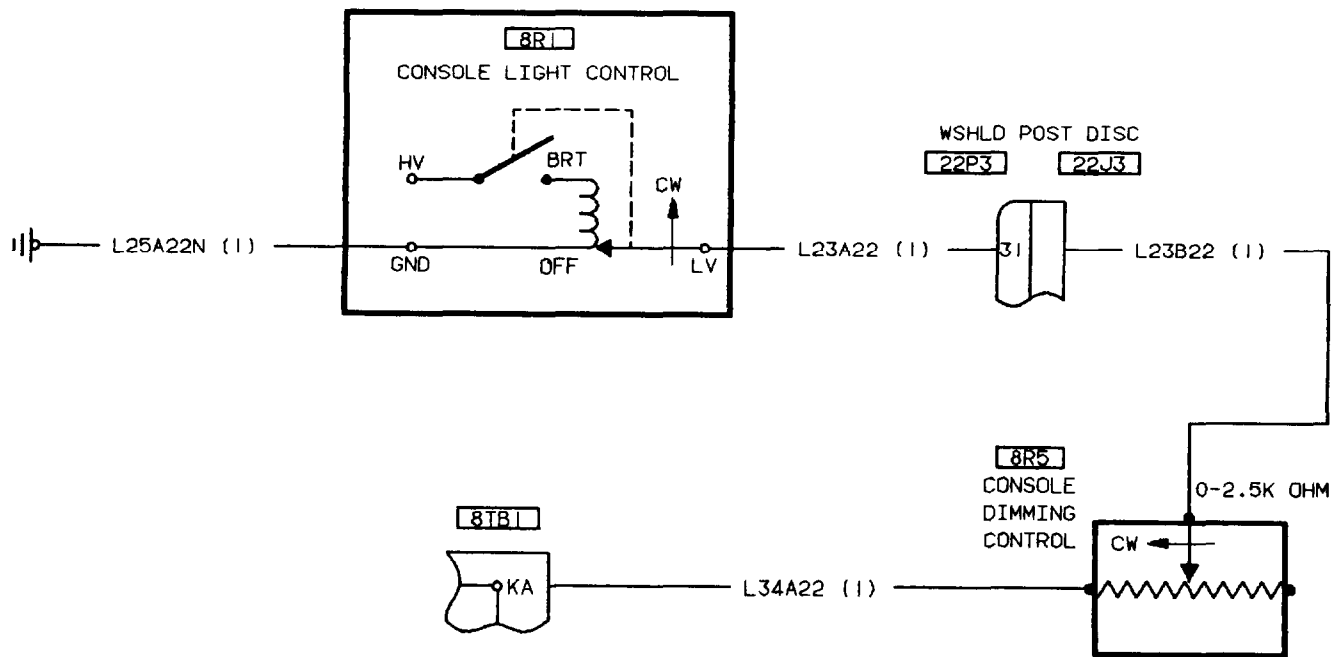
187. CONSOLE DIMMING CONTROL CAUSES PANELS TO DIM WHEN SHAFT IS TURNED CLOCKWISE

Turn off external dc electrical power (Task 9-3-33).

Turn control 8R5 clockwise until 0 ohm is indicated from wiper to one terminal of 8R5.

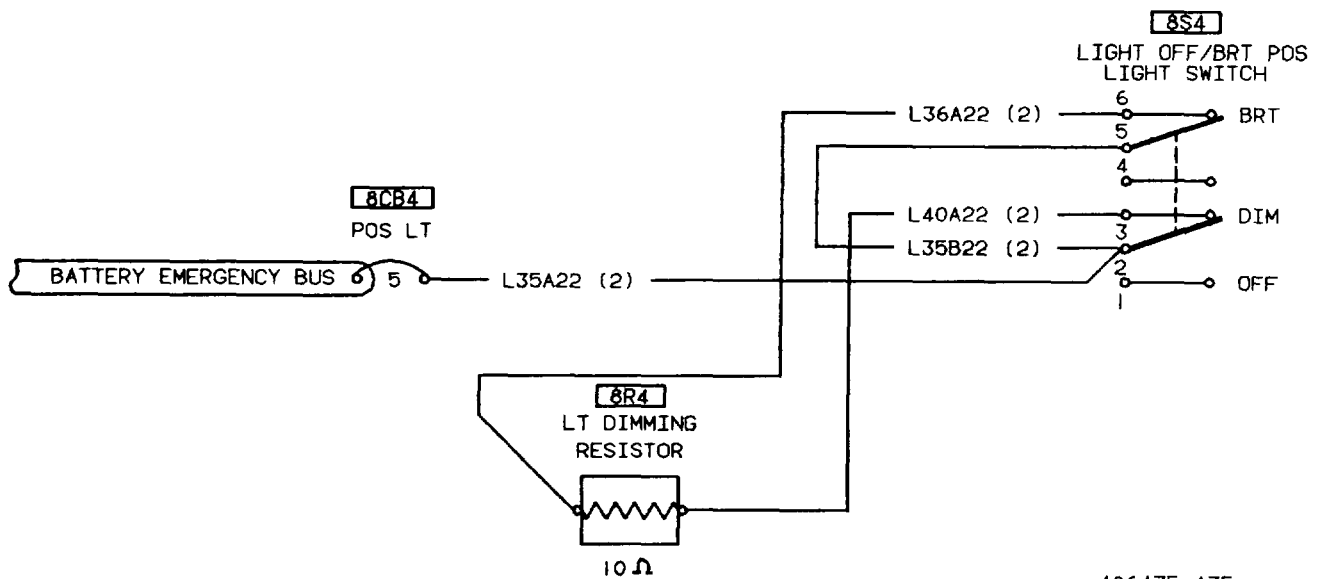
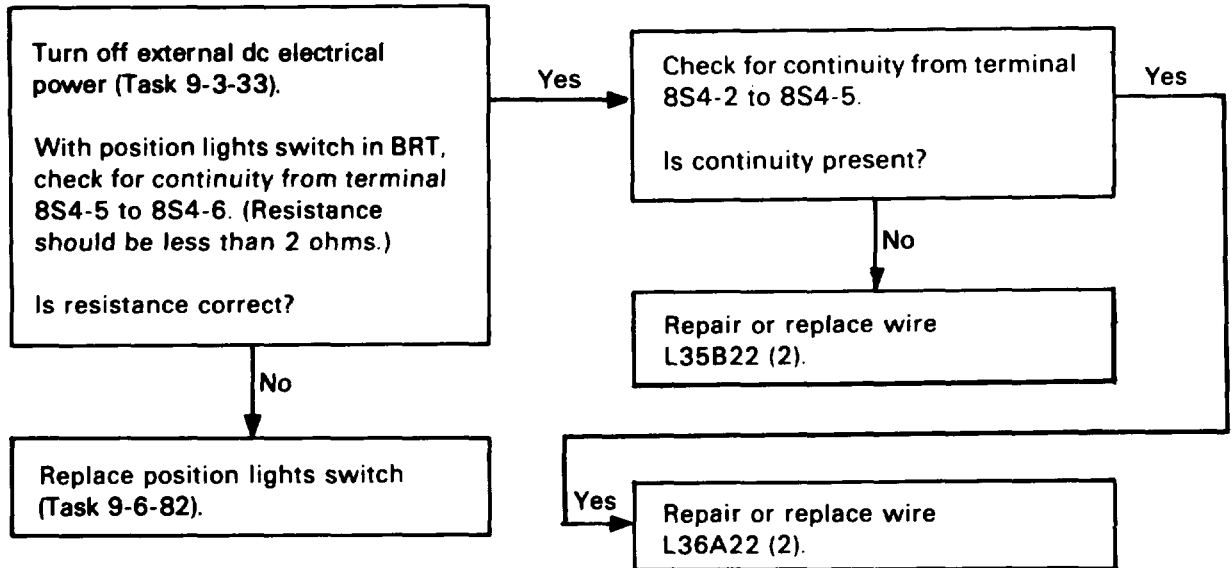
Connect wire L23B22 (1) to 8R5 wiper and wire L34A22 (1) to terminal that indicated 0 ohms.

Perform operational check (Task 9-1-49).



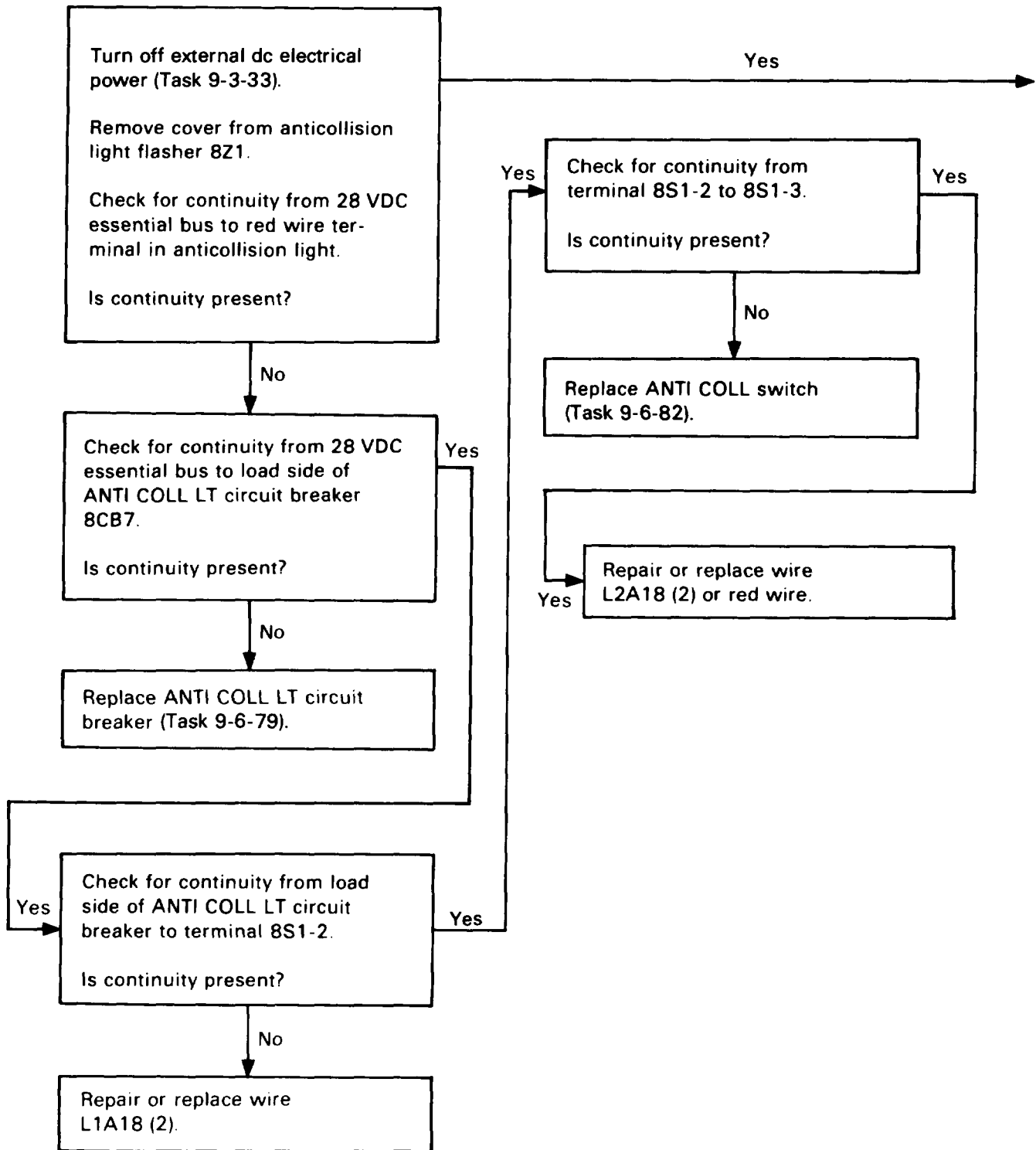
406475-467

188. POSITION LIGHTS DO NOT GET BRIGHT WHEN SWITCHED FROM DIM TO BRT

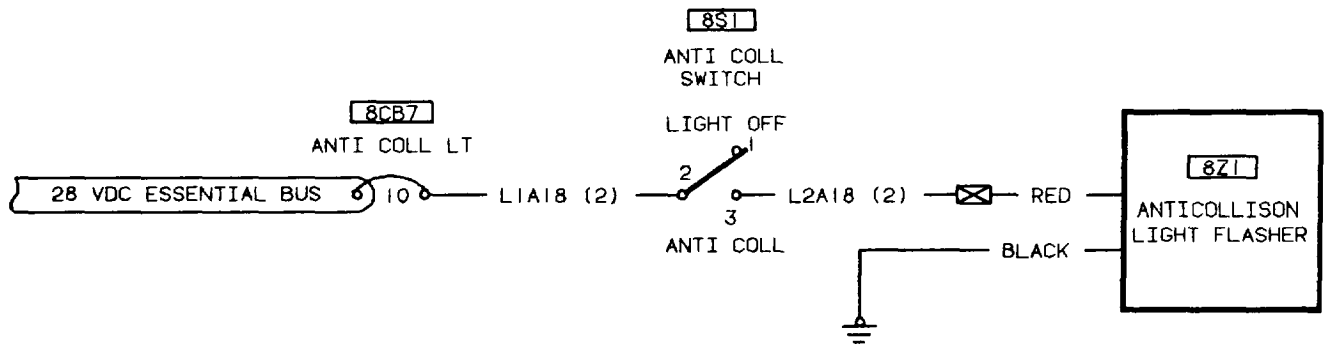
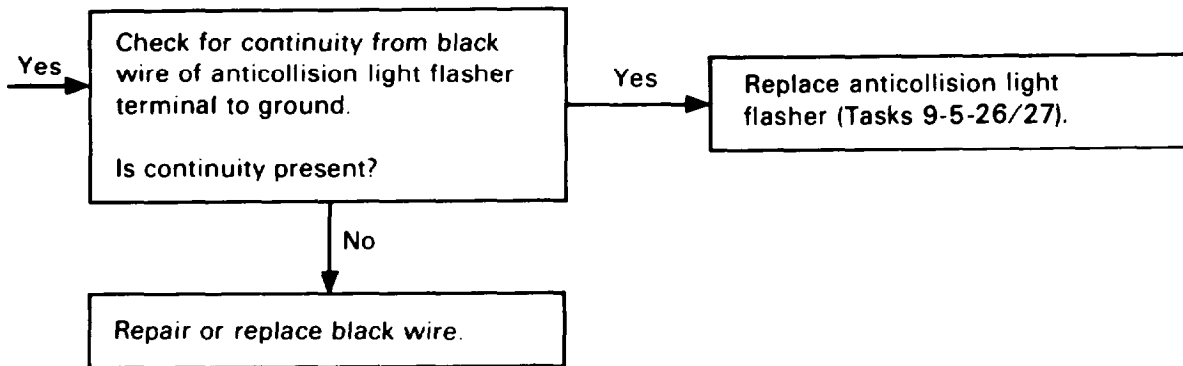


406475-435

189. ANTICOLLISION LIGHTS DO NOT FLASH (ANTI COLL SWITCH IN ANTI COLL)

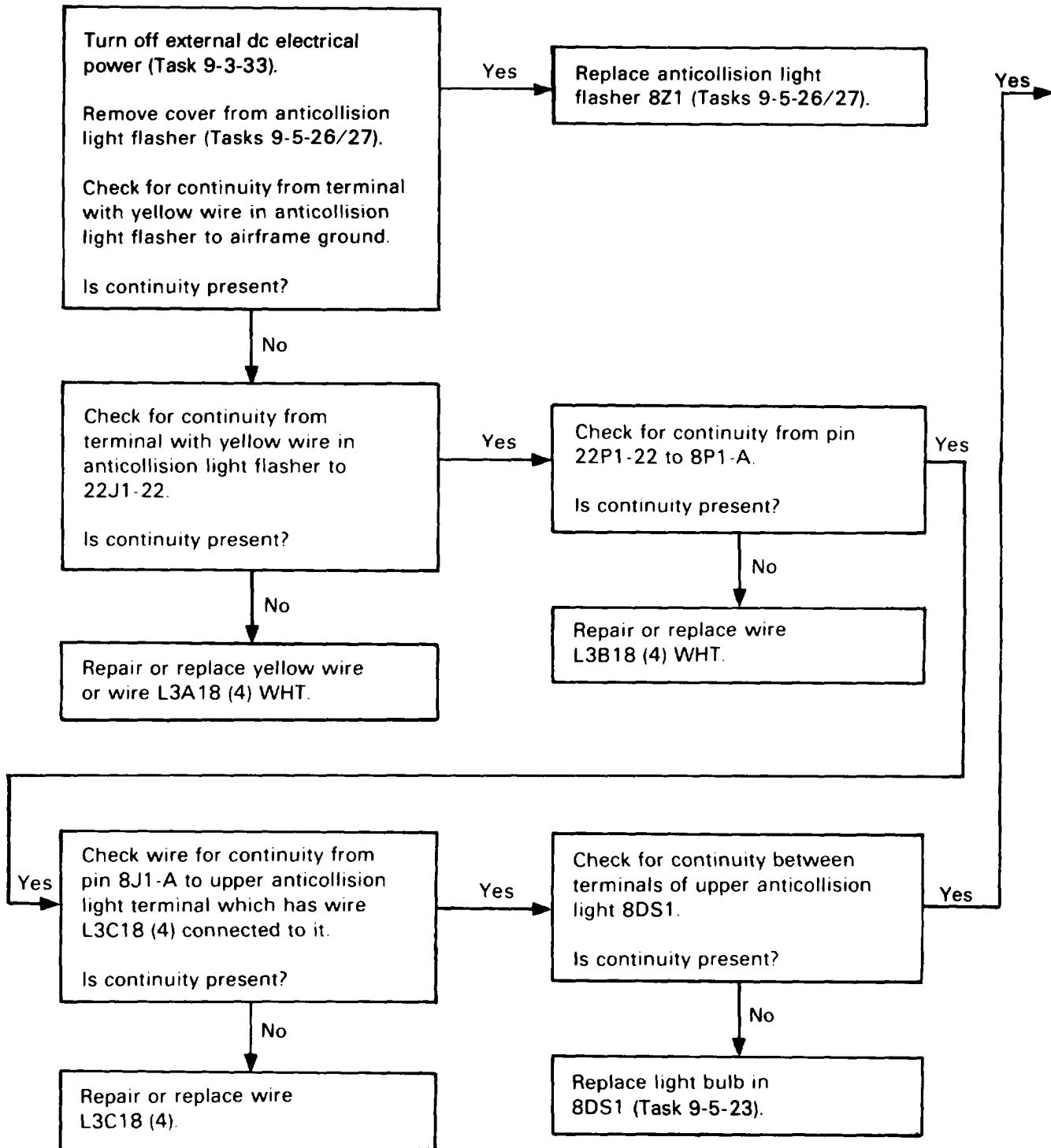


189. ANTICOLLISION LIGHTS DO NOT FLASH (ANTI COLL SWITCH IN ANTI COLL) (CONT)

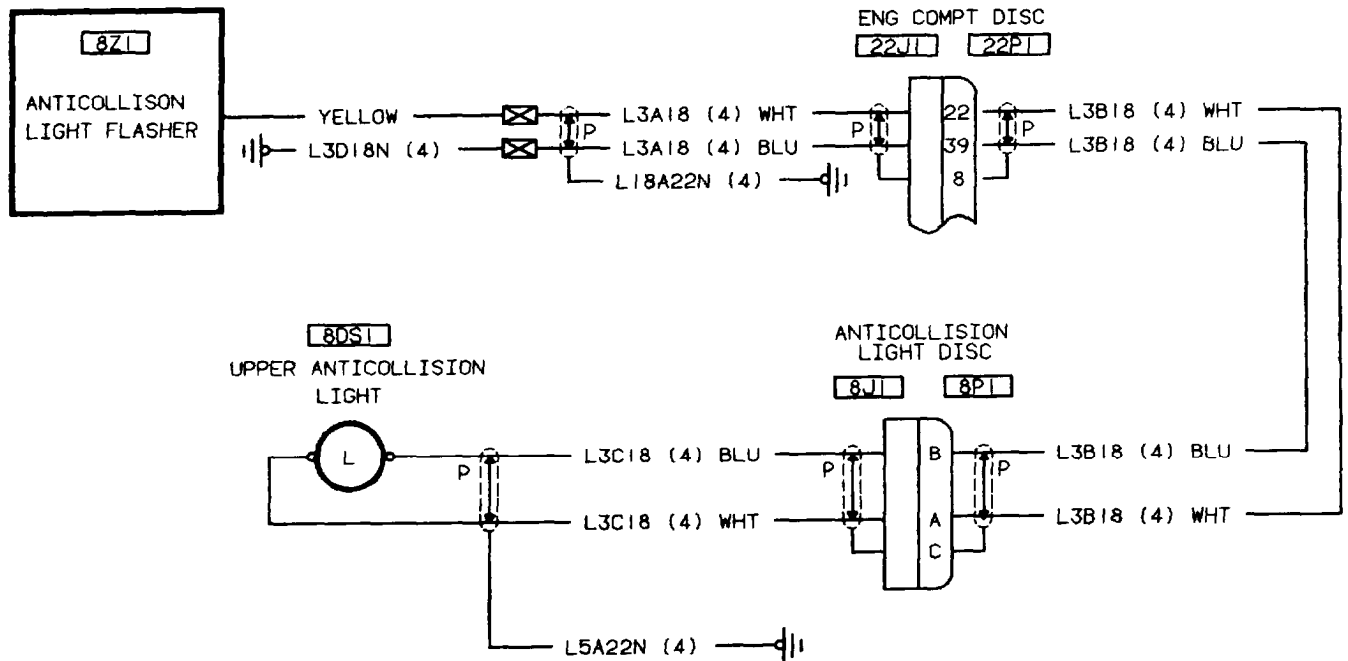
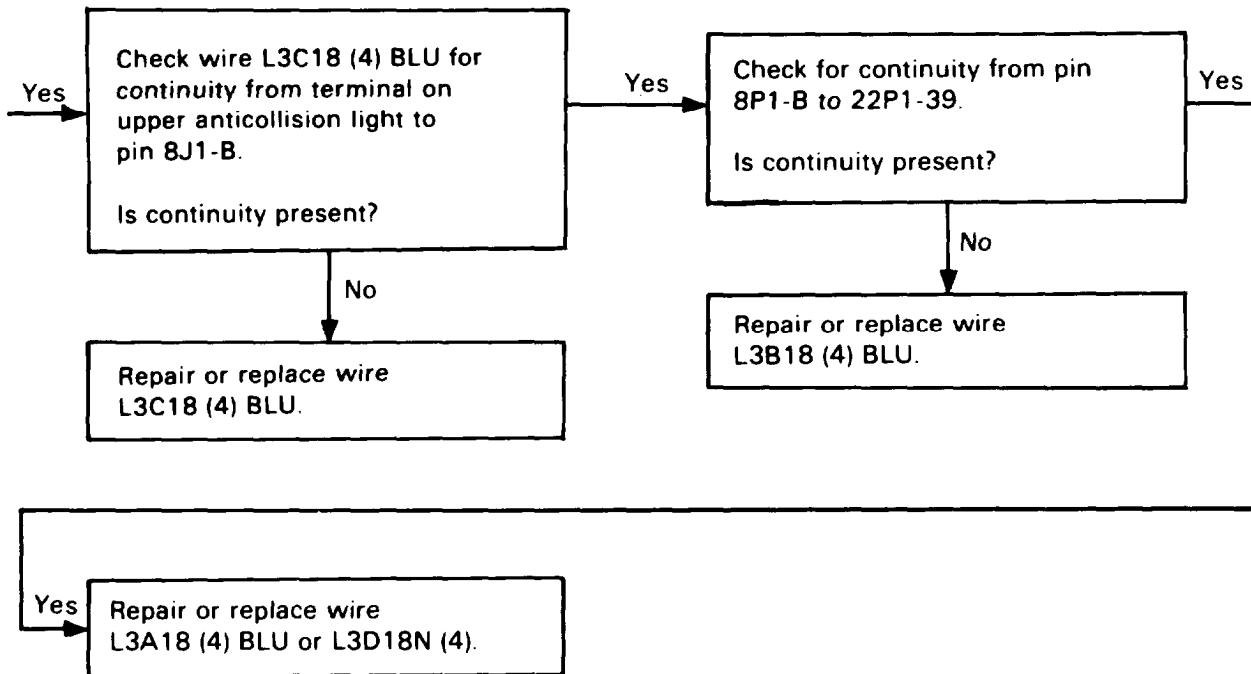


406475-436

190. UPPER ANTICOLLISION LIGHT DOES NOT FLASH (ANTI COLL SWITCH IN ANTI COLL)

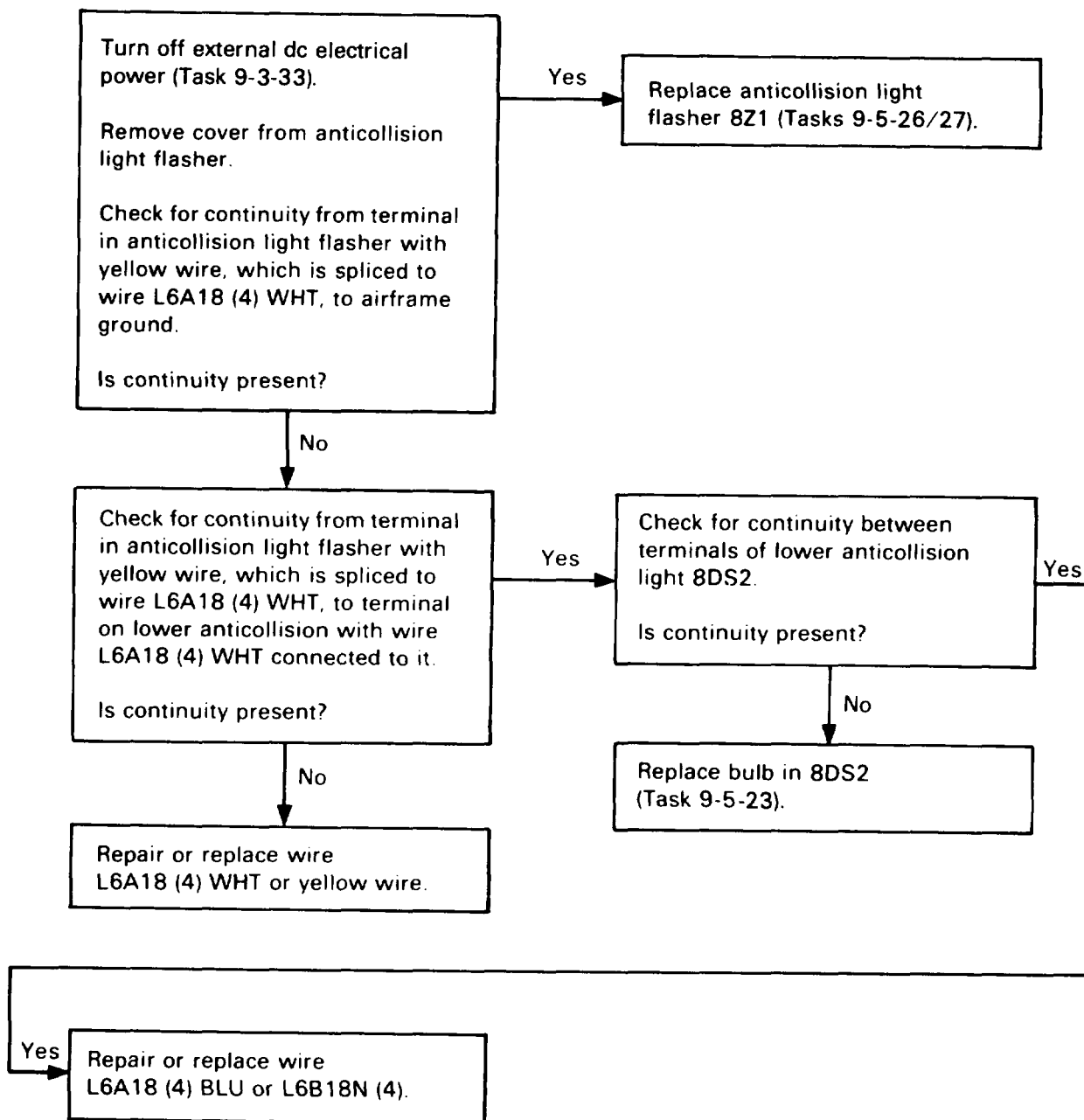


180. UPPER ANTICOLLISION LIGHT DOES NOT FLASH (ANTI COLL SWITCH IN ANTI COLL) (CONT)

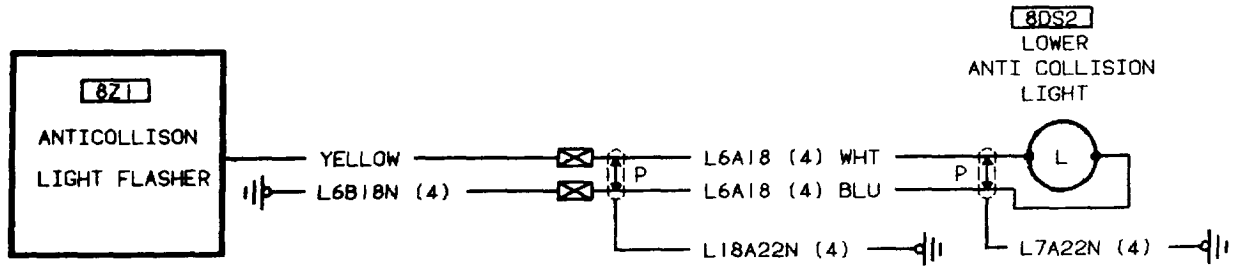


406475-437

191. LOWER ANTICOLLISION LIGHT DOES NOT FLASH (ANTI COLL SWITCH IN ANTI COLL)

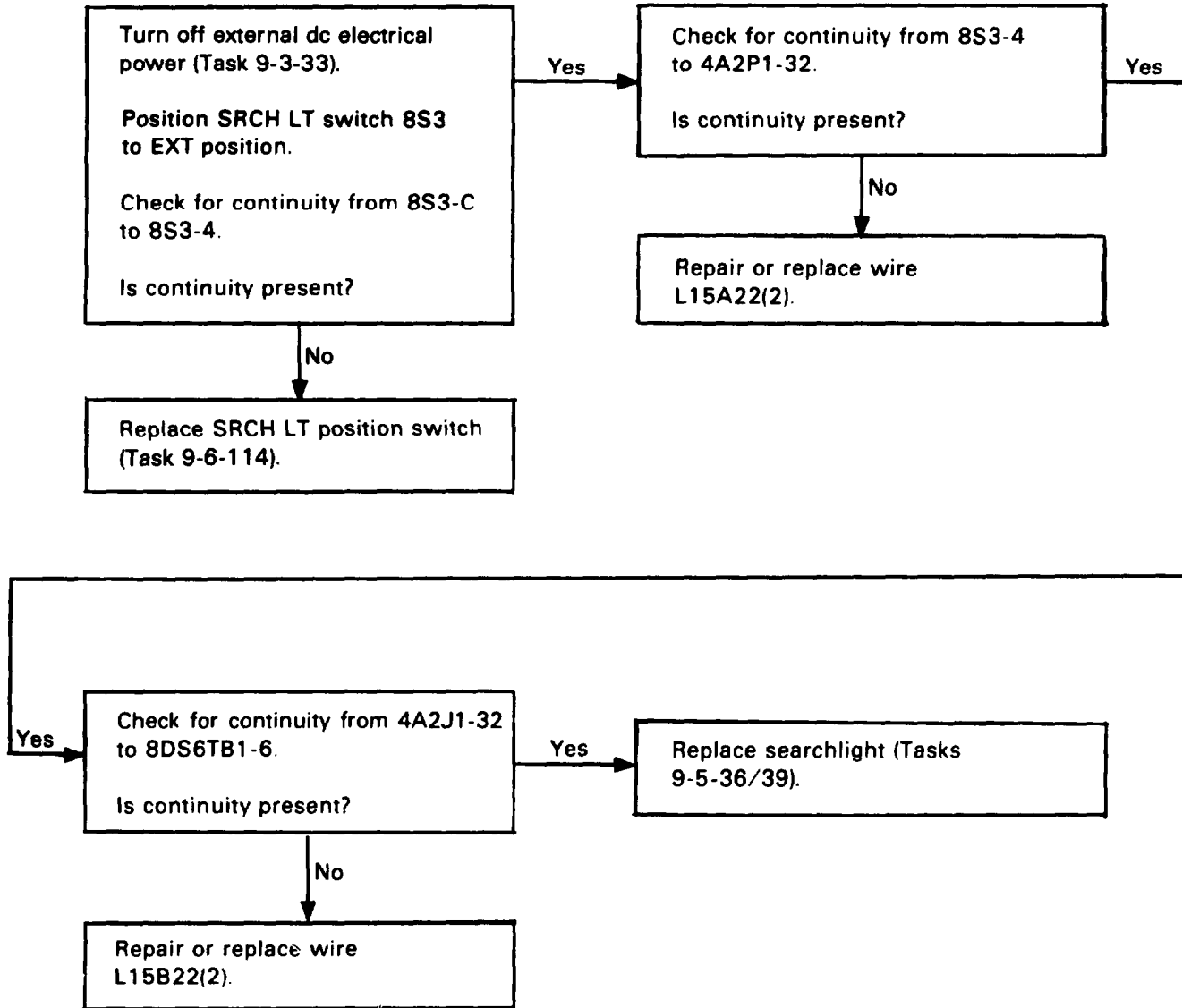


191. LOWER ANTICOLLISION LIGHT DOES NOT FLASH (ANTI COLL SWITCH IN ANTI COLL) (CONT)

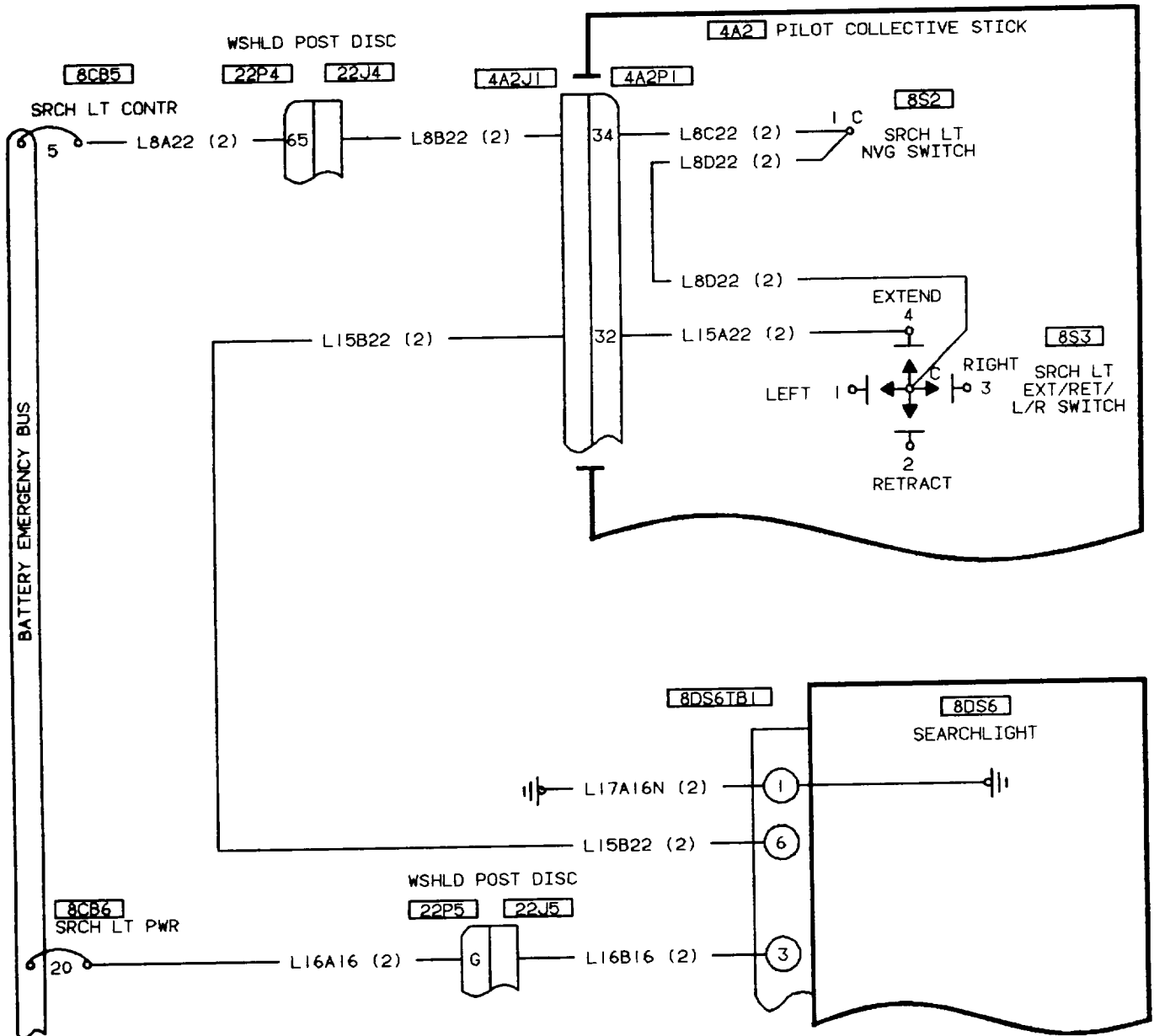


406475-438

192. SEARCHLIGHT WILL NOT EXTEND (SEARCHLIGHT POSITION SWITCH HELD IN EXT POSITION)



192. SEARCHLIGHT WILL NOT EXTEND (SEARCHLIGHT POSITION SWITCH HELD IN EXT POSITION) (CONT)

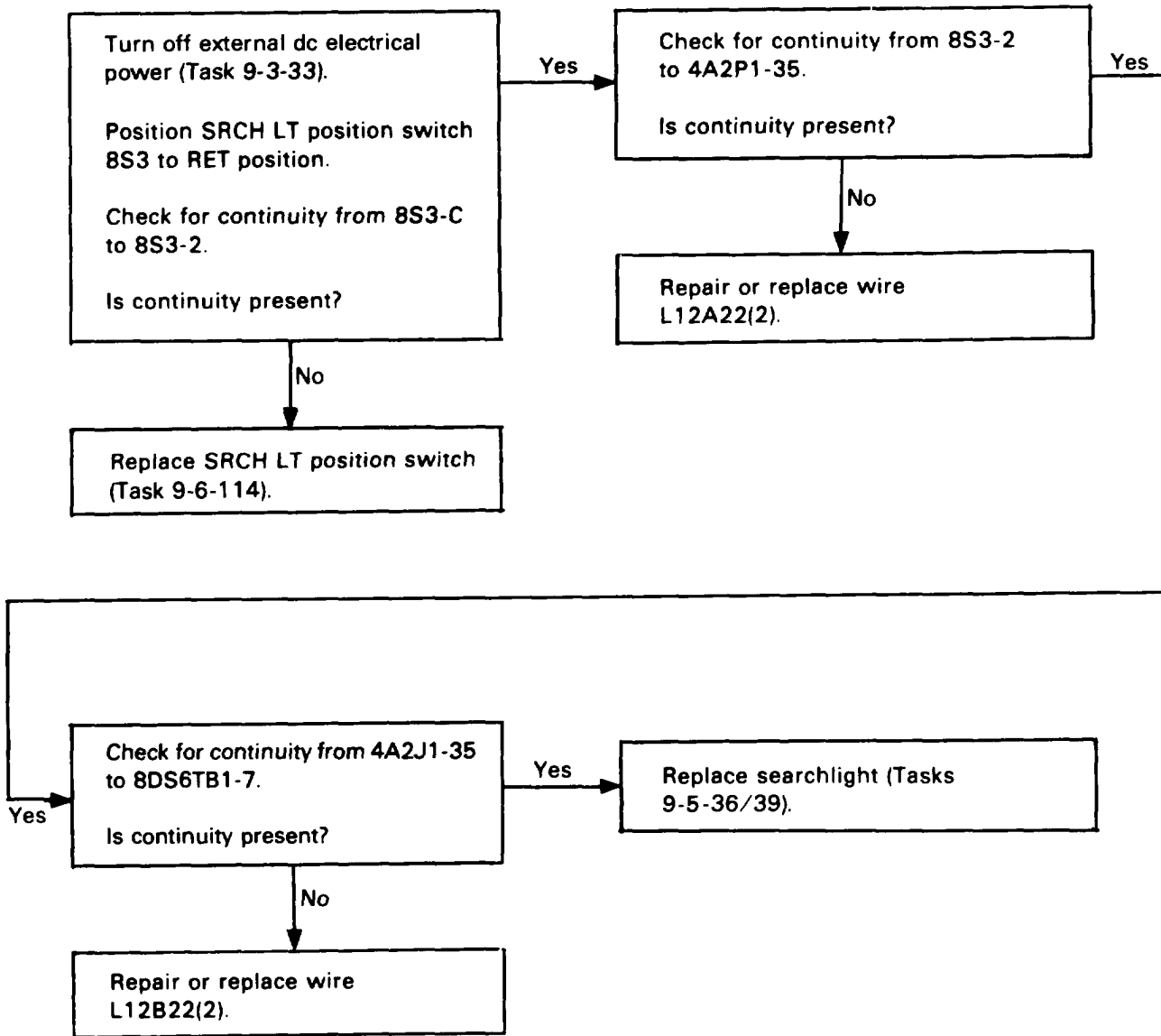


406475-439

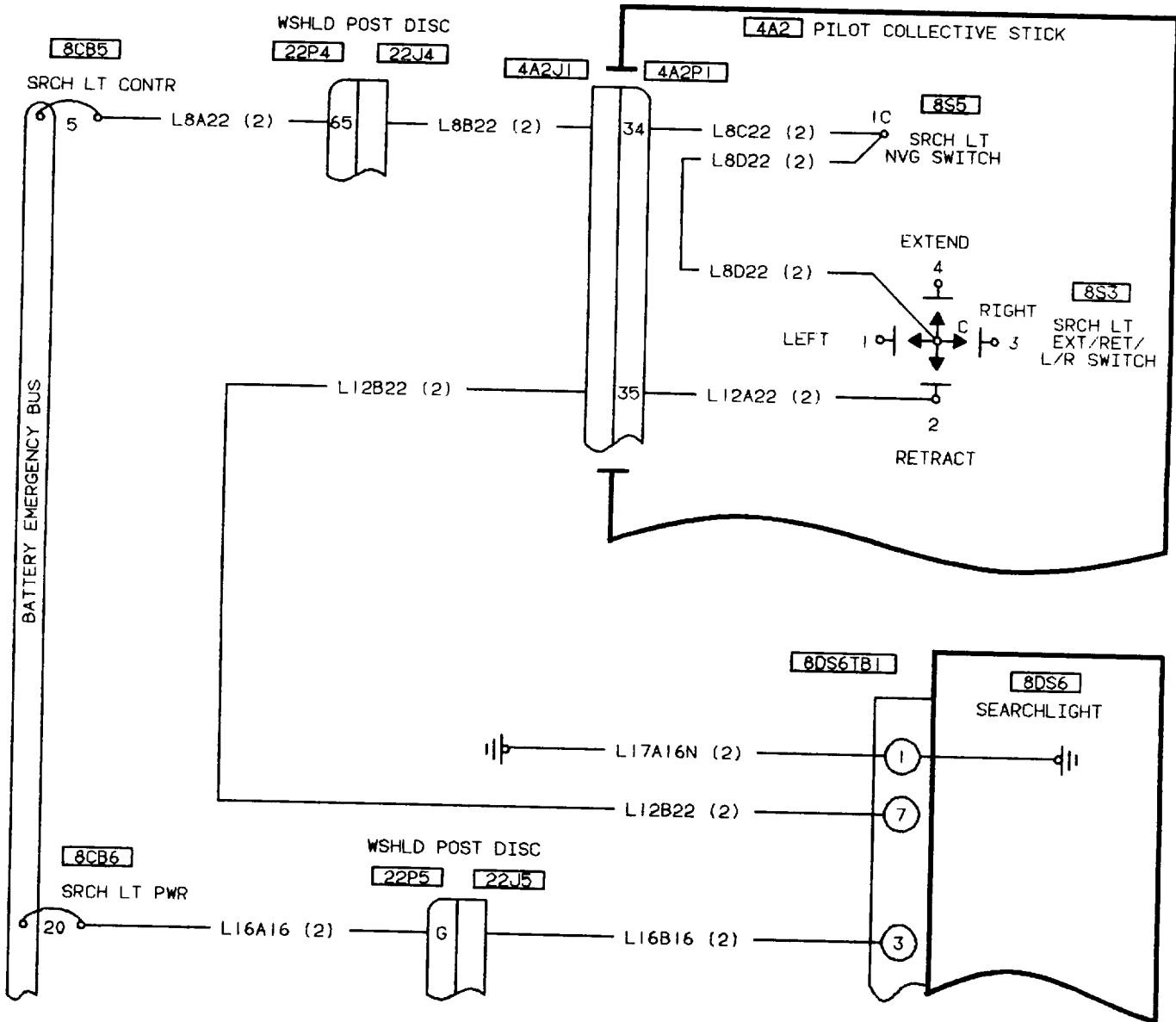
193. SEARCHLIGHT DOES NOT EXTEND TO 120 DEGREES

Adjust the extend limit switch.

194. SEARCHLIGHT WILL NOT RETRACT (SEARCHLIGHT POSITION SWITCH HELD IN RET POSITION)

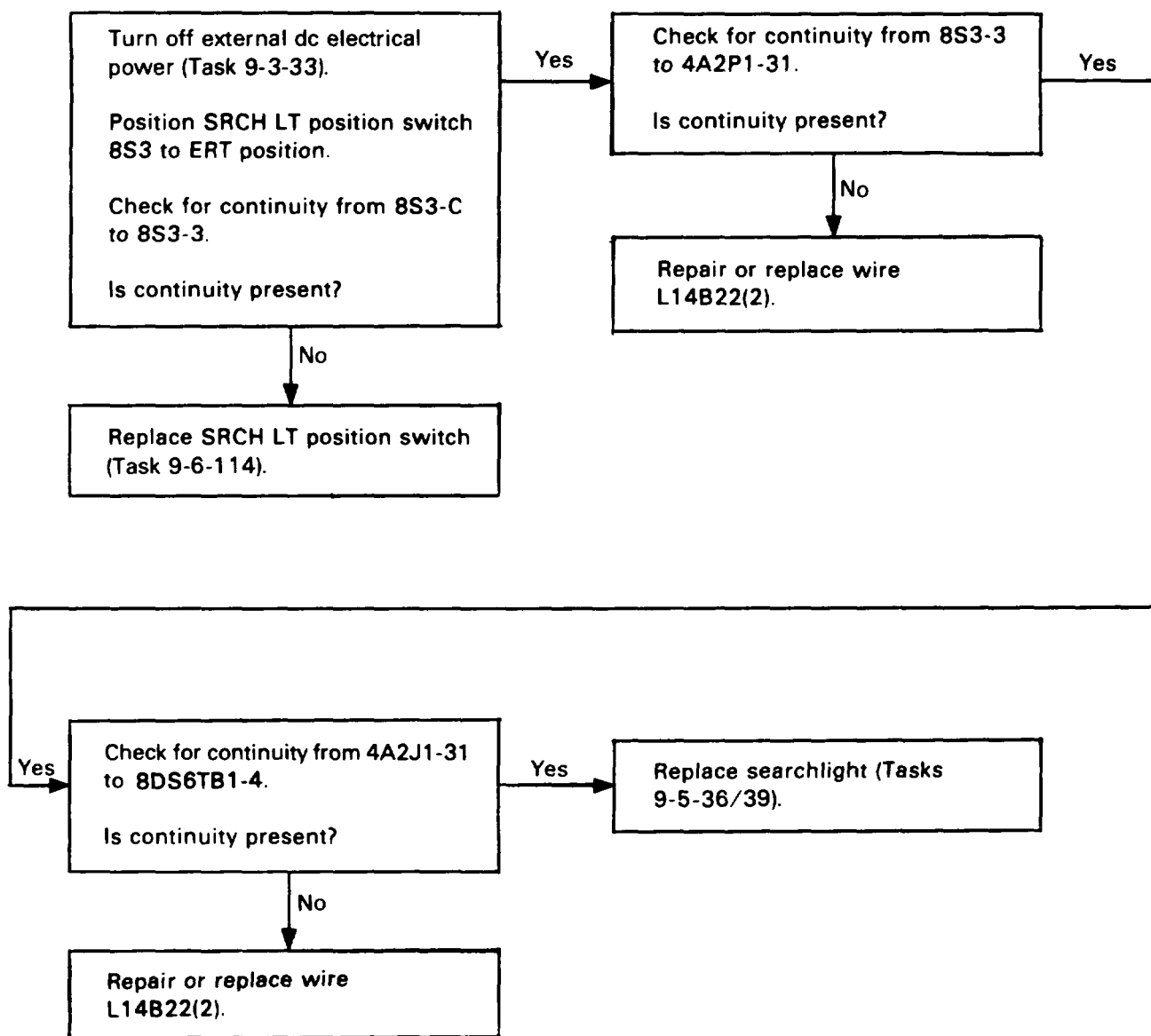


194. SEARCHLIGHT WILL NOT RETRACT (SEARCHLIGHT POSITION SWITCH HELD IN RET POSITION) (CONT)

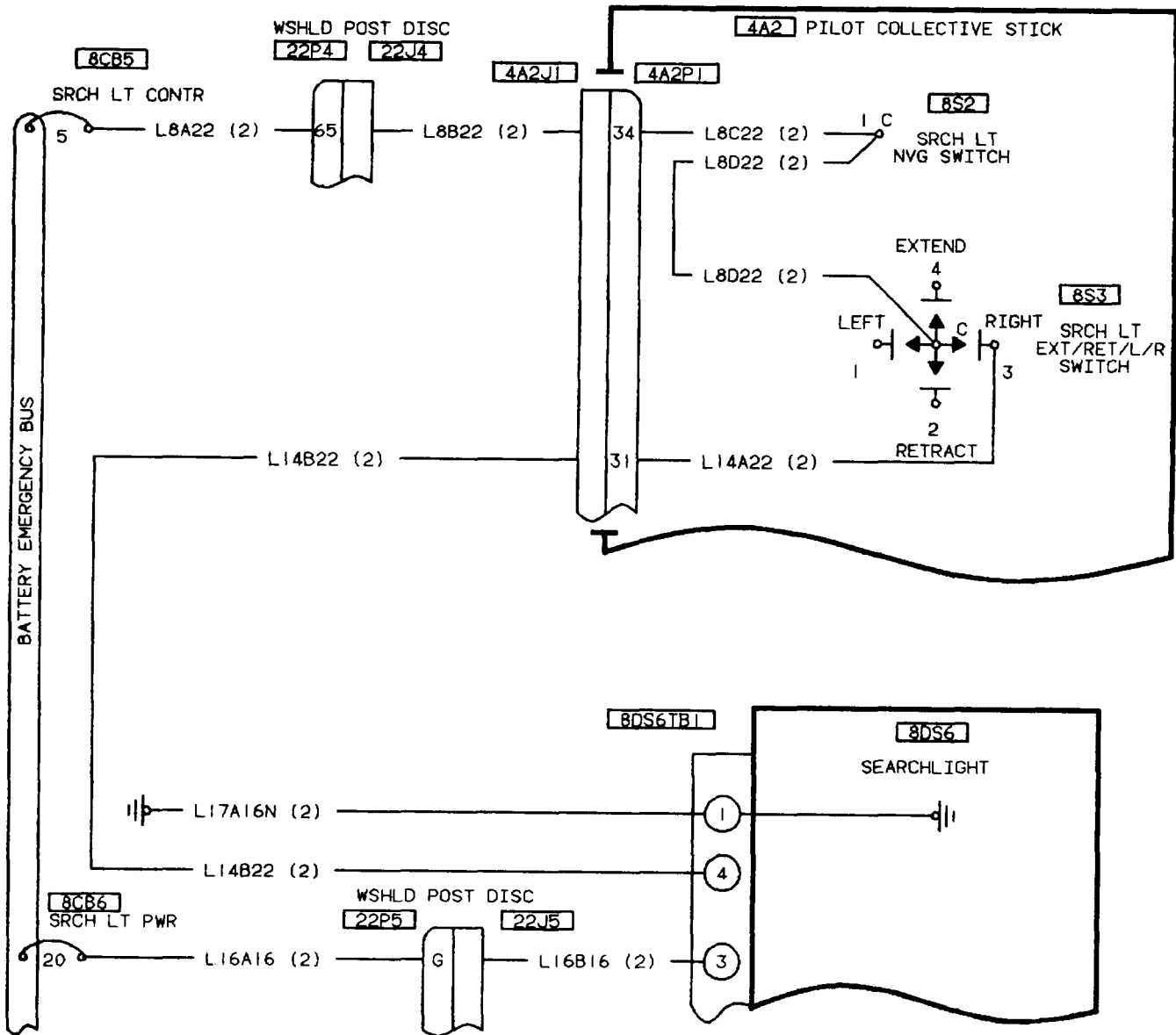


406475-440

195. SEARCHLIGHT WILL NOT TURN RIGHT (SEARCHLIGHT POSITION SWITCH HELD IN R POSITION)

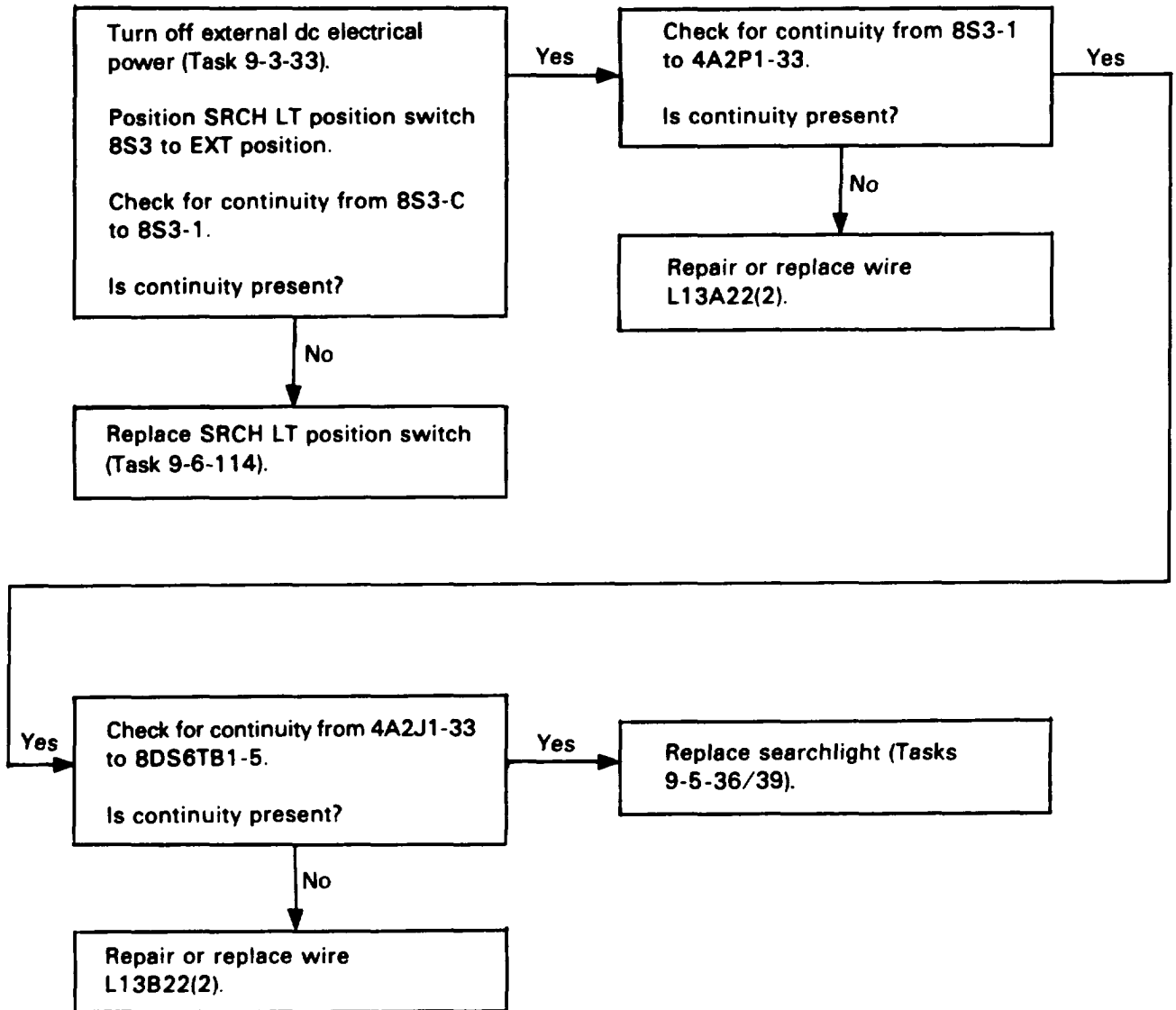


195. SEARCHLIGHT WILL NOT TURN RIGHT (SEARCHLIGHT POSITION SWITCH HELD IN R POSITION) (CONT)

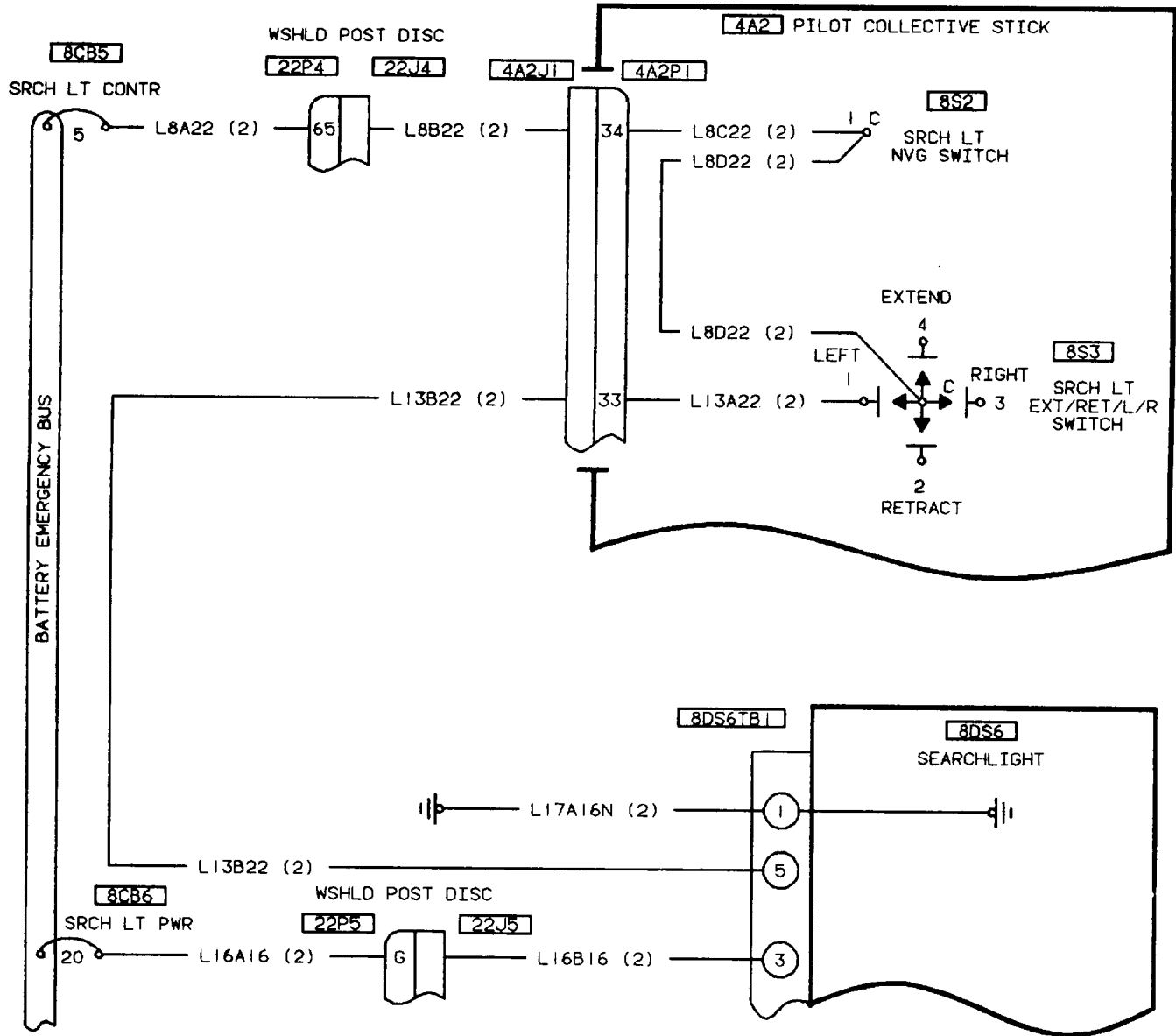


406475-441

196. SEARCHLIGHT WILL NOT TURN LEFT (SEARCHLIGHT POSITION SWITCH HELD IN L POSITION)

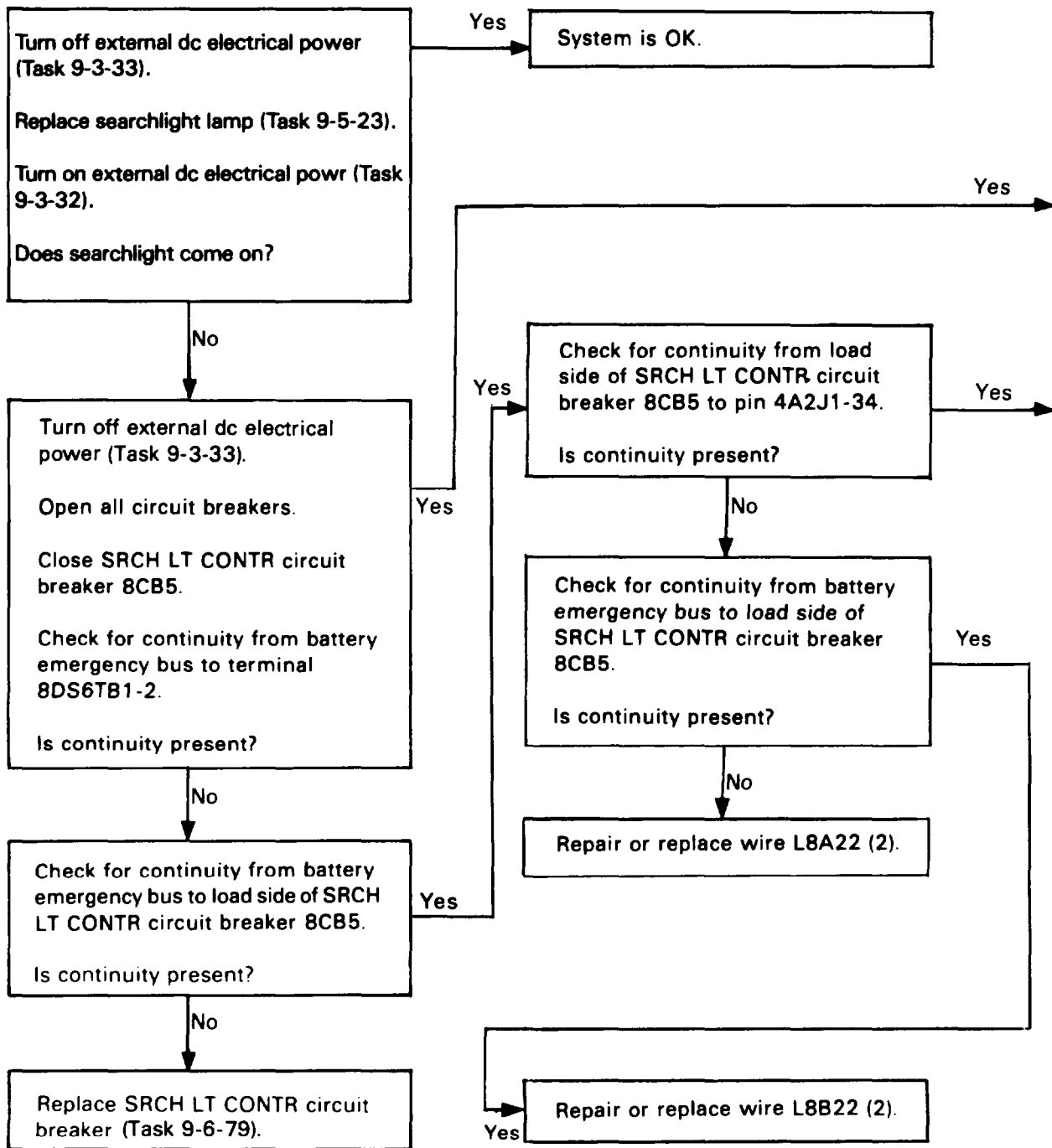


196. SEARCHLIGHT WILL NOT TURN LEFT (SEARCHLIGHT POSITION SWITCH HELD IN L POSITION) (CONT)

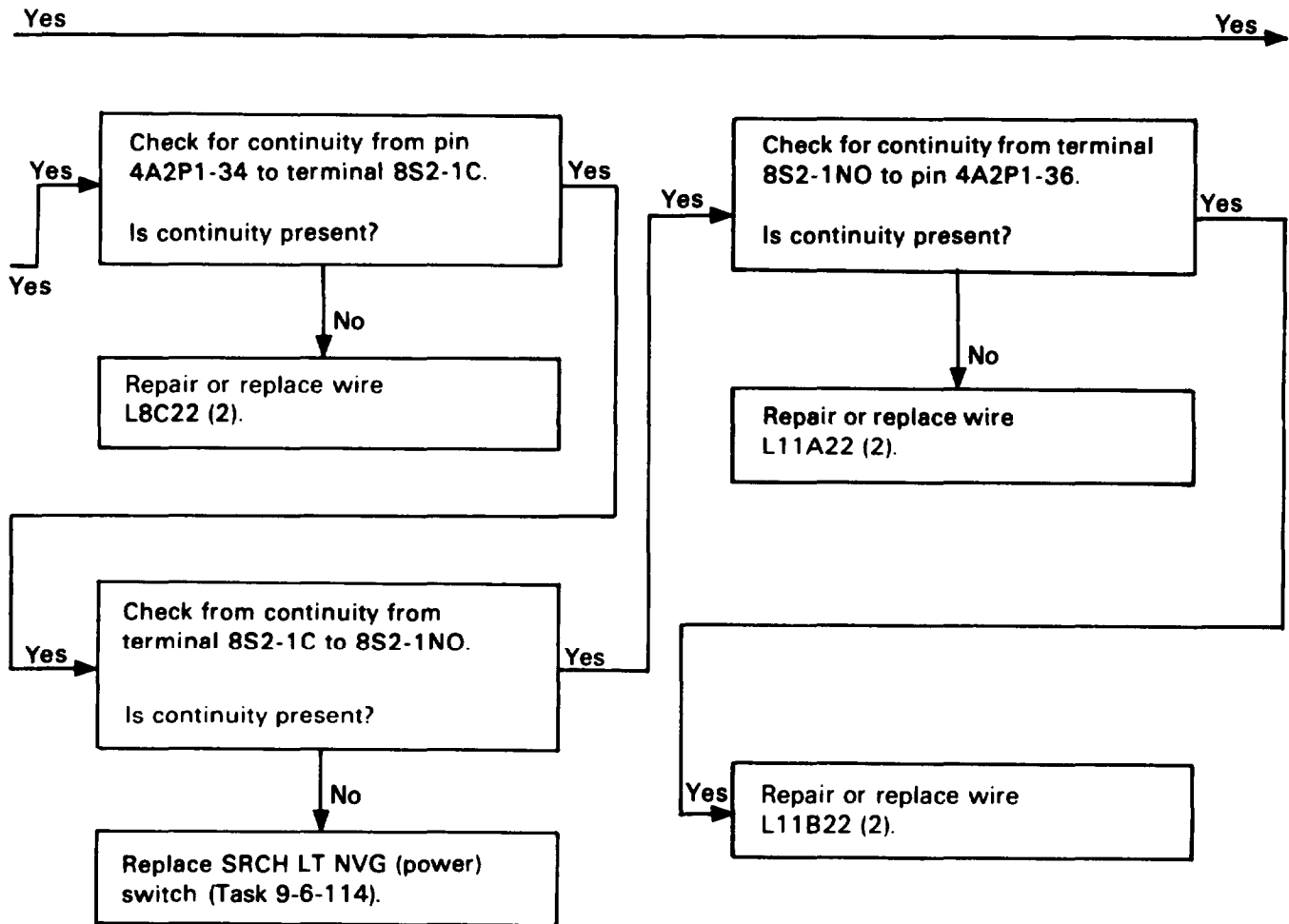


406475-442

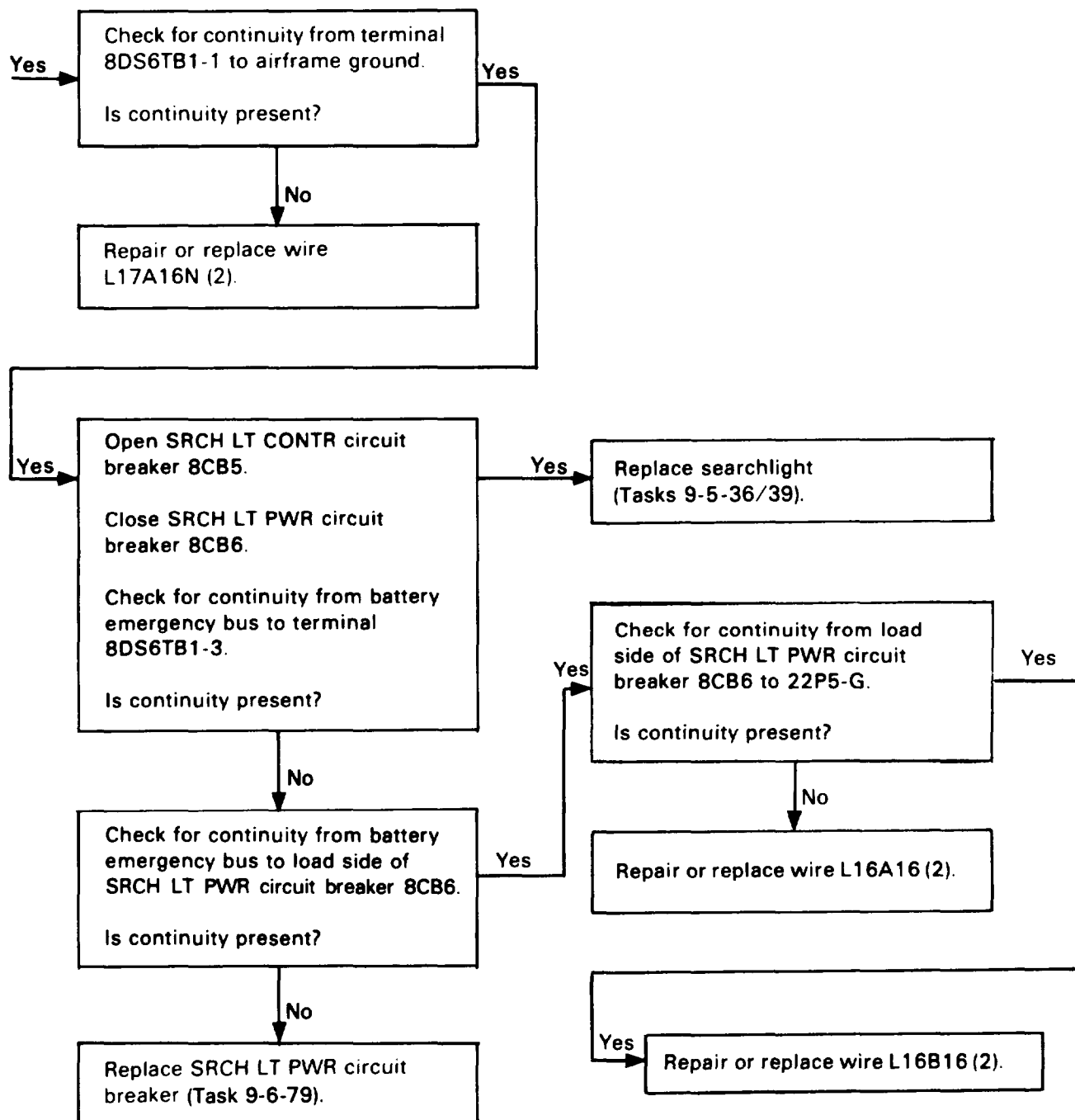
197. SEARCHLIGHT DOES NOT COME ON (SEARCHLIGHT POWER SWITCH IS ON)



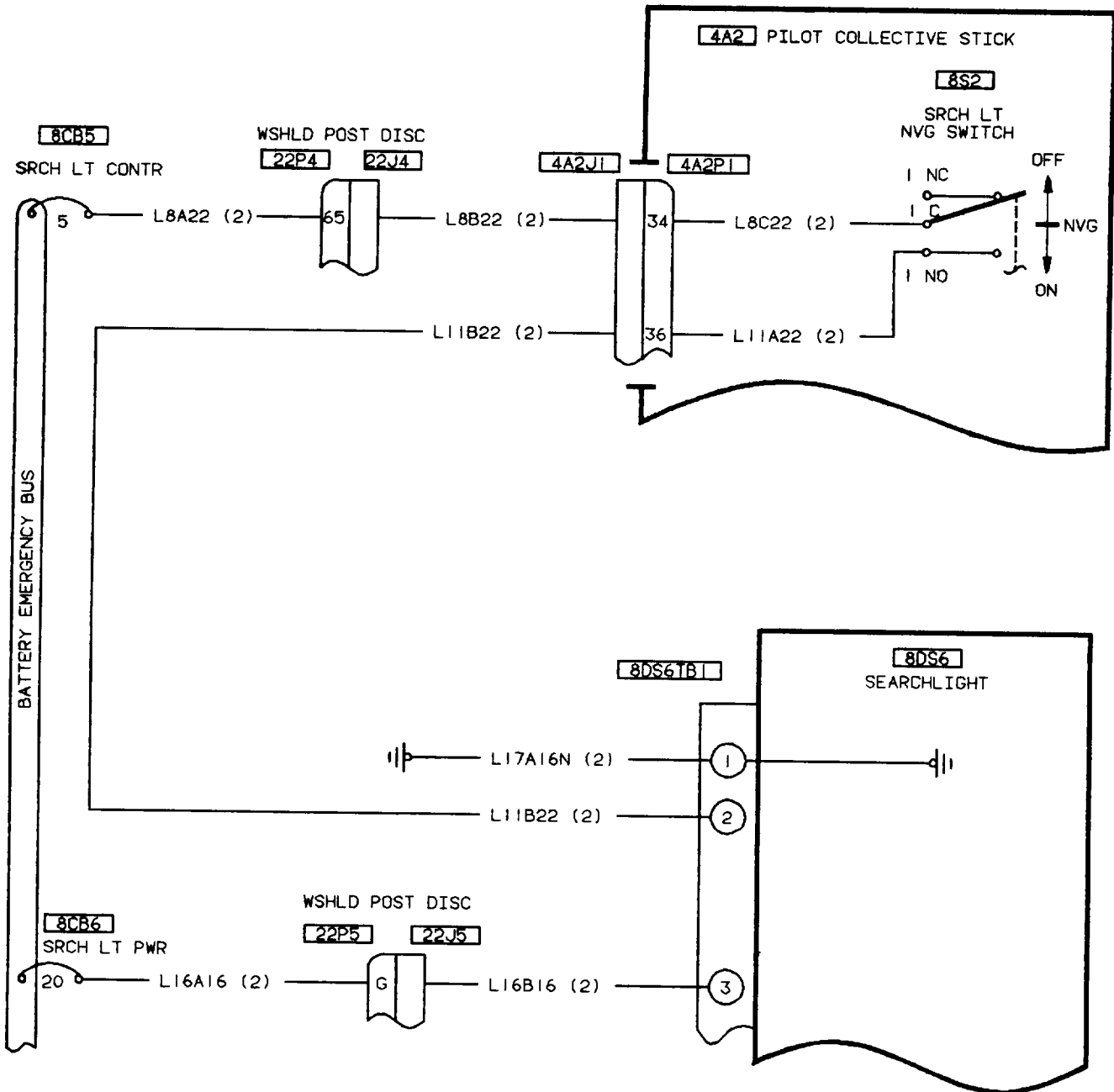
197. Searchlight DOES NOT COME ON (SEARCHLIGHT POWER SWITCH IS ON) (CONT)



197. SEARCHLIGHT DOES NOT COME ON (SEARCHLIGHT POWER SWITCH IS ON) (CONT)



197. SEARCHLIGHT DOES NOT COME ON (SEARCHLIGHT POWER SWITCH IS ON) (CONT)



406475-443

**198. SEARCHLIGHT DOES NOT GO OFF AT APPROXIMATELY 90 DEGREES RIGHT FROM FORWARD
(SEARCHLIGHT POWER SWITCH IS ON, SEARCHLIGHT POSITION SWITCH HELD IN R)**

Turn off external dc electrical
power (Task 9-3-33).

Replace searchlight
(Tasks 9-5-36/39).

**199. SEARCHLIGHT DOES NOT GO OFF AT APPROXIMATELY 90 DEGREES LEFT FROM FORWARD
(SEARCHLIGHT POWER SWITCH IS ON, SEARCHLIGHT POSITION SWITCH HELD IN L)**

Turn off external dc electrical
power (Task 9-3-33).

Replace searchlight
(Tasks 9-5-36/39).

200. SEARCHLIGHT DOES NOT COME ON AT APPROXIMATELY 60 DEGREES EXTENSION (SEARCHLIGHT POWER SWITCH IS ON, SEARCHLIGHT POSITION SWITCH HELD IN EXT)

Turn off external dc electrical power (Task 9-3-33).

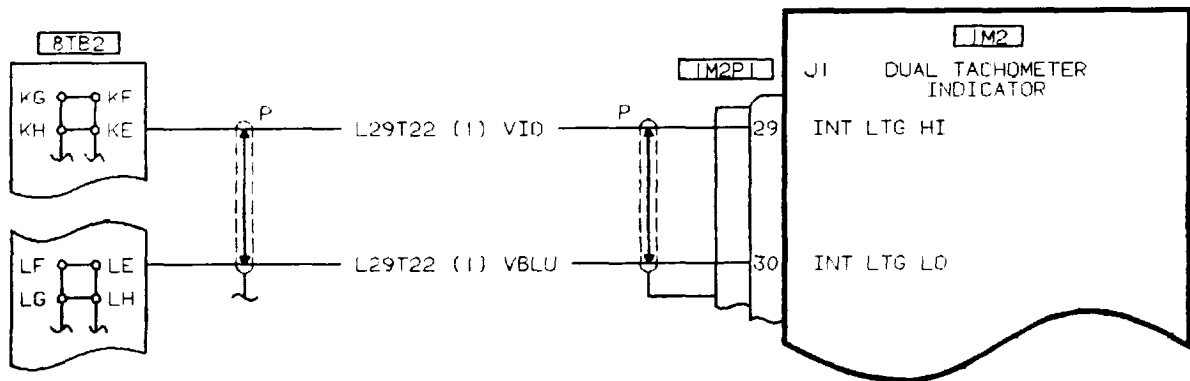
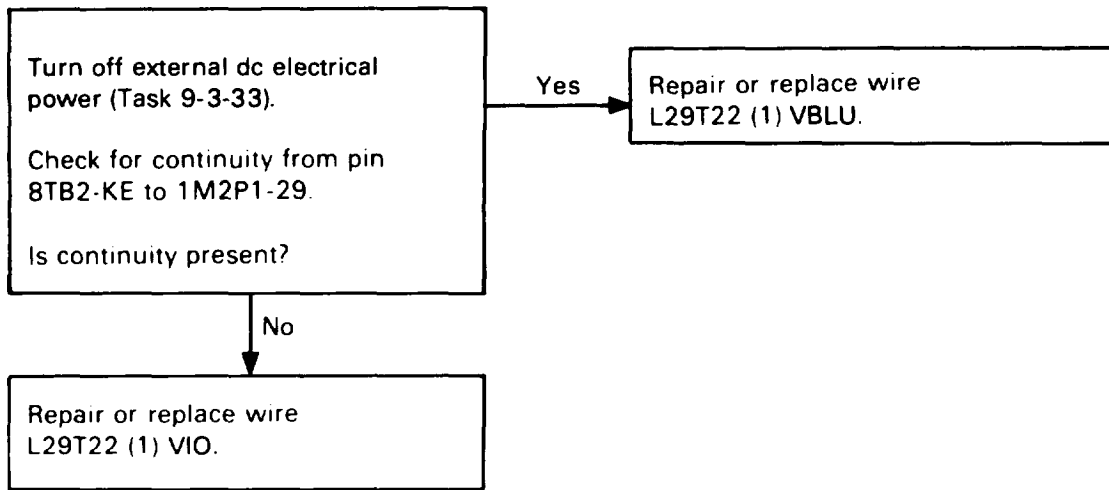
Replace searchlight (Tasks 9-5-36/39).

201. SEARCHLIGHT DOES NOT STOW PROPERLY (SEARCHLIGHT POSITION SWITCH HELD IN RET)

Turn off external dc electrical
power (Task 9-3-33).

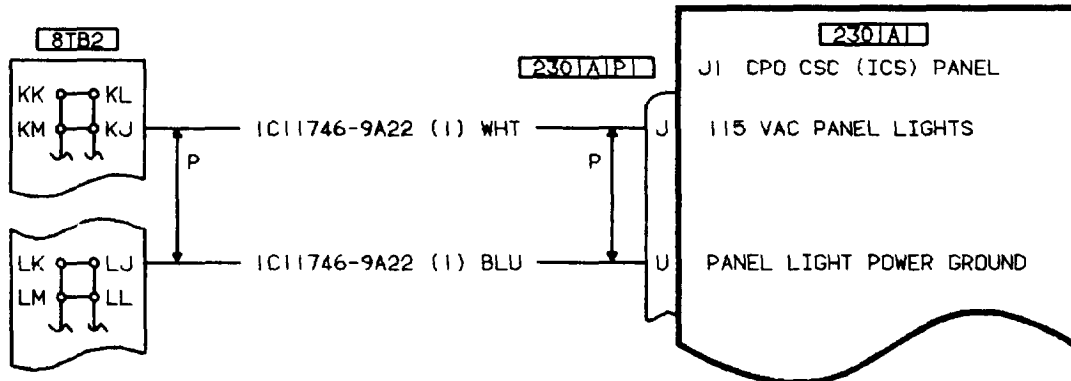
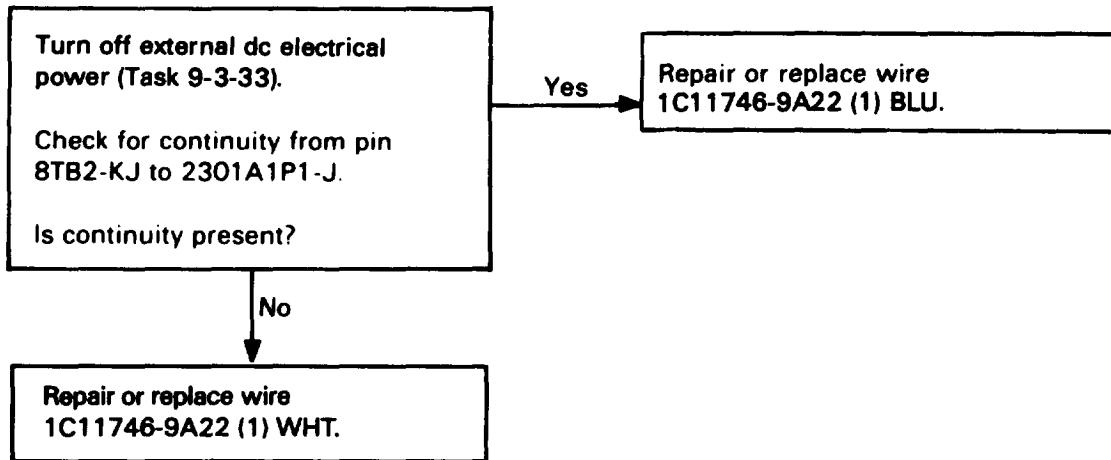
Replace searchlight
(Tasks 9-5-36/39).

202. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL DUAL TACHOMETER



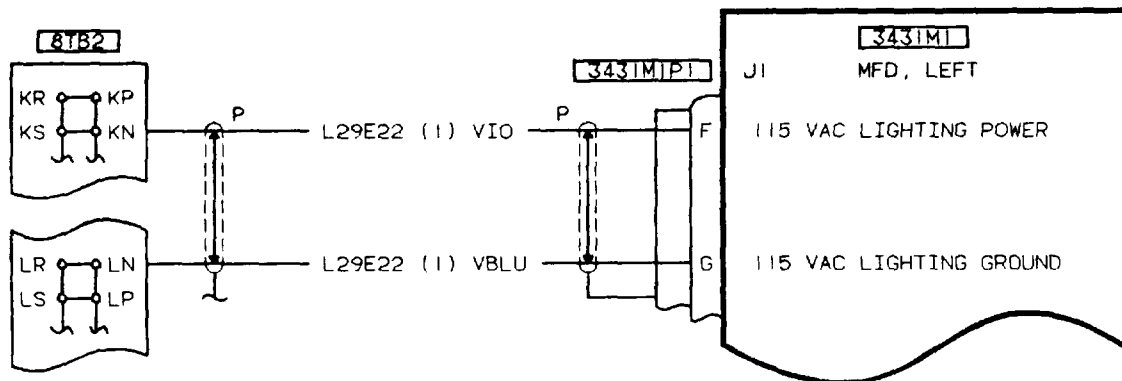
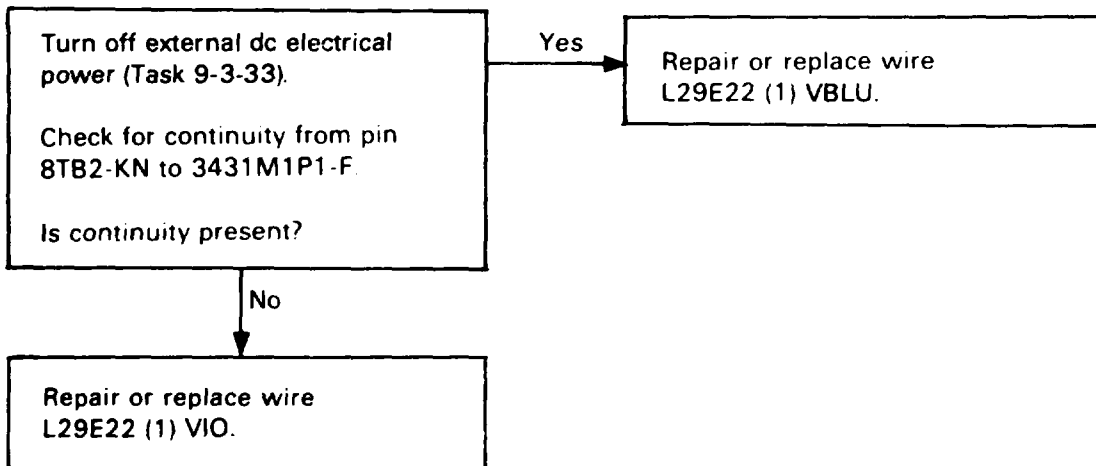
406475-415
H2085

203. INSTRUMENT LIGHTS SECONDARY DIMMING Potentiometer DOES NOT CONTROL CPO-
COMMUNICATION SYSTEM CONTROL



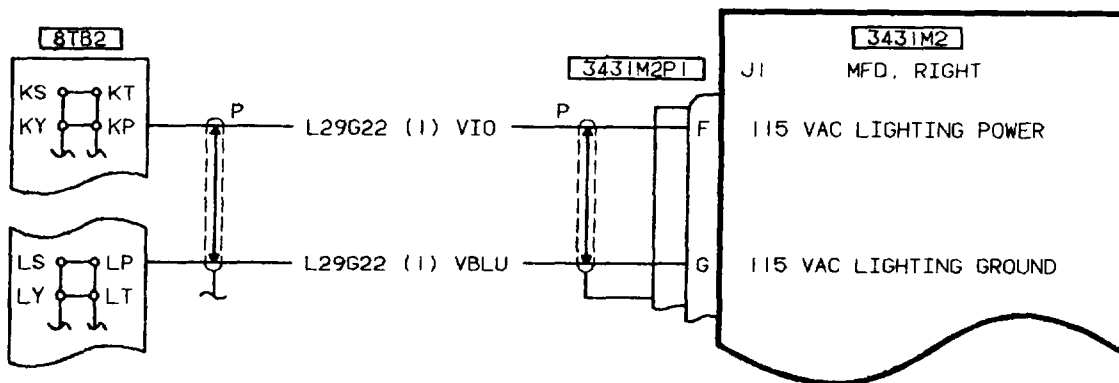
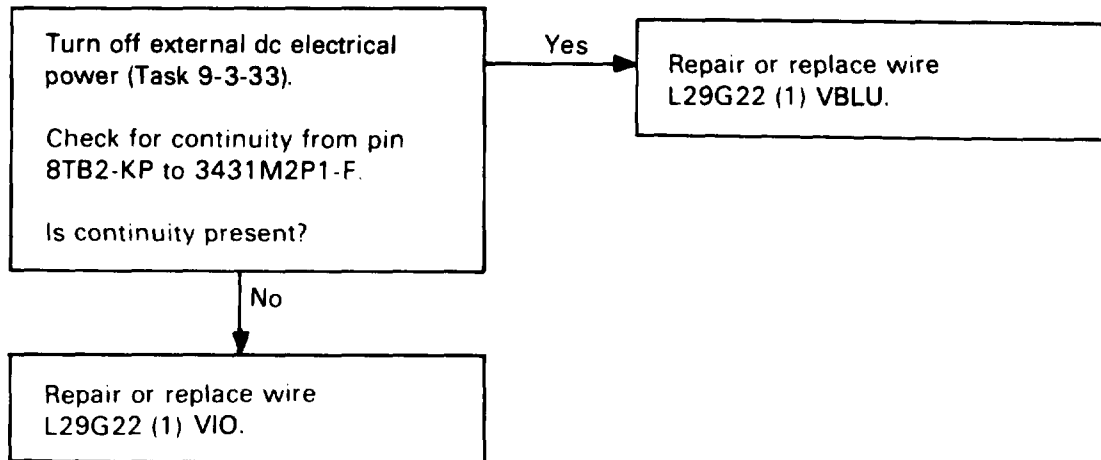
406475-413

204. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL LEFT MULTIFUNCTION DISPLAY (MFD)



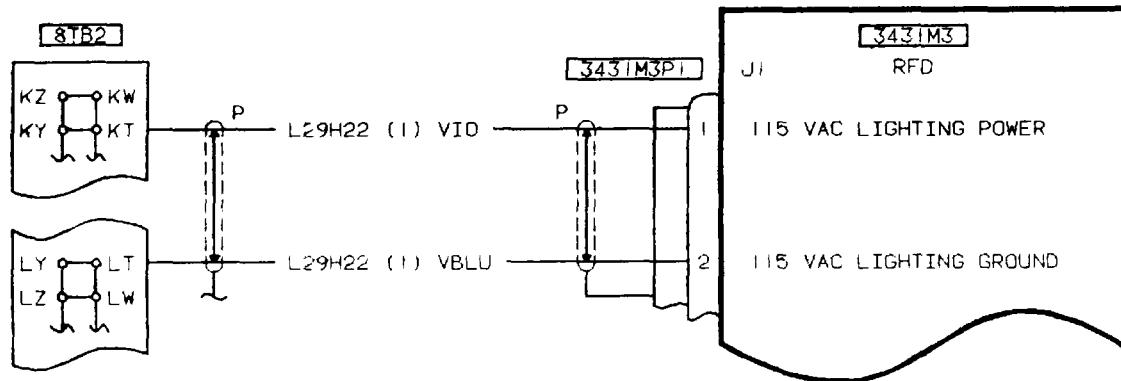
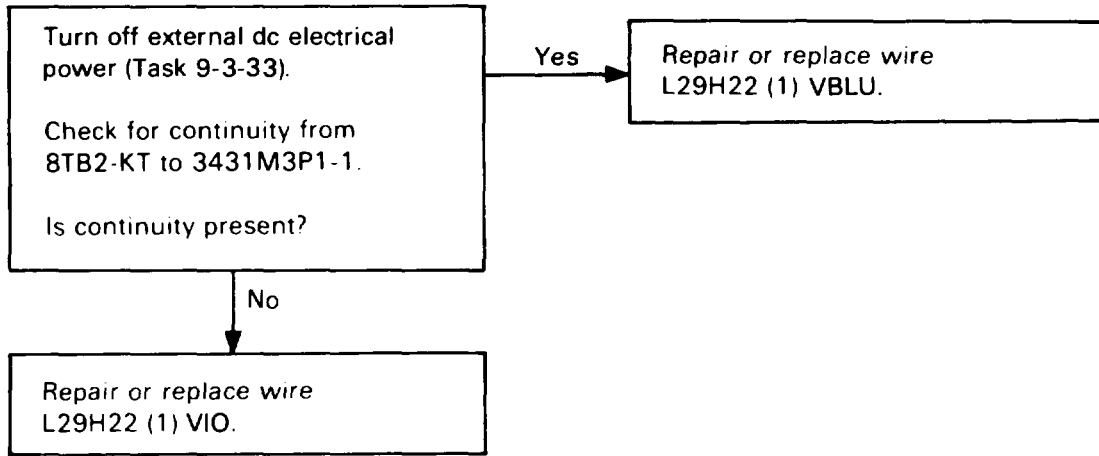
406475-480
H2392

205. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL RIGHT MULTIFUNCTION DISPLAY (MFD)



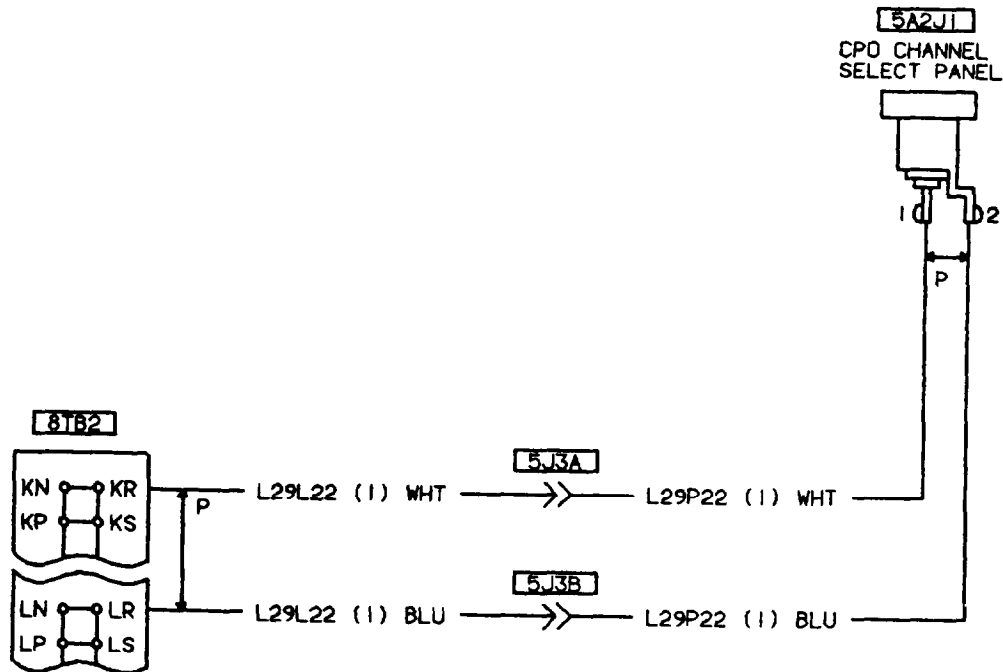
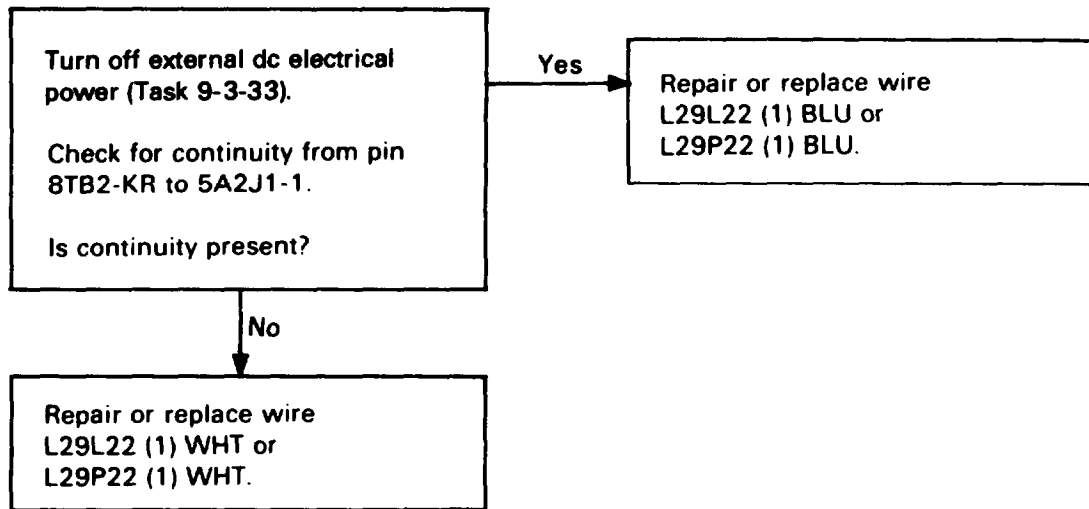
406475-482
G6283

206. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL REMOTE FREQUENCY DISPLAY (RFD)



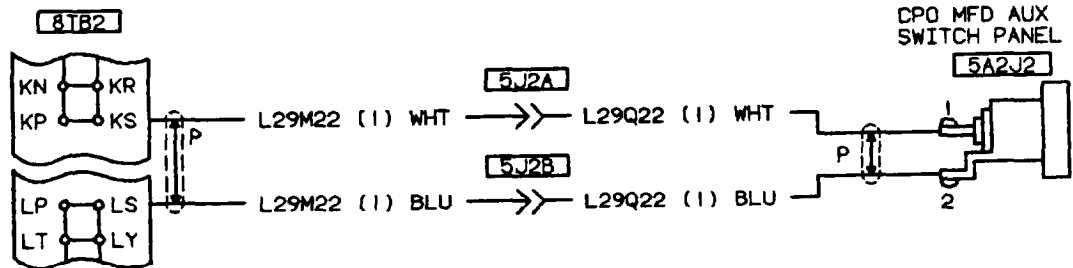
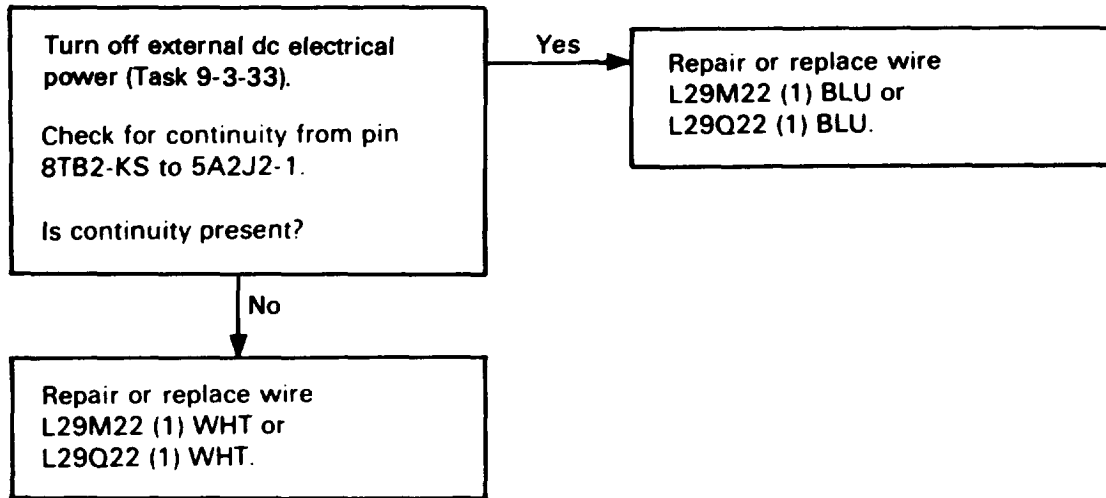
406475-481
H2086

207. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL THE CPO CHANNEL SELECT PANEL



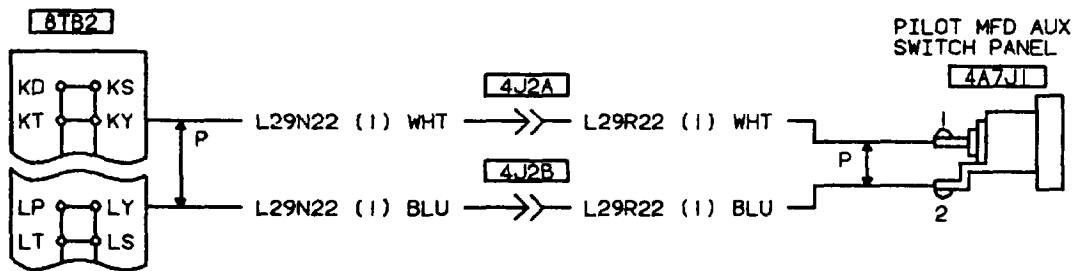
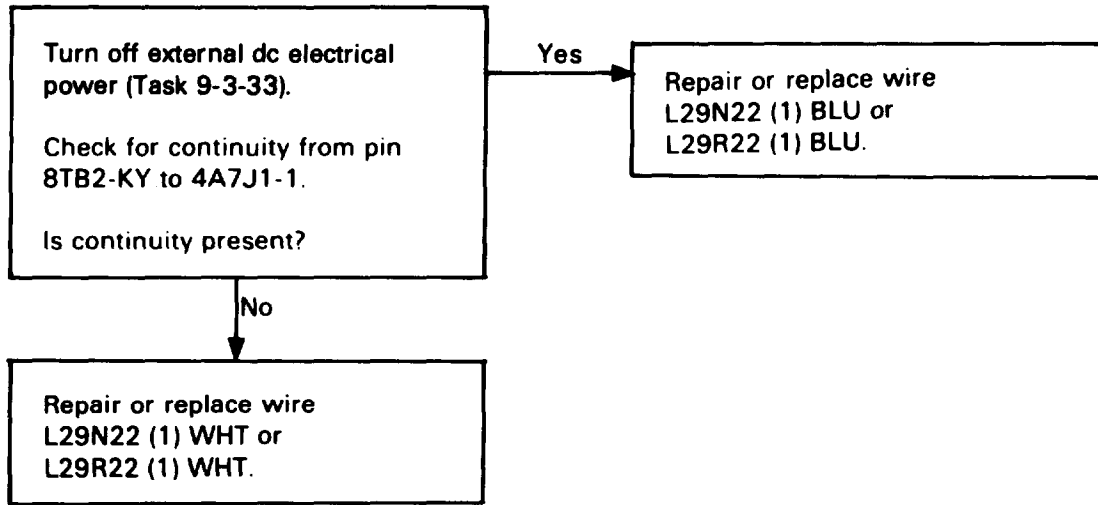
406475-456

208. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL THE CPO MULTIFUNCTION DISPLAY (MFD) AUXILIARY SWITCH PANEL



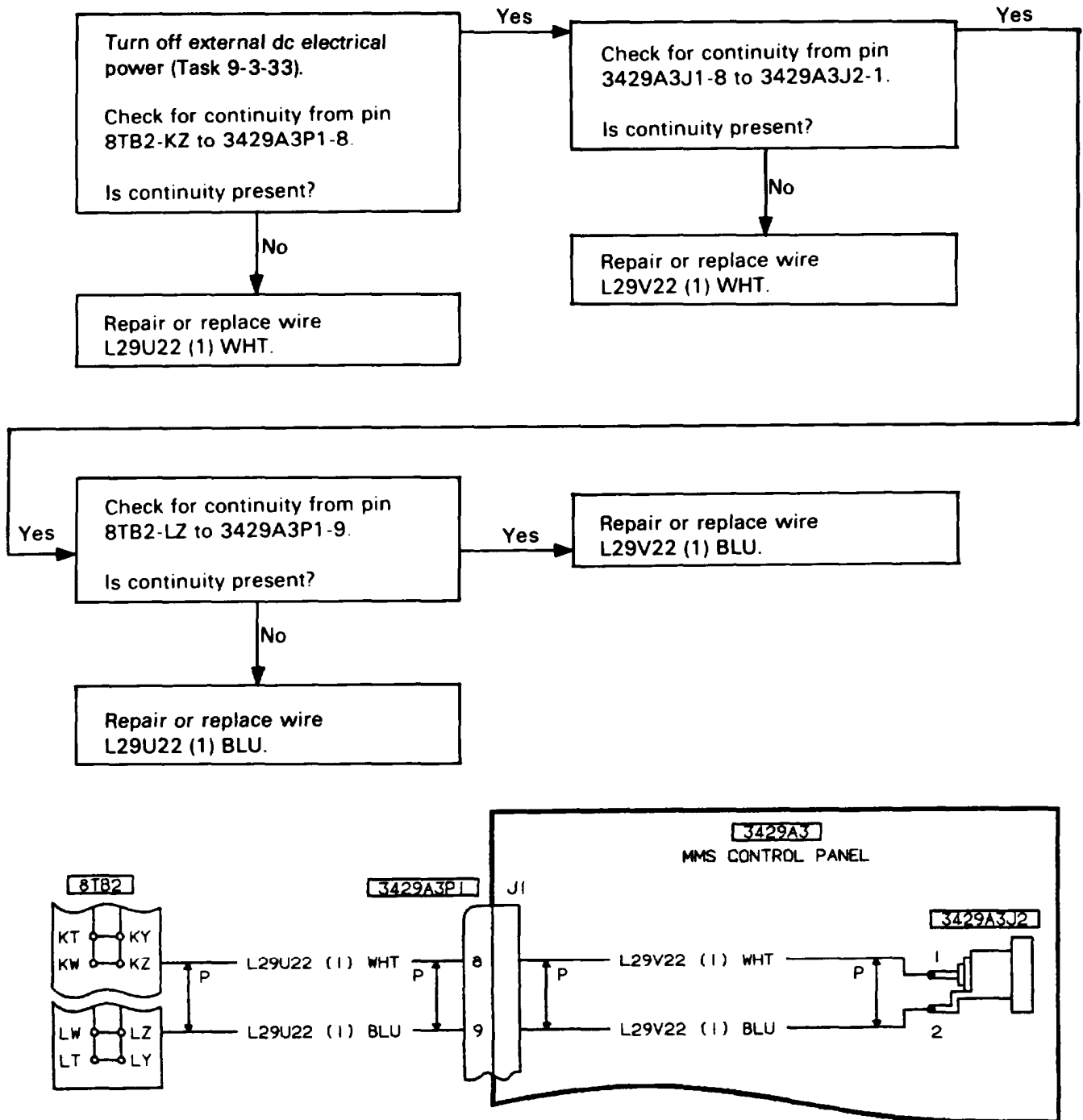
406475-457

209. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL THE PILOT MULTIFUNCTION DISPLAY (MFD) AUXILIARY SWITCH PANEL



406475-458

210. INSTRUMENT LIGHTS SECONDARY DIMMING POTENTIOMETER DOES NOT CONTROL THE MAST MOUNTED SIGHT (MMS) CONTROL



211. ERROR CODE 0001 WORD 1 RIGHT MCPU FAIL

Turn off external dc electrical power (Task 9-3-33).

Replace right MCPU 3431A2 (TM 9-1427-779-20).

Perform operational test (Task 9-1-55).

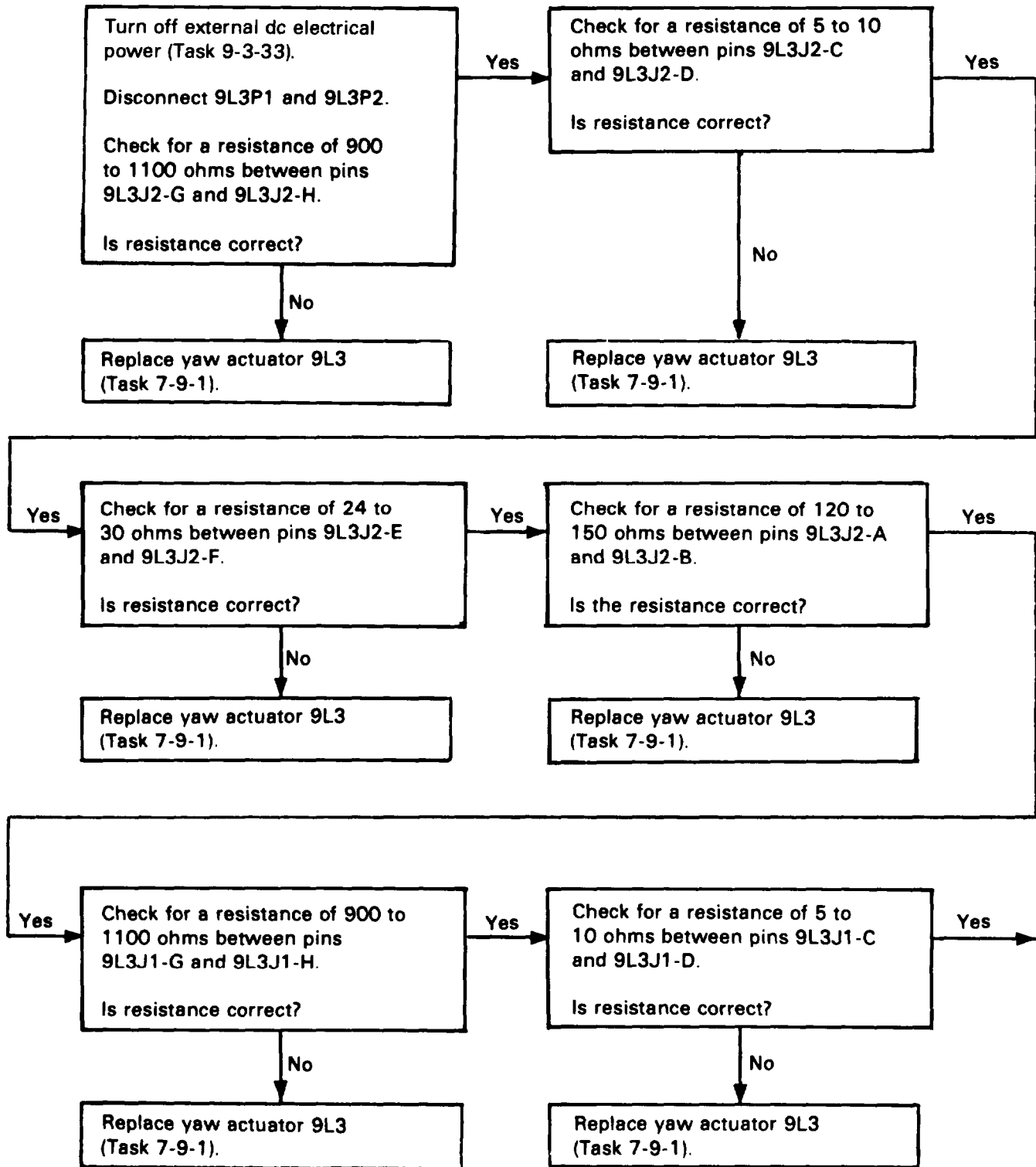
212. ERROR CODE 0002 WORD 1 LEFT MCPU FAIL

Turn off external dc electrical power (Task 9-3-33).

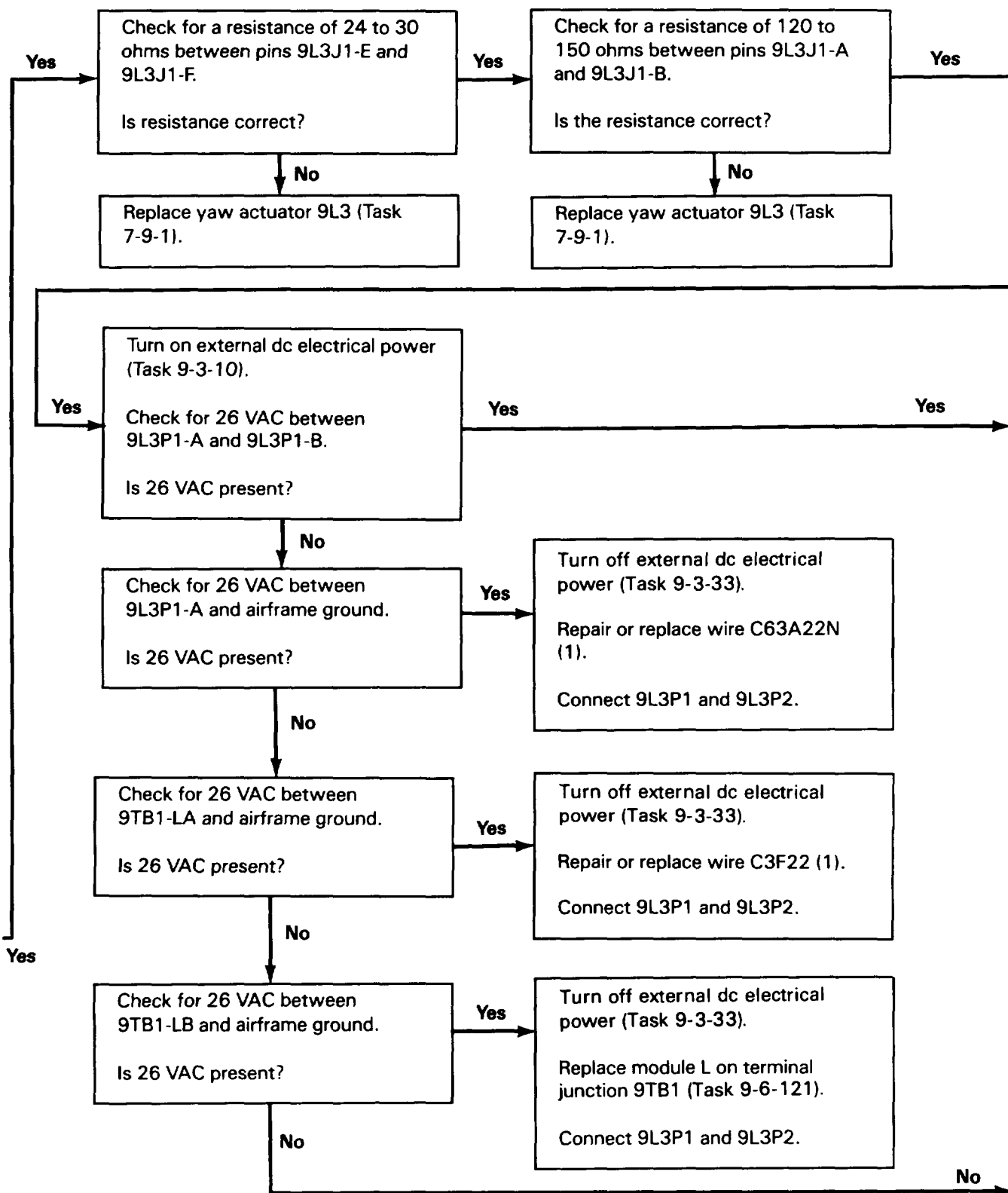
Replace left MCPU 3431A1 (TM 9-1427-779-20).

Perform operational test (Task 9-1-55).

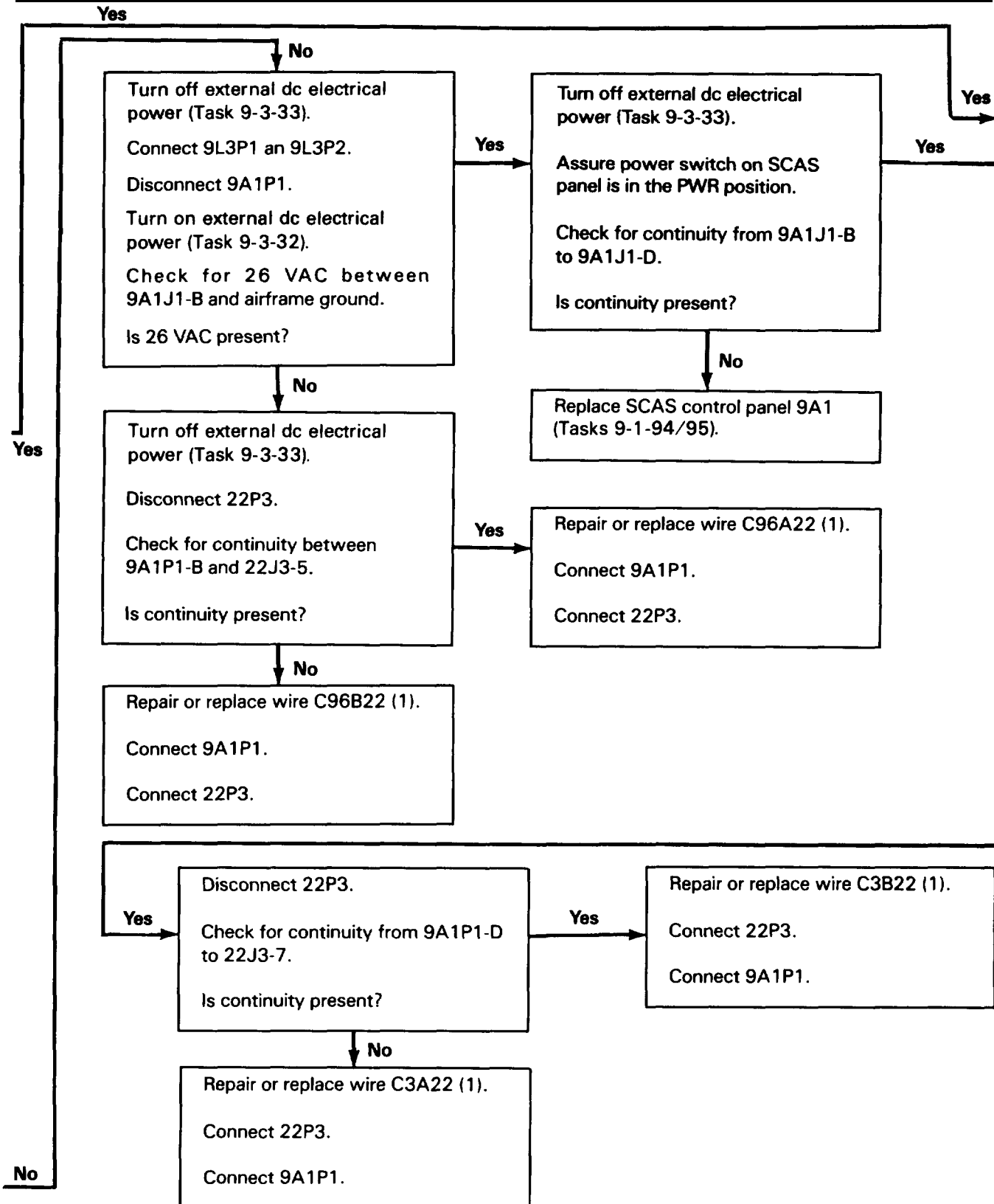
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL



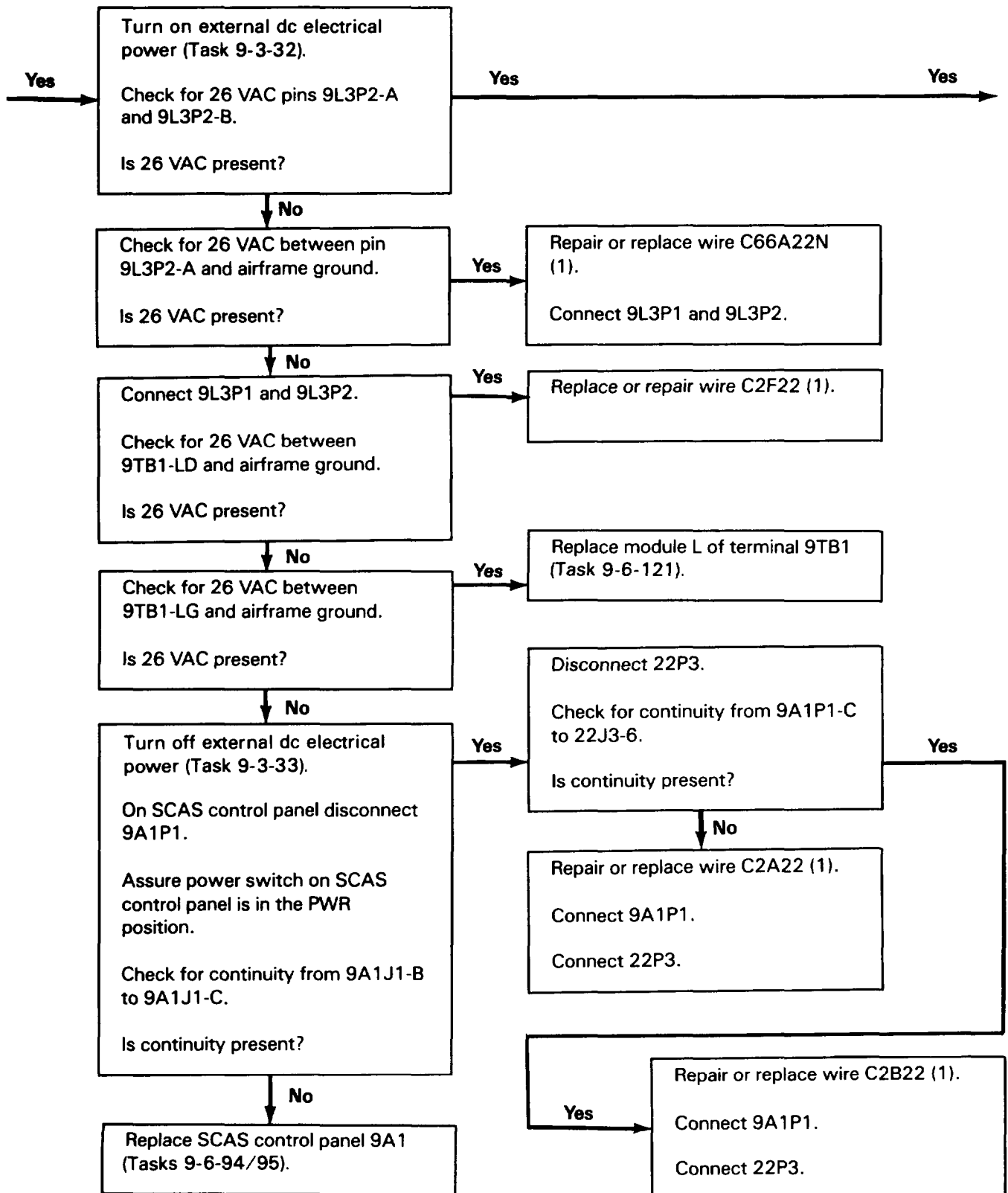
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



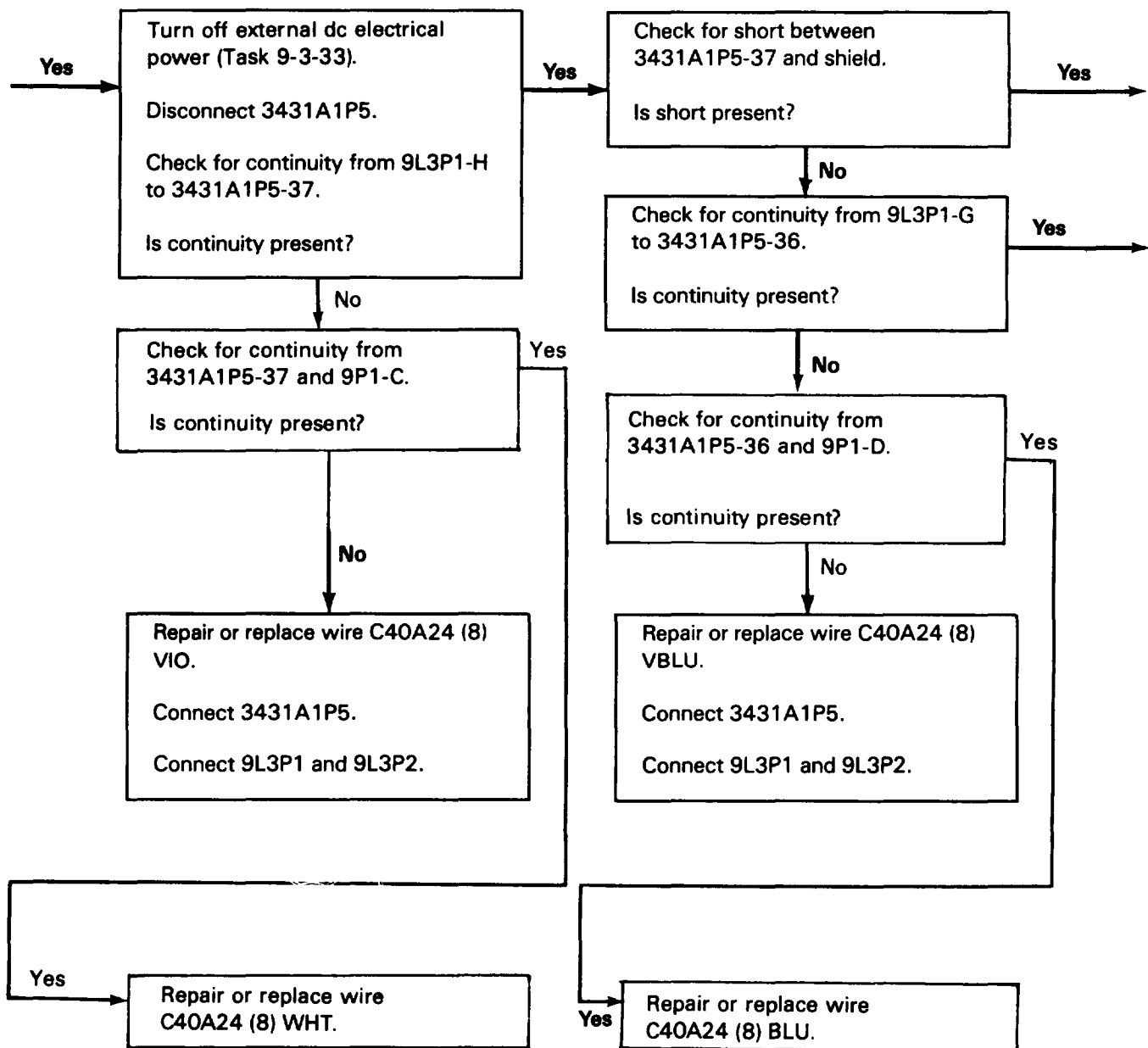
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



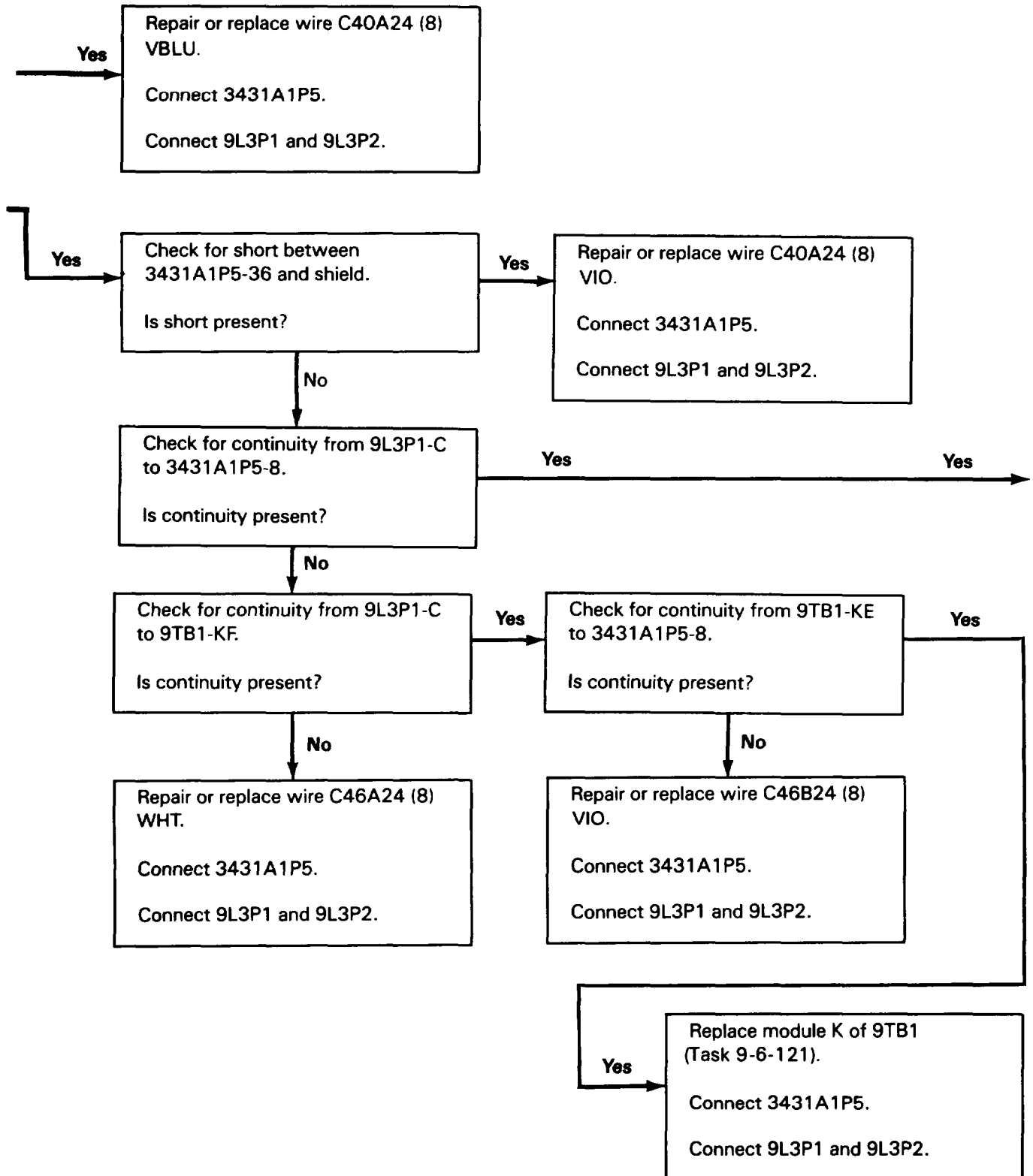
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



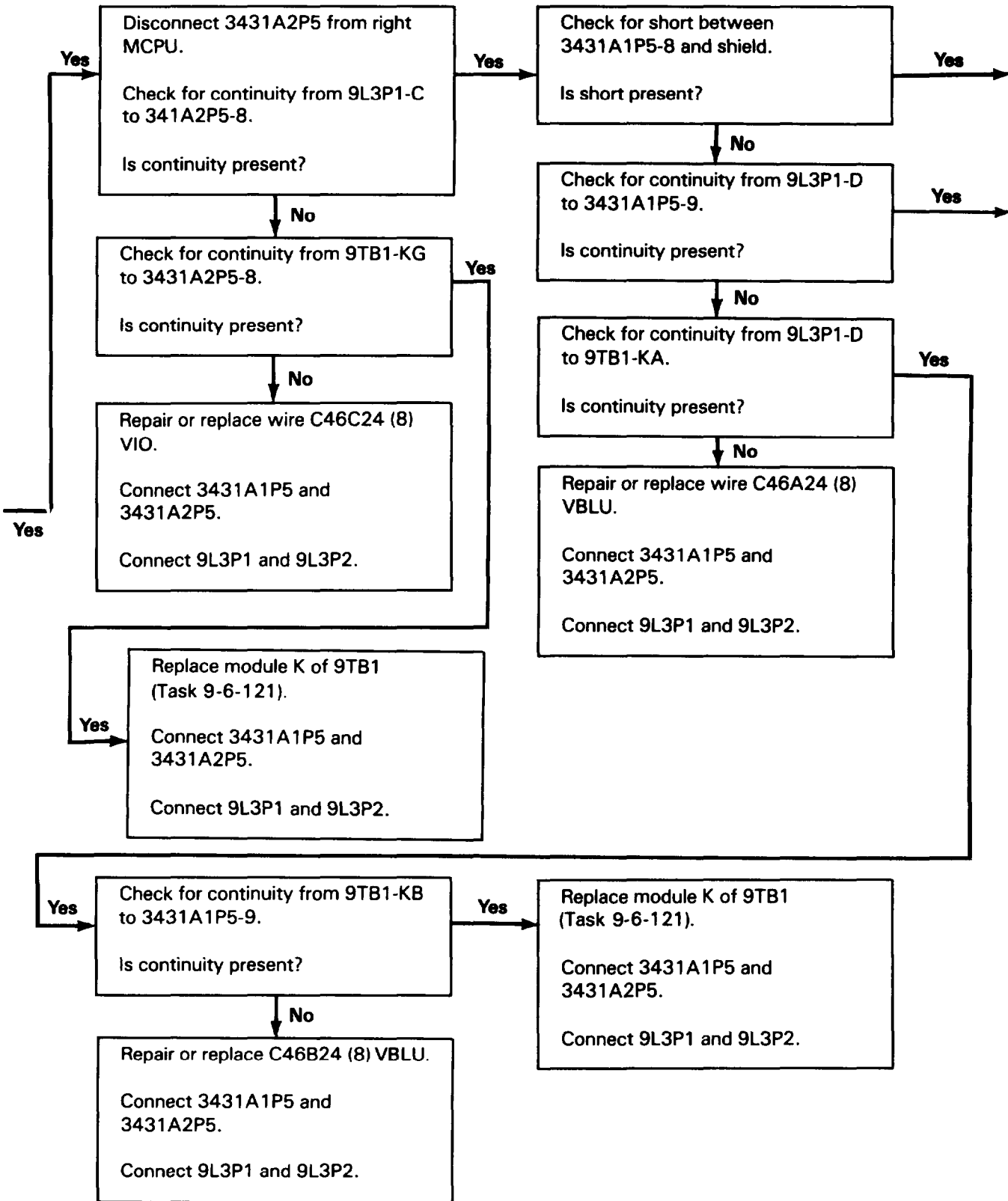
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



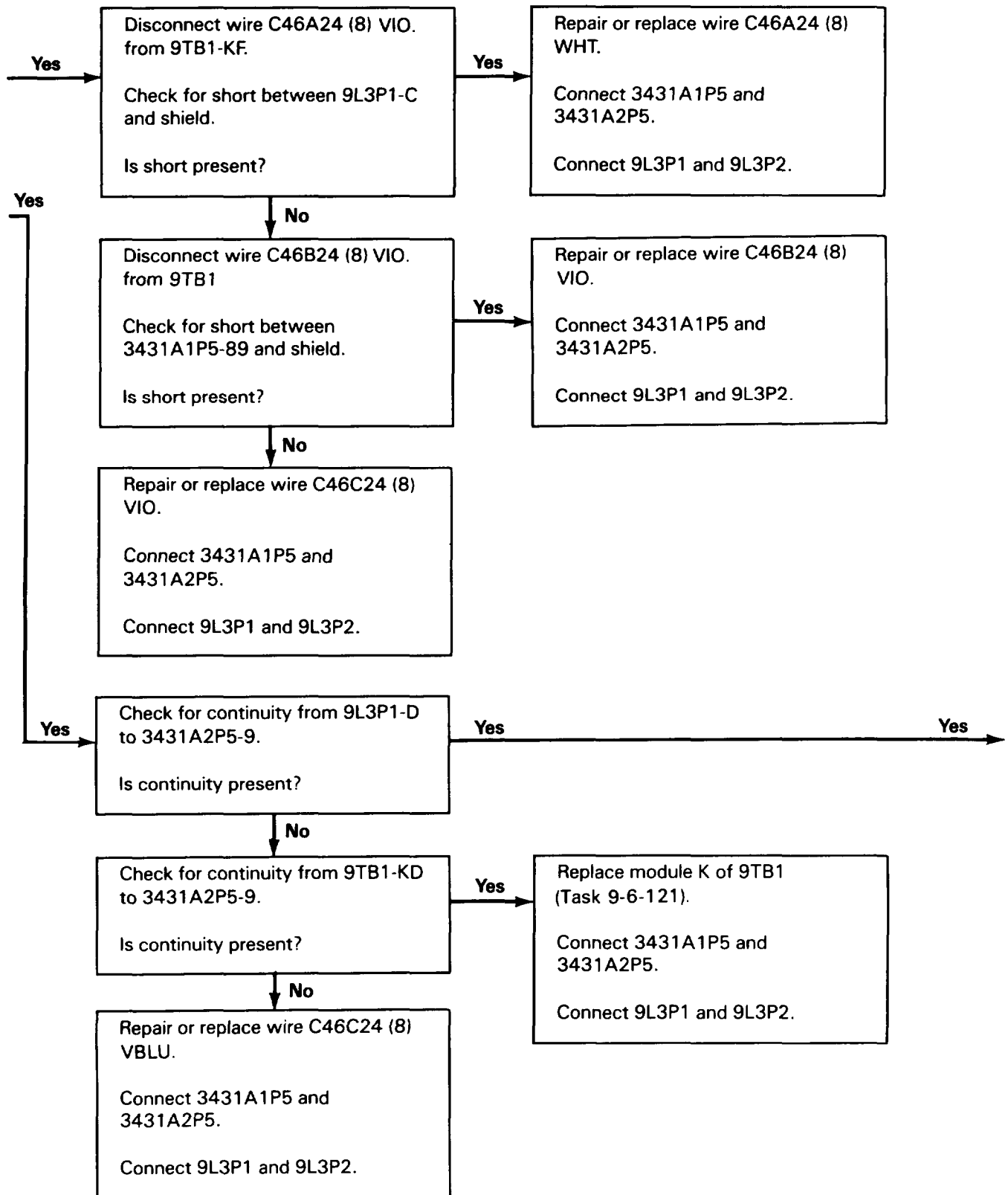
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



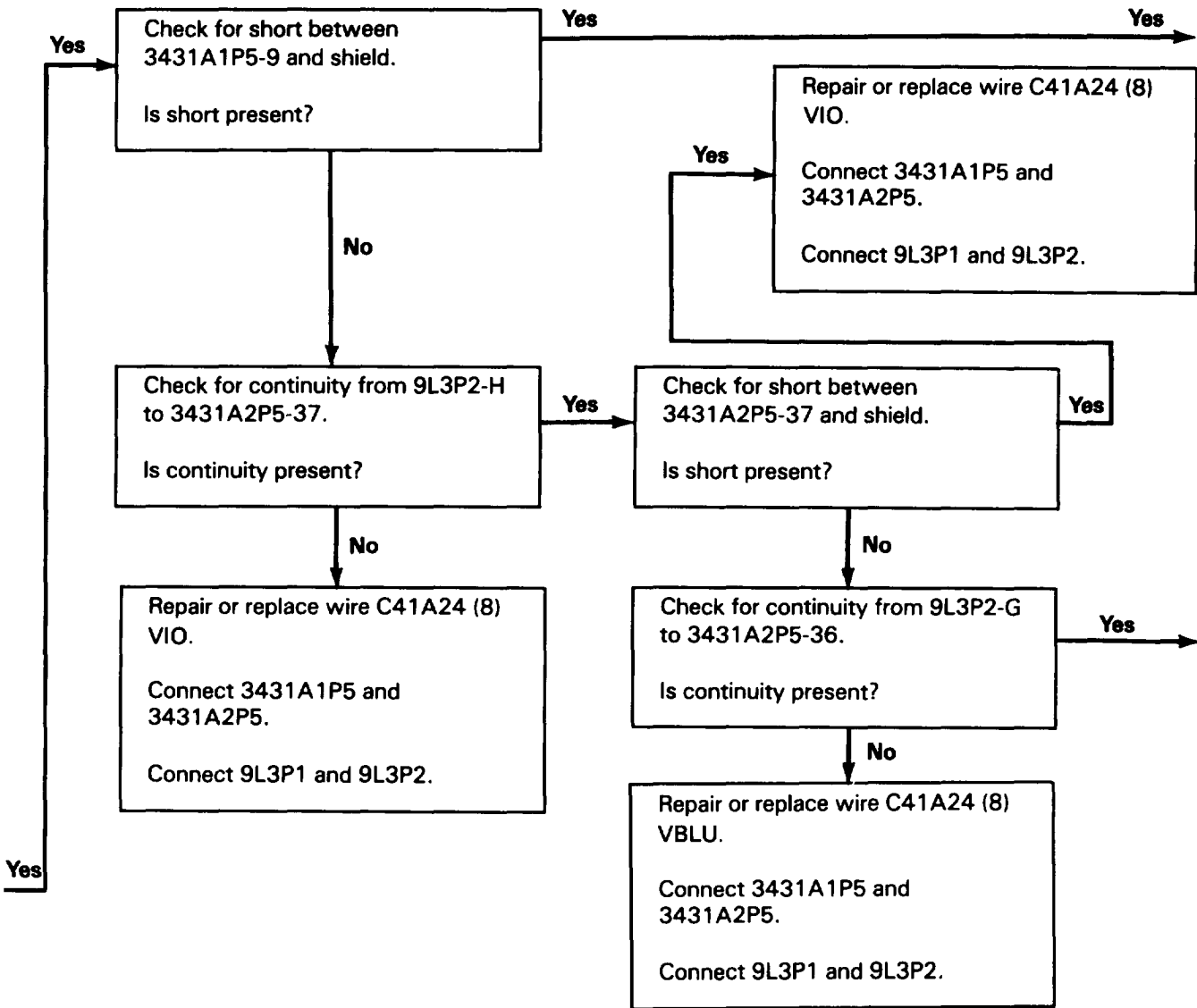
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



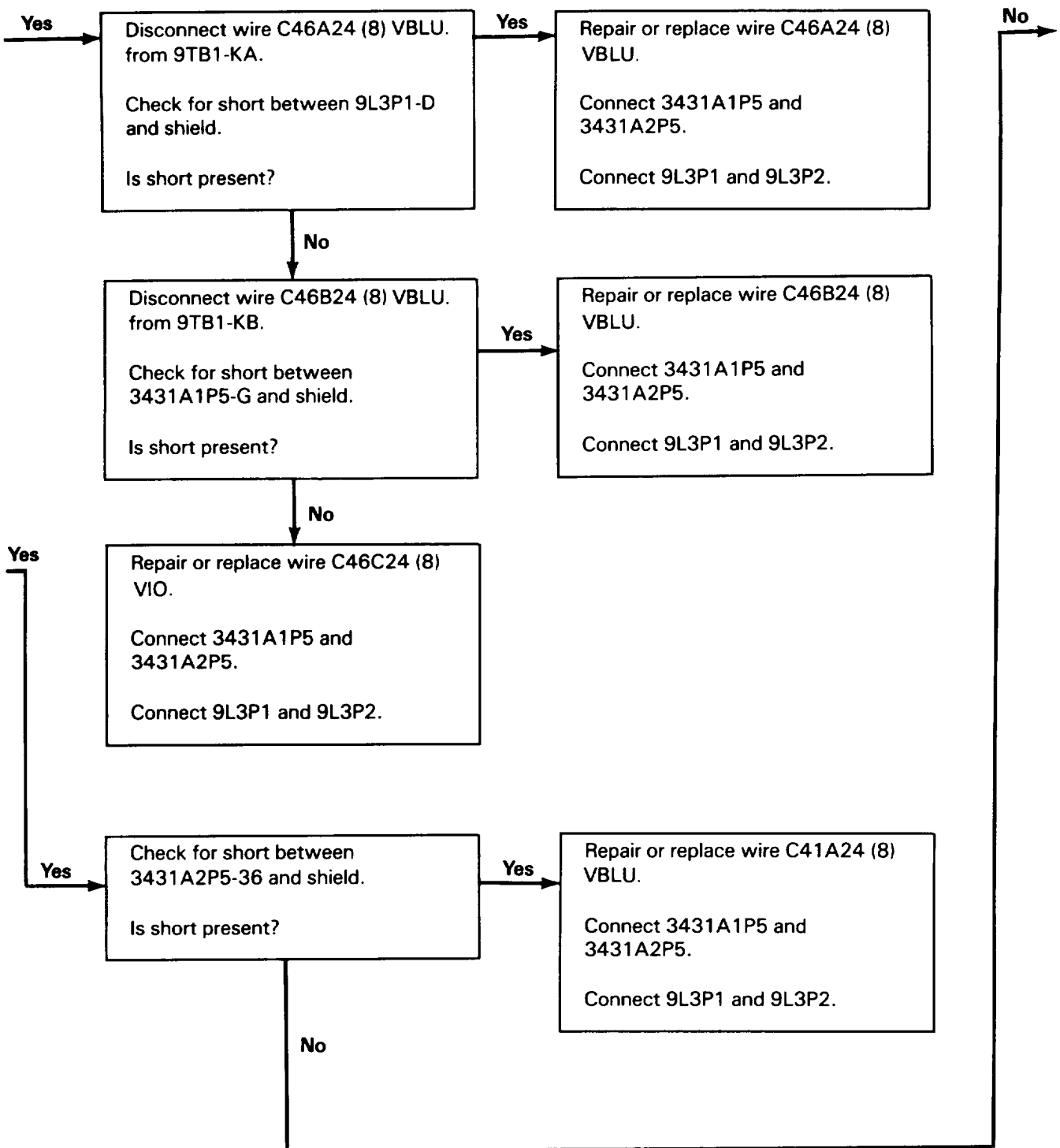
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



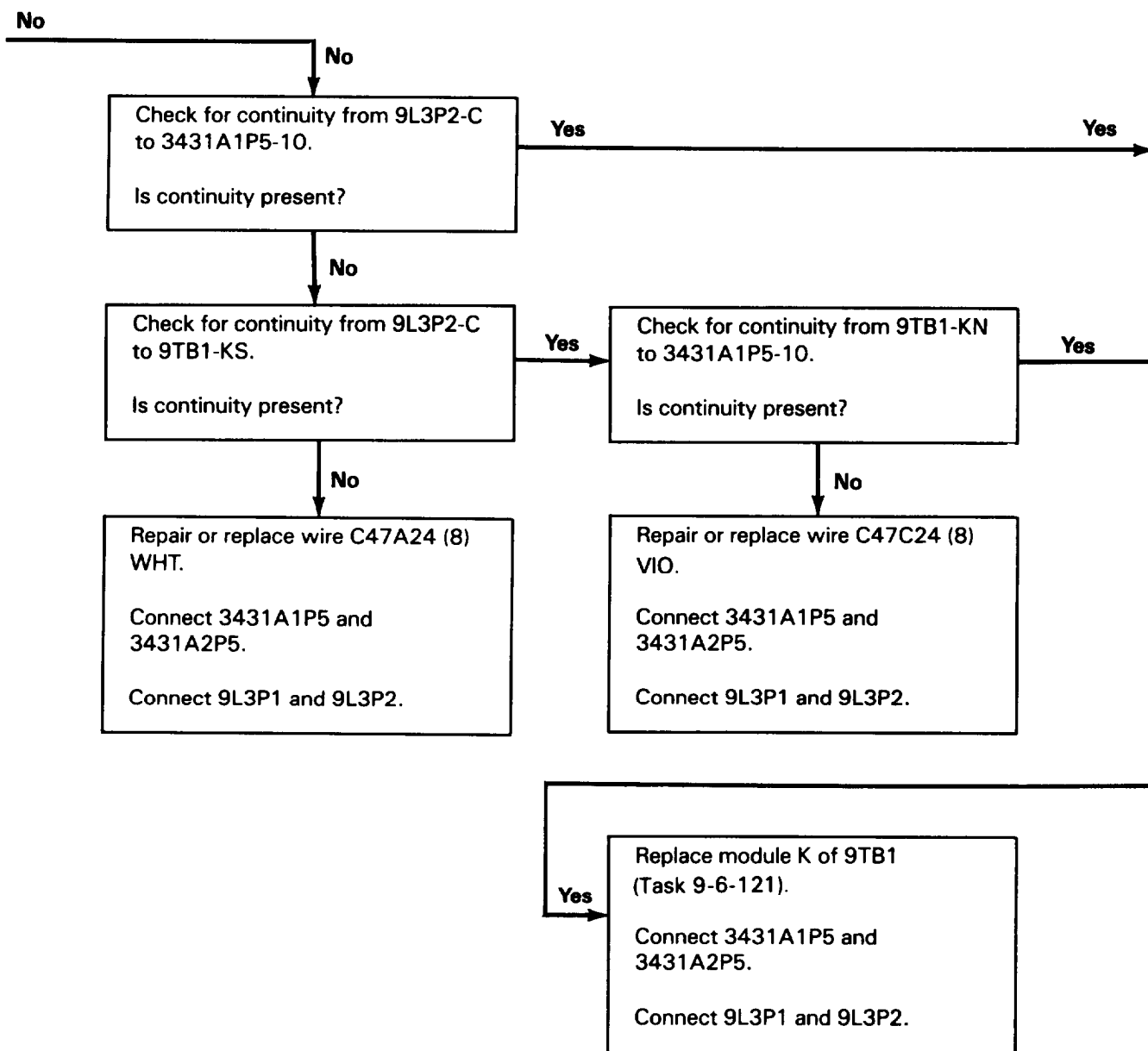
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



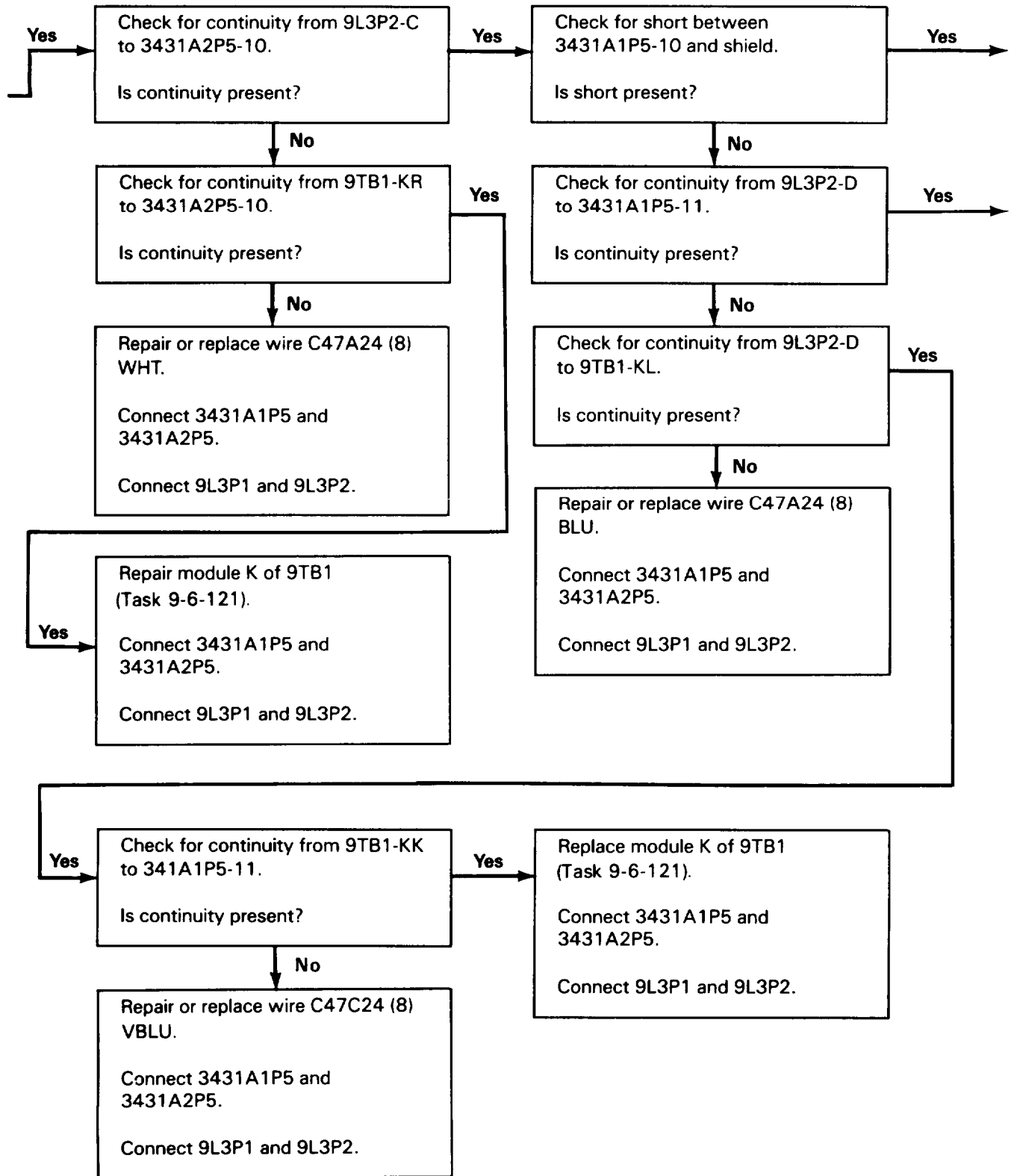
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



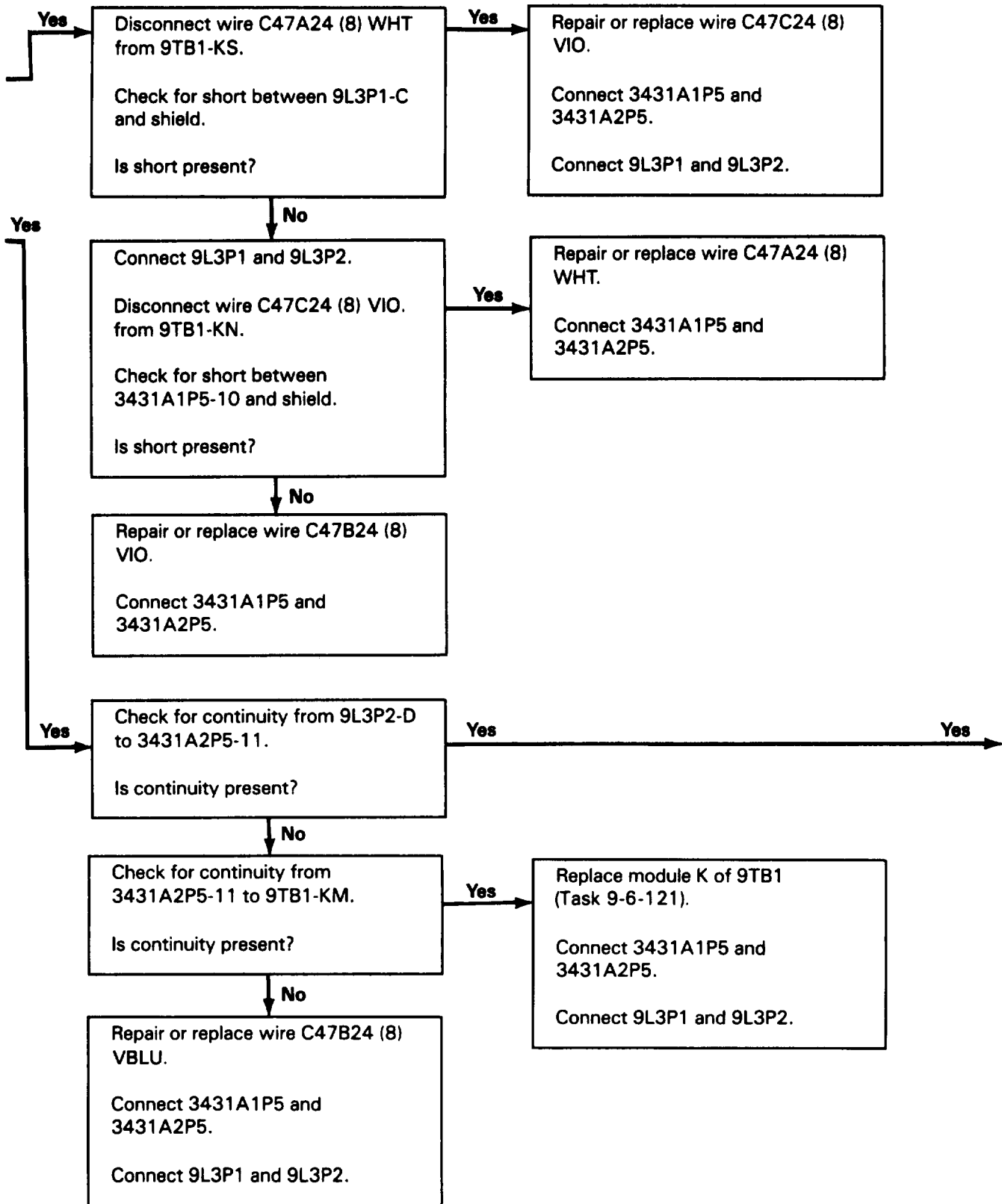
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



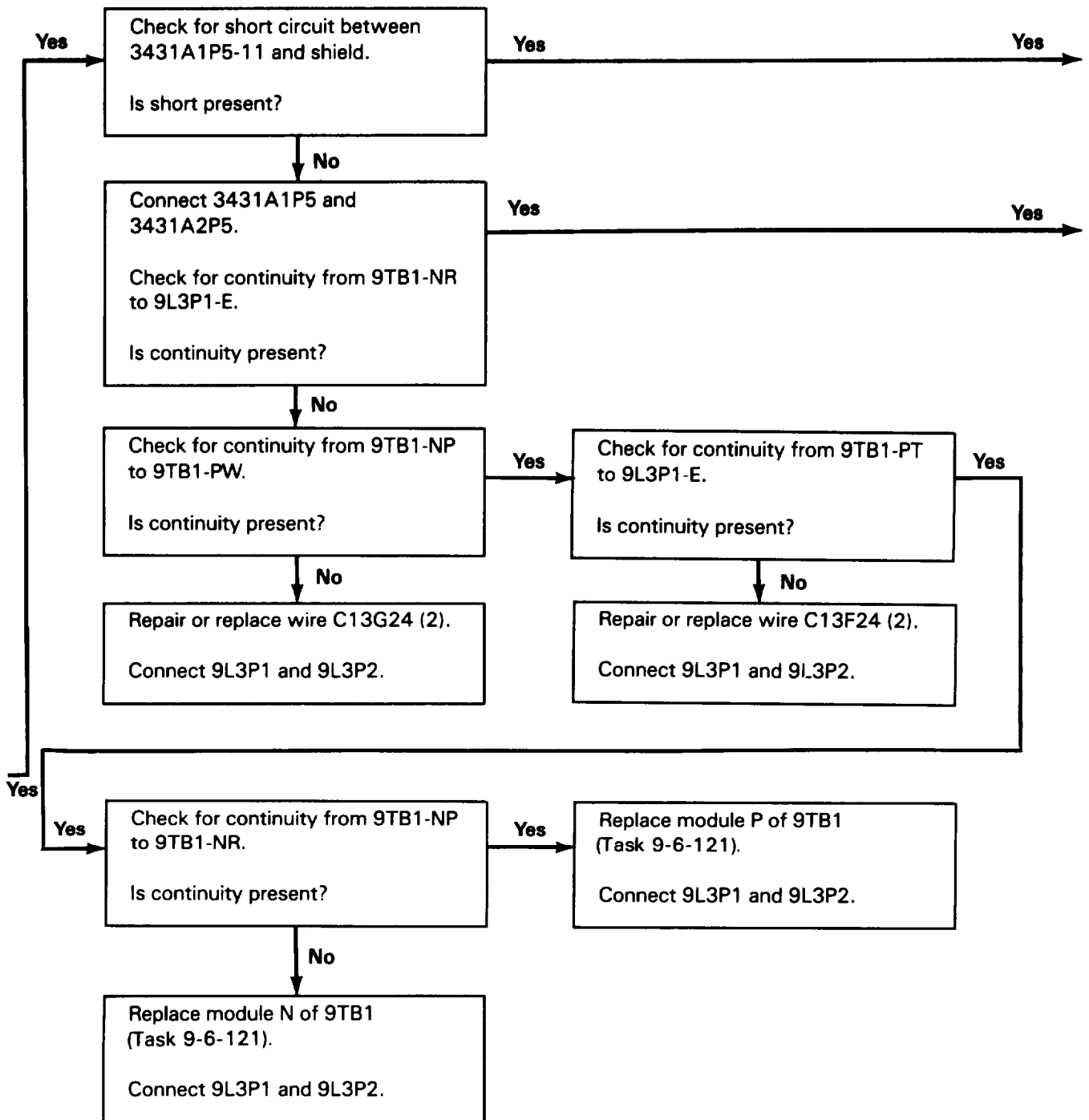
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



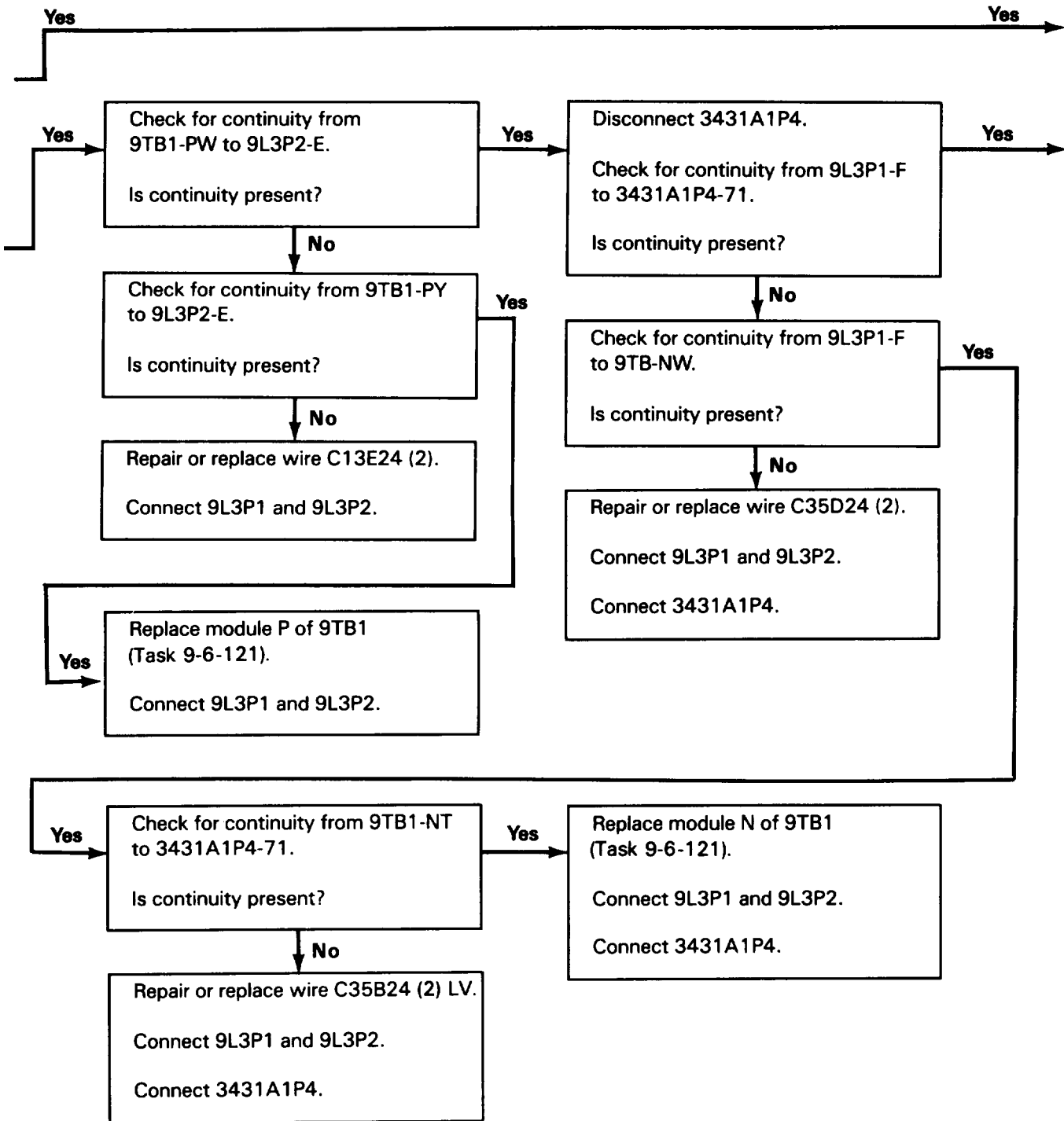
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



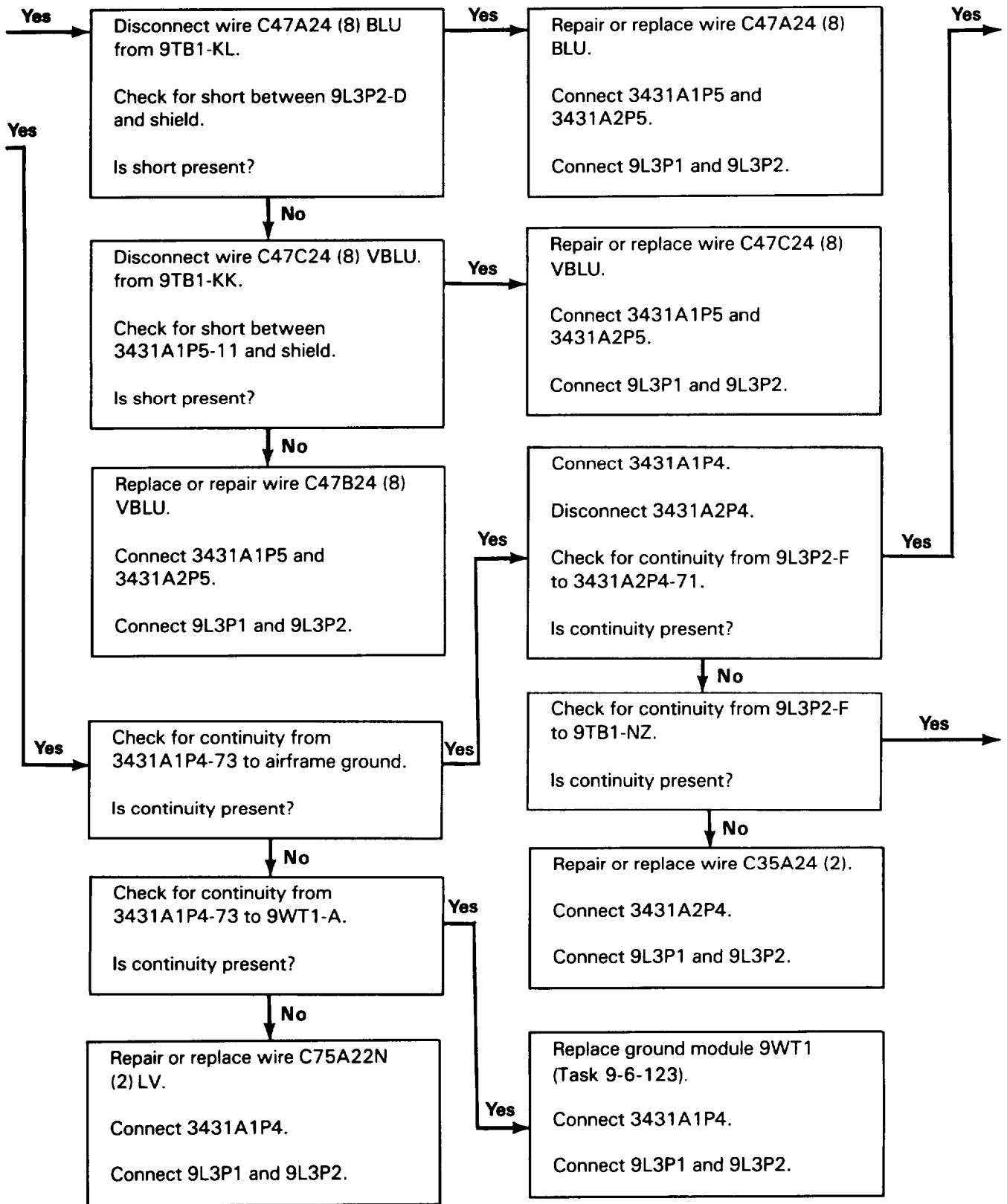
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



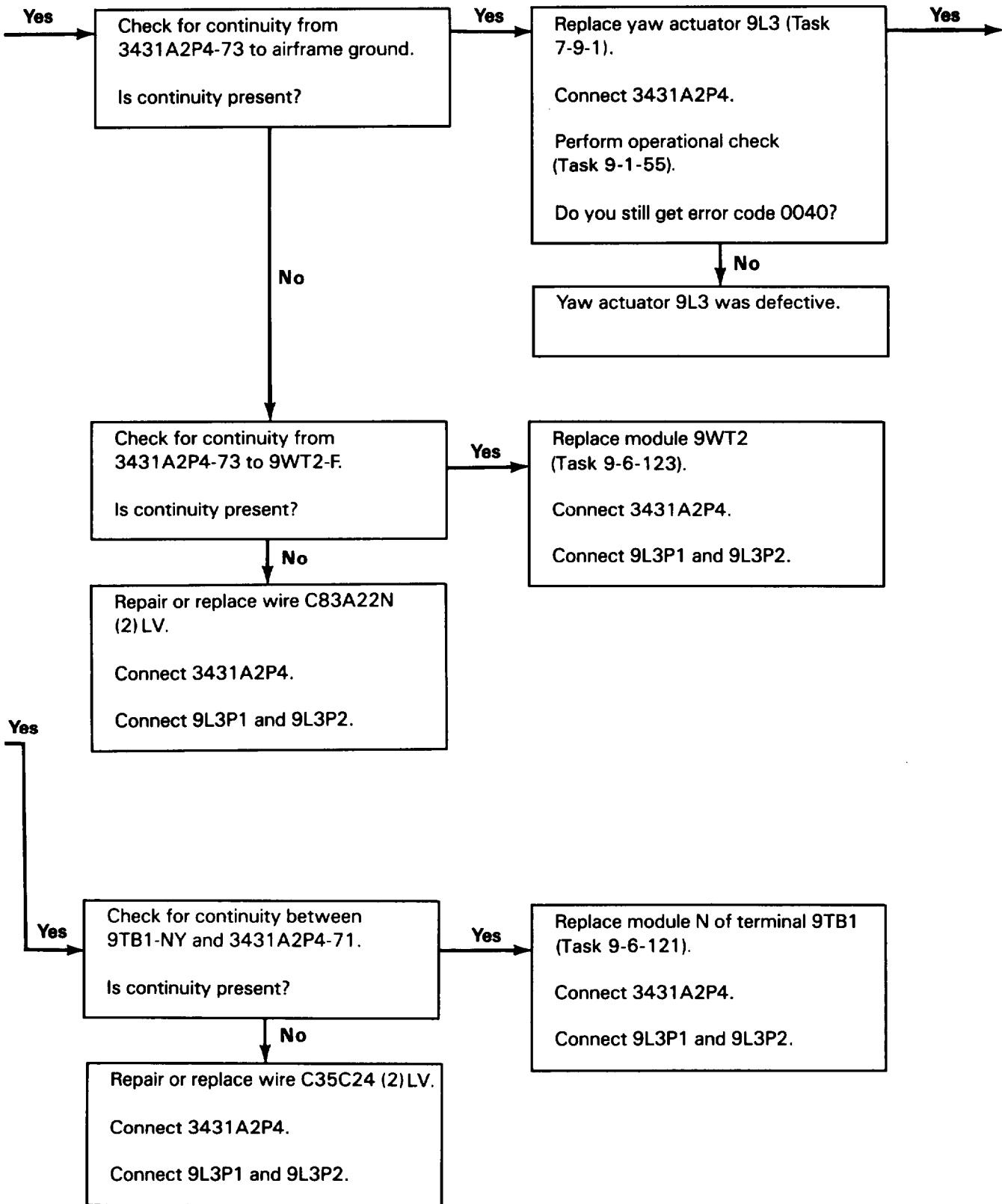
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



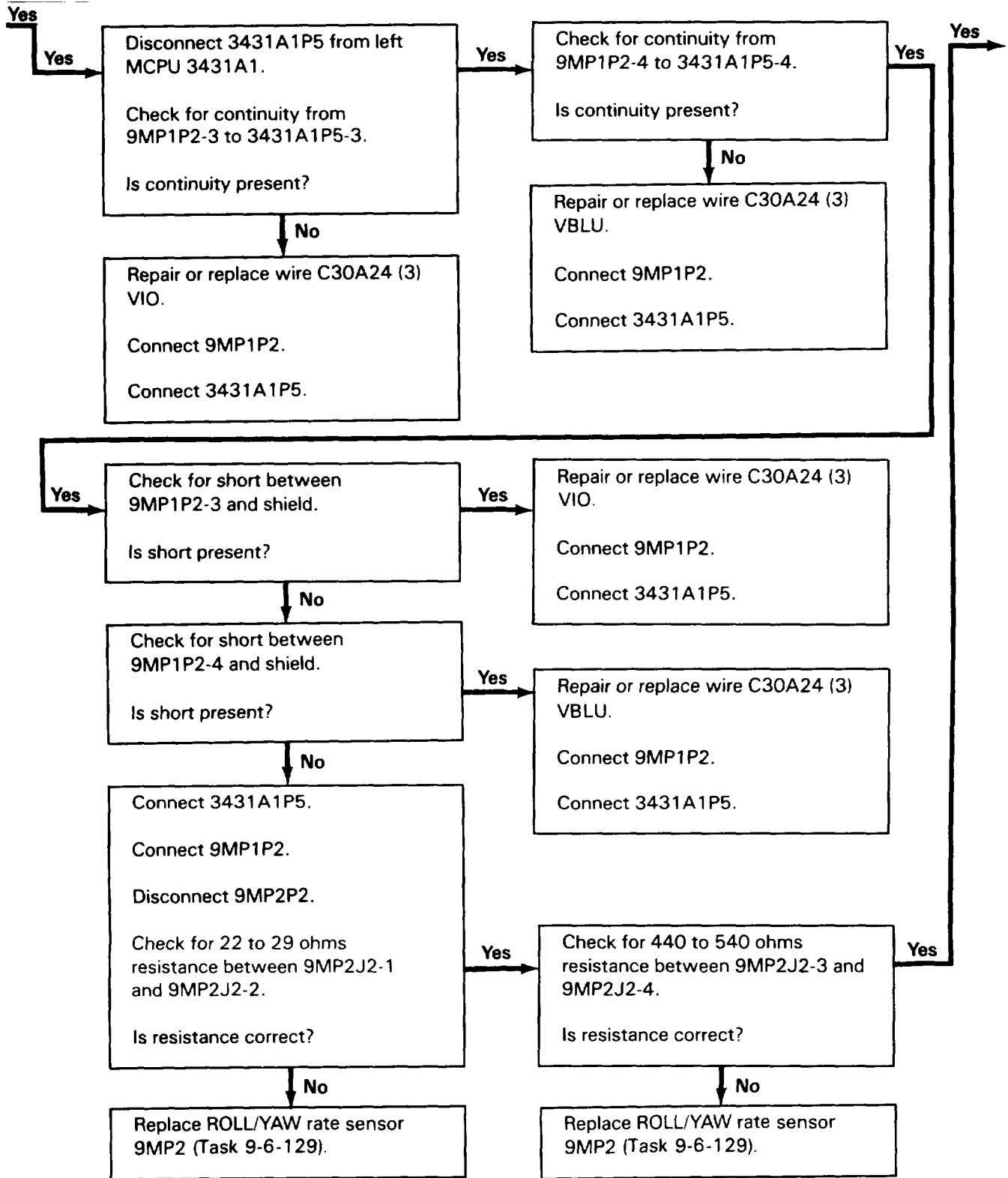
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



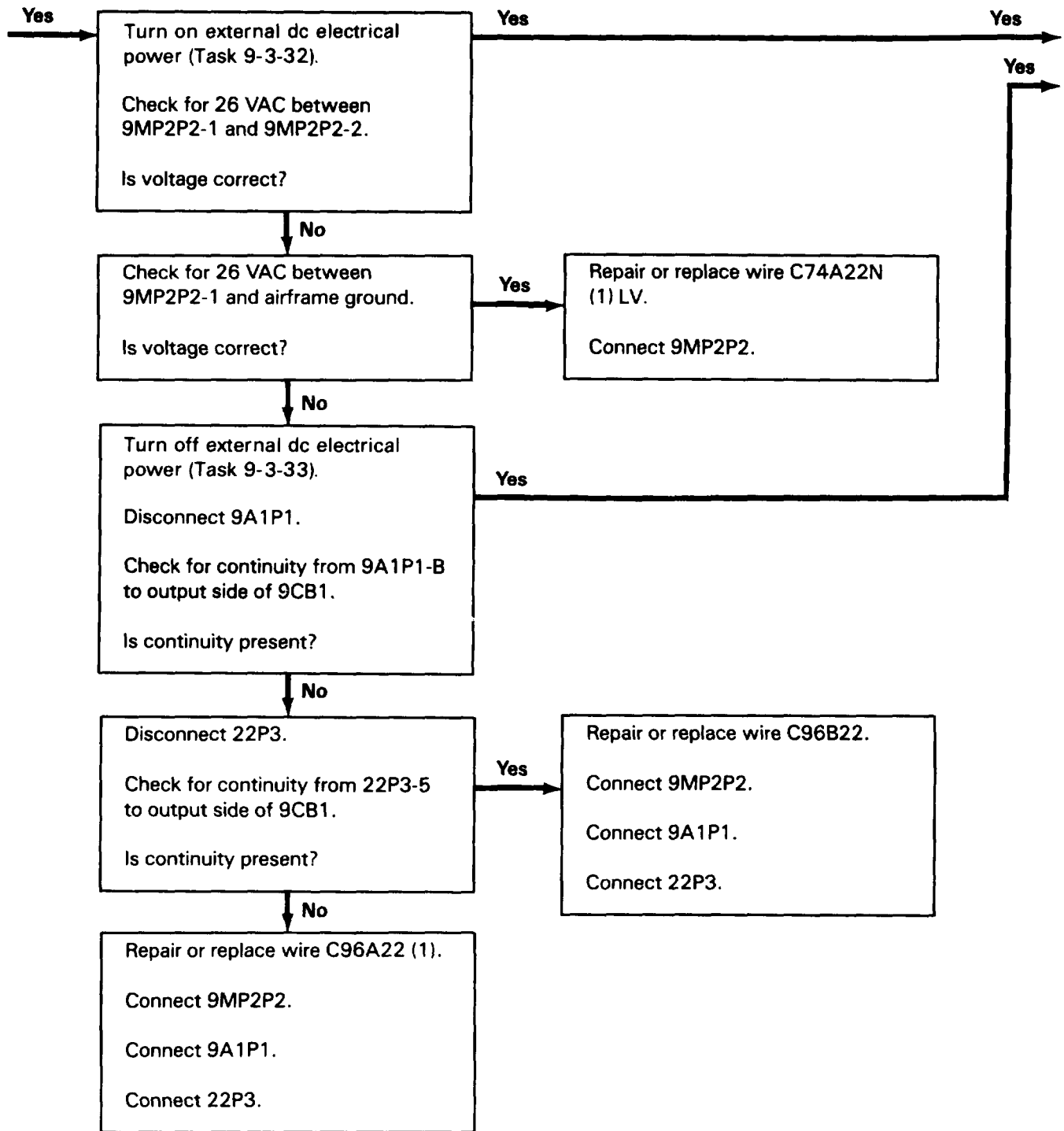
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



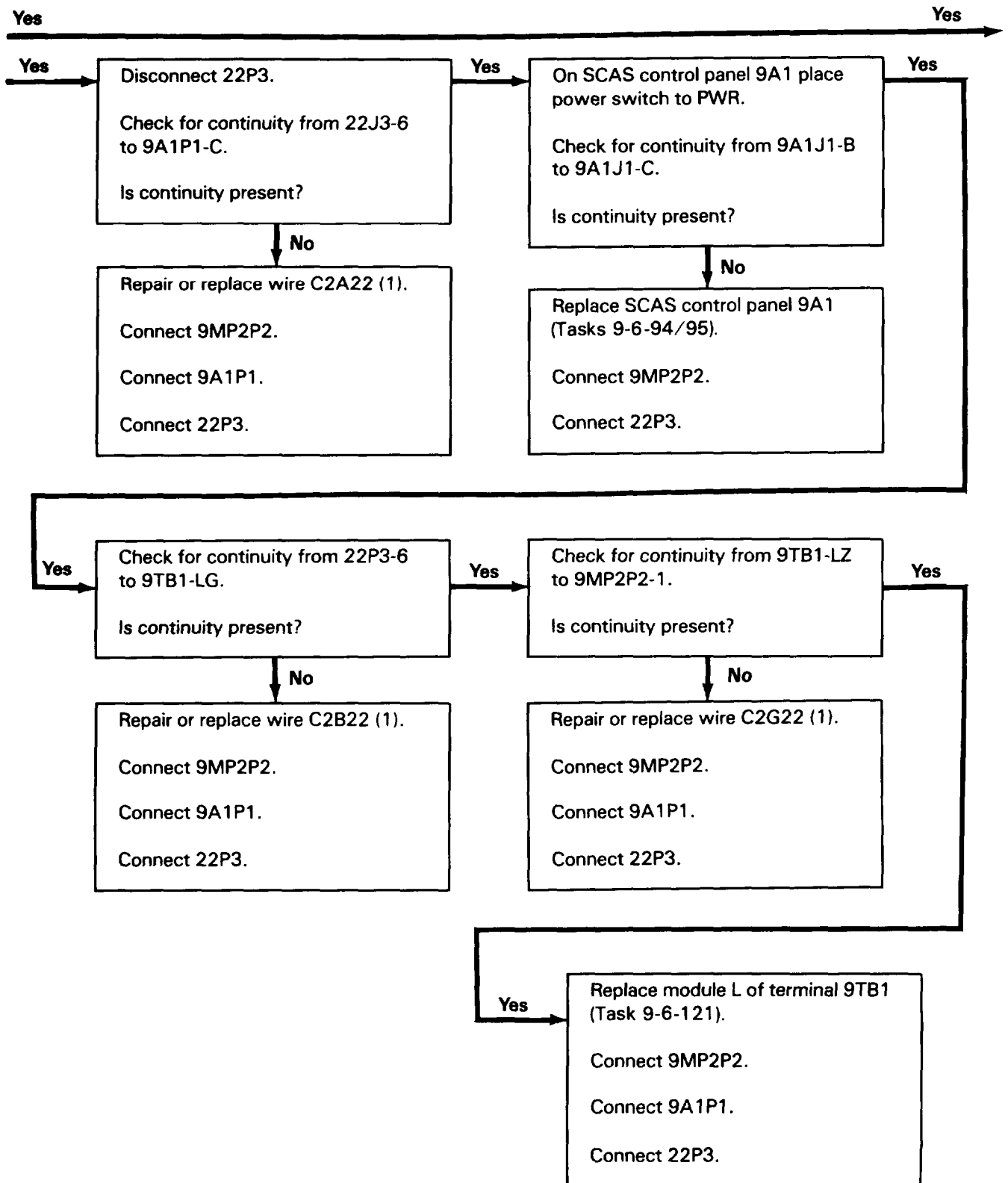
218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE (CONT)



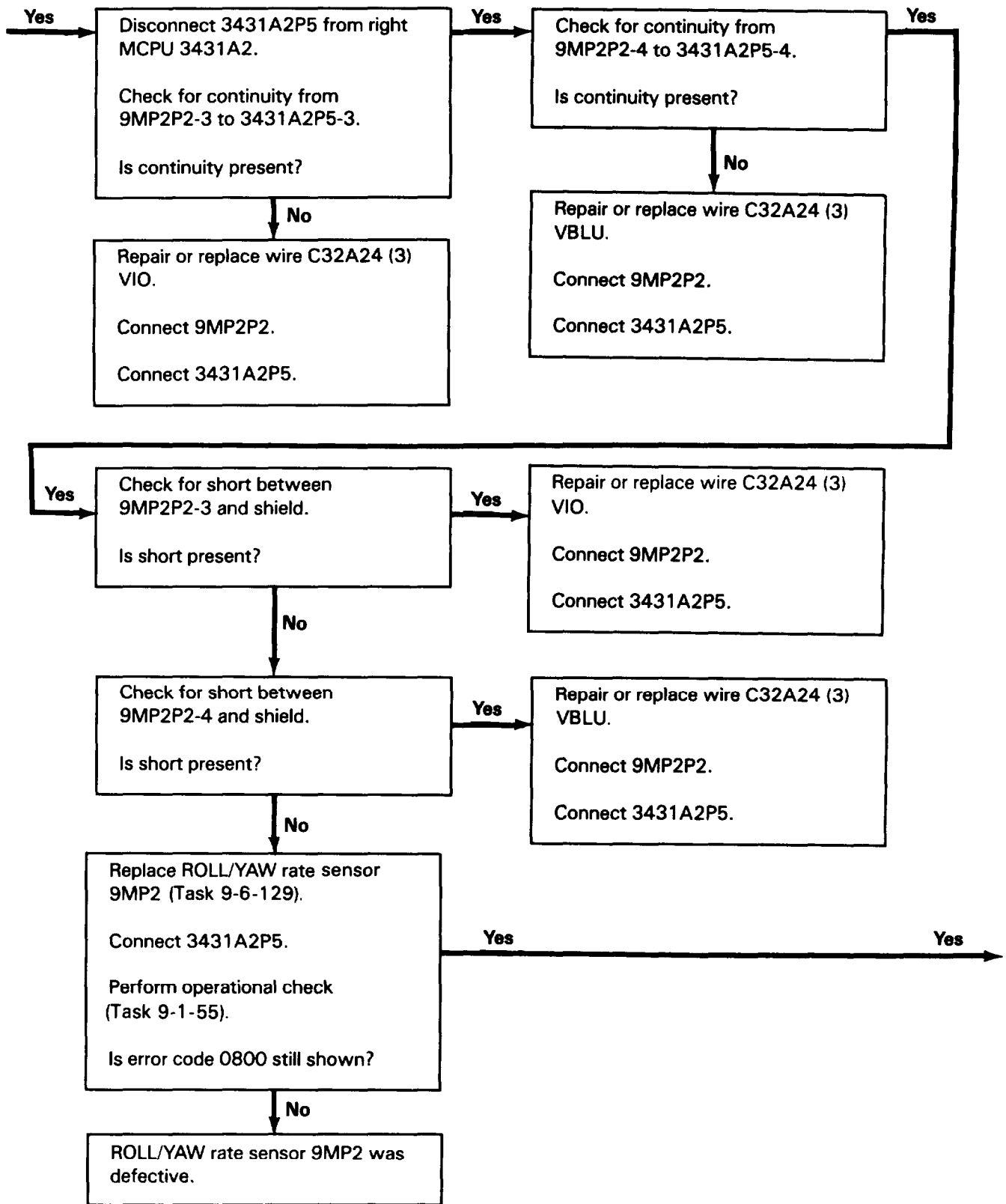
218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE (CONT)



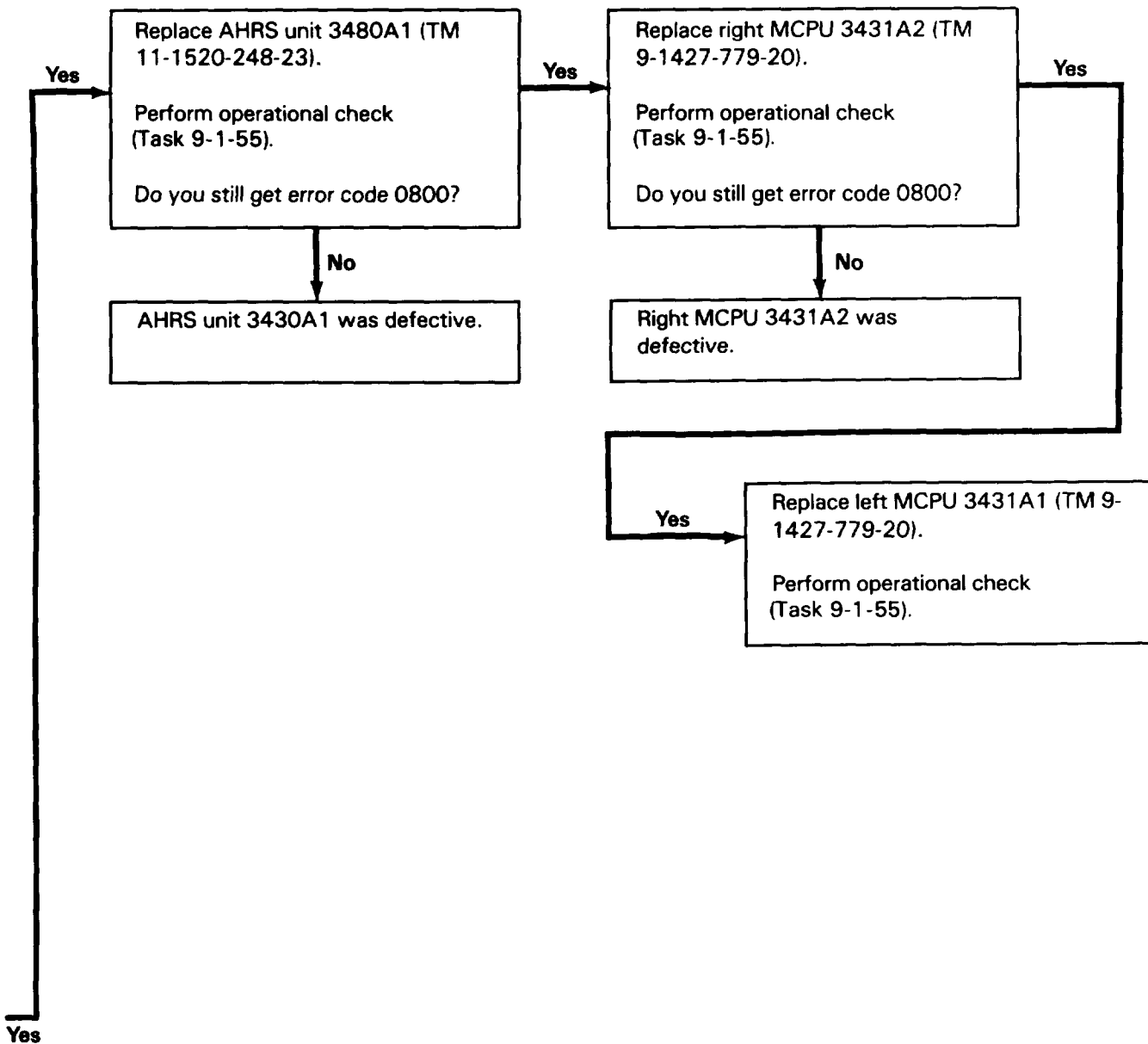
218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE (CONT)



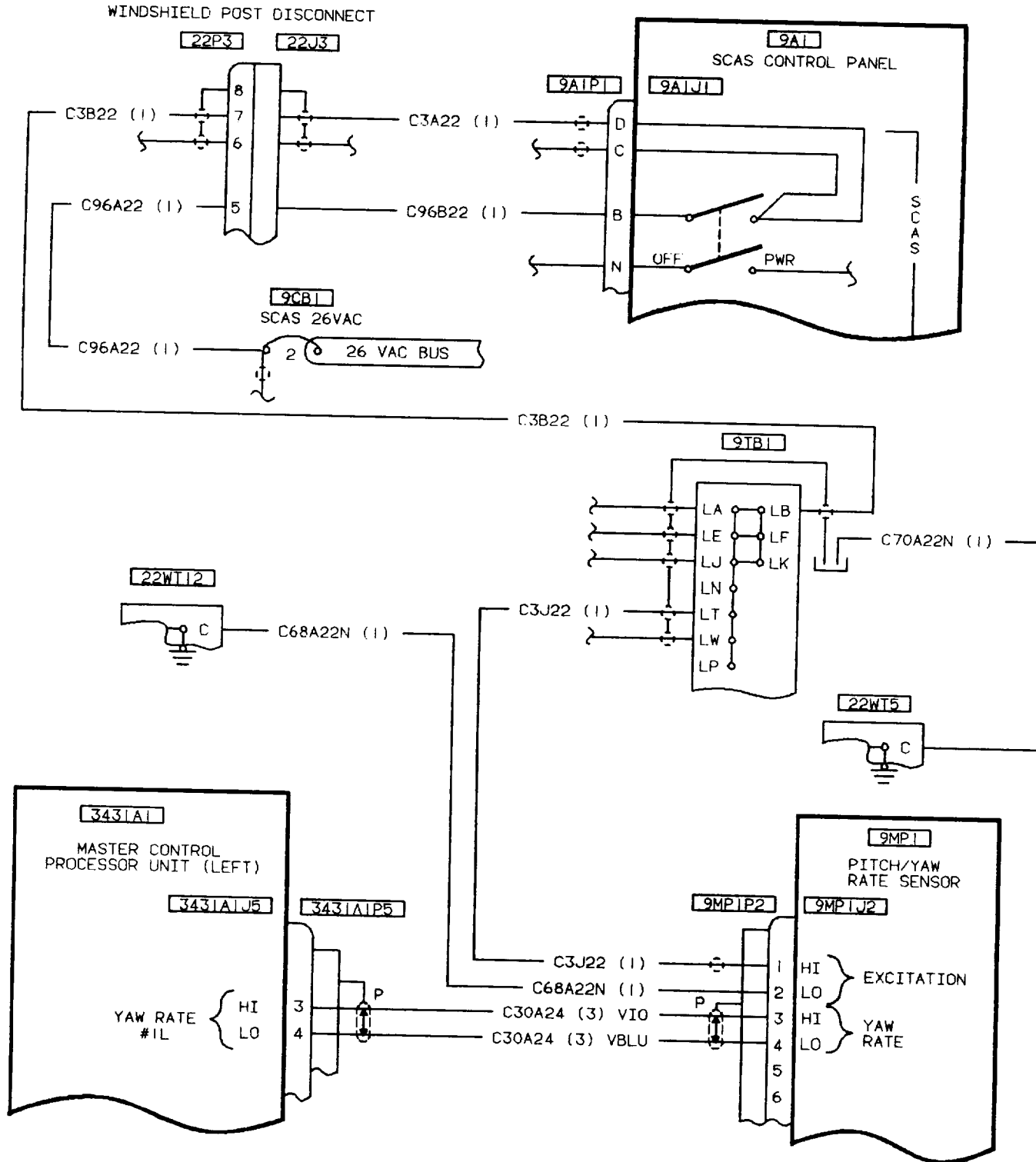
218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE (CONT)



218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE (CONT)

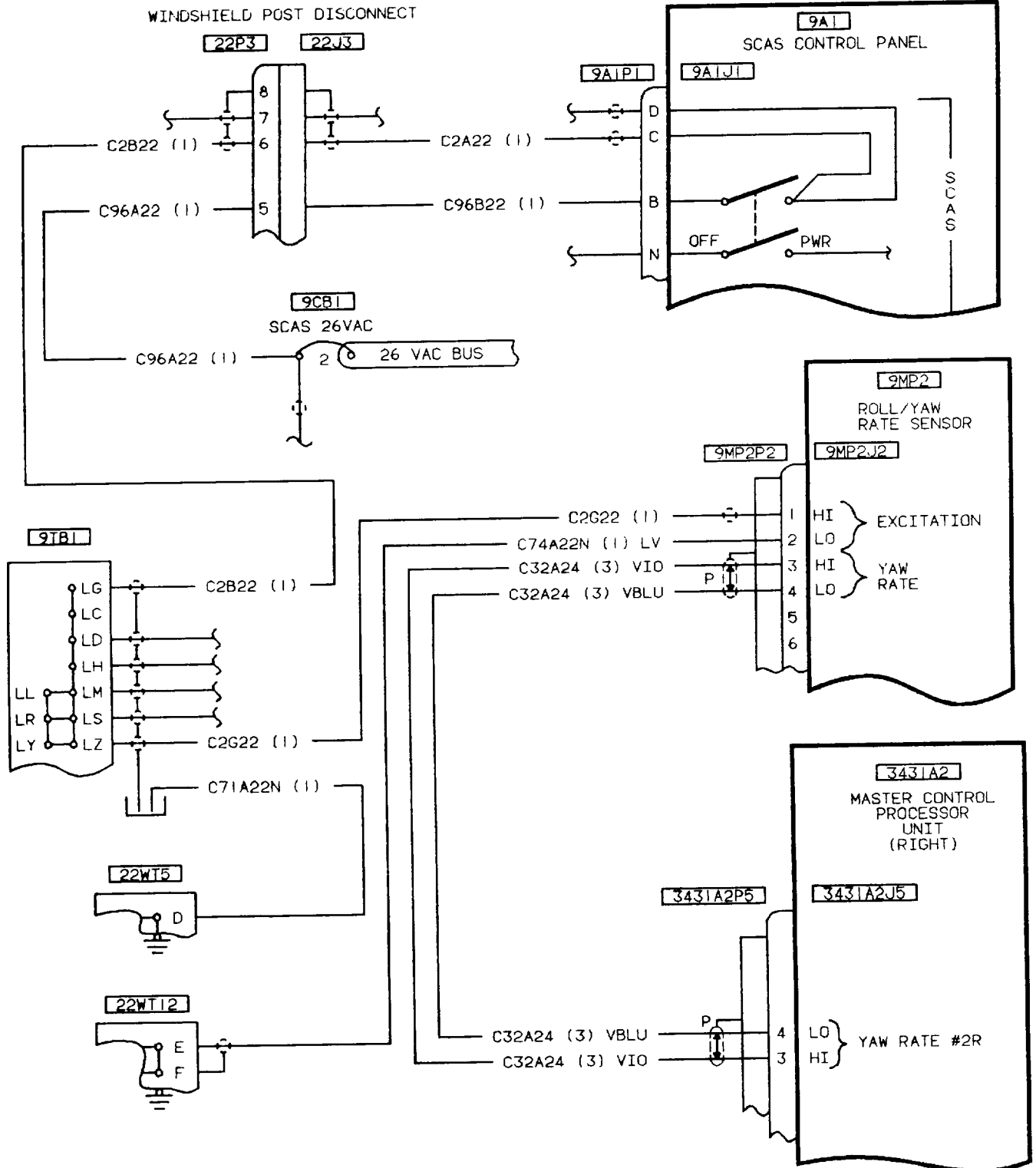


218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE (CONT)



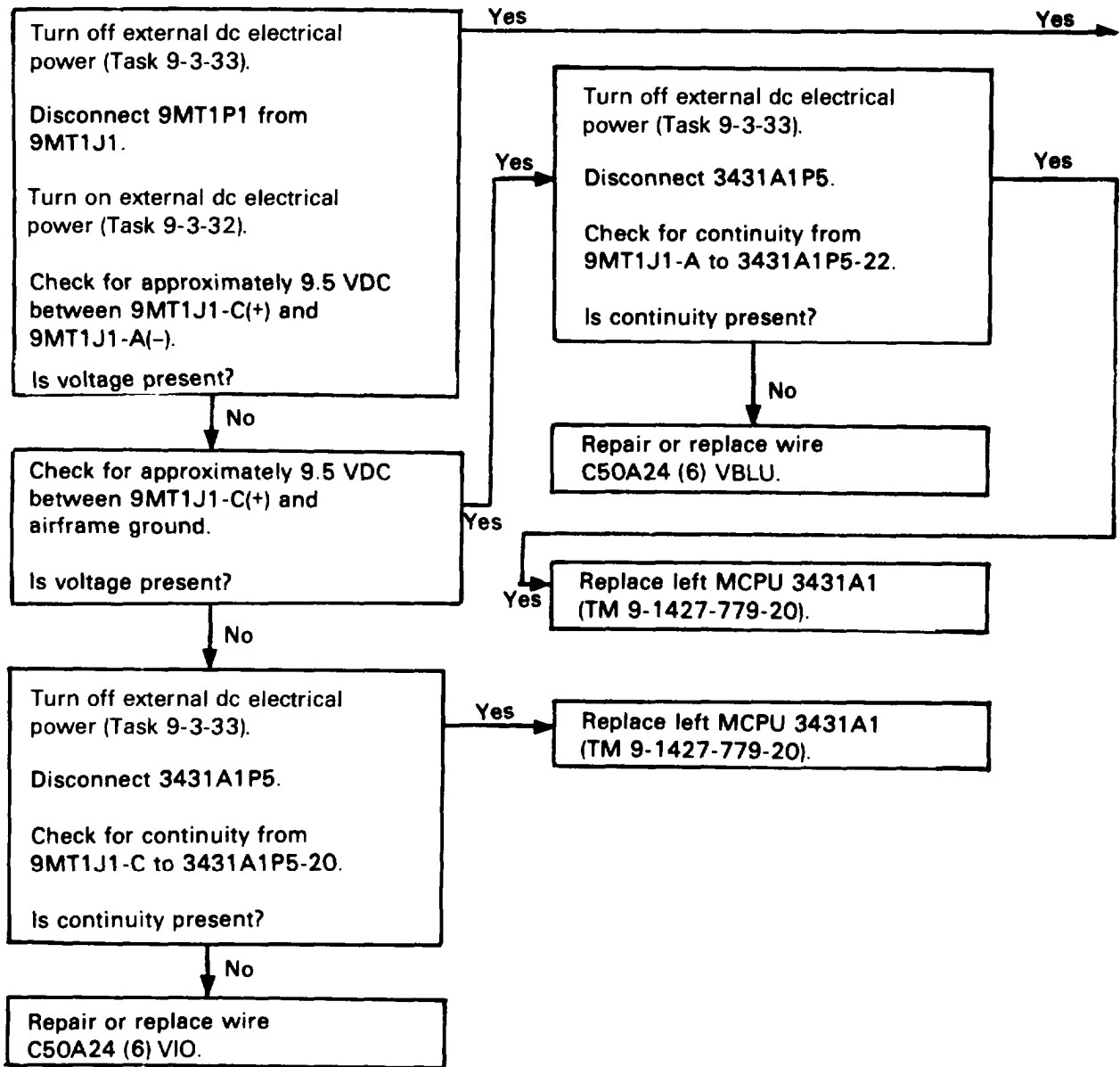
406475-473
G7132

218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE (CONT)

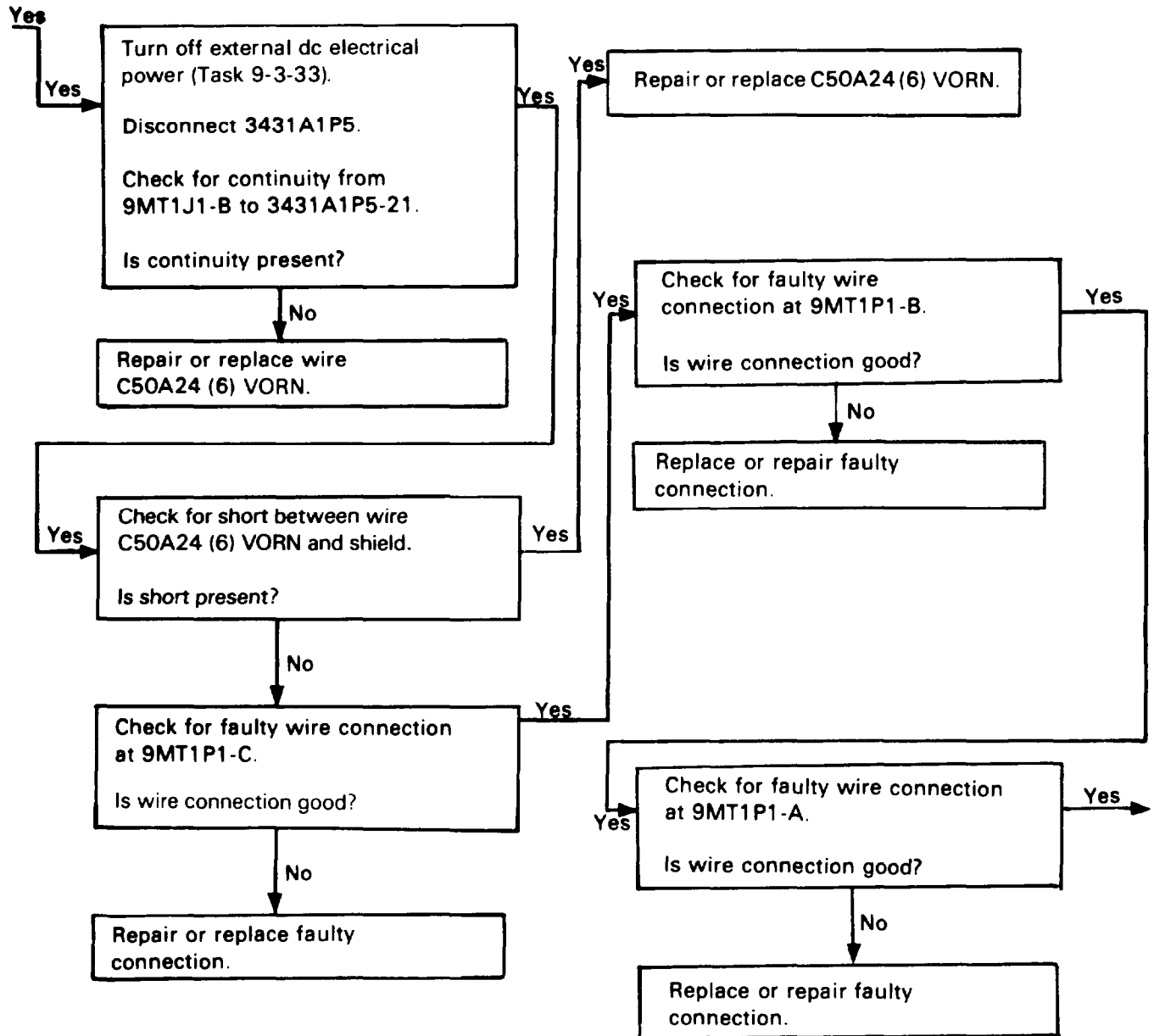


406475-474
G7132

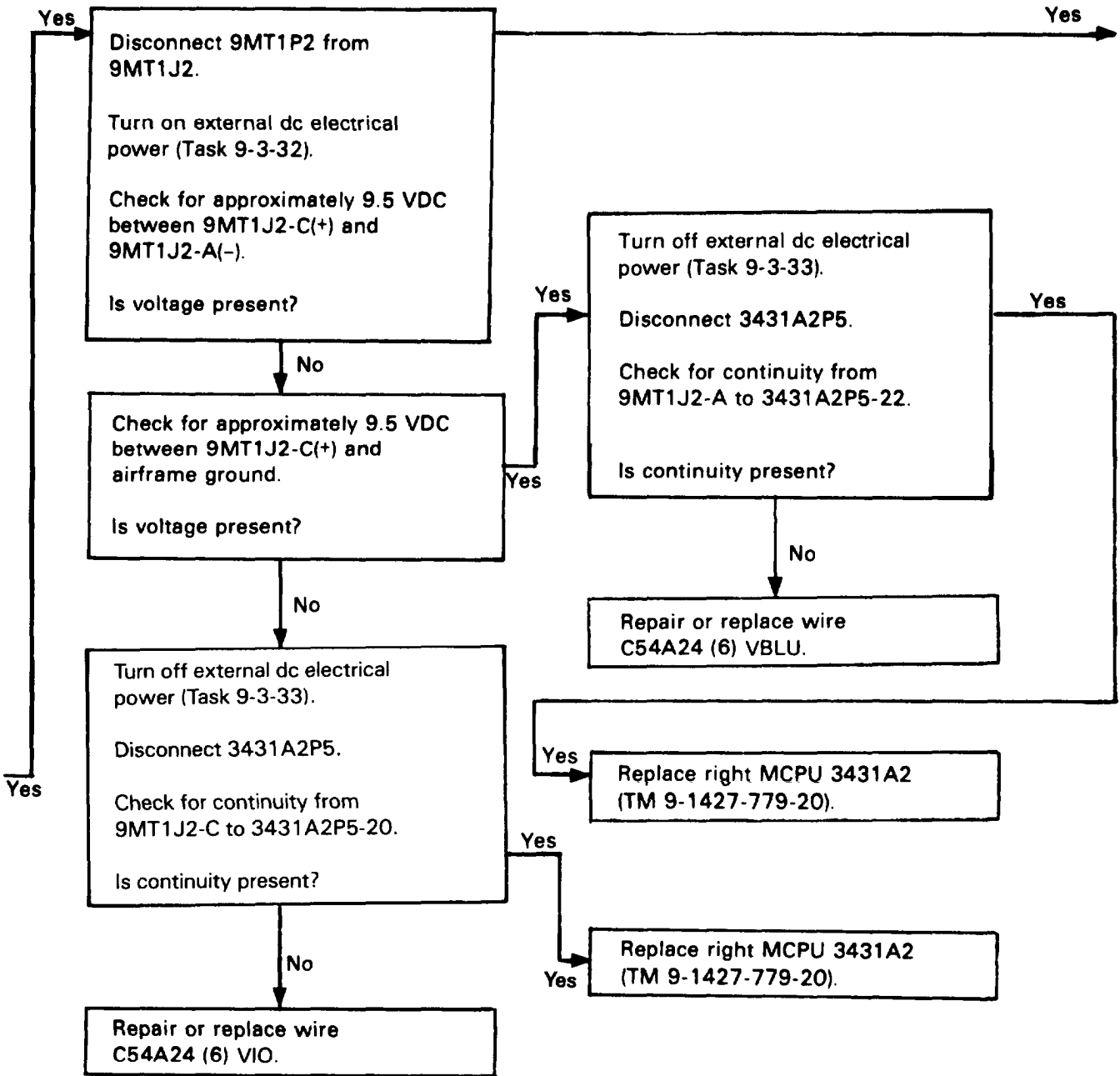
219. ERROR CODE 1000 WORD 1 FORWARD/AFT CYCLIC CONTROL MOTION TRANSDUCER FAILURE



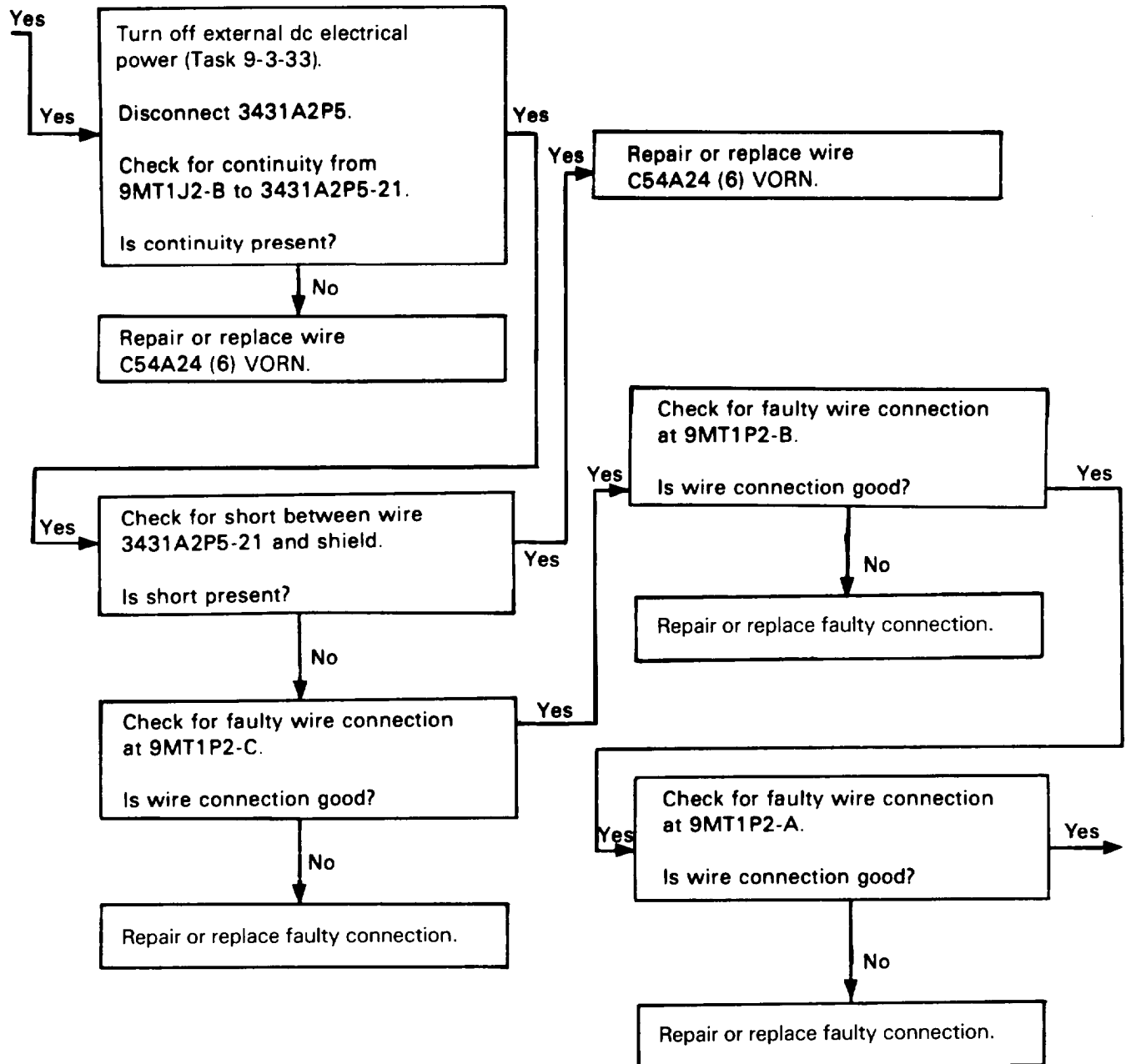
219. ERROR CODE 1000 WORD 1 FORWARD/AFT CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)



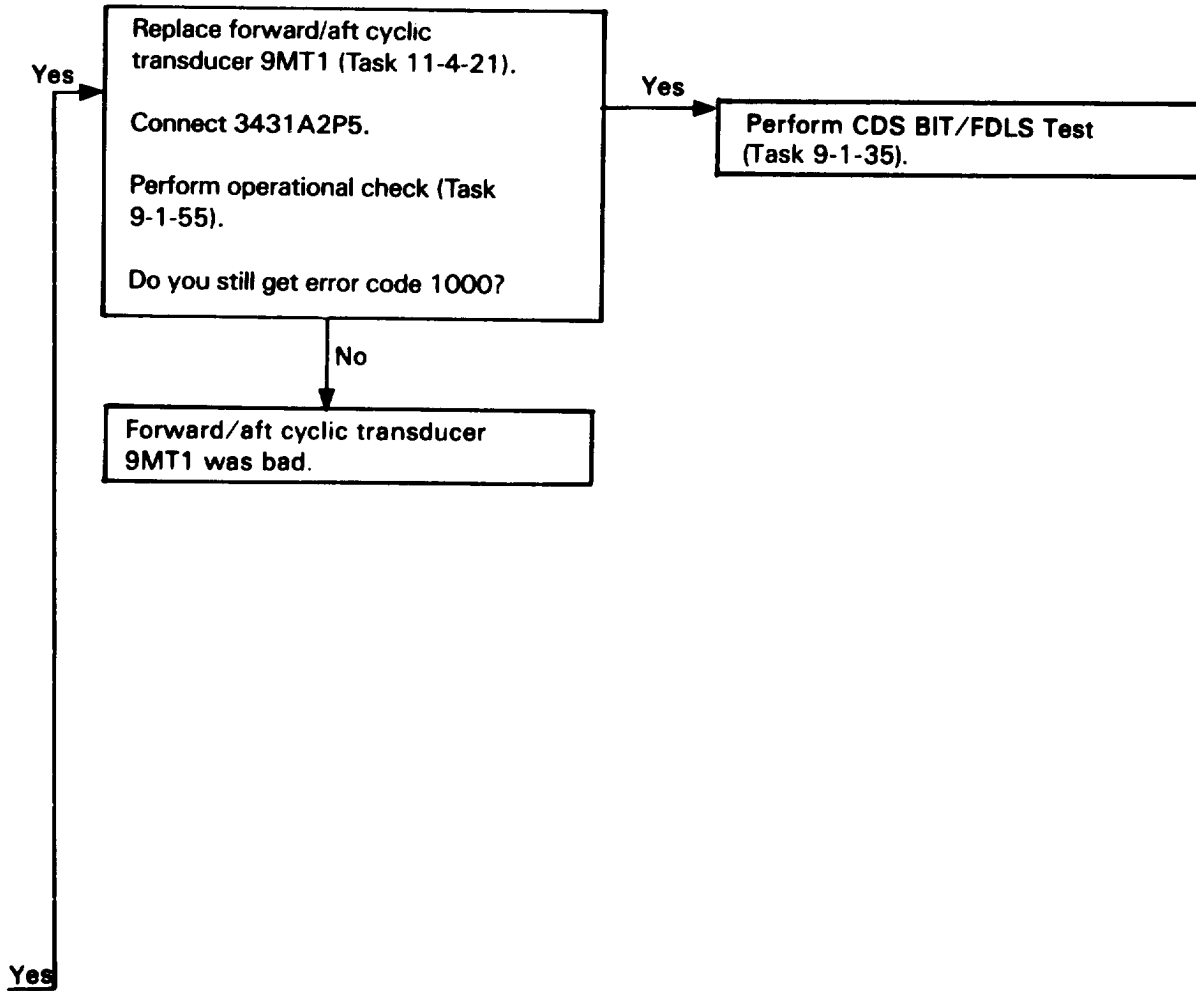
219. ERROR CODE 1000 WORD 1 FORWARD/AFT CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)



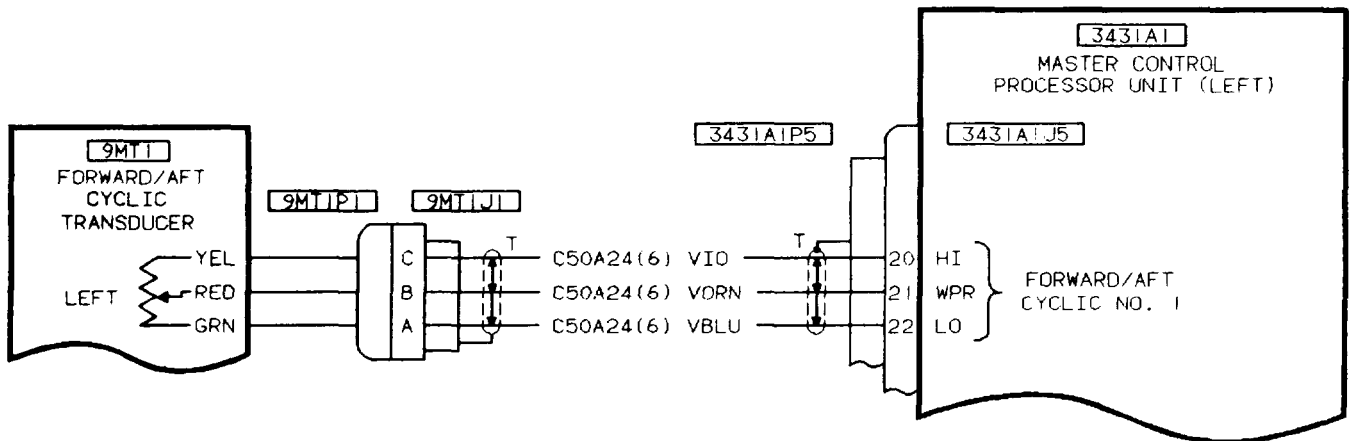
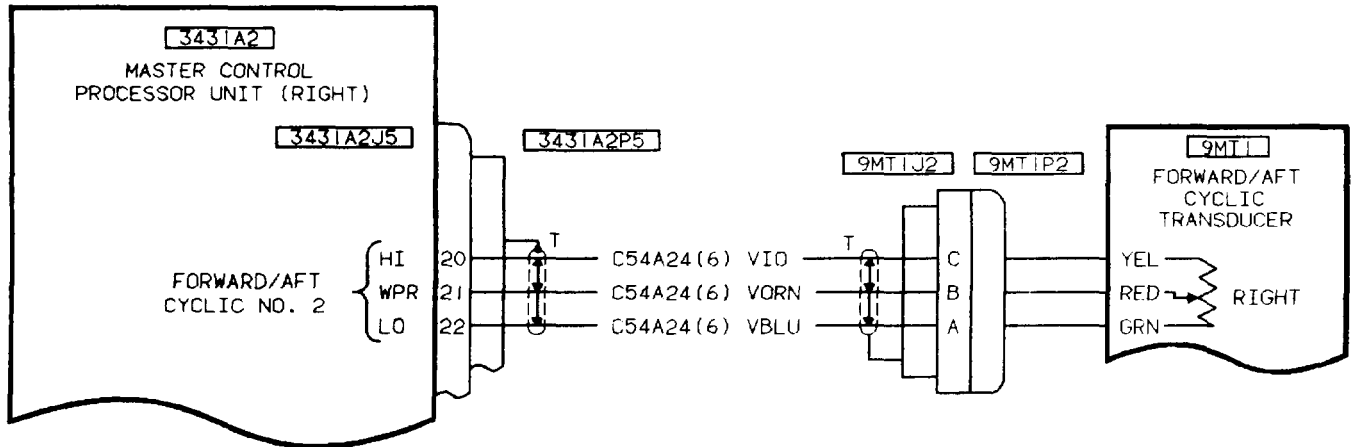
219. ERROR CODE 1000 WORD 1 FORWARD/AFT CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)



219. ERROR CODE 1000 WORD 1 FORWARD/AFT CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)

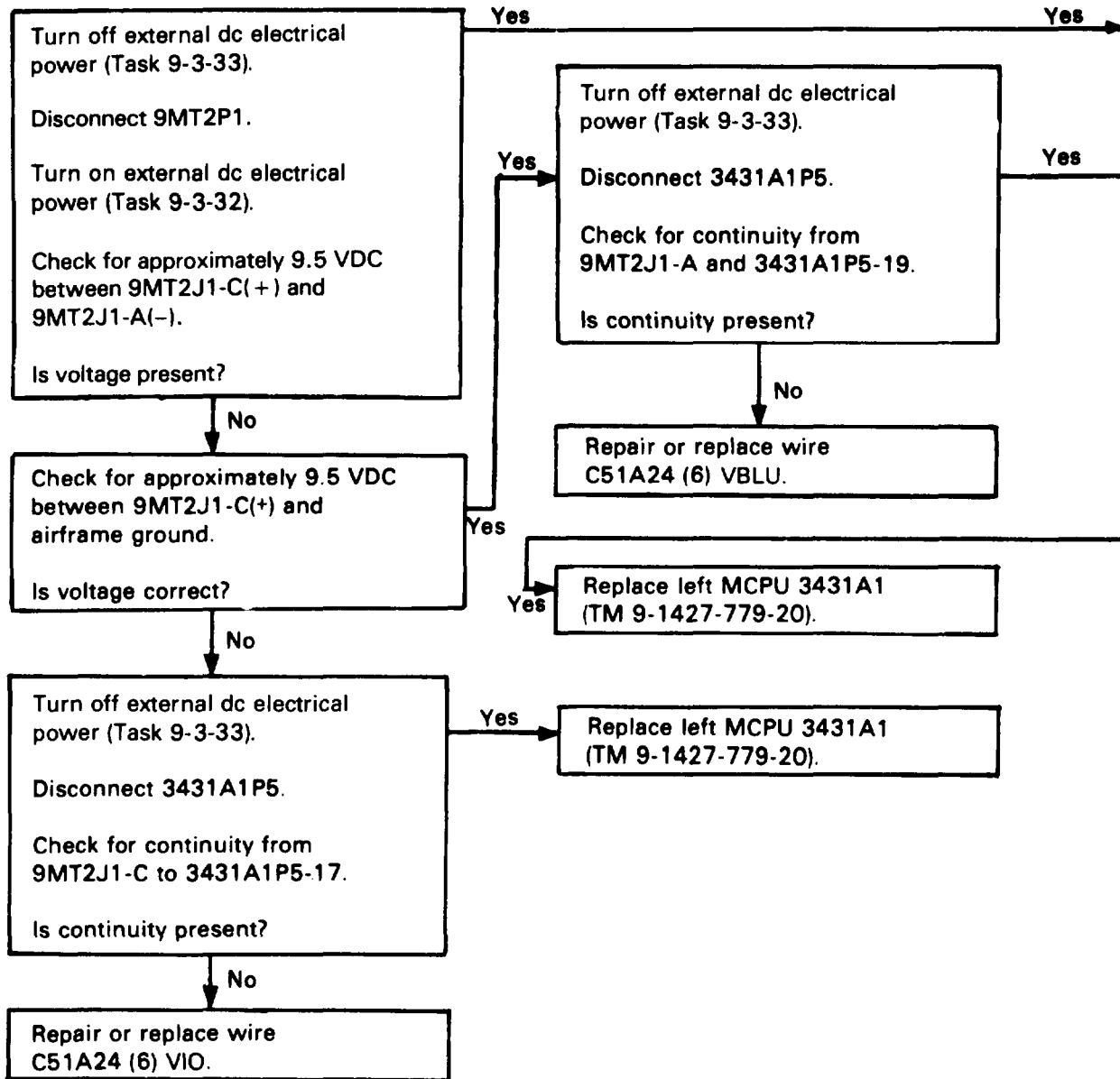


219. ERROR CODE 1000 WORD 1 FORWARD/AFT CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)

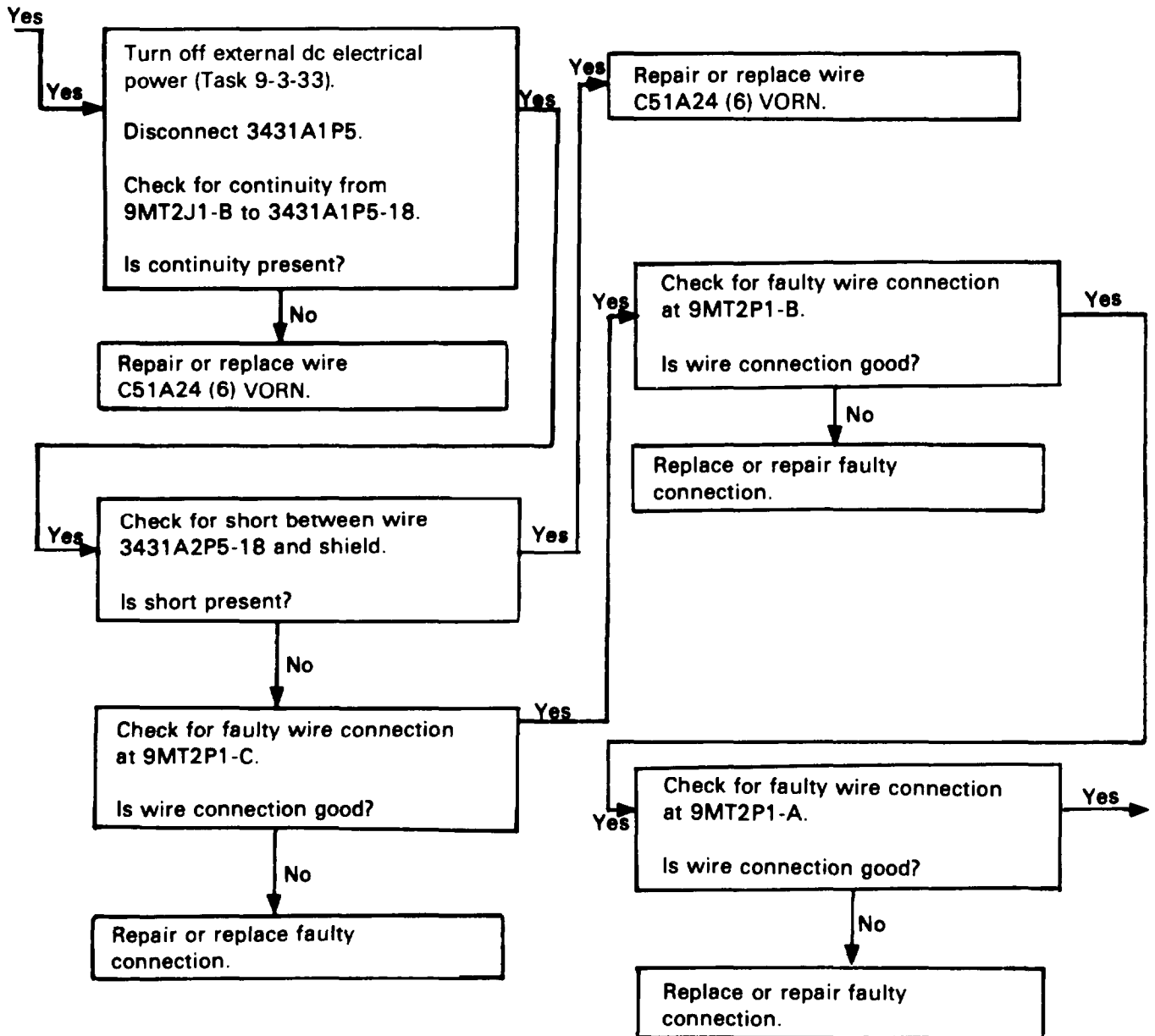


406475-475
H2085

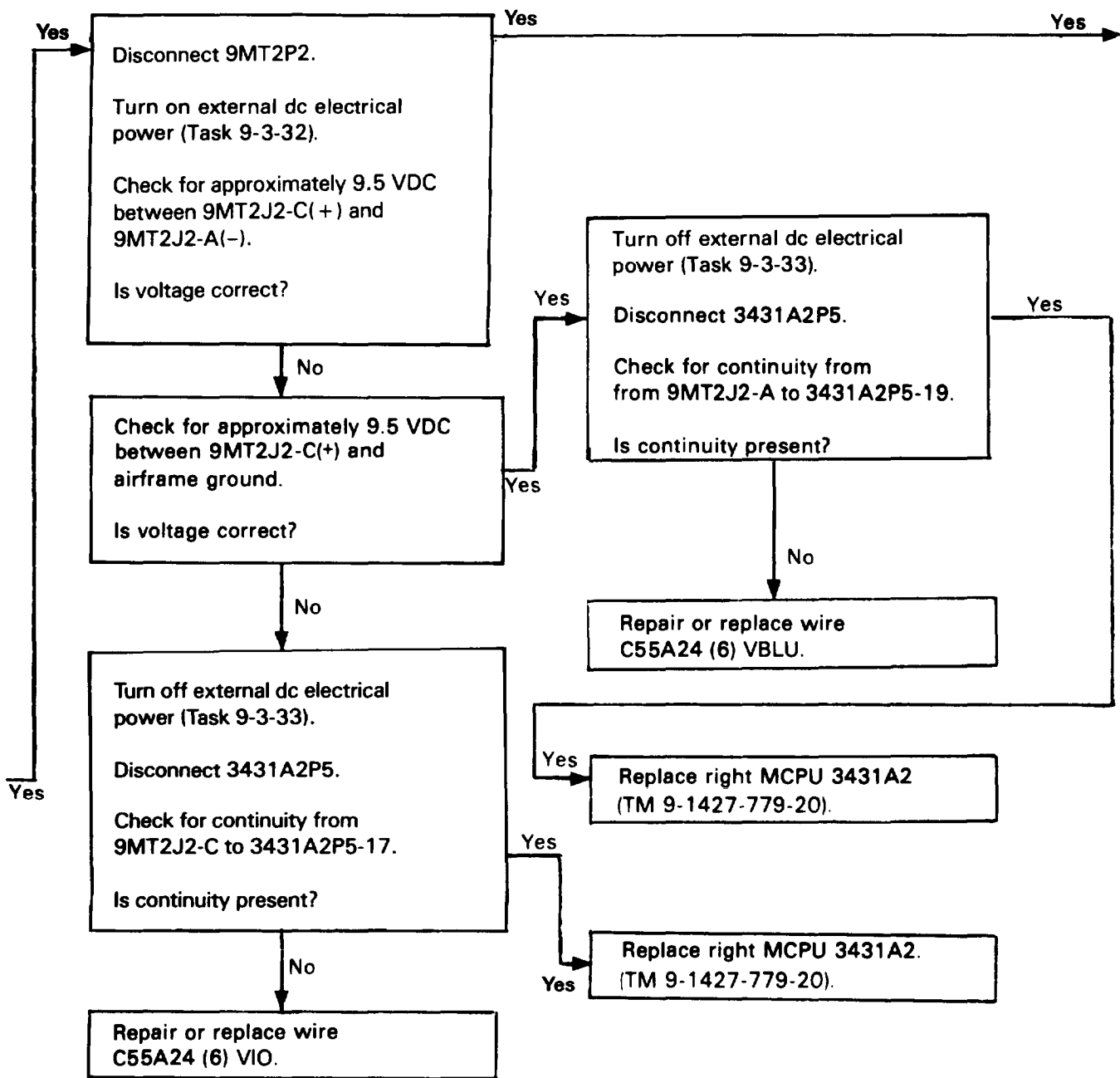
220. ERROR CODE 2000 WORD 1 LATERAL CYCLIC CONTROL MOTION TRANSDUCER FAILURE



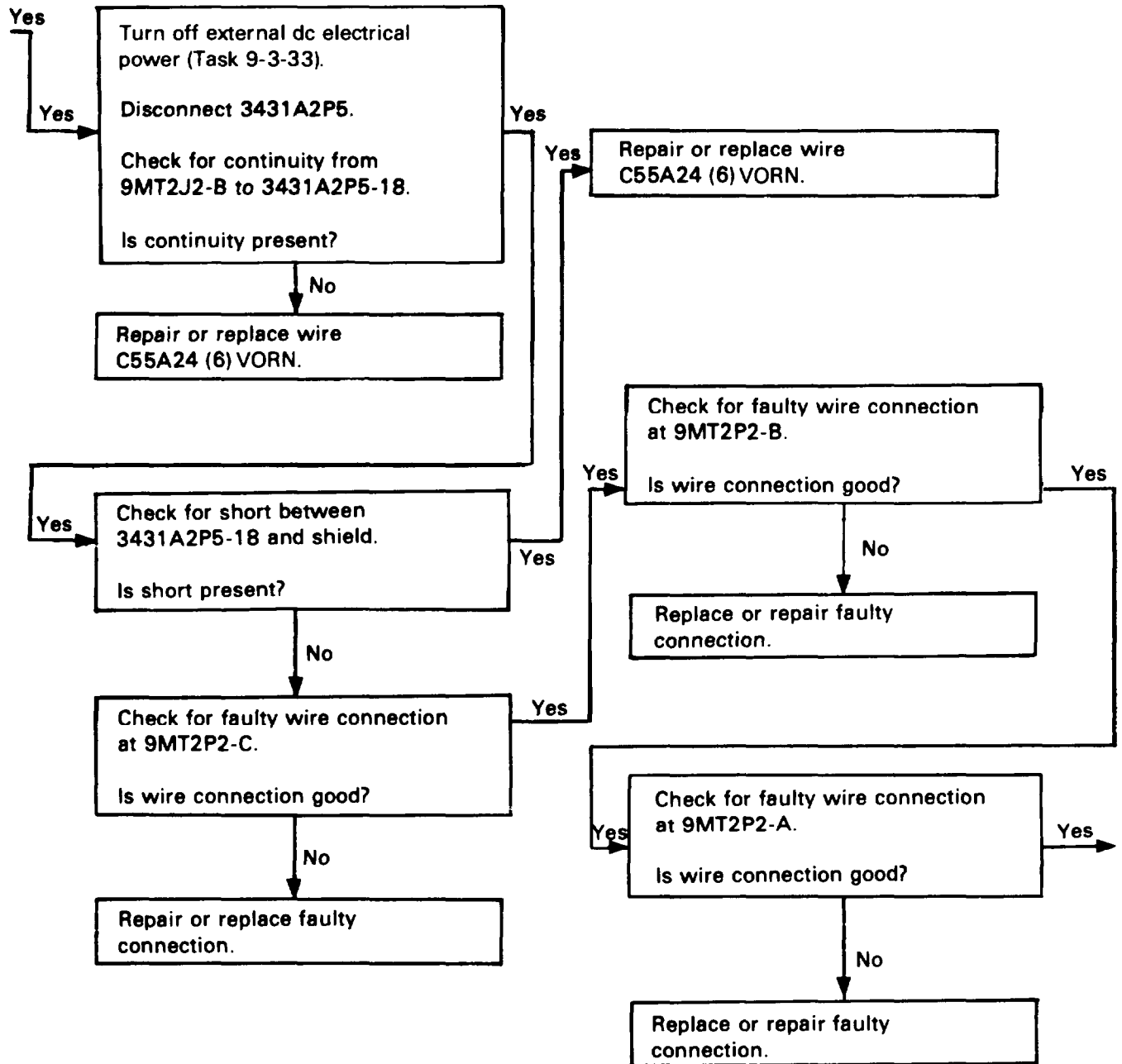
220. ERROR CODE 2000 WORD 1 LATERAL CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)



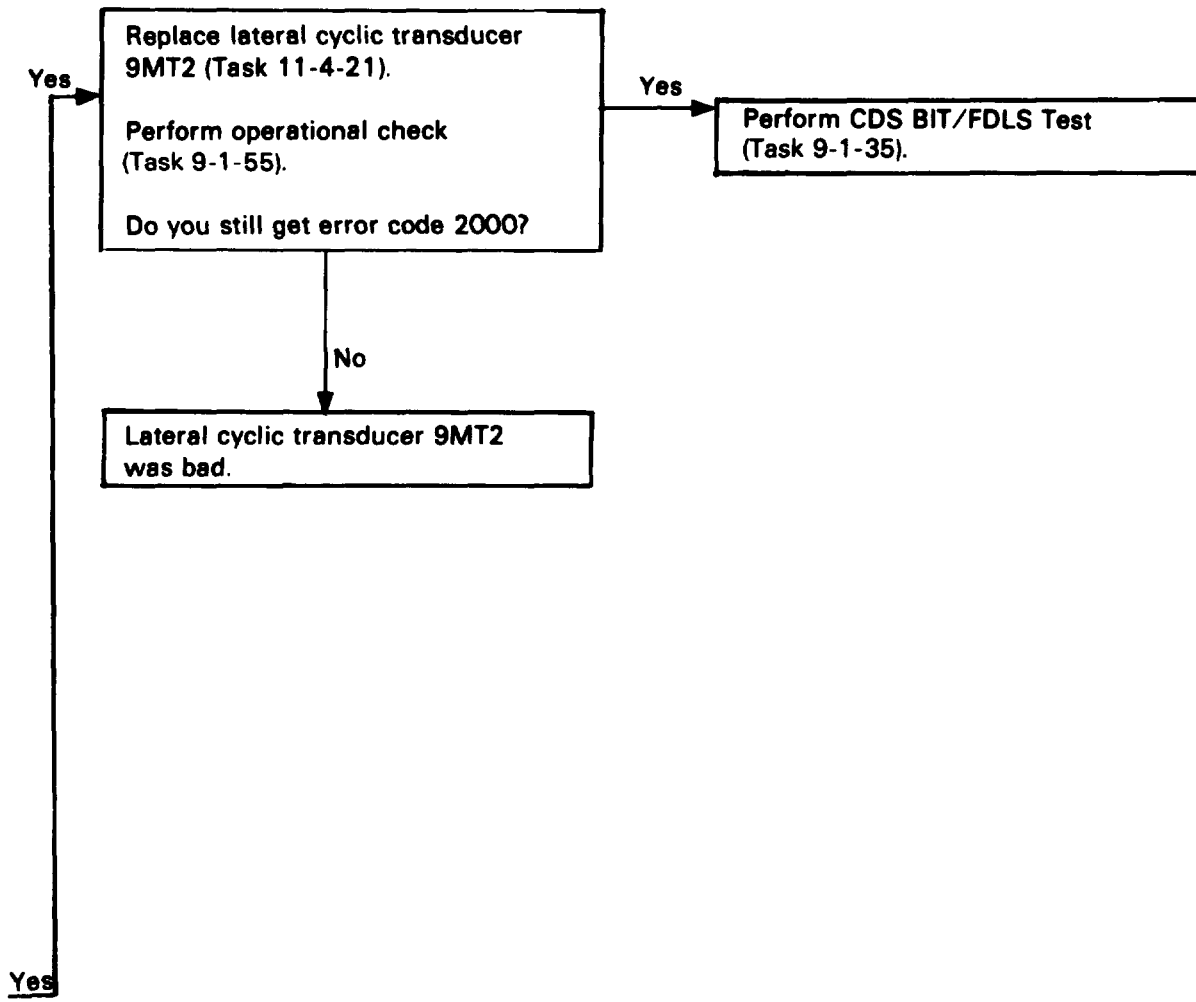
220. ERROR CODE 2000 WORD 1 LATERAL CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)



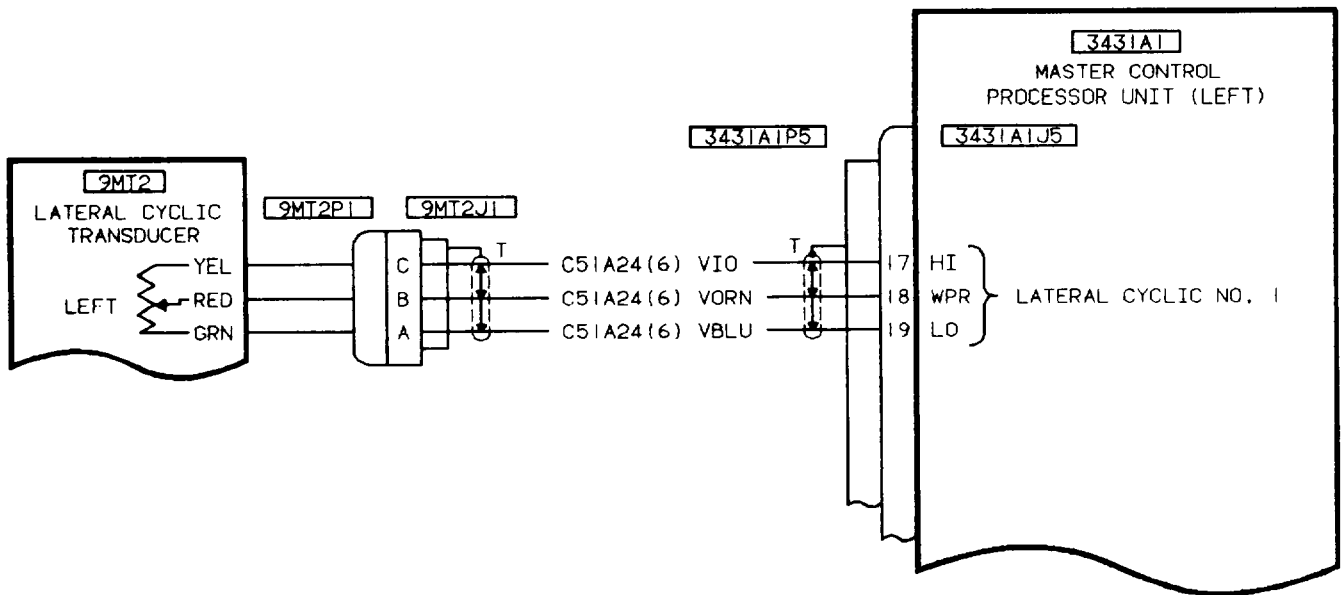
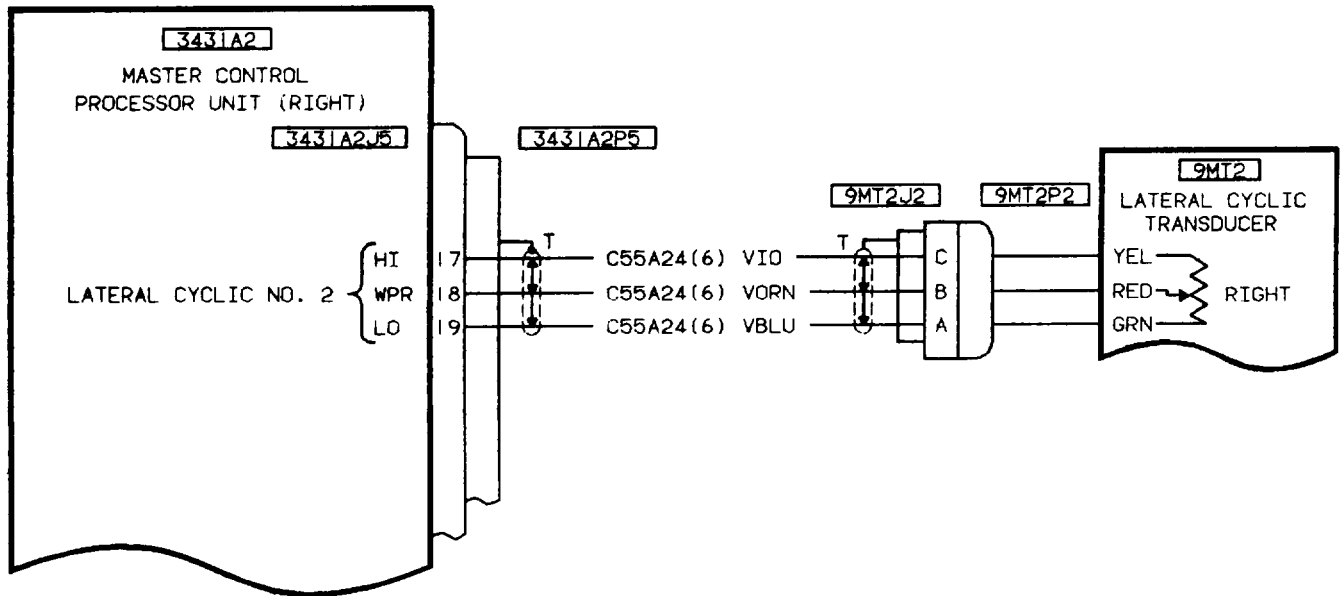
220. ERROR CODE 2000 WORD 1 LATERAL CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)



220. ERROR CODE 2000 WORD 1 LATERAL CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)

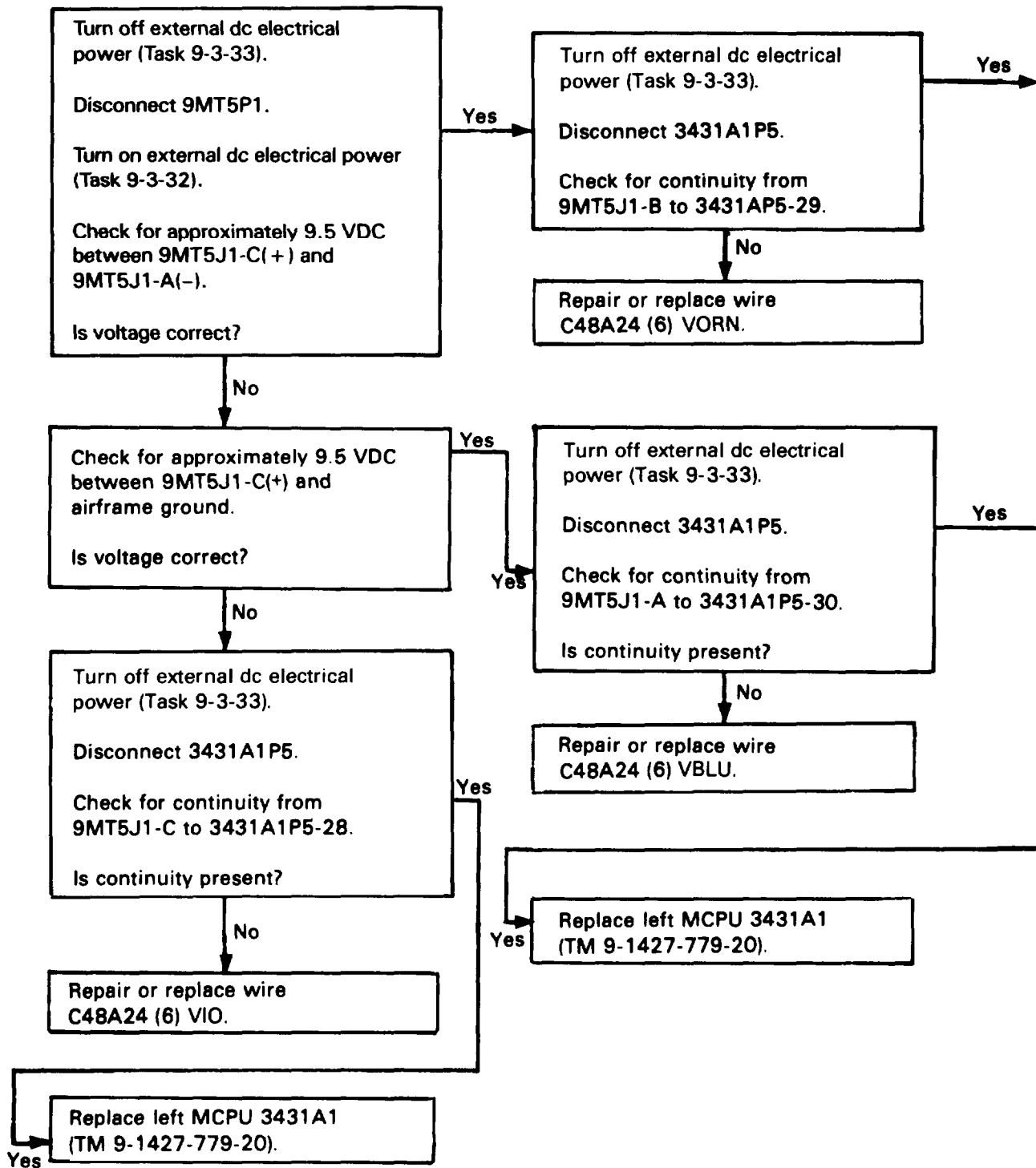


220. ERROR CODE 2000 WORD 1 LATERAL CYCLIC CONTROL MOTION TRANSDUCER FAILURE (CONT)

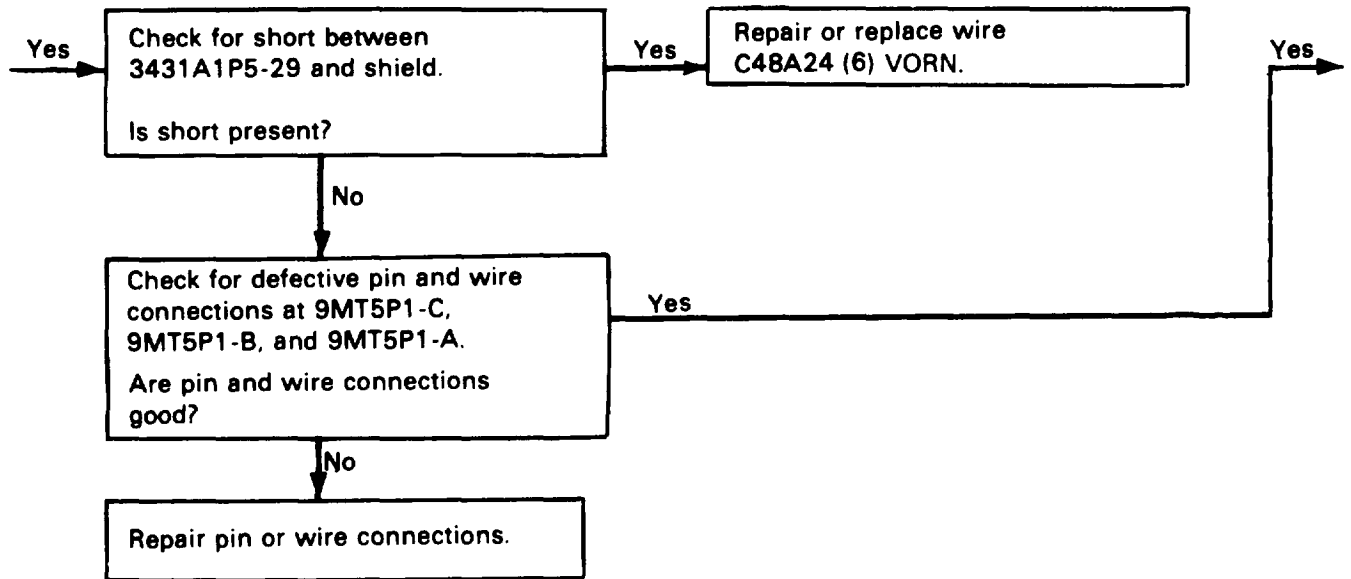


406475-476
G7132

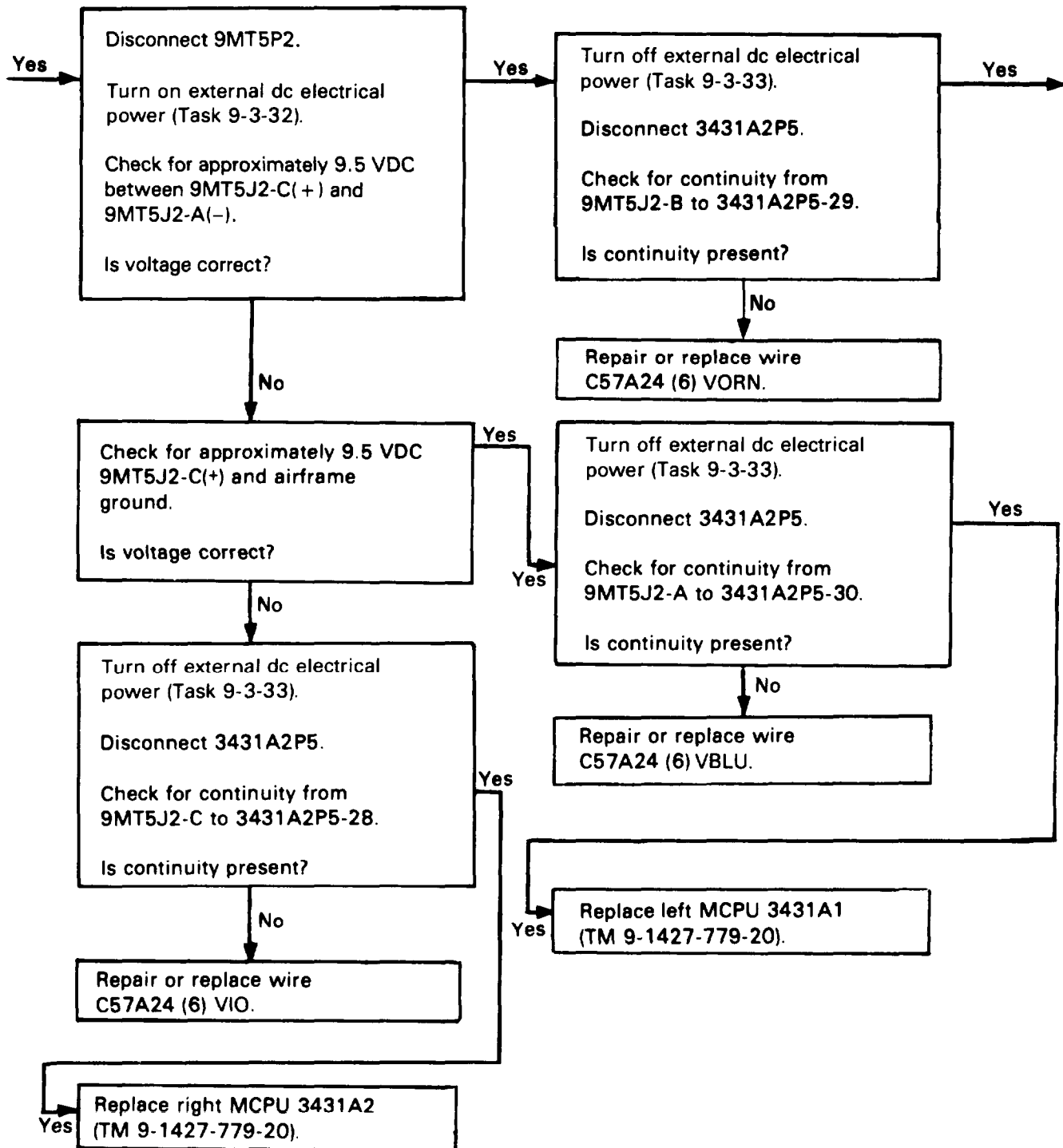
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE



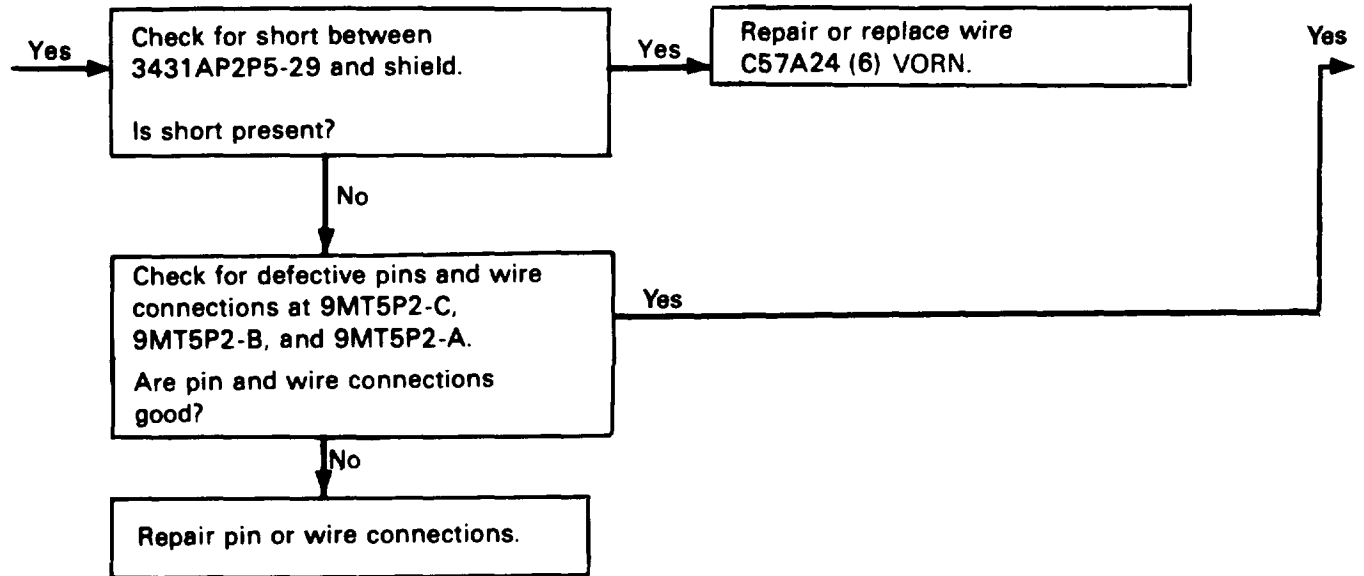
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE (CONT)



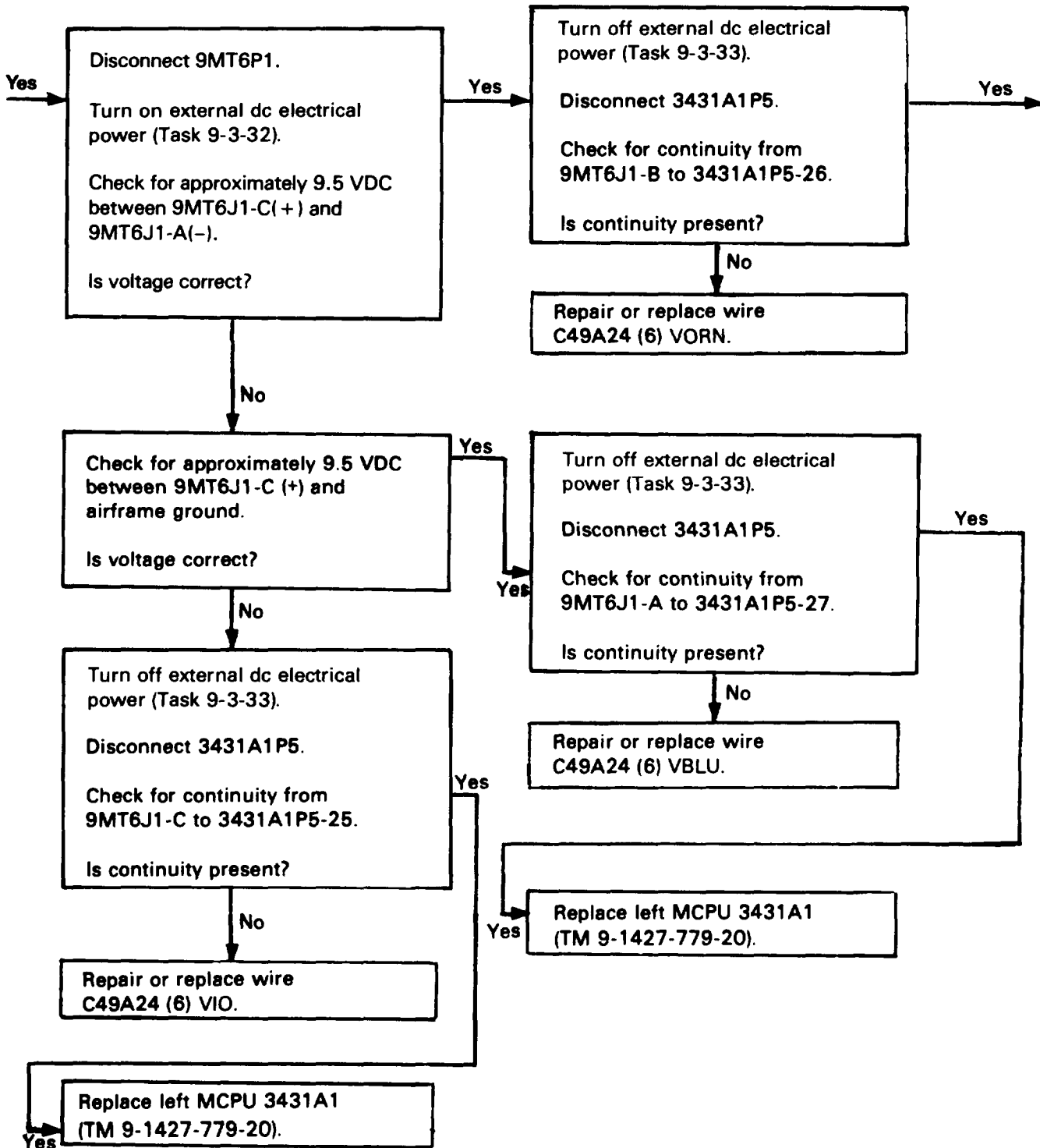
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE (CONT)



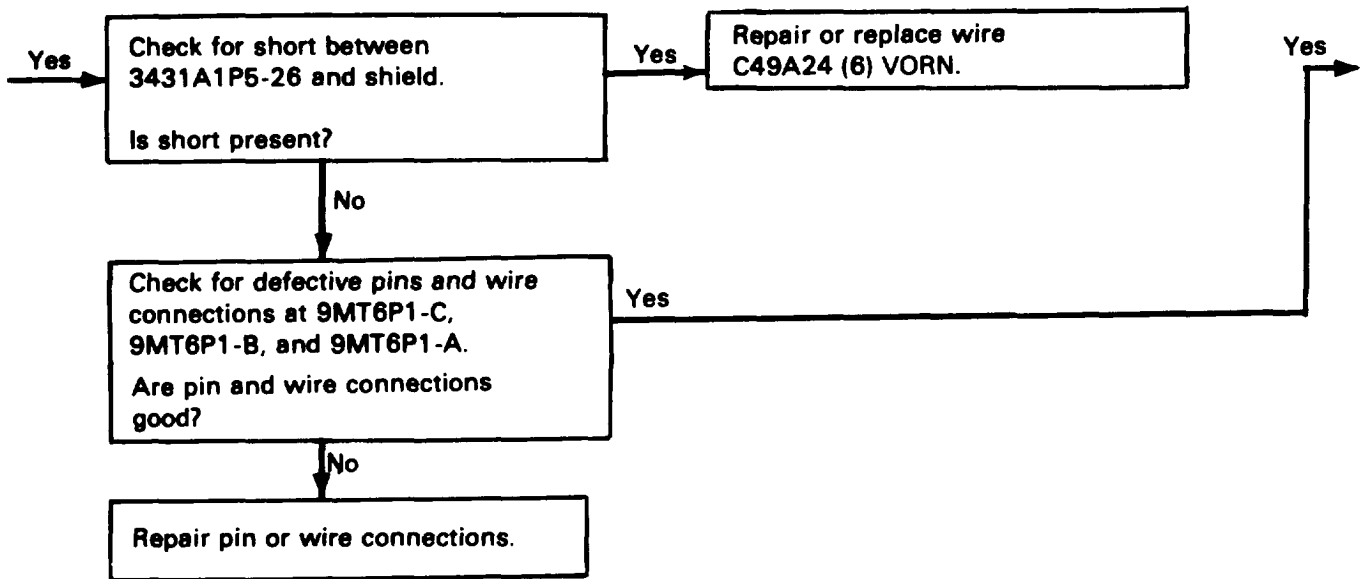
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE (CONT)



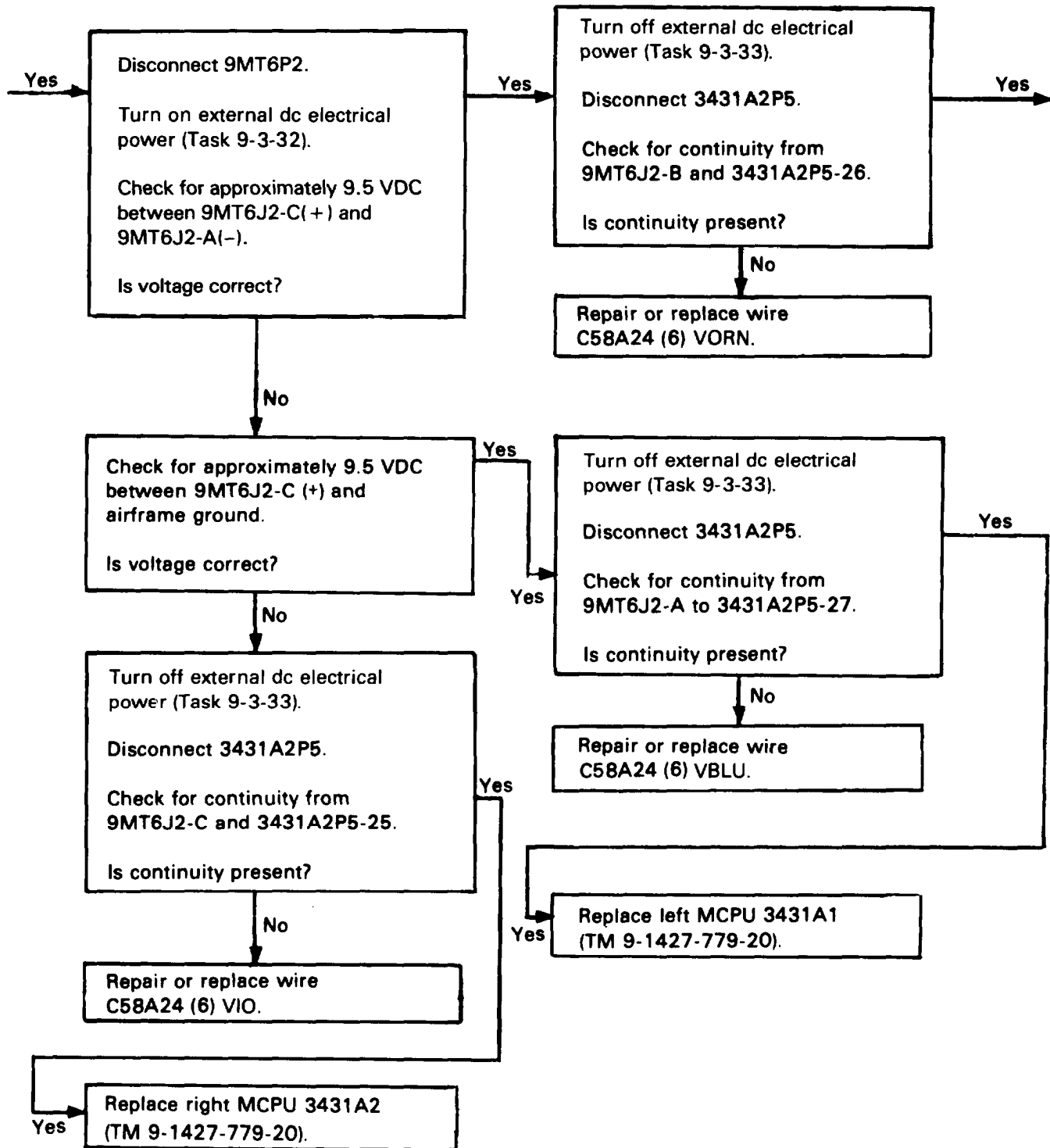
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE (CONT)



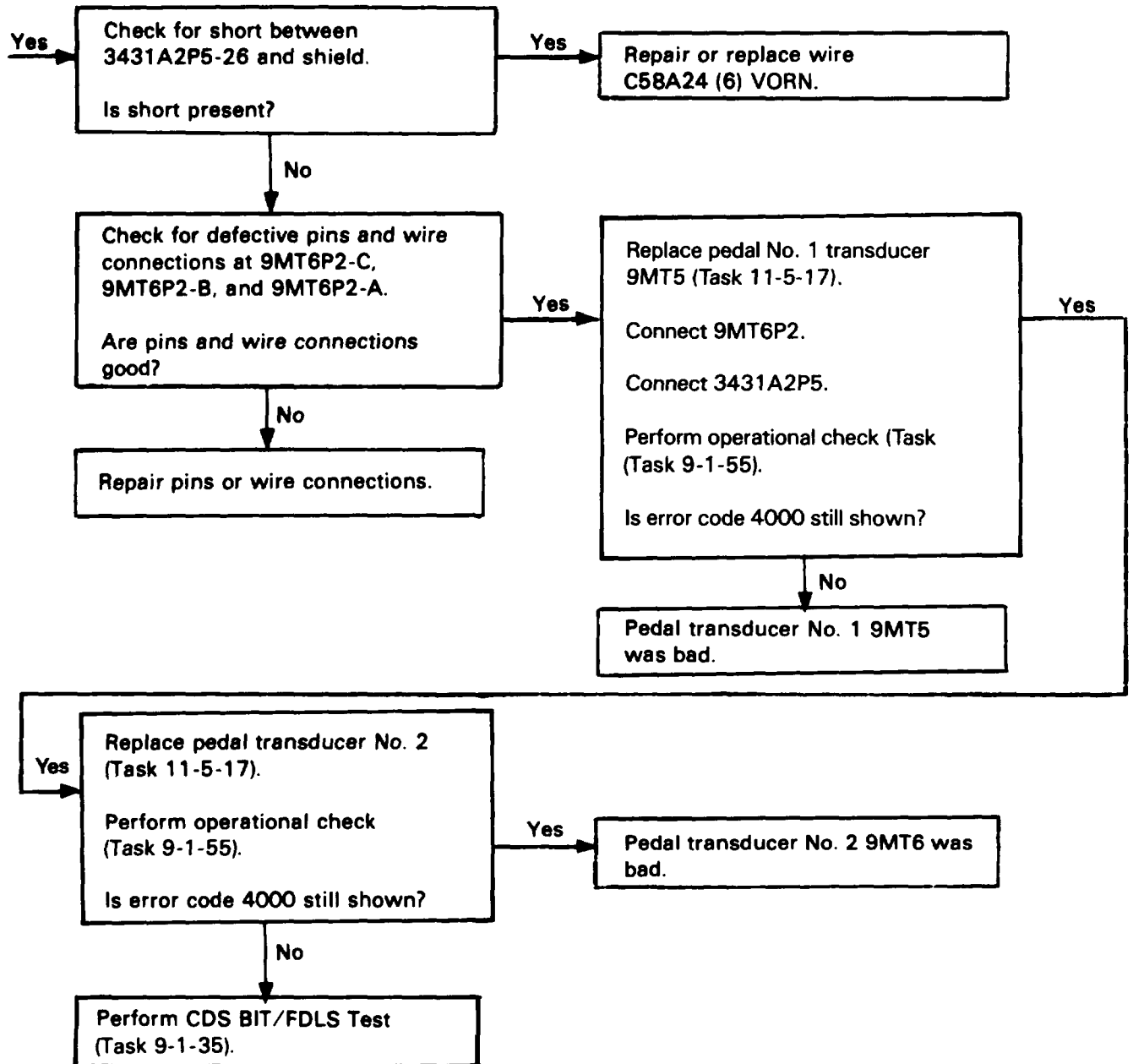
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE (CONT)



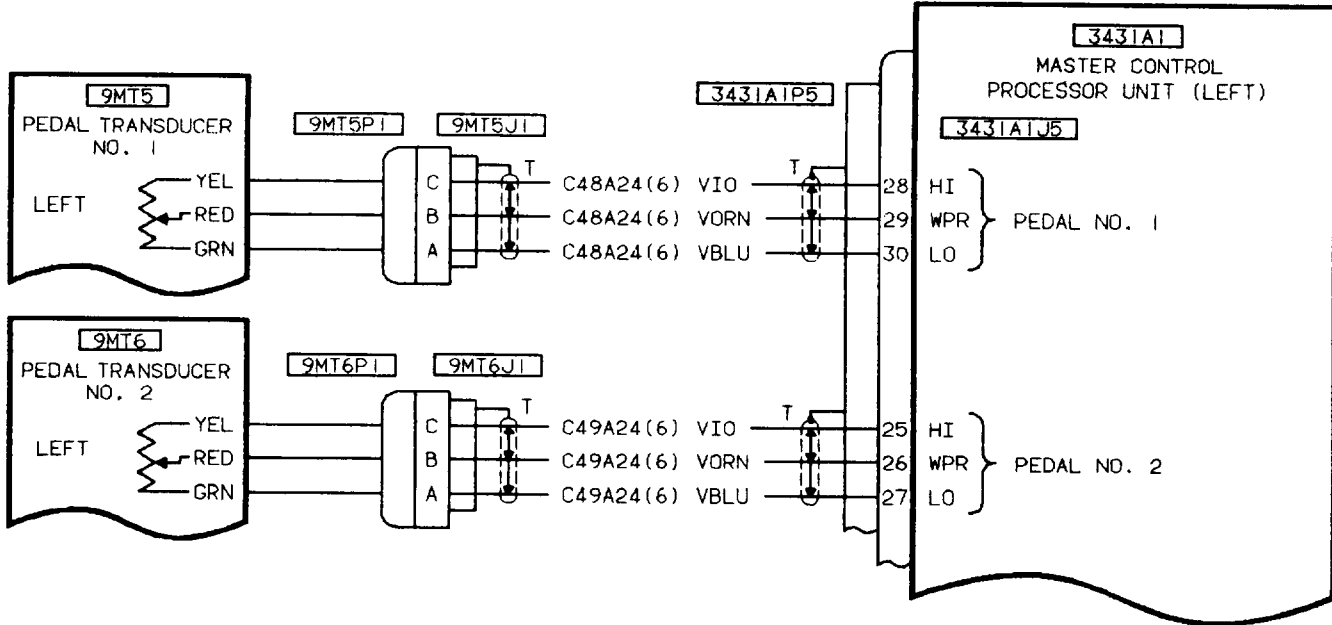
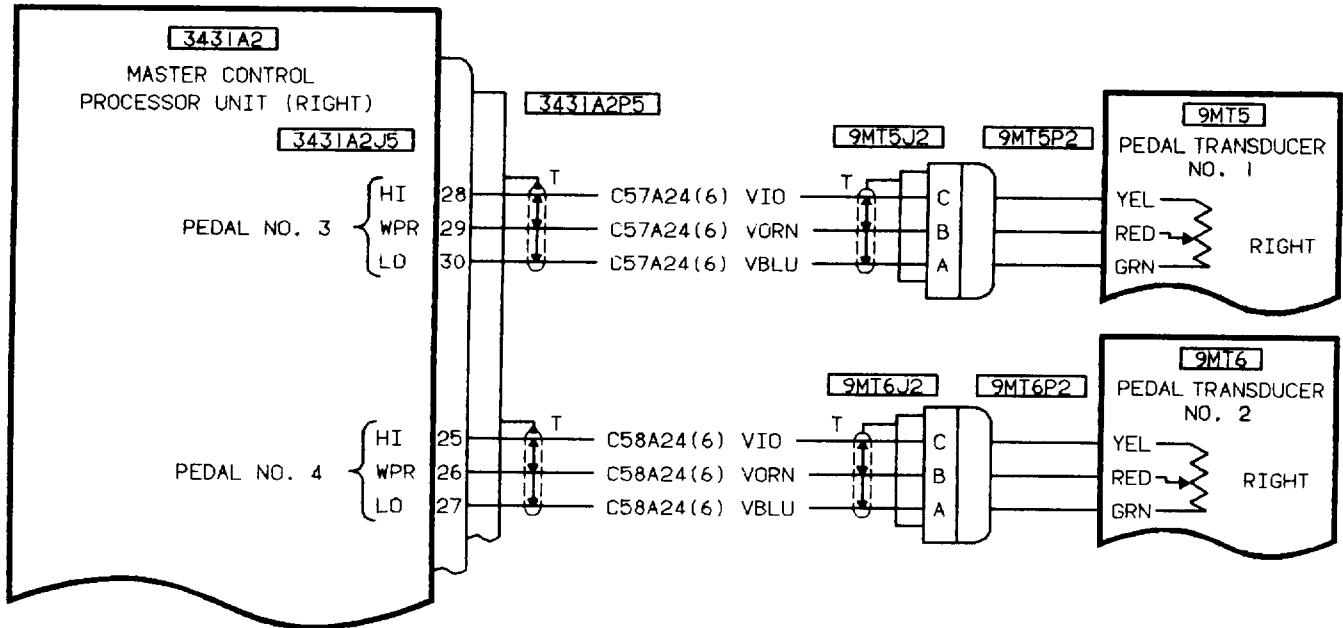
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE (CONT)



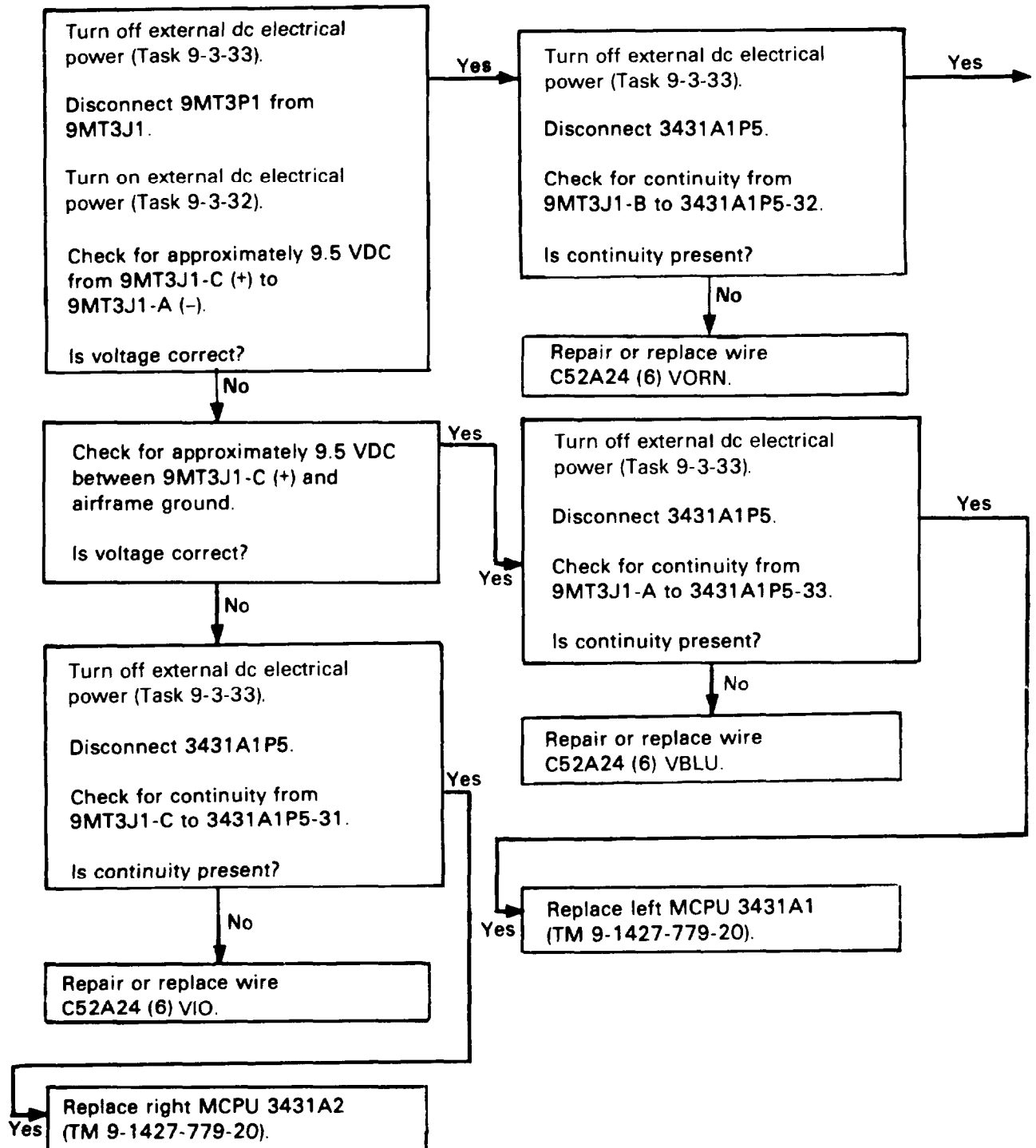
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE (CONT)



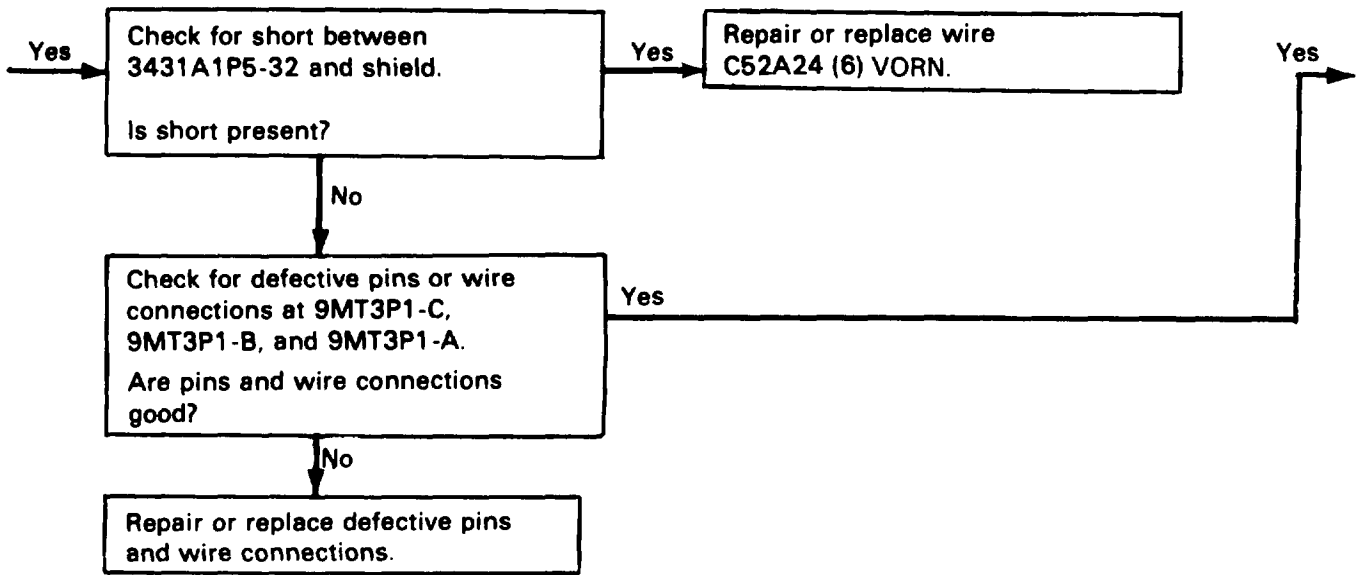
221. ERROR CODE 4000 WORD 1 PEDAL CONTROL MOTION TRANSDUCER FAILURE (CONT)



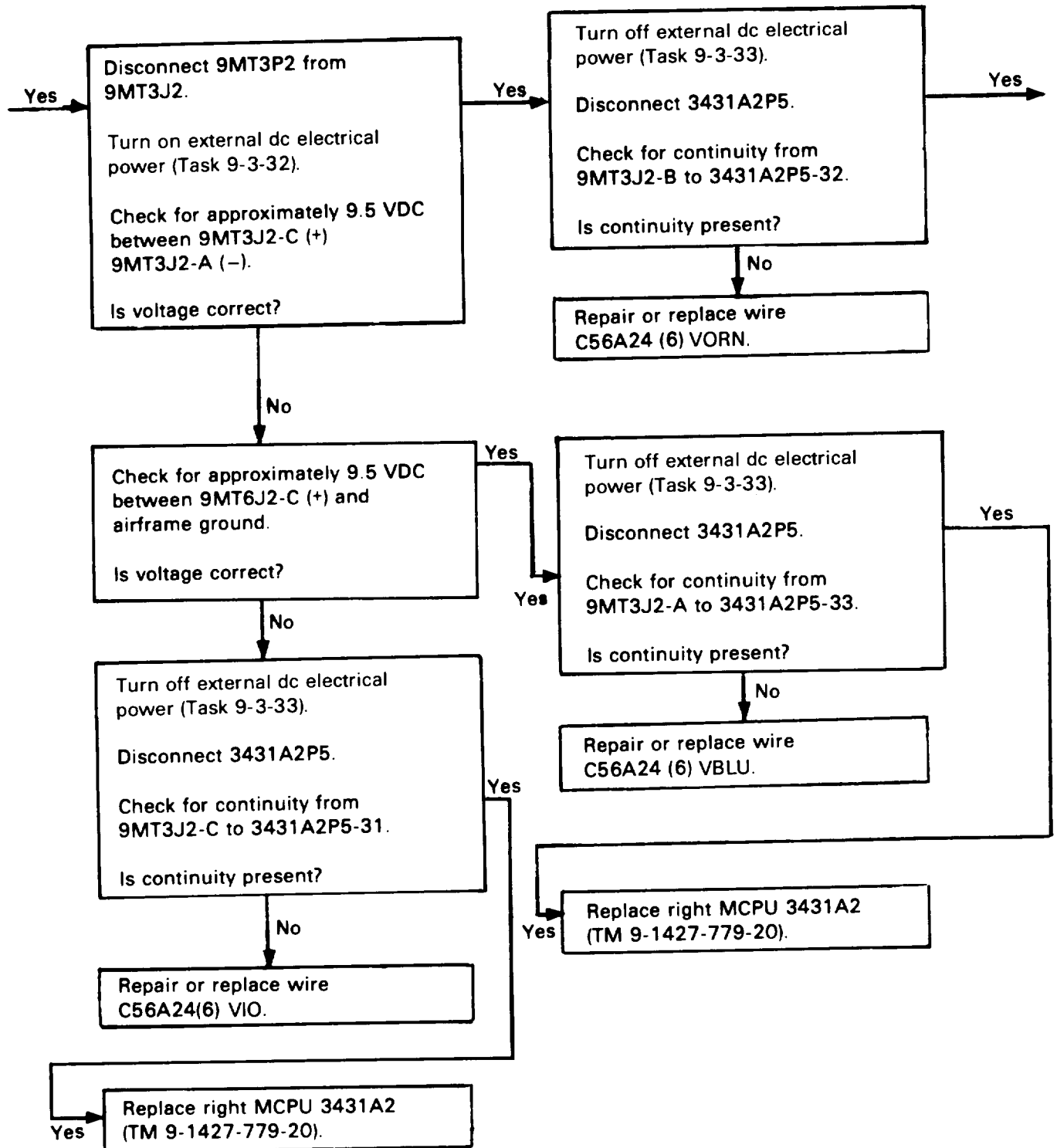
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE



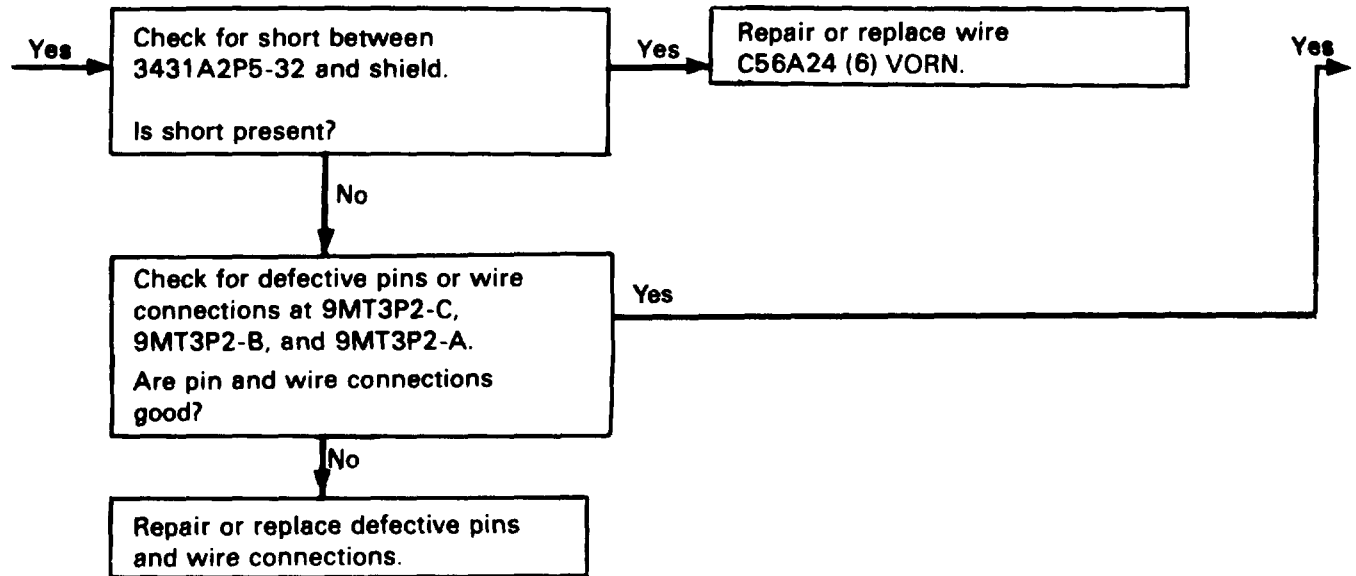
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE (CONT)



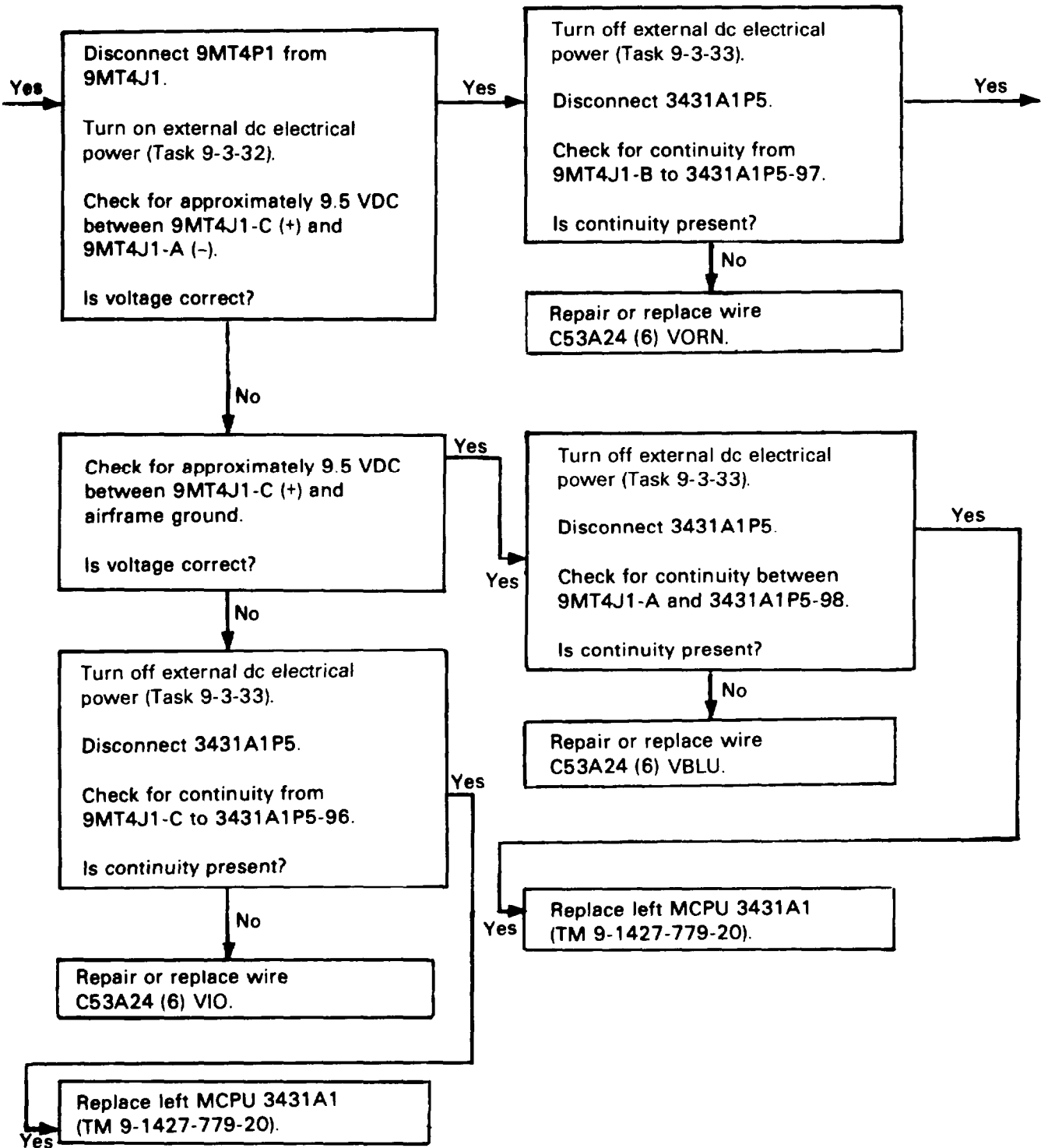
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE (CONT)



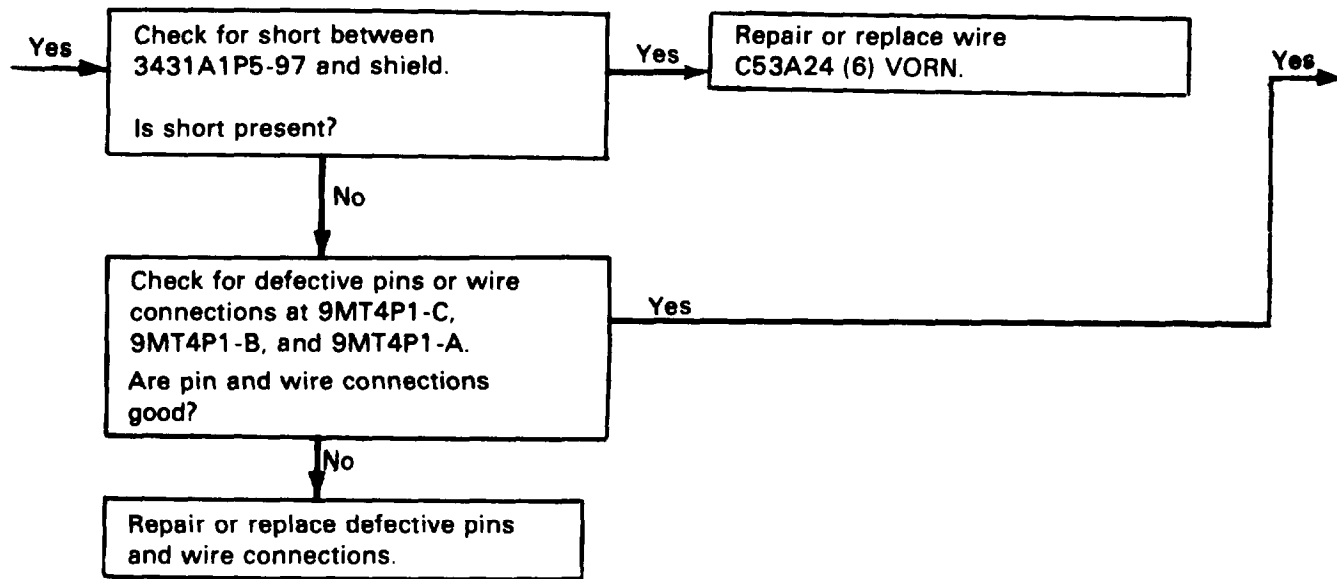
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE (CONT)



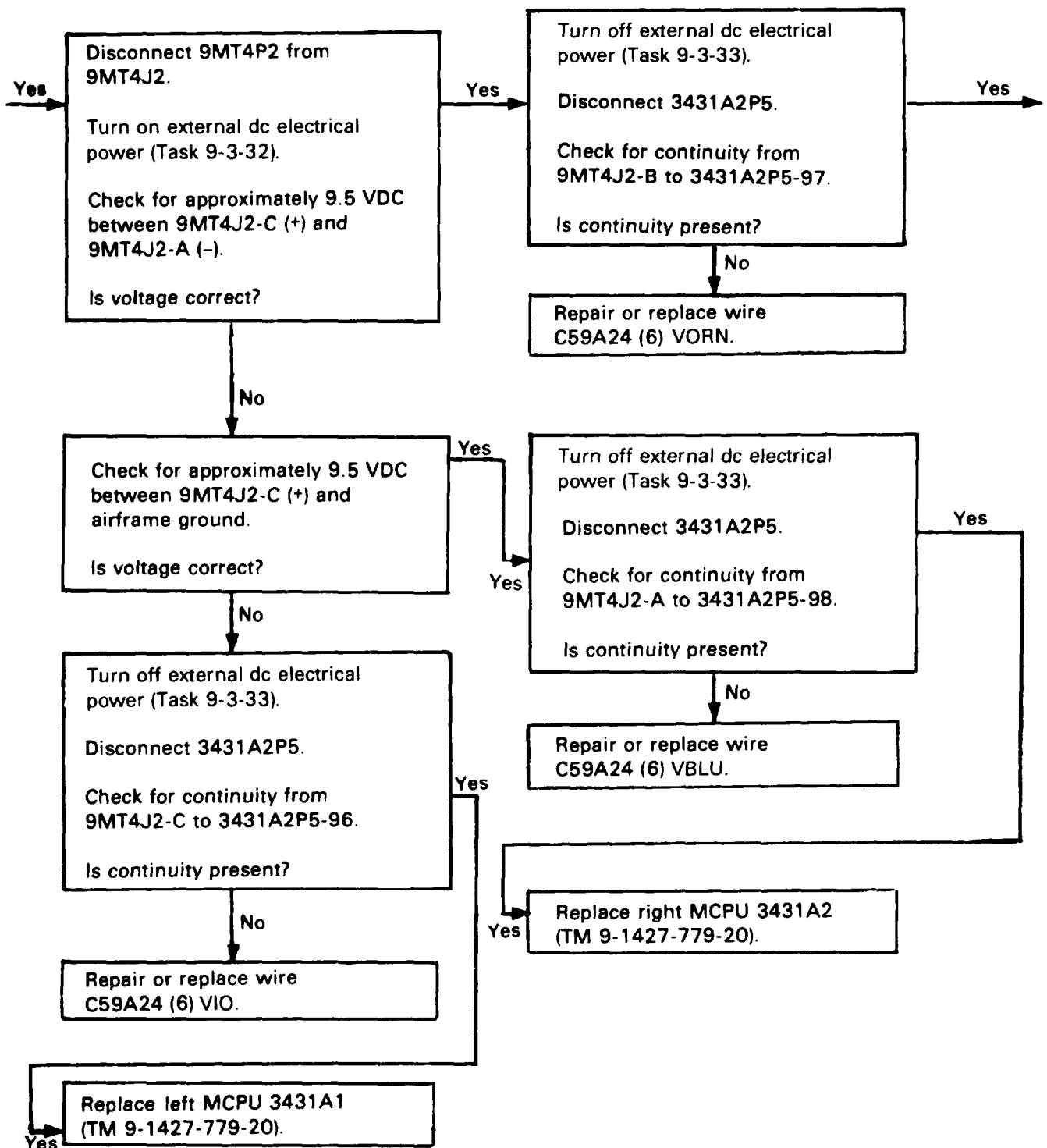
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE (CONT)



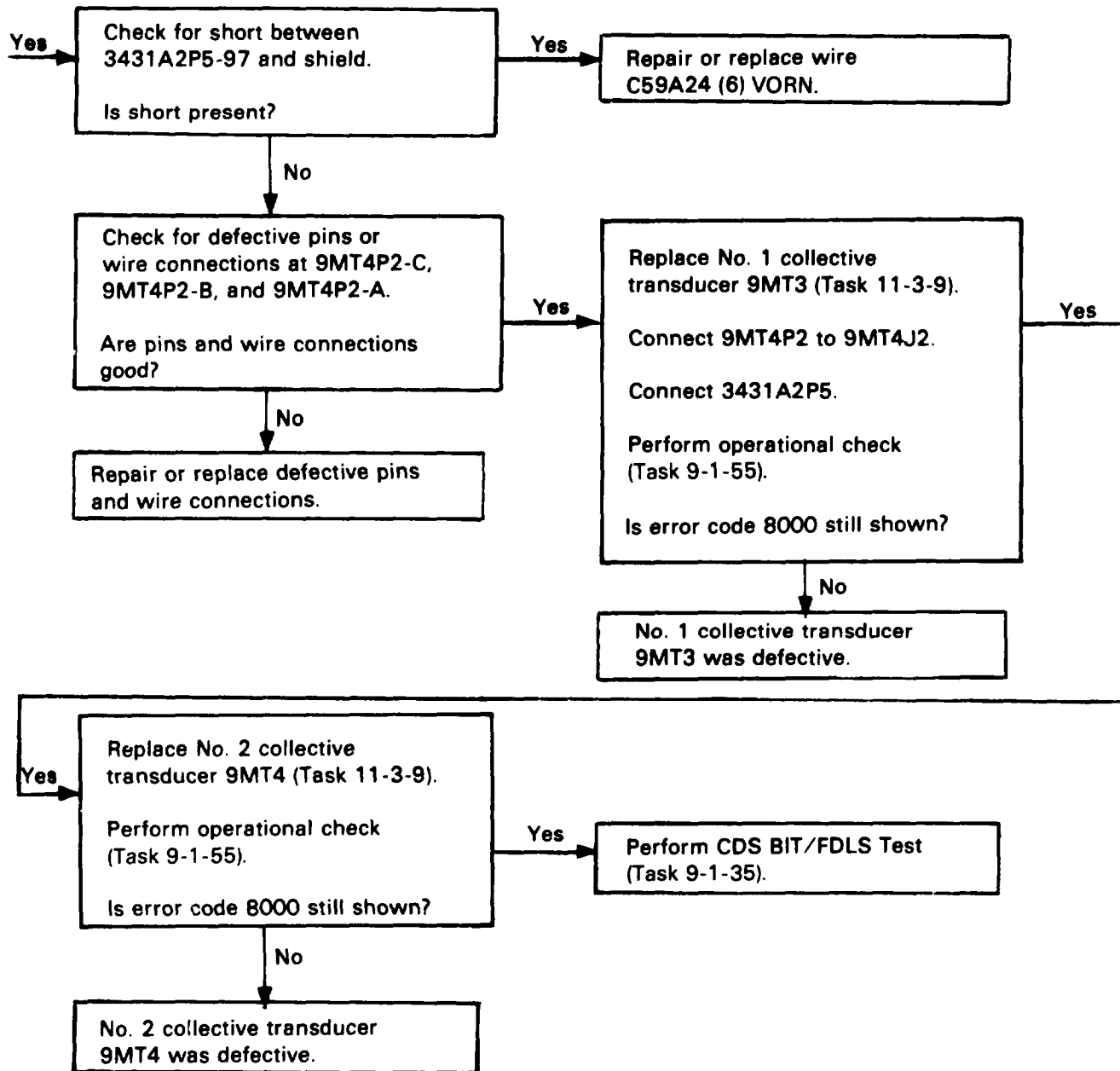
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE (CONT)



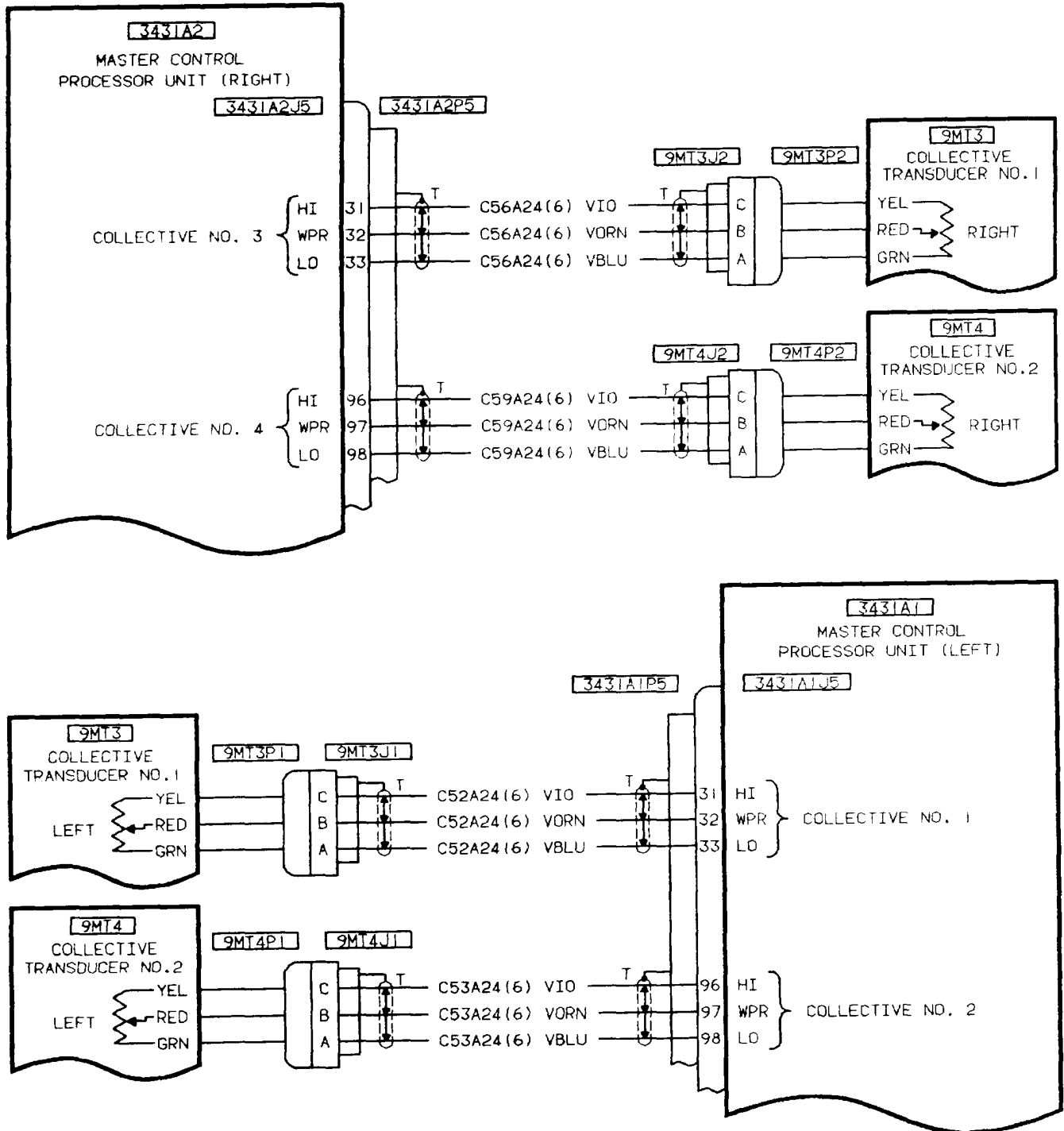
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE (CONT)



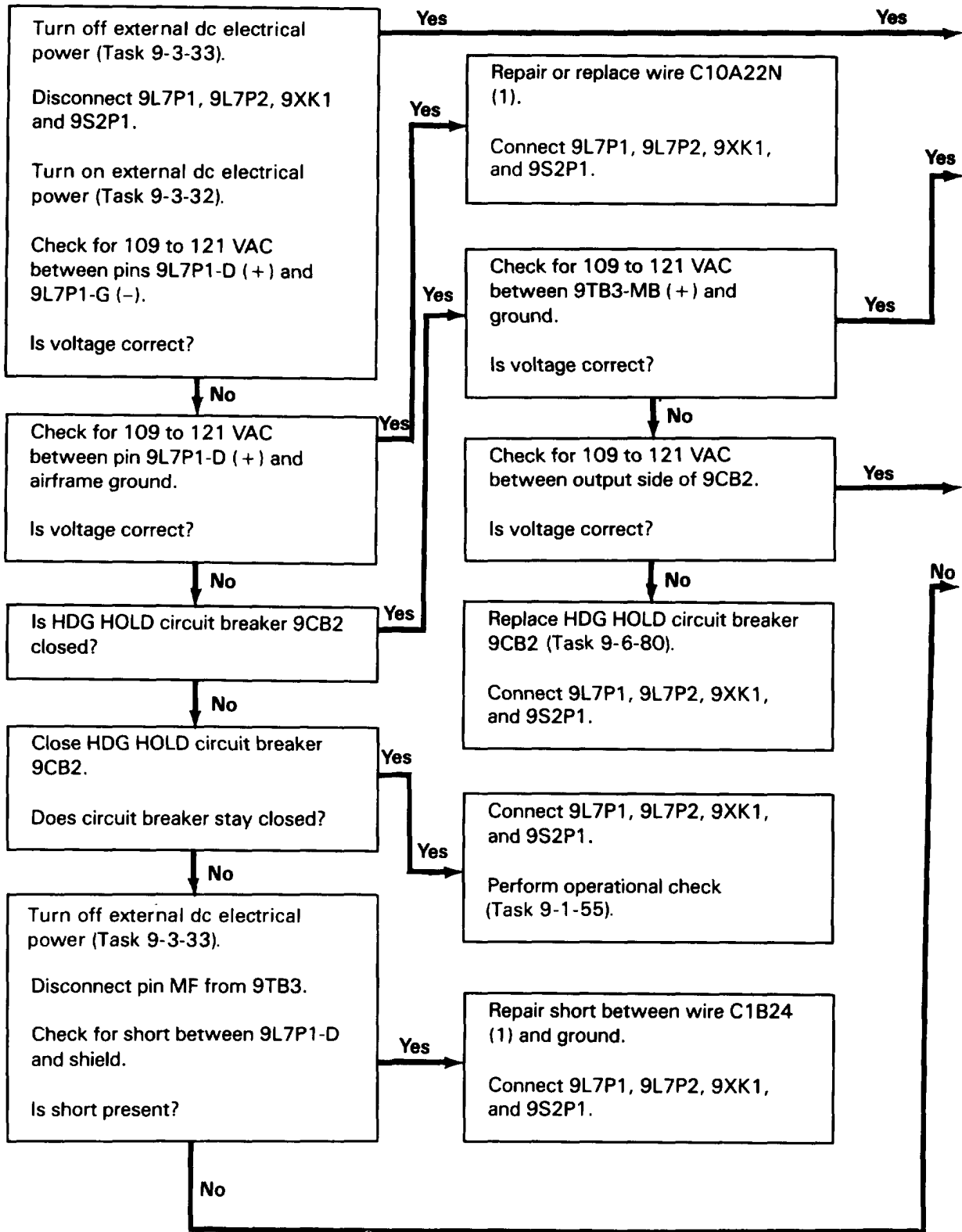
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE (CONT)



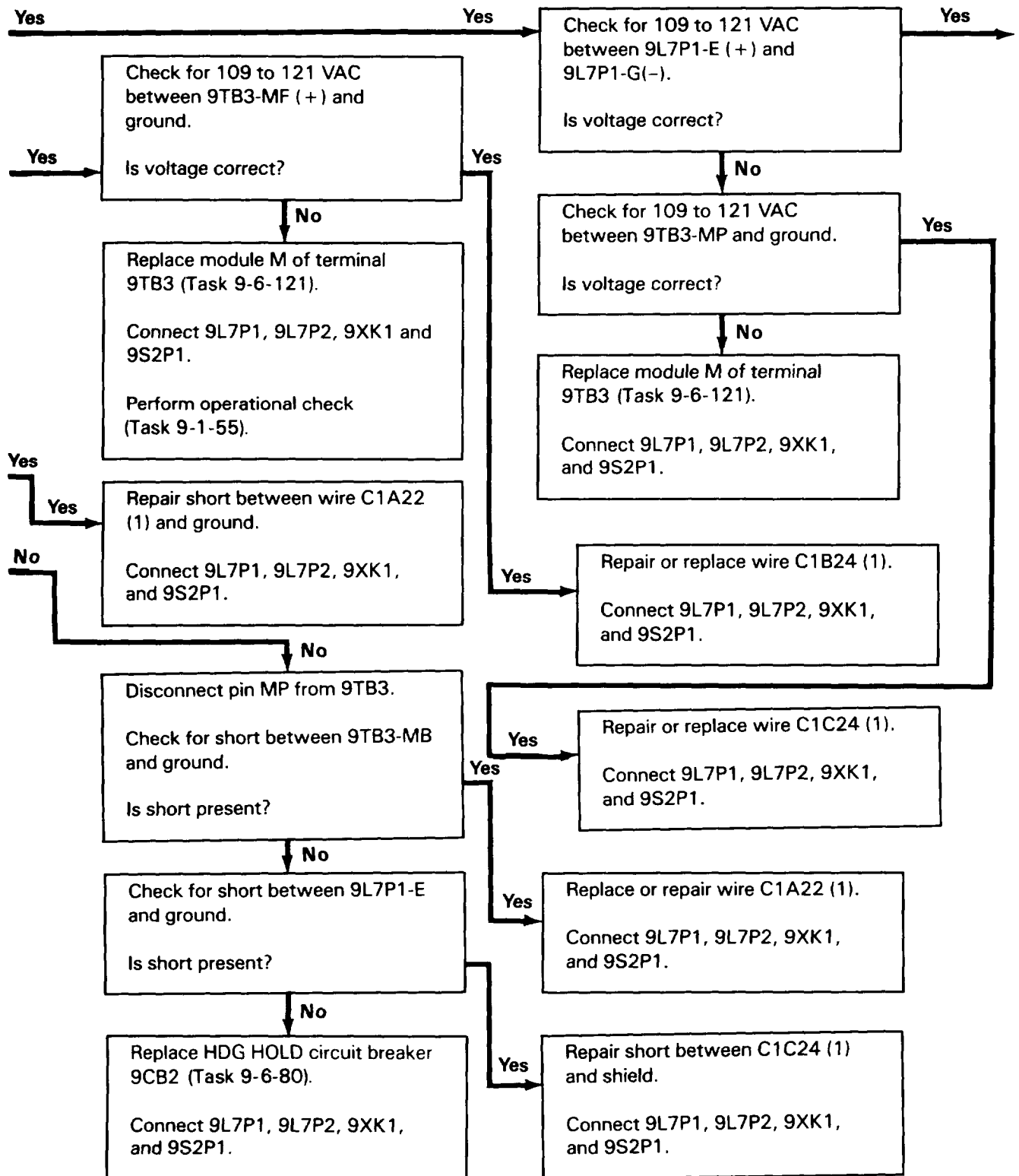
222. ERROR CODE 8000 WORD 1 COLLECTIVE CONTROL MOTION TRANSDUCER FAILURE (CONT)



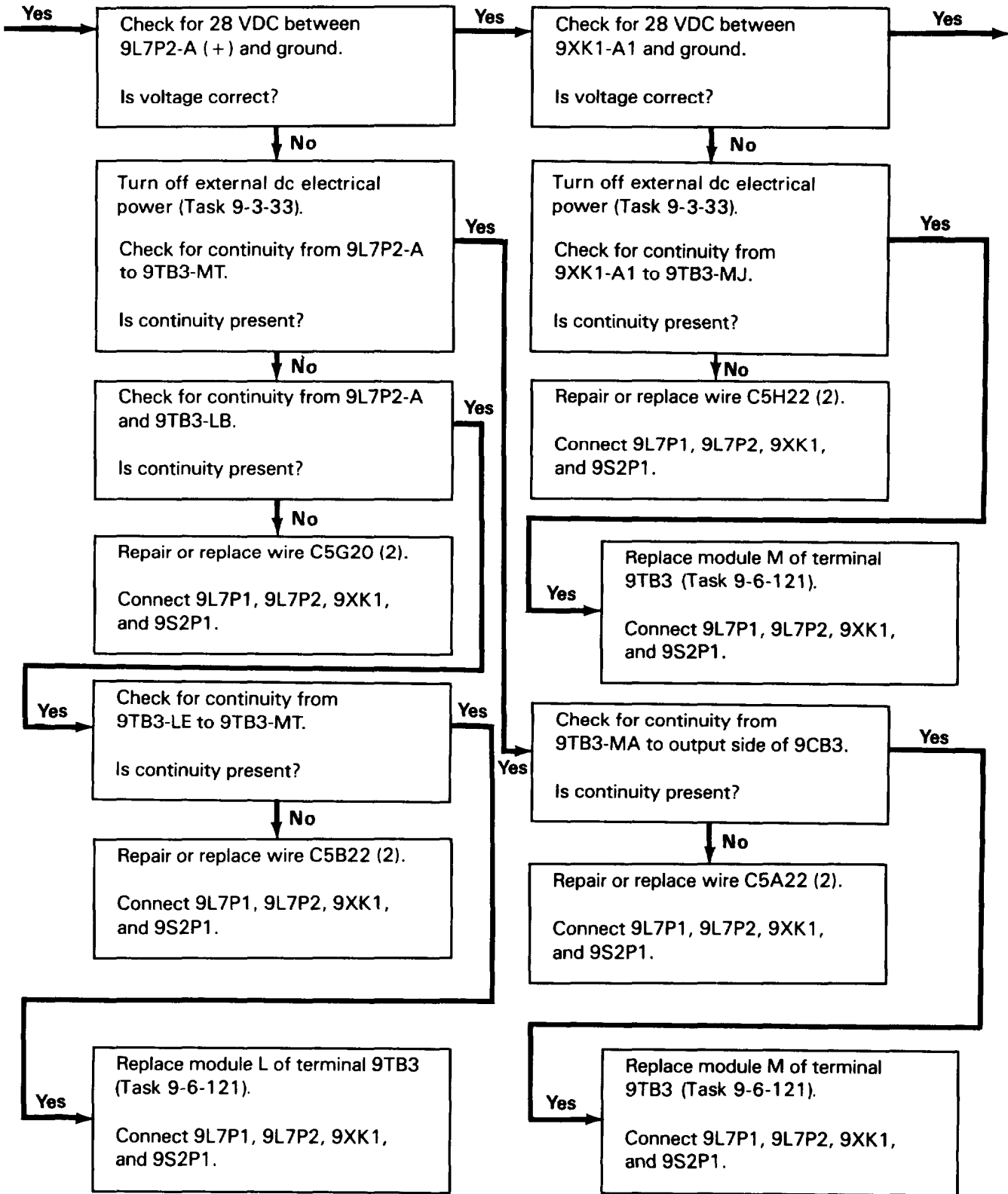
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE



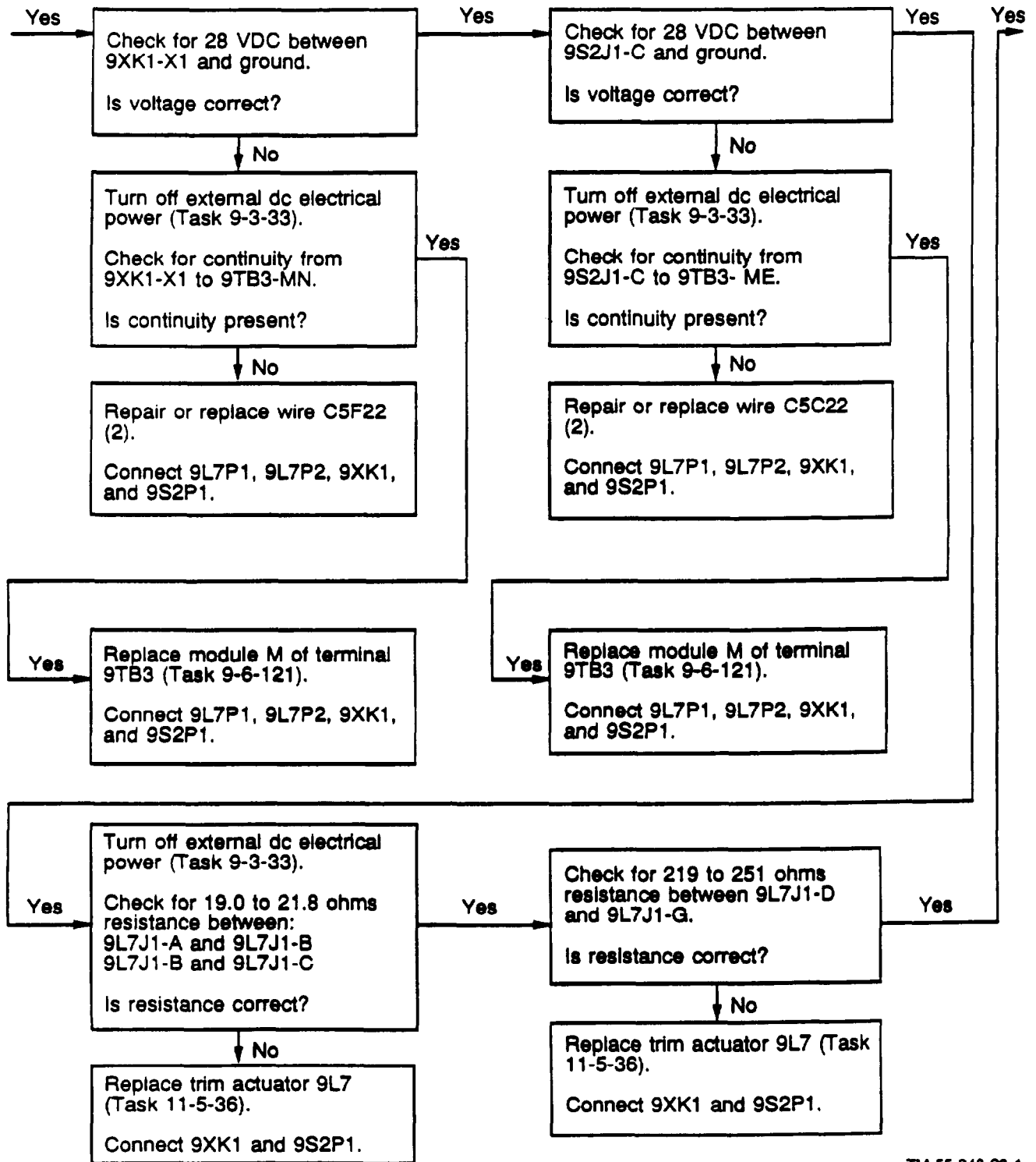
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)

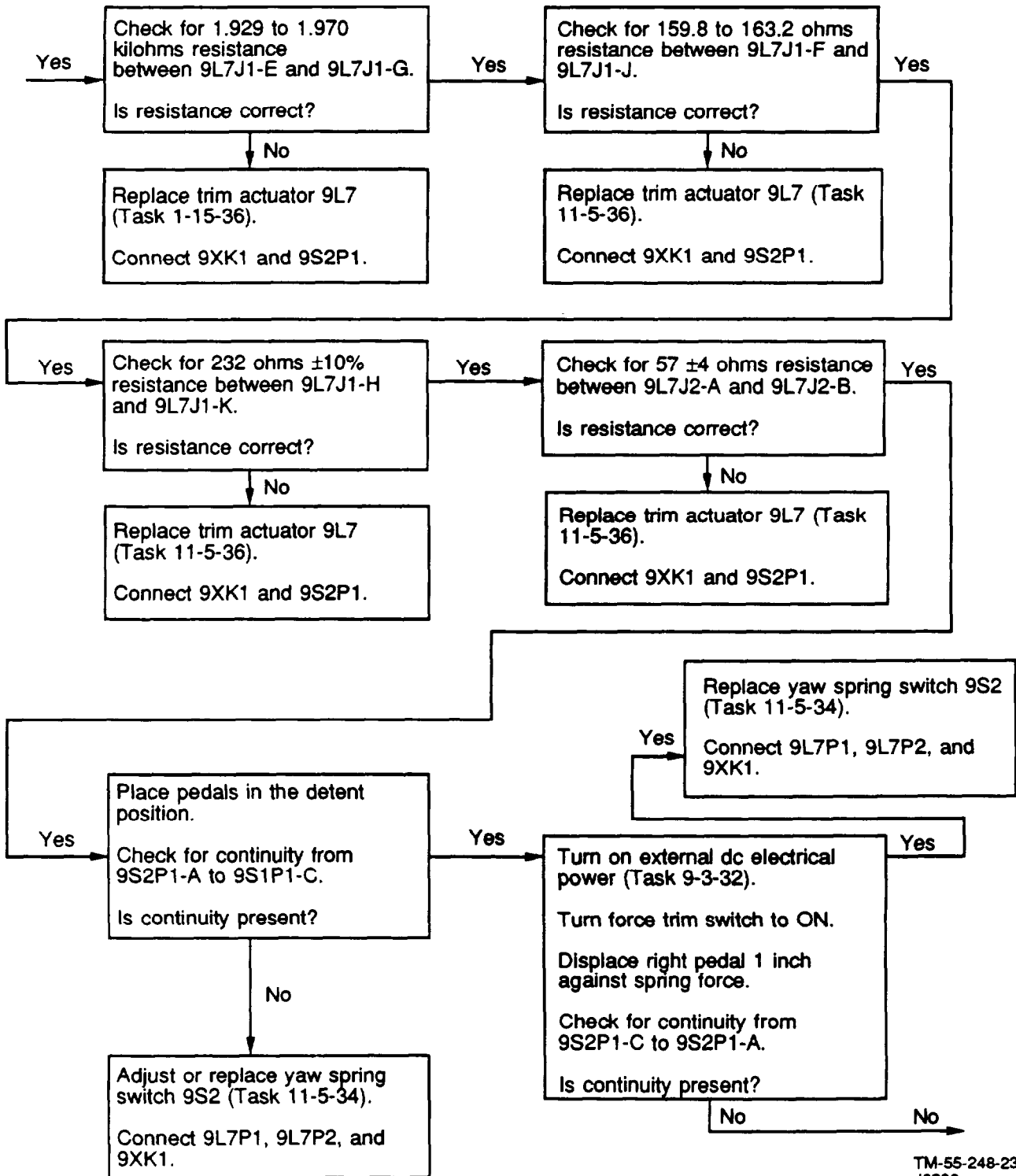


223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



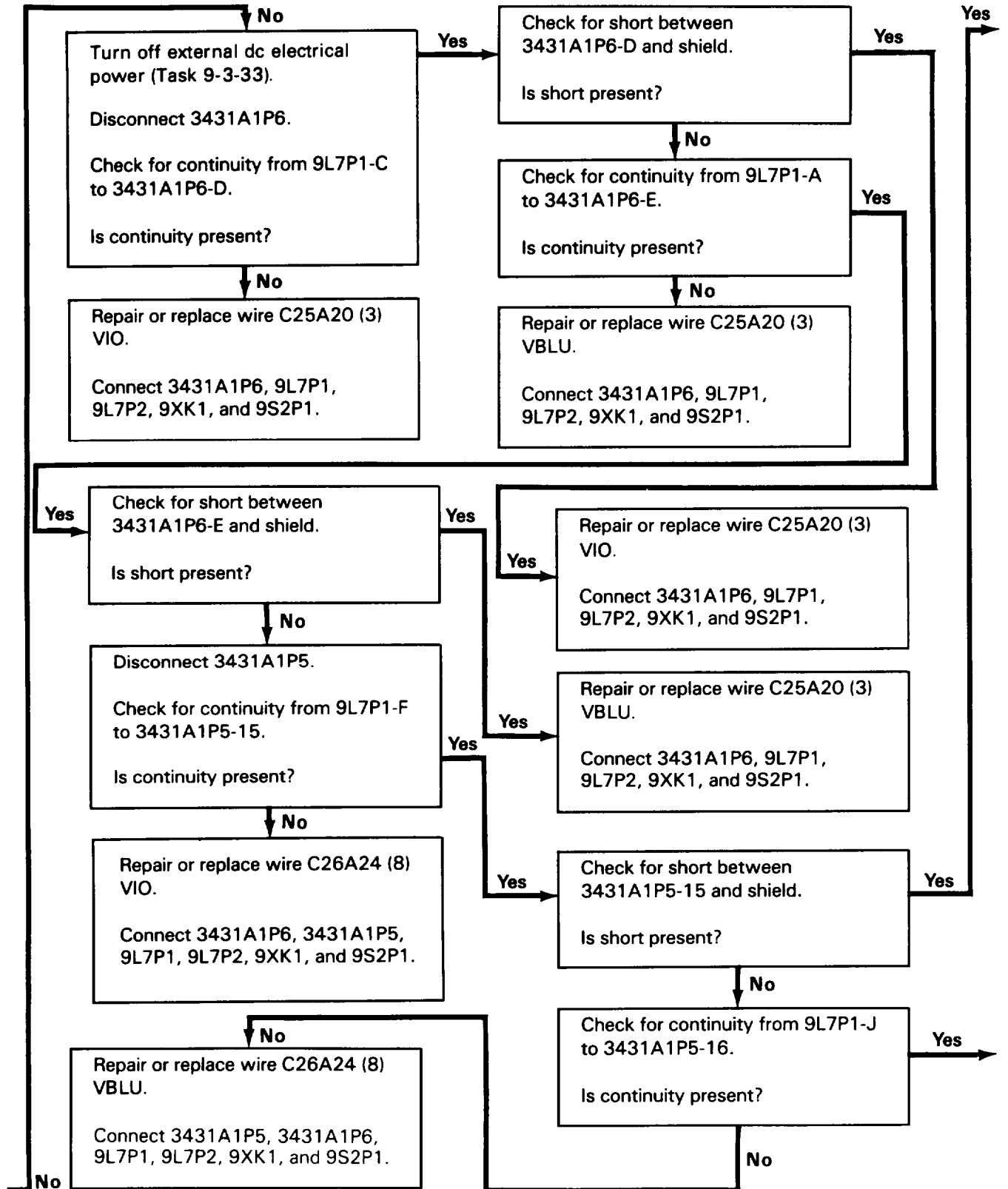
TM-55-248-23-1
J0238

223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)

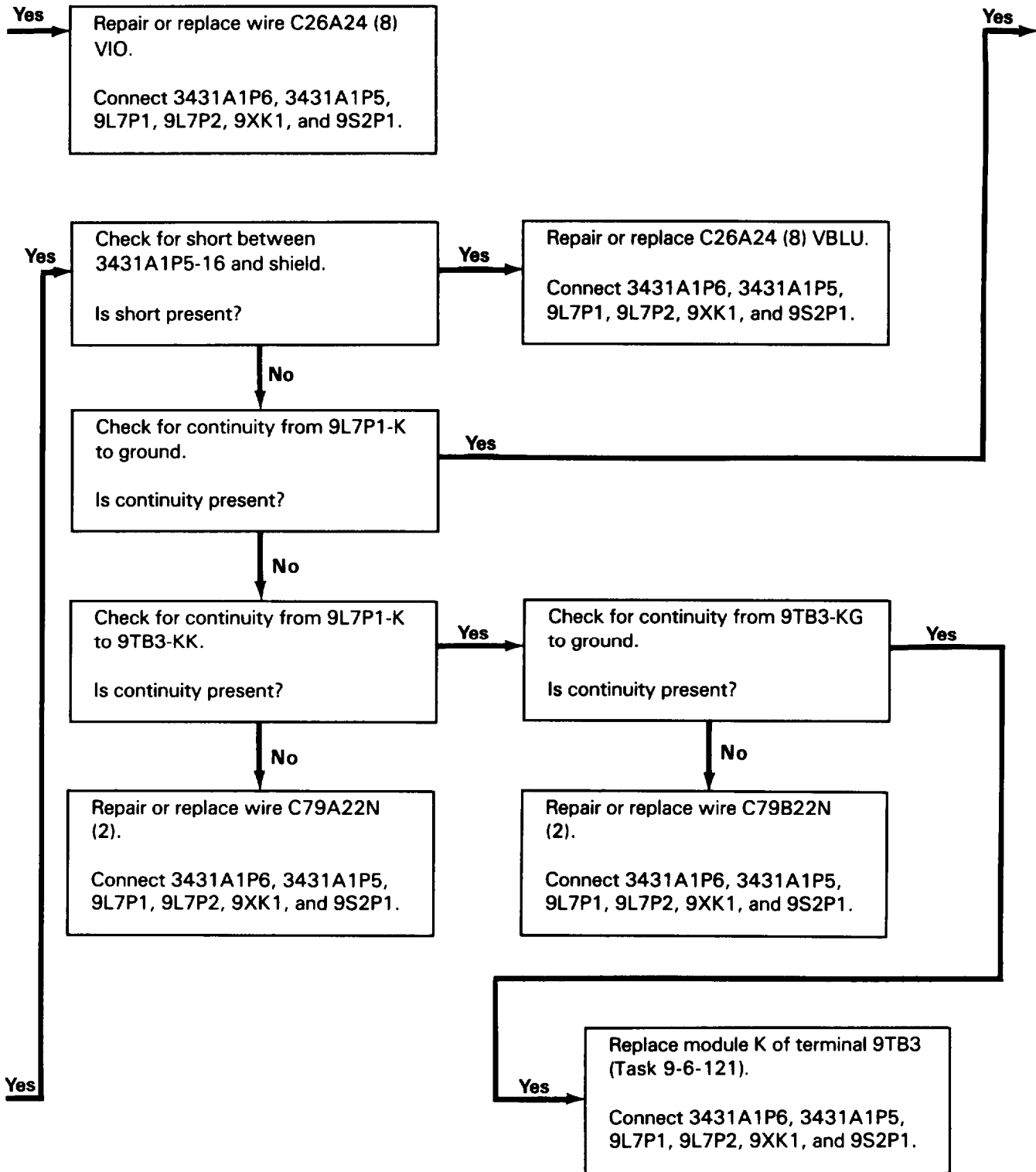


TM-55-248-23-2
J0238

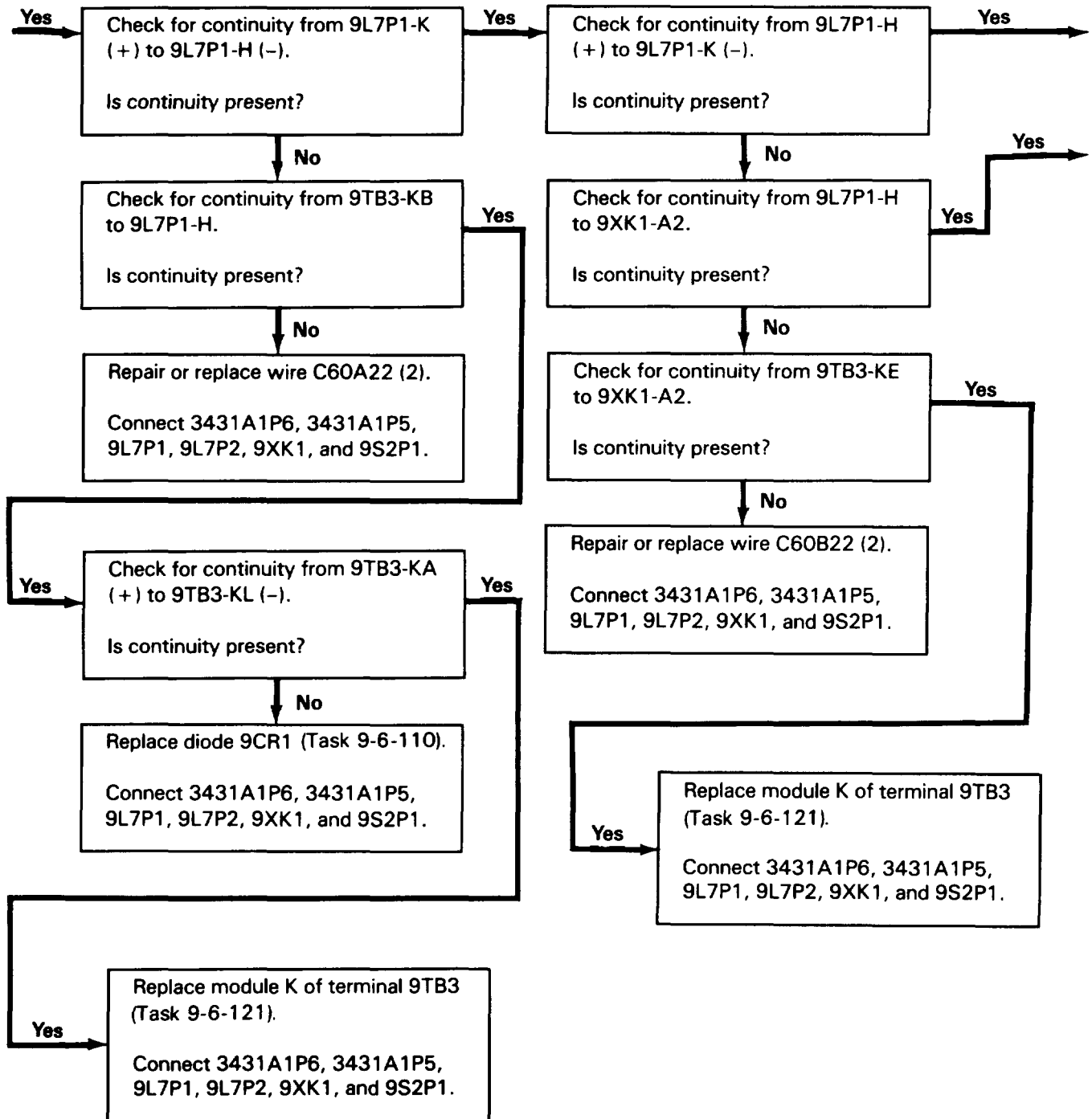
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



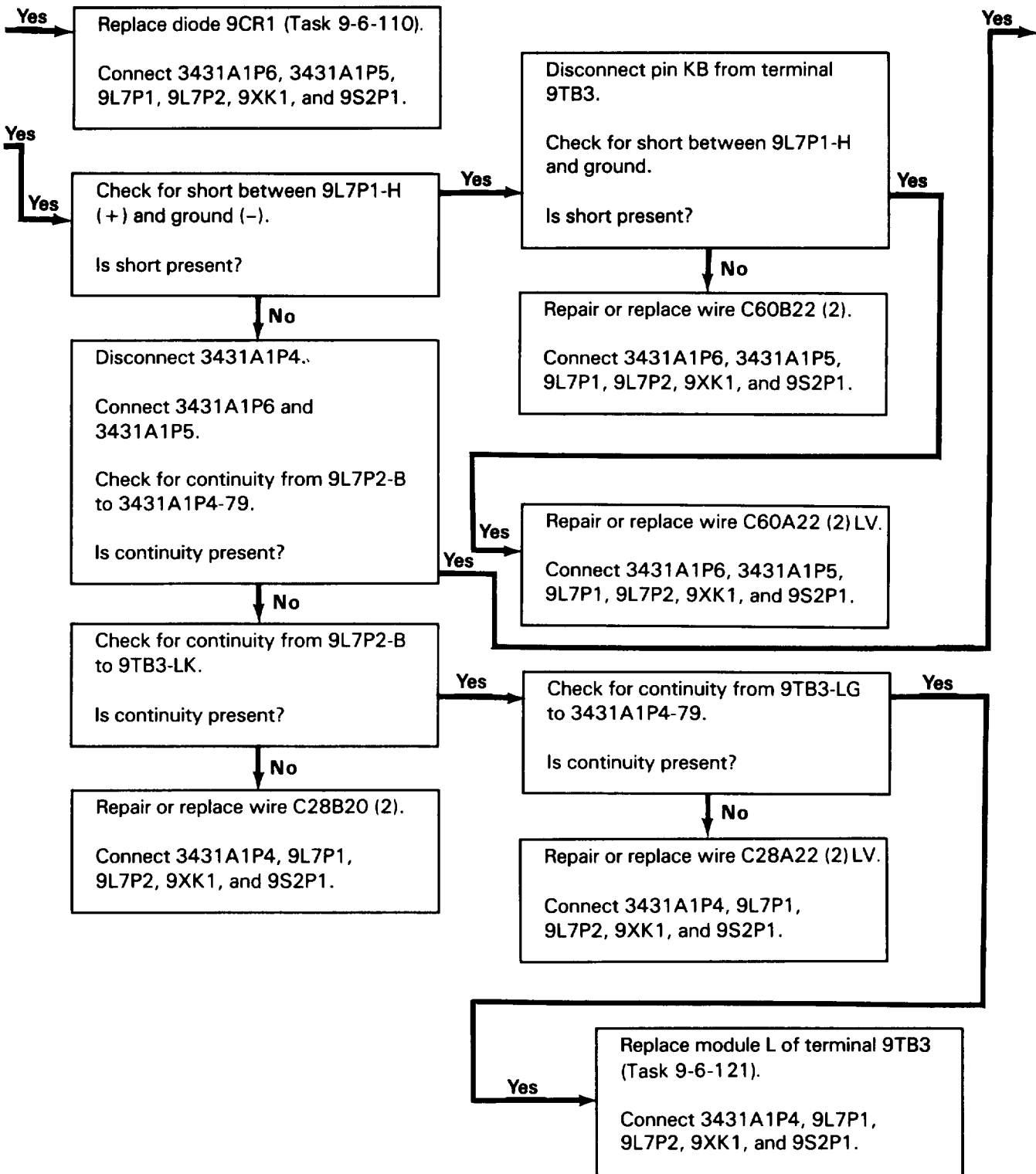
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



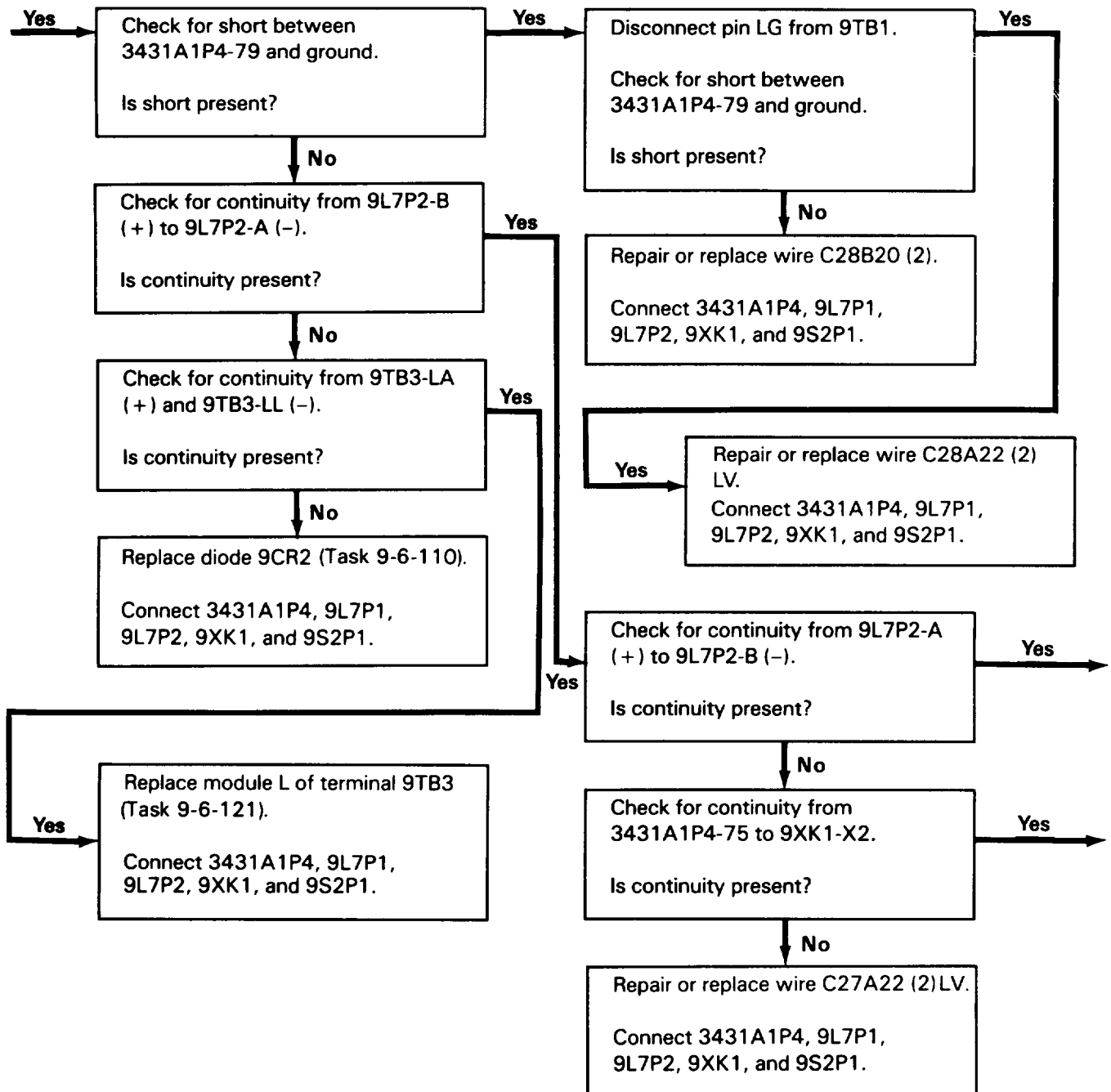
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



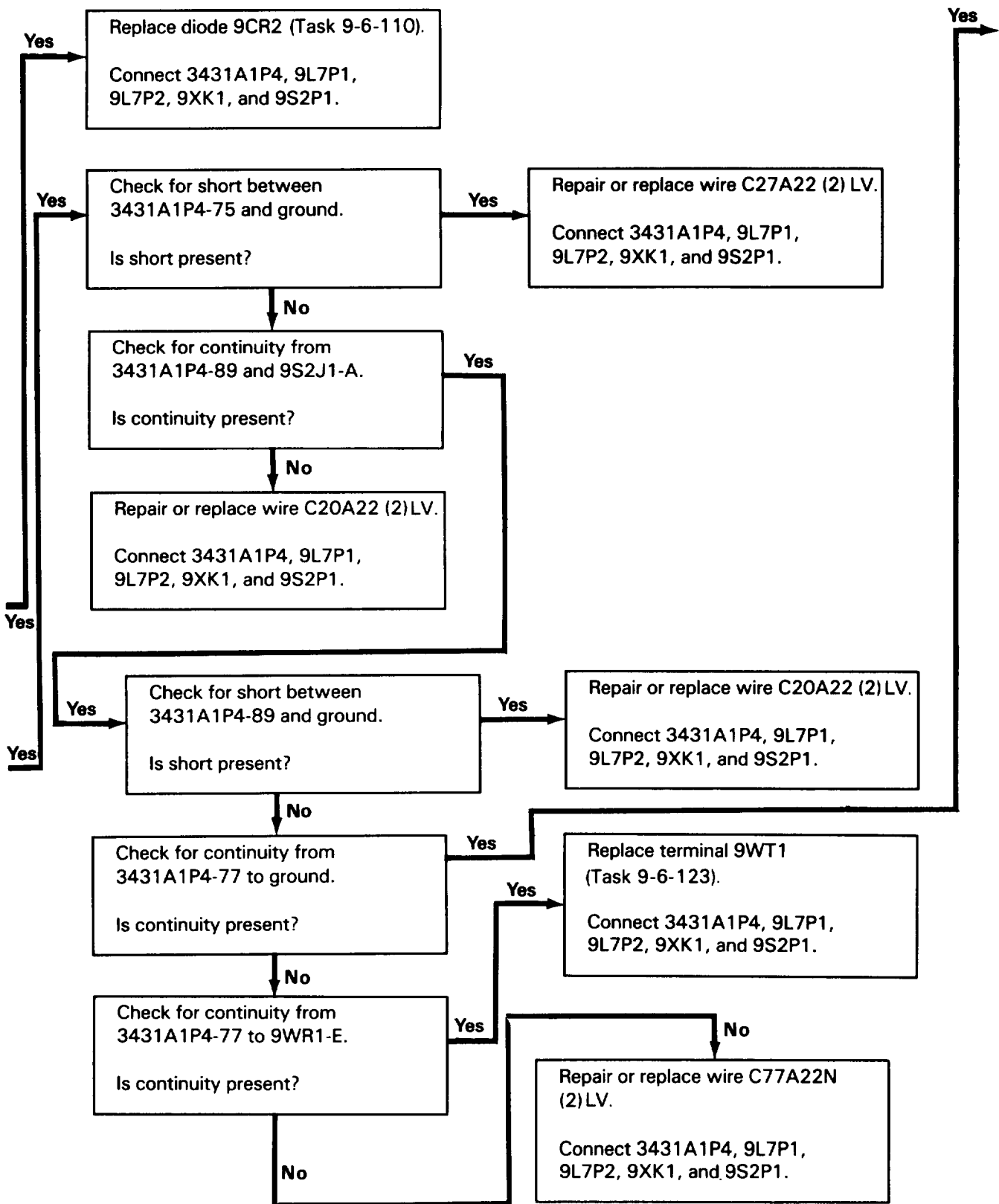
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



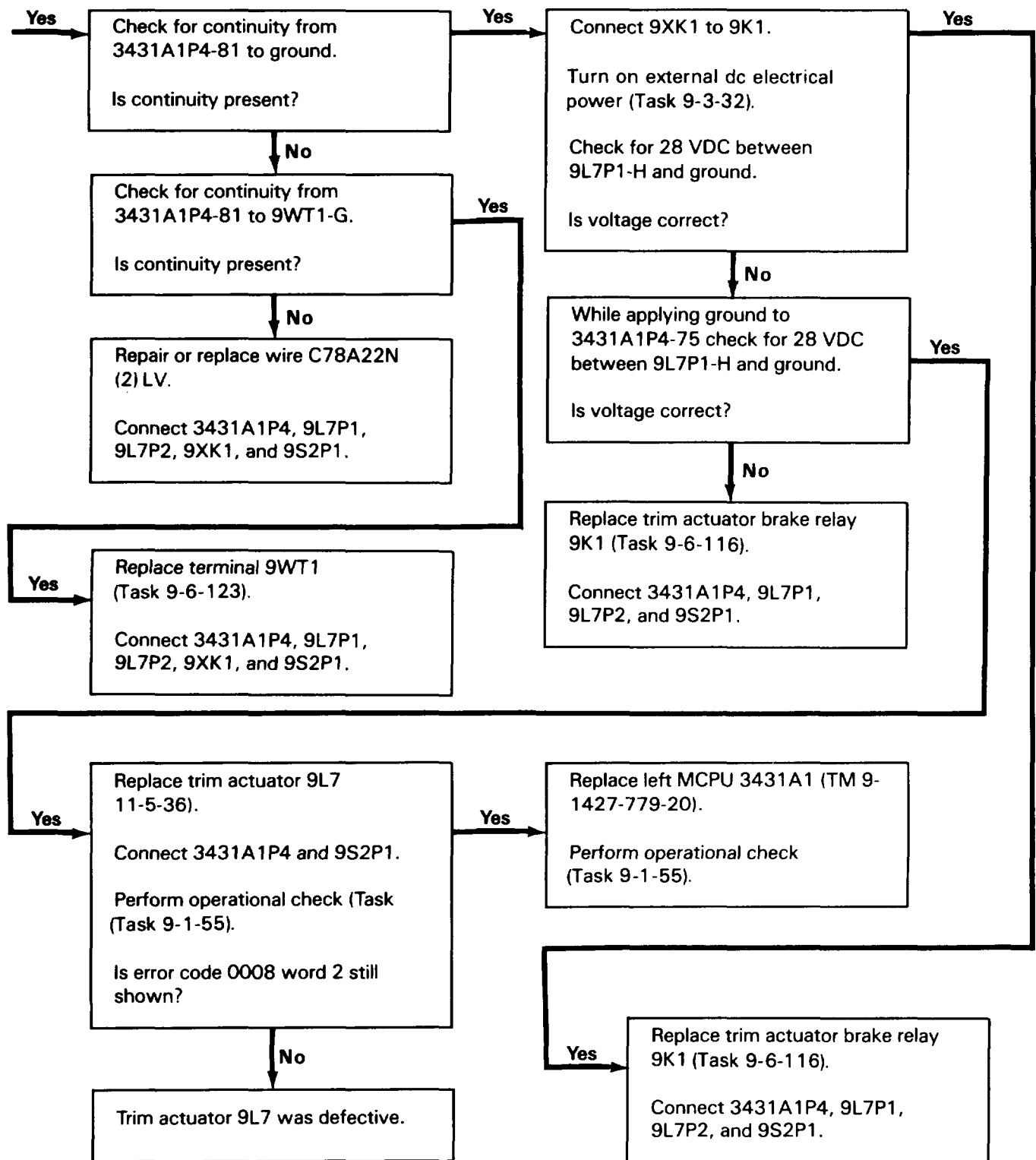
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



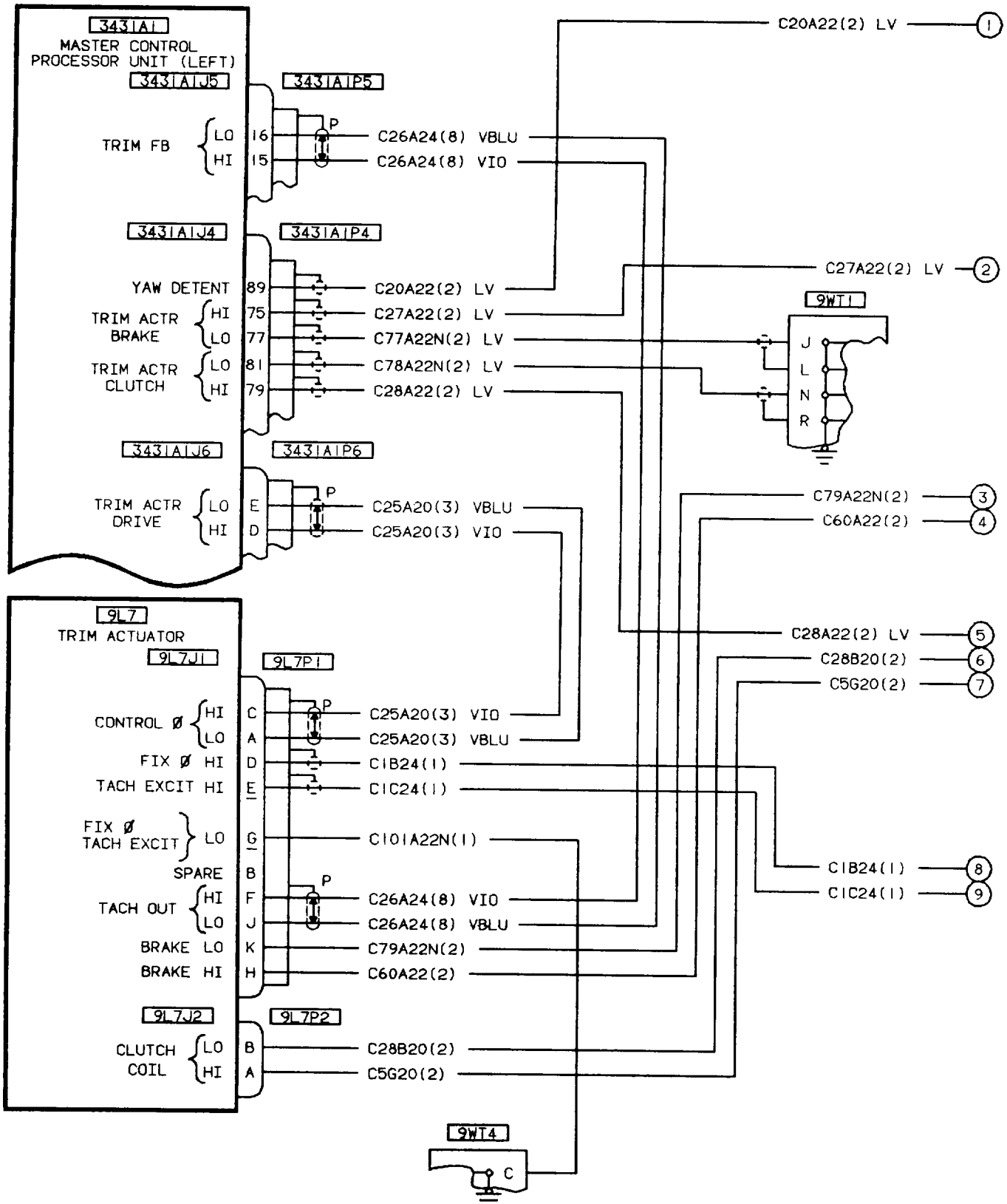
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



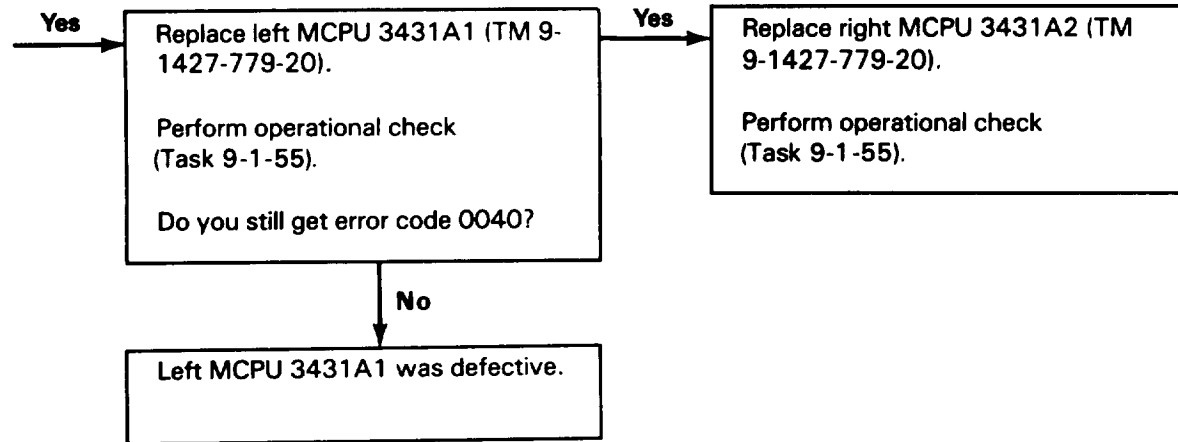
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



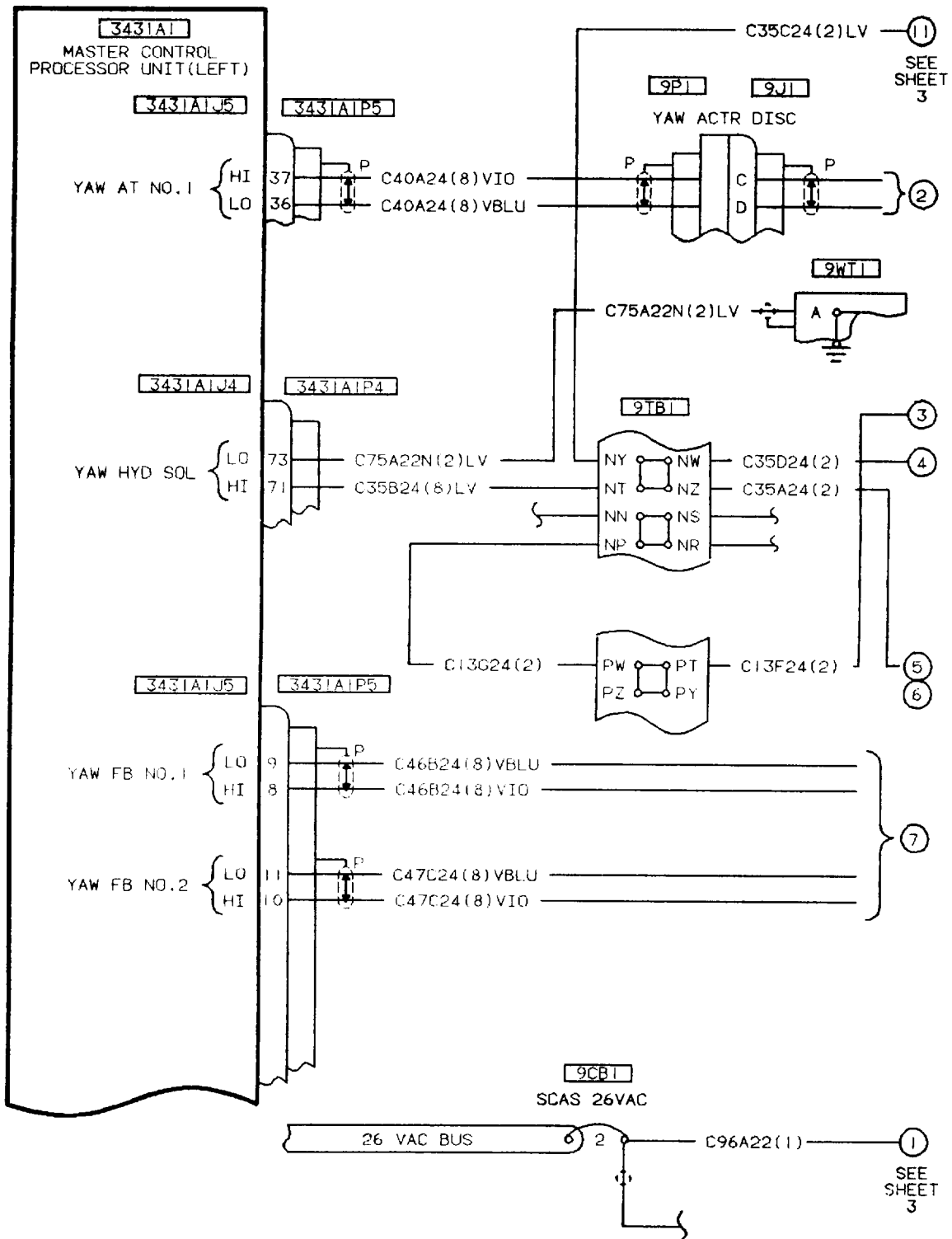
223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)



213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)

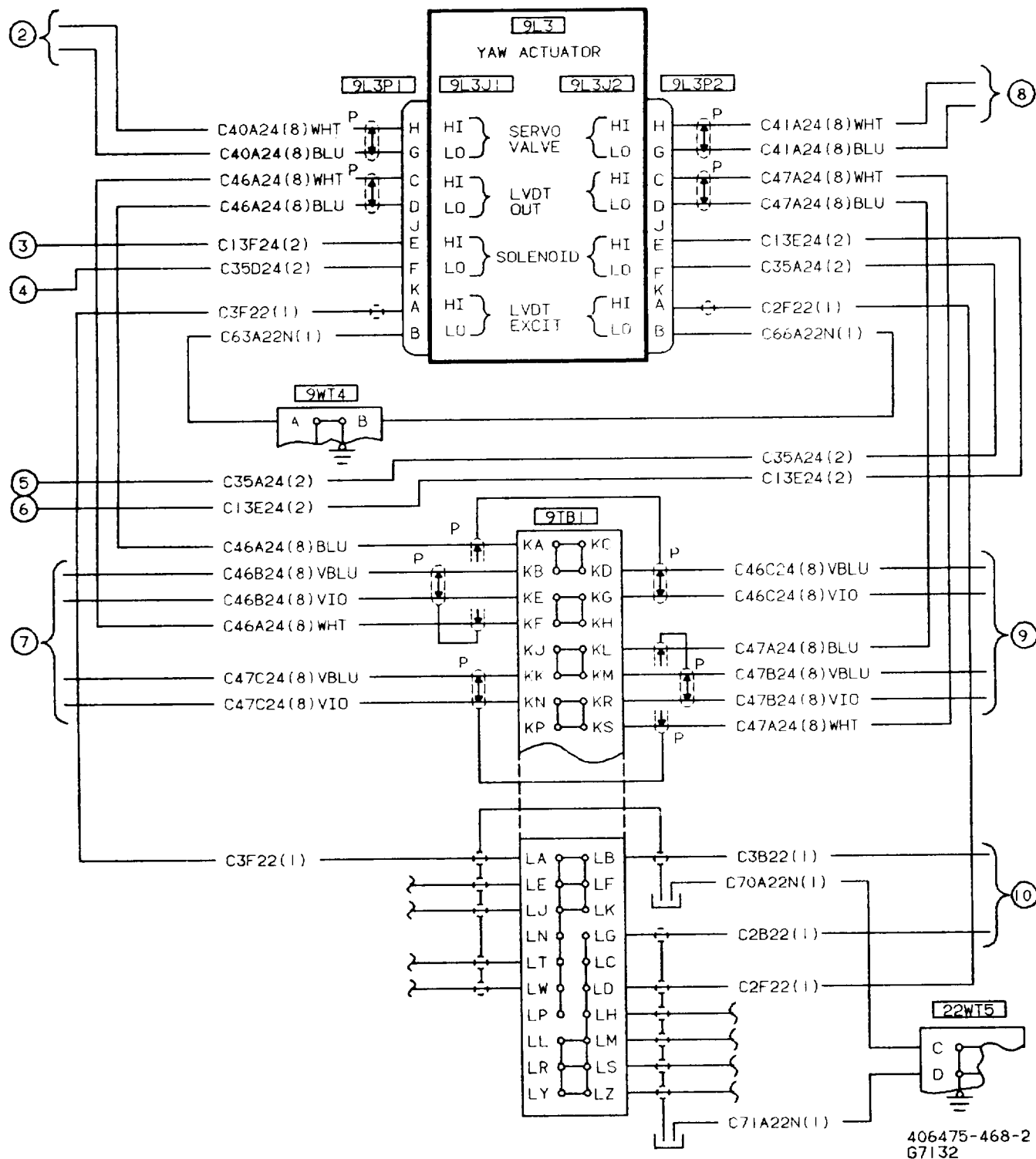


213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)

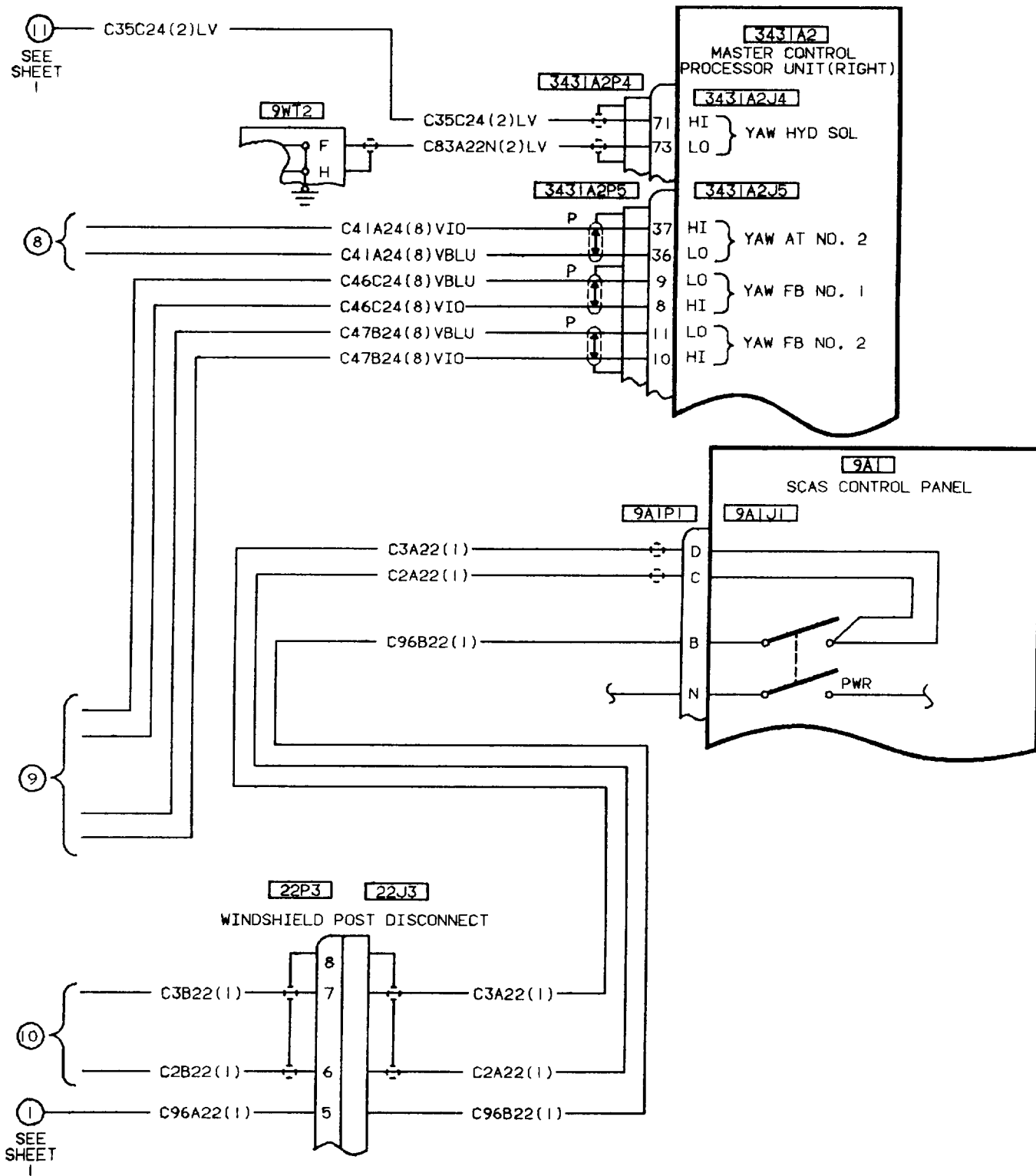


406475-468-1
H2086

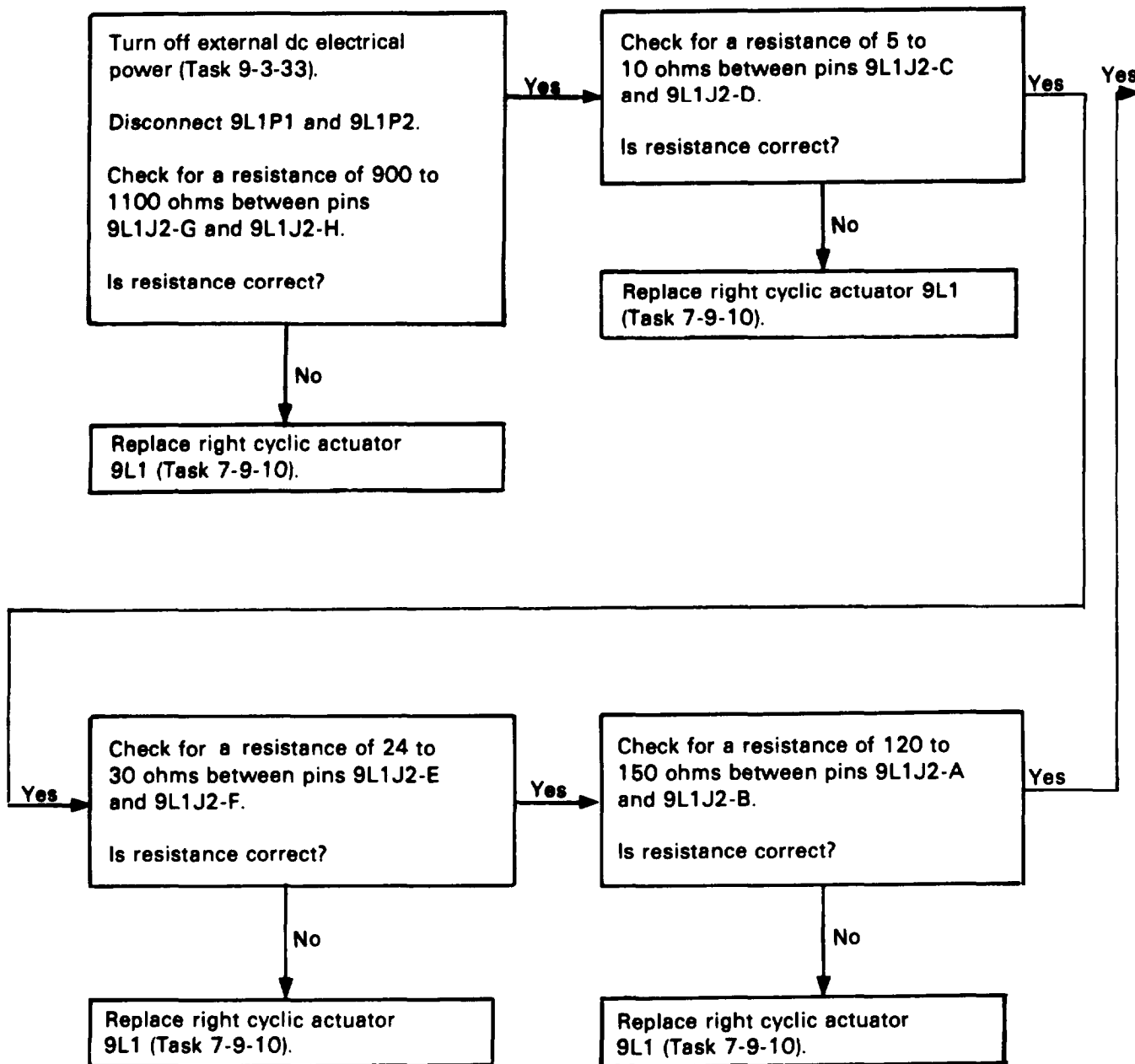
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



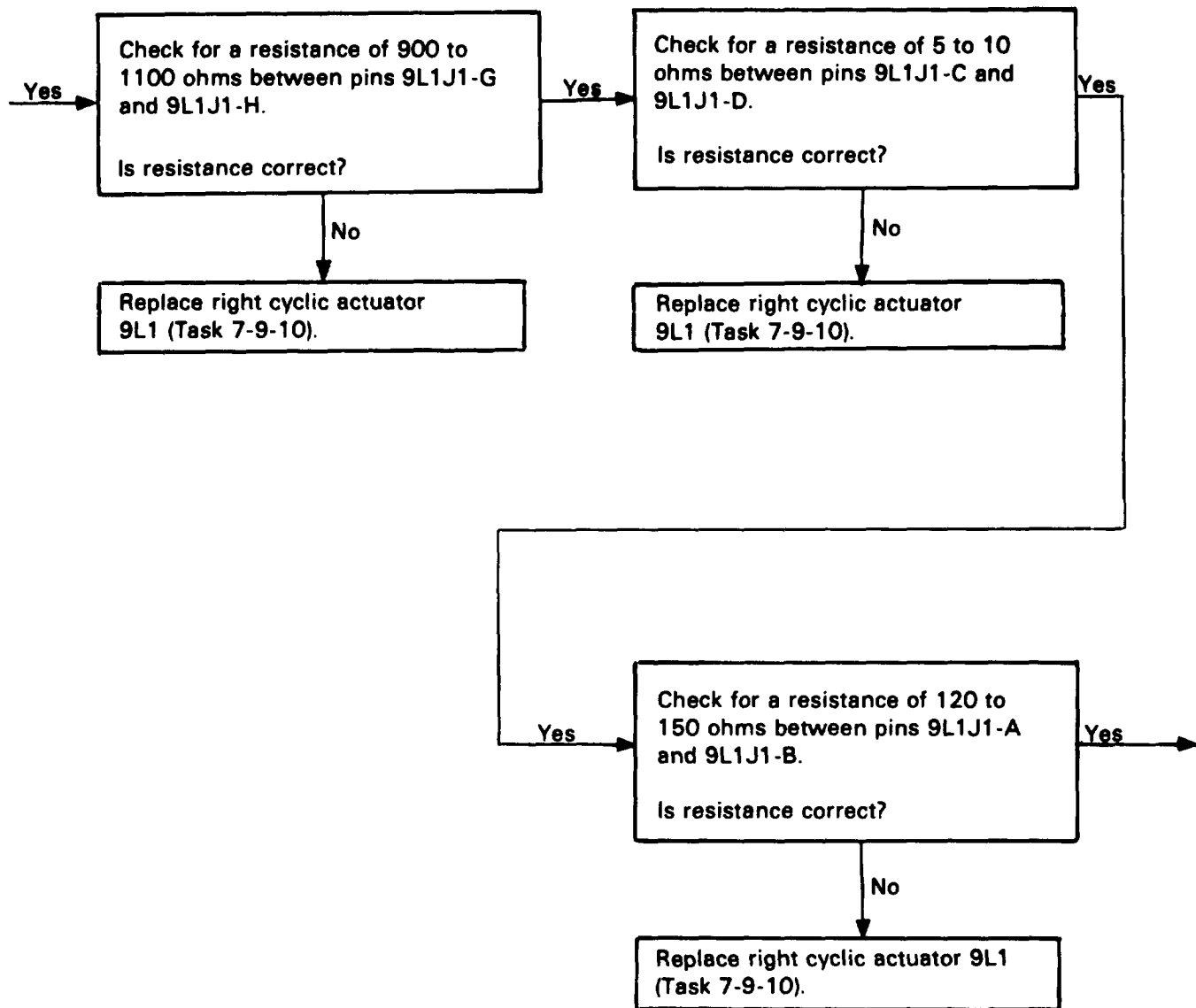
213. ERROR CODE 0040 WORD 1 YAW ACTUATOR FAIL (CONT)



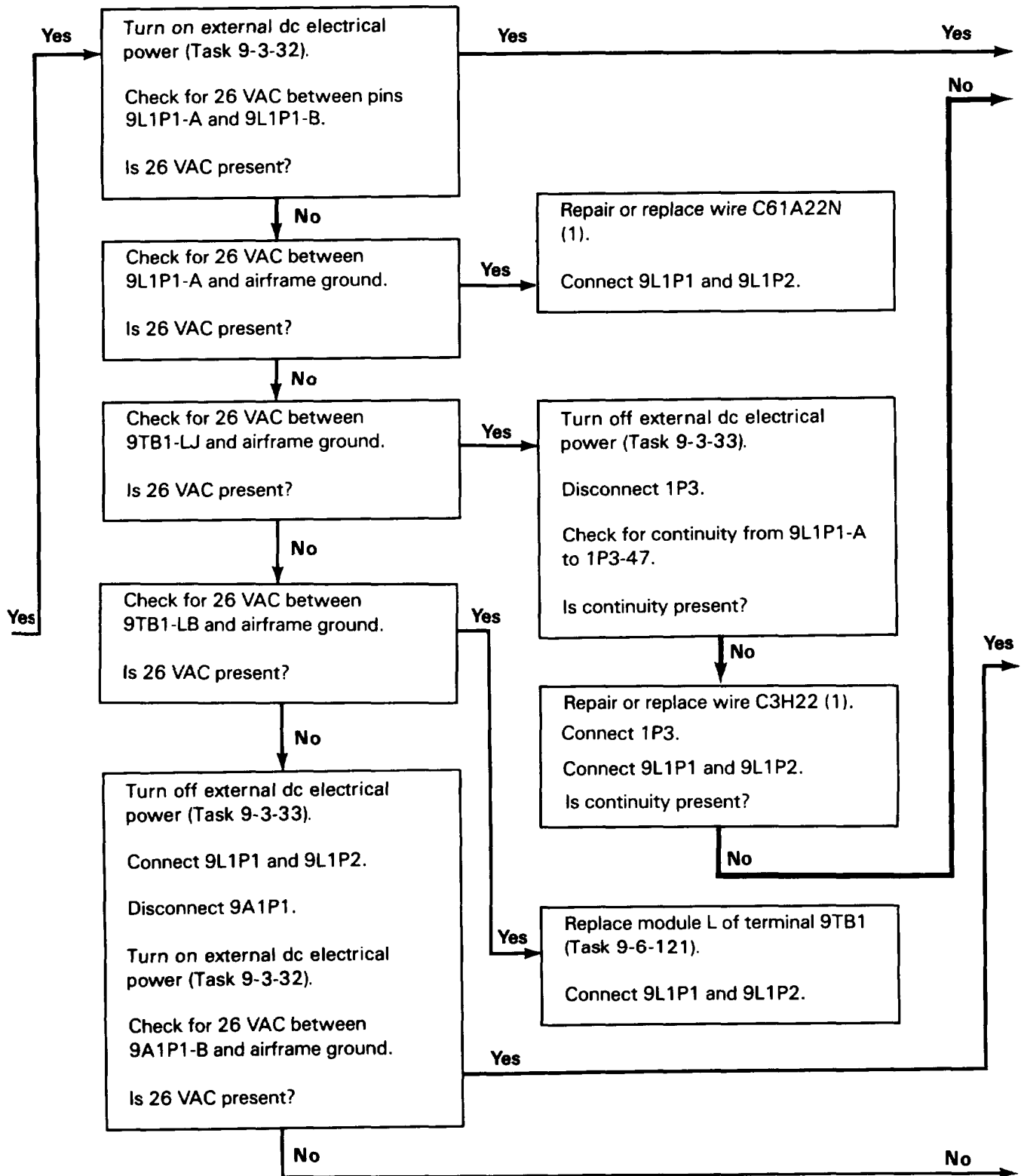
214, ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL



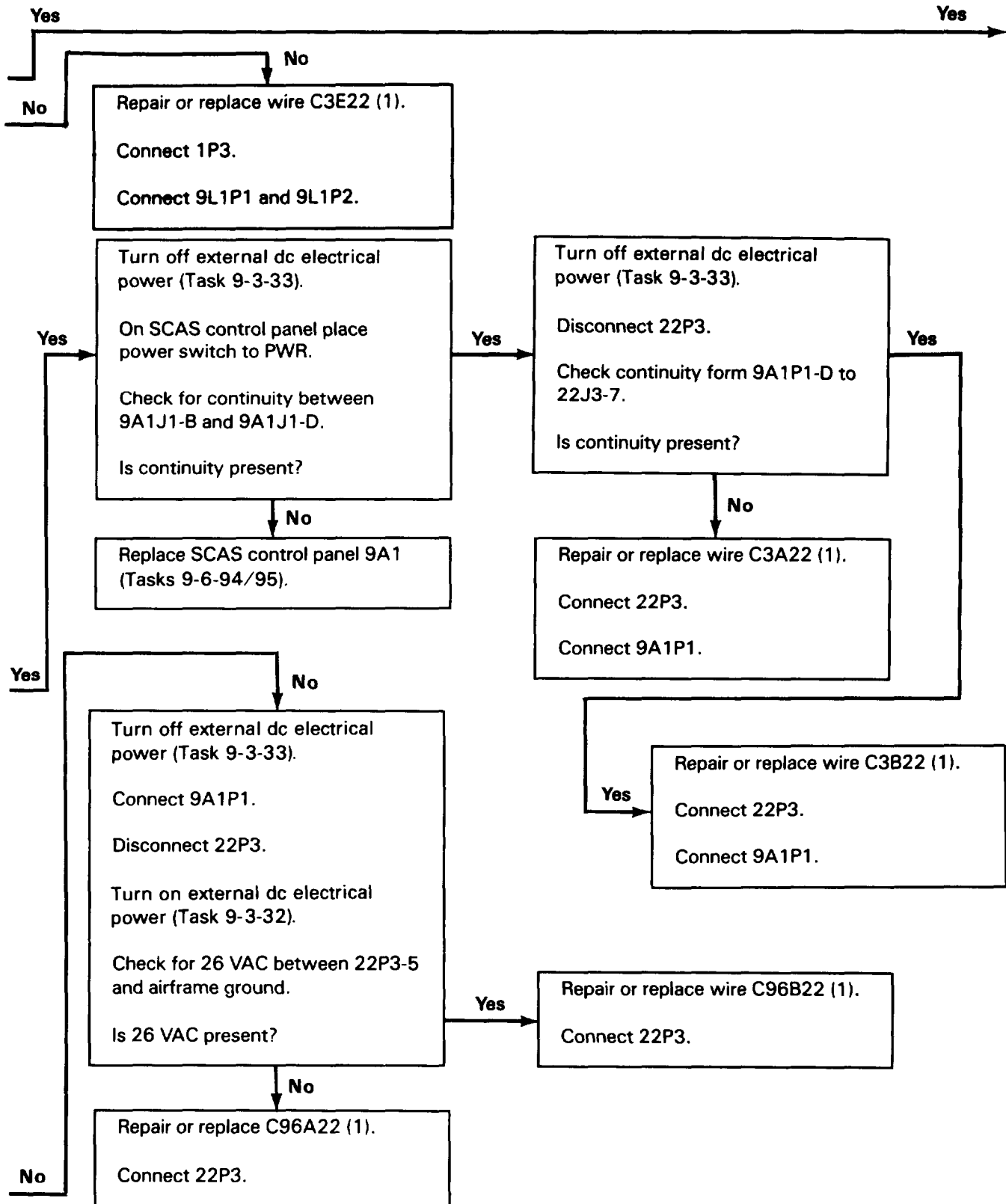
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



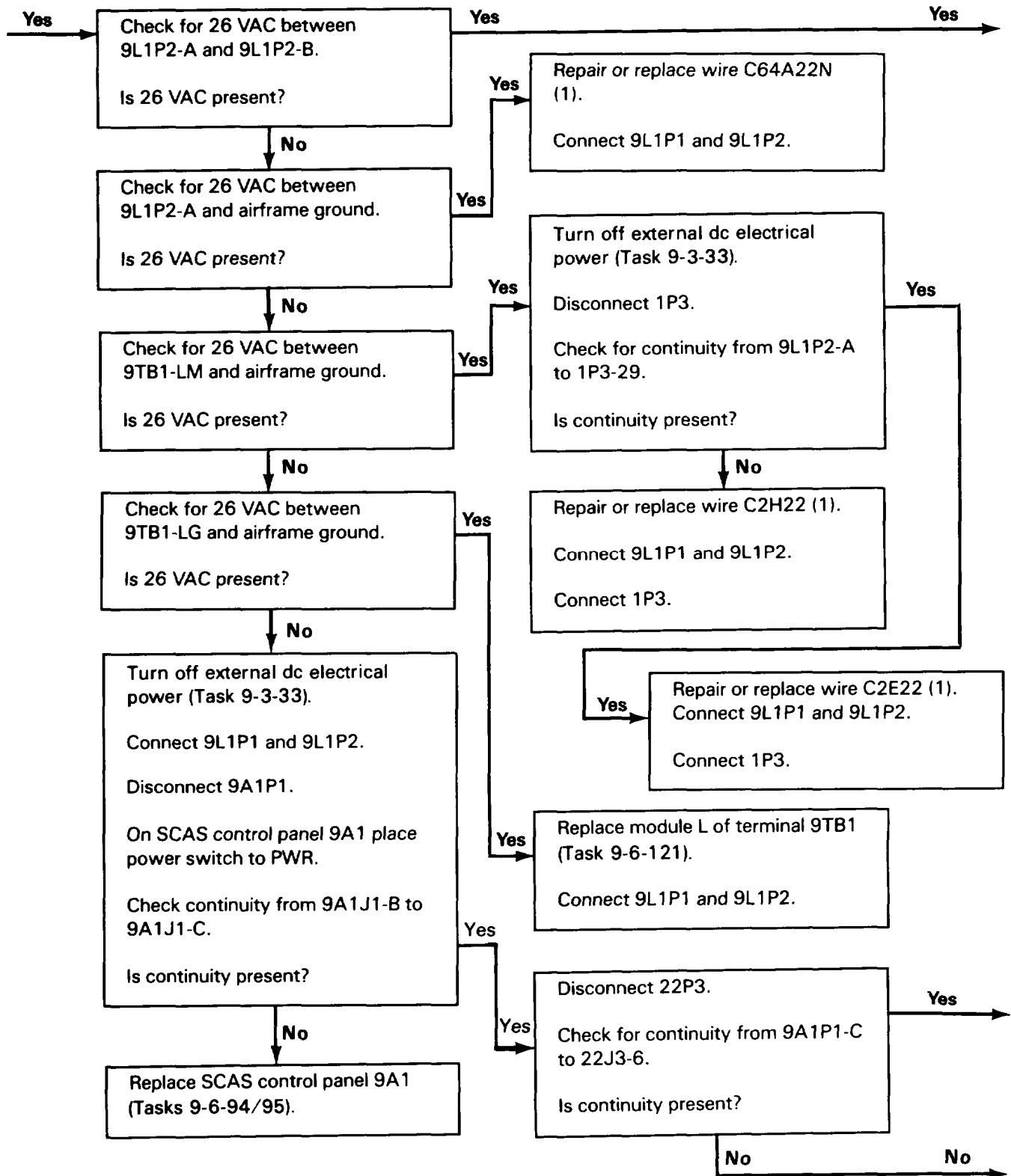
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



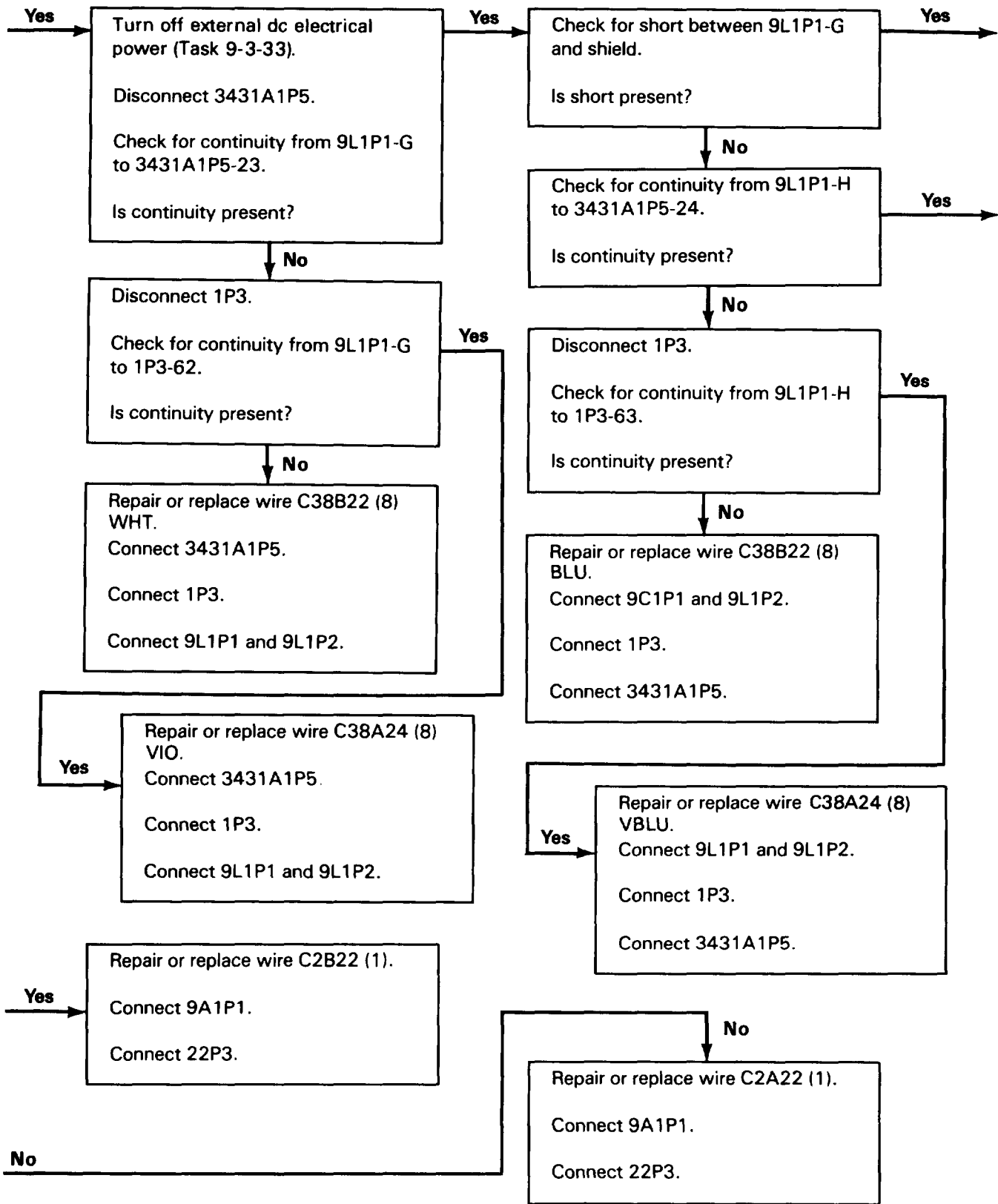
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



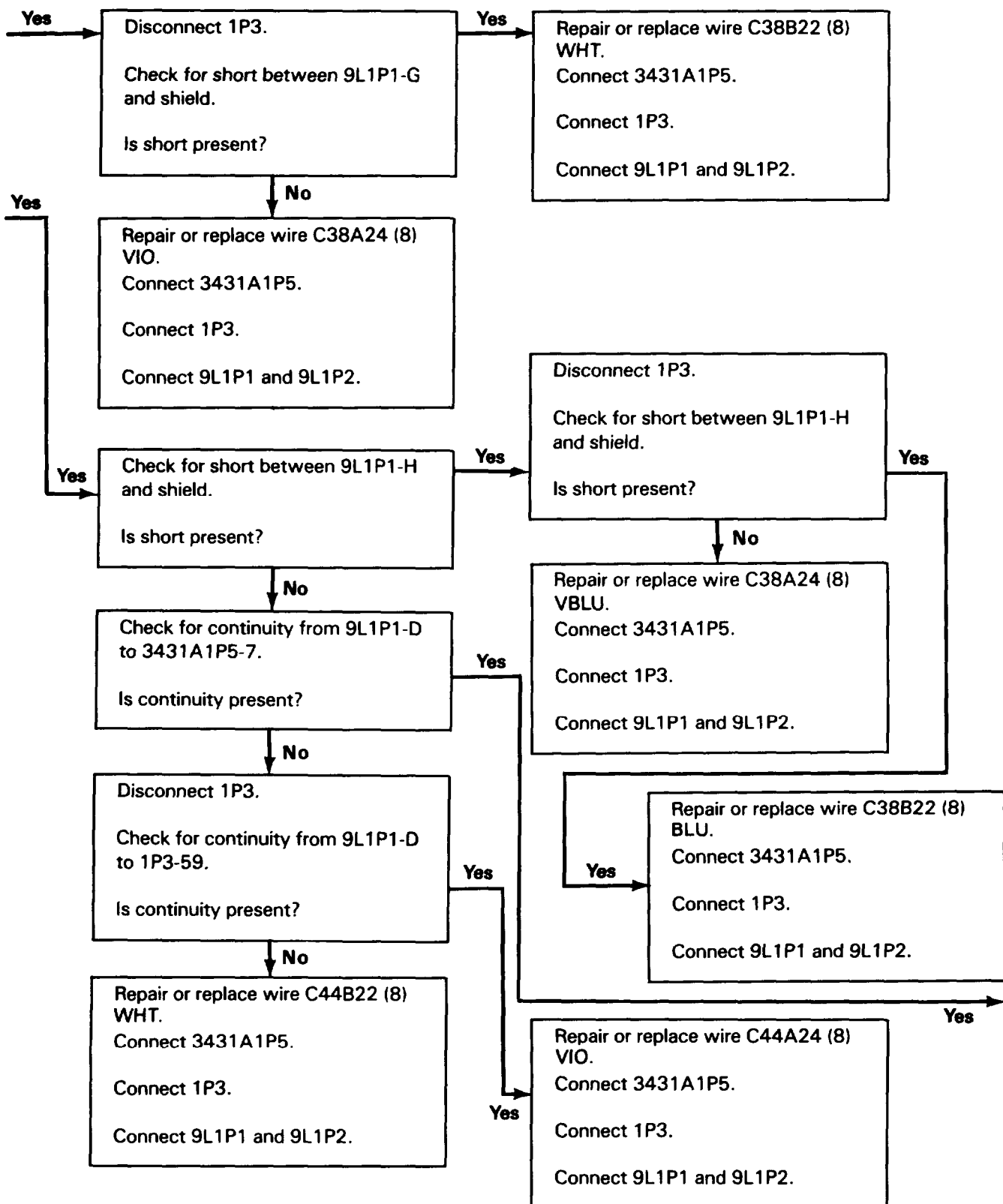
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



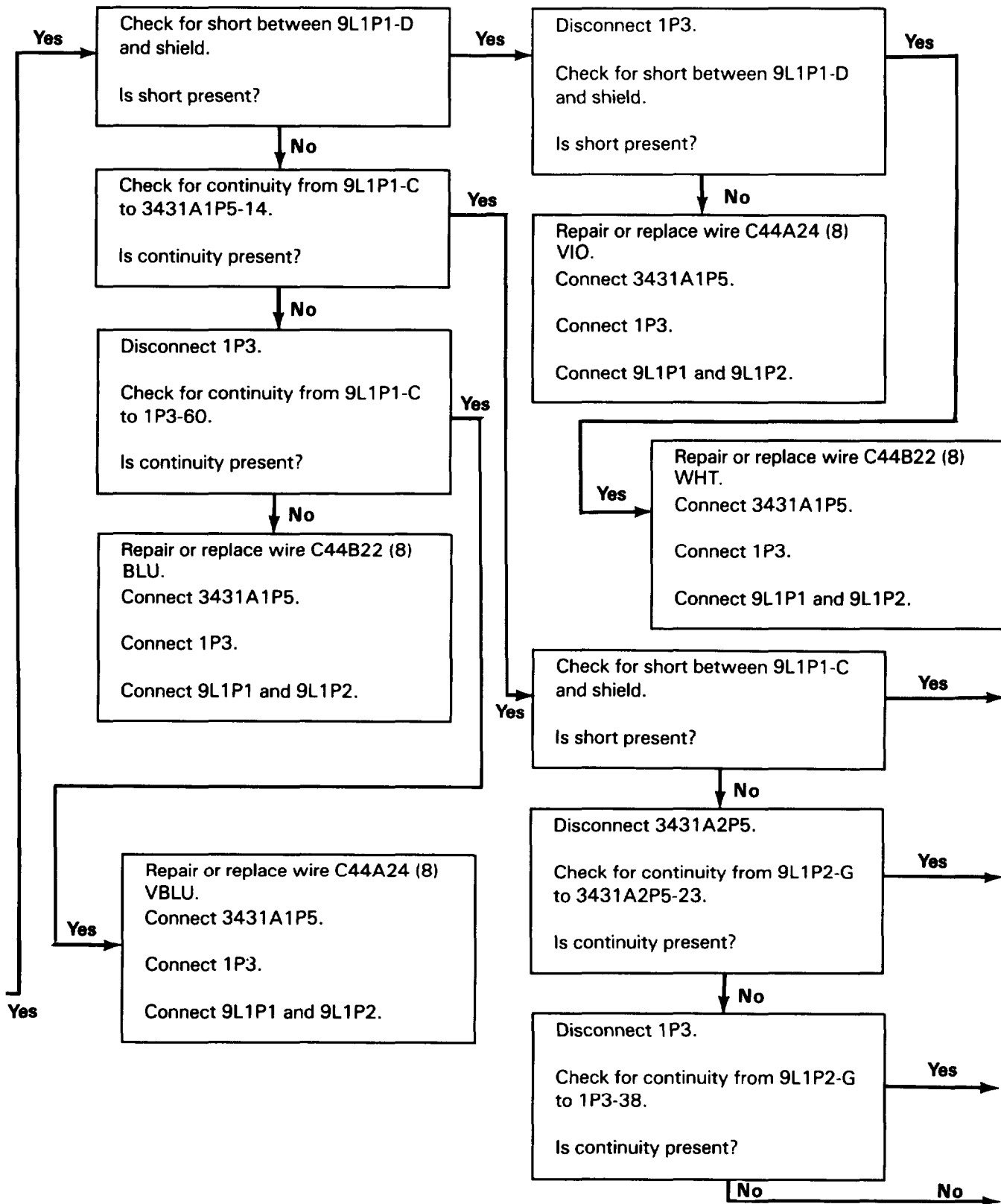
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



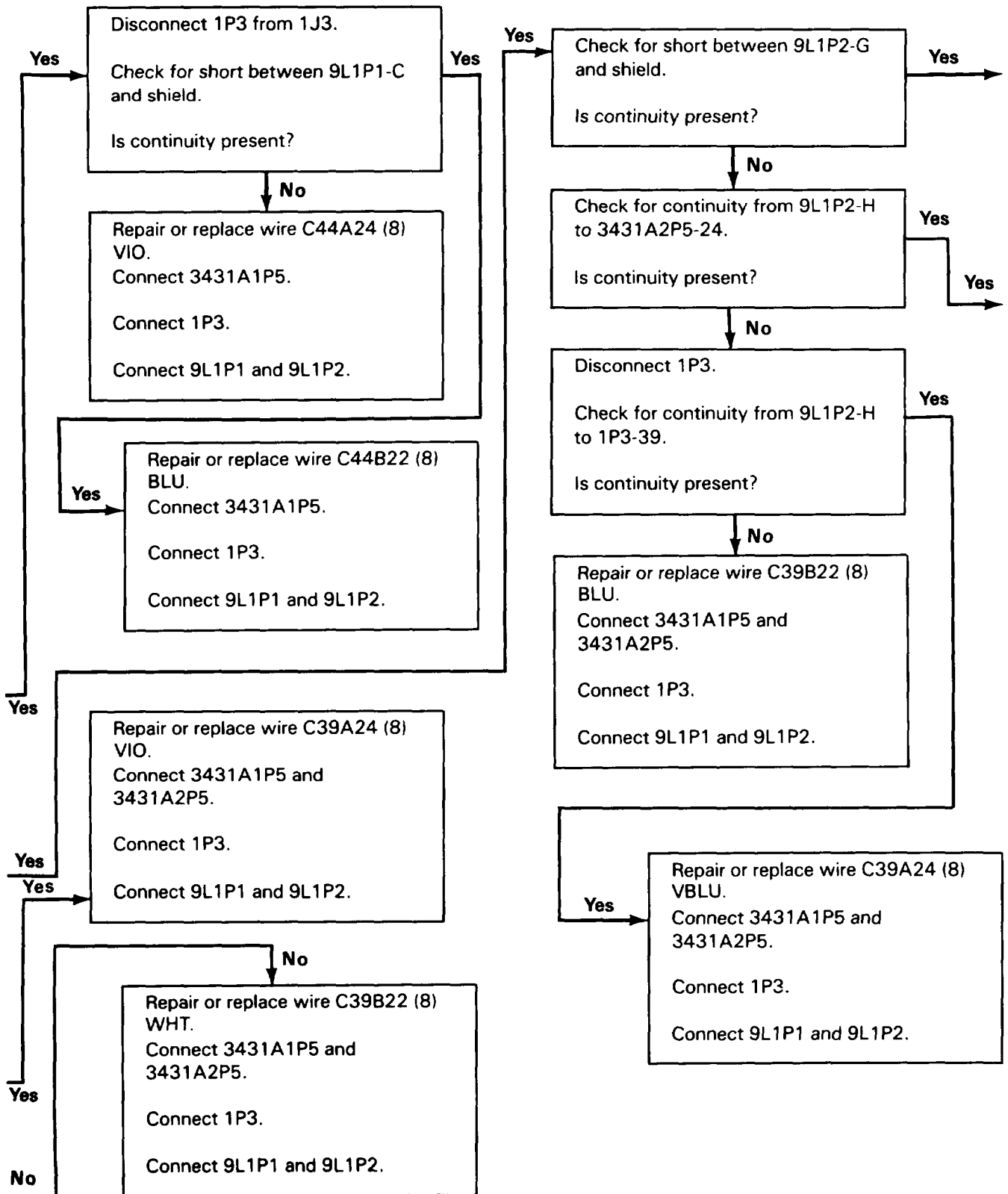
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



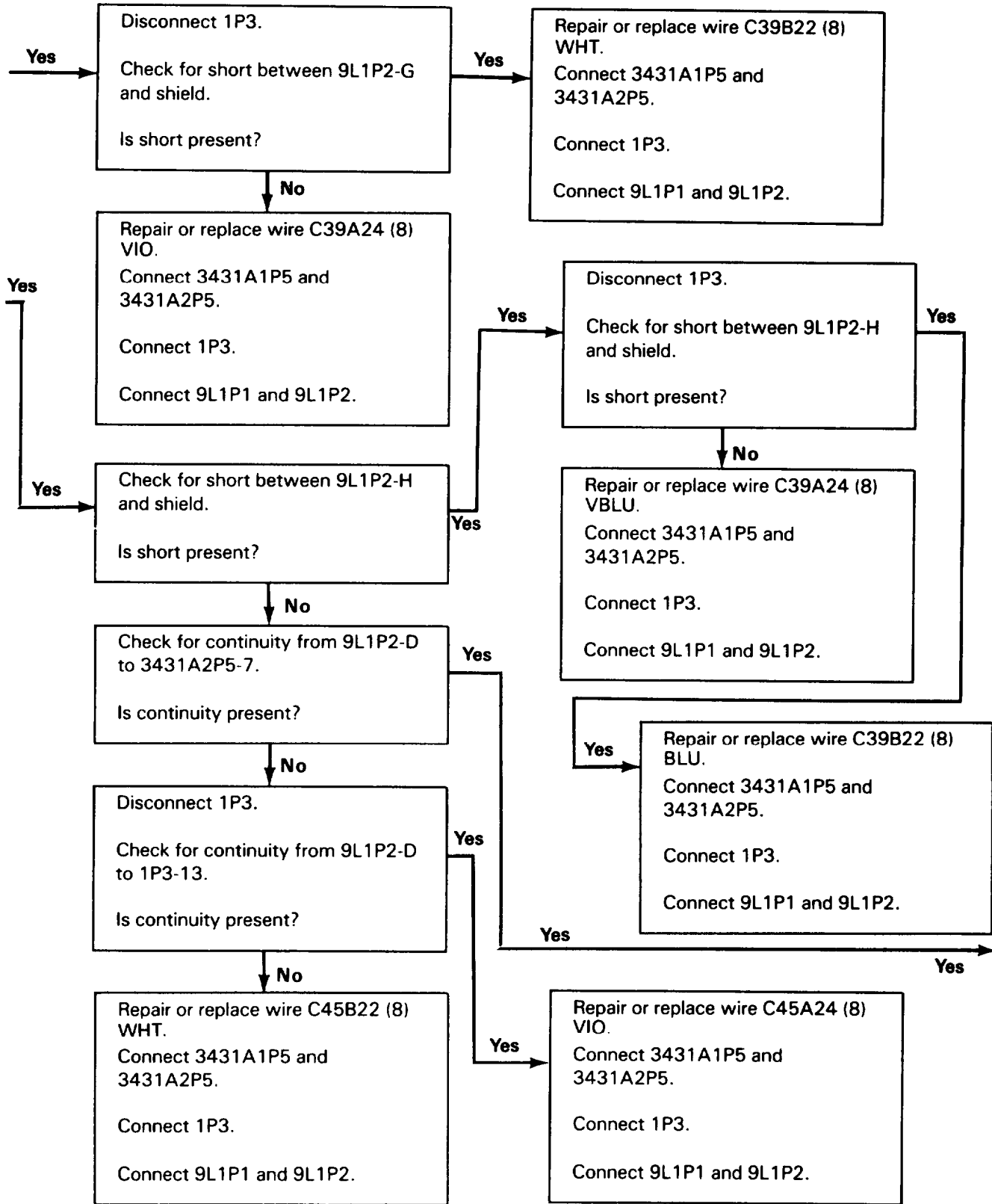
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



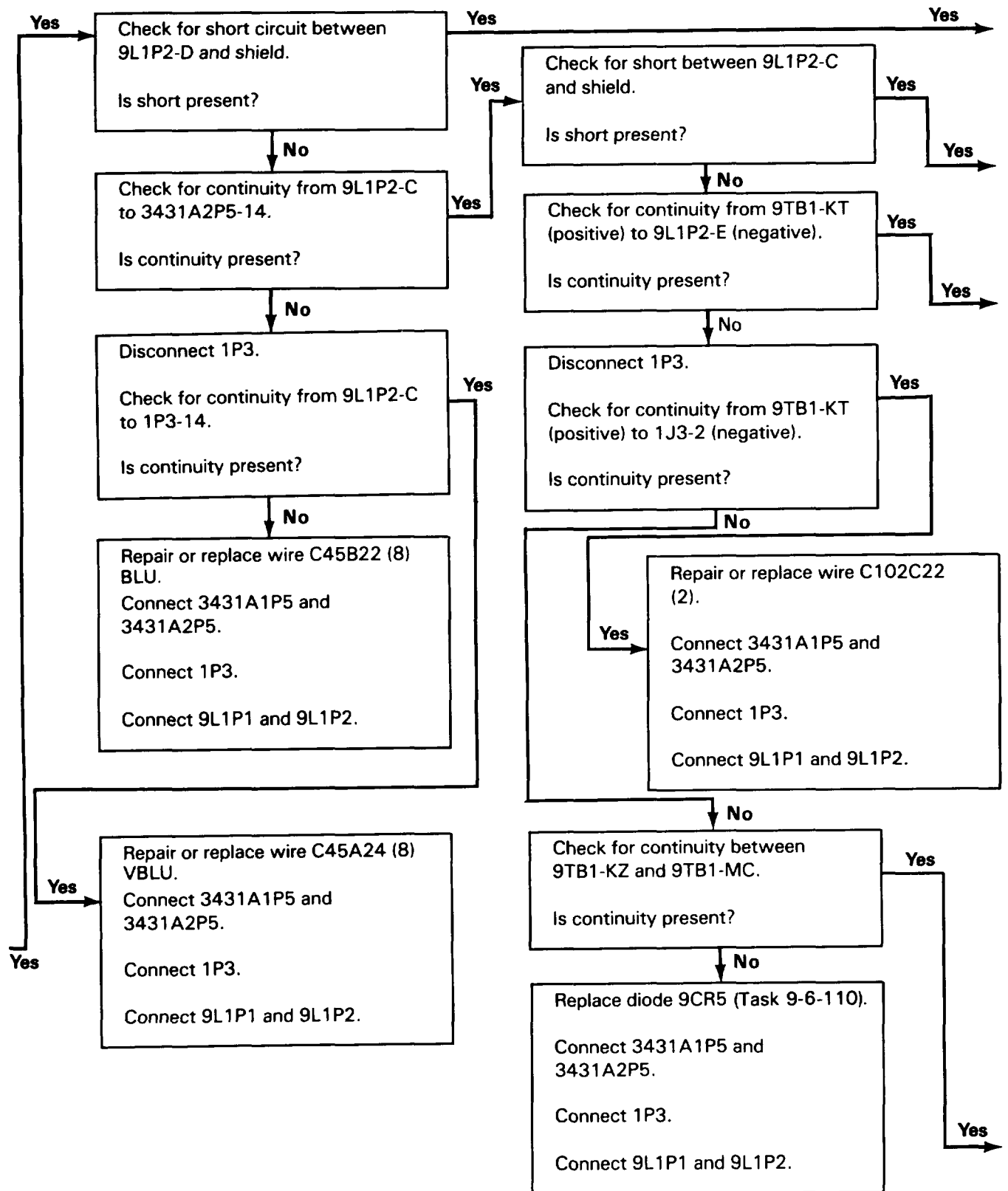
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



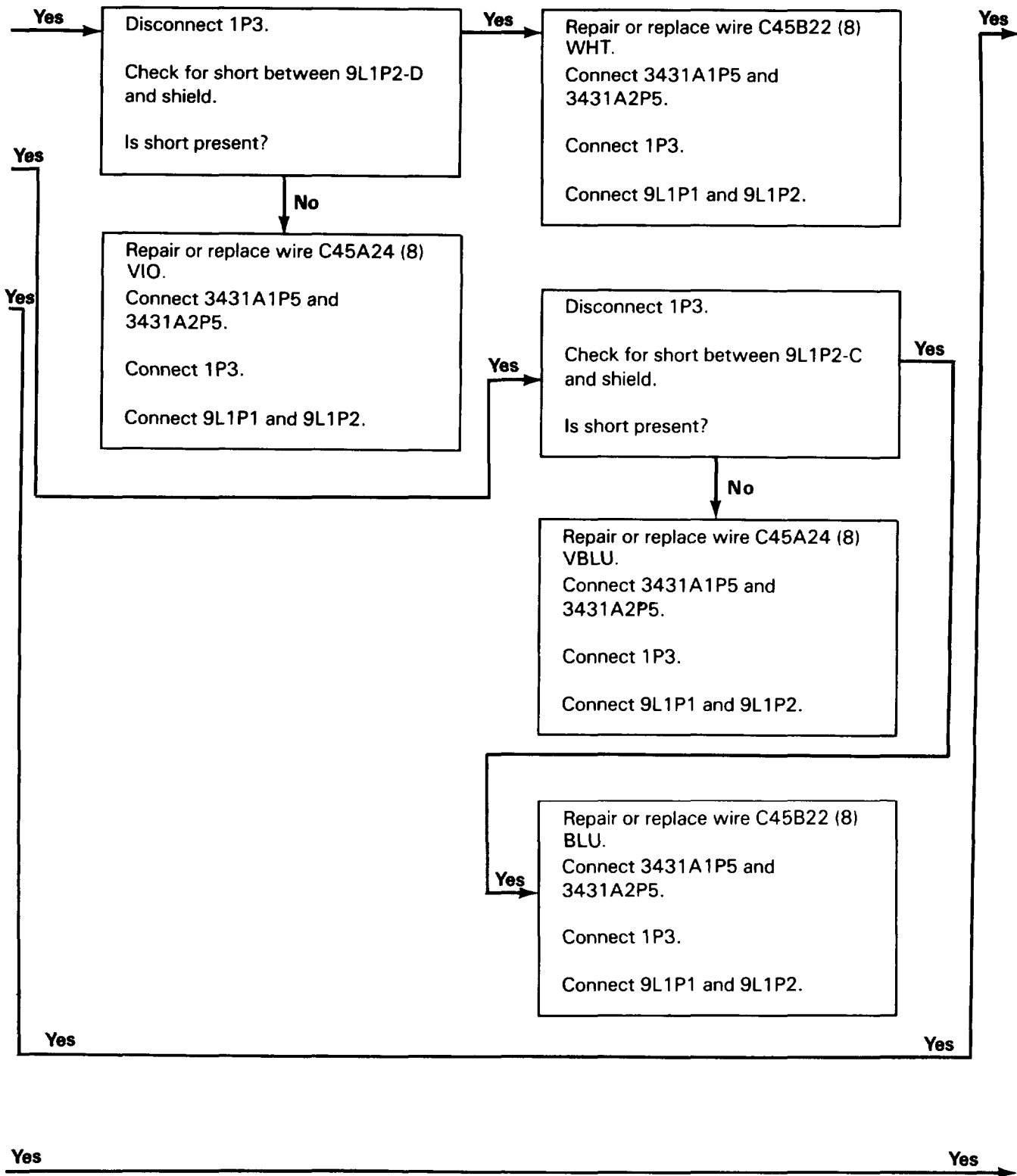
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



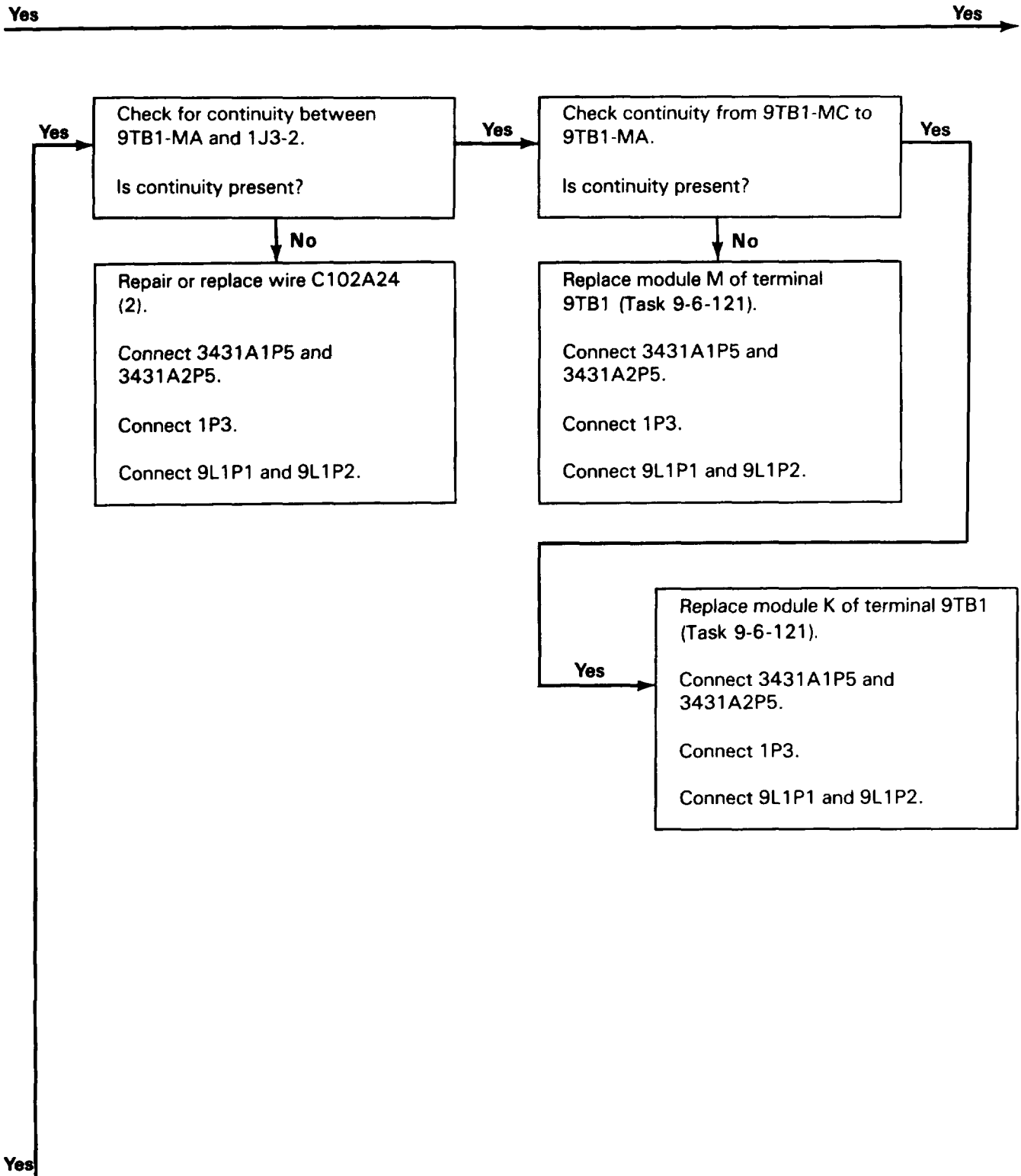
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



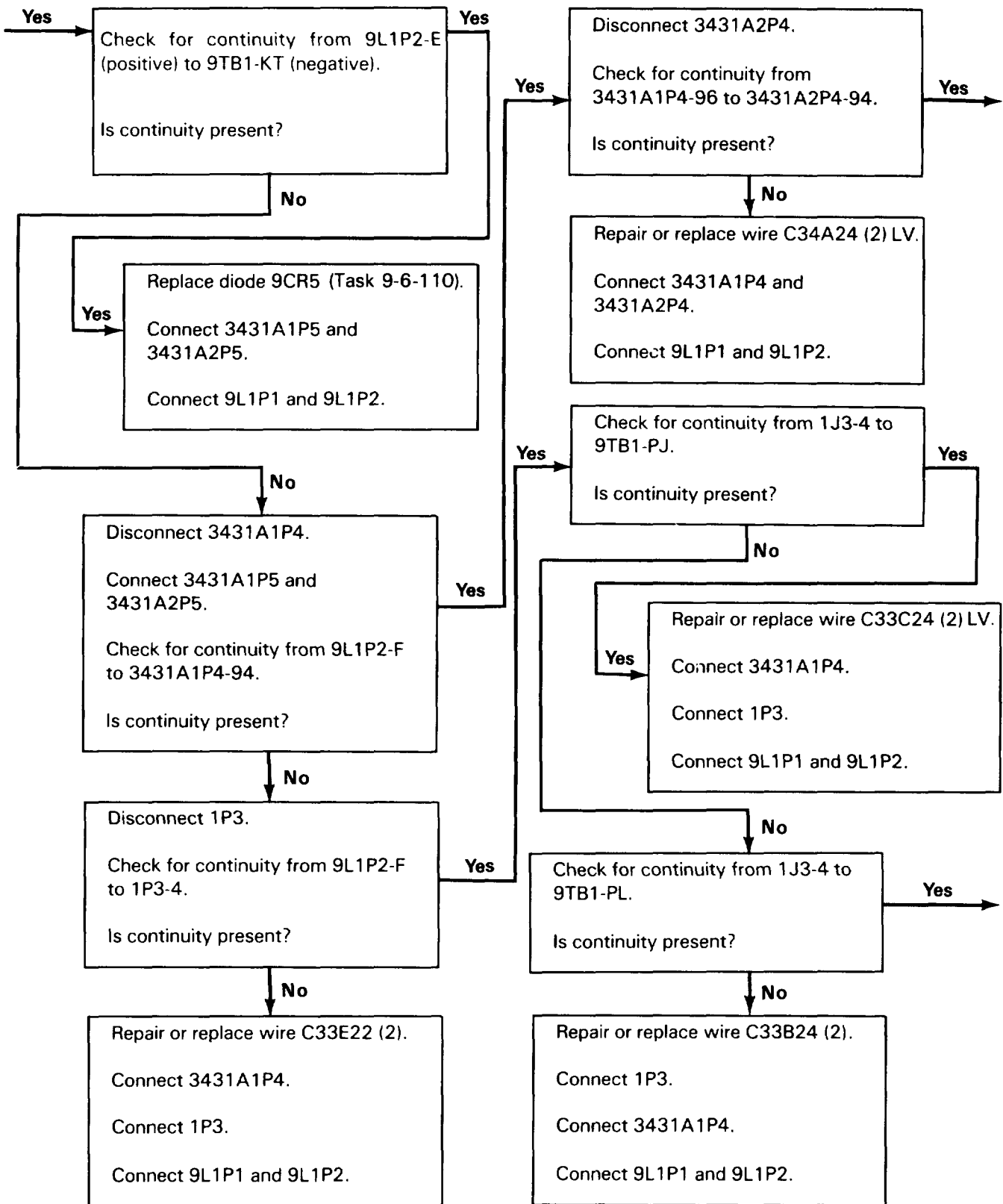
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



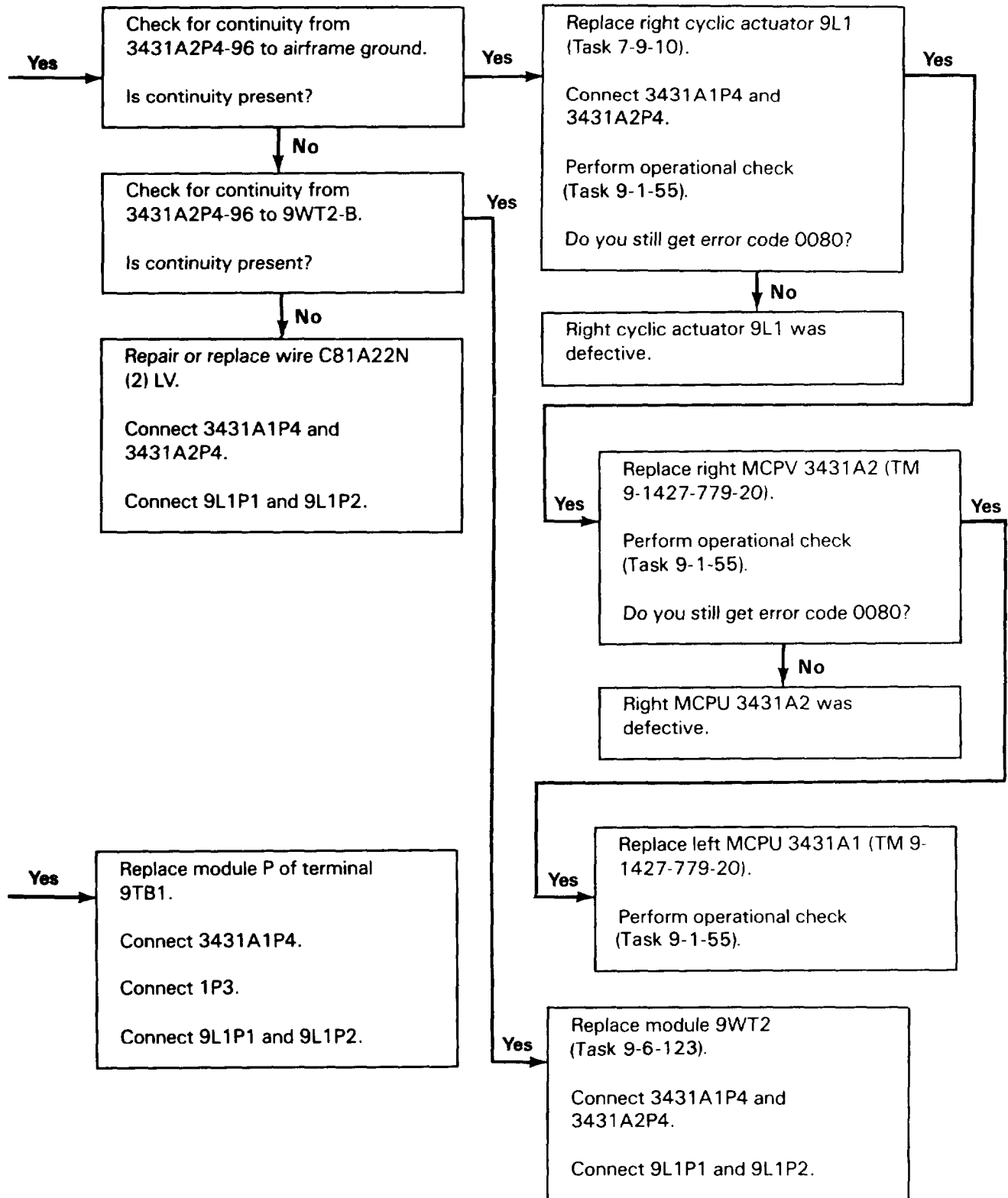
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



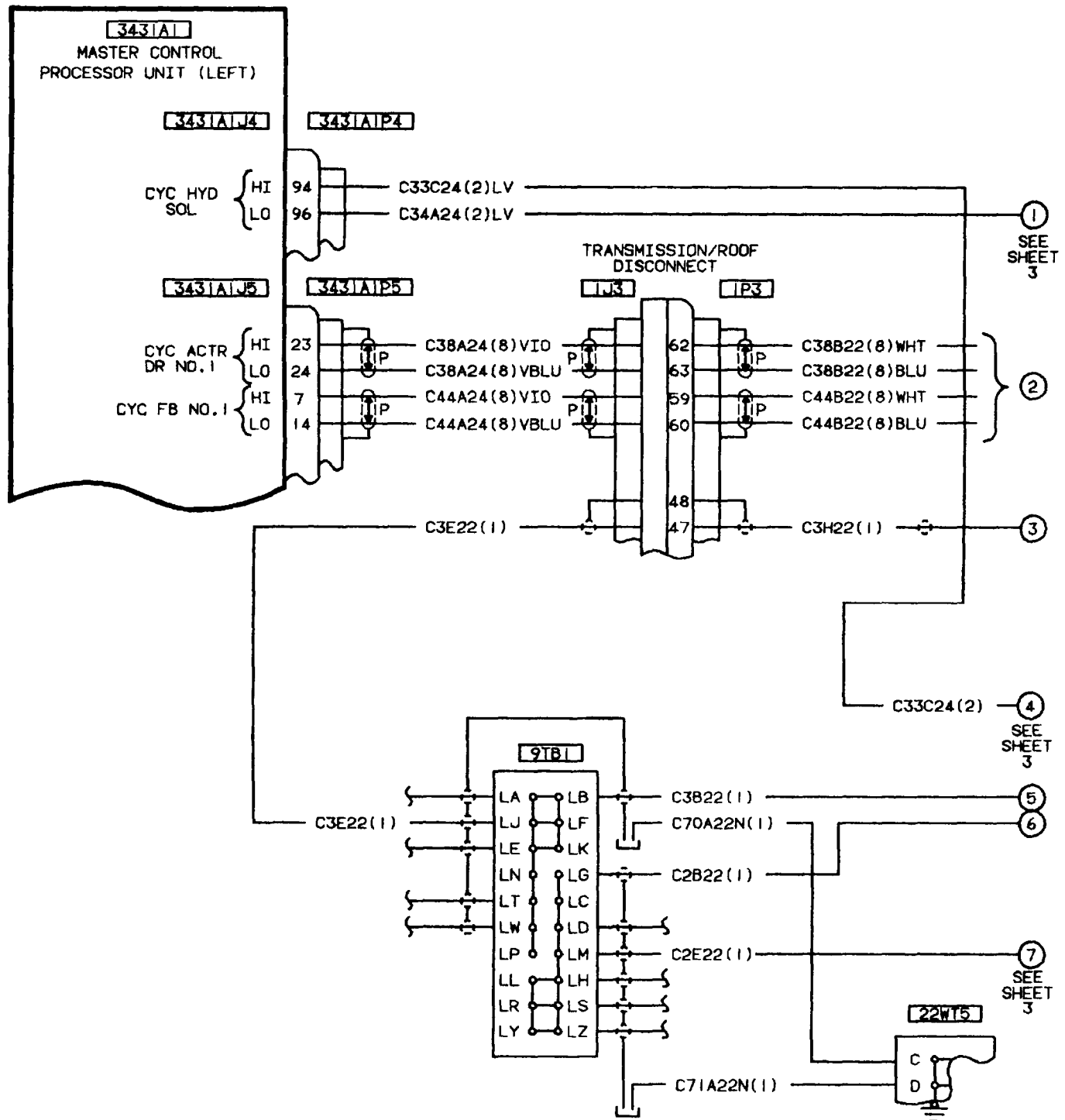
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



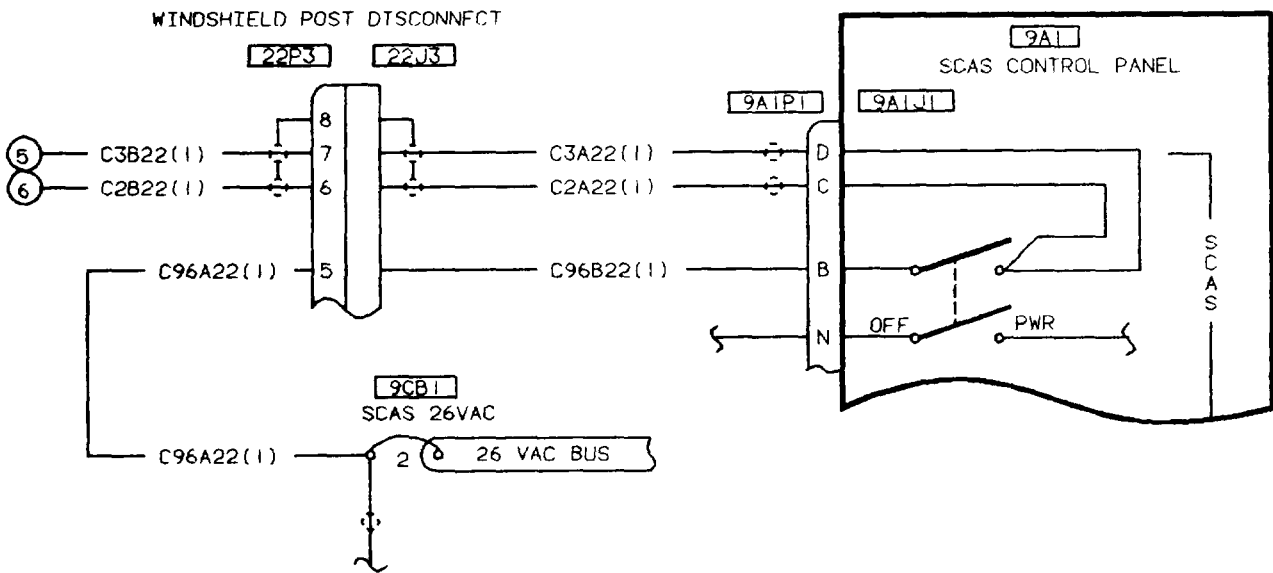
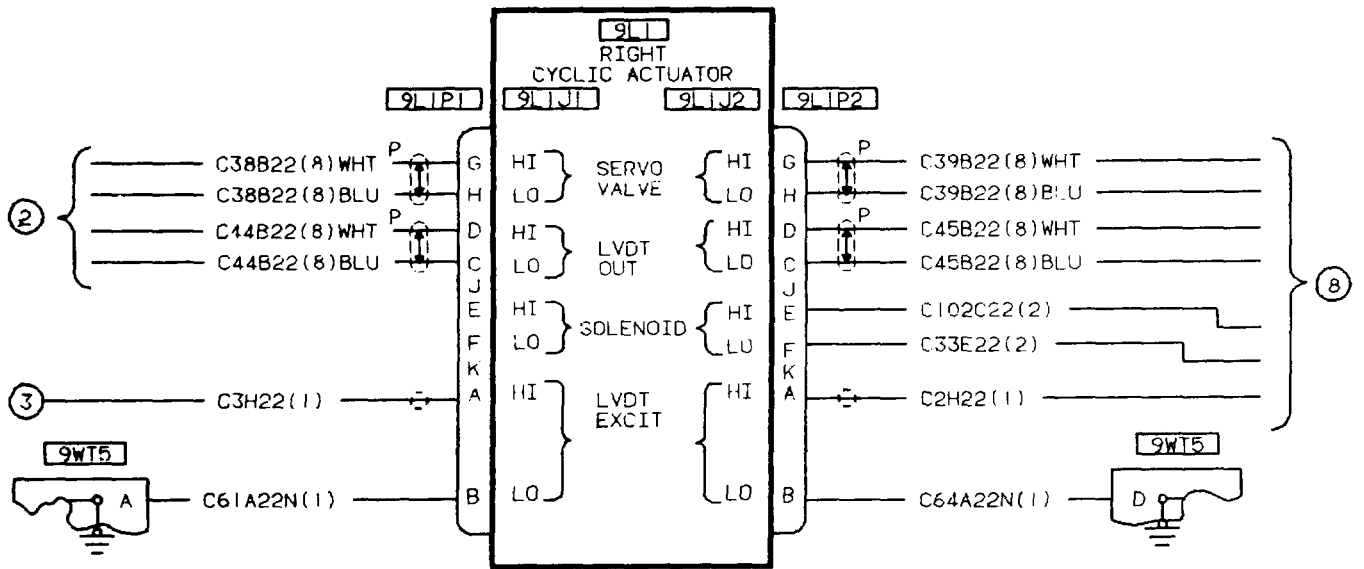
214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)

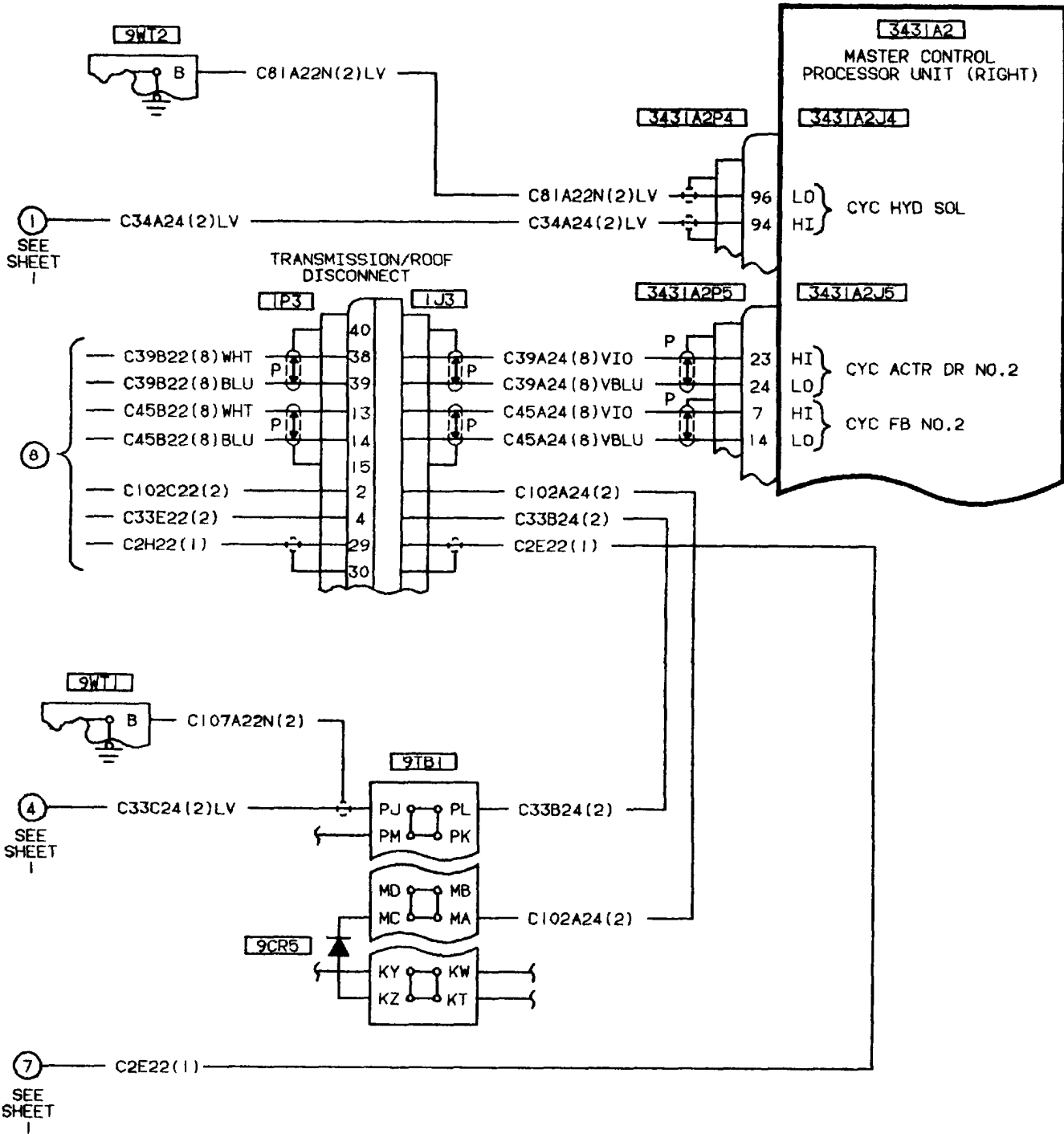


214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)



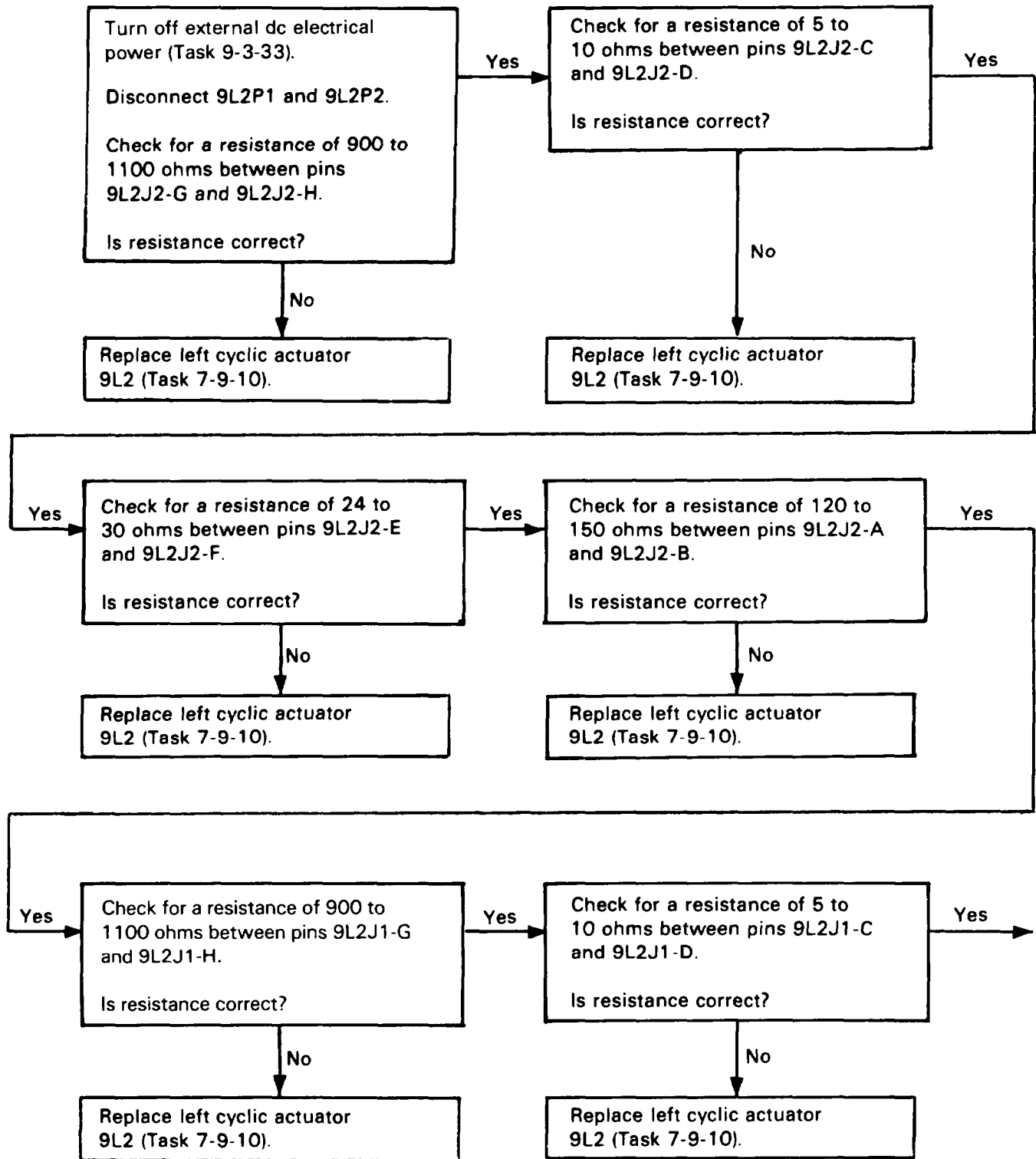
406475-469-2
G7132

214. ERROR CODE 0080 WORD 1 RIGHT CYCLIC ACTUATOR FAIL (CONT)

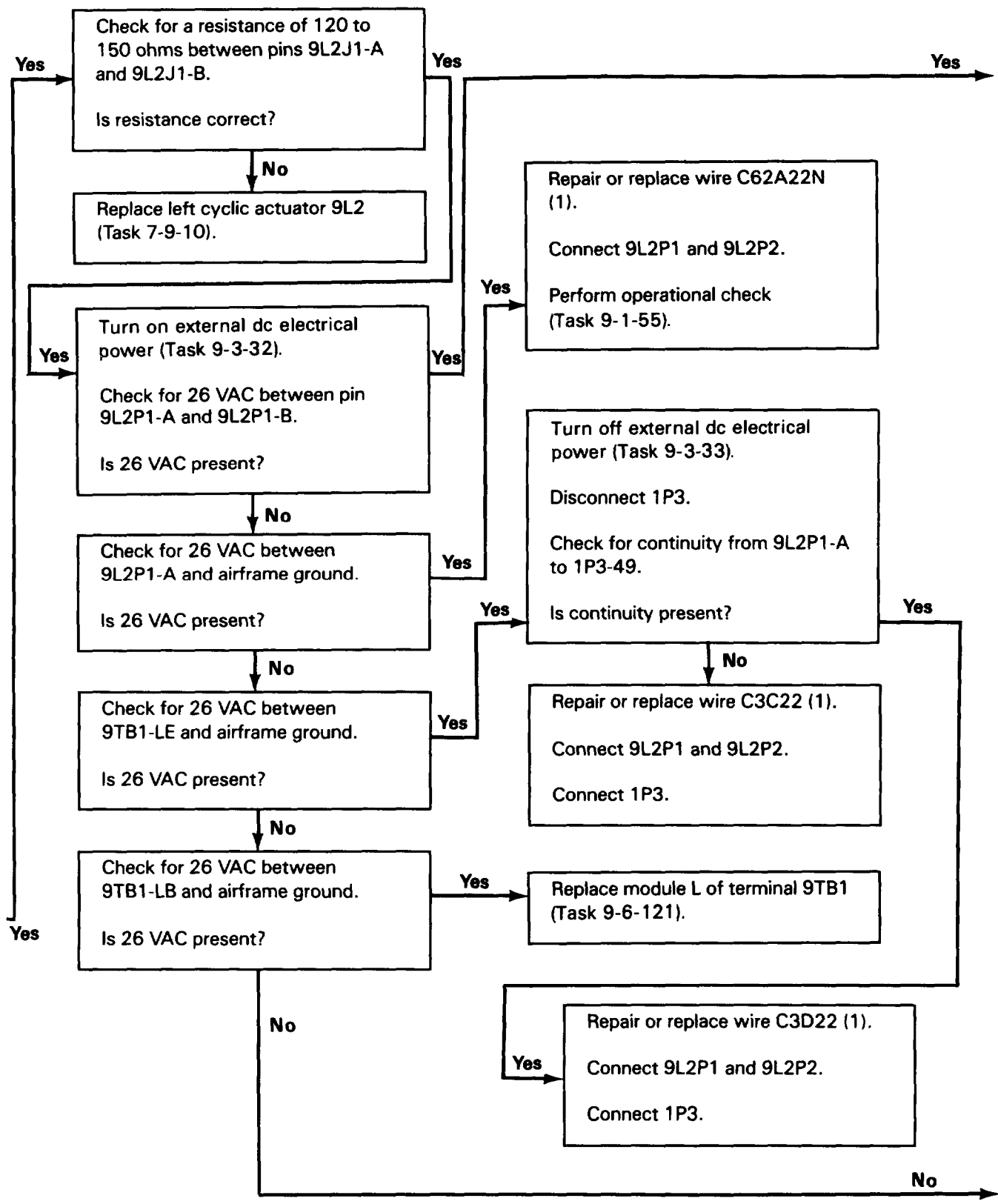


406475-469-3
H2392

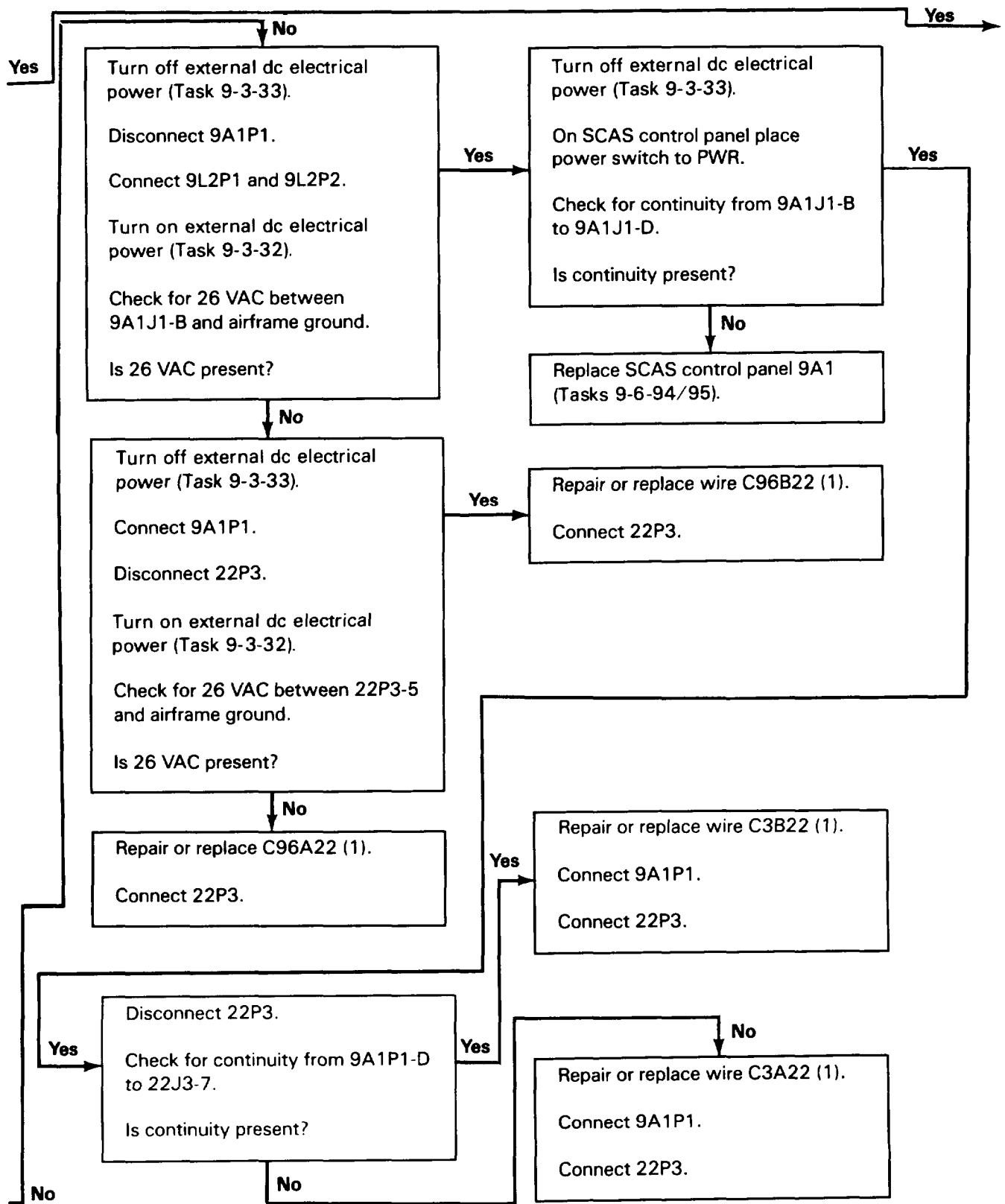
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL



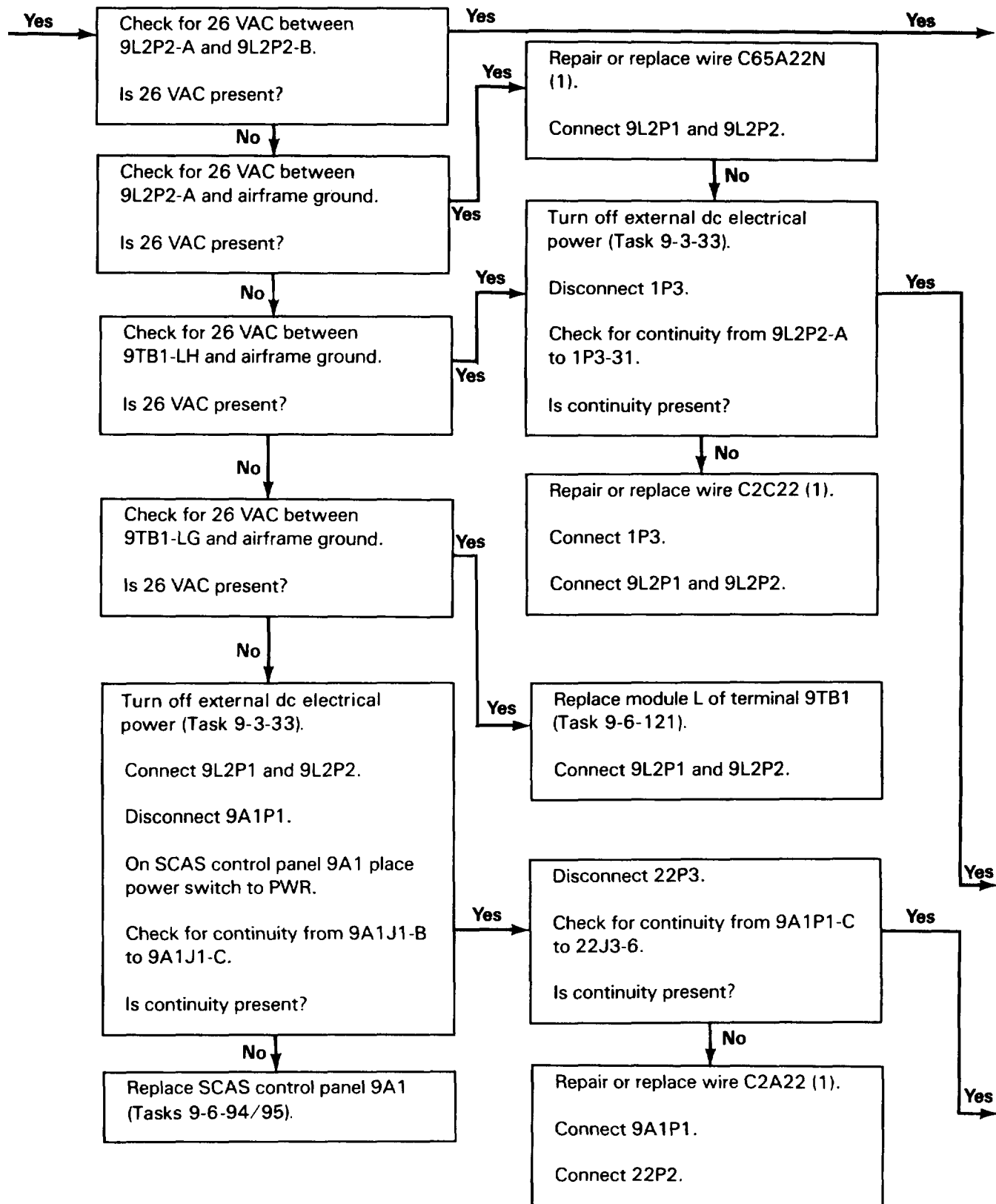
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



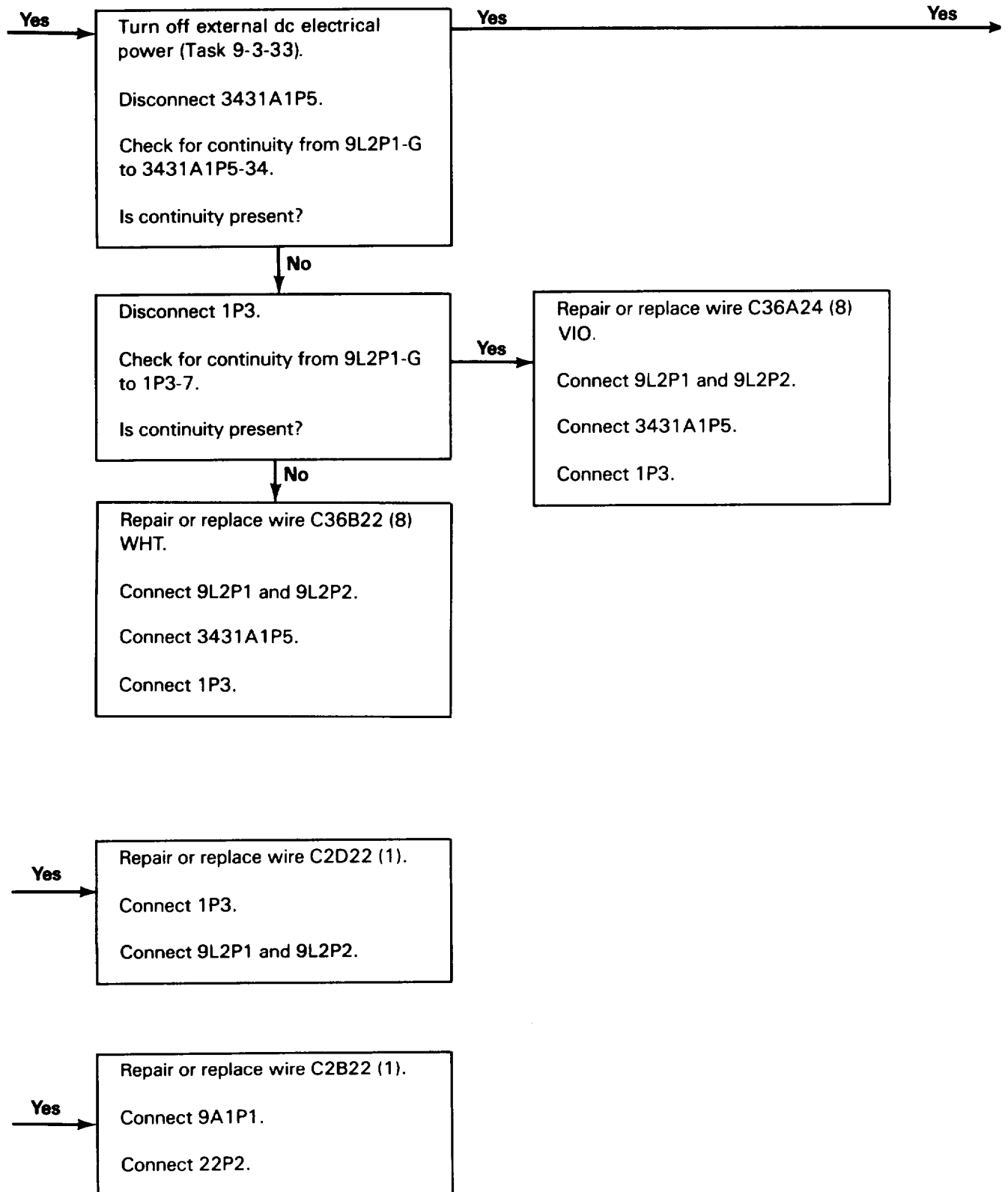
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



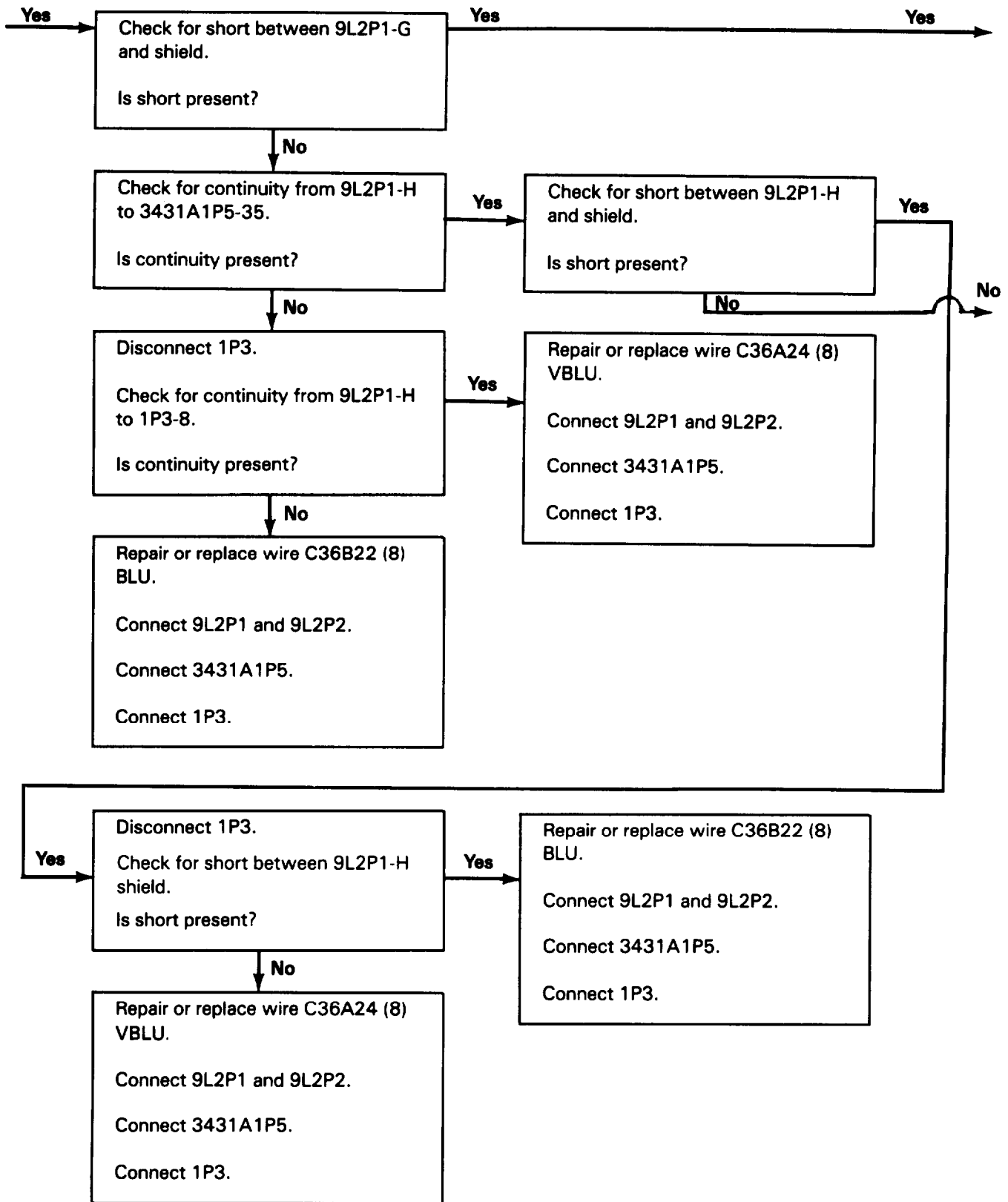
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



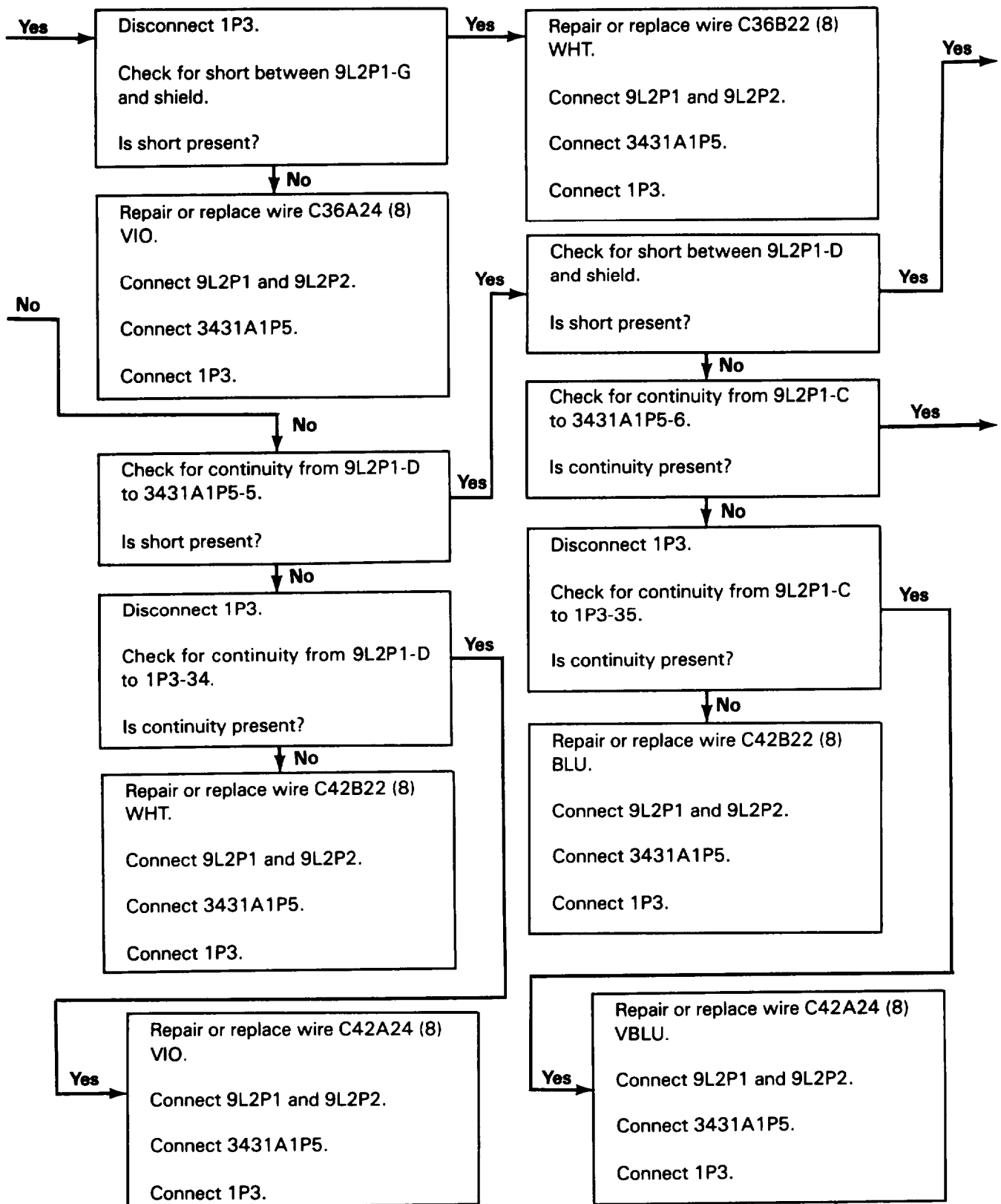
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



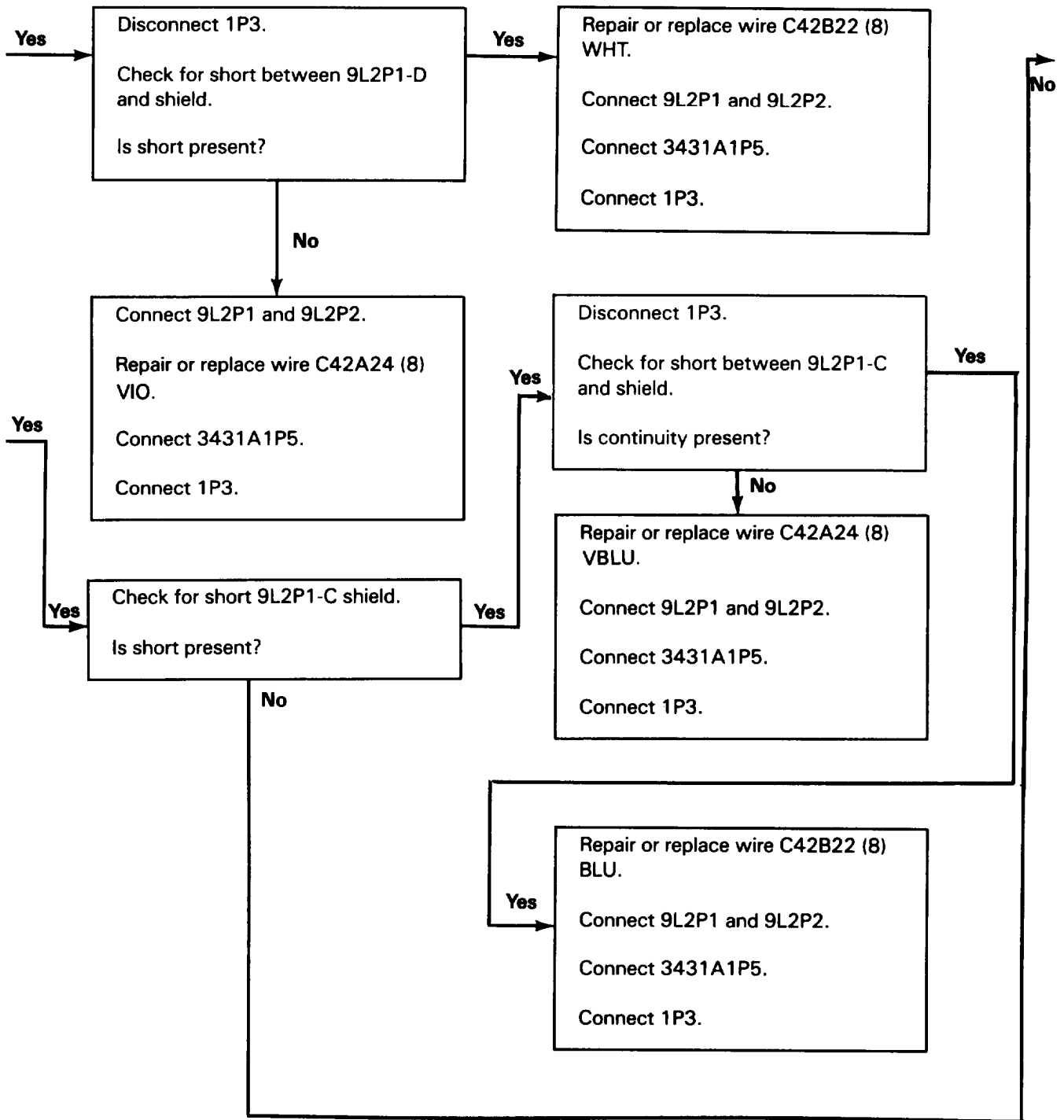
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



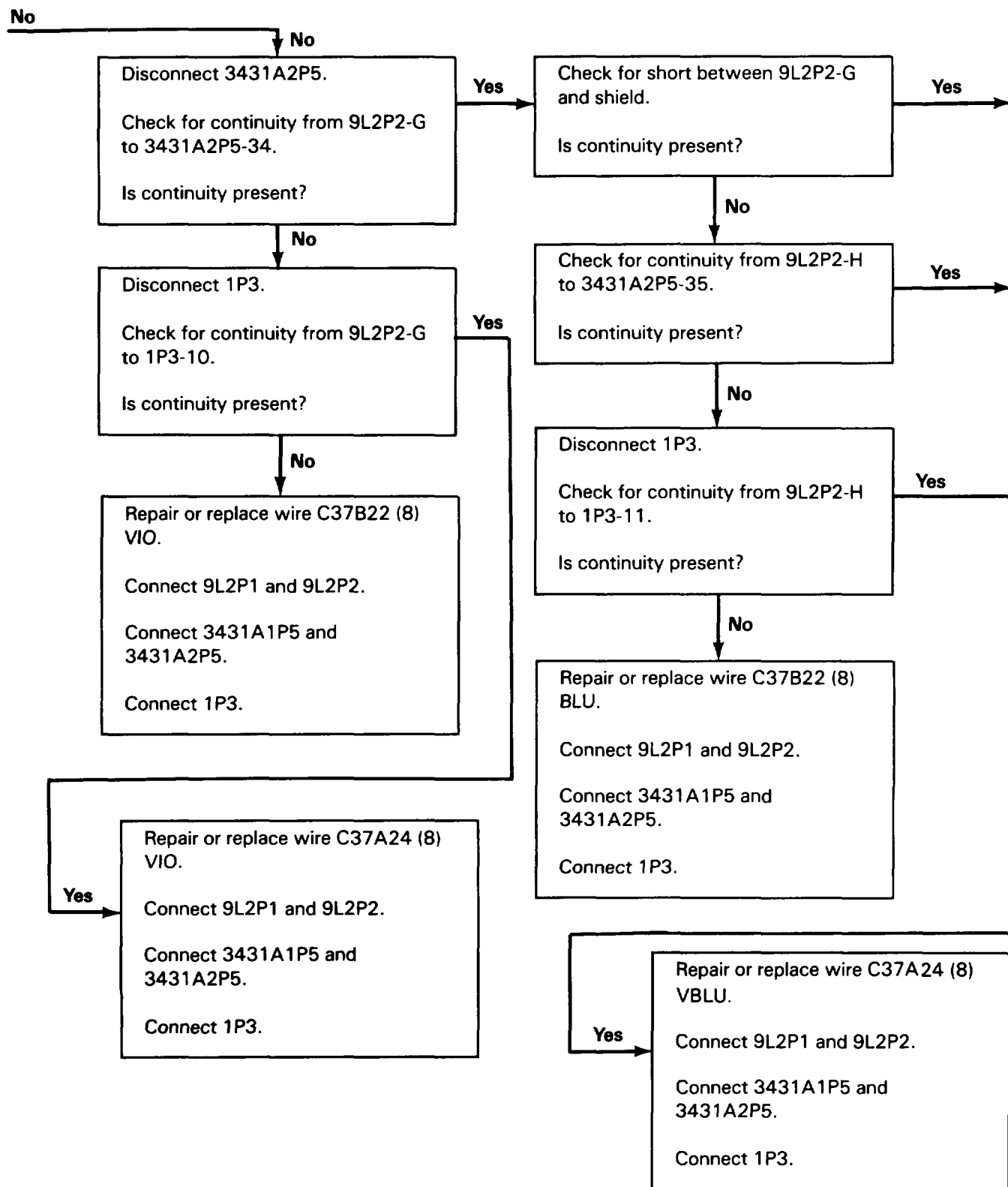
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



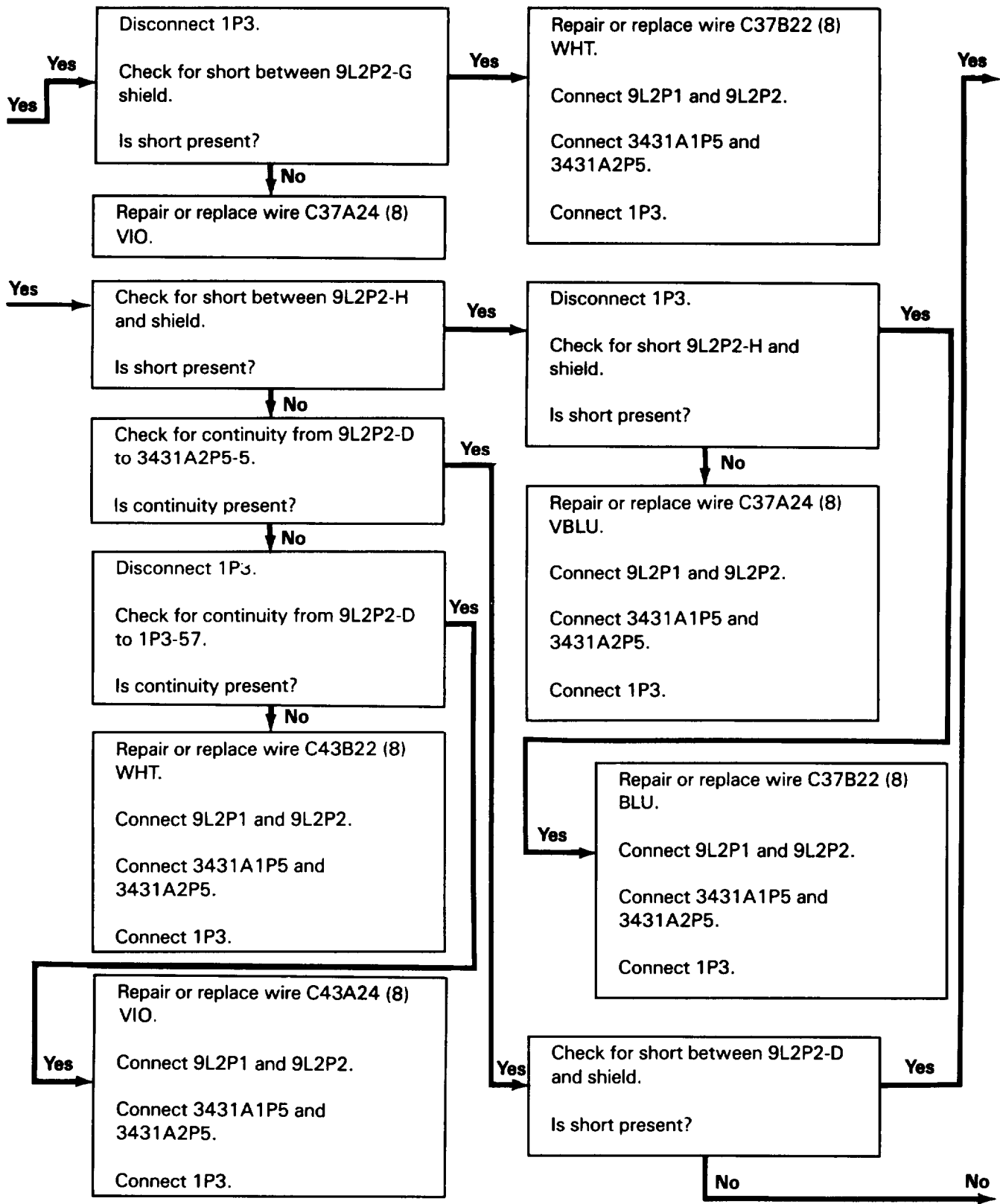
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



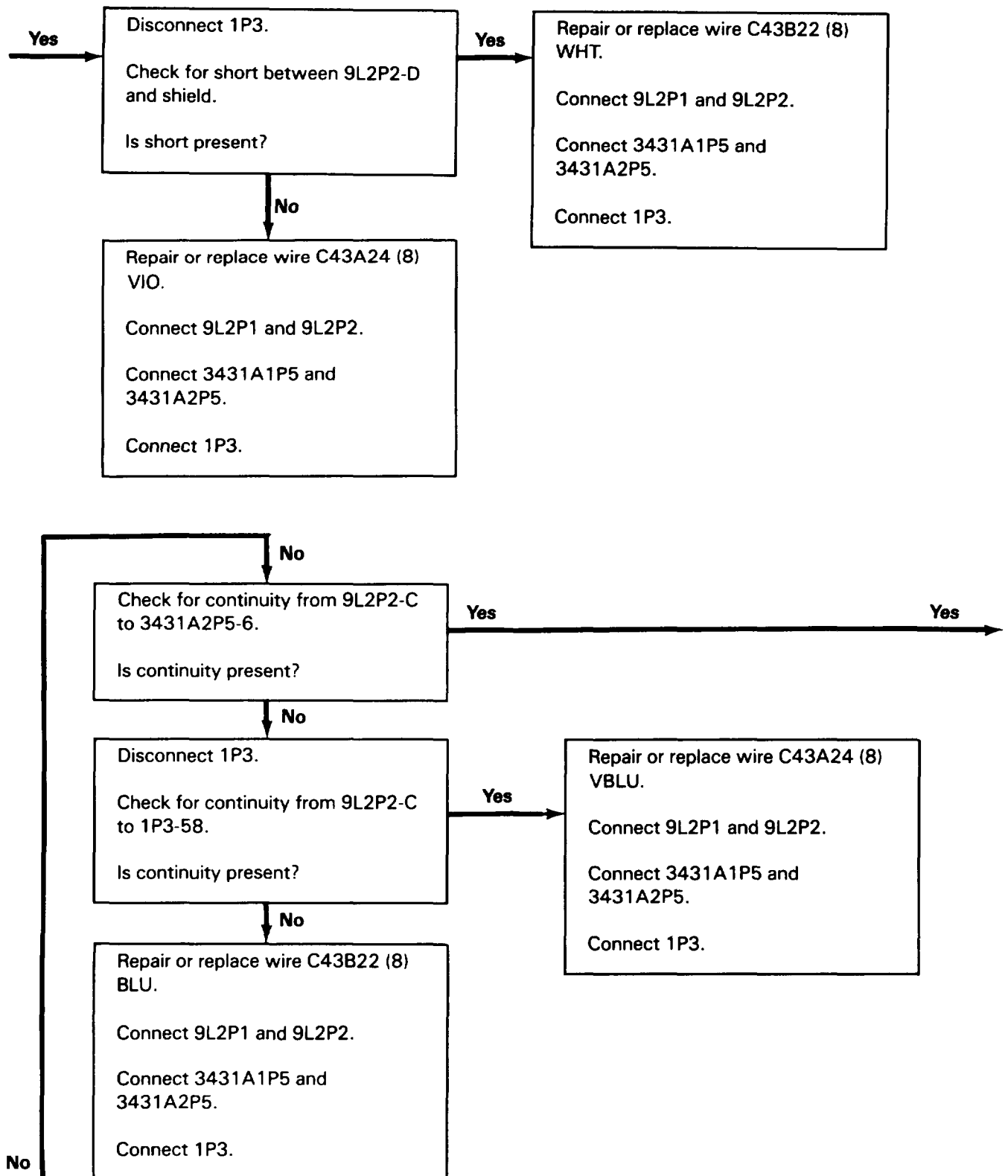
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



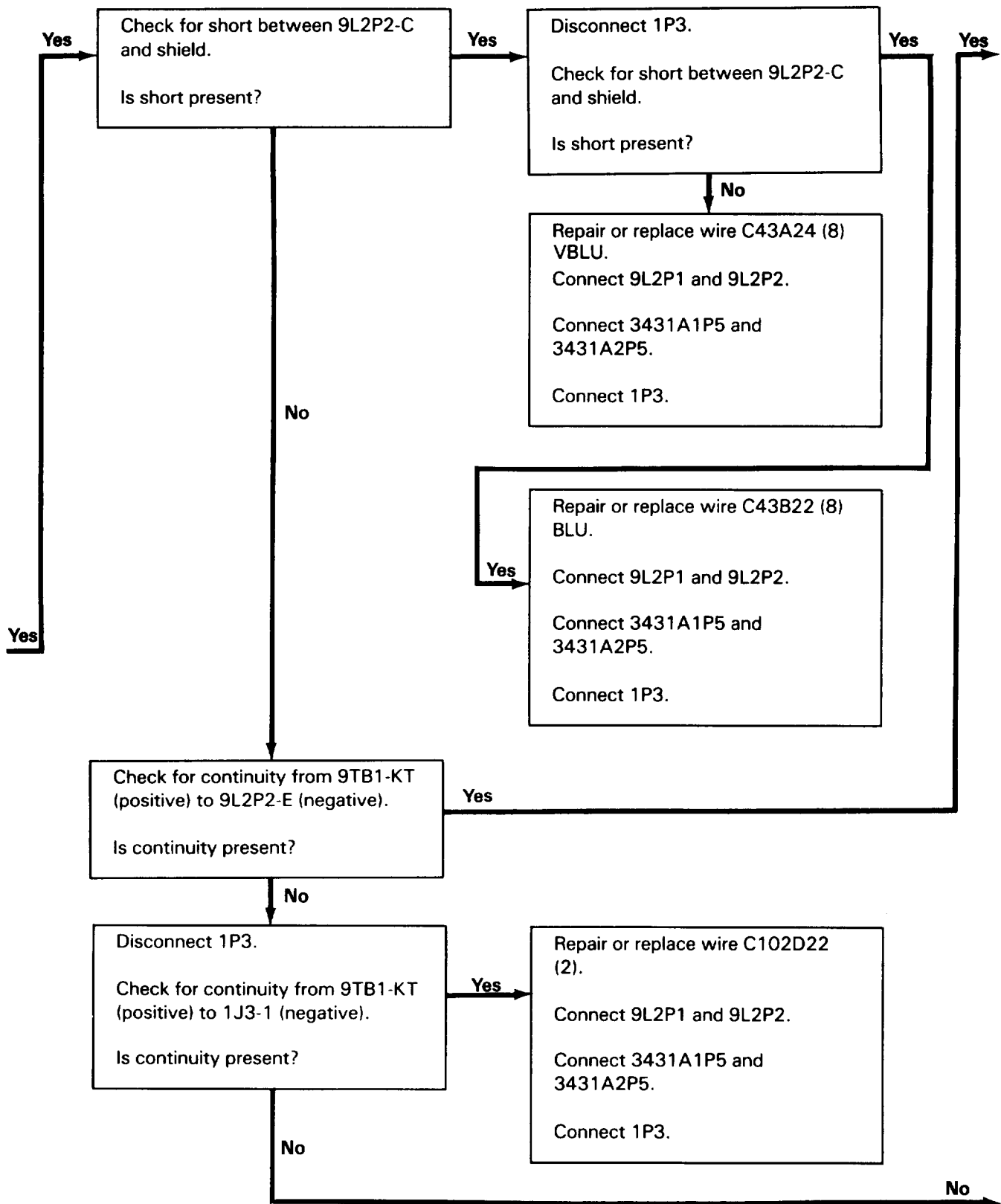
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



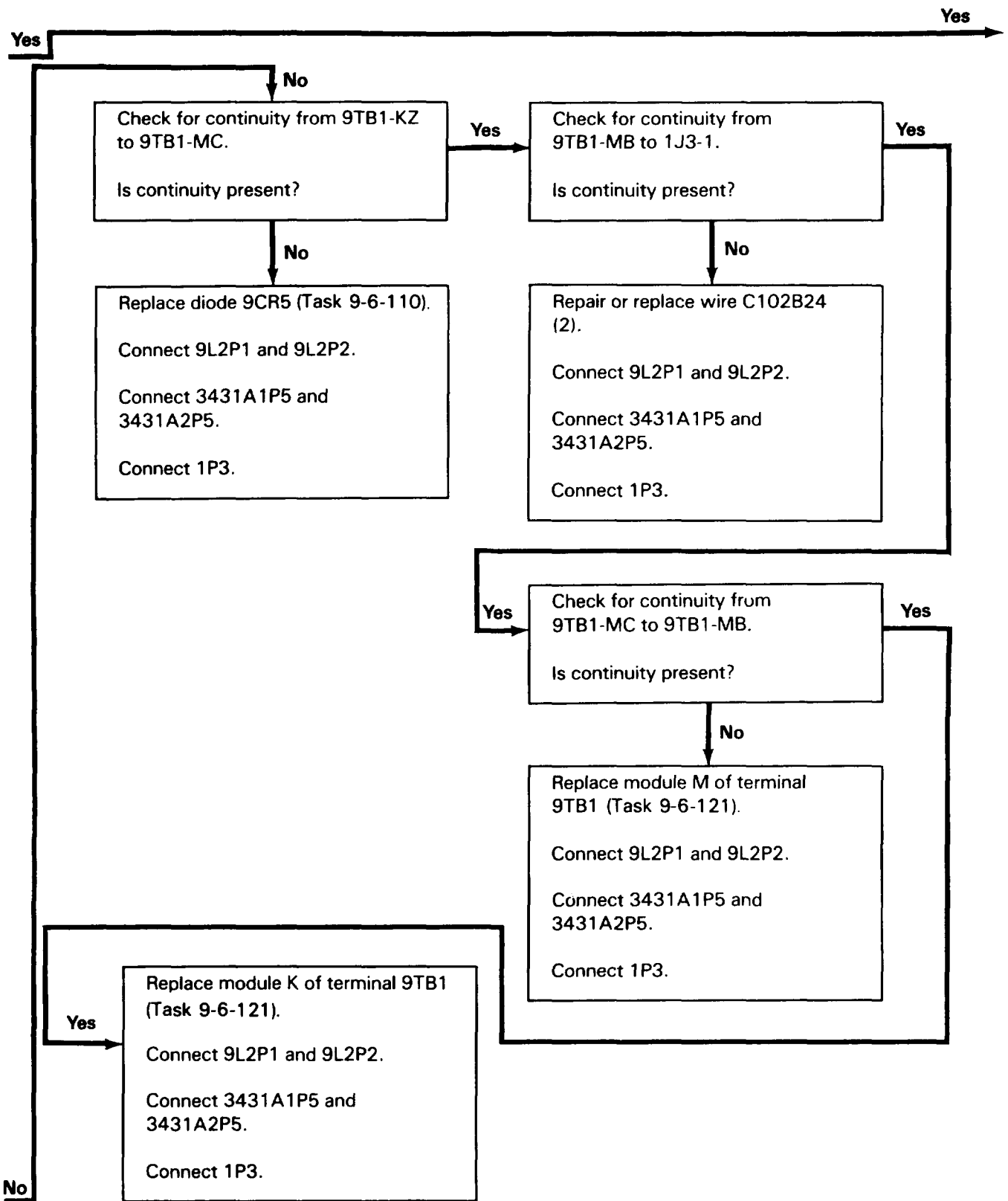
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



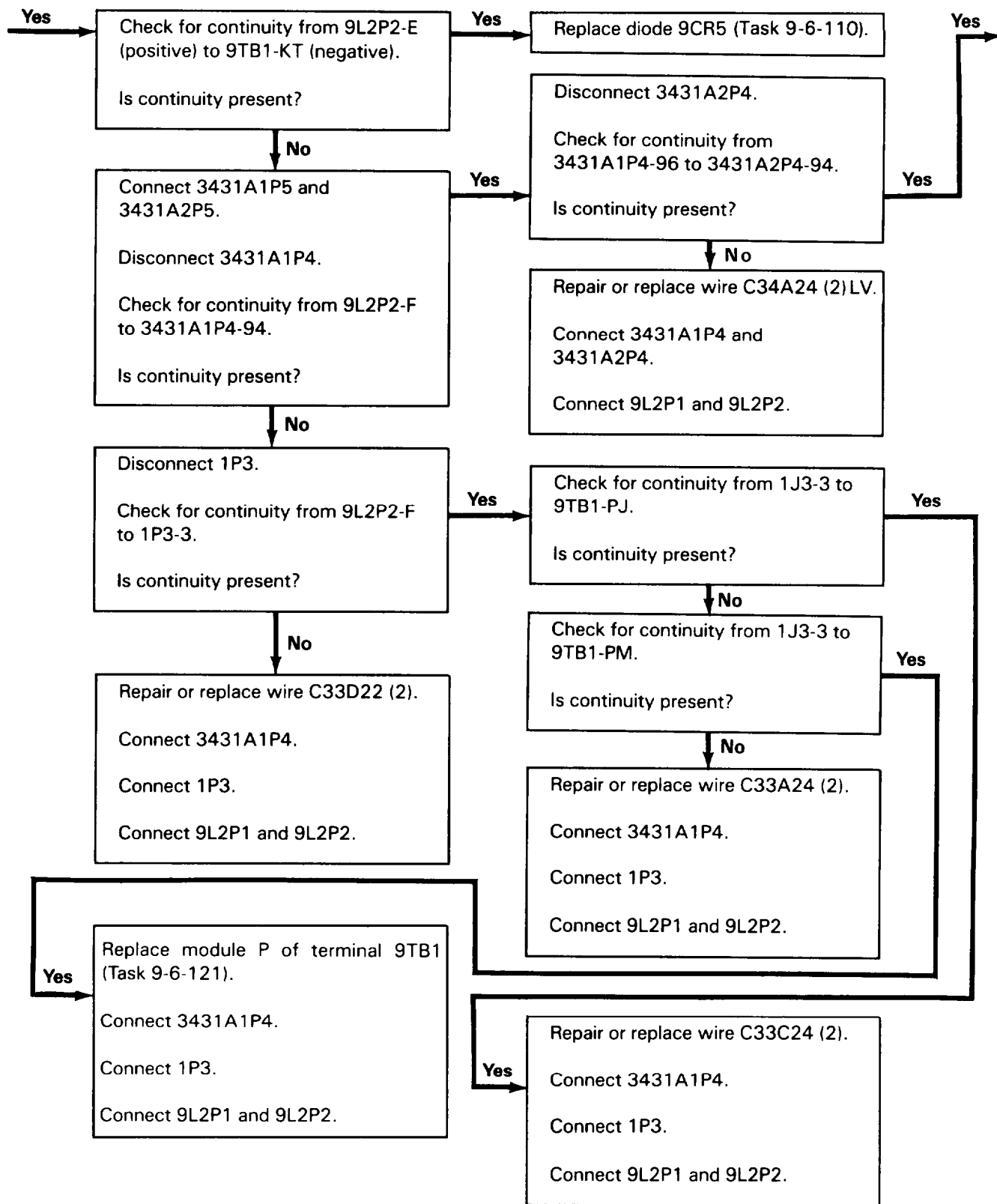
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



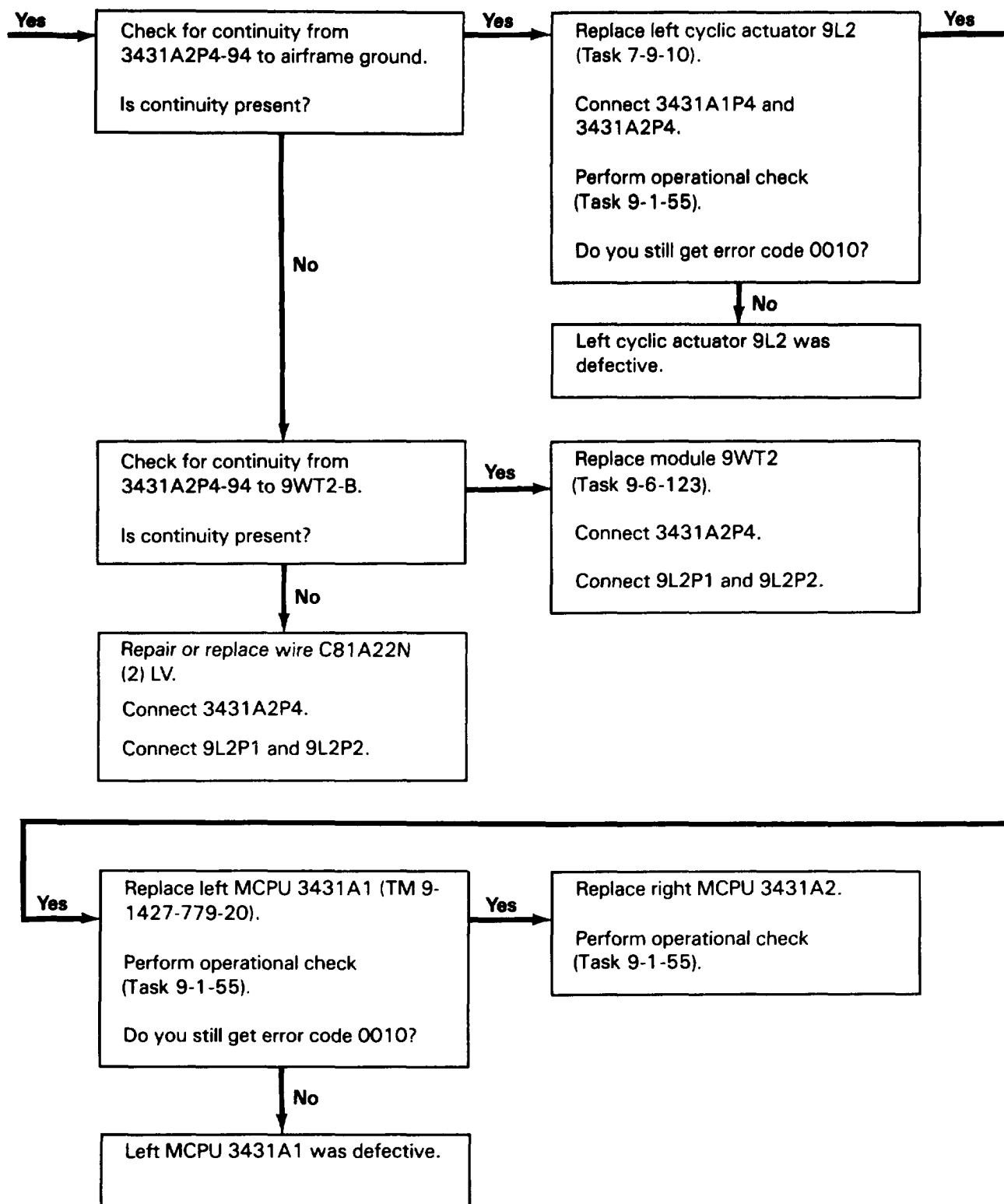
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



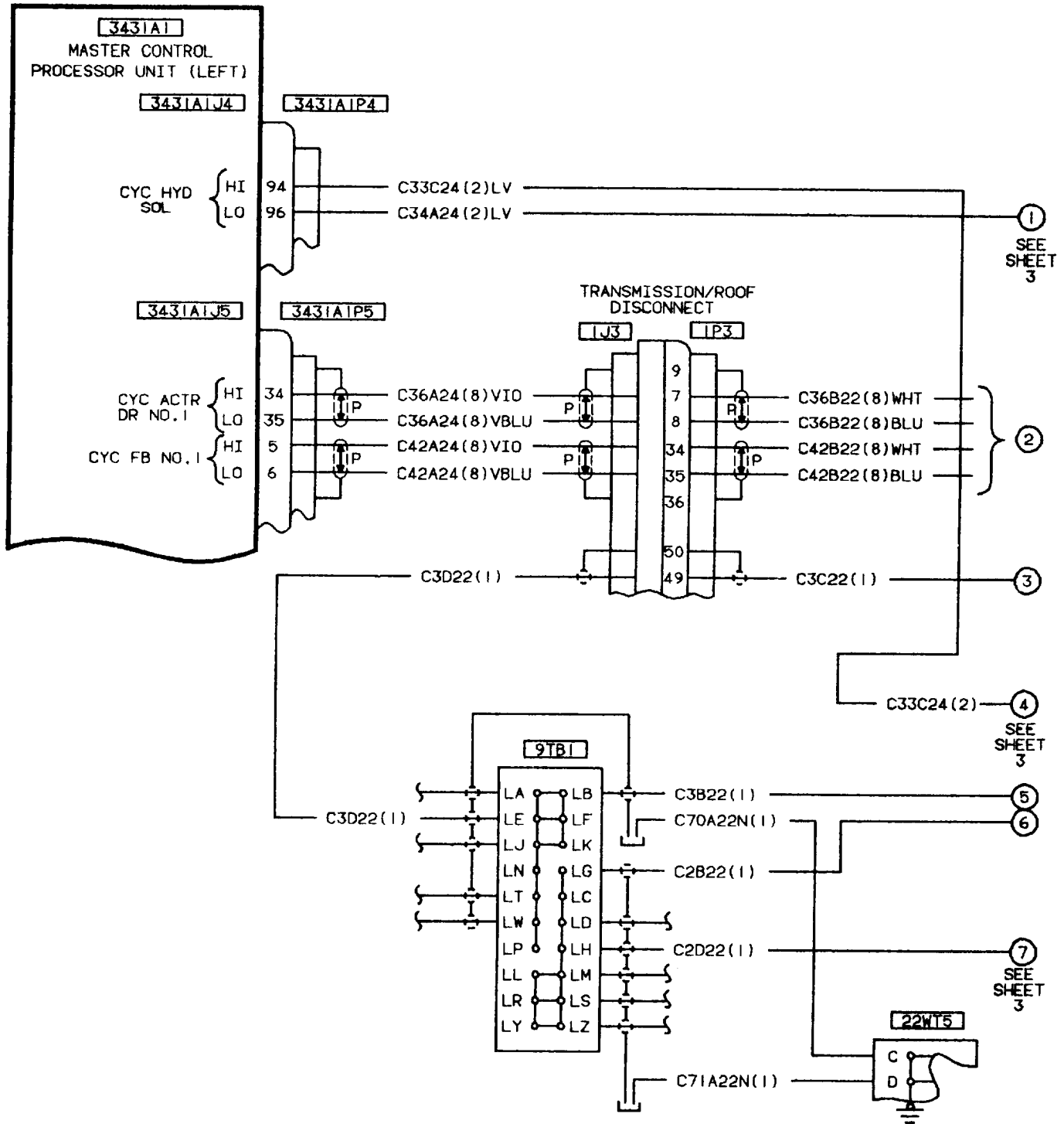
215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)



215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)

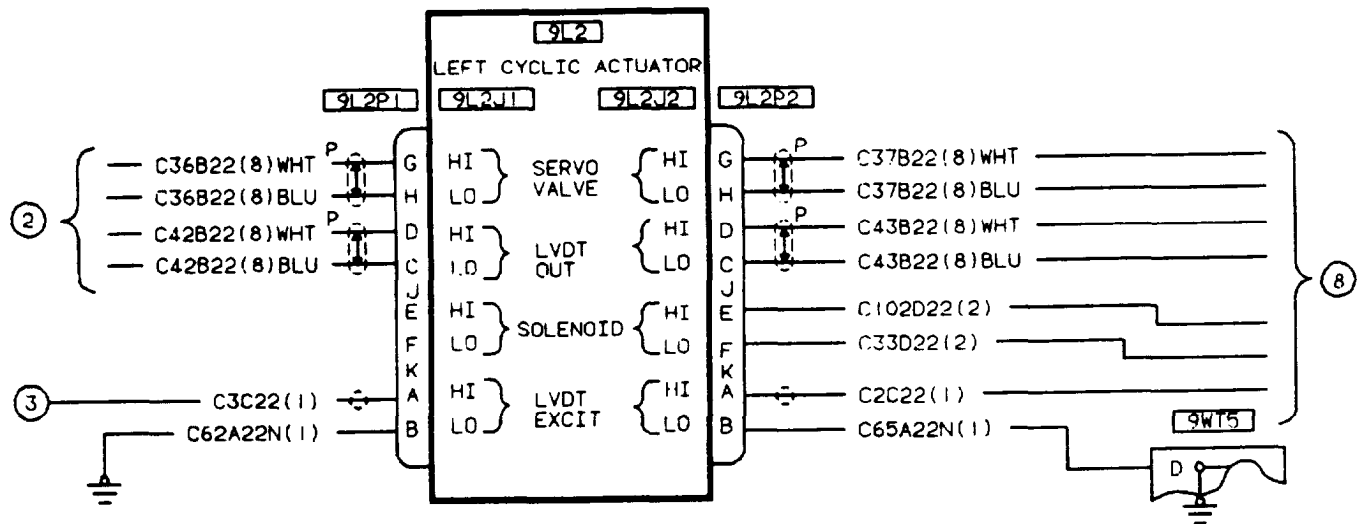


215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)

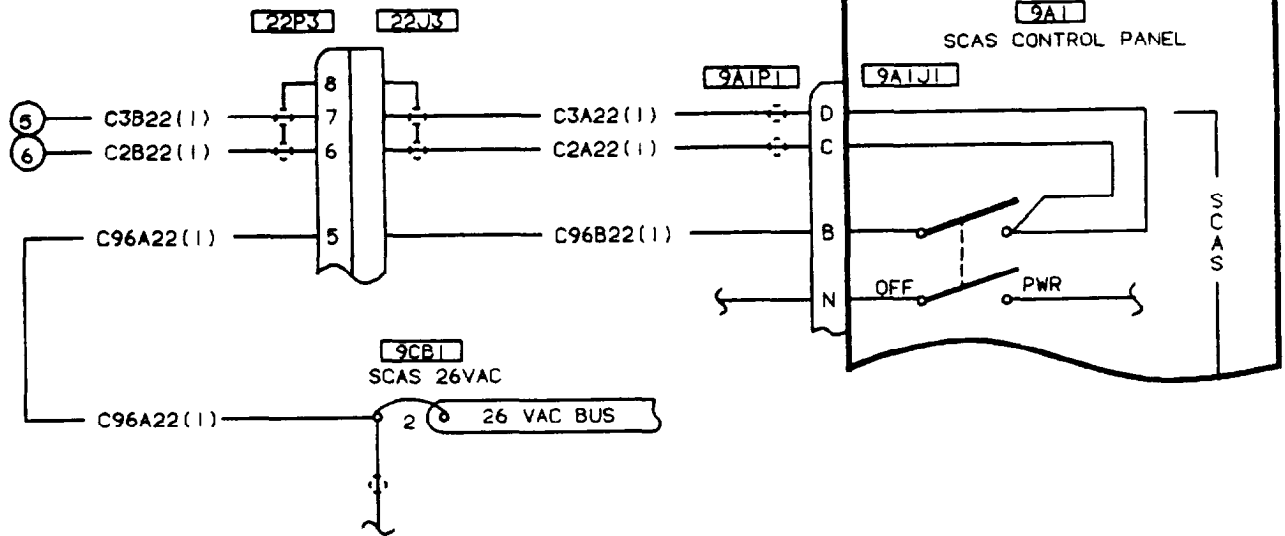


406475-470-1
H2392

215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)

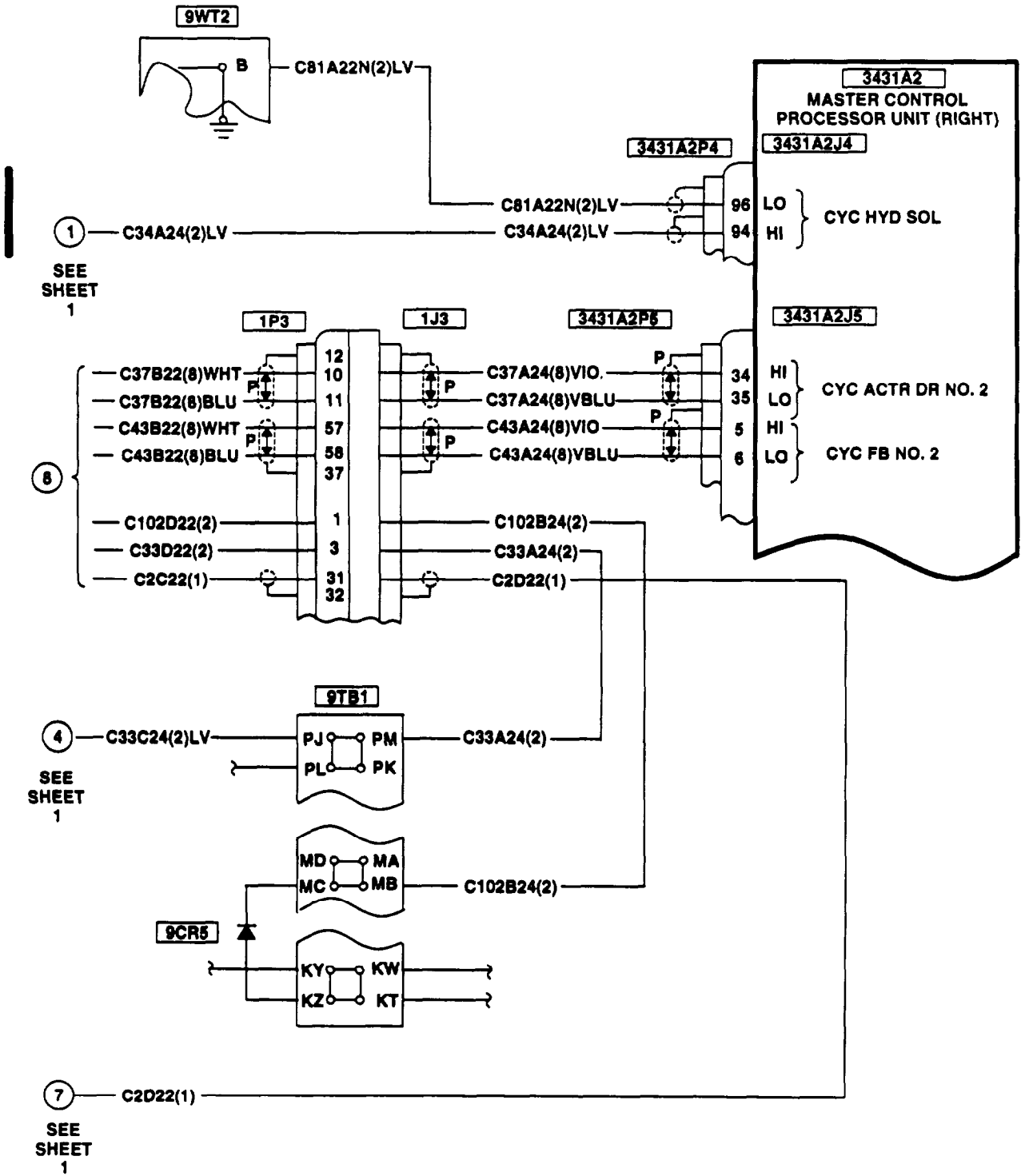


WINDSHIELD POST DISCONNECT



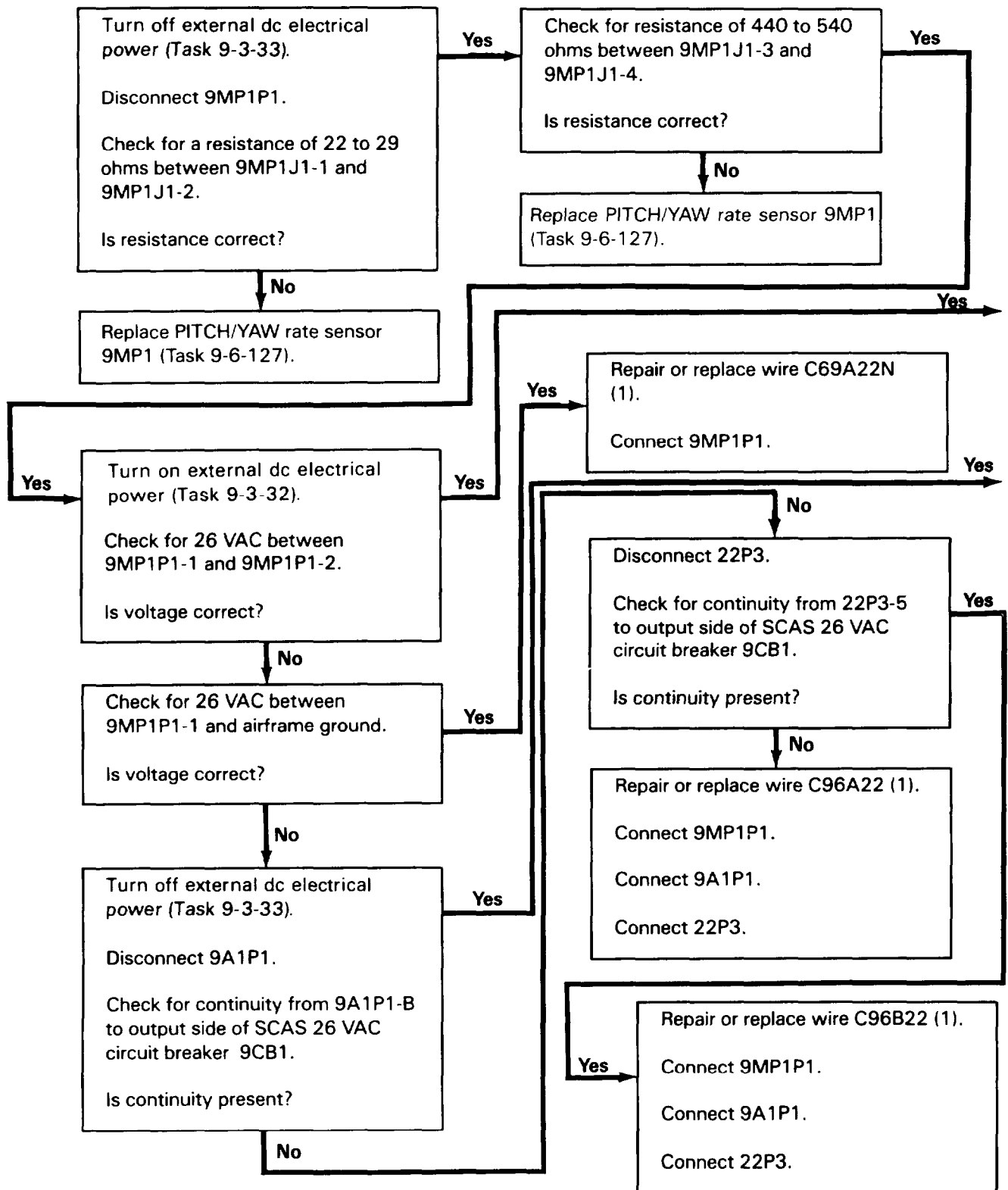
406475-470-2
G7132

215. ERROR CODE 0010 WORD 1 LEFT CYCLIC ACTUATOR FAIL (CONT)

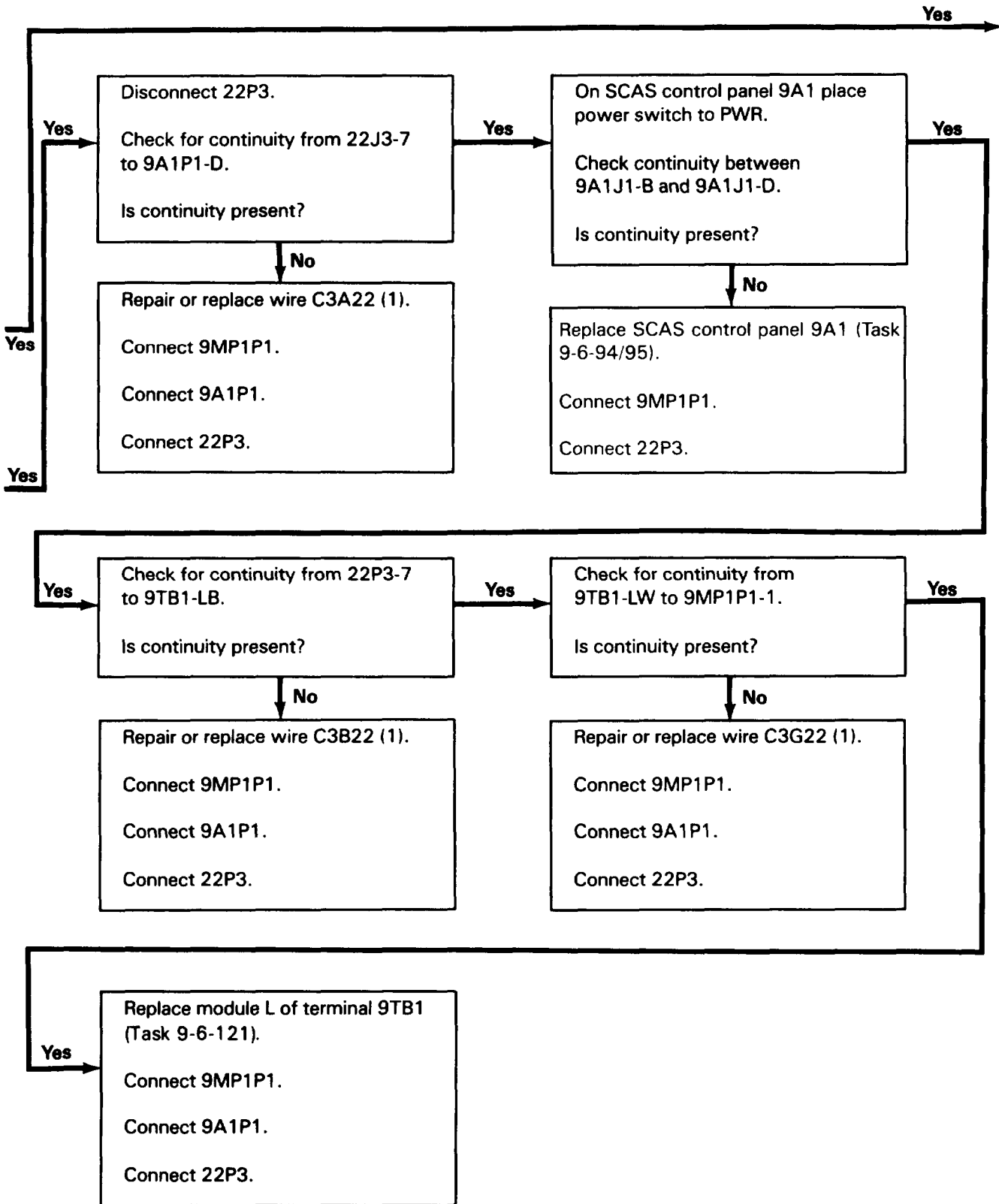


406475-470-3
J0482

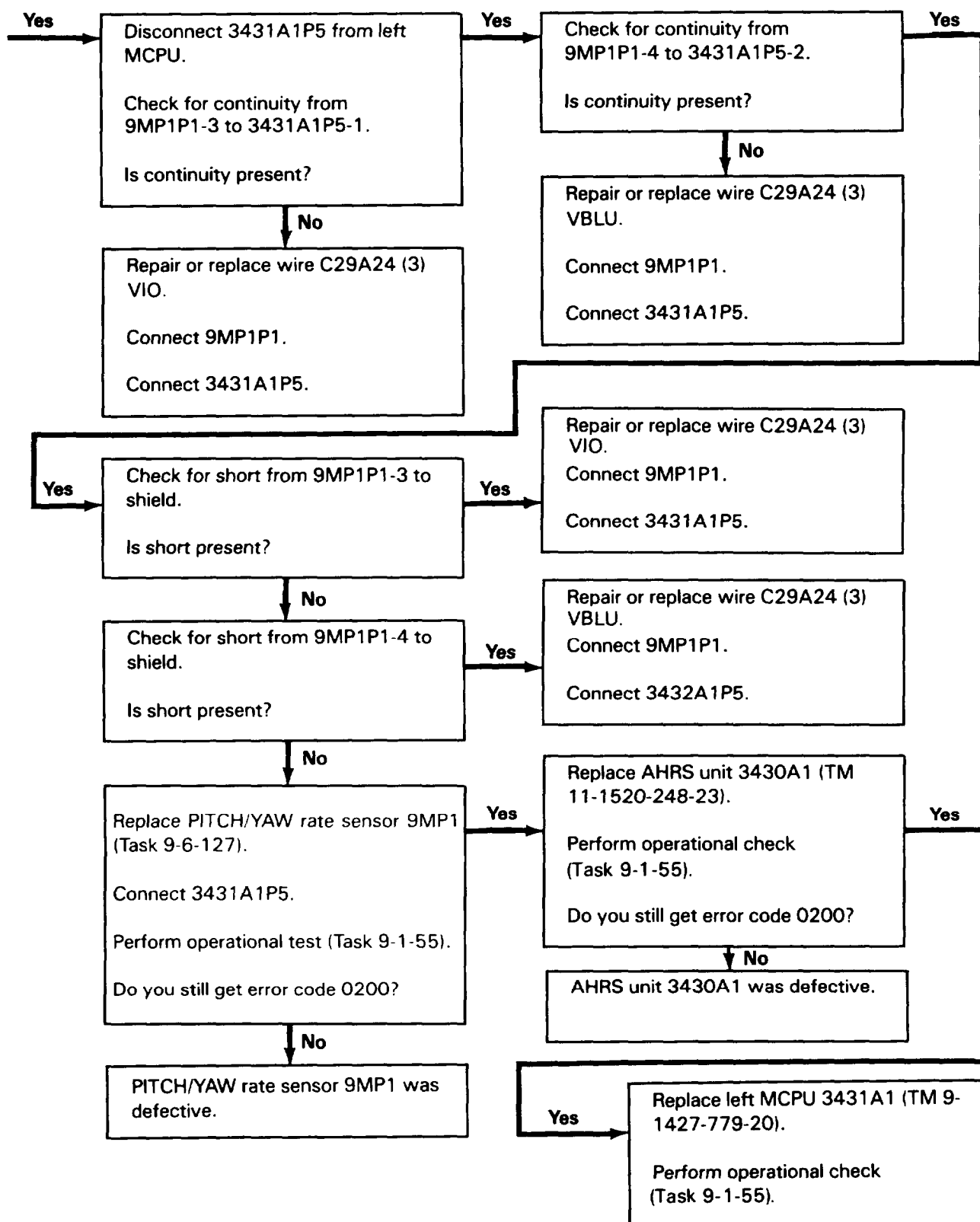
216. ERROR CODE 0200 WORD 1 PITCH RATE SENSOR FAILURE



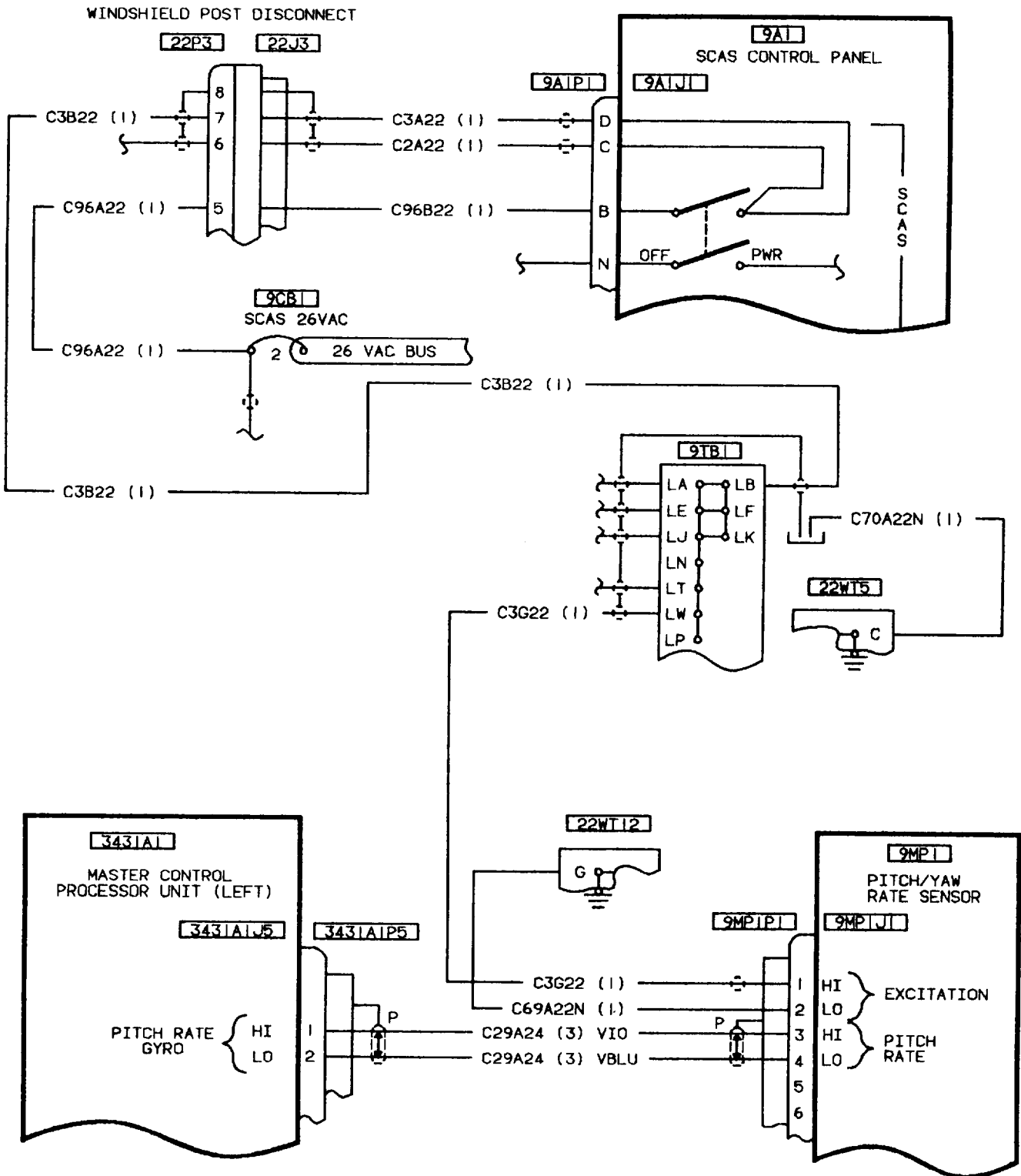
216. ERROR CODE 0200 WORD 1 PITCH RATE SENSOR FAILURE (CONT)



216, ERROR CODE 0200 WORD 1 PITCH RATE SENSOR FAILURE (CONT)

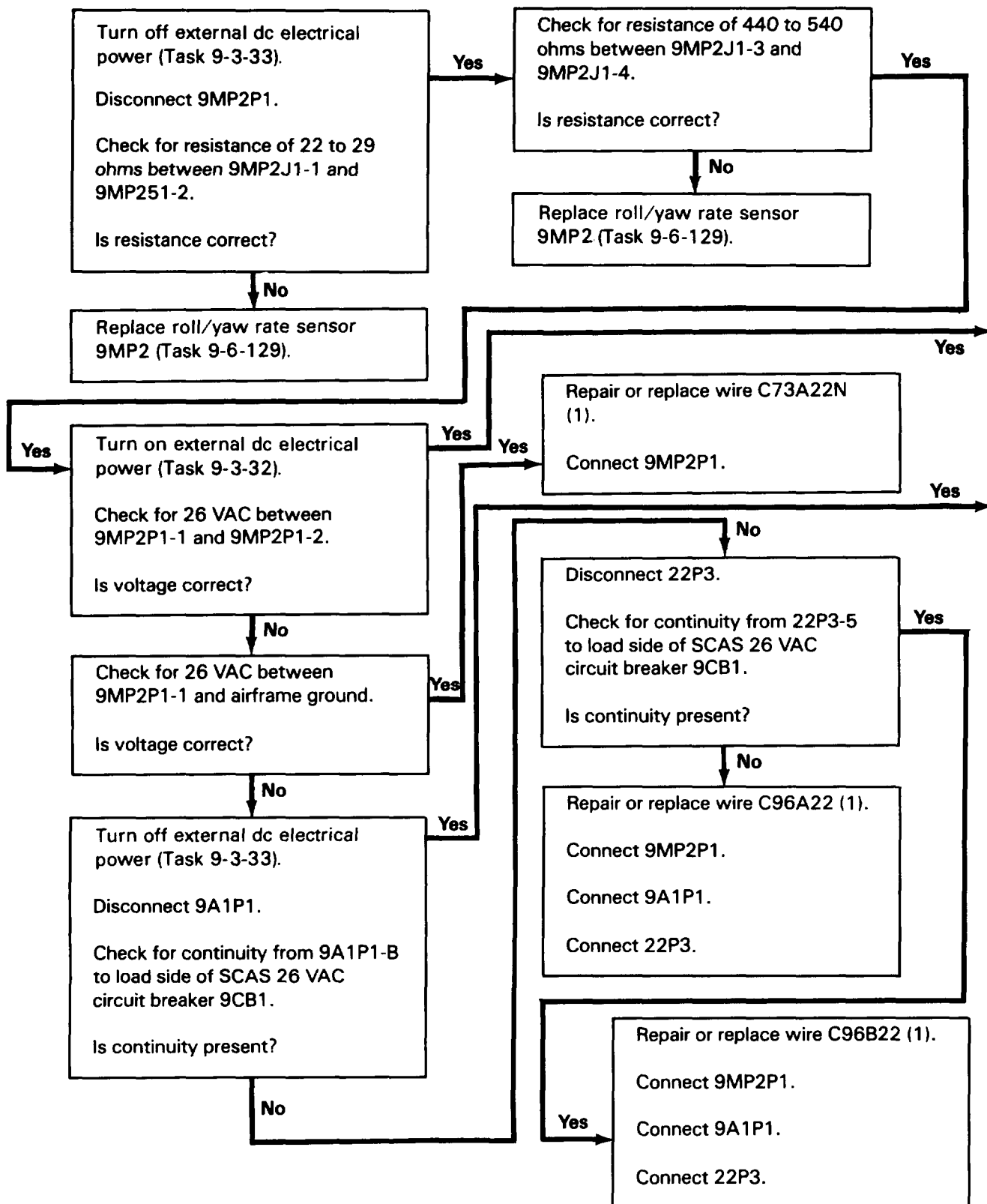


216. ERROR CODE 0200 WORD 1 PITCH RATE GYRO FAILURE (CONT)

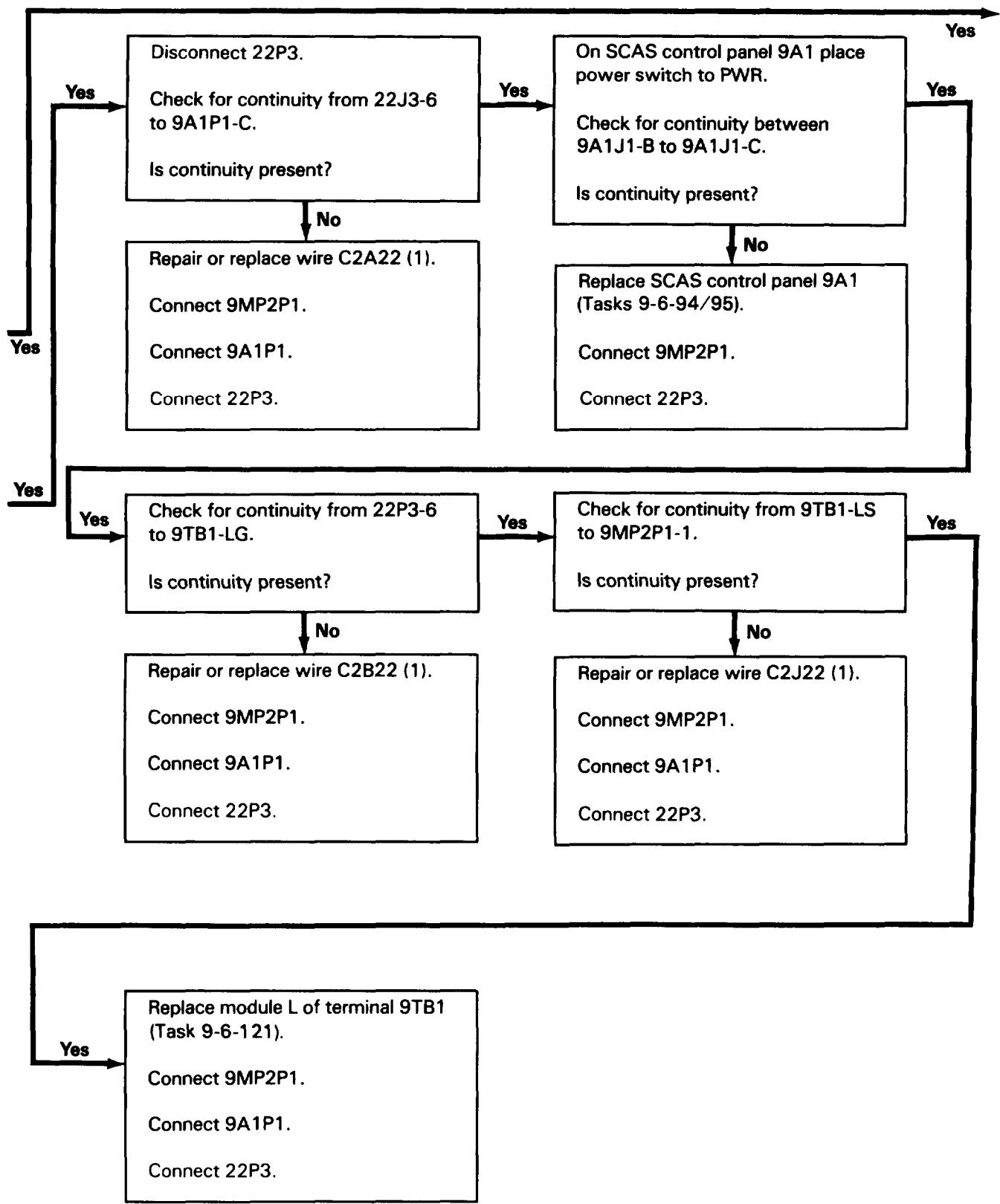


406475-471
67132

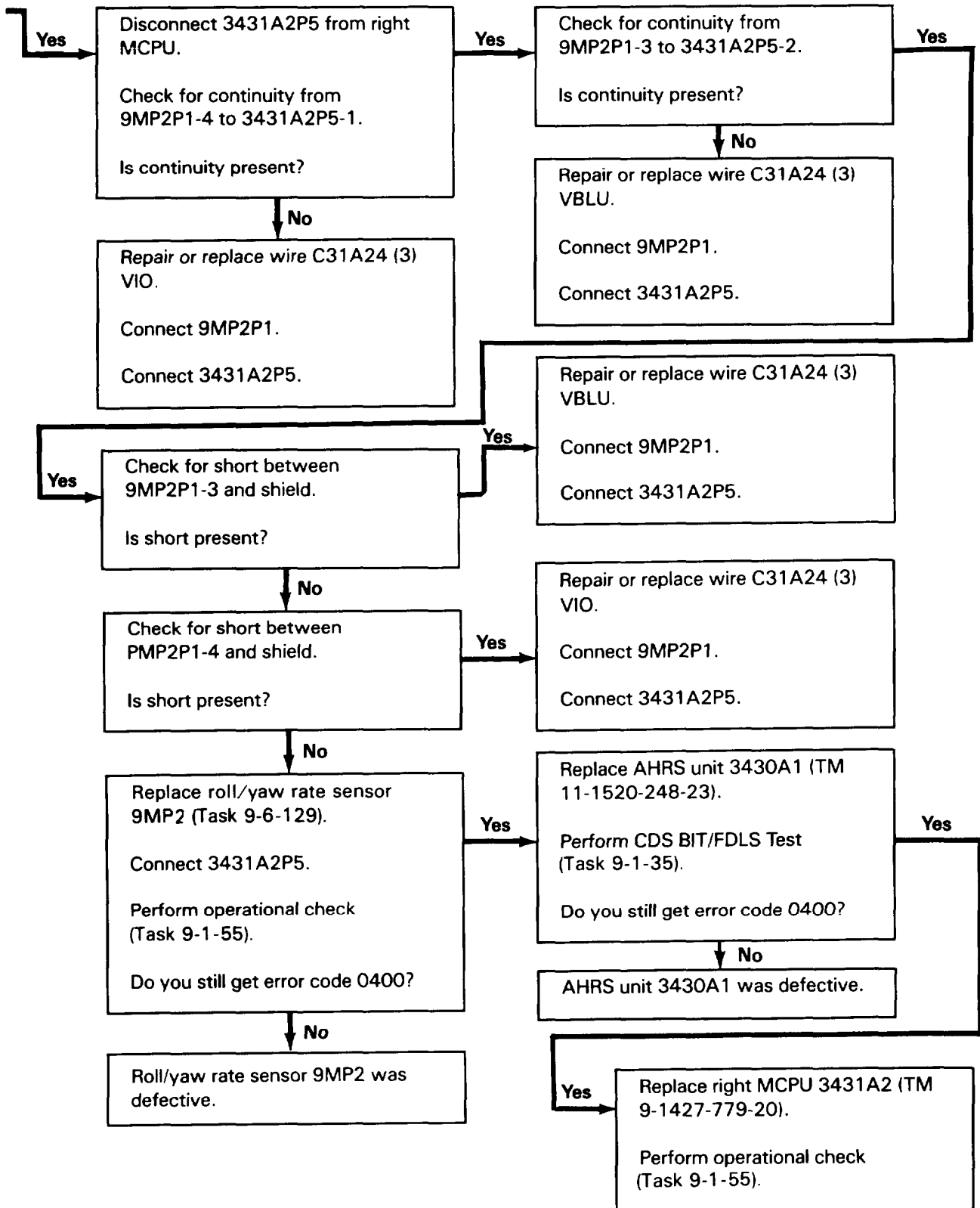
217. ERROR CODE 0400 WORD 1 ROLL RATE SENSOR FAILURE



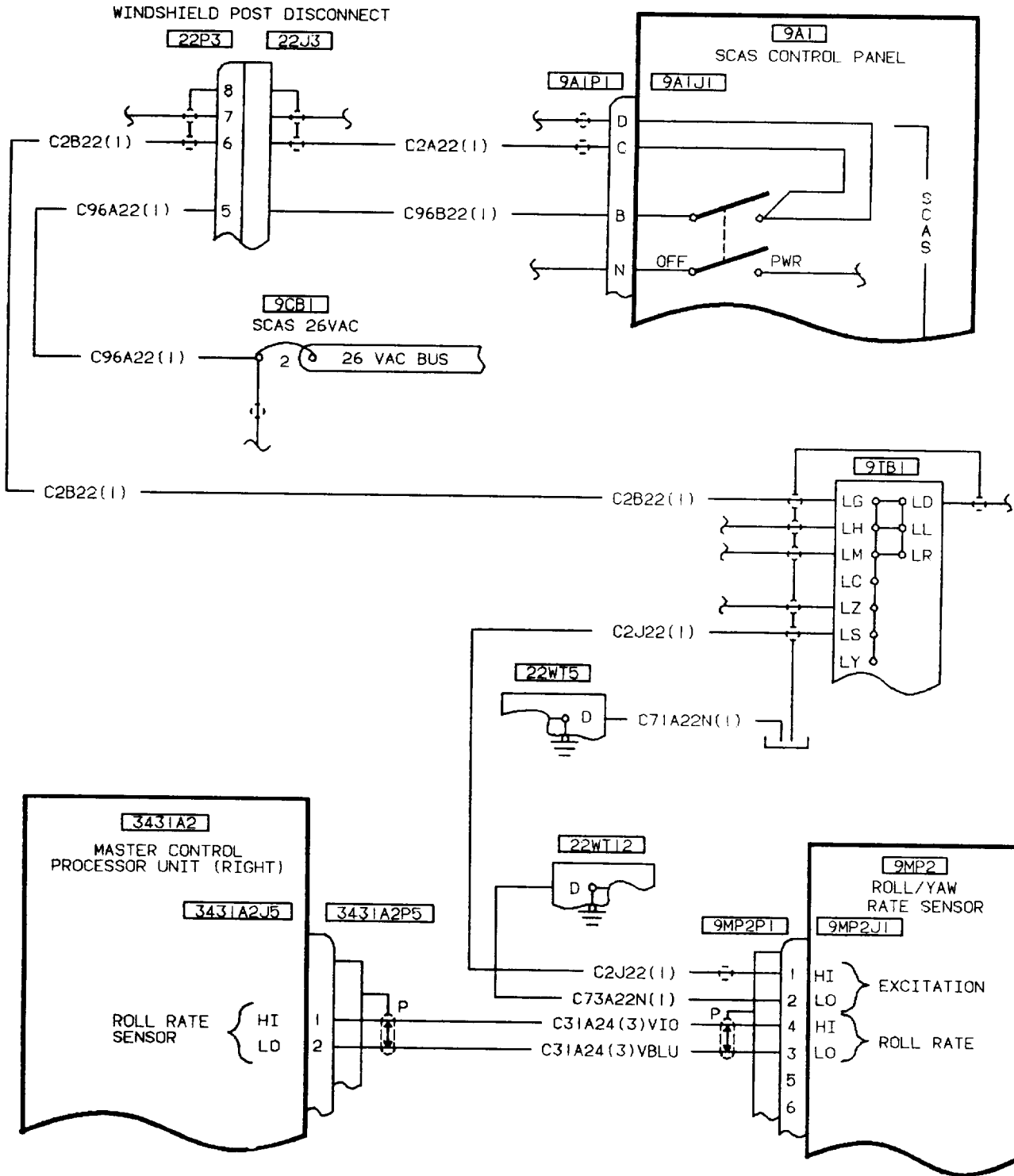
217. ERROR CODE 0400 WORD 1 ROLL RATE SENSOR FAILURE (CONT)



217. ERROR CODE 0400 WORD 1 ROLL RATE SENSOR FAILURE (CONT)

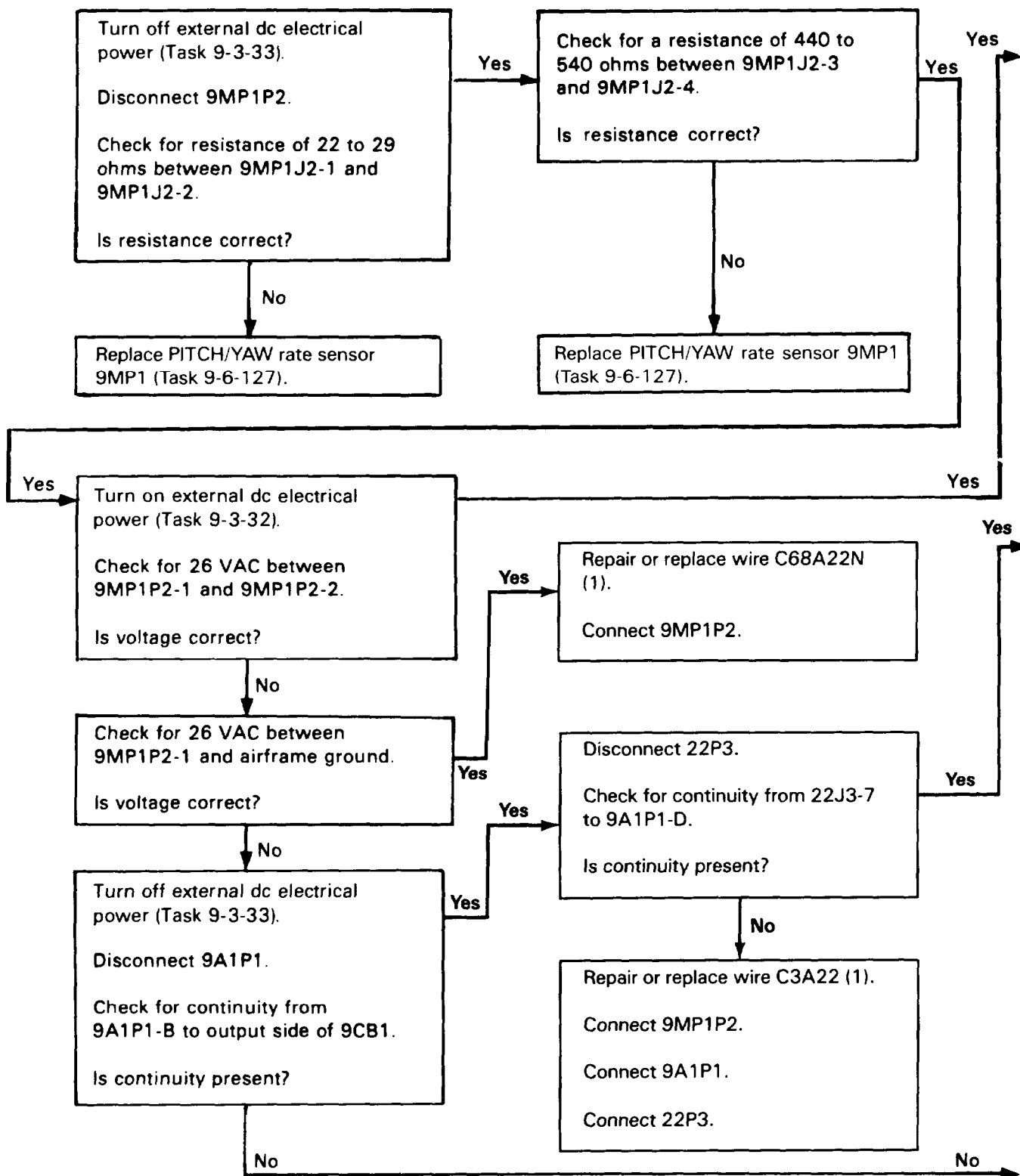


217. ERROR CODE 0400 WORD 1 ROLL RATE SENSOR FAILURE (CONT)

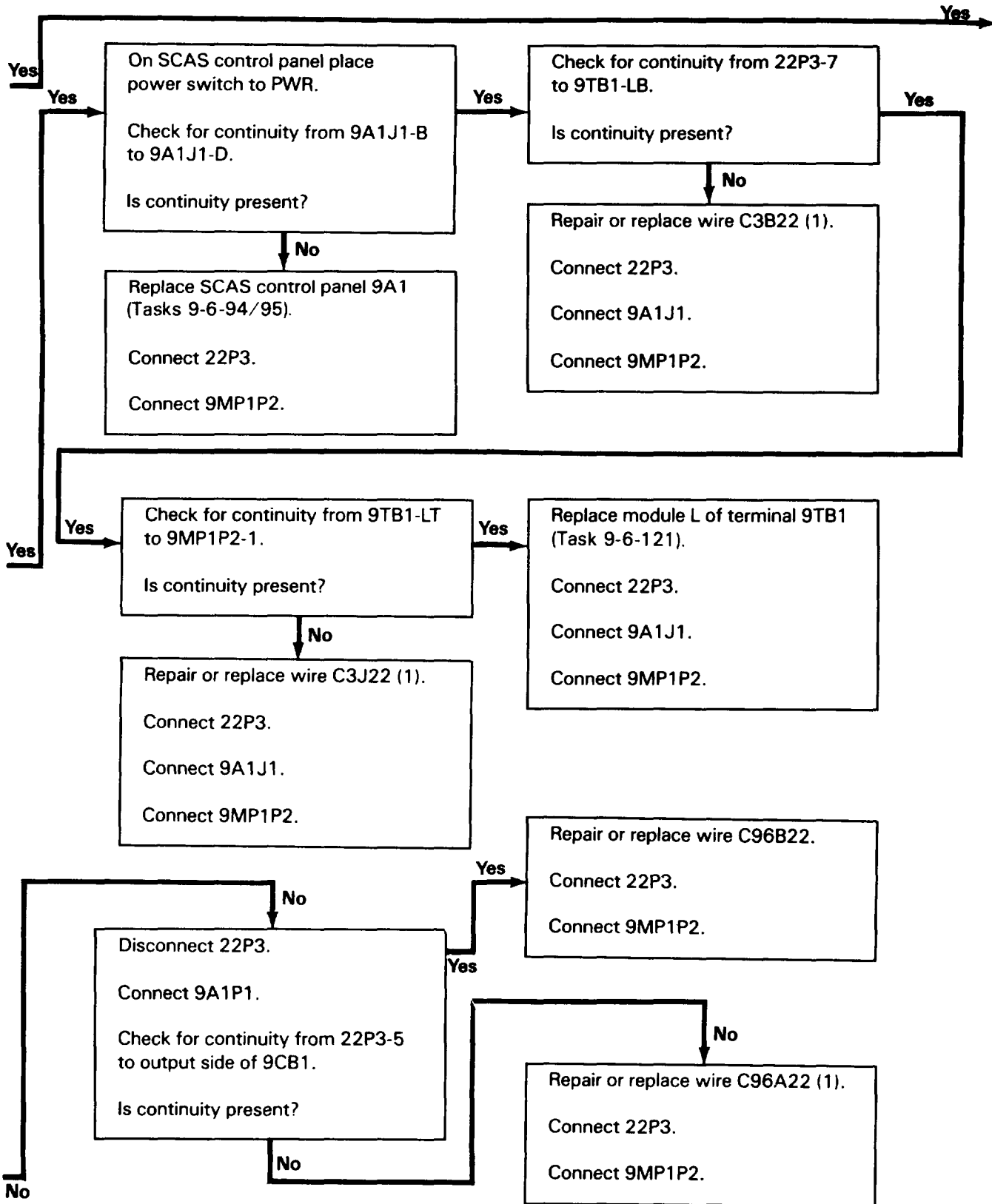


406475-472
G7132

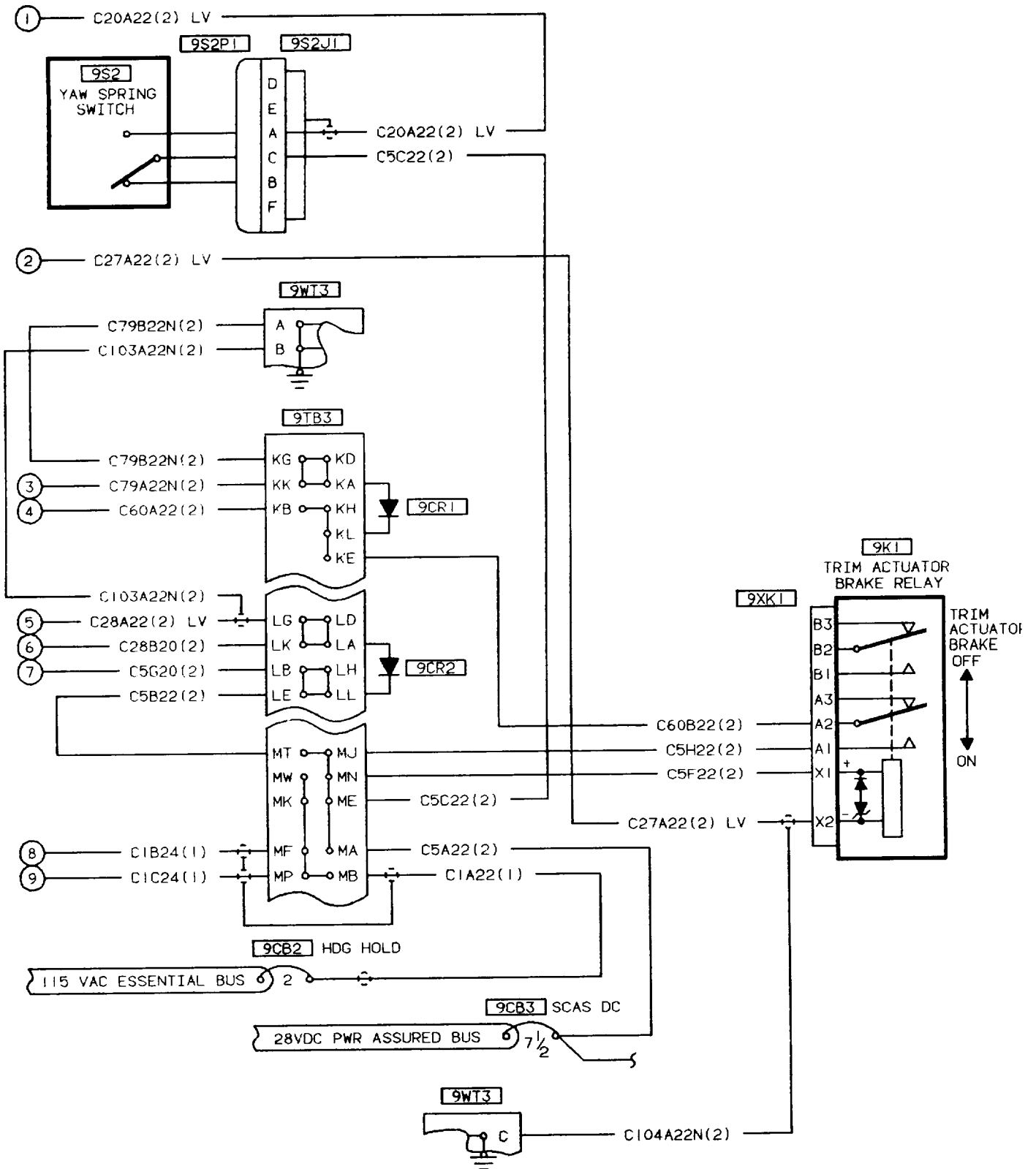
218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE



218. ERROR CODE 0800 WORD 1 YAW RATE SENSOR FAILURE (CONT)

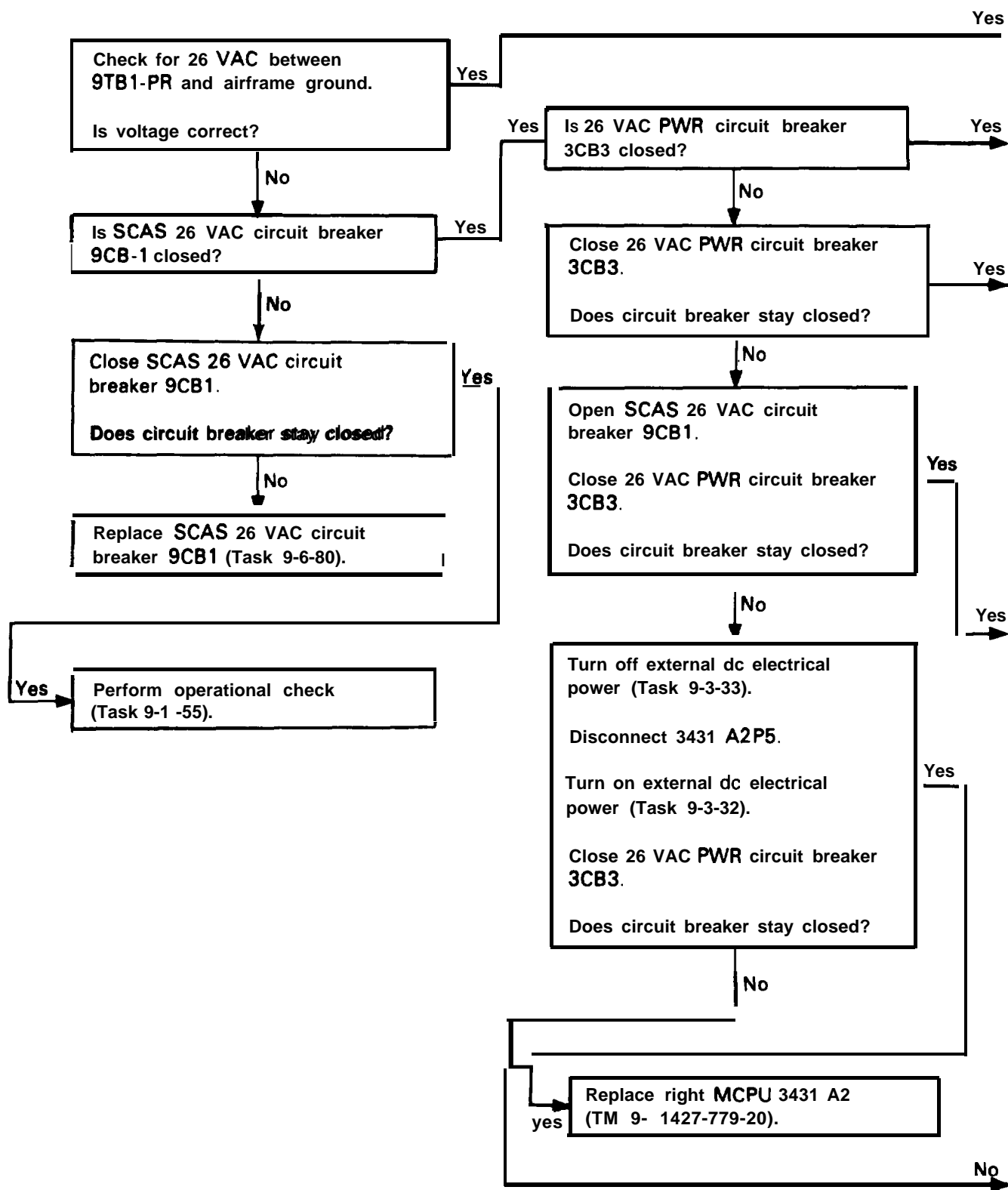


223. ERROR CODE 0008 WORD 2 TRIM MOTOR FAILURE (CONT)

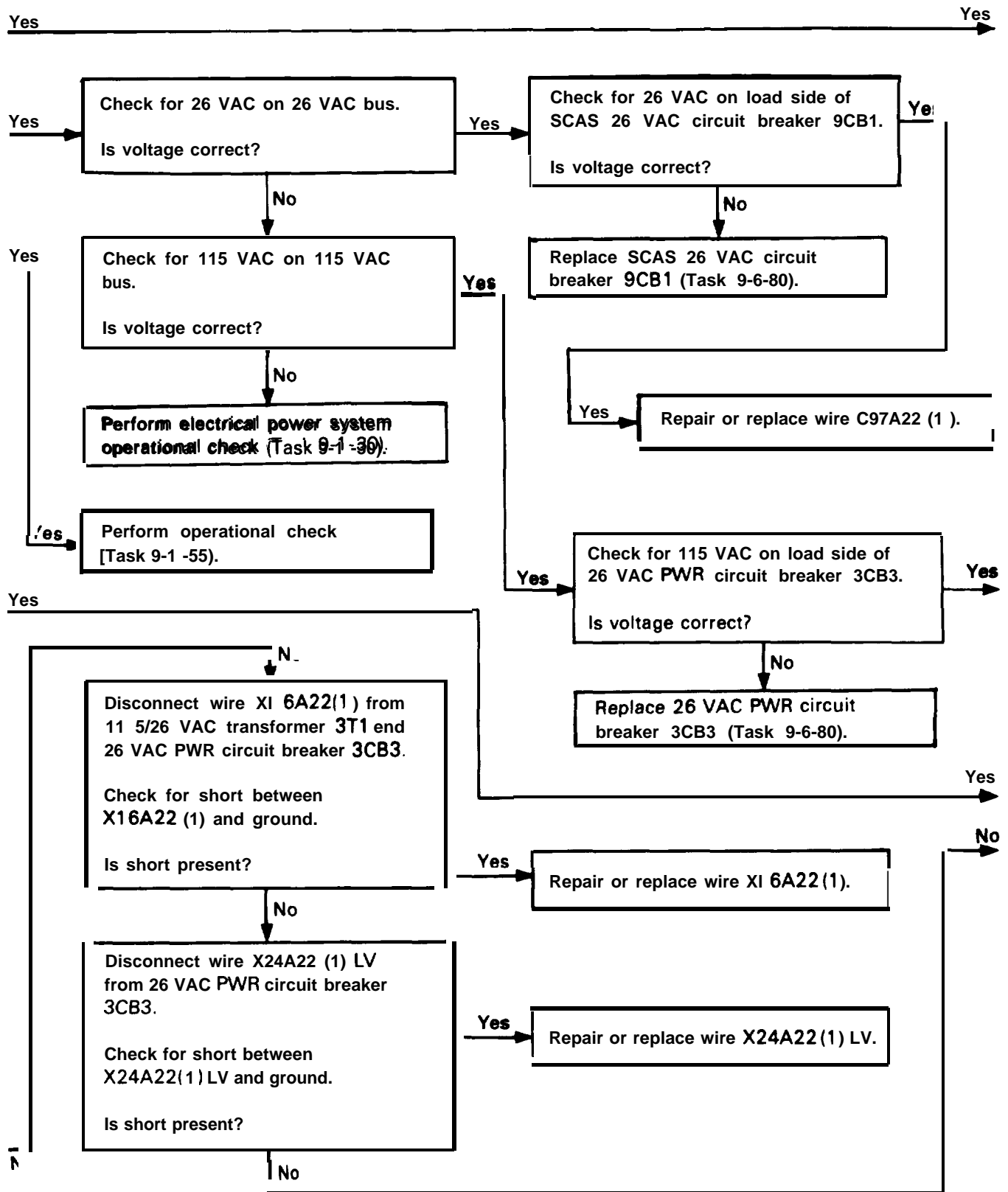


406475-479-2
G7132

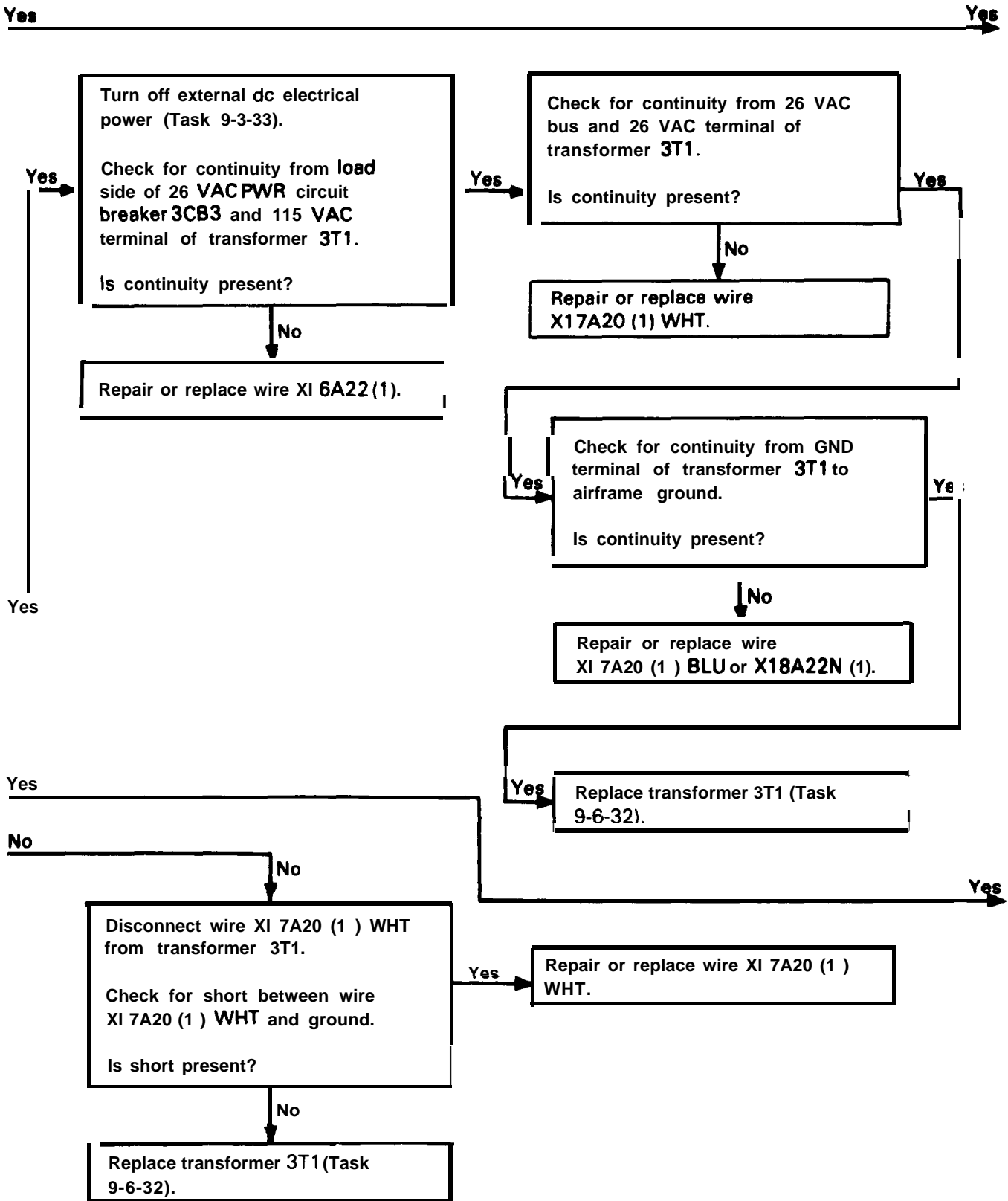
224. ERROR CODE DO10 WORD 226 VAC FAILURE



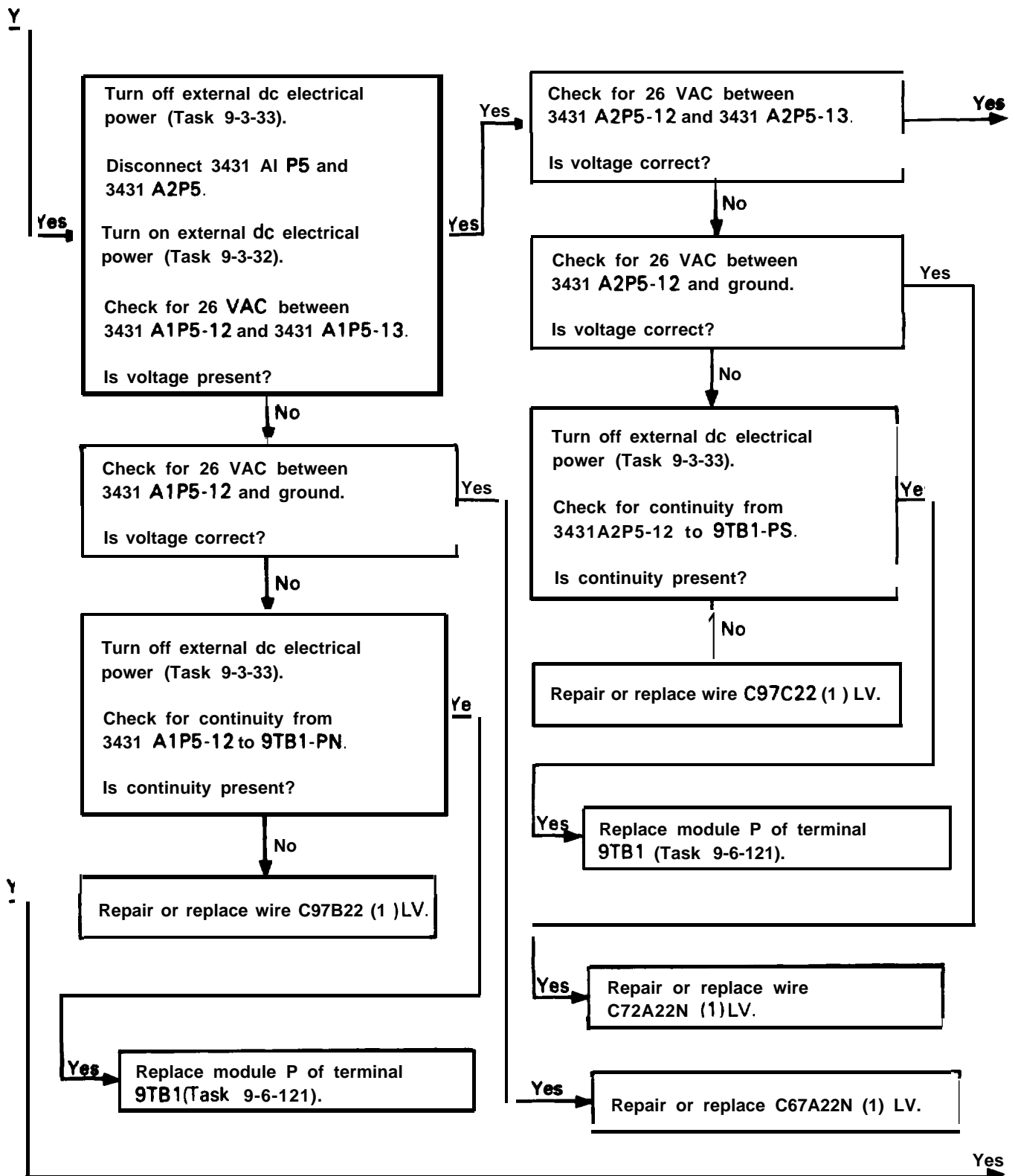
224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



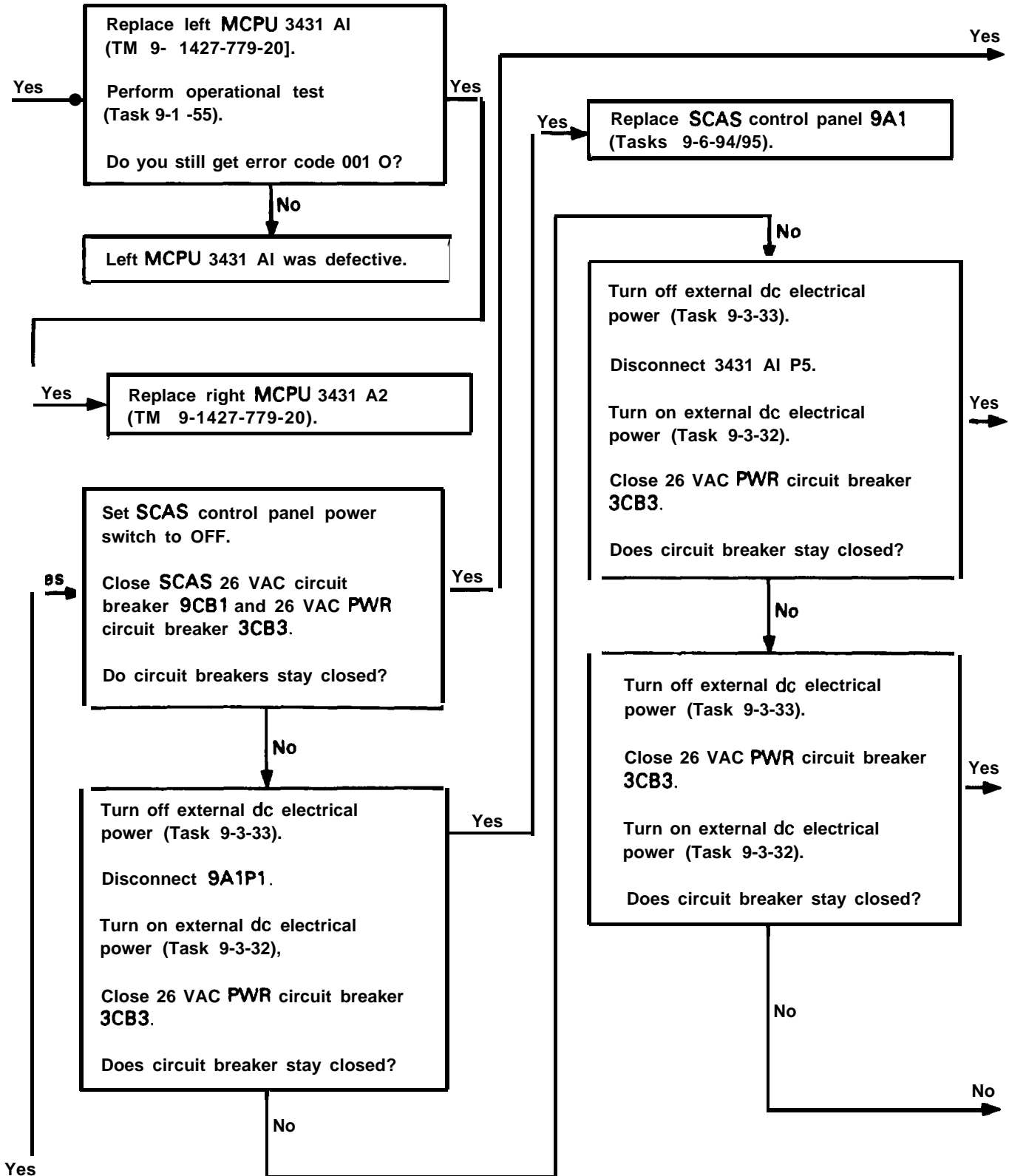
224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



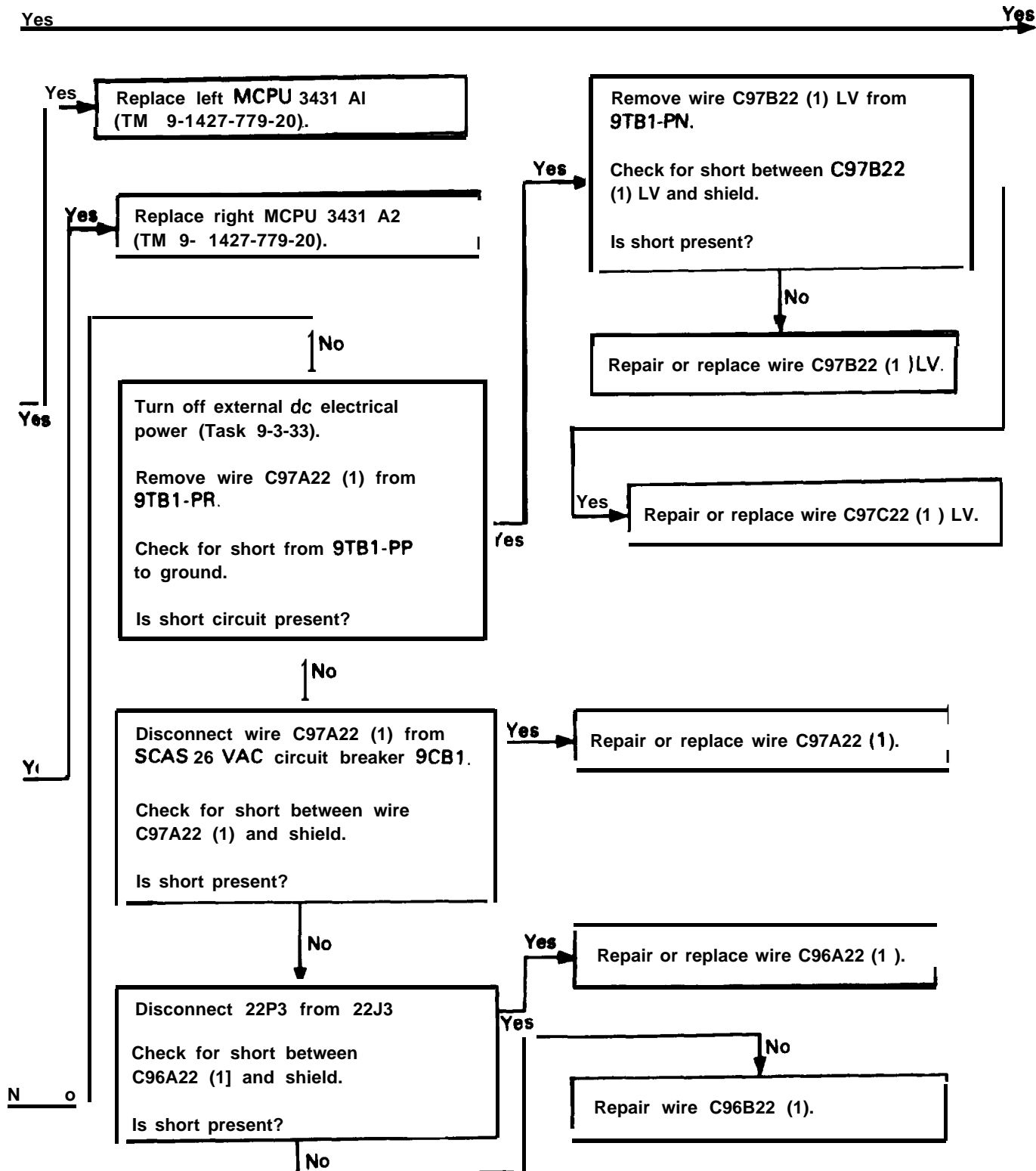
224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



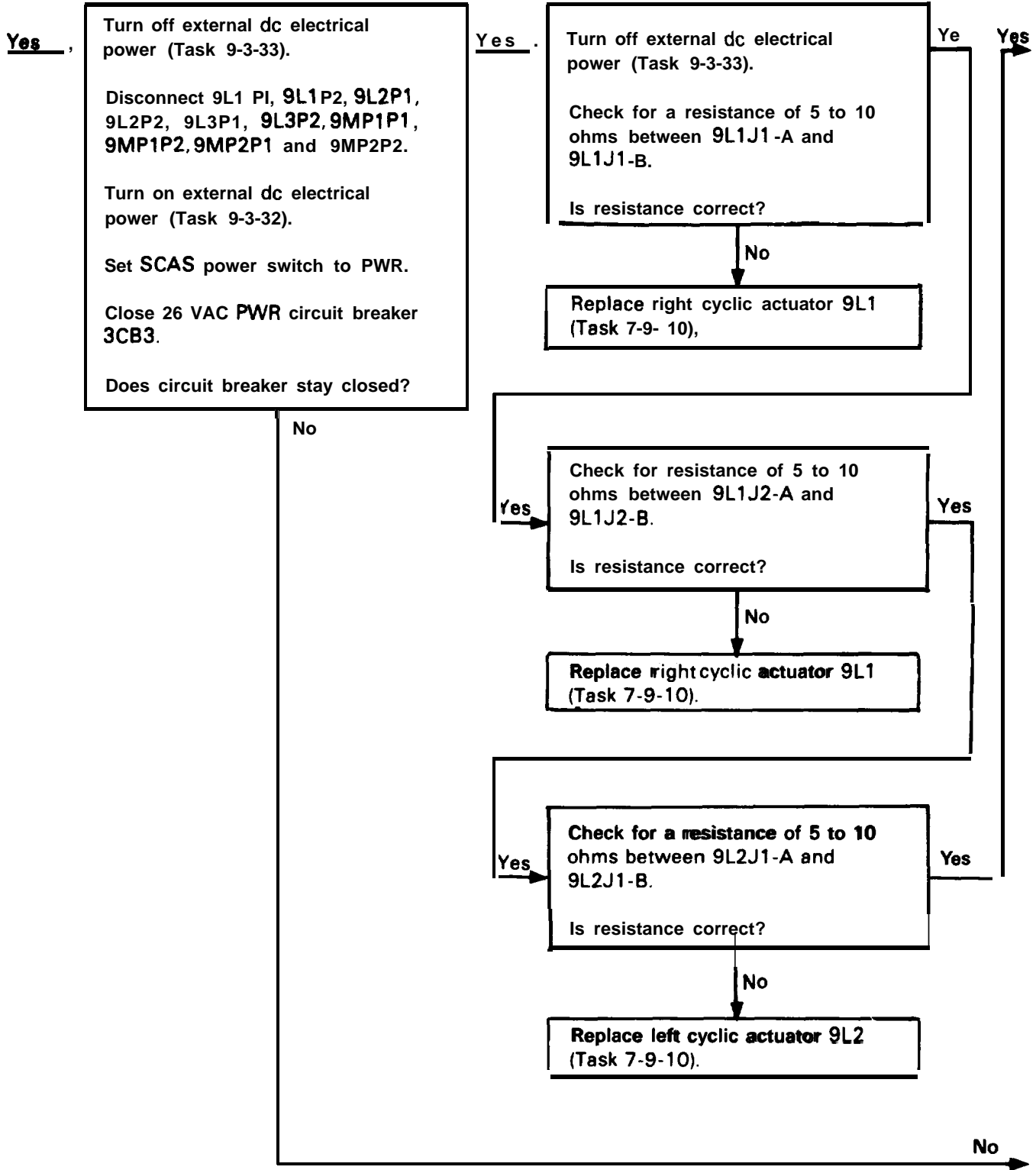
224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



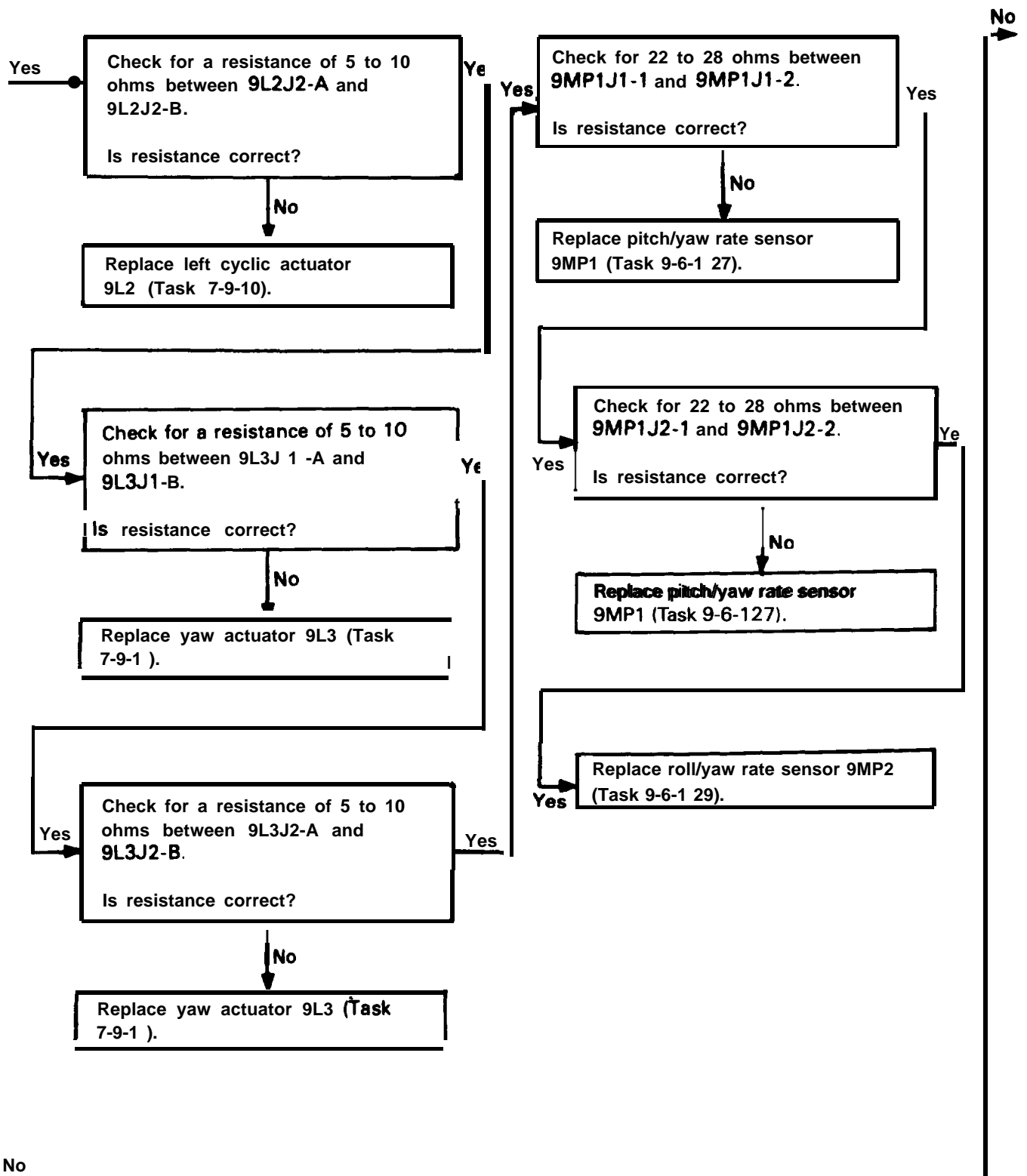
224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



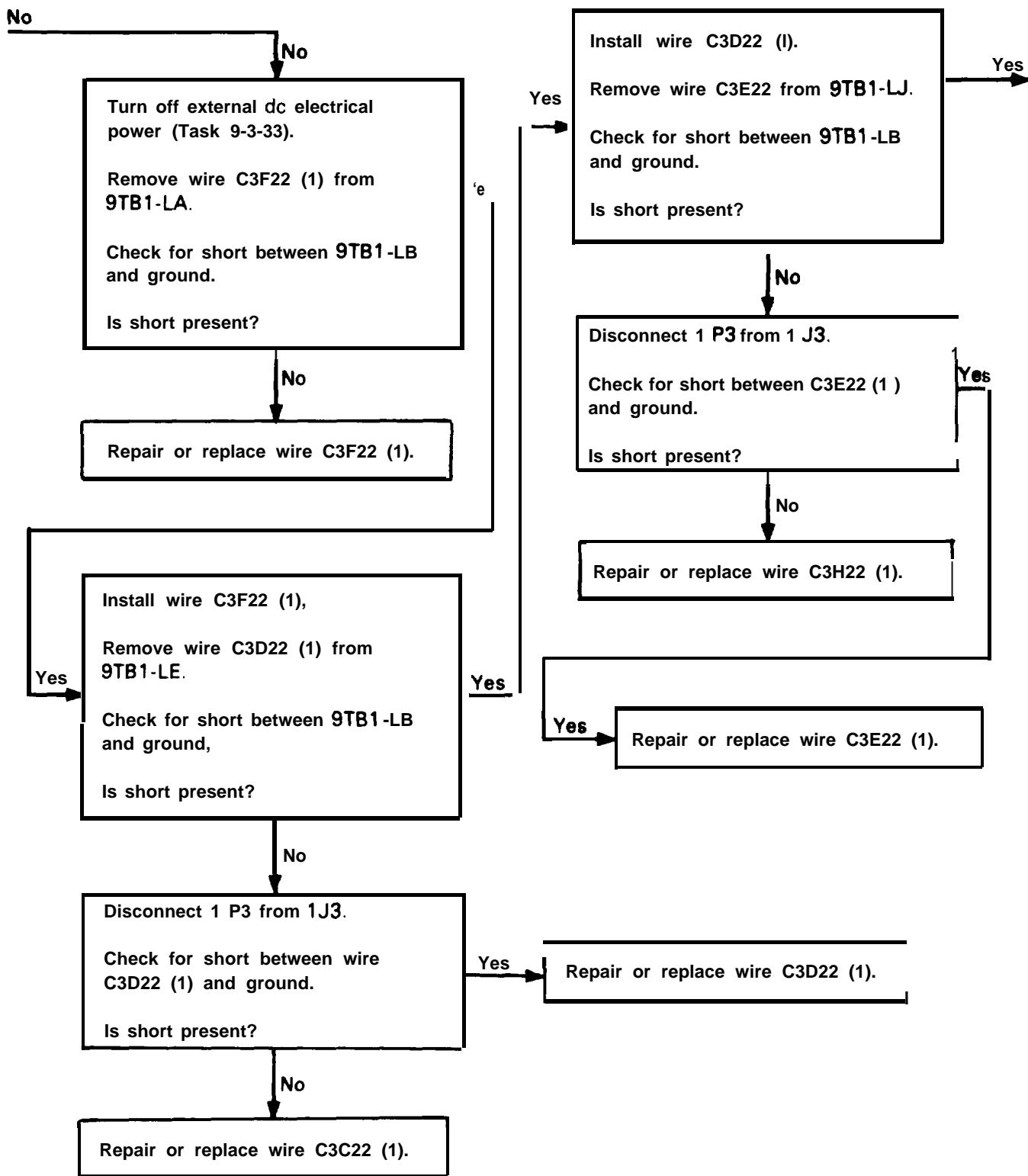
224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



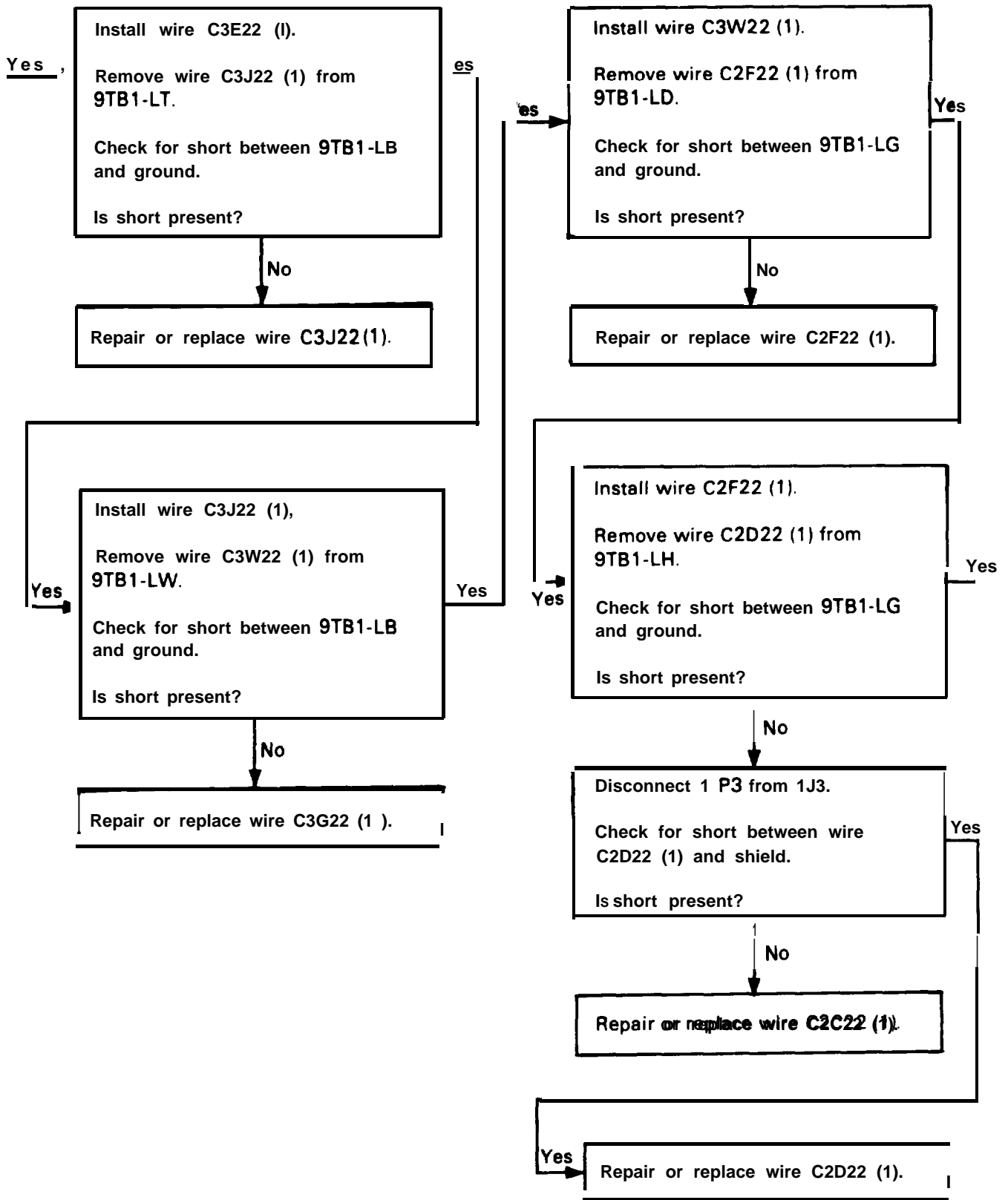
224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



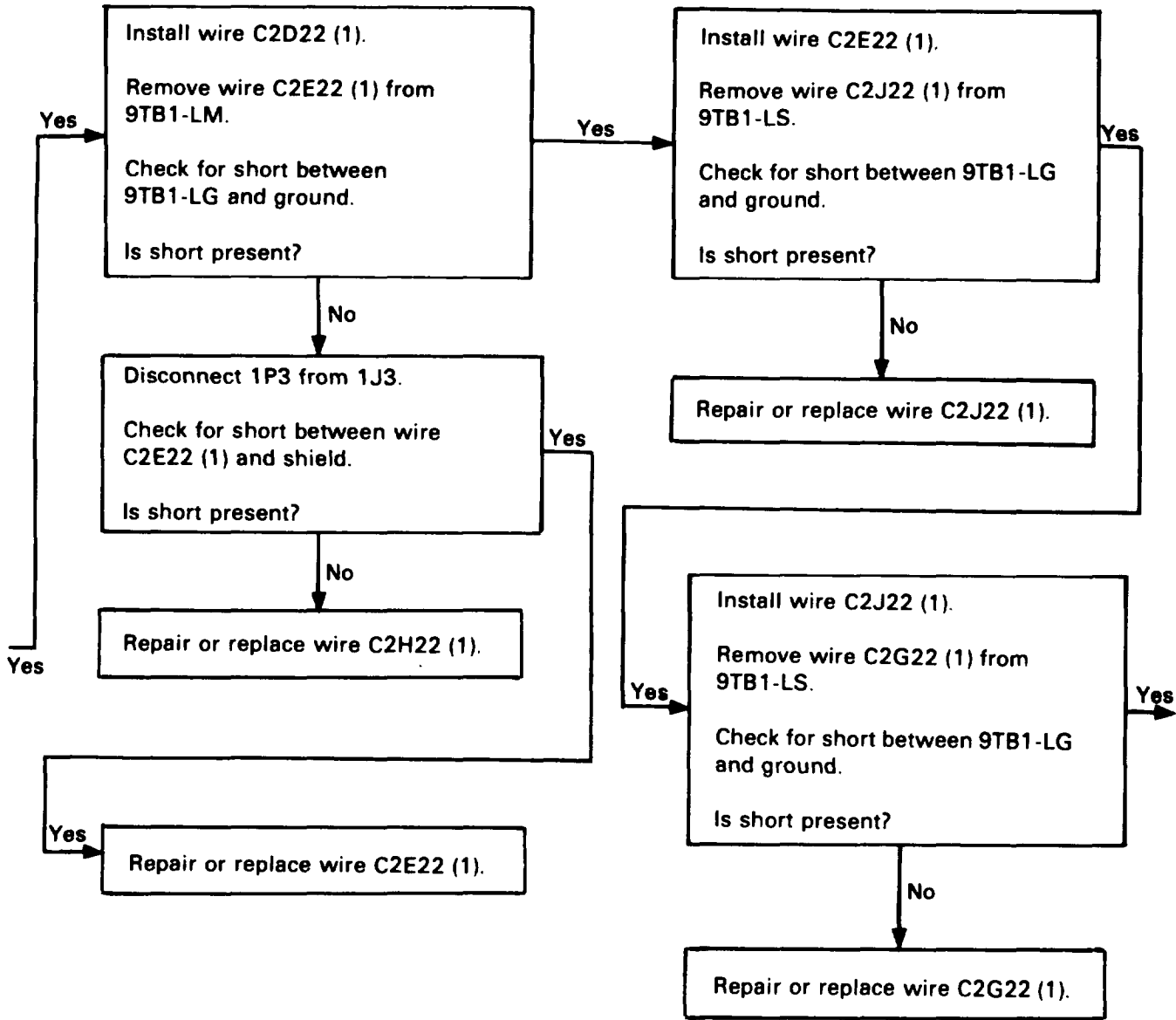
224. ERRORCODE 0010 WORD 226 VAC FAILURE (CONT)



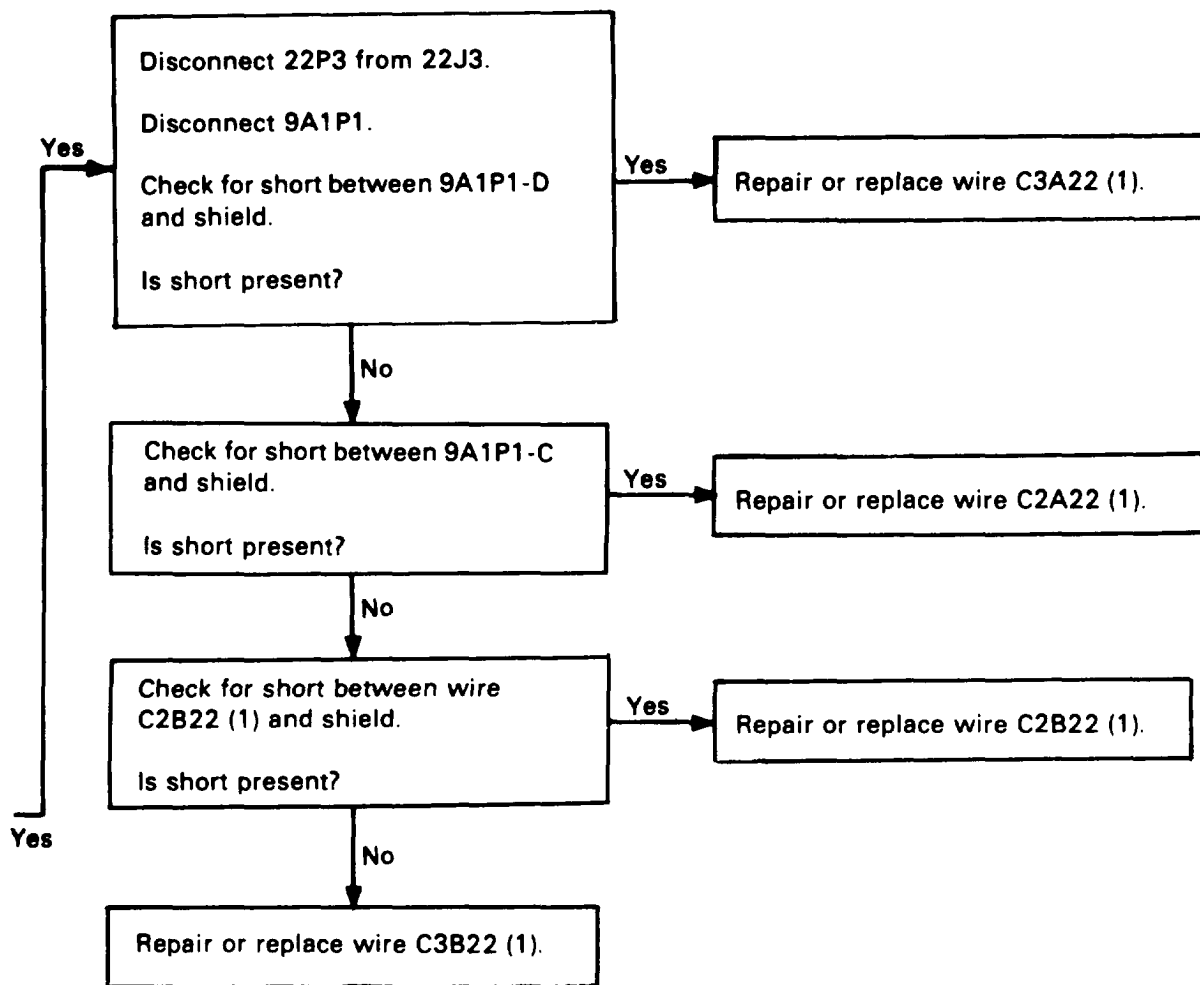
224, ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



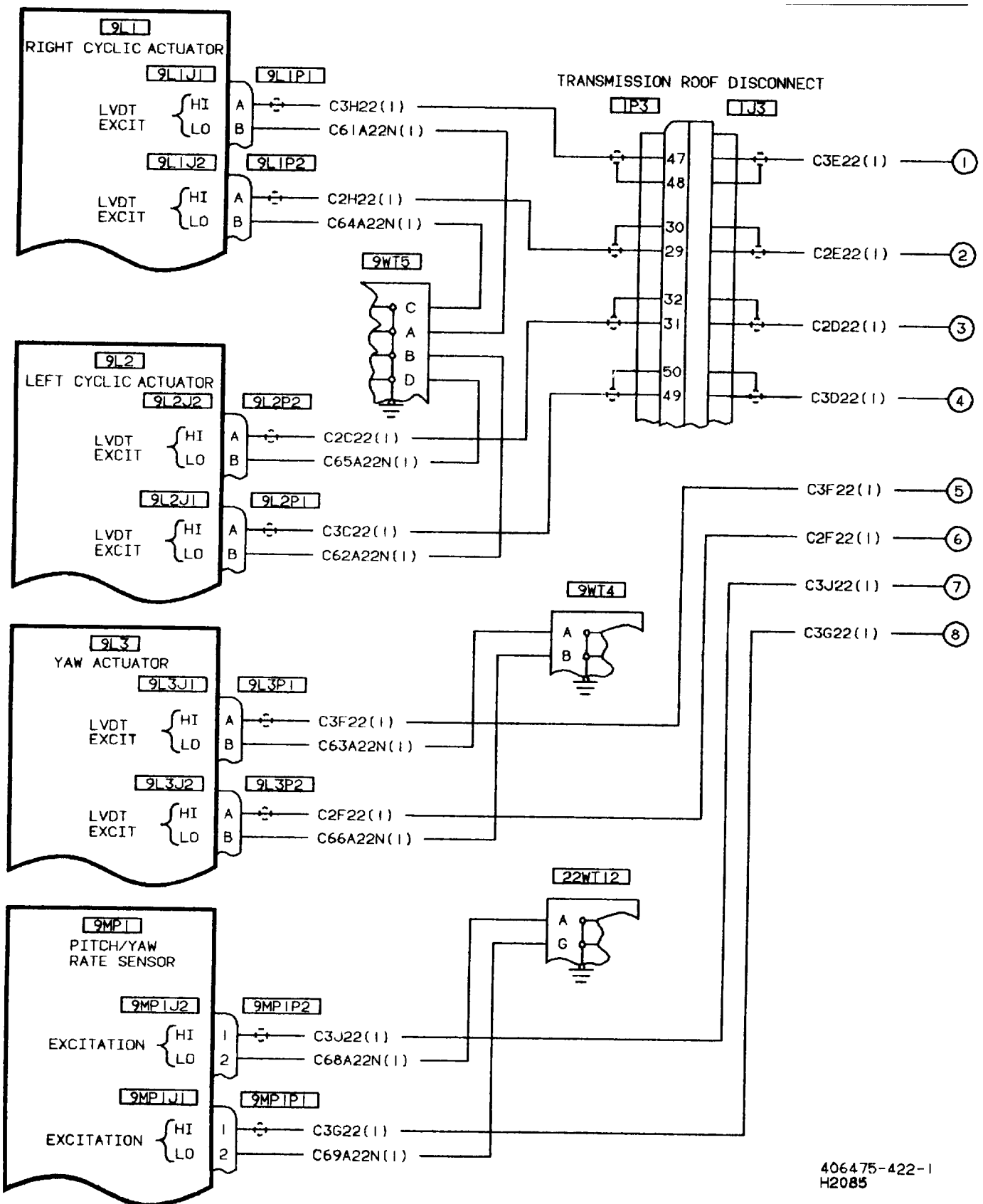
224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)

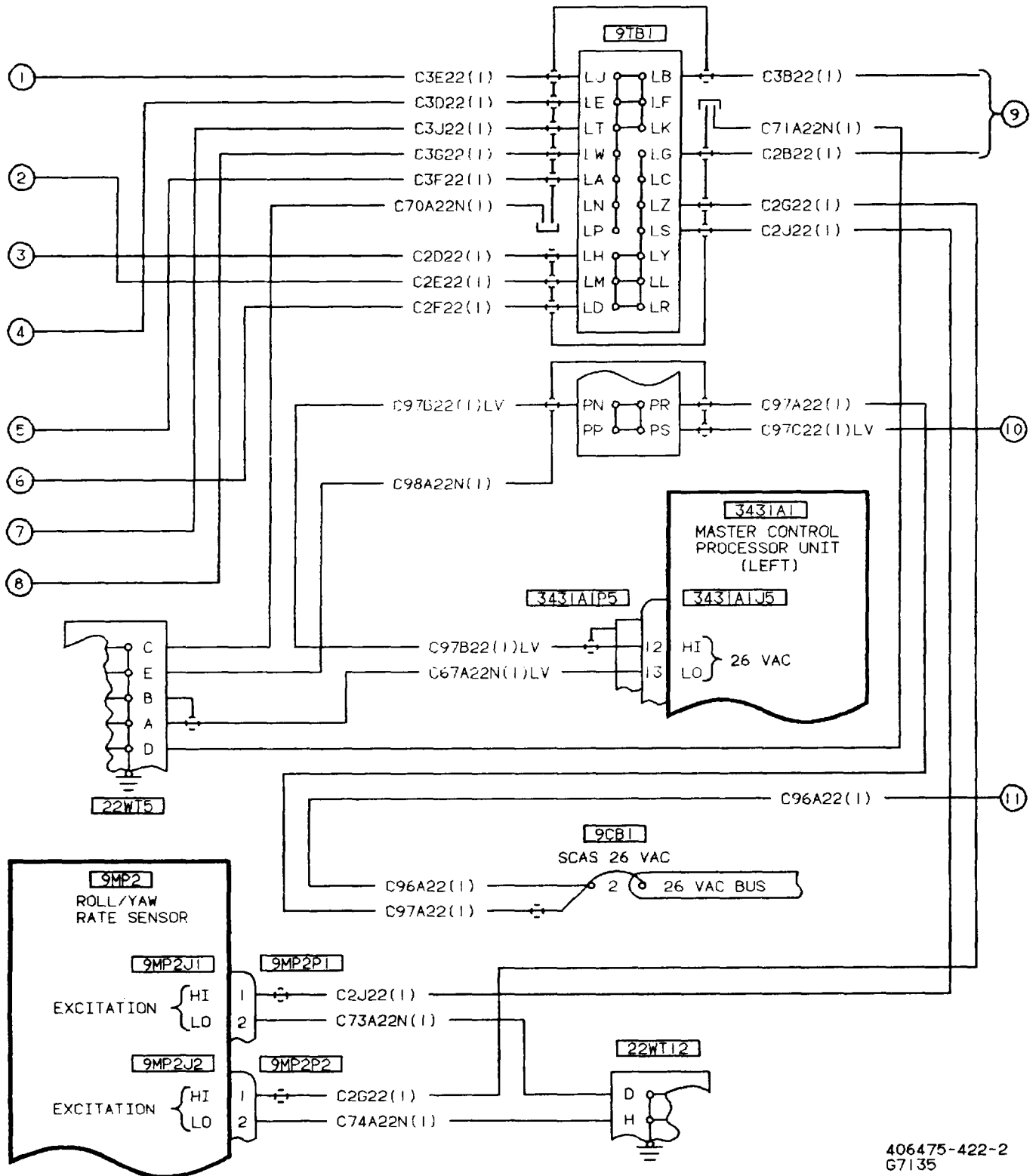


224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



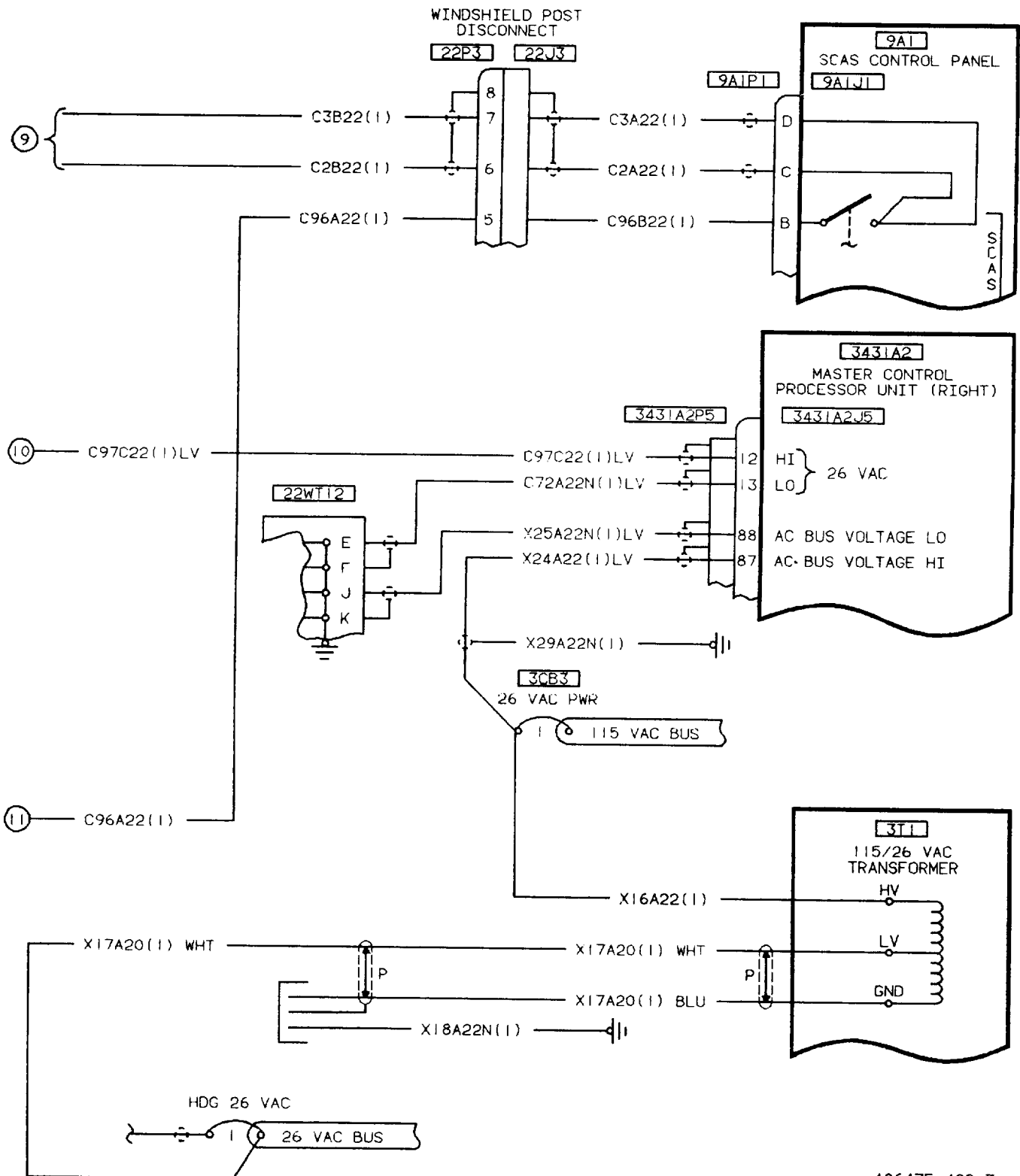
406475-422-1
H2085

224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)



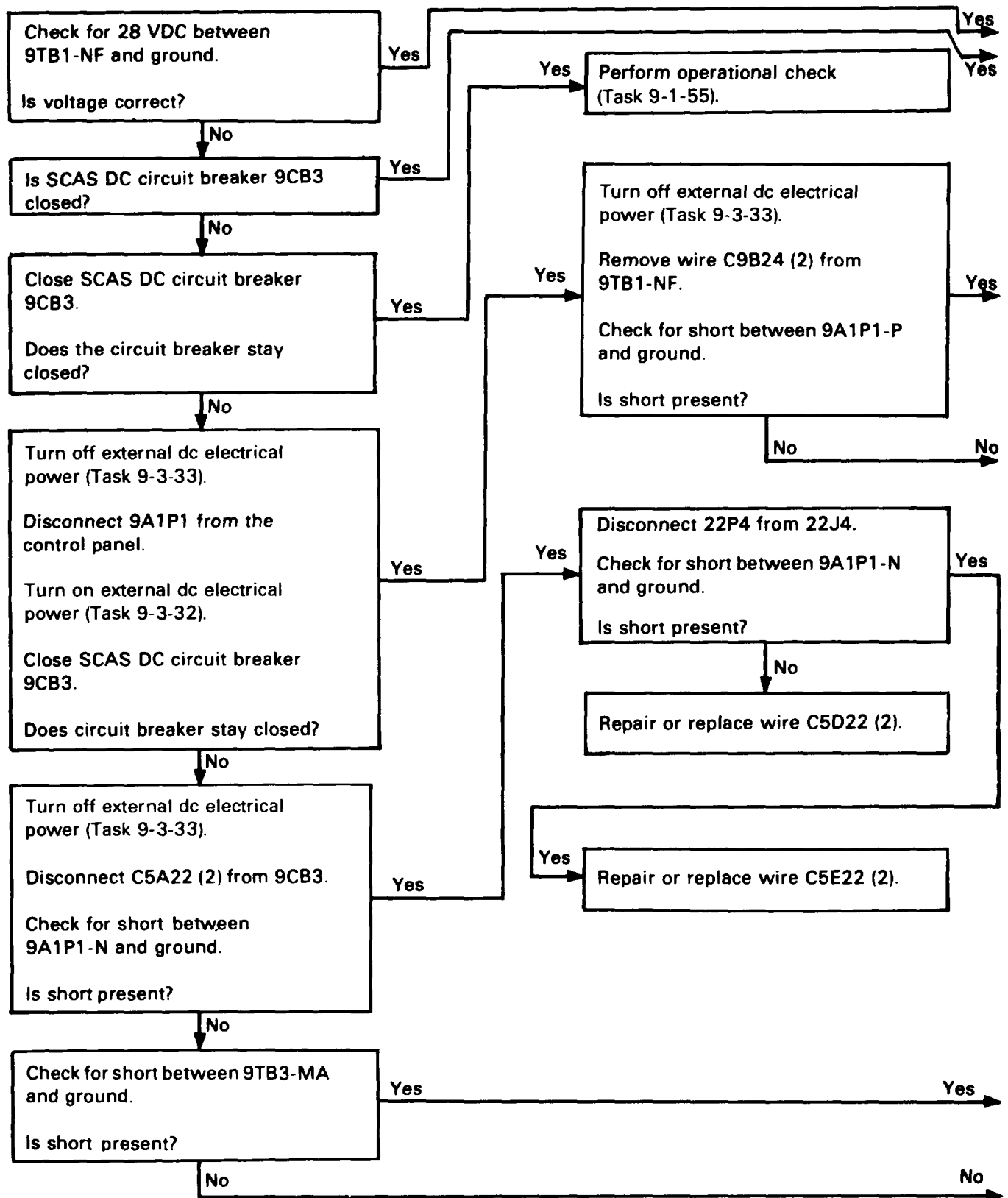
406475-422-2
G7135

224. ERROR CODE 0010 WORD 226 VAC FAILURE (CONT)

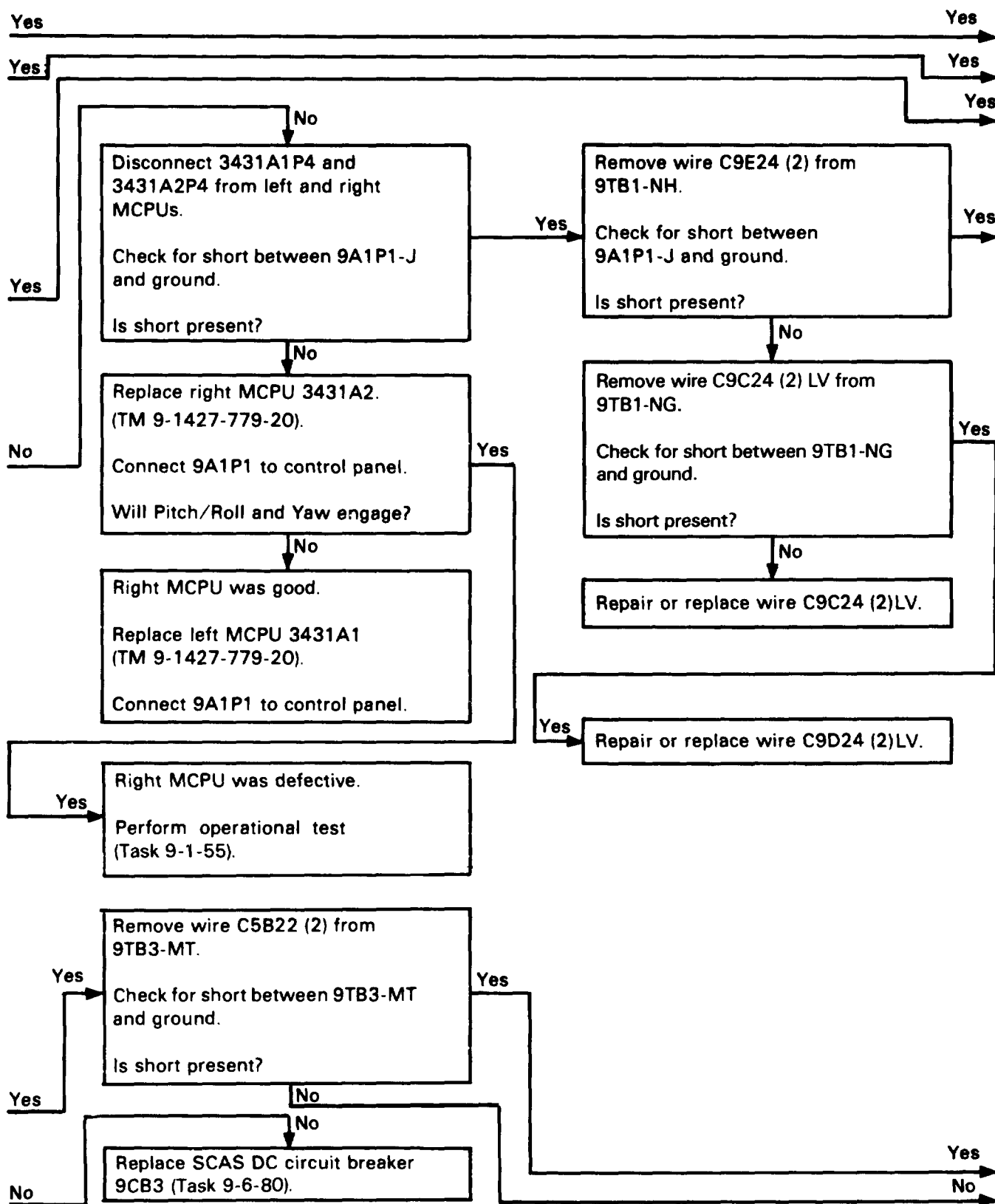


406475-422-3
G7135

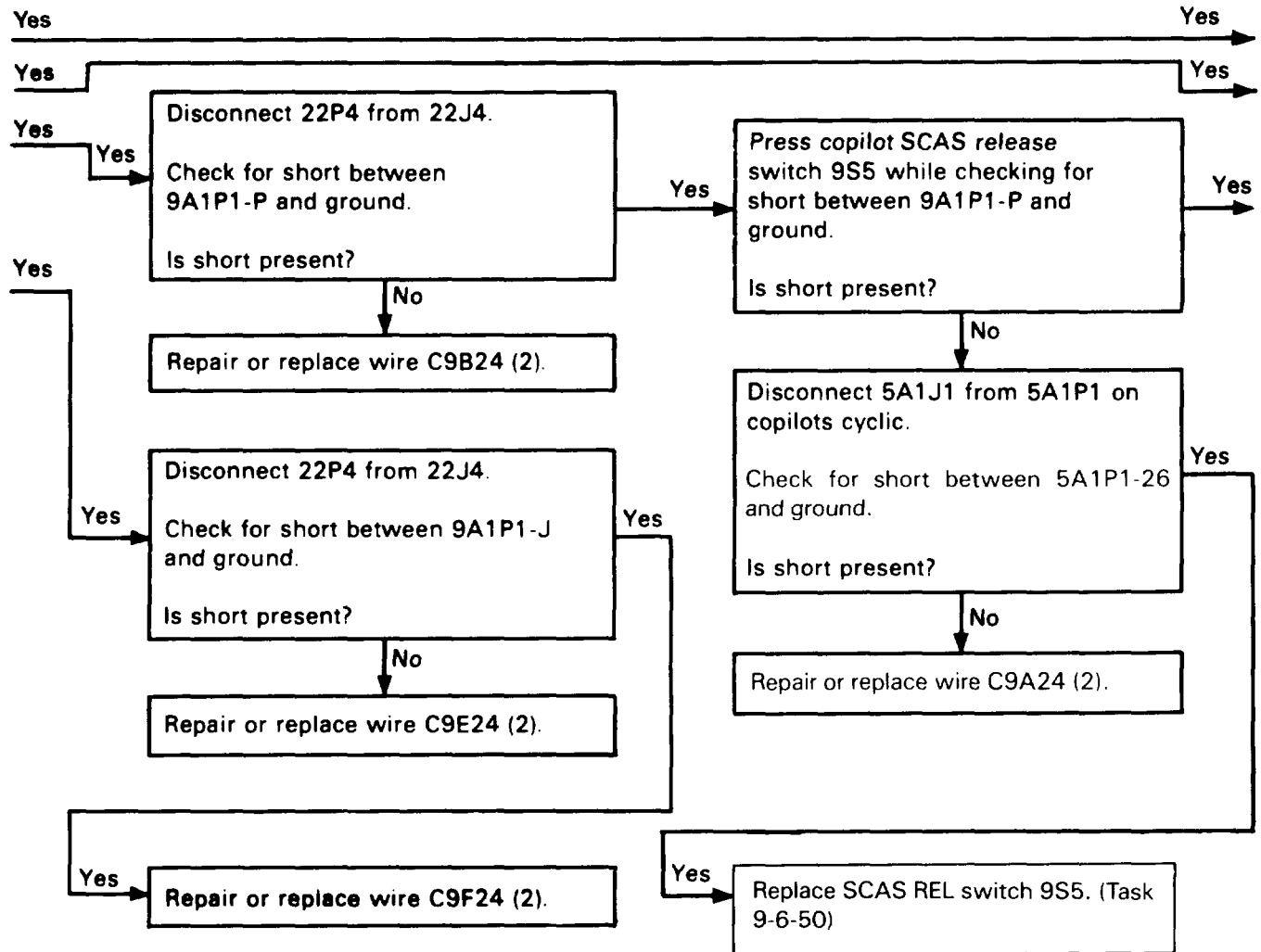
225. PITCH/ROLL AND YAW WILL NOT ENGAGE



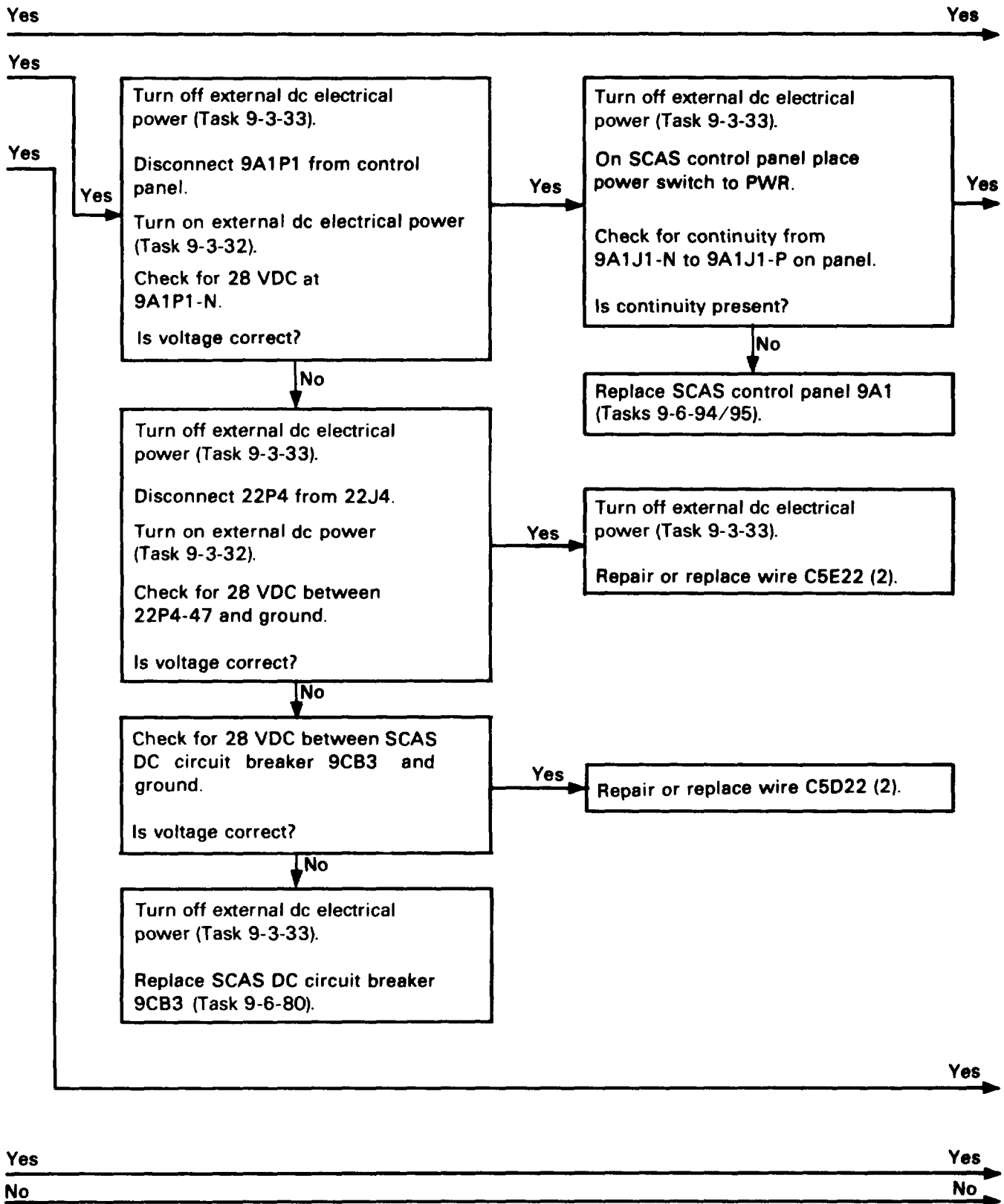
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



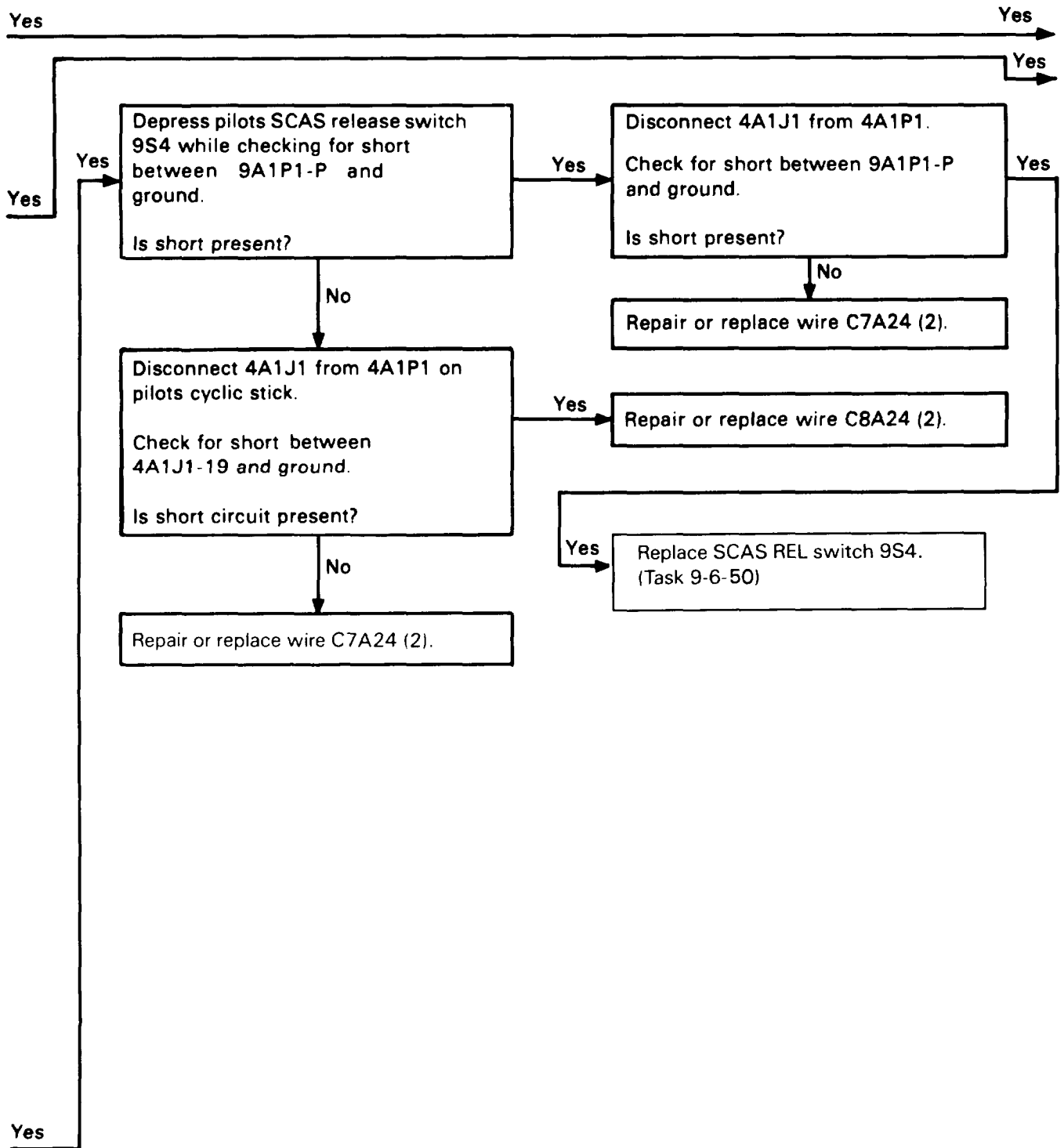
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



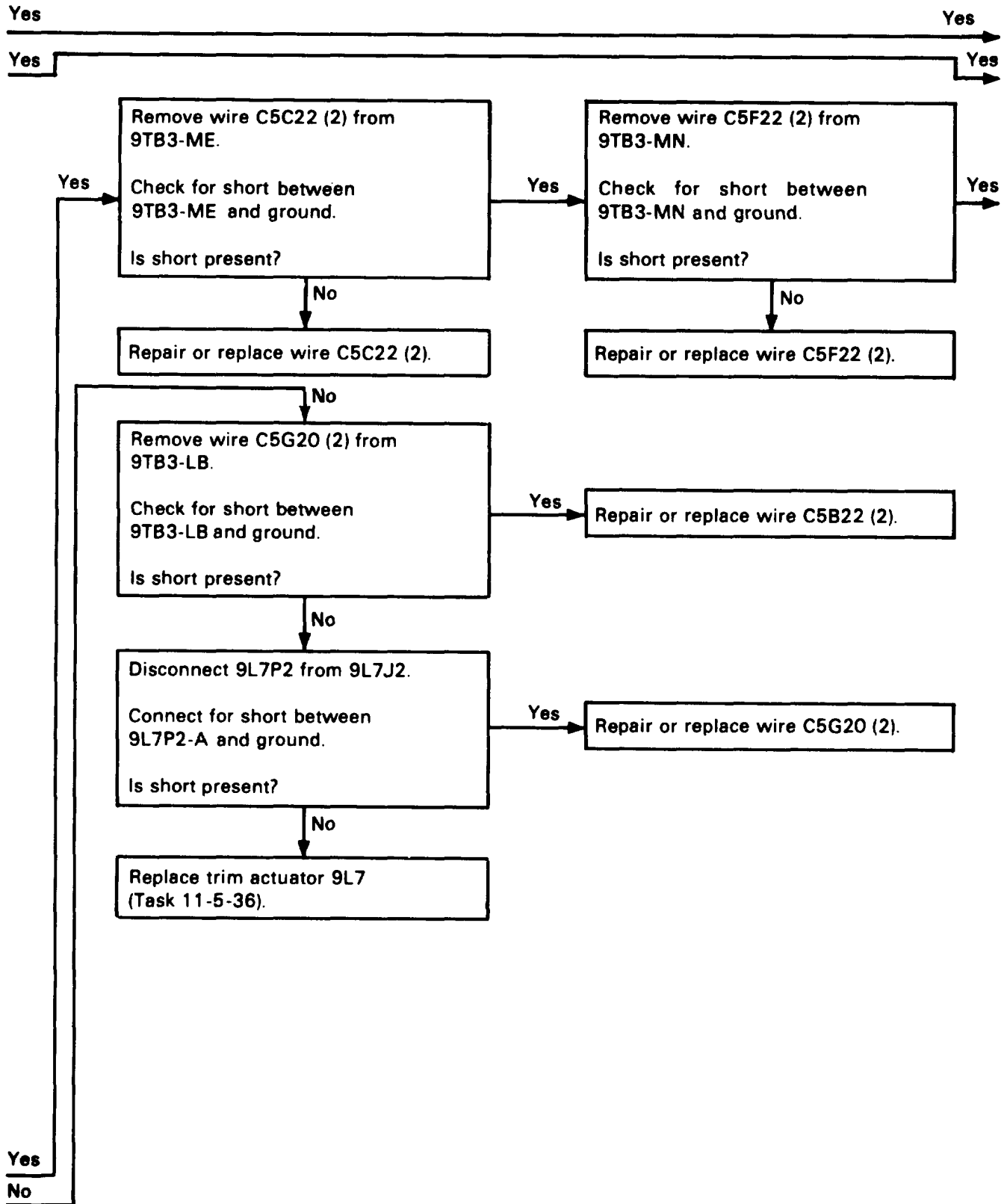
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



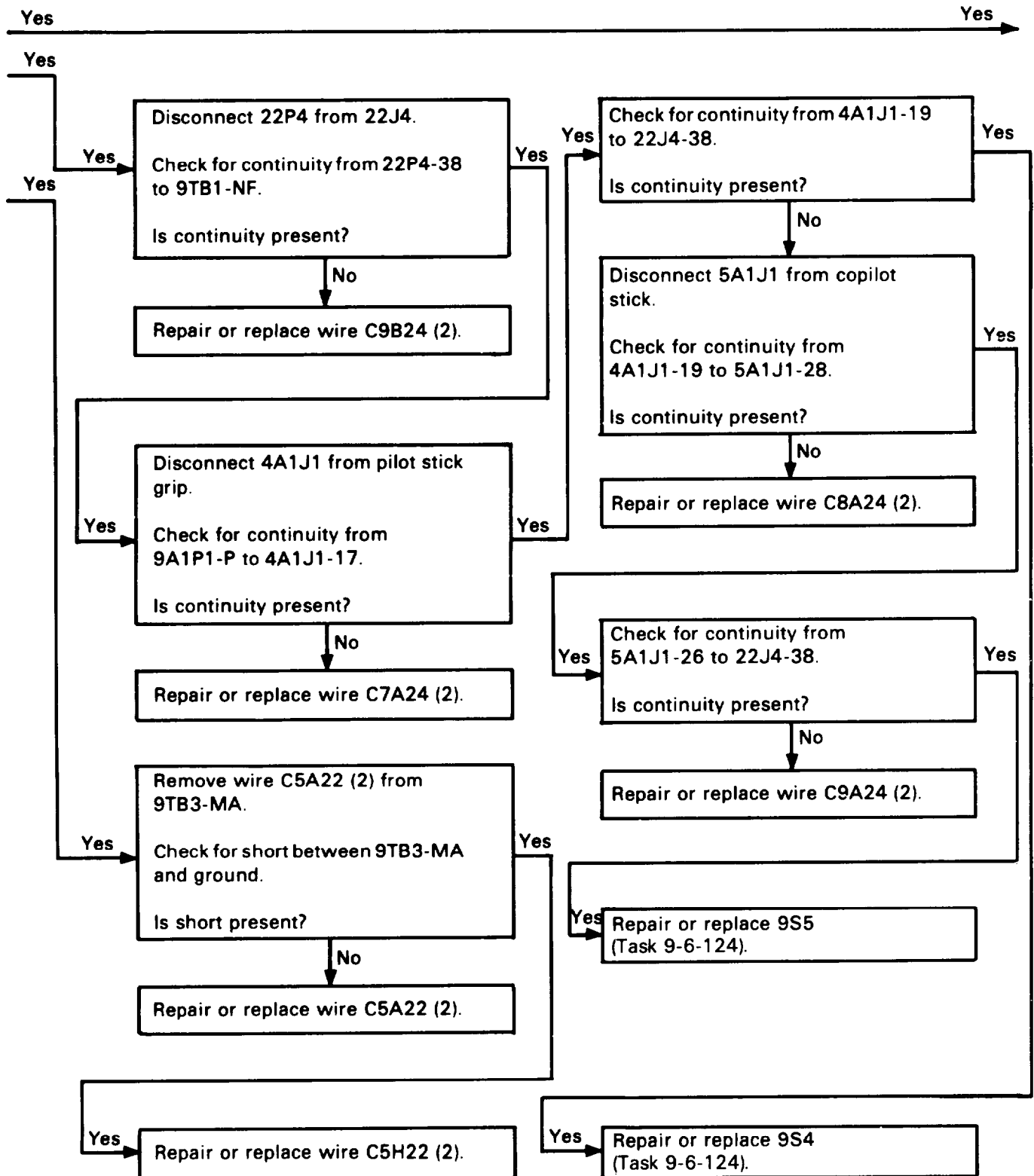
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



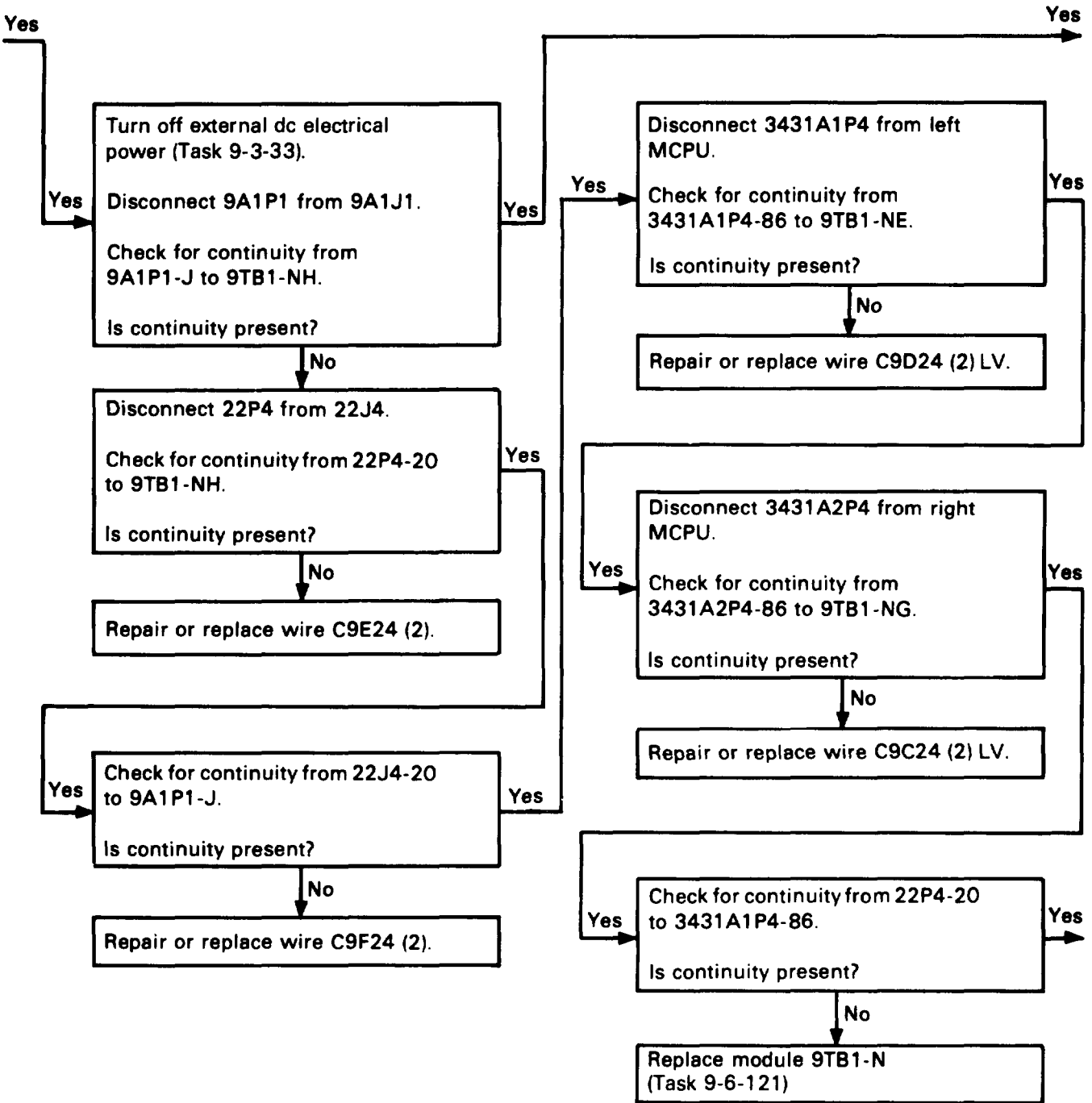
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



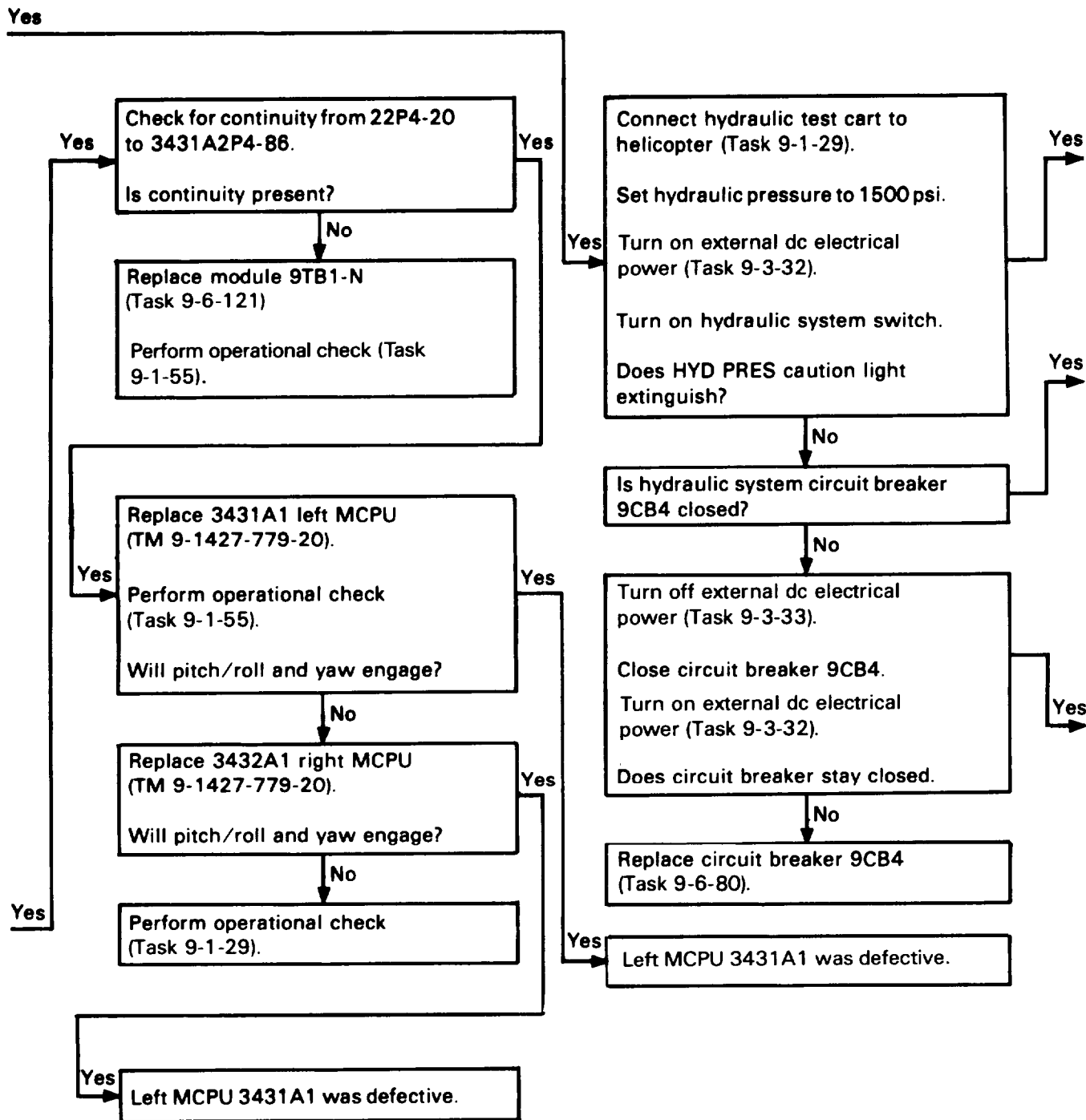
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



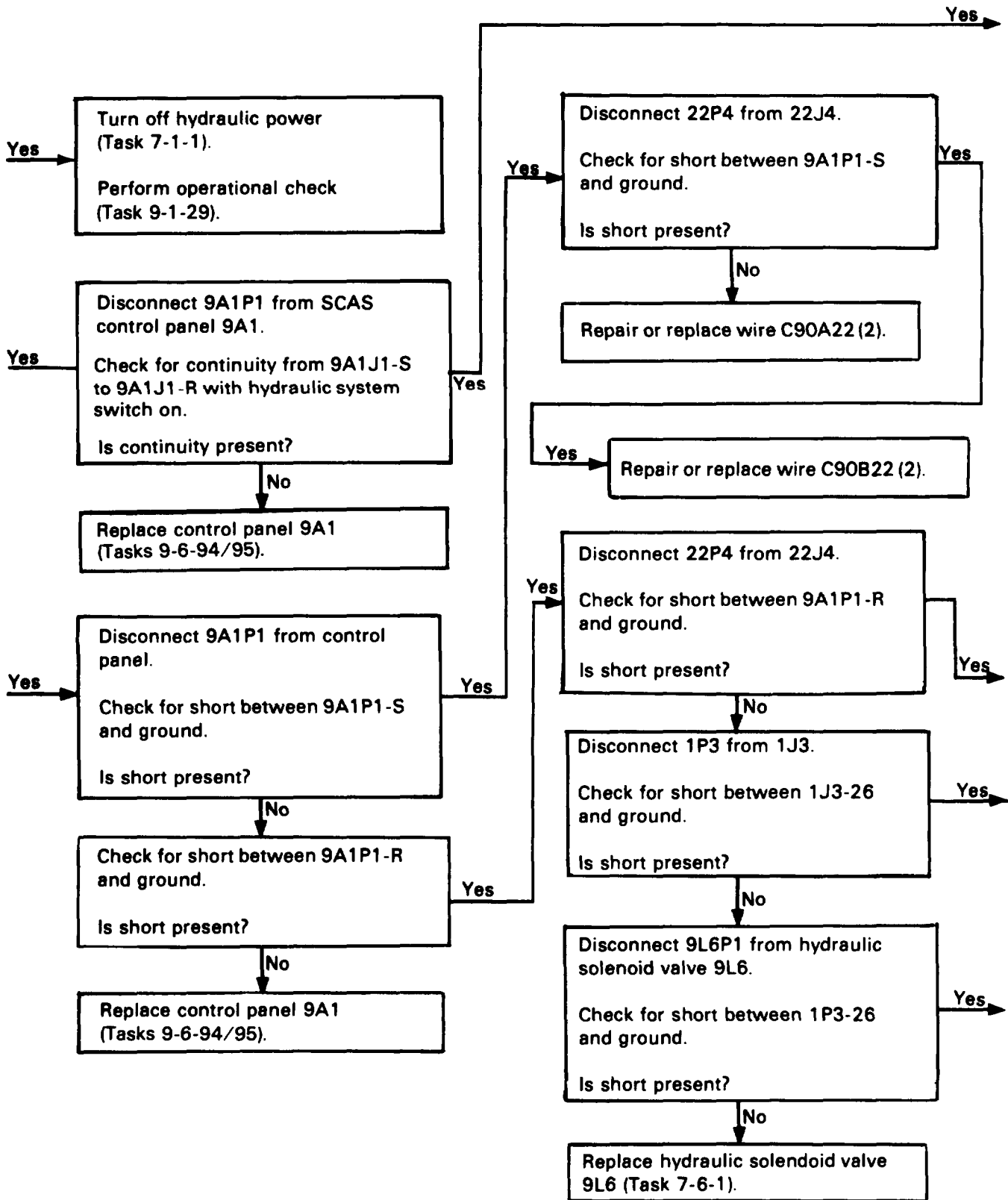
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



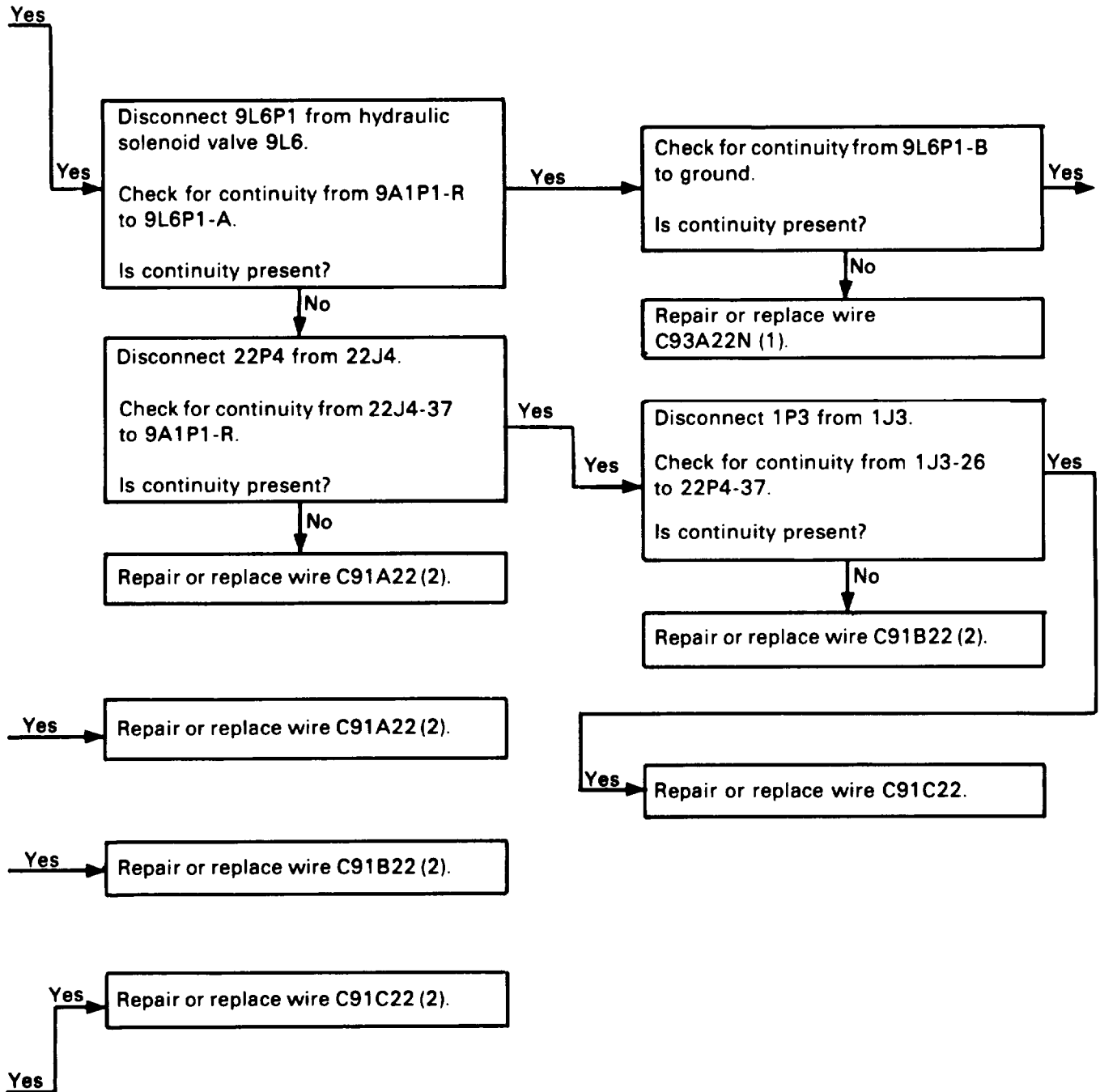
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



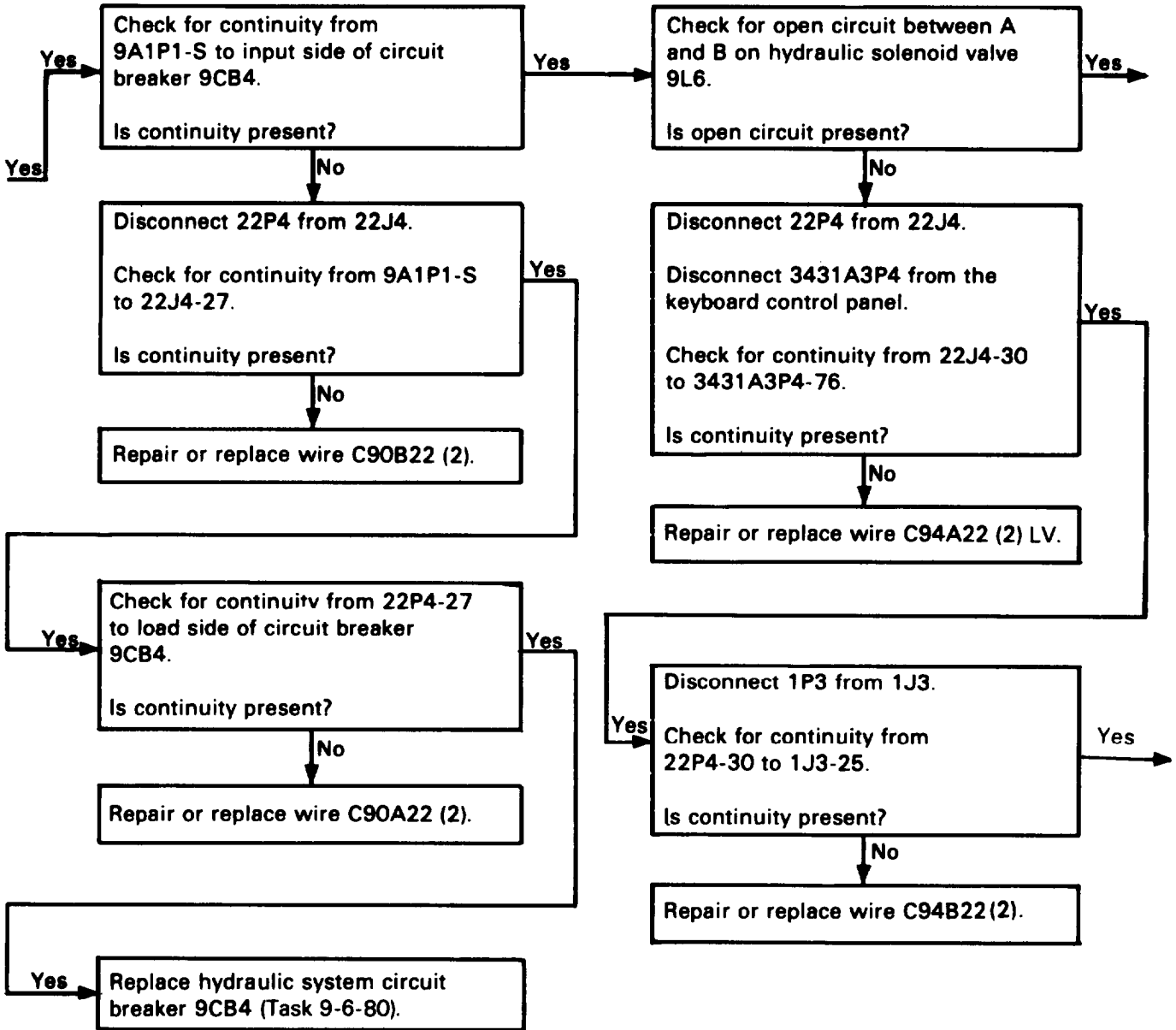
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



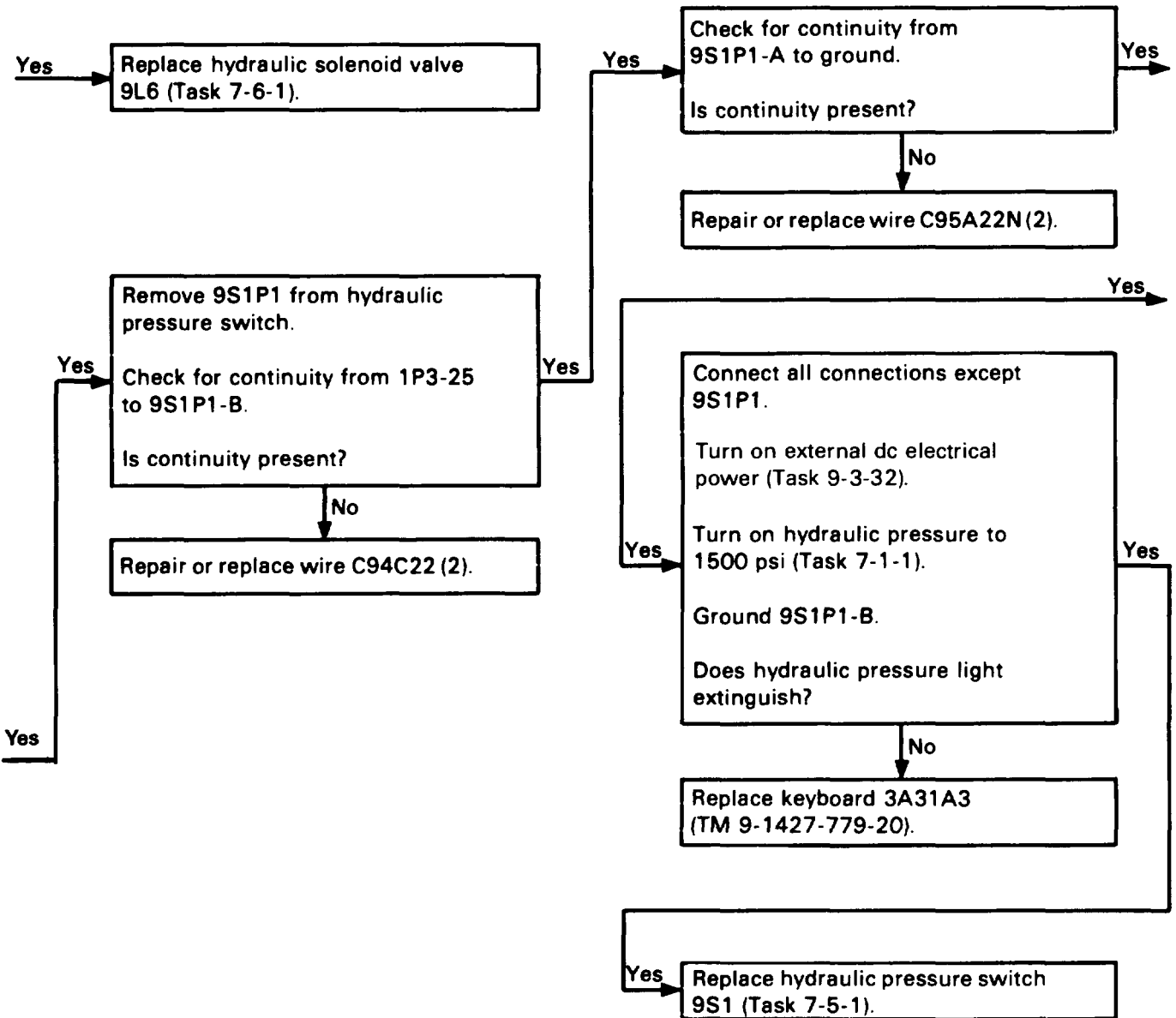
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



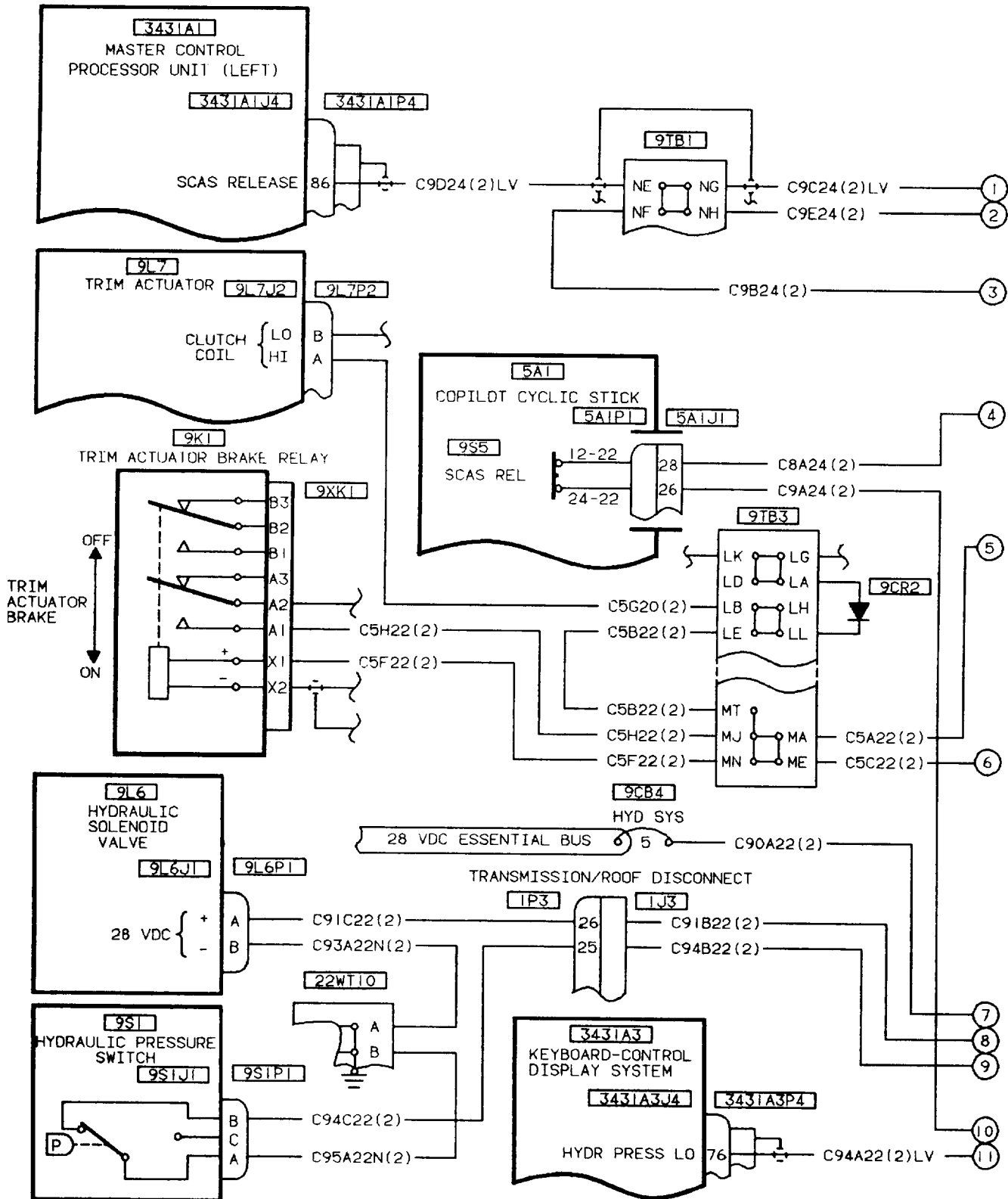
225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)

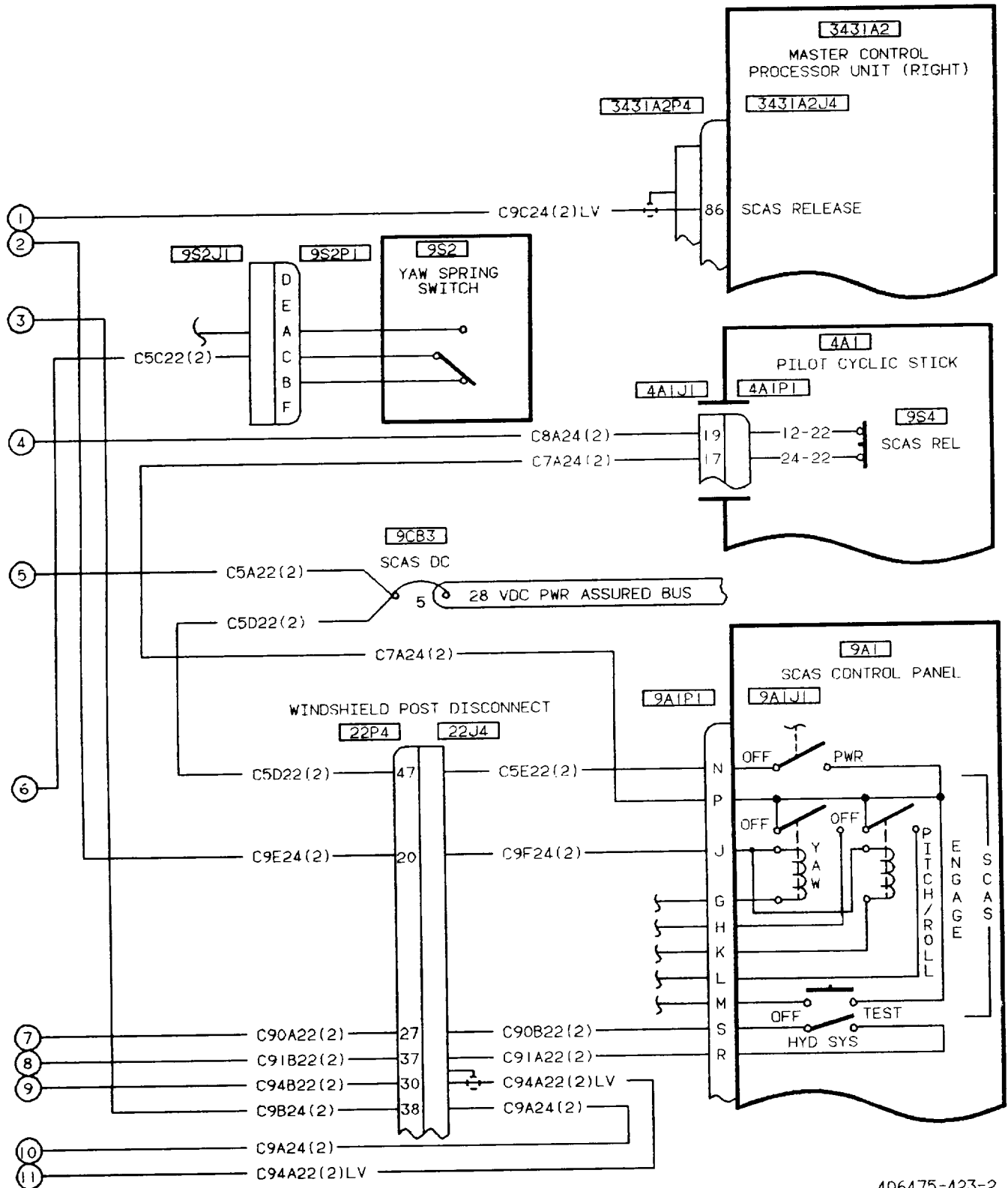


225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)



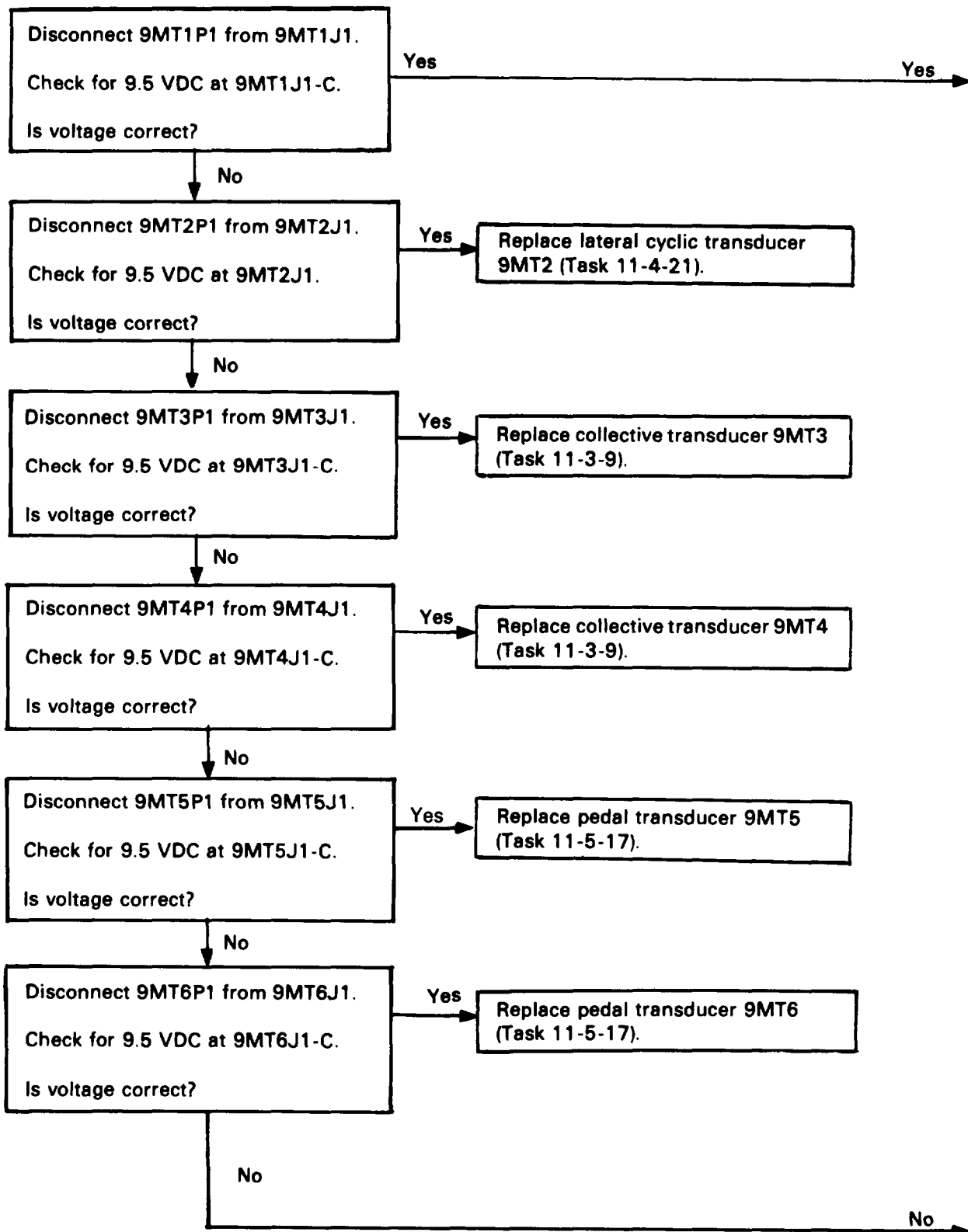
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225. PITCH/ROLL AND YAW WILL NOT ENGAGE (CONT)

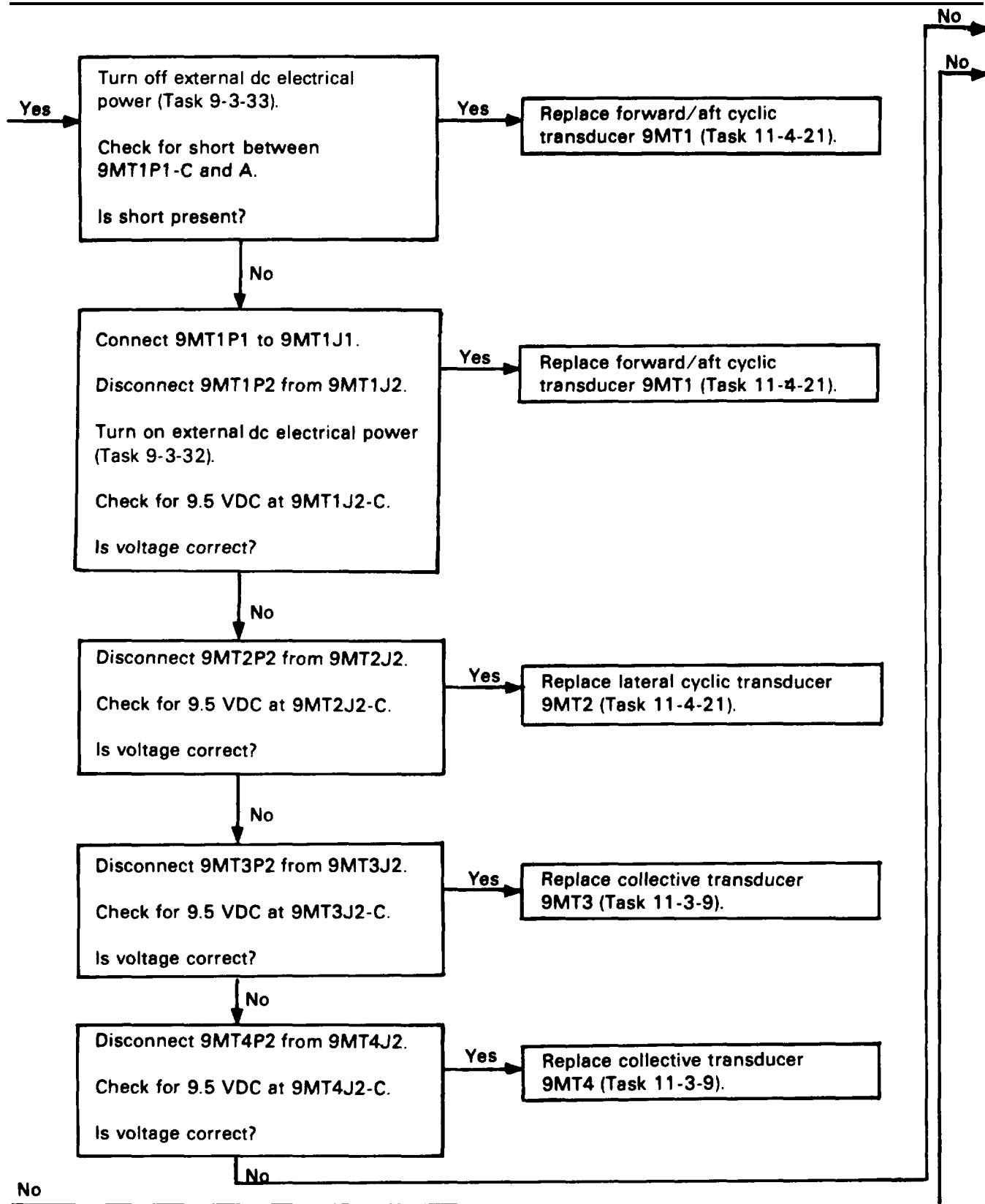


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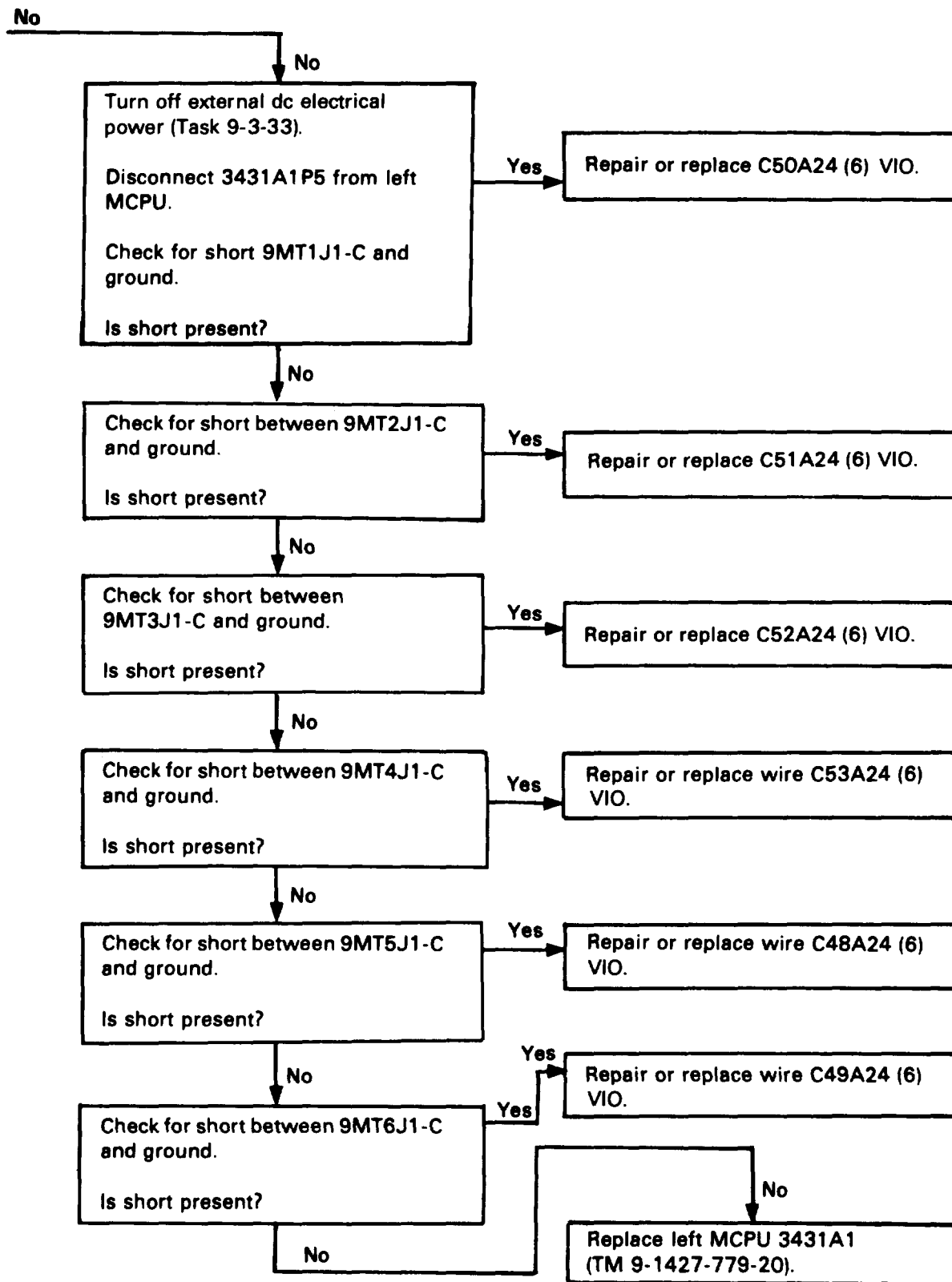
226. PITCH/ROLL AND ONE YAW WILL NOT ENGAGE



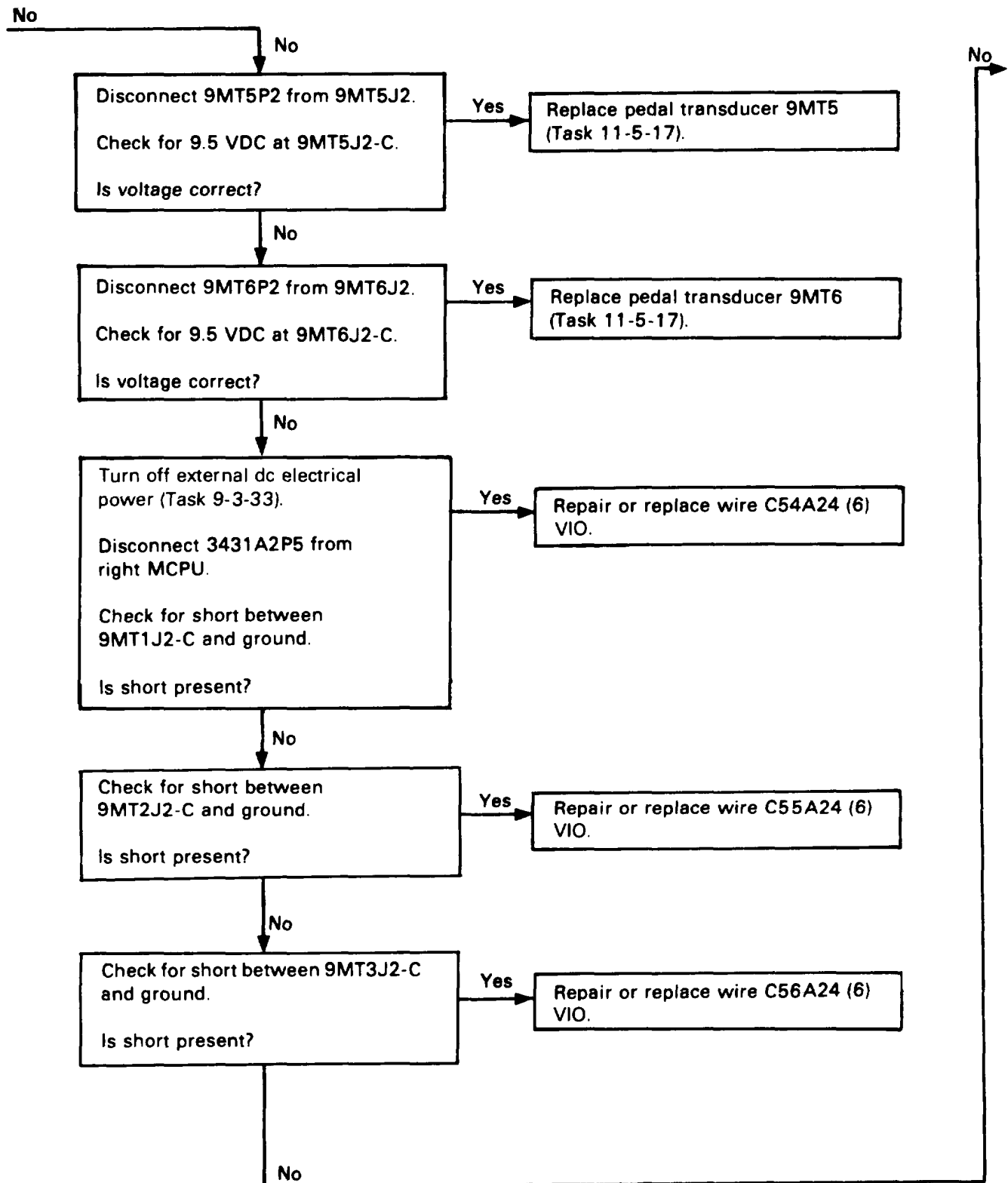
226. PITCH/ROLL AND ONE YAW WILL NOT ENGAGE (CONT)



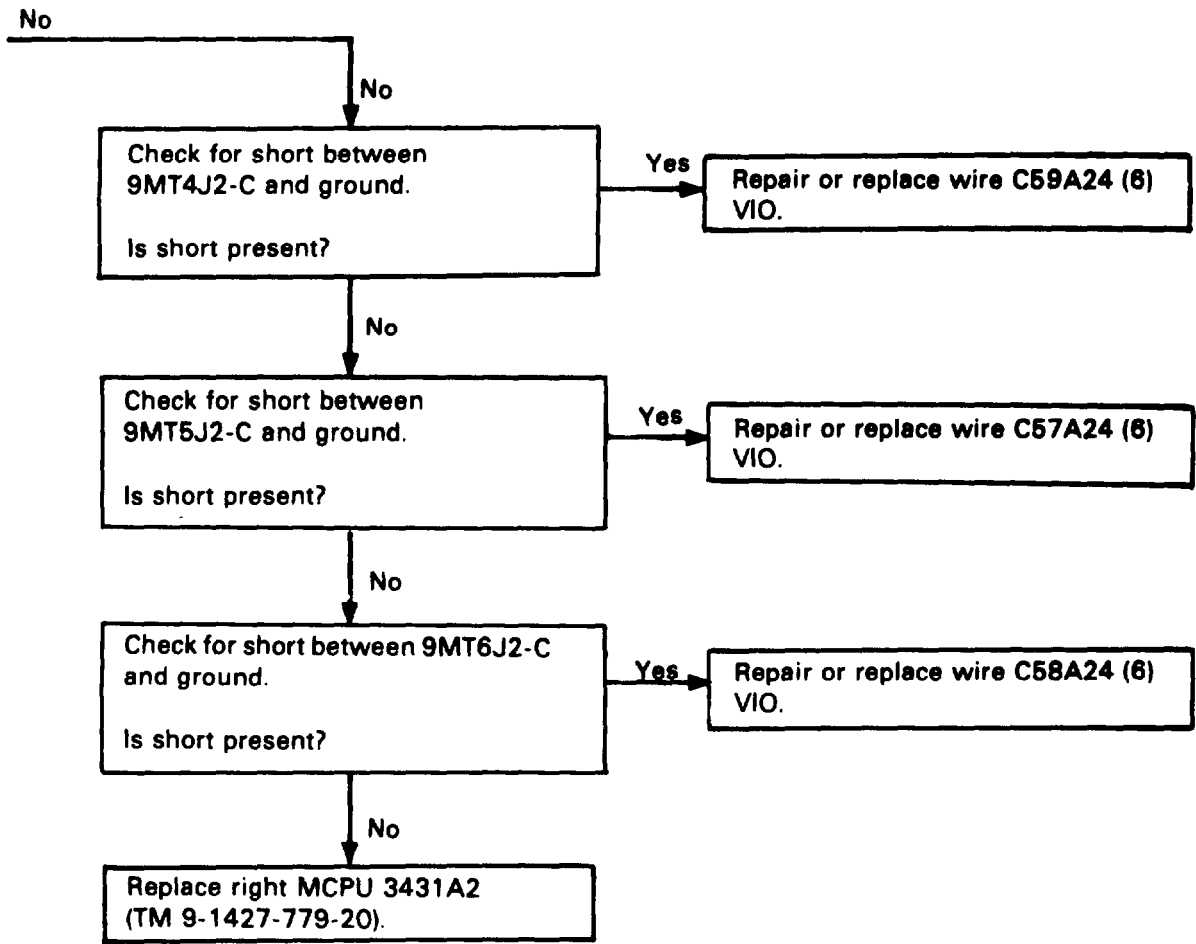
226. PITCH/ROLL AND ONE YAW WILL NOT ENGAGE (CONT)



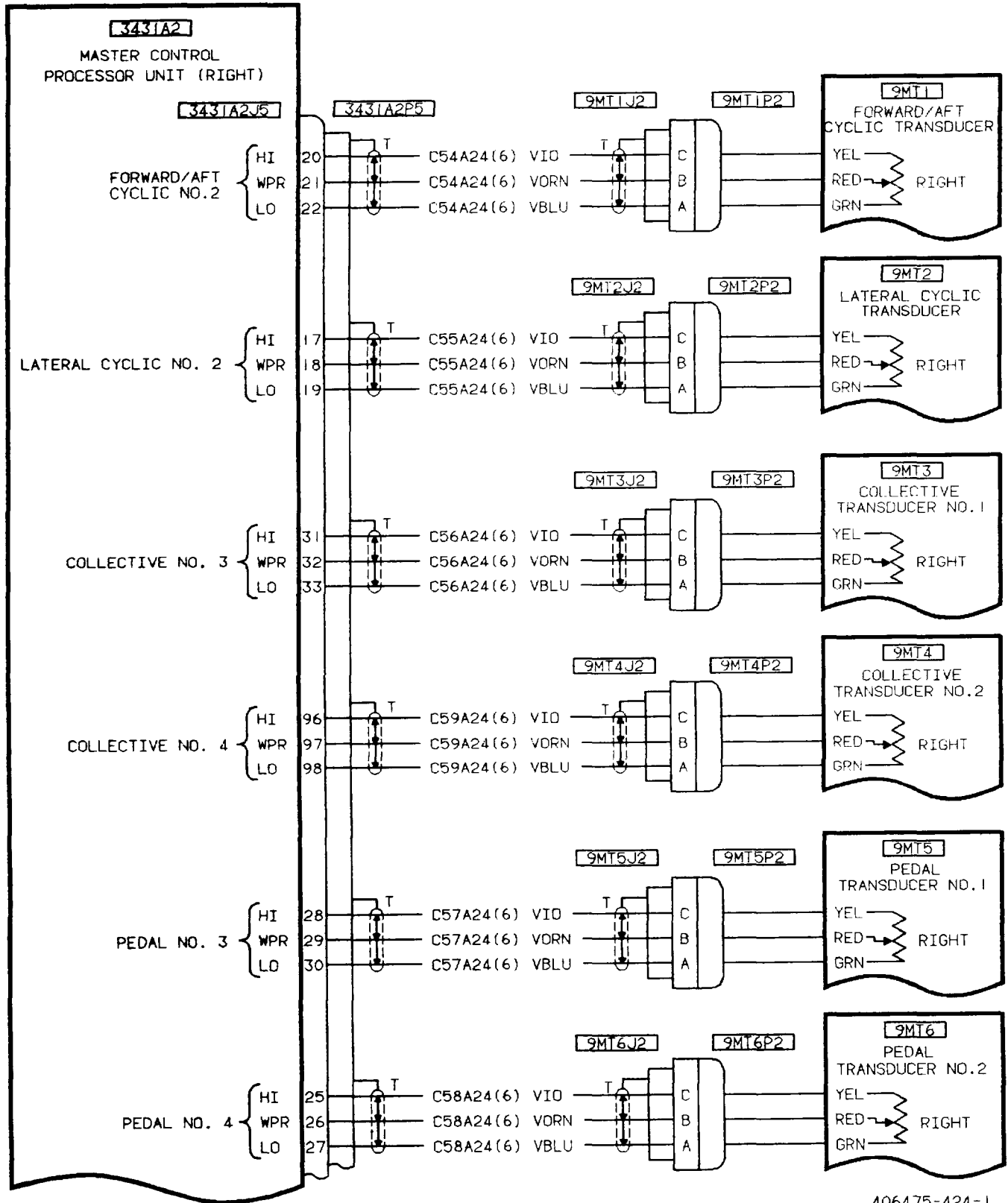
226. PITCH/ROLL AND ONE YAW WILL NOT ENGAGE (CONT)



226. PITCH/ROLL AND ONE YAW WILL NOT ENGAGE (CONT)

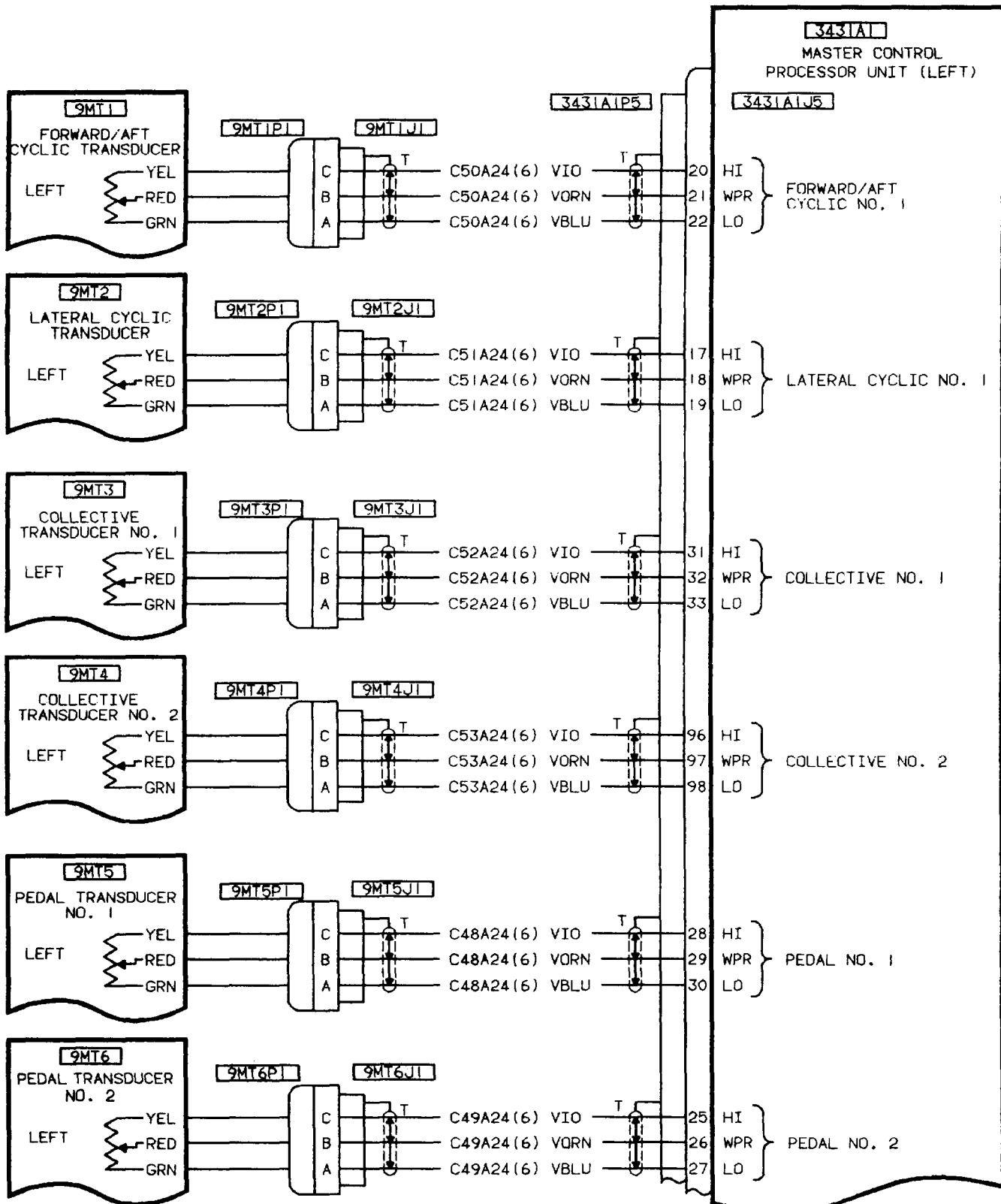


226. PITCH/ROLL AND ONE YAW WILL NOT ENGAGE (CONT)



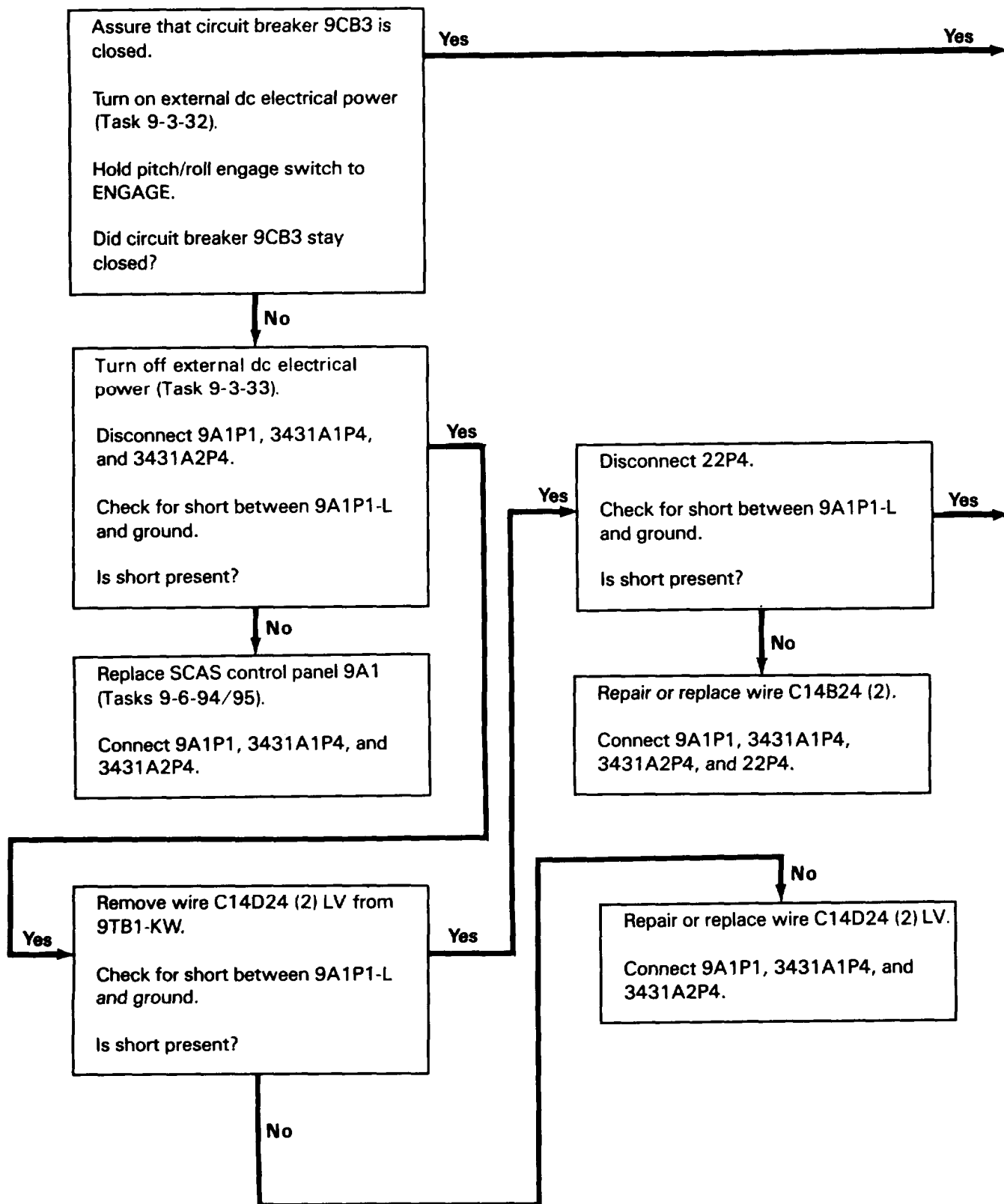
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226. PITCH/ROLL AND ONE YAW WILL NOT ENGAGE (CONT)

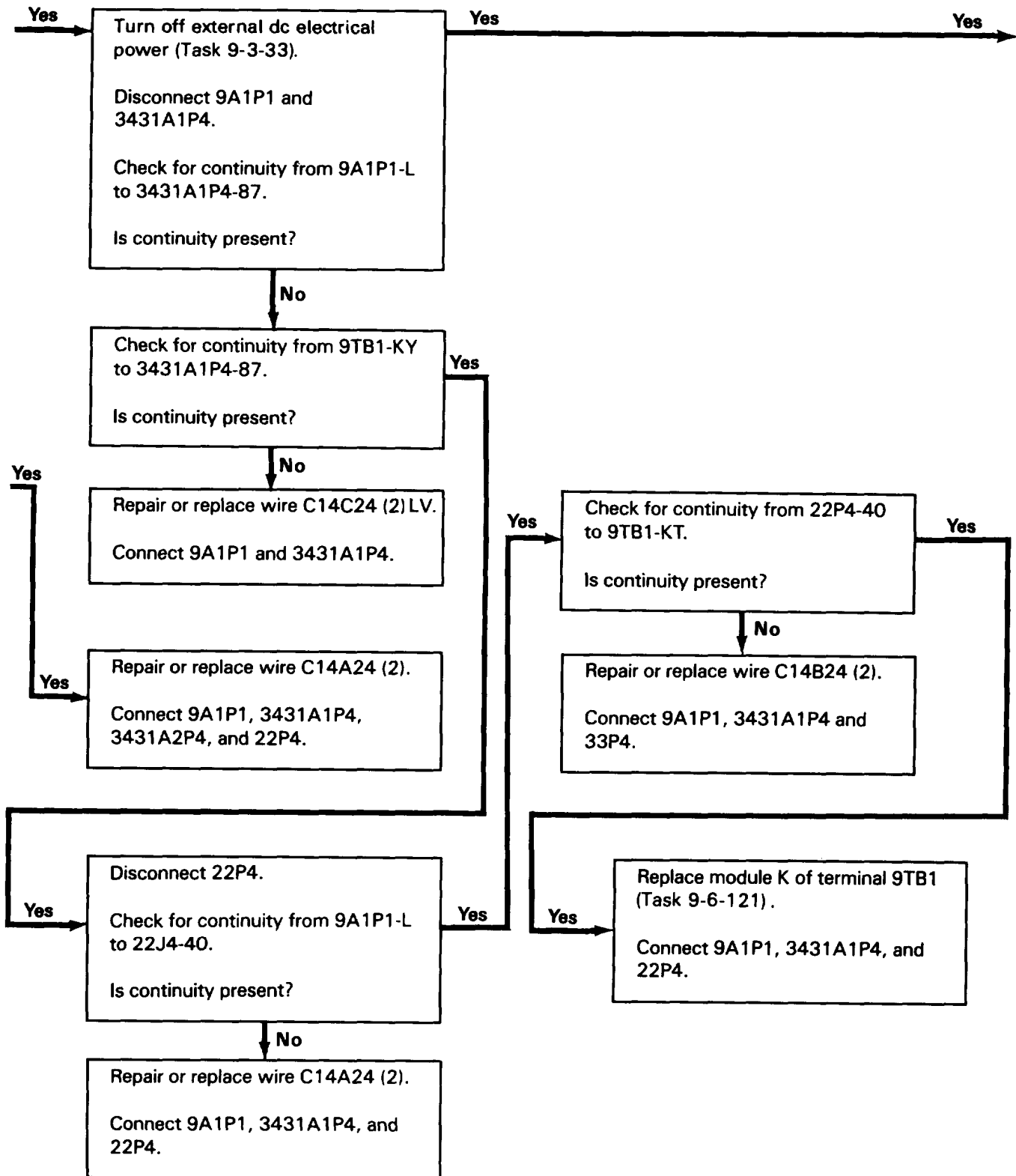


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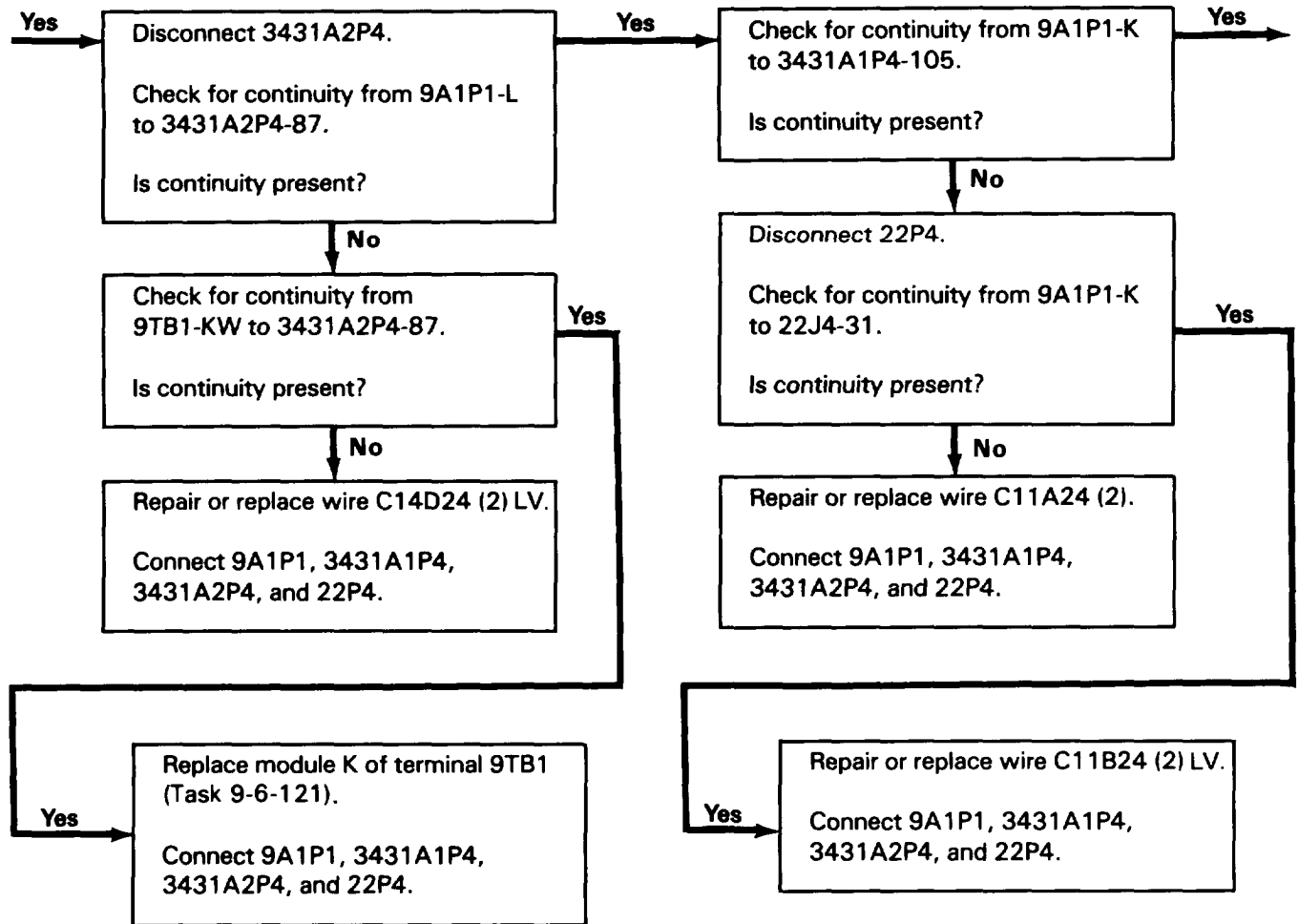
227. PITCH AND ROLL (ONLY) WILL NOT ENGAGE



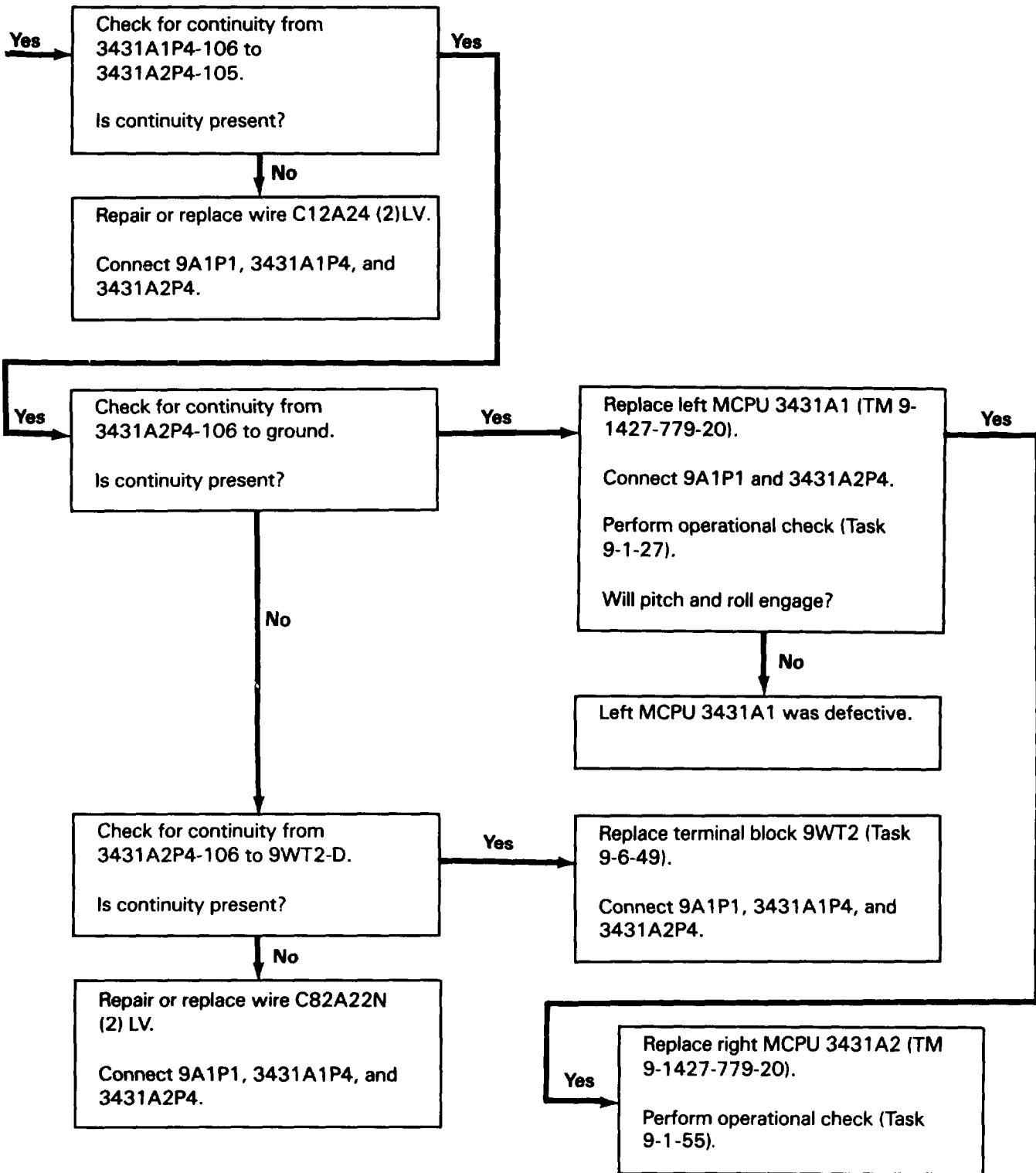
227. PITCH AND ROLL (ONLY) WILL NOT ENGAGE (CONT)



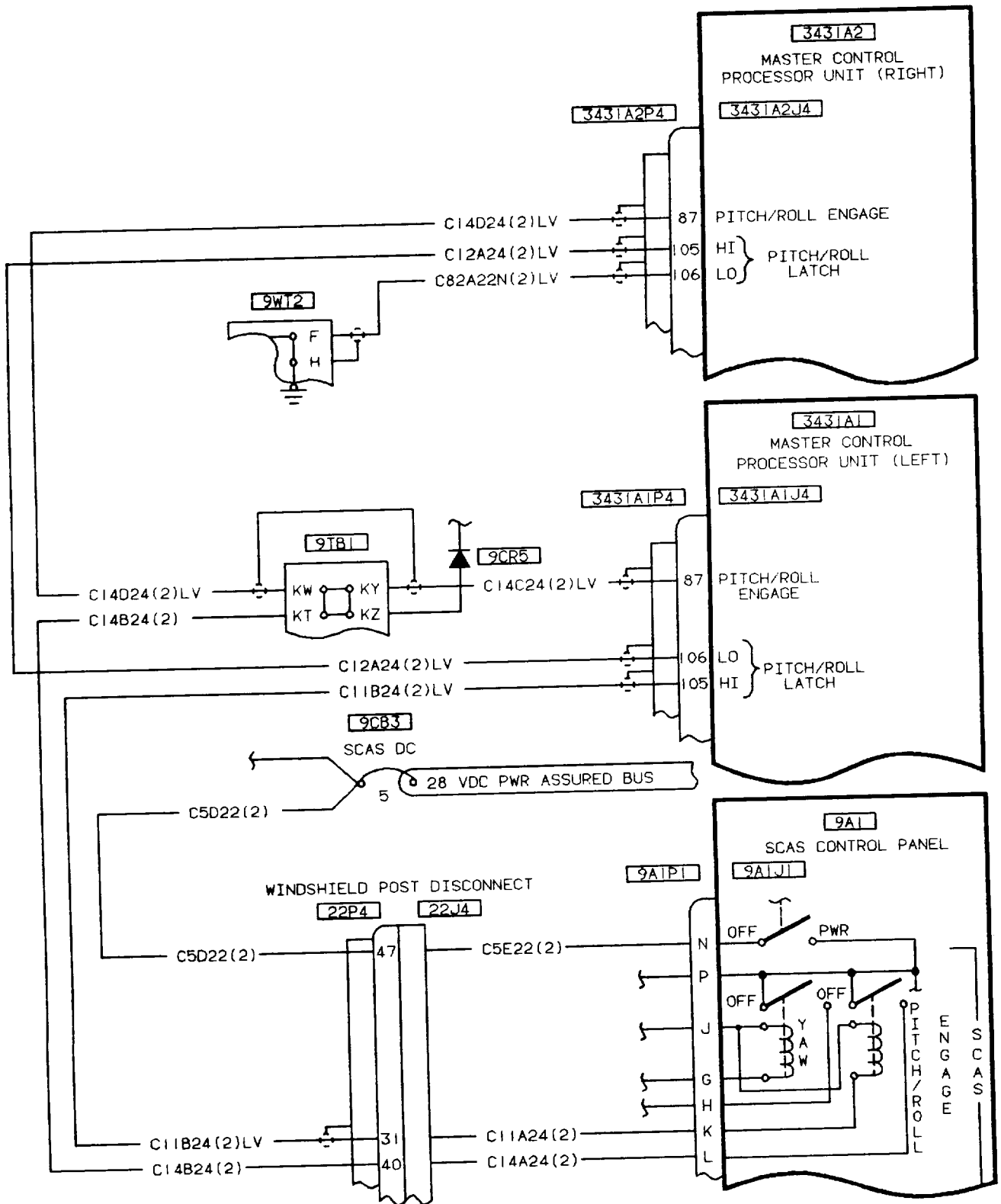
227. PITCH AND ROLL (ONLY) WILL NOT ENGAGE (CONT)



227. PITCH AND ROLL (ONLY) WILL NOT ENGAGE (CONT)

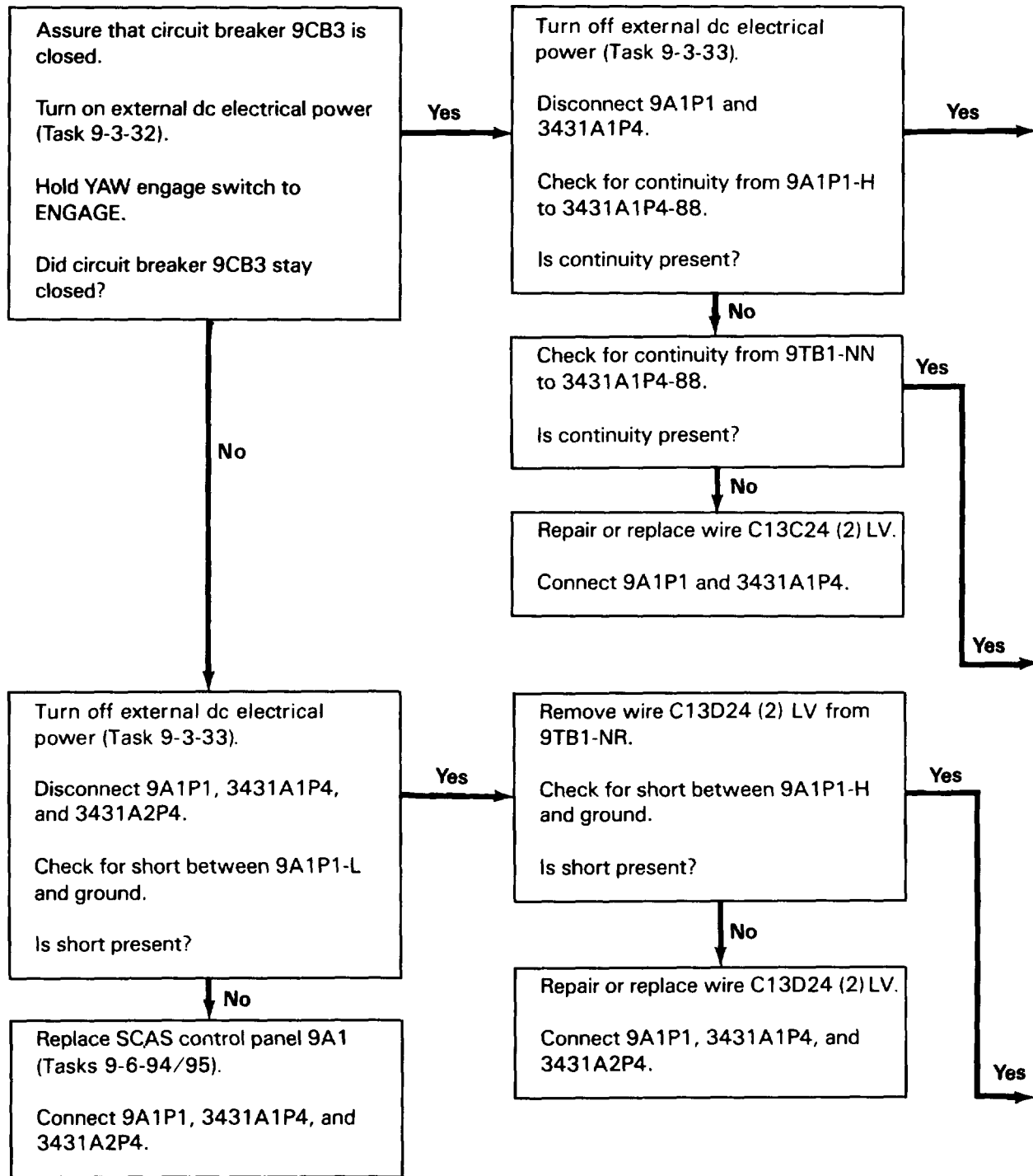


227. PITCH AND ROLL (ONLY) WILL NOT ENGAGE (CONT)

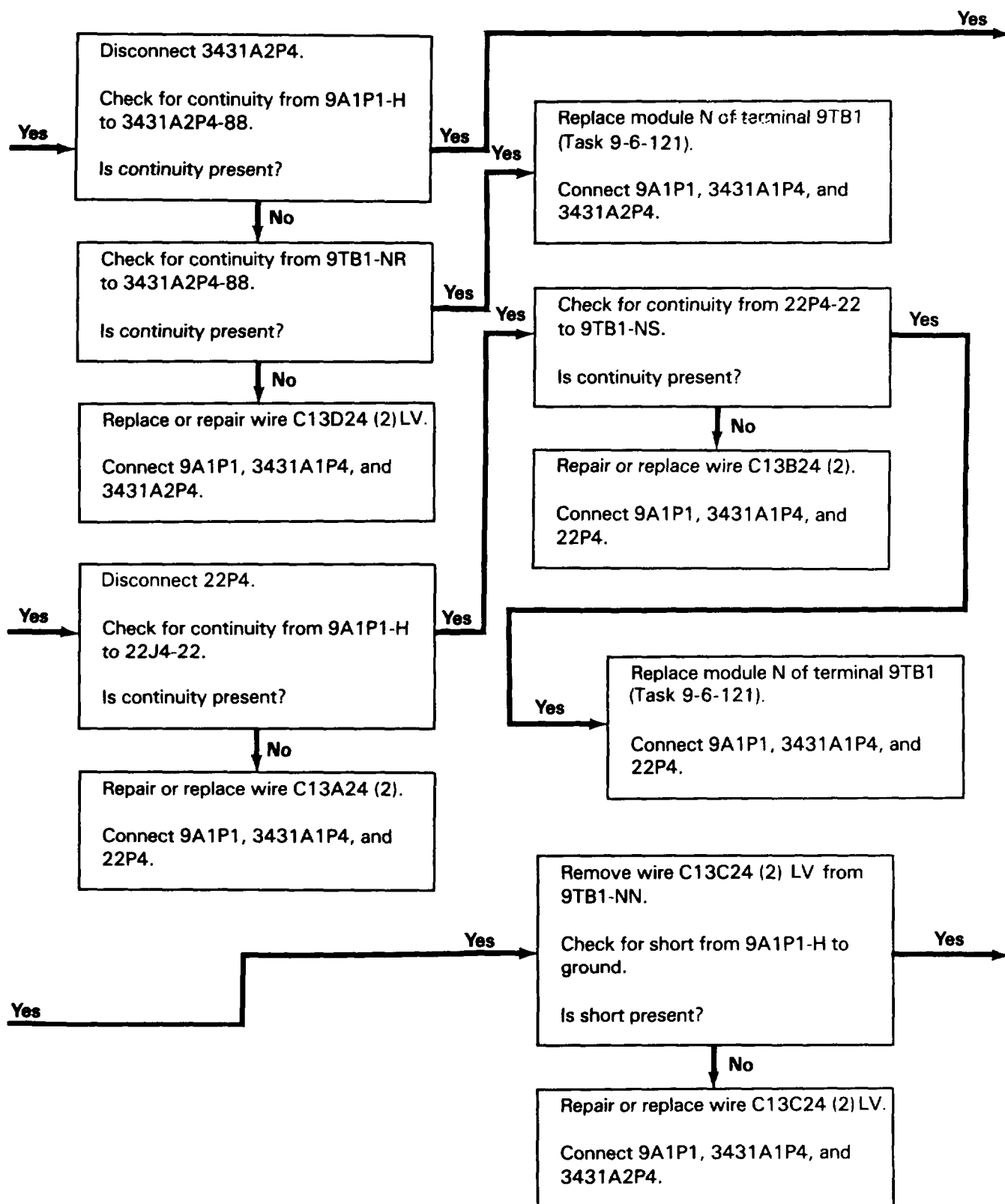


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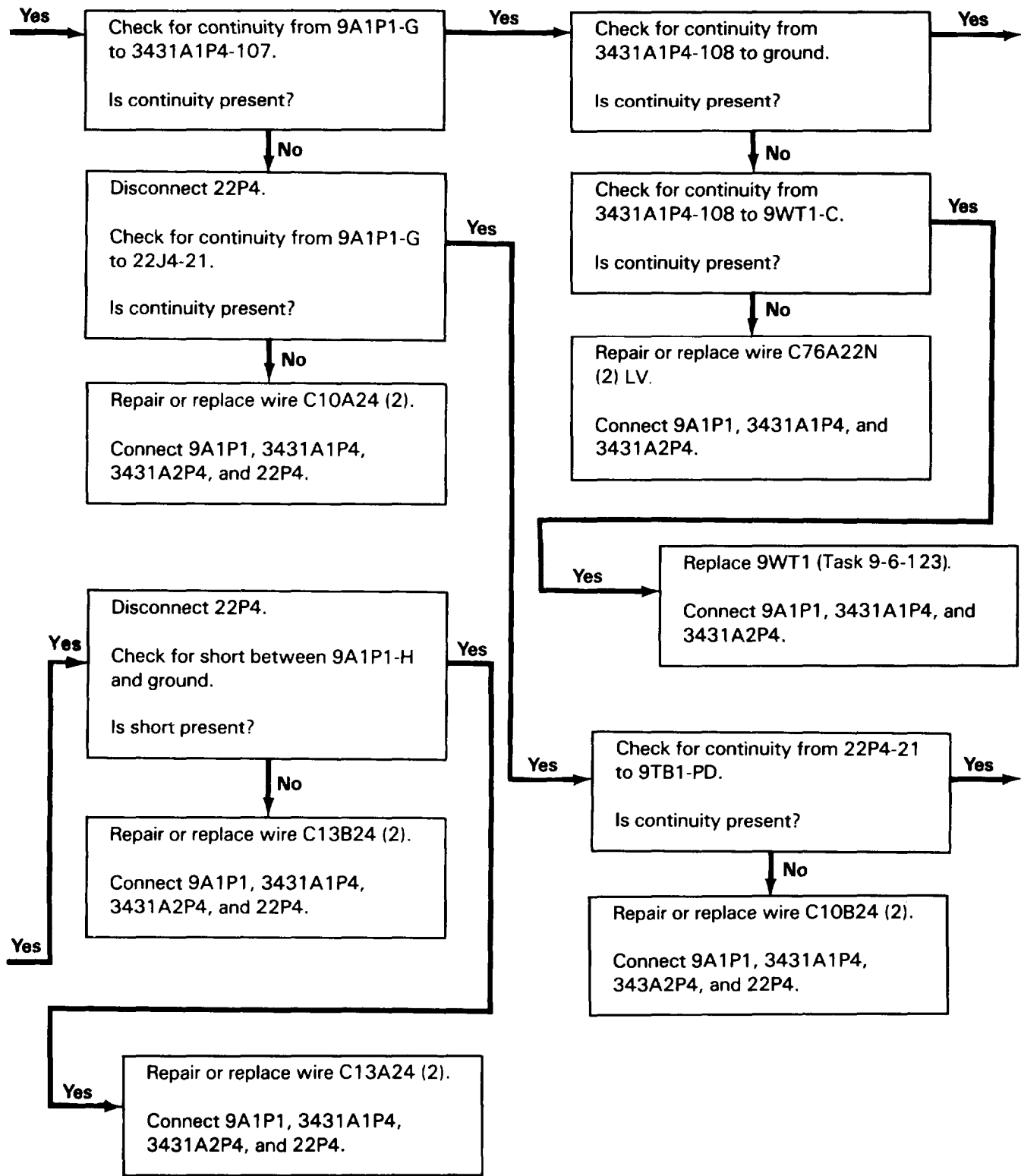
228. YAW (ONLY) WILL NOT ENGAGE



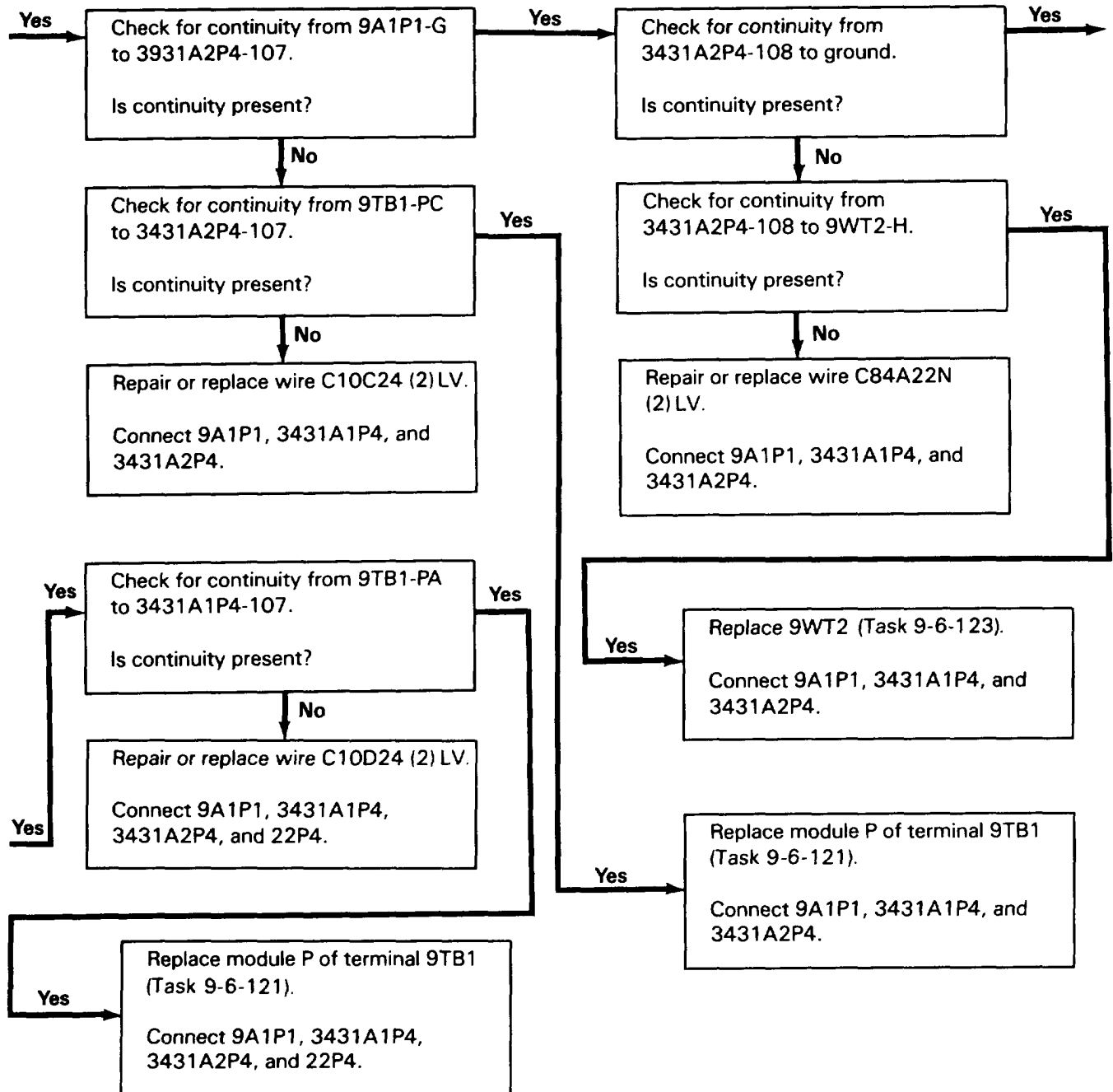
228. YAW (ONLY) WILL NOT ENGAGE (CONT)



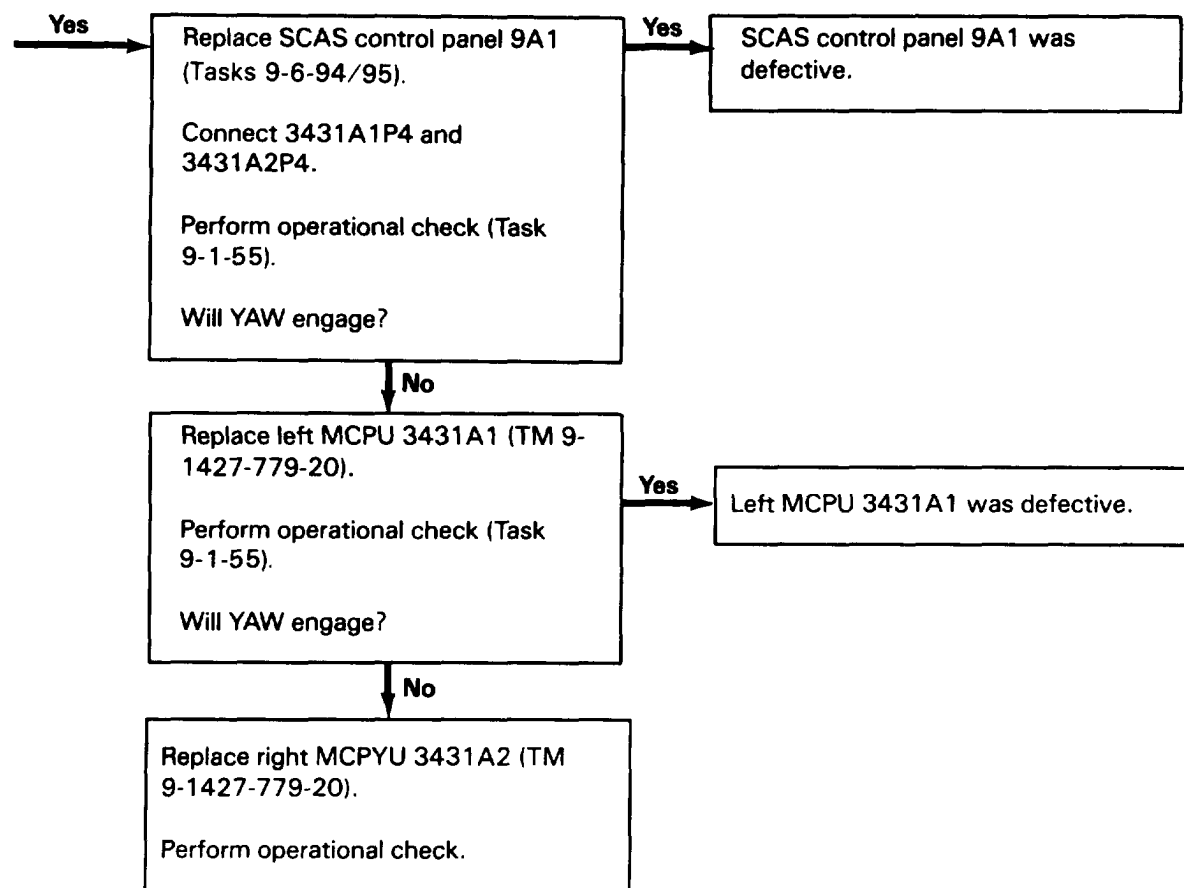
228. YAW (ONLY) WILL NOT ENGAGE (CONT)



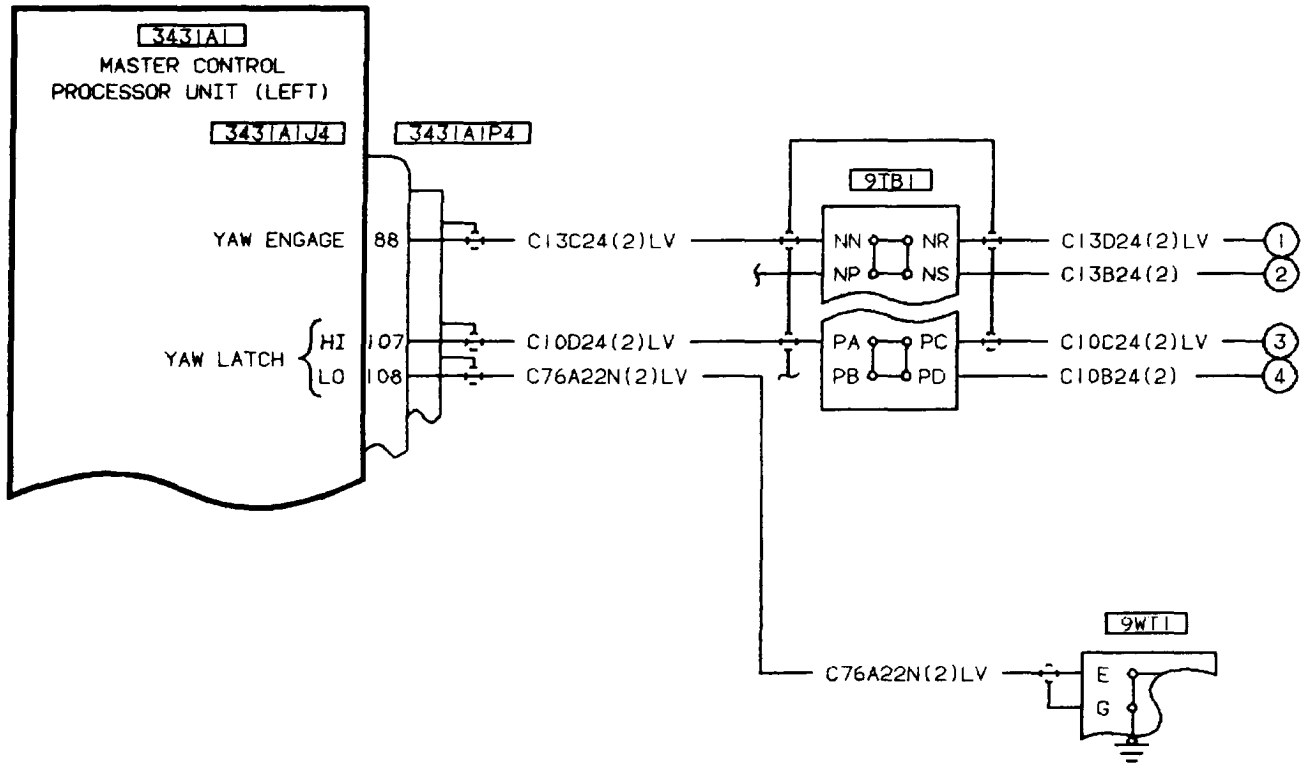
228. YAW (ONLY) WILL NOT ENGAGE (CONT)



228. YAW (ONLY) WILL NOT ENGAGE (CONT)

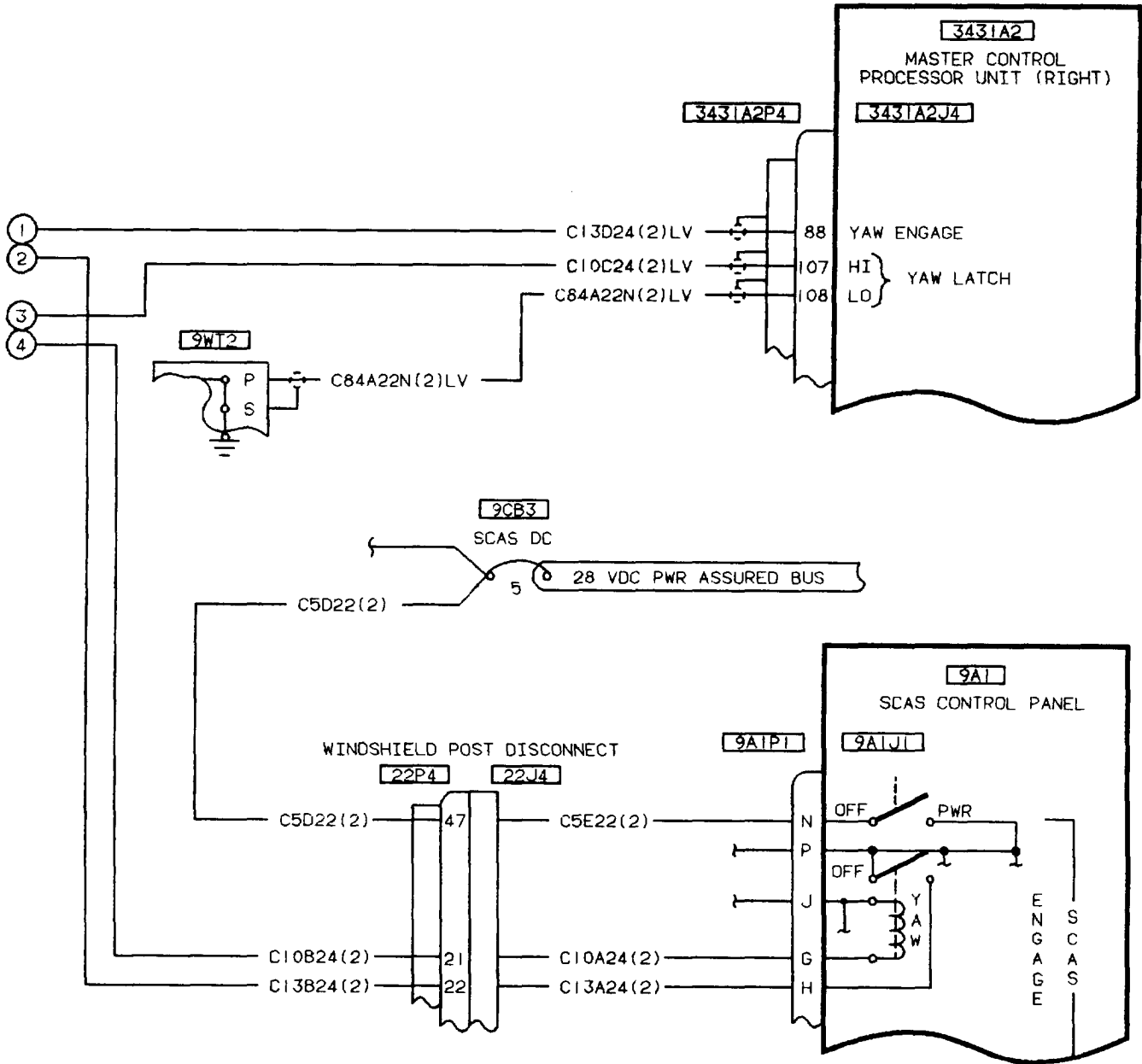


228. YAW (ONLY) WILL NOT ENGAGE (CONT)



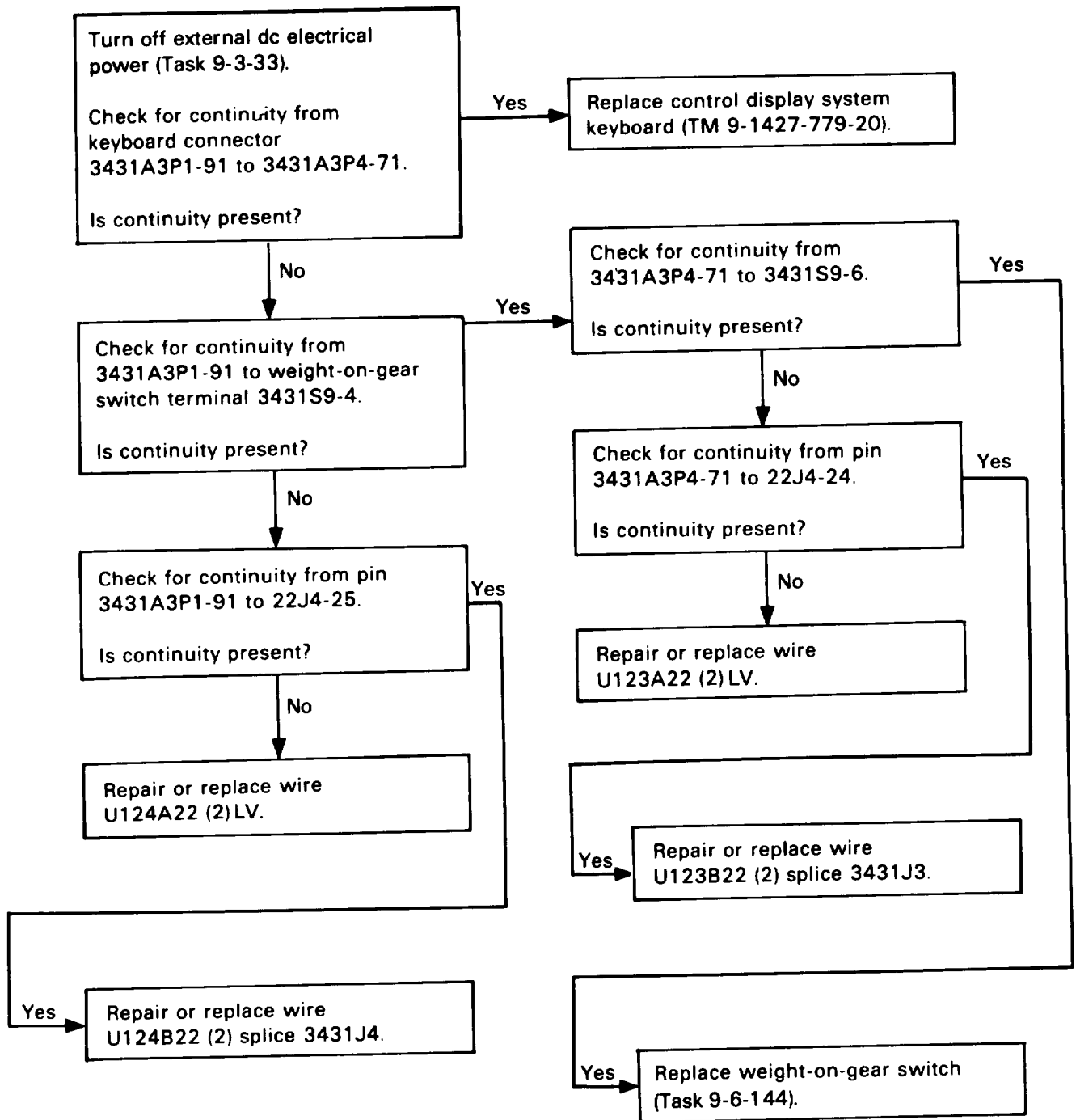
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228. YAW (ONLY) WILL NOT ENGAGE (CONT)

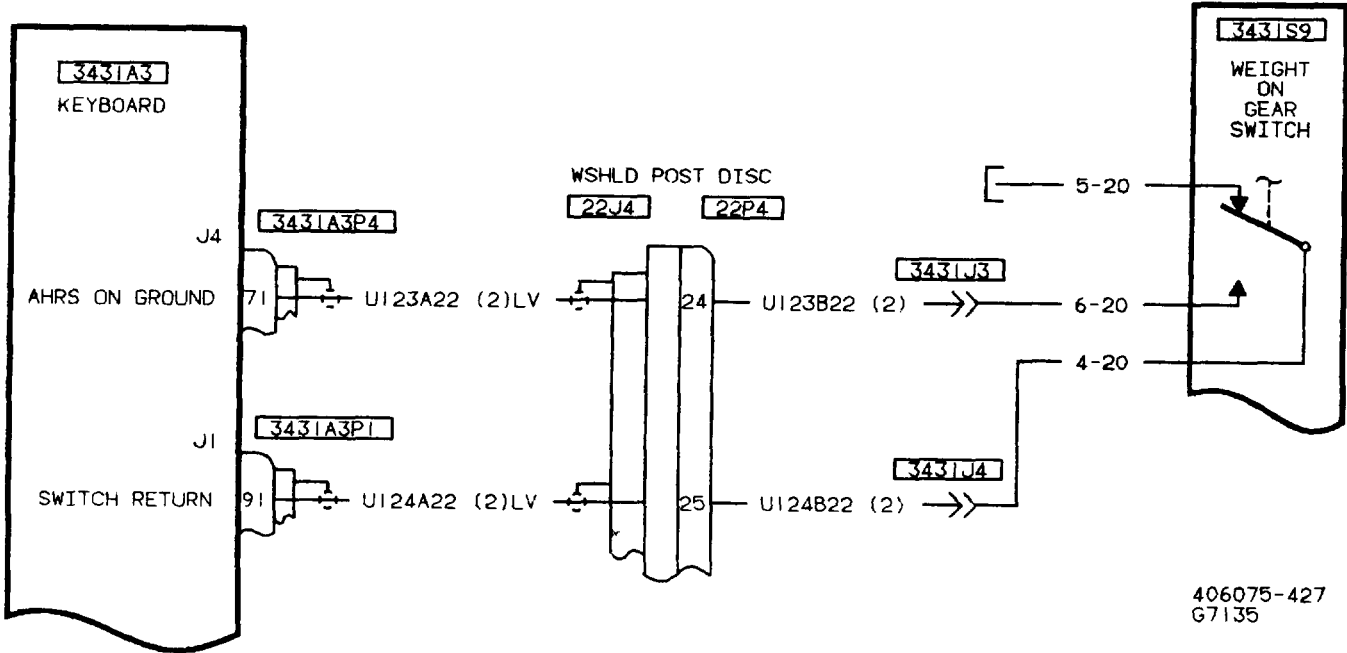


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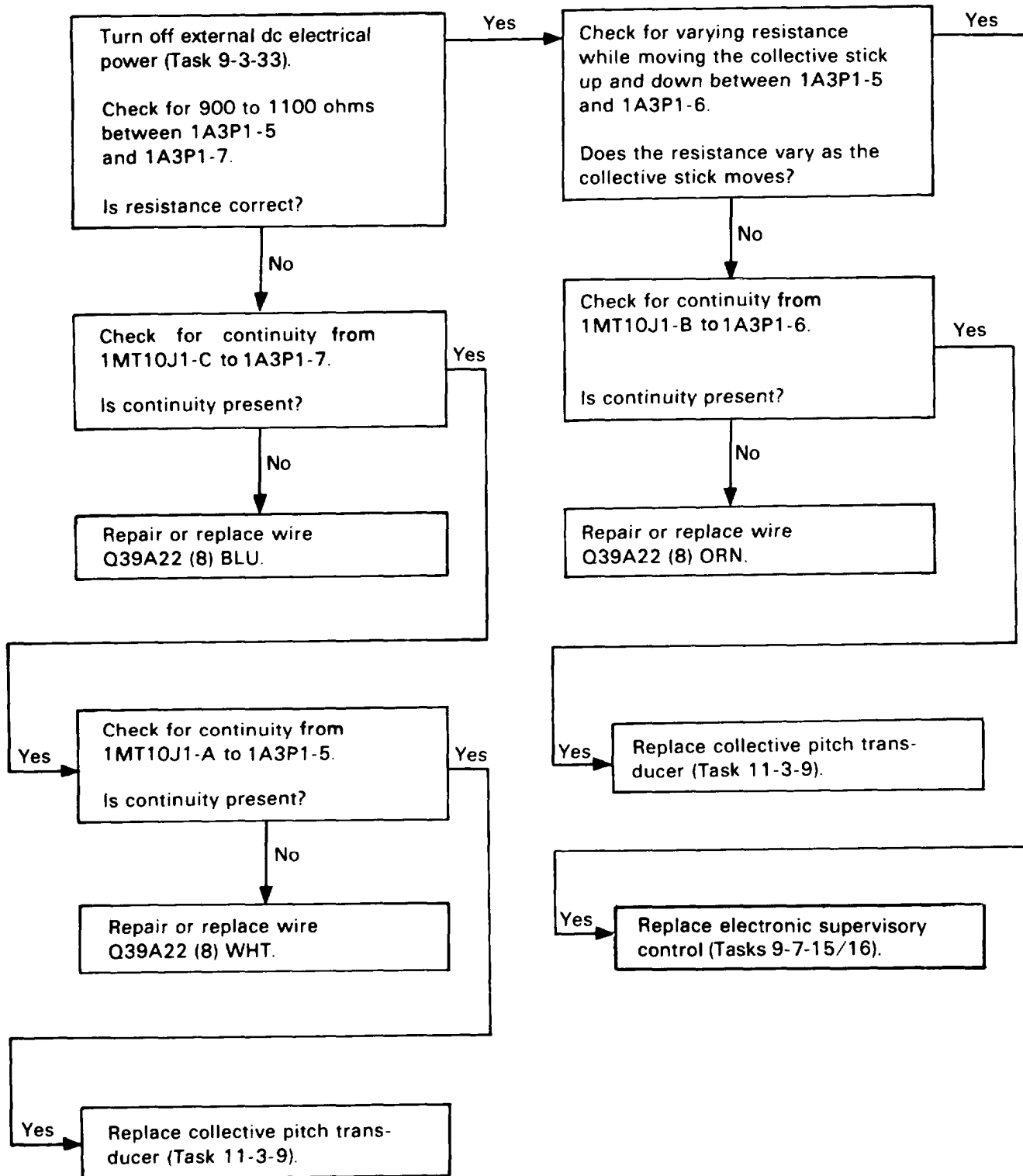
229. FDL MENU PAGE WILL NOT APPEAR



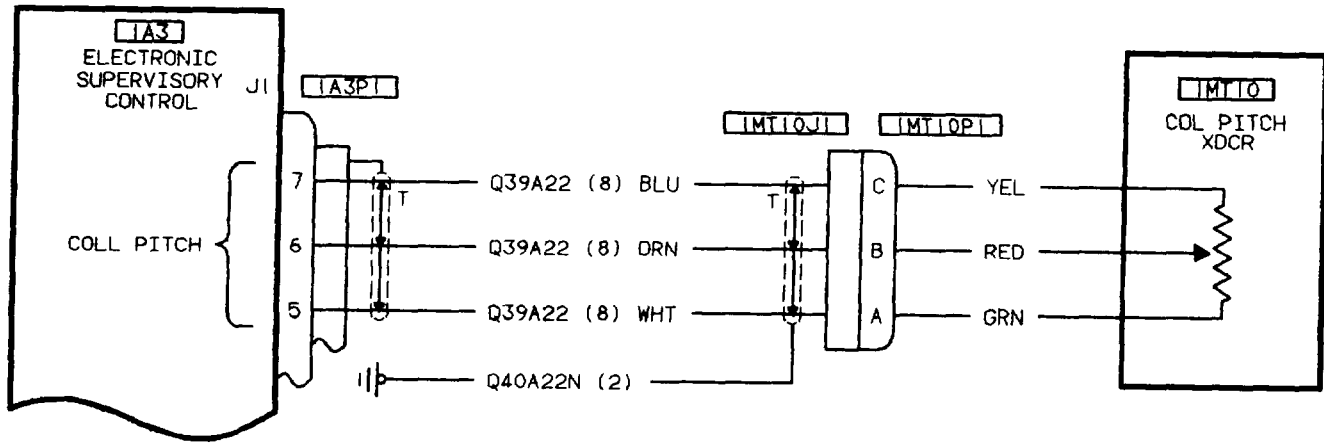
229. FDL MENU PAGE WILL NOT APPEAR (CONT)



230. ENGINE DROOPS DURING INCREASE IN COLLECTIVE

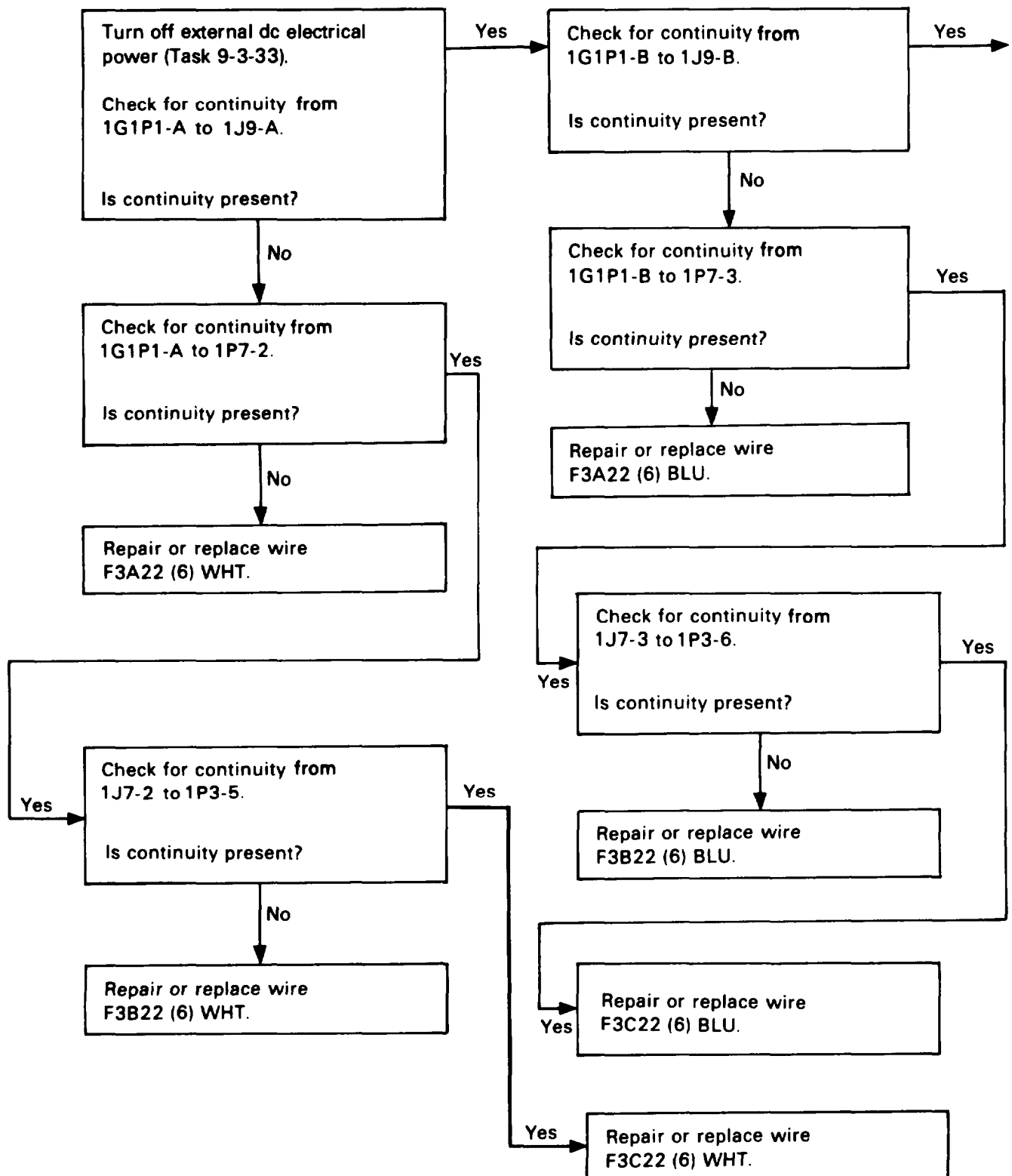


230. ENGINE DROOPS DURING INCREASE IN COLLECTIVE (CONT)

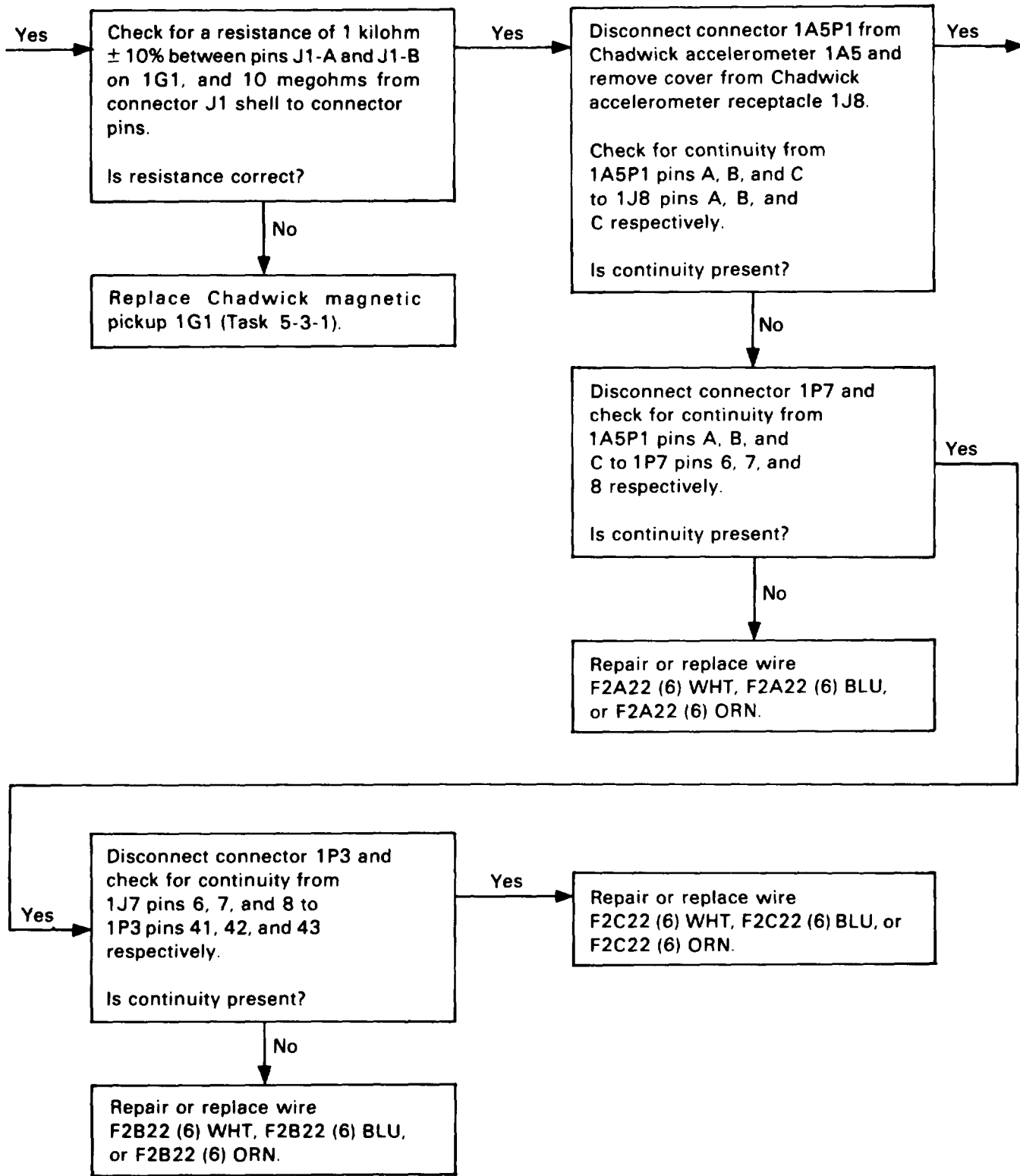


406475-428
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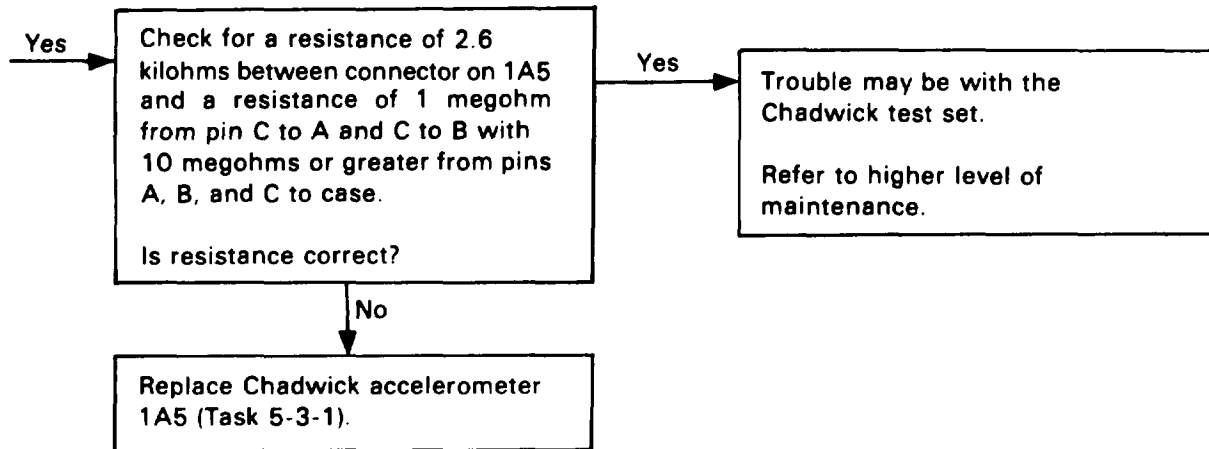
231. CHADWICK ROTOR BALANCING EQUIPMENT INOPERATIVE



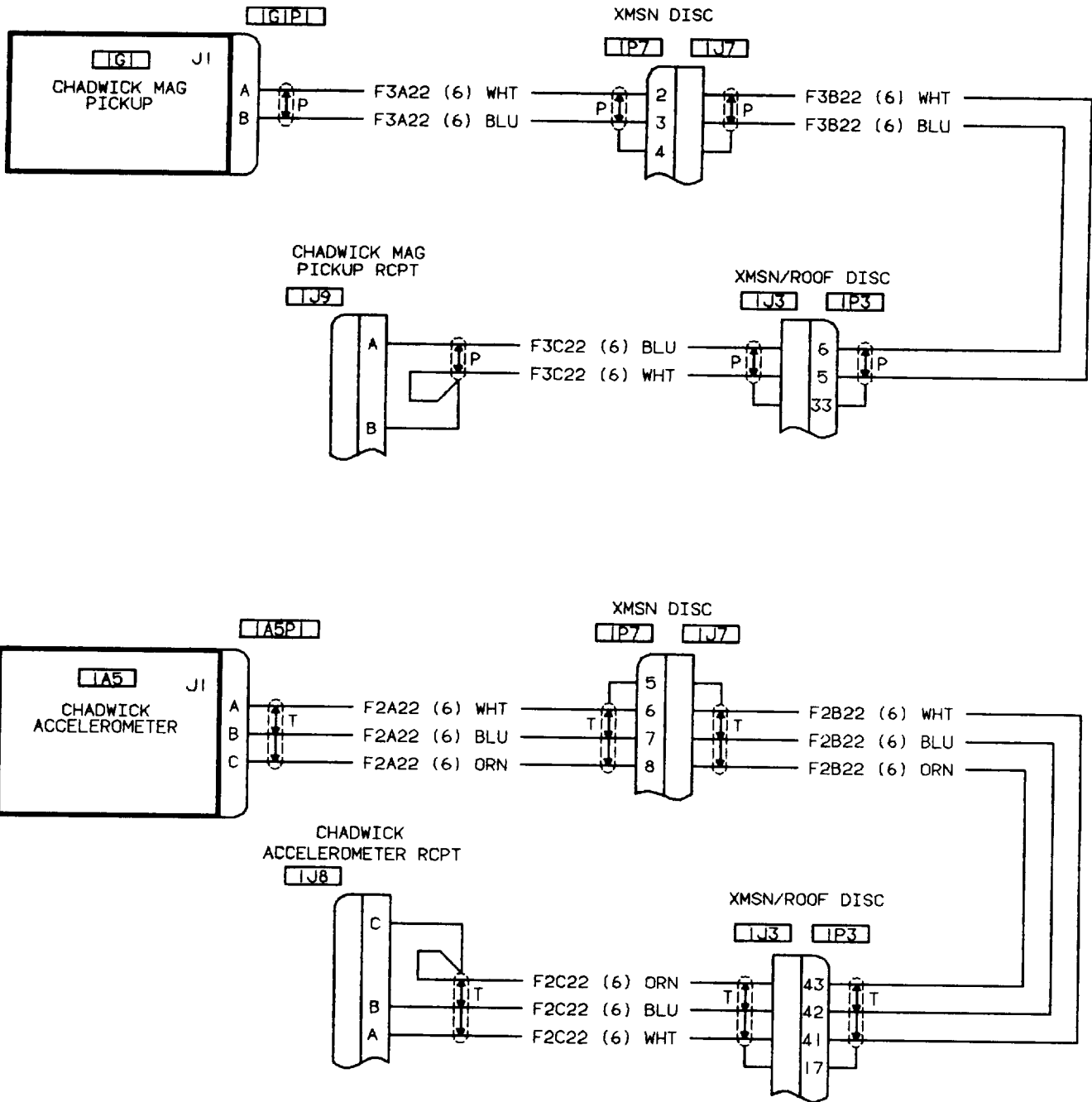
231. CHADWICK ROTOR BALANCING EQUIPMENT INOPERATIVE (CONT)



231. CHADWICK ROTOR BALANCING EQUIPMENT INOPERATIVE (CONT)

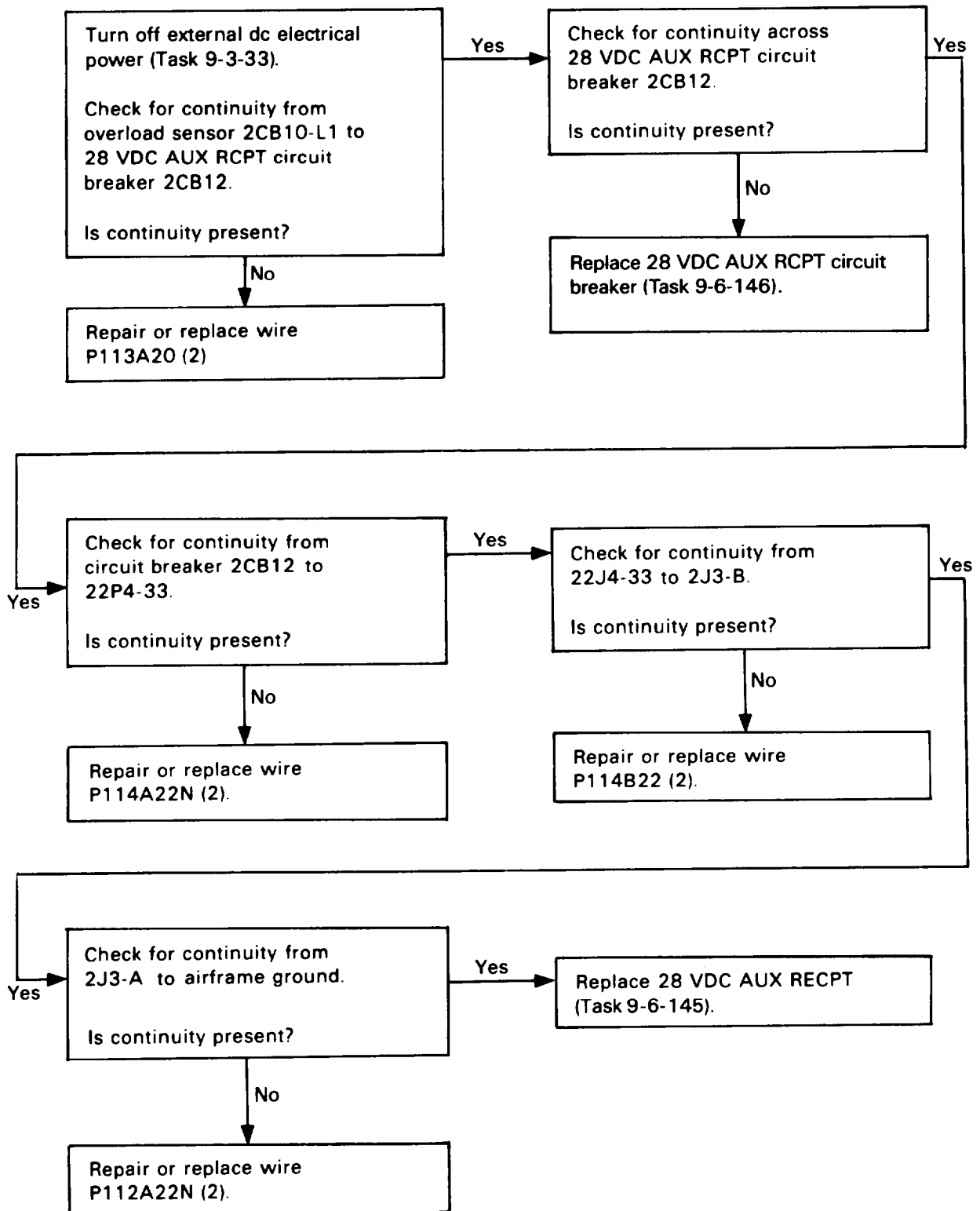


231. CHADWICK ROTOR BALANCING EQUIPMENT INOPERATIVE (CONT)

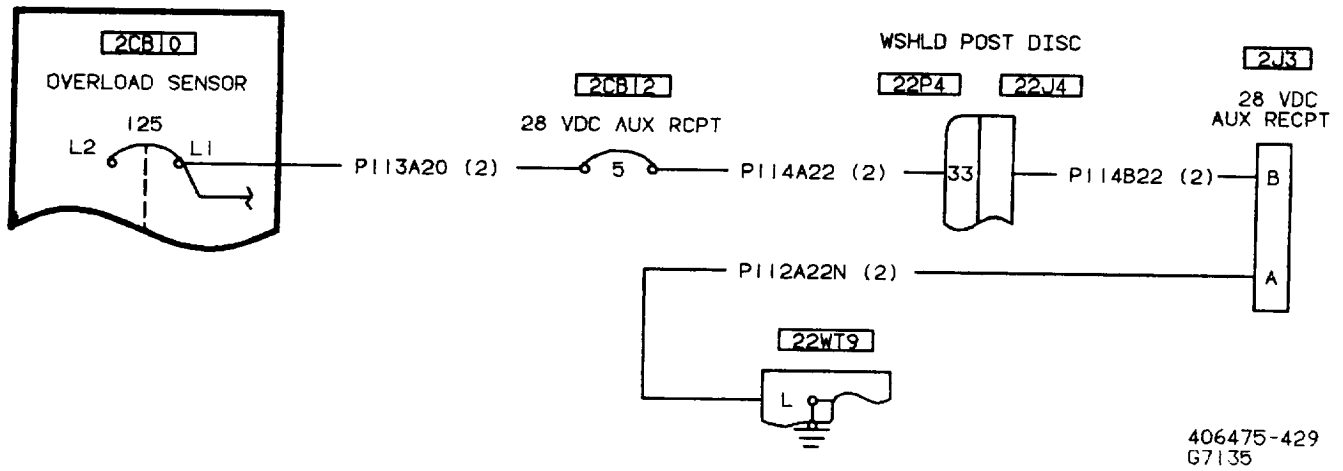


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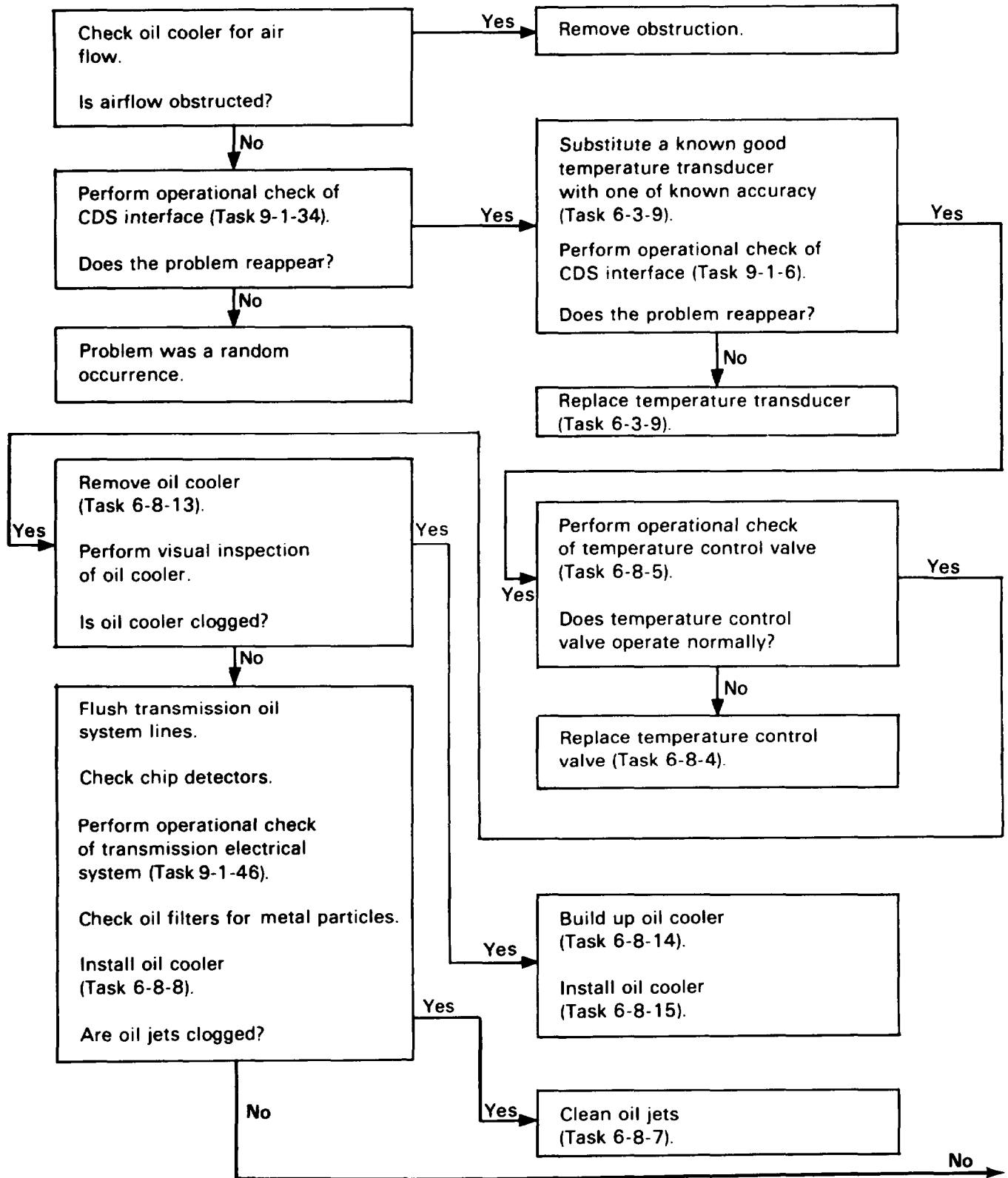
232. AUXILIARY 28 VDC RECEPTACLE WILL NOT SUPPLY VOLTAGE



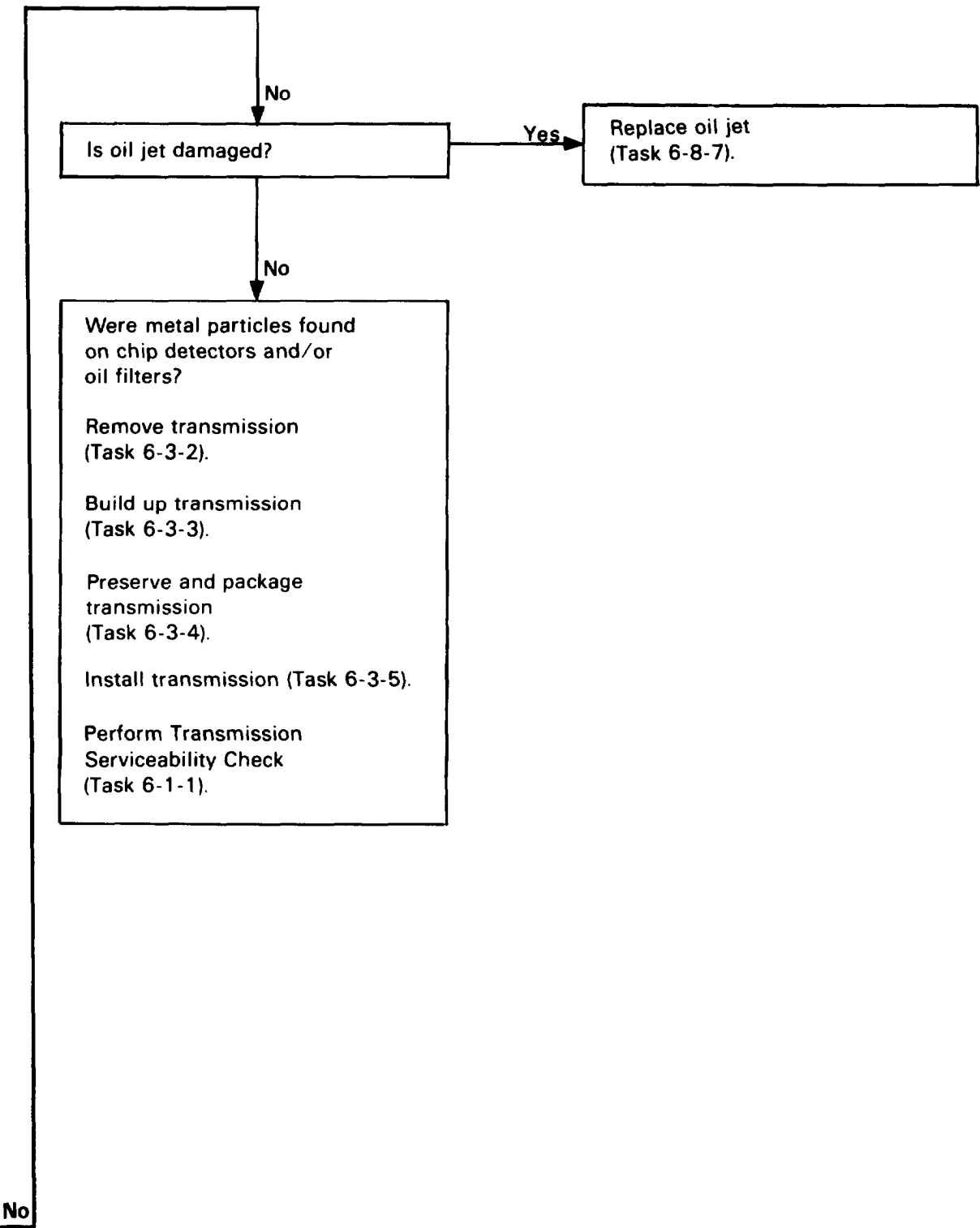
232. AUXILIARY 28 VDC RECEPTACLE WILL NOT SUPPLY VOLTAGE (CONT)



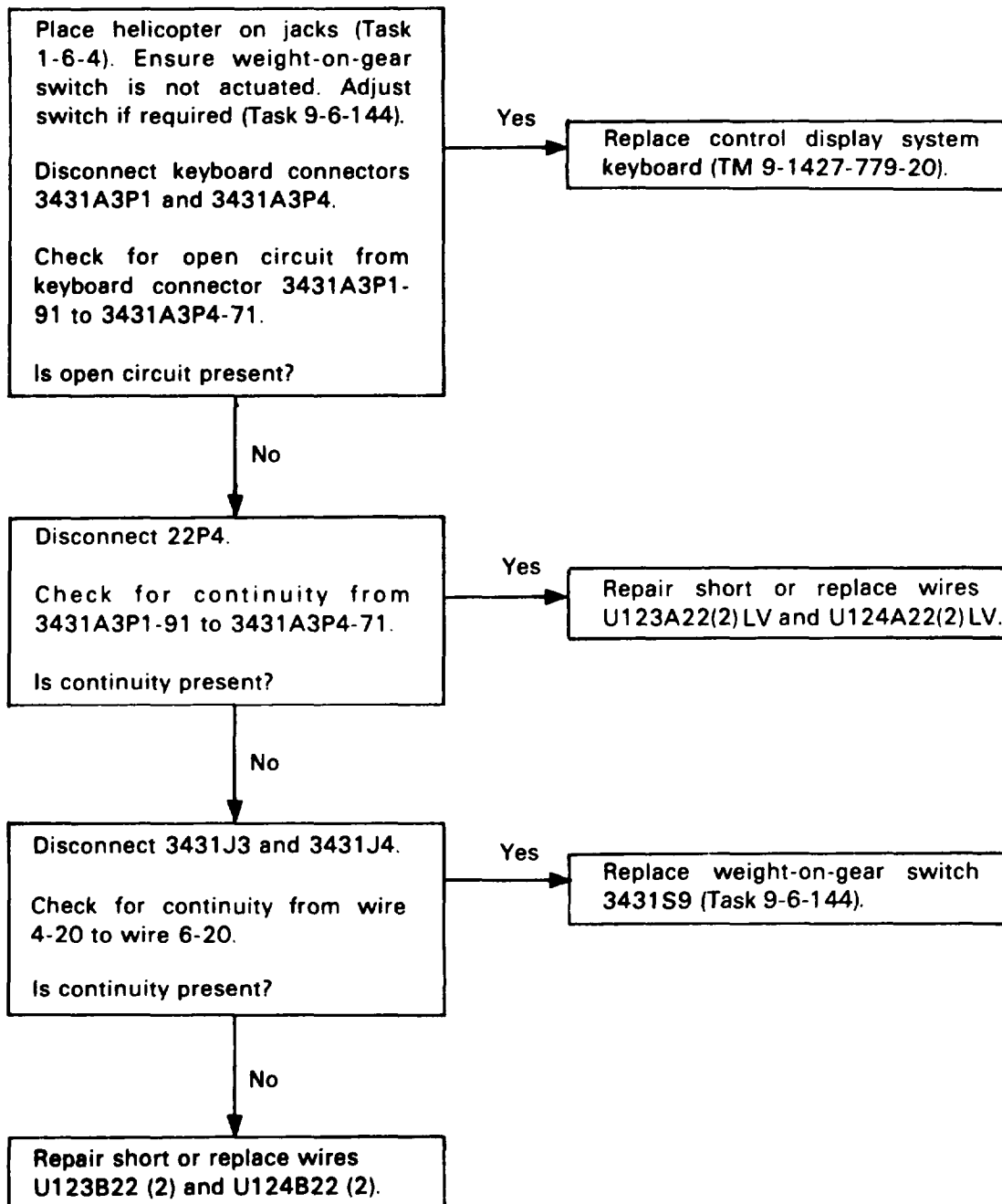
233. TRANSMISSION OIL CAUTION MESSAGE ON MFD AND TRANS OIL °C X 10 (MPD)
READS ABOVE LIMIT



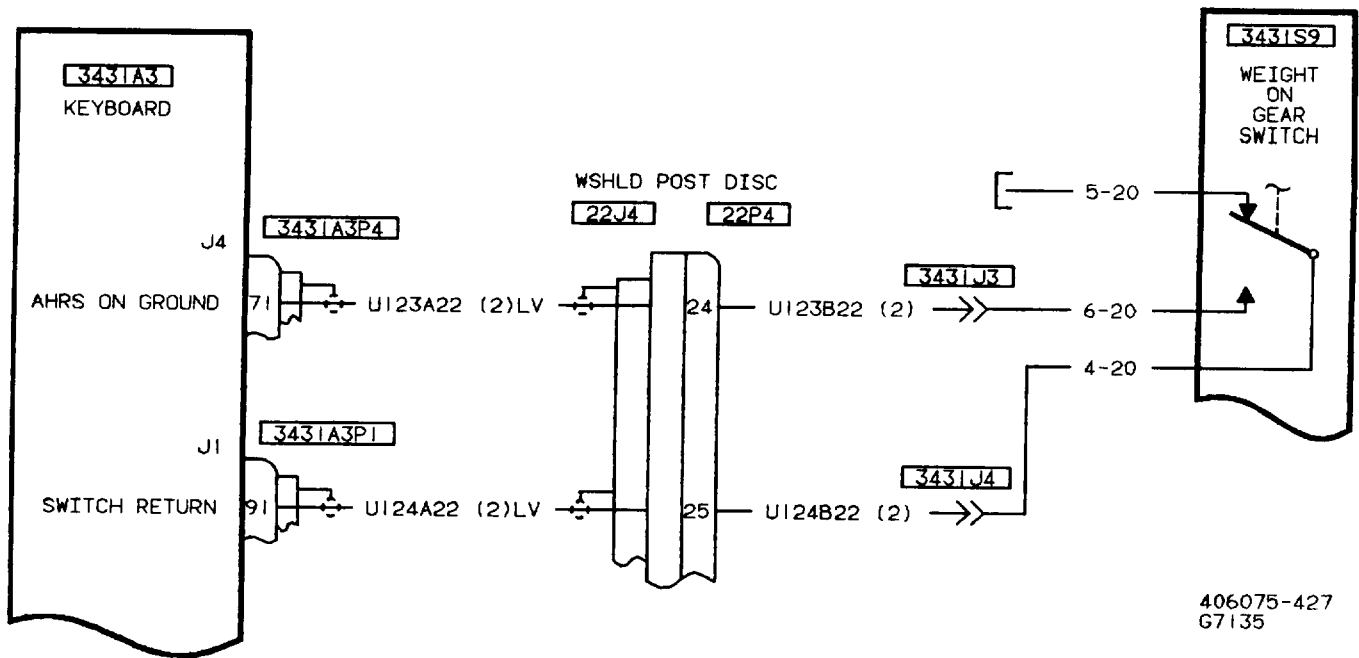
233. TRANSMISSION OIL TEMP CAUTION MESSAGE ON MFD AND TRANS OIL °CX 10 (MPD) READS ABOVE LIMIT (CONT)



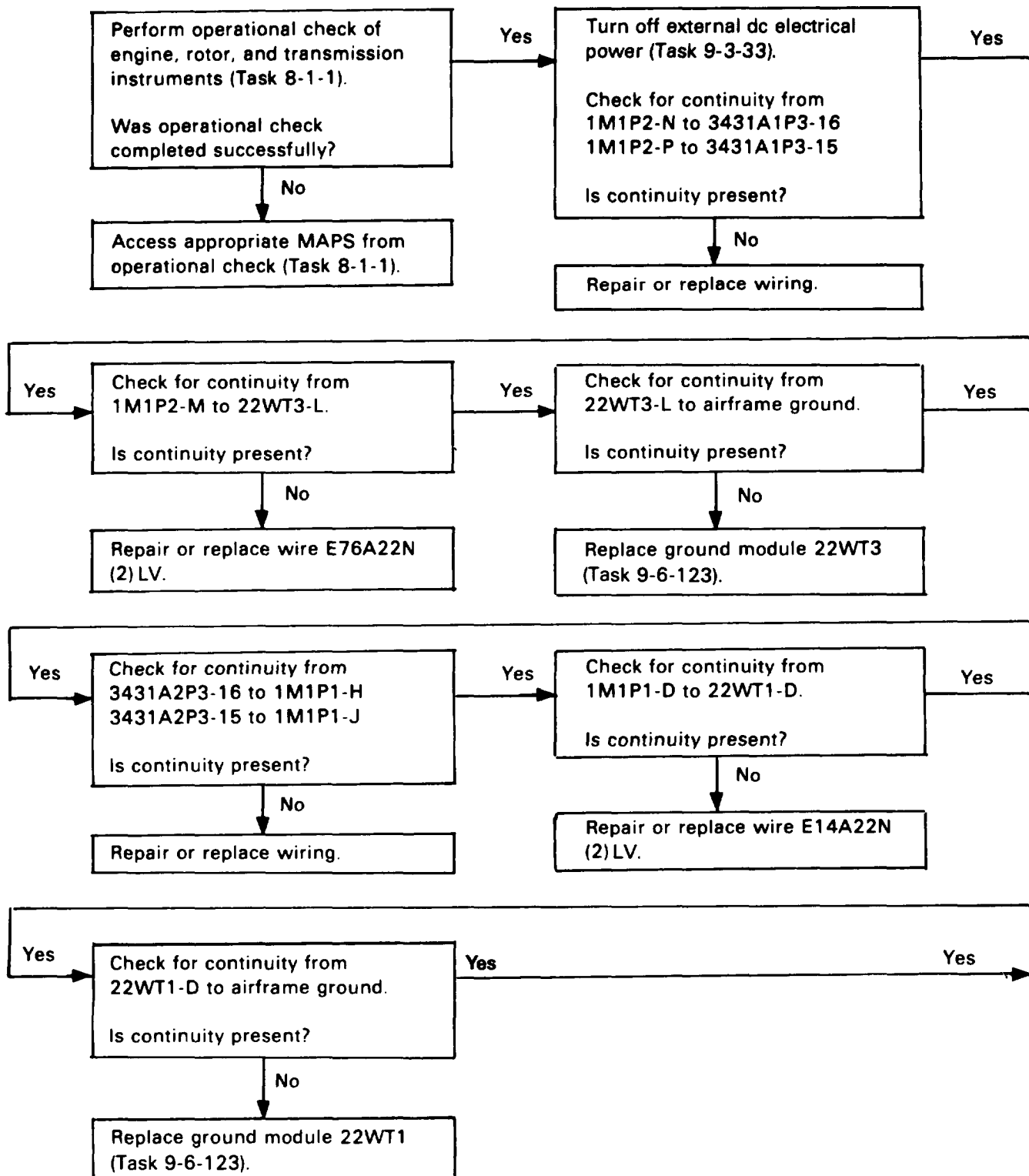
234. FDL MENU PAGE APPEARS IN FLIGHT



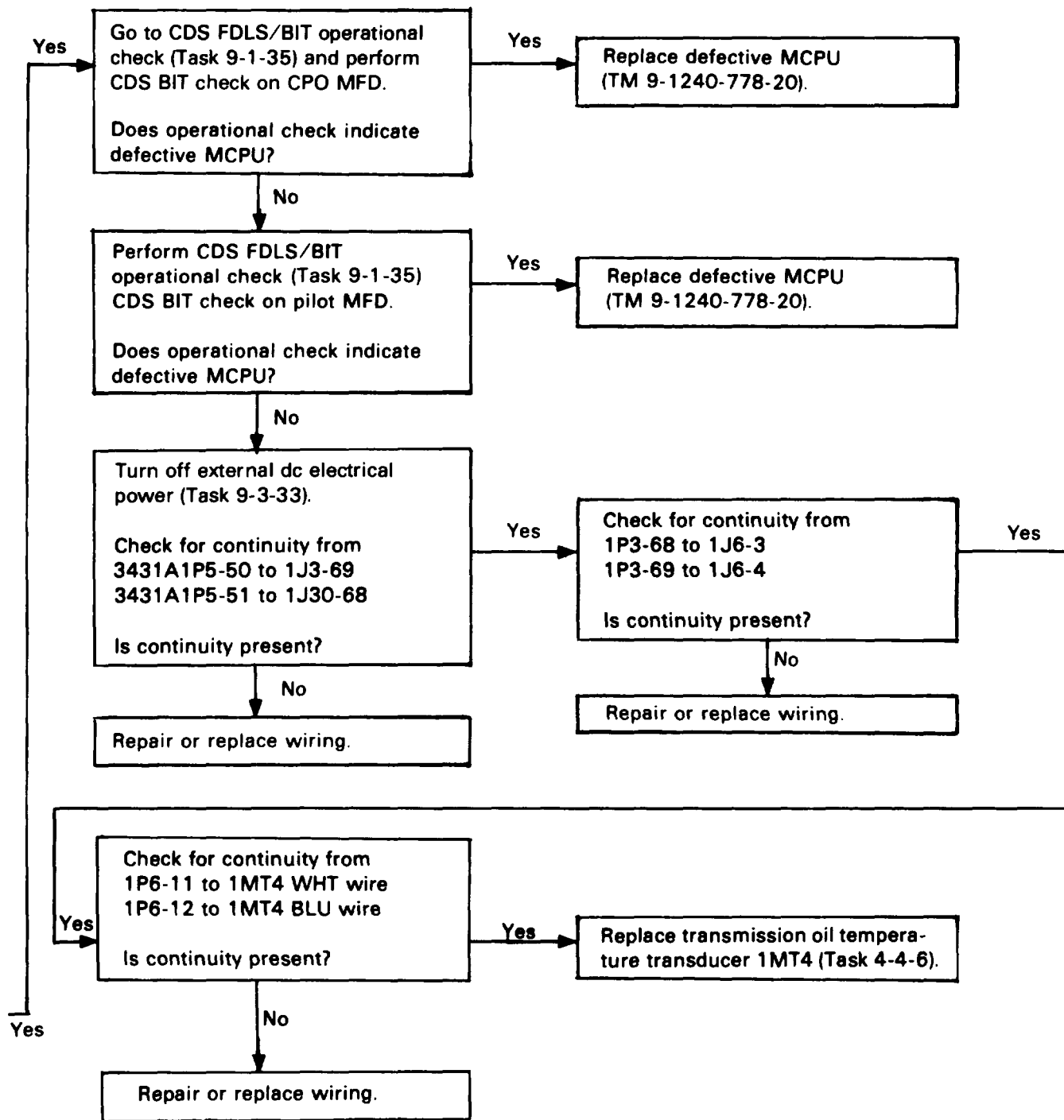
234. FDL MENU PAGE APPEARS IN FLIGHT (CONT)



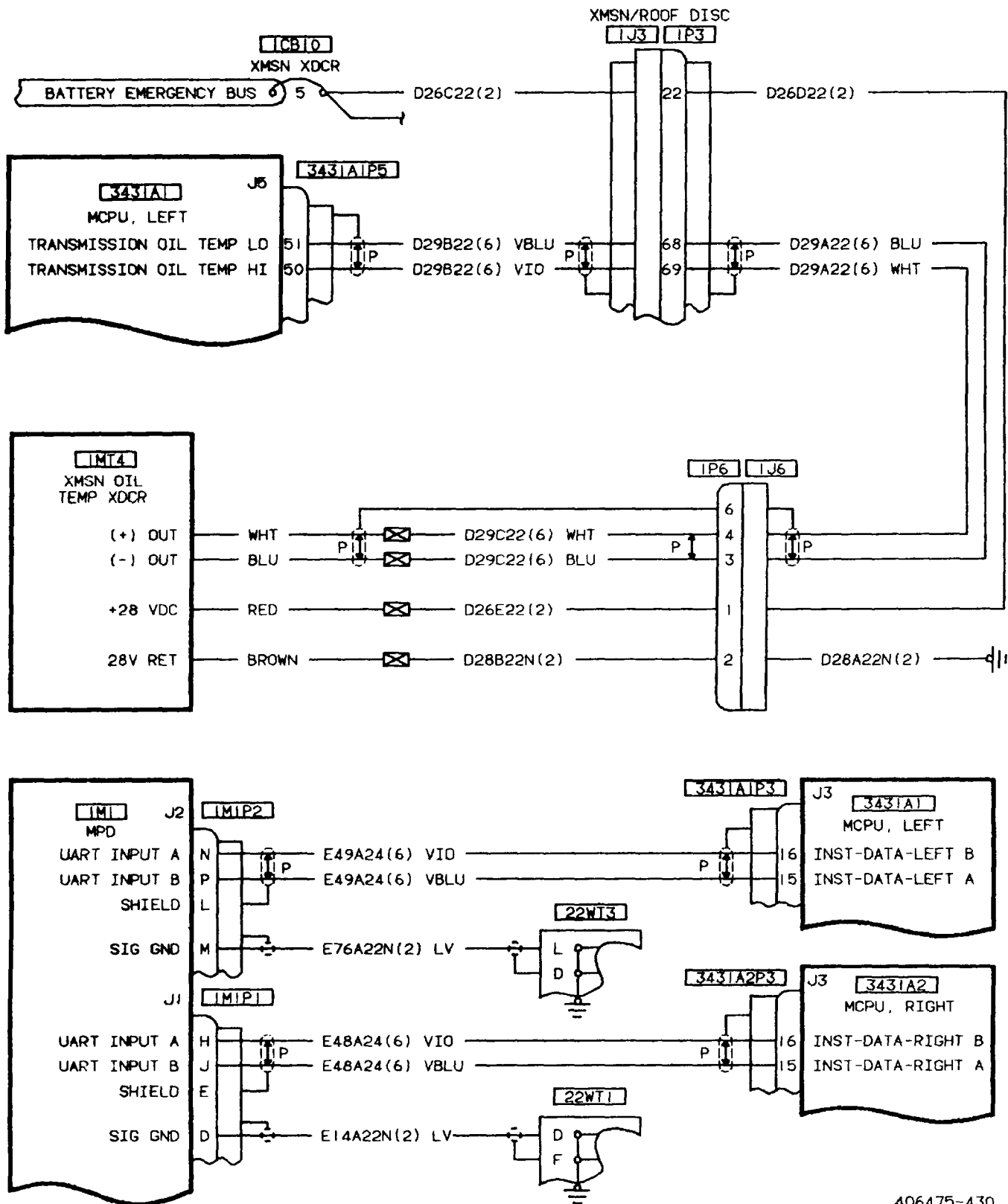
235. TRANSMISSION OIL TEMPERATURE DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON)



235. TRANSMISSION OIL TEMPERATURE DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

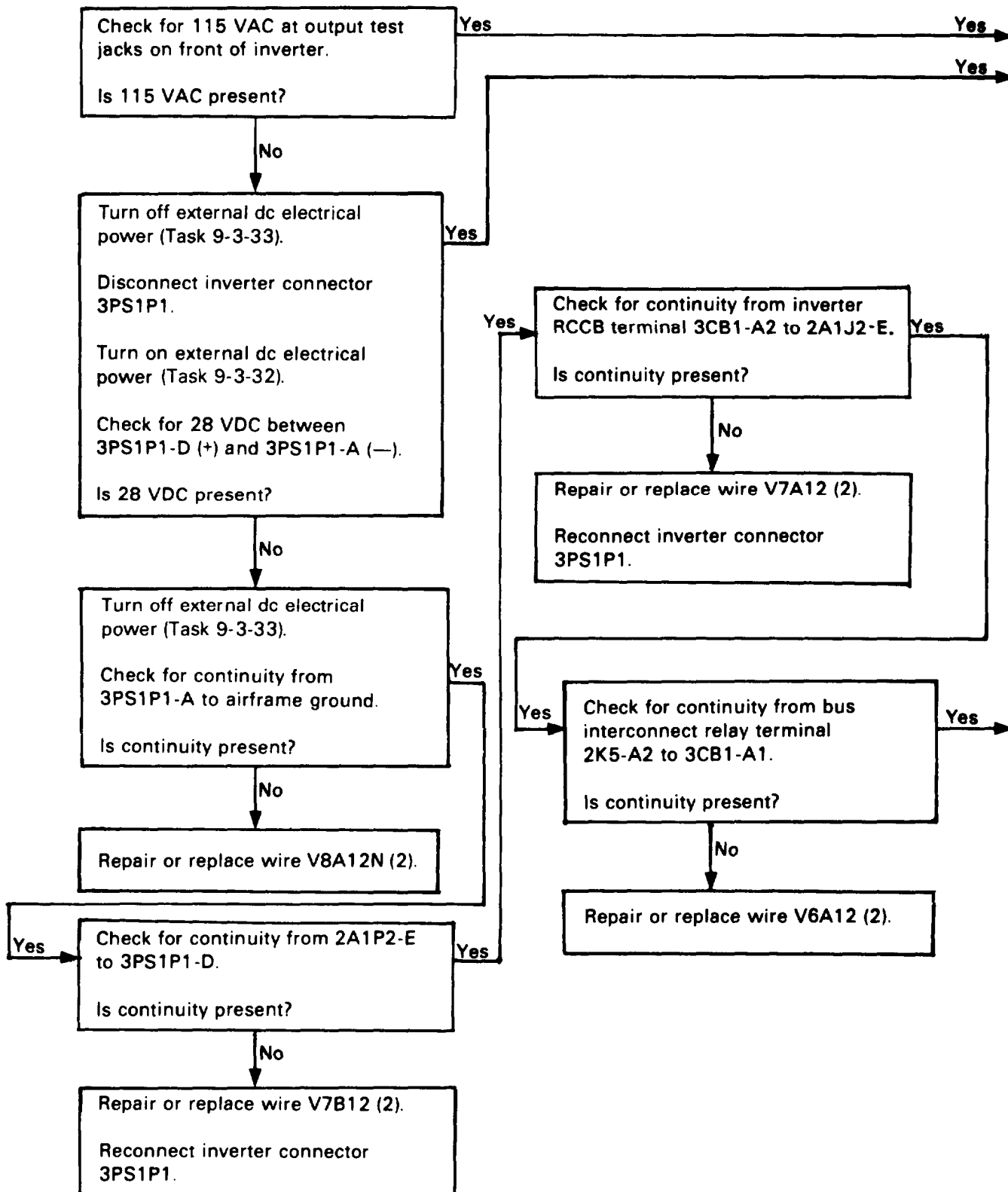


235. TRANSMISSION OIL TEMPERATURE DOES NOT INDICATE IN GREEN RANGE (HELICOPTER AT FLIGHT IDLE AND DC GENERATOR ON) (CONT)

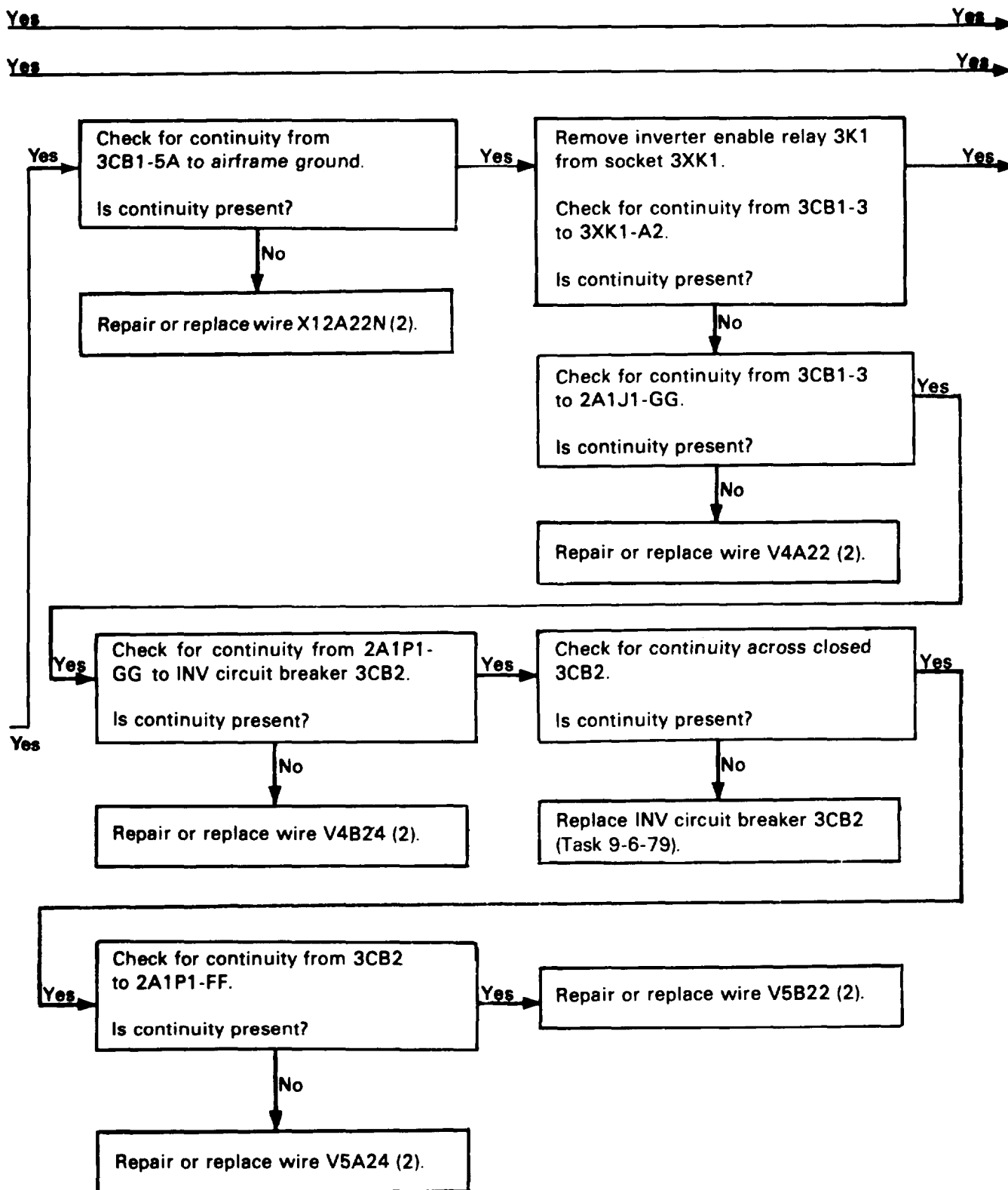


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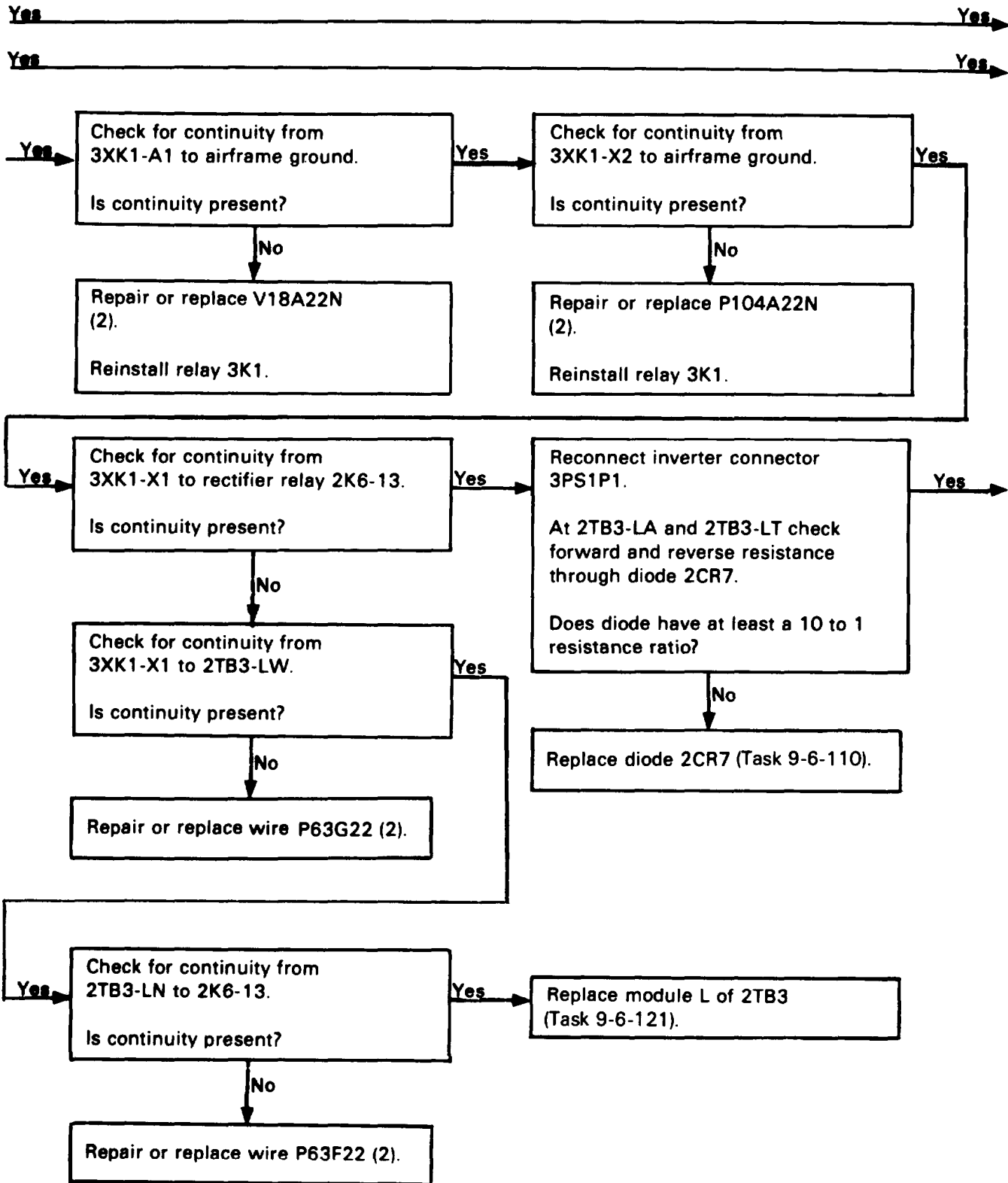
236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD



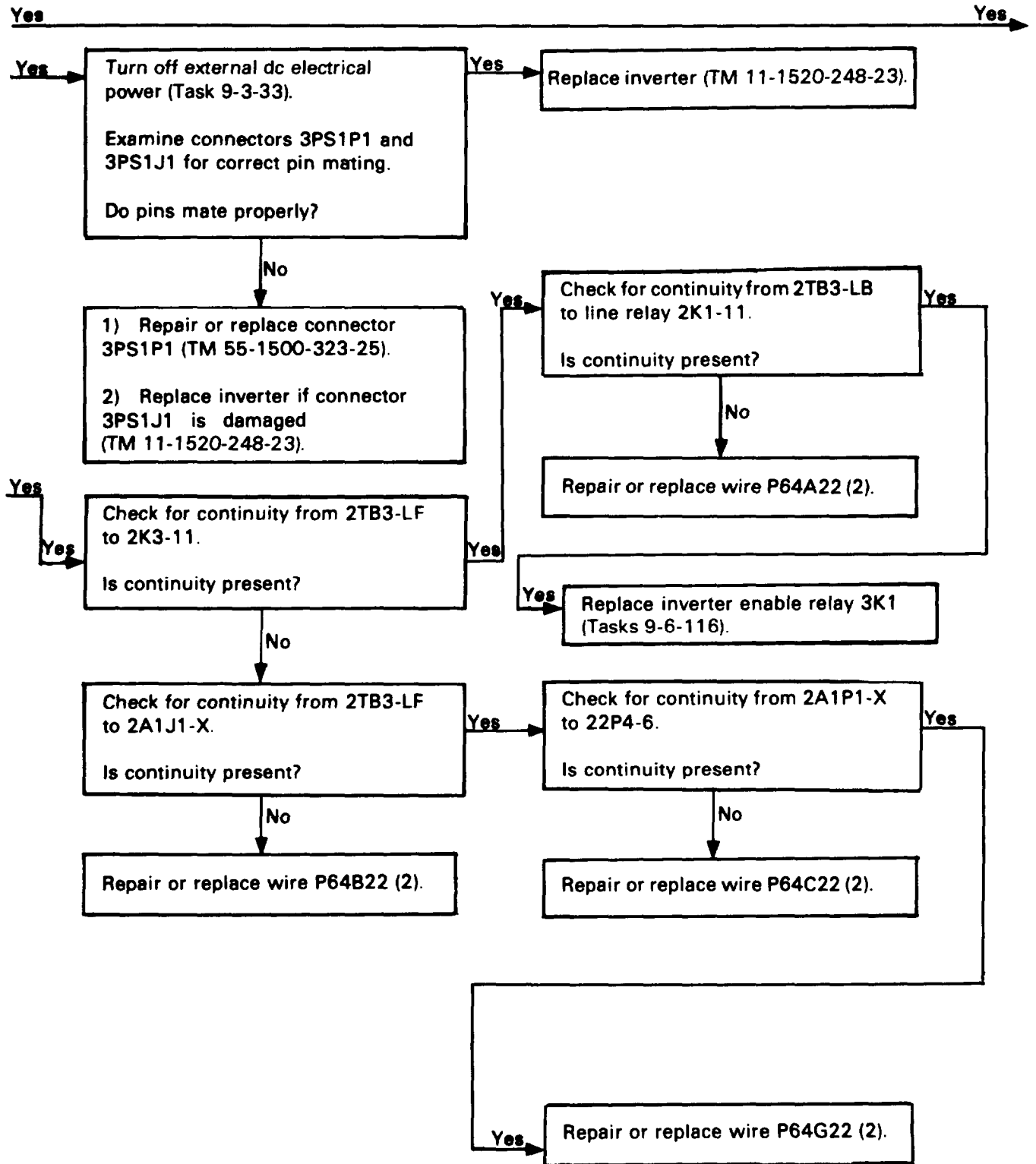
236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)



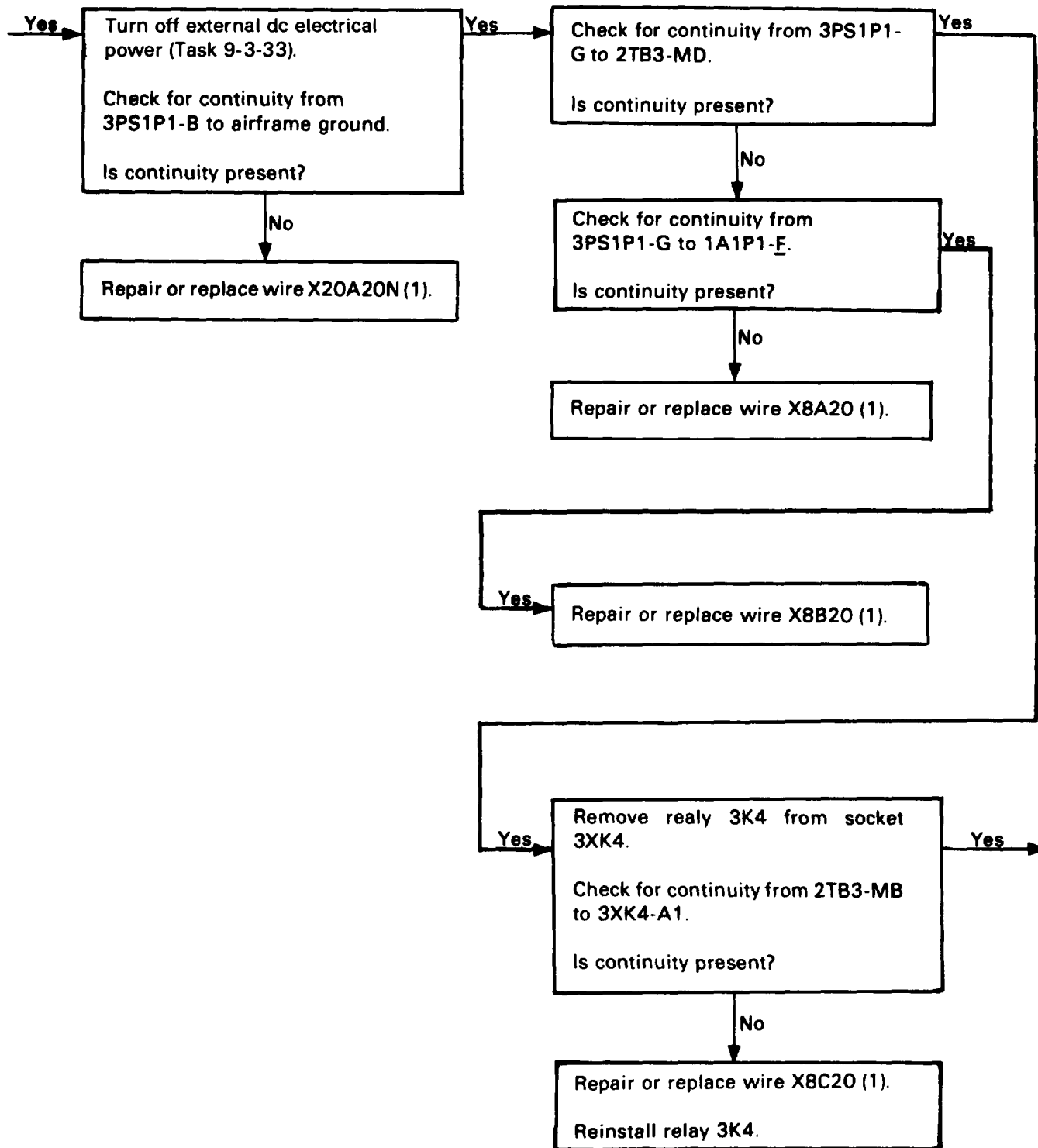
236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)



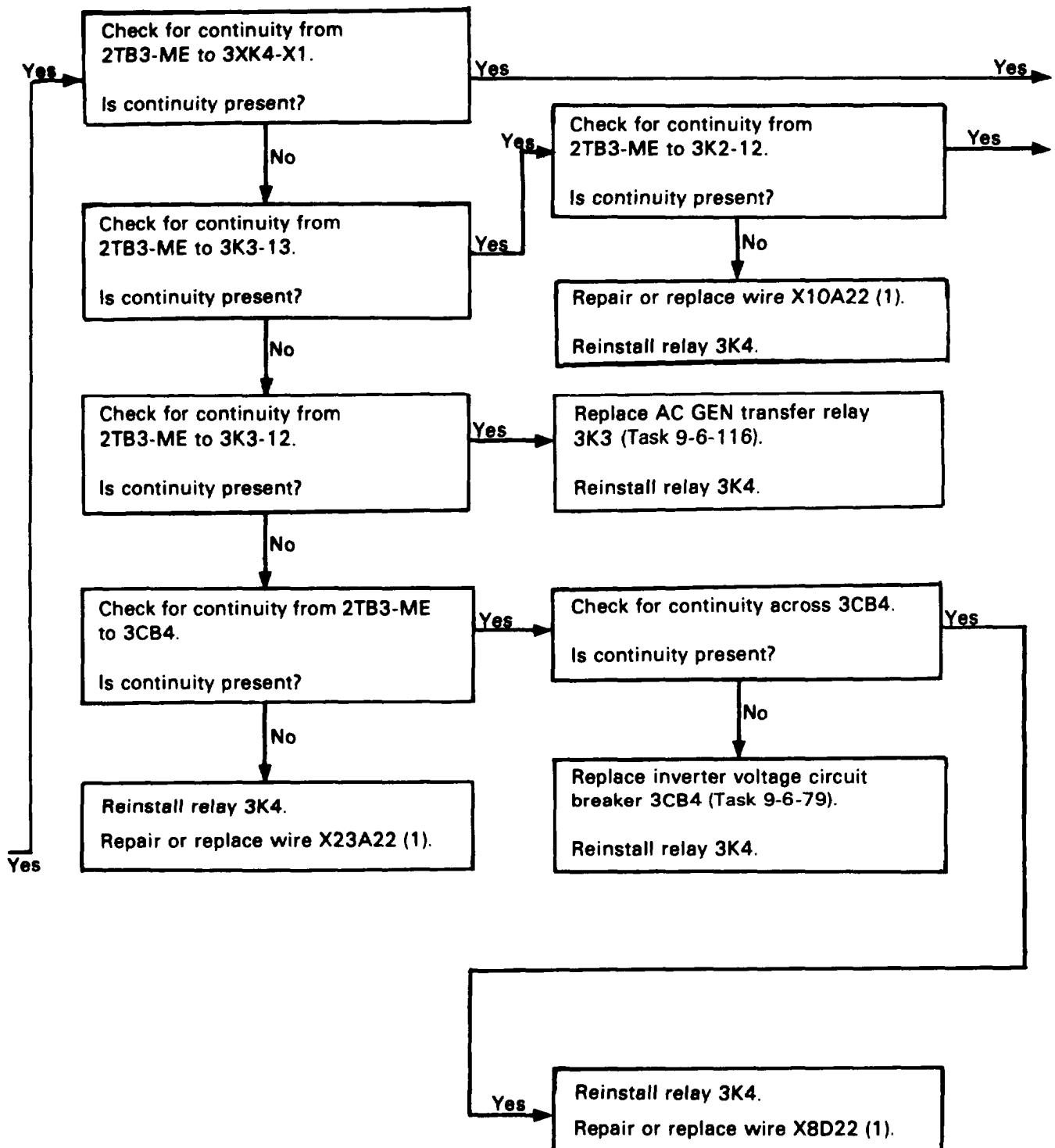
236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)



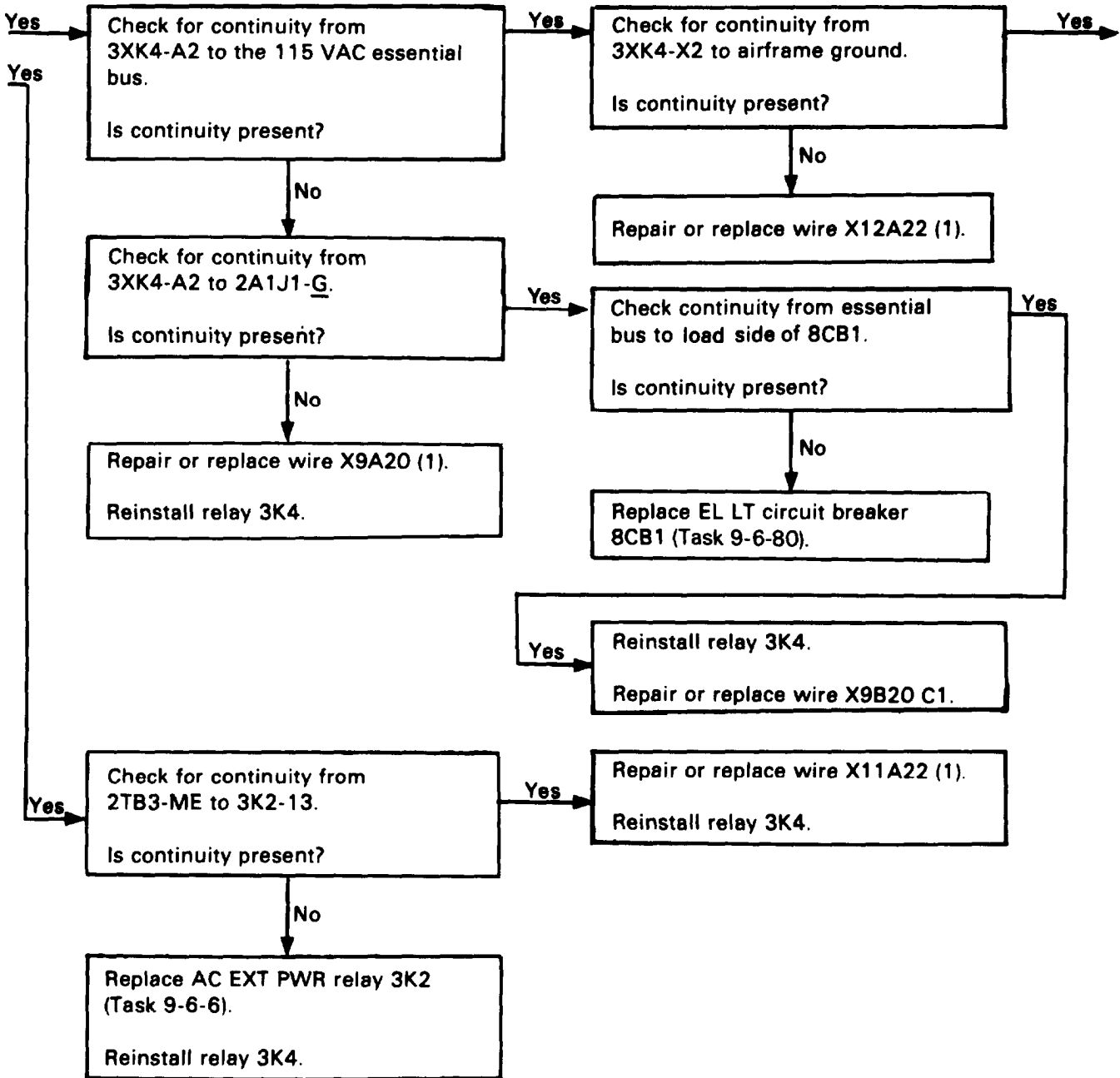
236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)



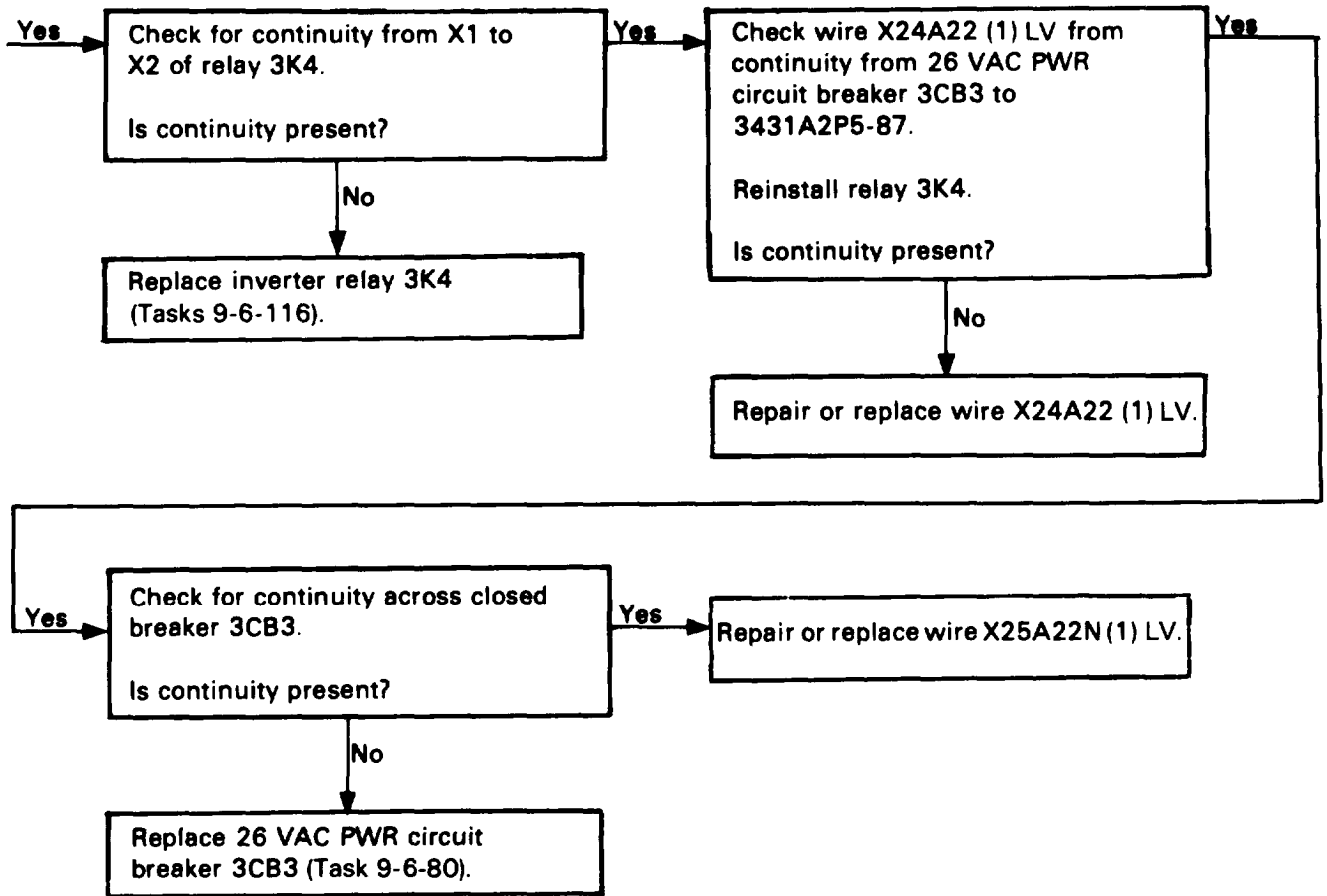
236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)



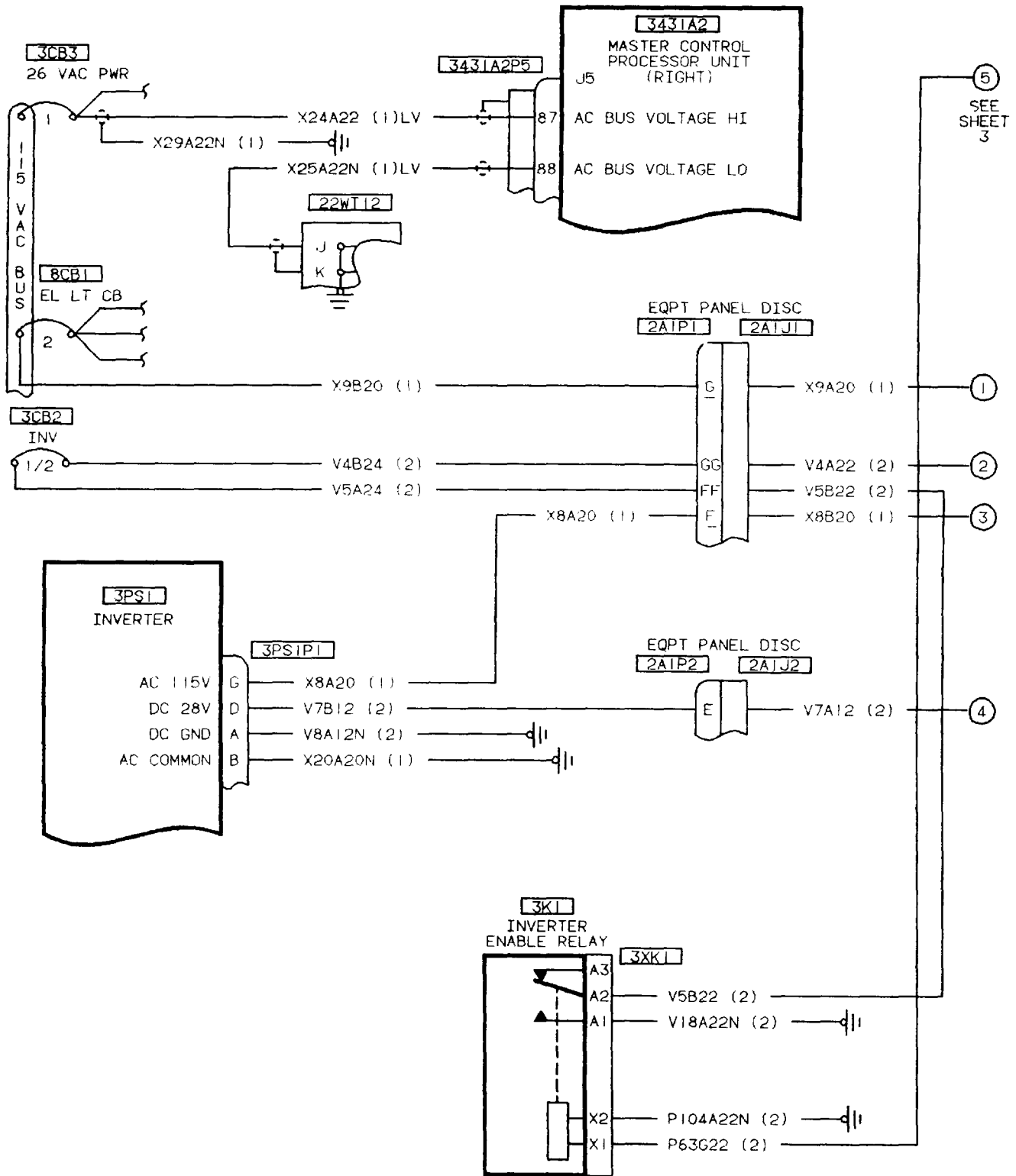
236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)



236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)

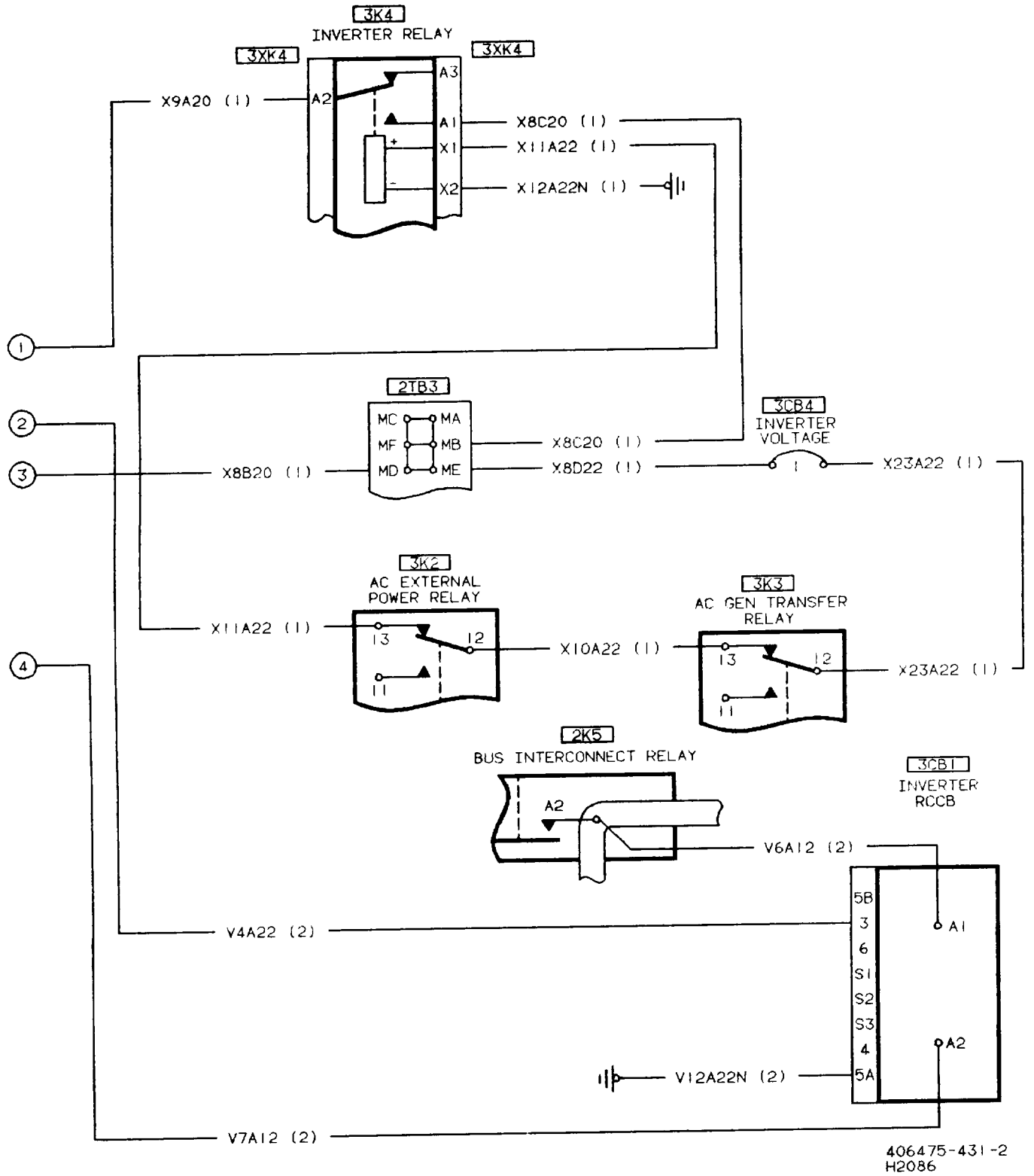


236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)

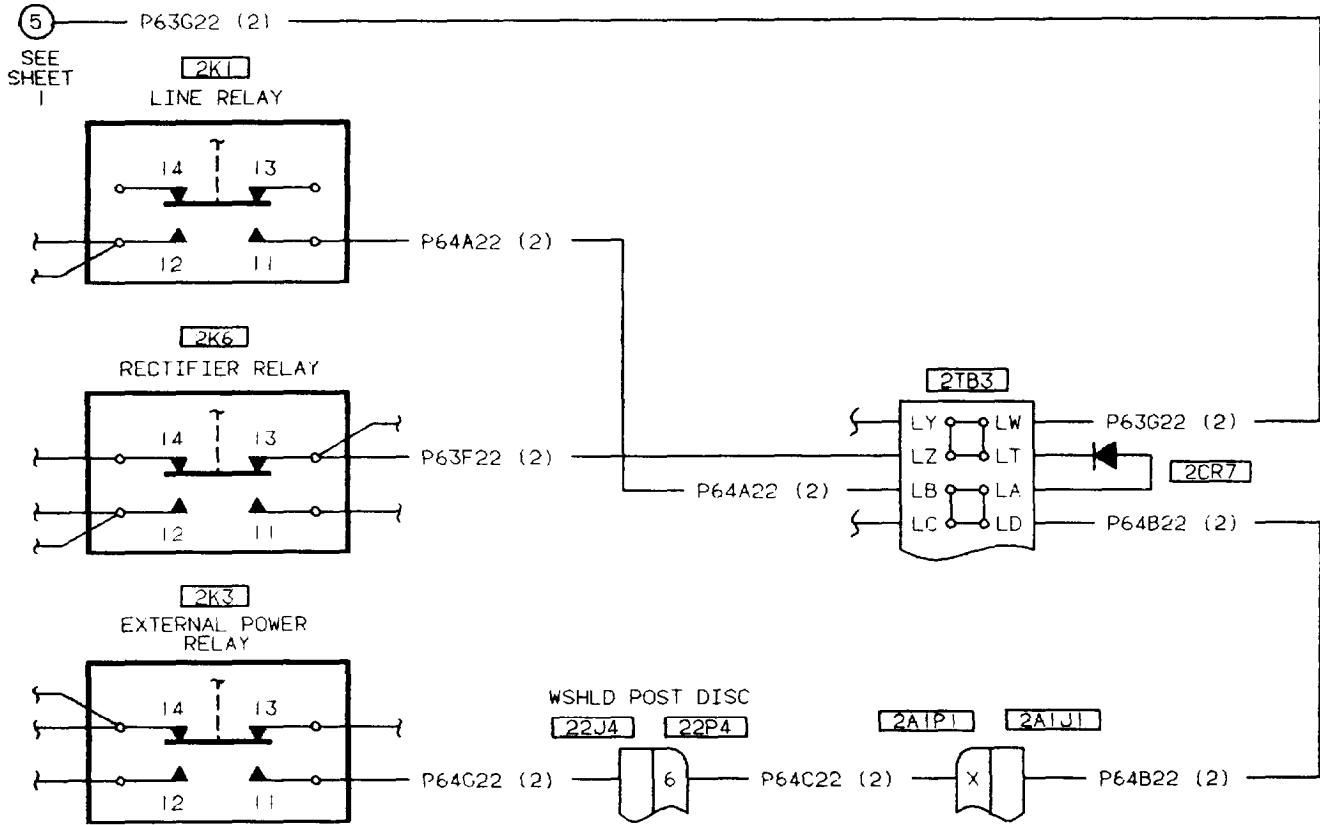


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G7135

236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)

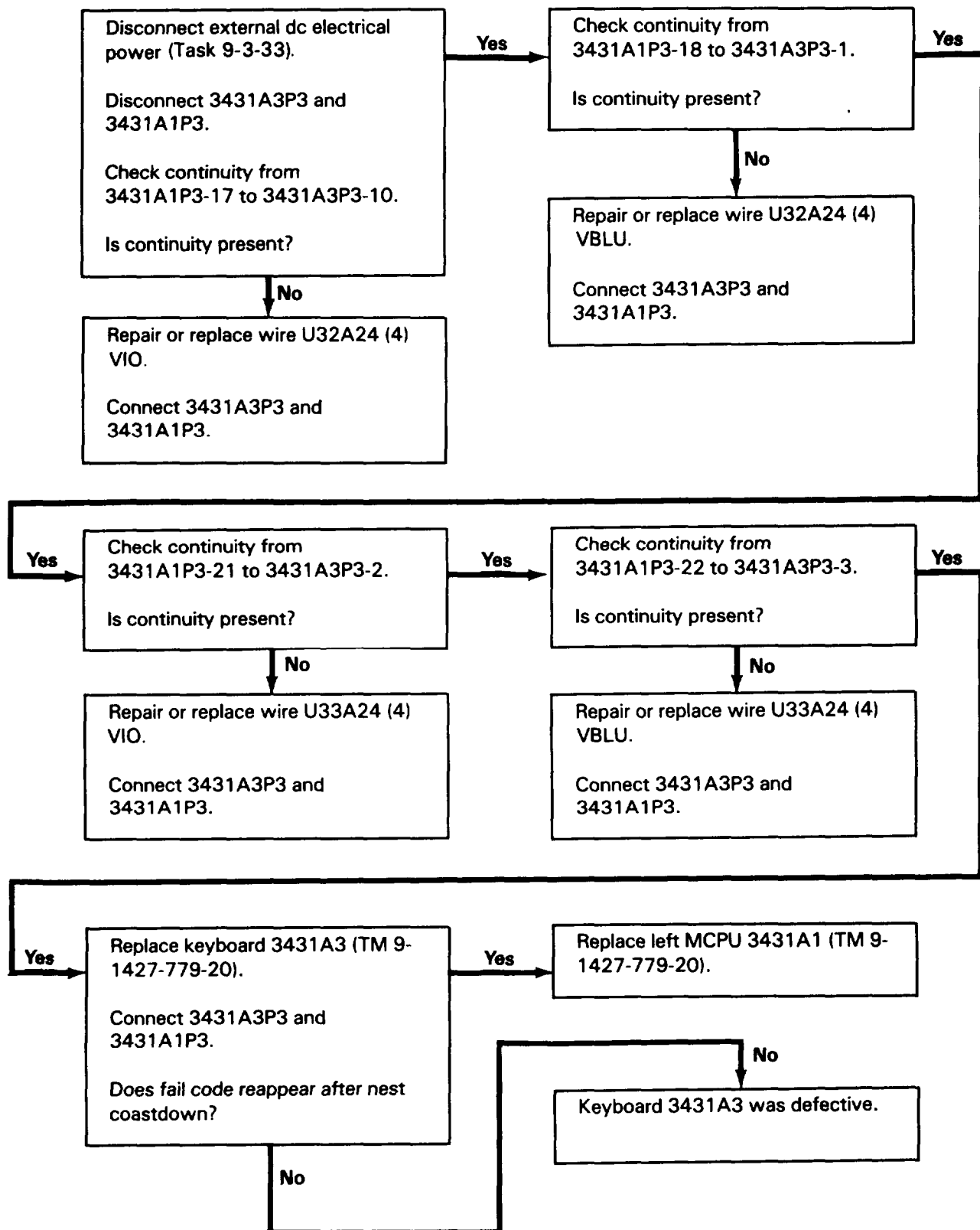


236. INV FAIL MESSAGE DISPLAYED ON MFD, 115 NOT DISPLAYED ON MPD (CONT)

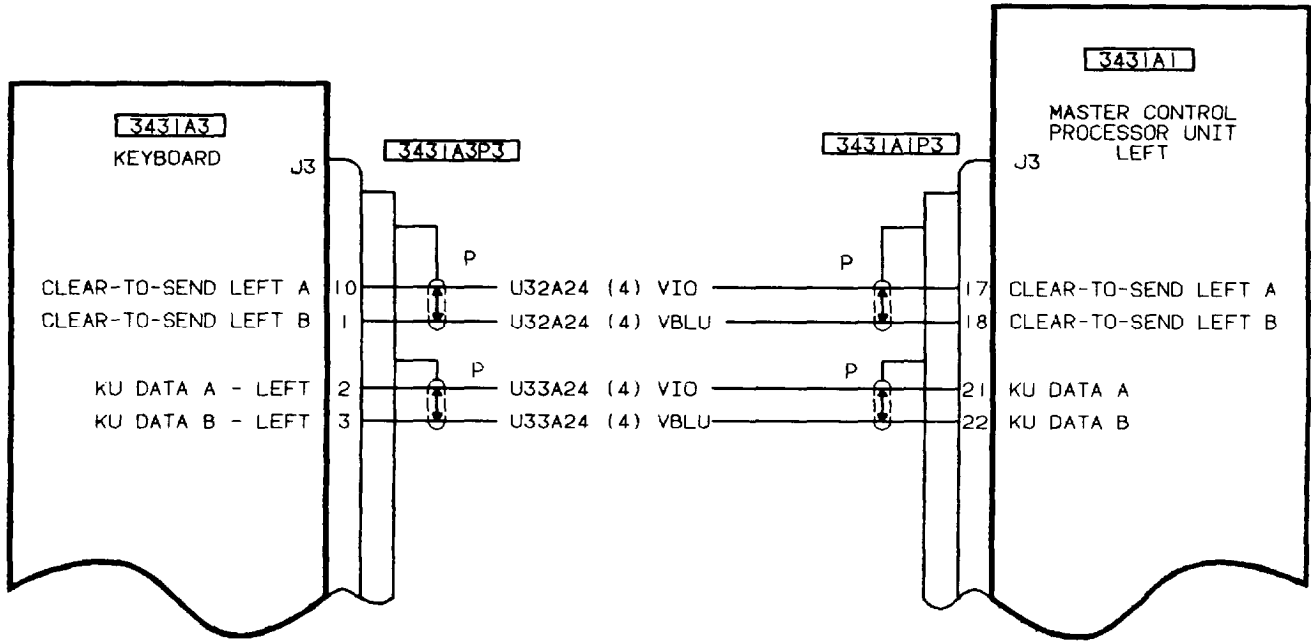


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G7135

237. VART WRAPAROUND FAILURE APPEARS ON LEFT MFD

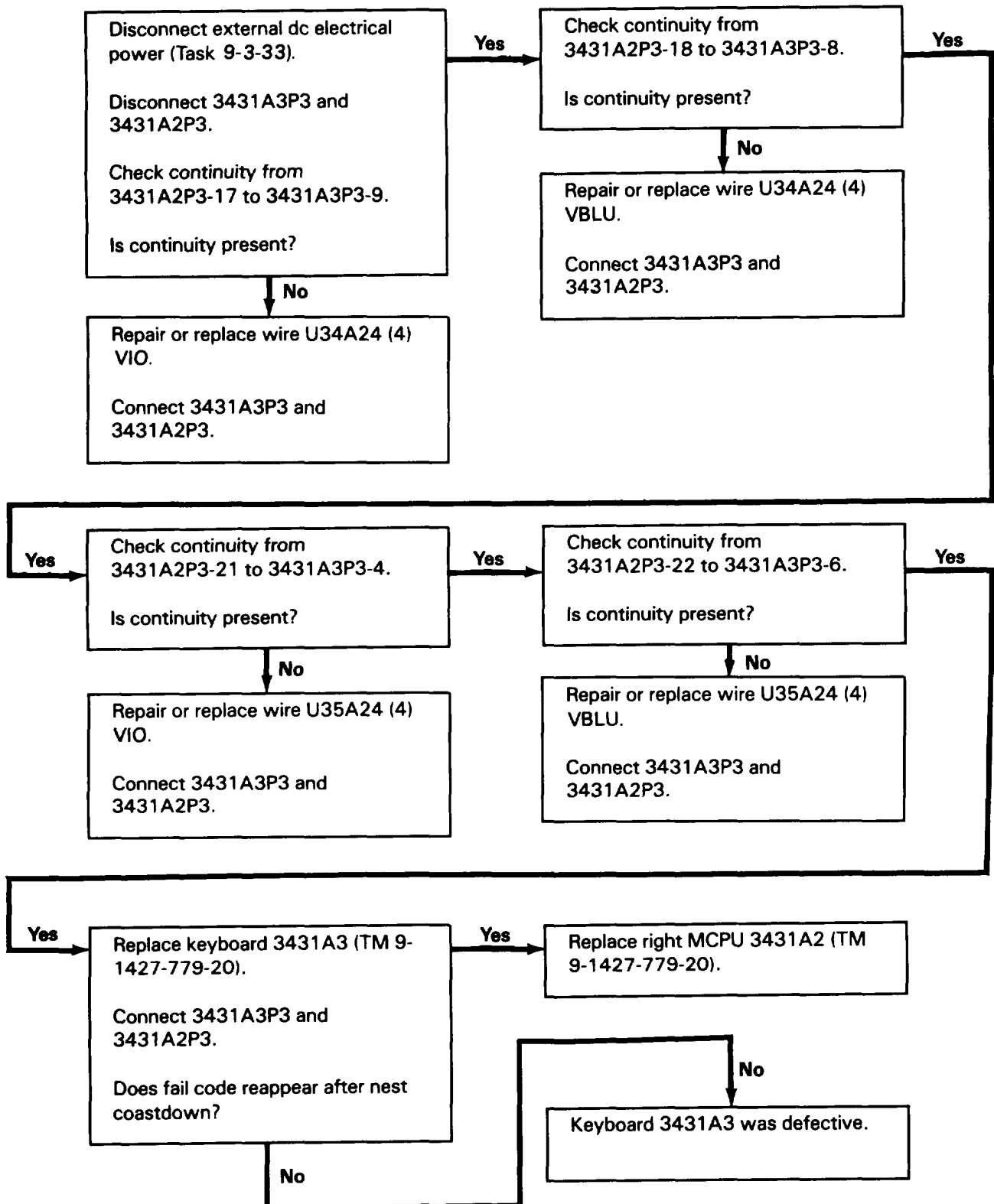


237. VART WRAPAROUND FAILURE APPEARS ON LEFT MFD (CONT)

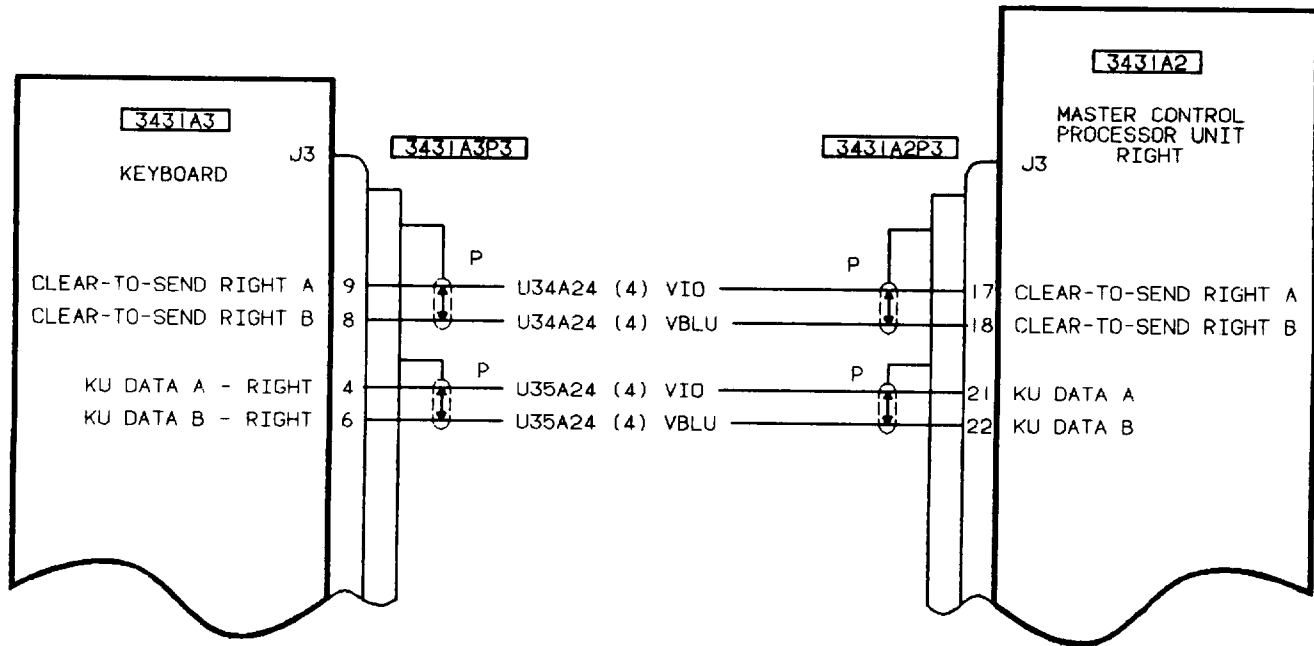


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G7135

238. VART WRAPAROUND FAILURE APPEARS ON RIGHT MFD



238. VART WRAPAROUND FAILURE APPEARS ON RIGHT MFD (CONT)

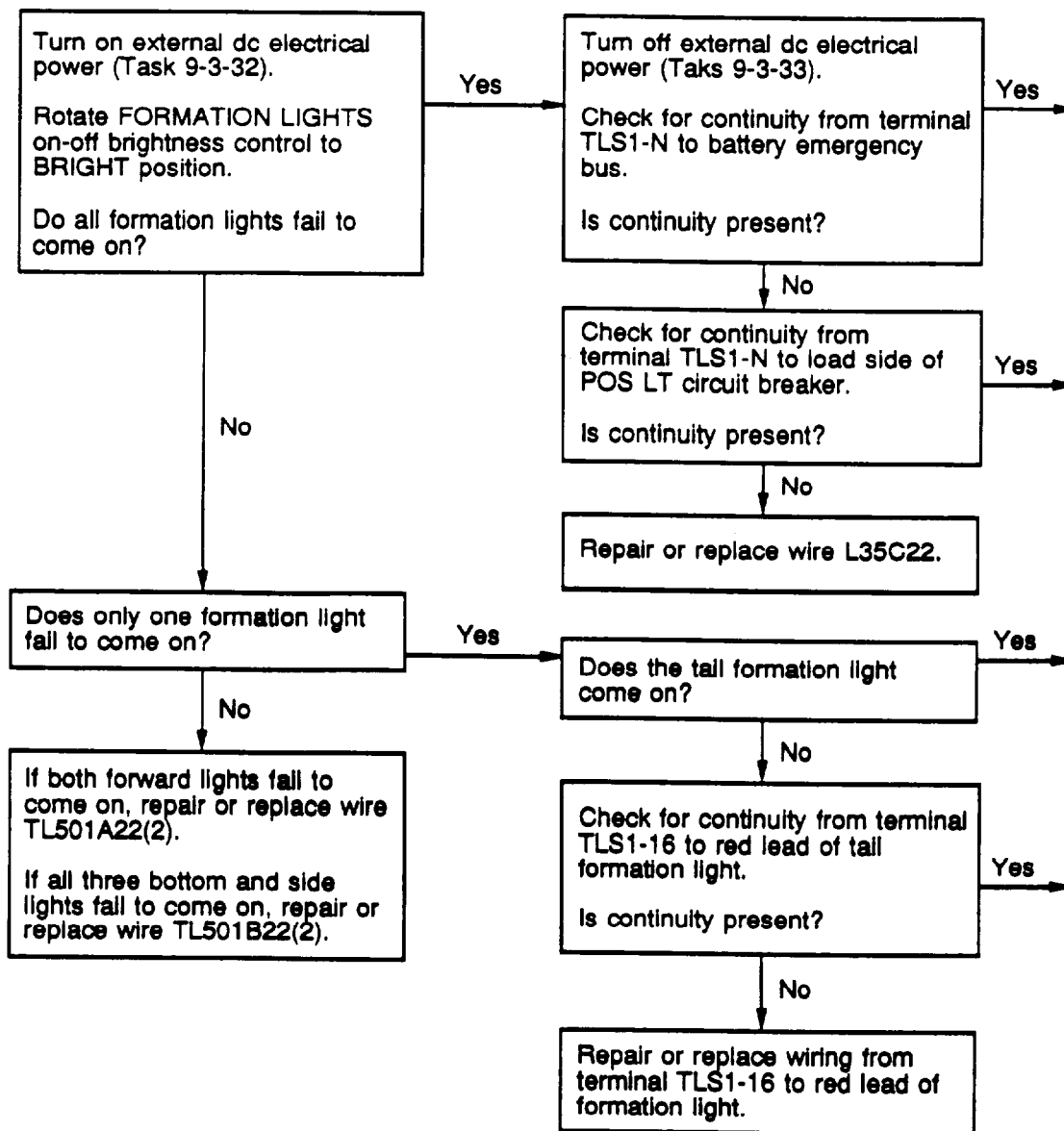


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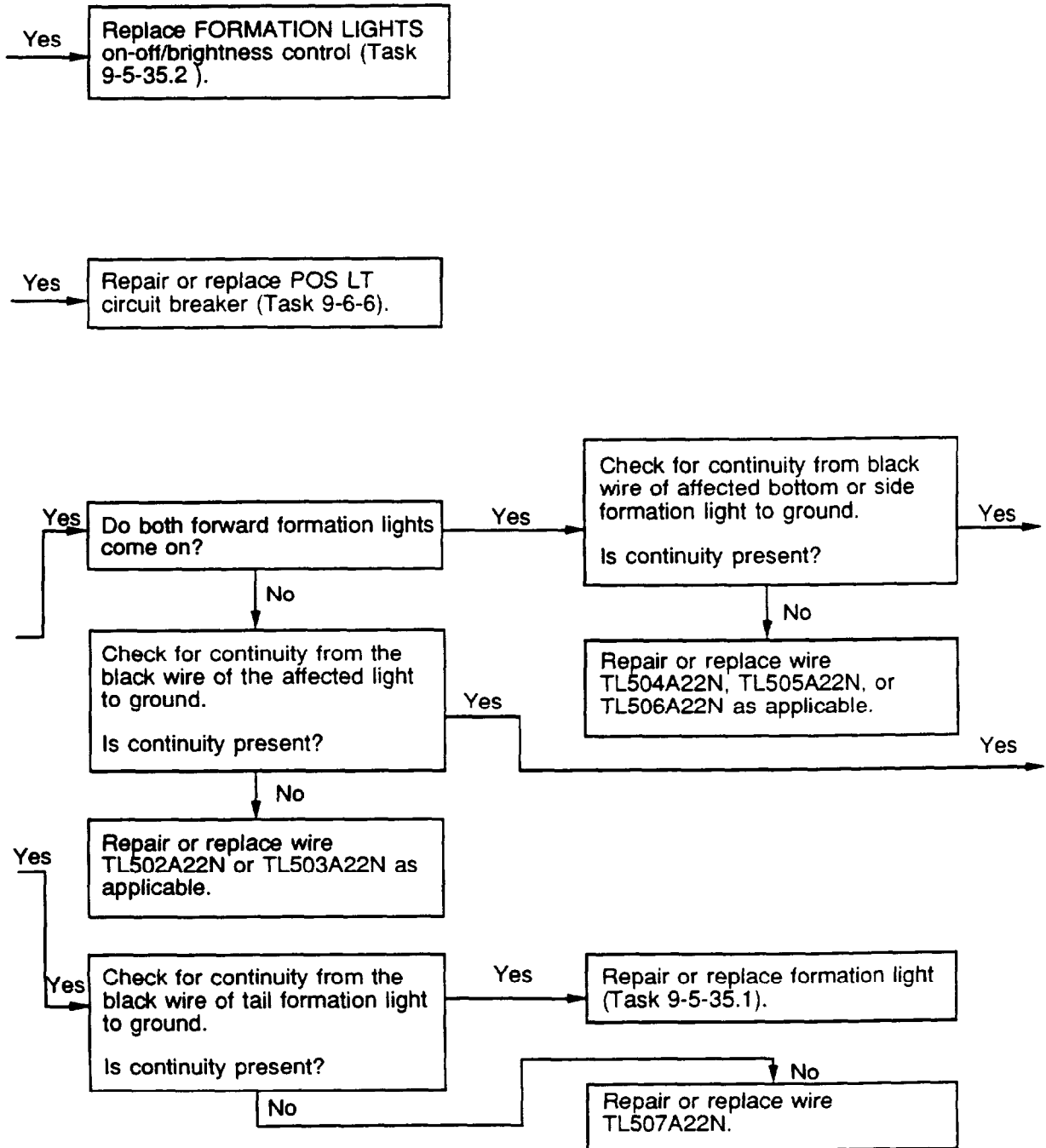
239. DELETED

ALL DATA ON THIS PAGE DELETED.

240. ONE OR MORE NVG FORMATION LIGHTS DO NOT COME ON.

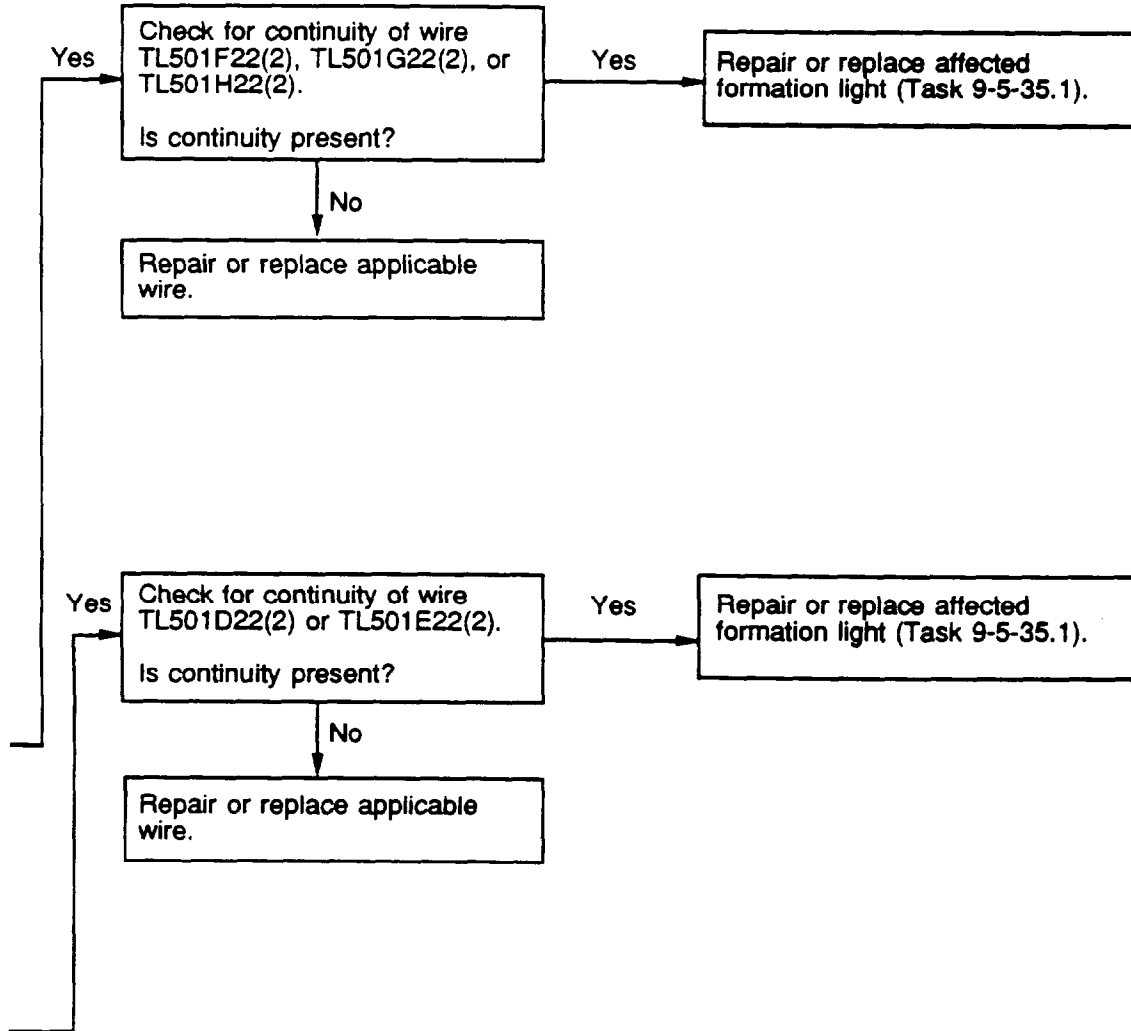


240. ONE OR MORE NVG FORMATION LIGHTS DO NOT COME ON. (Cont)

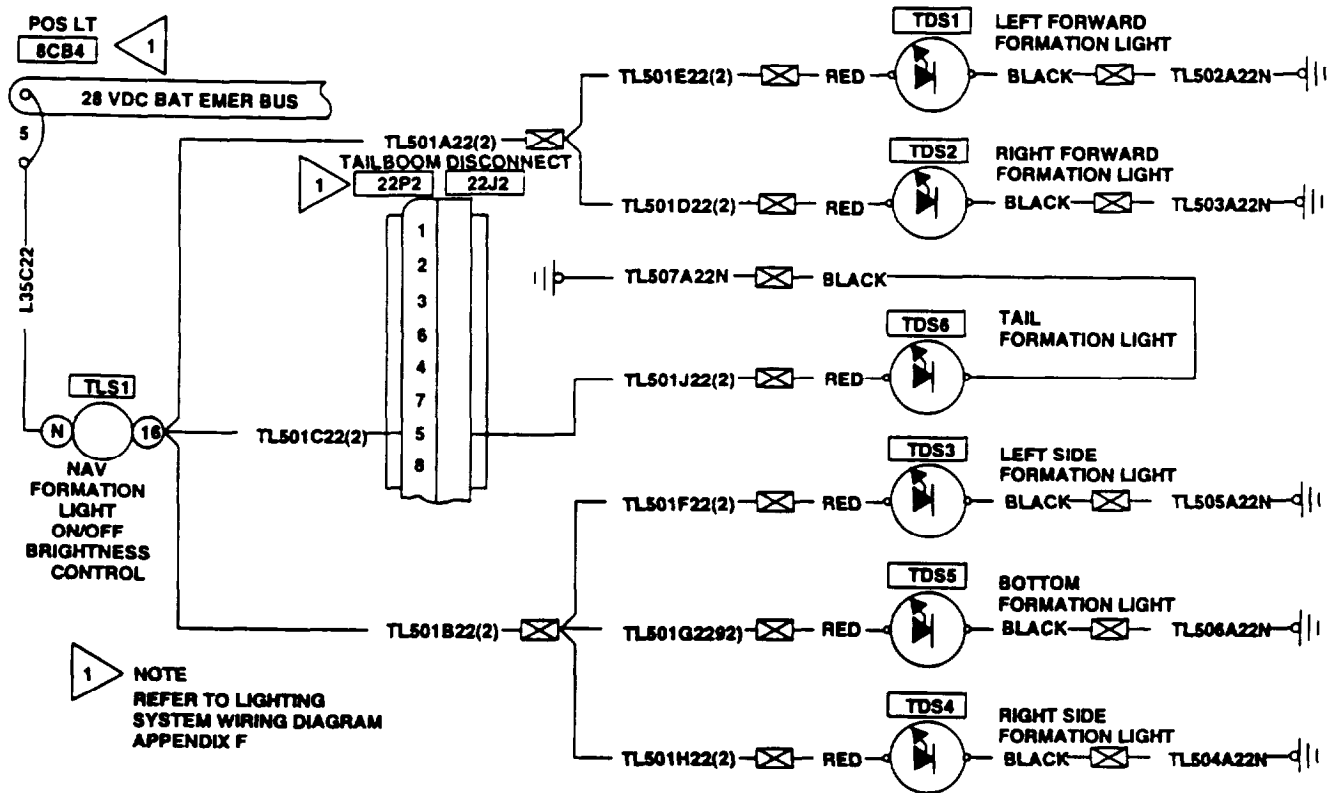


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J0238

240. ONE OR MORE NVG FORMATION LIGHTS DO NOT COME ON. (Cont)



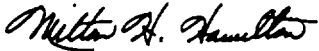
240. ONE OR MORE NVG FORMATION LIGHTS DO NOT COME ON. (Cont)



406675-14
J0482

By Order of the Secretary of the Army:

Official:


MILTON H. HAMILTON
*Administrative Assistant to the
Secretary of the Army*
06653

GORDON R. SULLIVAN
*General, United States Army
Chief of Staff*

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SOMETHING WRONG WITH THIS PUBLICATION?



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT. FOLD IT AND DROP IT IN THE MAIL!

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)
 CDR, 1st Br, 65th ADA
 ATTN: SP4 J. Brown
 Key West, FL 33040

DATE SENT
 10 Jun 79

PUBLICATION NUMBER
 TM 9-1430-550-34-1

PUBLICATION DATE
 7 Sep 72 .

PUBLICATION TITLE Unit of Radar Set
 AN/MPQ-50 Tested at the HFC

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
9-19		9-5	
21-2	step 1C	21-2	

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

"B" Ready Relay K11 is shown with two #9 contacts. That contact which is wired to pin 8 of relay K16 should be changed to contact #10.

Reads: Multimeter B indicates 600 K ohms to 9000 K ohms.

Change to read: Multimeter B indicates 600 K ohms minimum.

Reason: Circuit being checked could measure infinity. Multimeter can read above 9000 K ohms and still be correct.

SAMPLE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SP4 J.T. Brown, Jr.

SIGN HERE

SP4 James Brown, Jr.

TEAR ALONG PERFORATED LINE

FILL IN YOUR
UNITS ADDRESS



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DEPARTMENT OF THE ARMY

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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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