

Task Oriented Practice
(TOP)

EQUIPMENT GROWTH

REMOTE ACCESS INTERFACE CIRCUIT

NOTE

Before using TOP for the first time,
complete the TOP-USER Plant Training
Course—PTC No. 278.

A short version of PTC No. 278 is in
the back of this volume.

NOTICE

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234-153-051	TPG
TITLE PAGE	000

COMPANY ORDER TASKS	PROCEDURE NUMBER		
Activate and or Add RAI Circuit to PPI Frame	COP-051		
COMPANY ORDER LIST — NO. 4 ESS EQUIPMENT GROWTH-REMOTE ACCESS INTERFACE CIRCUIT	<table border="1"> <tr> <td data-bbox="1675 1393 1843 1430">Issue 1</td> <td data-bbox="1843 1393 2011 1430">DEC 1980</td> </tr> </table>	Issue 1	DEC 1980
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	<table border="1"> <tr> <td data-bbox="1675 1430 1927 1468">234-153-051</td> <td data-bbox="1927 1430 2011 1468">COL</td> </tr> </table>	234-153-051	COL
234-153-051	COL		
<table border="1"> <tr> <td data-bbox="1675 1468 1927 1511">PAGE 1 of 1</td> <td data-bbox="1927 1468 2011 1511">050</td> </tr> </table>	PAGE 1 of 1	050	
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ITEM	SUBTASKS	PERFORMED BY	PROCEDURE NUMBER
1	Perform Preliminary Installation Activities	WE/TELCO	-
2	Determine if Library Tape Containing XAPP Resides in File Store (OP:LIBSTAT,FS!)	TELCO	DLP-500
3	If Library Tape Containing Program XAPP does not Reside in File Store: <ol style="list-style-type: none"> 1. Mount Tape Containing Program XAPP on Tape Transport 2. Set TUC to Library Function (SET:TUC a;FUNCTION LIB!) 3. Allow TUC Read Only Access (ALW:TUC a:RO!) 4. Load Library Tape containing Program XAPP in File Store (LOAD:LIBSYS,FS;TAPE:PKG L4ExPGRO!) 	TELCO	DLP-501
4	Execute Library Program XAPP and Record CLIENT Number From TTY Printout for Later Use (EX:LIBSYS:PKG L4ExPGRO, PGM XAPP,TASK 0!)	TELCO	DLP-505
5	Allow Library Message Channel Specifying Recorded CLIENT Number (Item 4): <ol style="list-style-type: none"> A. If Inputting Message From MTC or LOC Channel (ALW:LIBMSG:CLIENT a!) B. If Inputting Message From Channel Other Than MTC or LOC (ALW:LIBMSG:CLIENT a,CHAN (b,c)!) NOTE: If XAPP library program is system timed out, Items 4 and 5 must be repeated to reexecute XAPP program	TELCO	DLP-510
6	Verify That Member Equipage Is Unequipped for Growth Unit Type (VER:UTMN;CUR:RAI 0, ME!)	TELCO	DLP-506
7	Perform PPI Frame Power Switch Test	TELCO	DLP-509
8	Diagnose MCC (DGN:MCC 0:RAW!)	TELCO	DLP-508
9	Restore MCC to Service (RST:MCC 0!)	TELCO	DLP-516
10	Perform Master Control Console Lamp Tests	TELCO	DLP-518
	(Continued on Page 2)		

ACTIVATE AND OR ADD RAI CIRCUIT TO PPI FRAME

ITEM	SUBTASKS	PERFORMED BY	PROCEDURE NUMBER
11	Due to the Complexity of the Tests Performed in Item 12, Each Procedure Should Be Studied Thoroughly Prior to Beginning. Once Started, Each Test Should Be Performed Completely Without Delay	TELCO	-
12	Perform MCC Diagnostic Demand Phase 91 on MCC Processor Display Panel and Processor Request Panel 1. Run Phase 91 Program Unit 1 System Display Tests 2. Run Phase 91 Program Unit 2 Manual Interrupt Program Request Tests 3. Run Phase 91 Program Unit 3 Override Control Tests 4. Run Phase 91 Program Unit 4 Update Tests 5. Run Phase 91 Program Unit 5 Processor Configuration Sequencer Tests 6. Run Phase 91 Program Unit 6 Processor Display Tests	TELCO	DLP-519
13	Due to the Complexity of the Tests Performed in Item 14 or 15, Each Procedure Should Be Studied Thoroughly Prior to Beginning. Once Started, Each Test Should Be Performed Completely Without Delay	TELCO	-
14	If Office Generic Is 4E4 Issue, Perform MCC Diagnostic Demand Phase 92 on MCC System Status Control Panel 1. Run Phase 92 Program Unit 1 System Performace Tests (4E4 Generic) 2. Run Phase 92 Program Unit 2 System Alarms Tests (4E4 Generic) 3. Run Phase 92 Program Unit 3 System Status Tests (4E4 Generic) 4. Run Phase 92 Program Unit 4 System Controls Tests (4E4 Generic) 5. Run Phase 92 Program Unit 5 Equipment Status Tests (4E4 Generic) 6. Run Phase 92 Program Unit 5A Equipment Status Key Tests (4E4 Generic) 7. Run Phase 92 Program Unit 6 Miscellaneous Tests (4E4 Generic)	TELCO	DLP-525
	(Continued on Page 3)		

ITEM	SUBTASKS	PERFORMED BY	PROCEDURE NUMBER
15	If Office Generic Is 4E5 Issue, Perform MCC Diagnostic Demand Phase 92 on MCC System Status Control Panel		
	1. Run Phase 92 Program Unit 1 System Performace Tests (4E5 Generic)	TELCO	DLP-532
	2. Run Phase 92 Program Unit 2 System Alarms Tests (4E5 Generic)	TELCO	DLP-533
	3. Run Phase 92 Program Unit 3 System Status Tests (4E5 Generic)	TELCO	DLP-534
	4. Run Phase 92 Program Unit 4 System Controls Tests (4E5 Generic)	TELCO	DLP-535
	5. Run Phase 92 Program Unit 5 Equipment Status Tests (4E5 Generic)	TELCO	DLP-536
	6. Run Phase 92 Program Unit 5A Equipment Status key Tests (4E5 Generic)	TELCO	DLP-537
16	Restore MCC to Service (RST:MCC 0!)	TELCO	-
17	Wait for TTY Response REST:MCC 0 COMPLETED	TELCO	-
18	Test MCC Processor Manual Recovery Controls	TELCO	DLP-512
19	Add RAI Equipment and Cabling:		
	1. If Required Install RAI Equipment and Cabling (EPC J5A001A-16); TELCO Assist or Advise in Power Removals and Restorals	WE/TELCO	-
	2. Verify Condition of Telemetry Hardware	WE	-
20	Change And Verify RAI Member Equipage:		
	1. Unequipped To Grow	TELCO	DLP-511
	2. Grow to Special Growth	TELCO	DLP-513
	3. Special Growth to Operational	TELCO	DLP-514
21	Terminate Execution of Library Program XAPP Specifying Last Recorded CLIENT Number (STOP:LIBSYS:PKG a,PGM XAPP,TASK 0,CLIENT b!)	TELCO	DLP-515
	(Continued on Page 4)		

ITEM	SUBTASKS	PERFORMED BY	PROCEDURE NUMBER
22	Perform Growth RAI Tests: 1. Remove MCC from Service (RMV:MCC 0!) 2. Power Up Growth RAI Unit 3. At MCC SYSTEM DISPLAY Panel, Depress CONT INH Key; Assure That CONT INH Lamp Is On 4. Perform Growth RAI Power Switch Test	TELCO WE WE TELCO/WE	— — — DLP-517
23	Verify RAI Hardware and Cabling; TELCO Observe and/or Assist with MCC Diagnostic Phases 91 and 92: 1. Connect Test Set to E2A Circuit (ITE 5528) 2. At TTY, Type in DGN:MCC 0:PH 91! 3. Execute MCC Diagnostic Phase 91 4. At TTY, Type in DGN:MCC 0:PH 92! 5. Execute MCC Diagnostic Phase 92 6. Restore MCC to Service (RST:MCC 0!)	WE TELCO WE TELCO WE TELCO	— — — — — —
	NOTE: This is a safe point to temporarily stop this procedure		
24	Assure That SCC1 Channel is Grown to Operational	WE/TELCO	—
25	Implement Data Links: 1. Install Data Sets 2. Install Electronic Code Detector (ECD) 3. Install Cabling 4. Verify Data Set Option Setting, ECD Switch Settings and PL Conditioning	WE/TELCO WE WE WE/TELCO	— — — —
26	Notify SMCC Personnel to Perform Operational Tests per INH 293, Section 350, TOP or BSP; TELCO Assist as Necessary	WE/TELCO	—

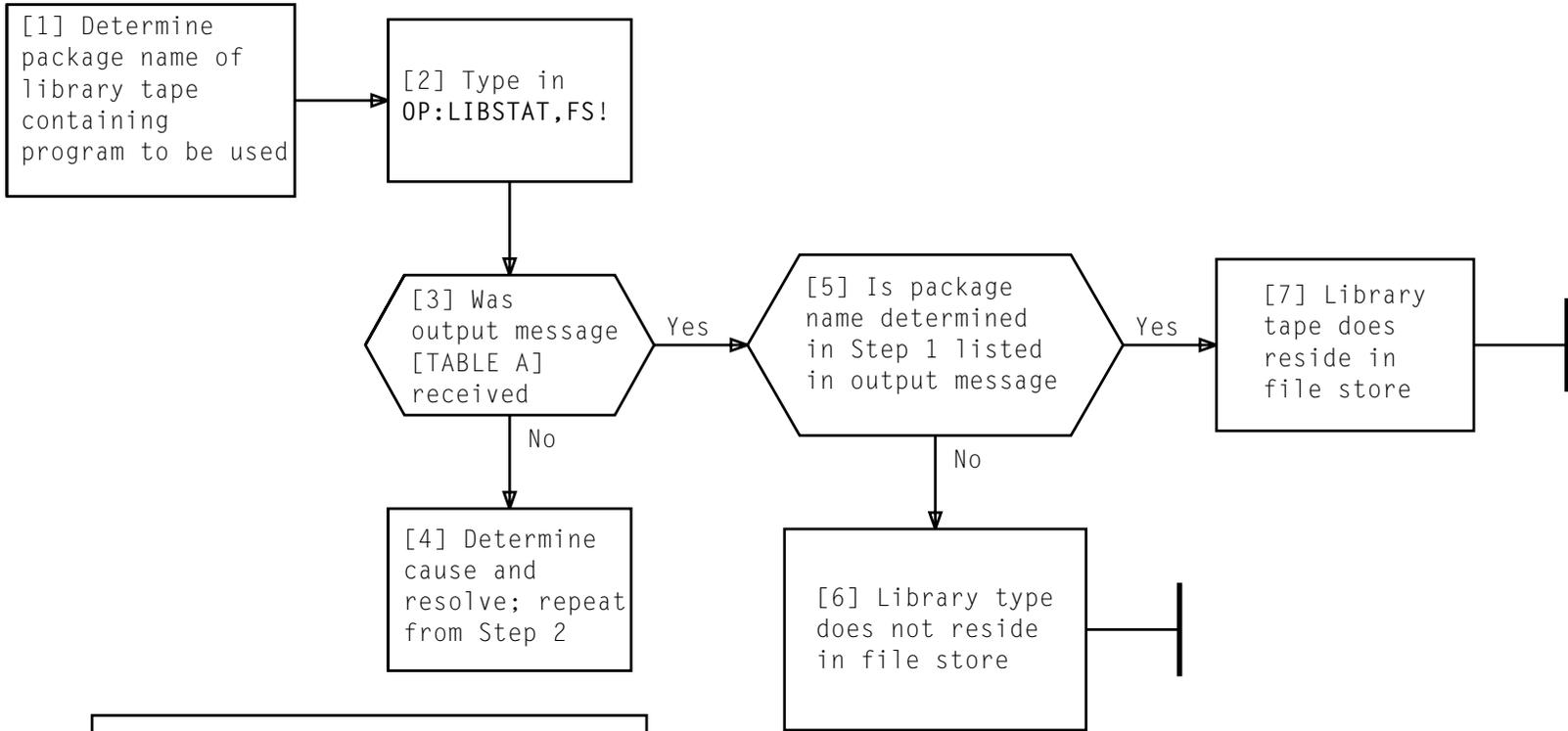


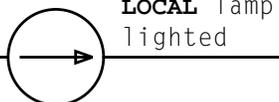
TABLE A		
OP:LIBSTAT FS PF		
OP:LIBSTAT COMPLETED		
FS LIBRARY DIRECTORY		
PKG NAME	ADDRESS	LENGTH
.	.	.
.	.	.
.....		

**DETERMINE IF LIBRARY TAPE CONTAINING PROGRAM TO BE USED
RESIDES IN FILE STORE**

At tape transport:

[1] Open interlocked cover door;
at upper right of tape
transport, pull interlock
plunger out

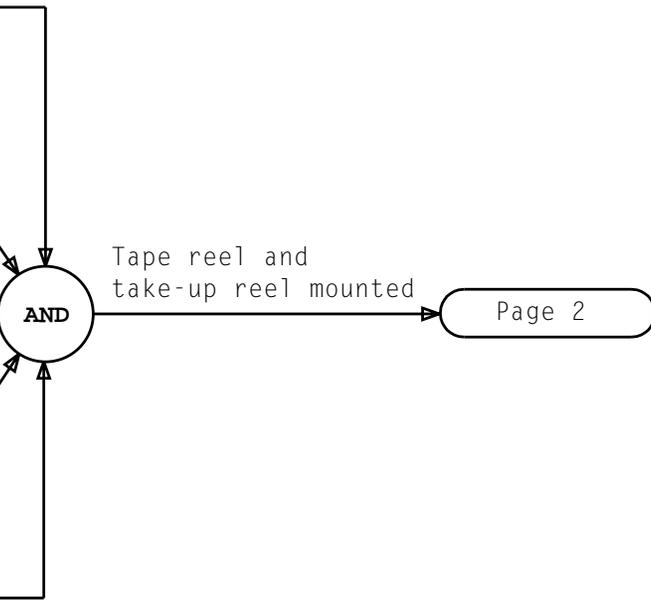
[2] Operate **LOCAL/REMOTE**
switch to obtain **LOCAL**
lighted condition

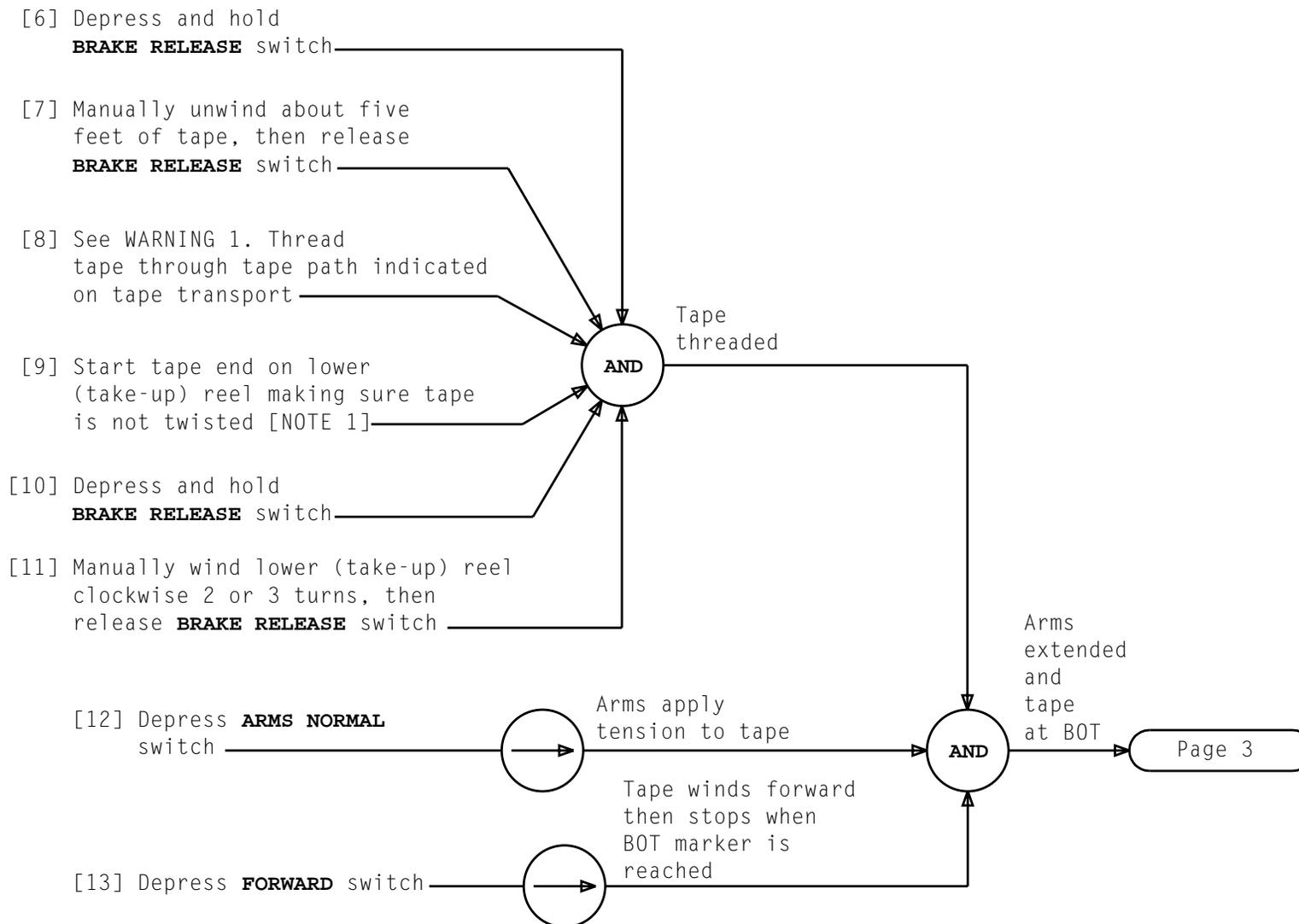


[3] Verify that empty lower (take-up) tape reel is
same size or larger than tape reel to be mounted

[4] With hub (knob) of upper reel in
counterclockwise position, mount reel
with tape on reel holder

[5] Rotate hub (knob) of upper reel clockwise
to detent to lock tape reel securely

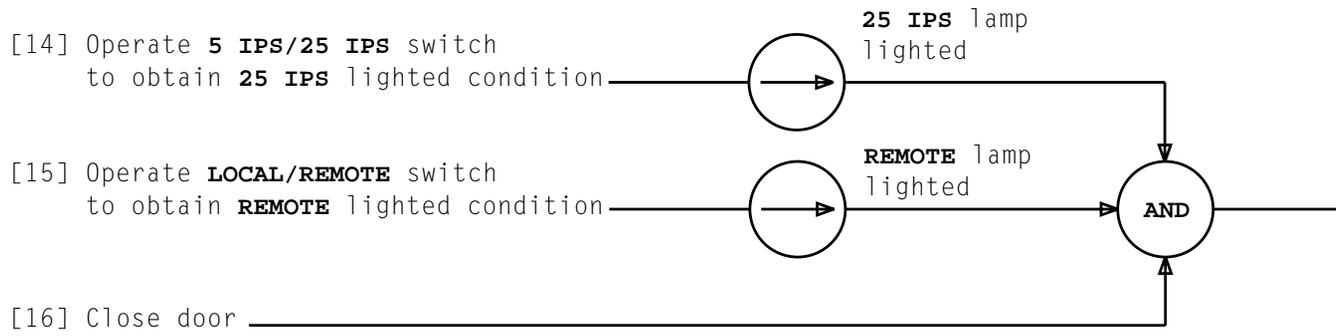




NOTE 1
 To start tape on take-up reel, it may help to moisten the tape end (moistened fingers) and stick it to the reel axle

WARNING 1
 Do not touch tape head surfaces; body oils will contaminate tape

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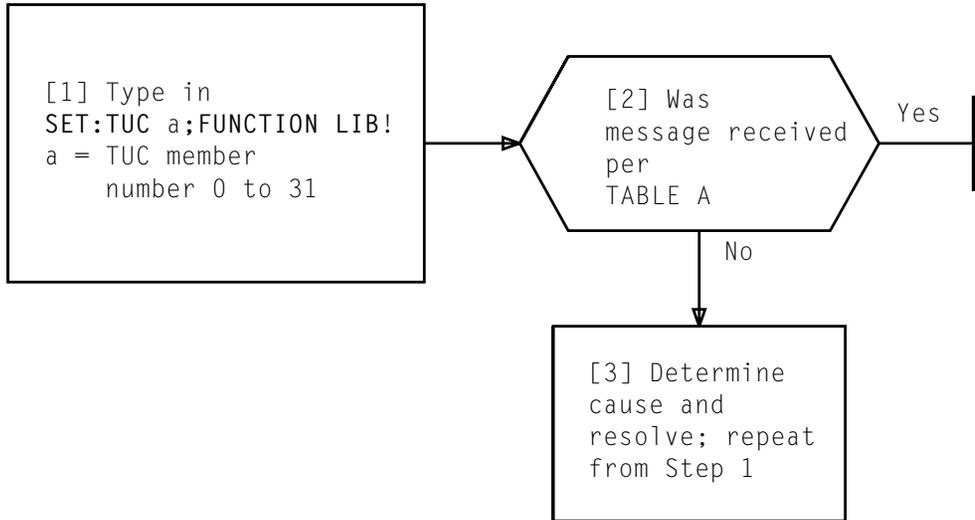
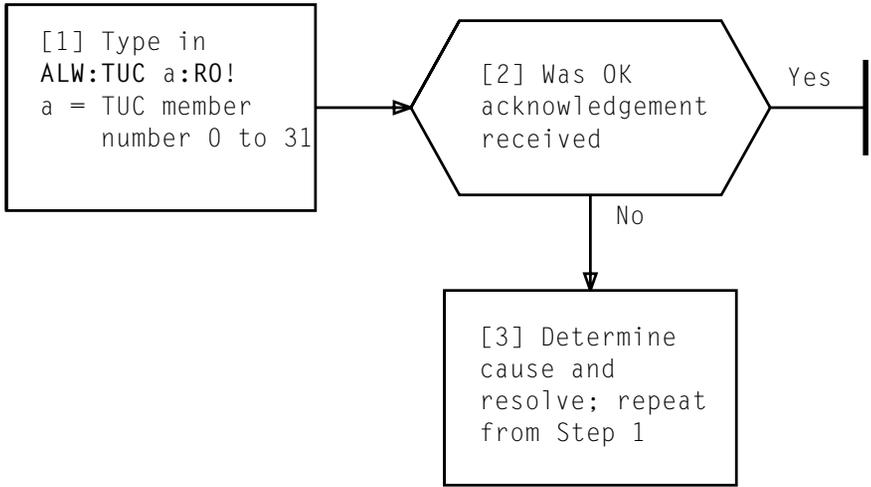


TABLE A	
SET:TUC a	
TAPE MOUNTED ON TUC	
TAPE TYPE: LIB	
.	
.	
.	
OK TO PROCESS TAPE?	
a = TUC member number	
0 to 31	



ALLOW TUC READ ONLY ACCESS

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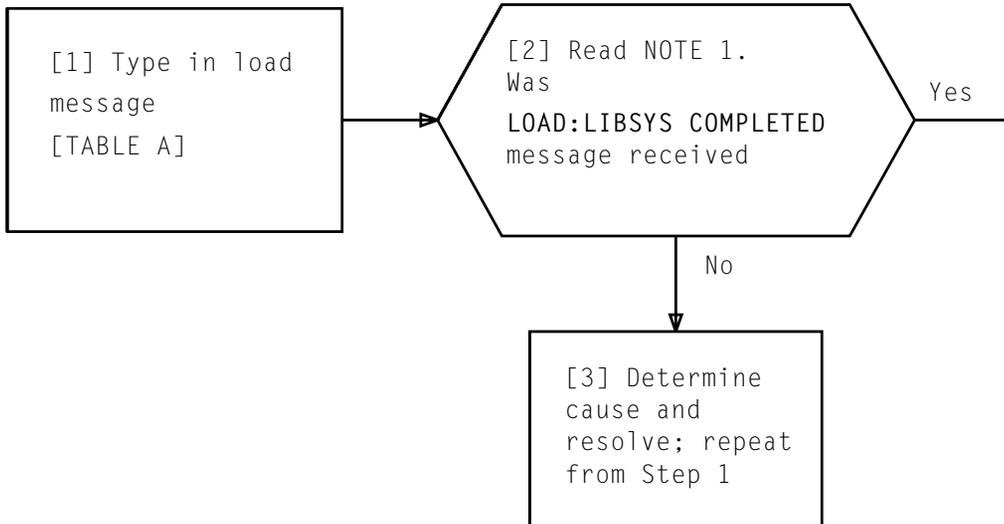


TABLE A
LOAD:LIBSYS,FS;TAPE:PKG L4ExPGR0!
x = Current office generic number

NOTE 1 System will not respond COMPLETED until tape loaded	
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LOAD LIBRARY TAPE CONTAINING PROGRAM TO BE USED IN FILE STORE

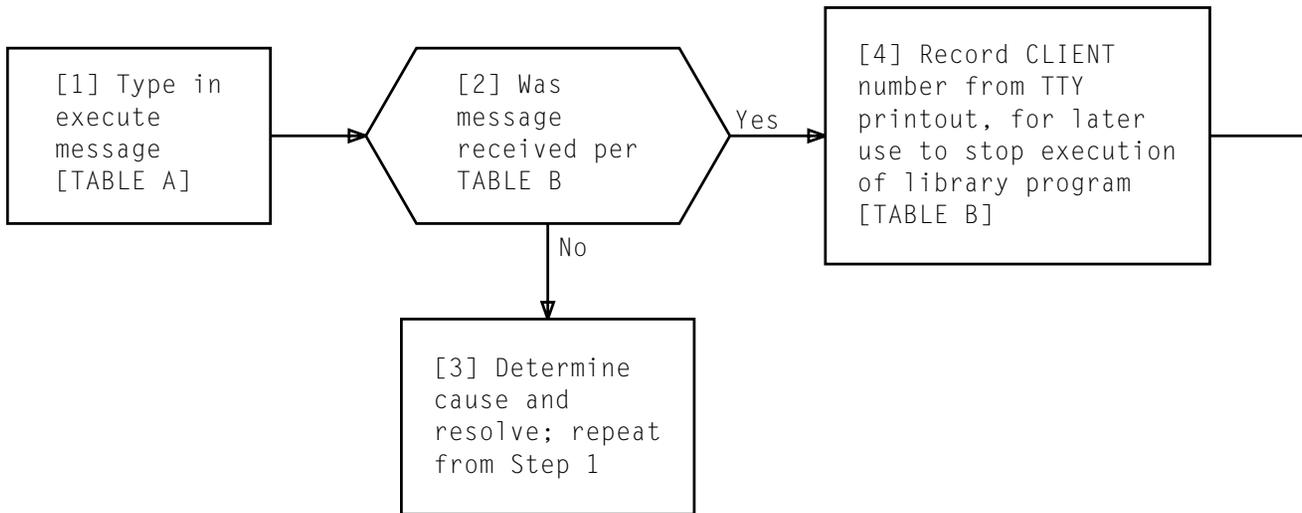


TABLE A
EX:LIBSYS:PKG L4ExpGRO,PGM b,TASK 0/
x = Current office generic number

TABLE B
EX:LIBSYS:PKG L4ExpGRO,PGM a,TASK 0/,CLIENTb STARTED
a = Program name being used – MITS or XAPP or TWRL
b = Client number to be recorded for later use
x = Current office generic number

SUMMARY

Using a verify input message, verify that member equipage (ME) for growth unit type is UNEQ. If equipage is in error change ME to UNEQ

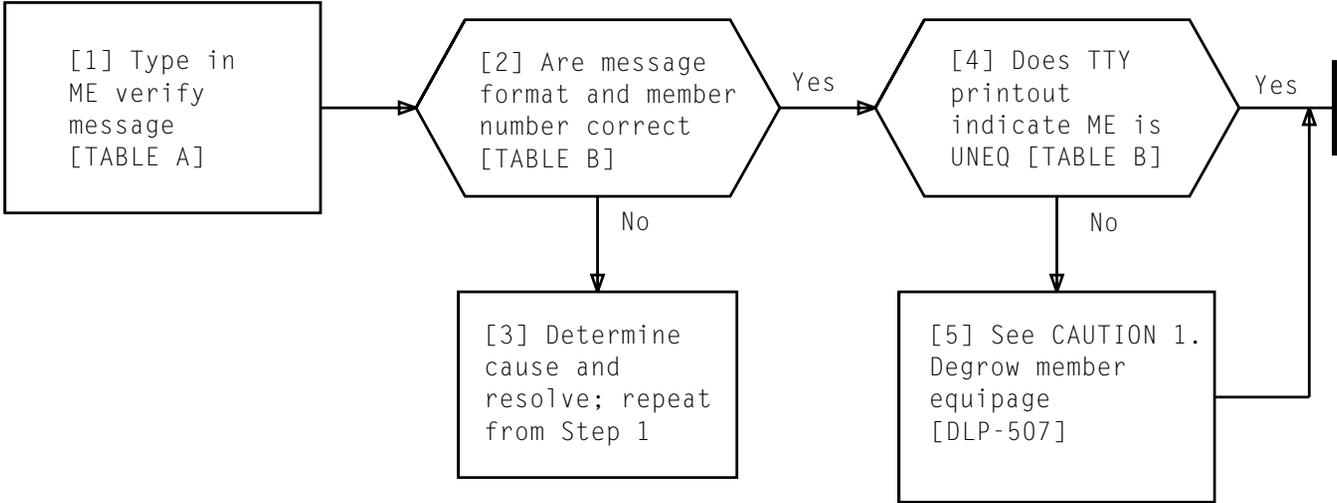


TABLE A
VER:UTMN;CUR:RAI 0,ME!

TABLE B
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME UNEQ
a = Growth unit type
b = Member number of growth unit

CAUTION 1
 Depending on local procedures, supervisory or TELCO engineering approval must be obtained prior to performing any data changes

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VERIFY THAT MEMBER EQUIPAGE IS UNEQUIPPED FOR GROWTH UNIT TYPE

SUMMARY

Type change message to degrow member equipage (ME) from OPER to SGRO and/or from SGRO to GROW and/or from GROW to UNEQ. Verify buffered ME, type copy message, and verify current ME for each required change in state. If after

each verify, the ME is not in the right state, type stop message and start change from beginning. After all required changes in equipage are in copy state, type update message and verify current ME.

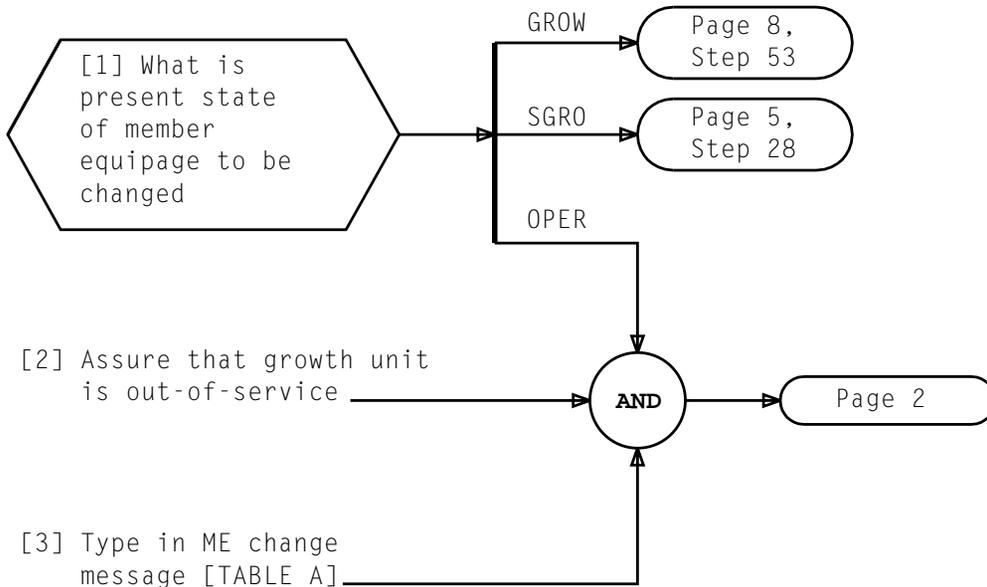


TABLE A

IN:XLBUF:RAI 0,ME (OPER,SGRO)!

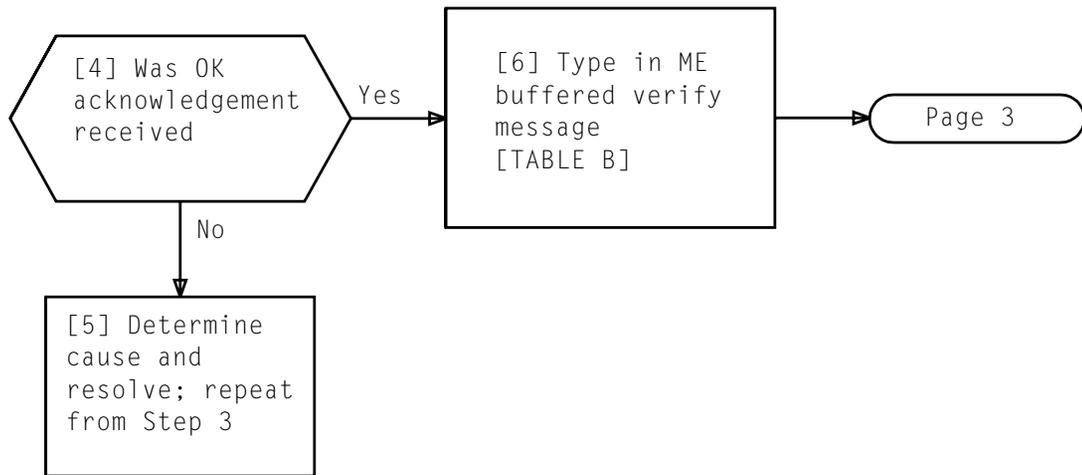


TABLE B
VER:UTMN;BUF:RAI 0,ME!

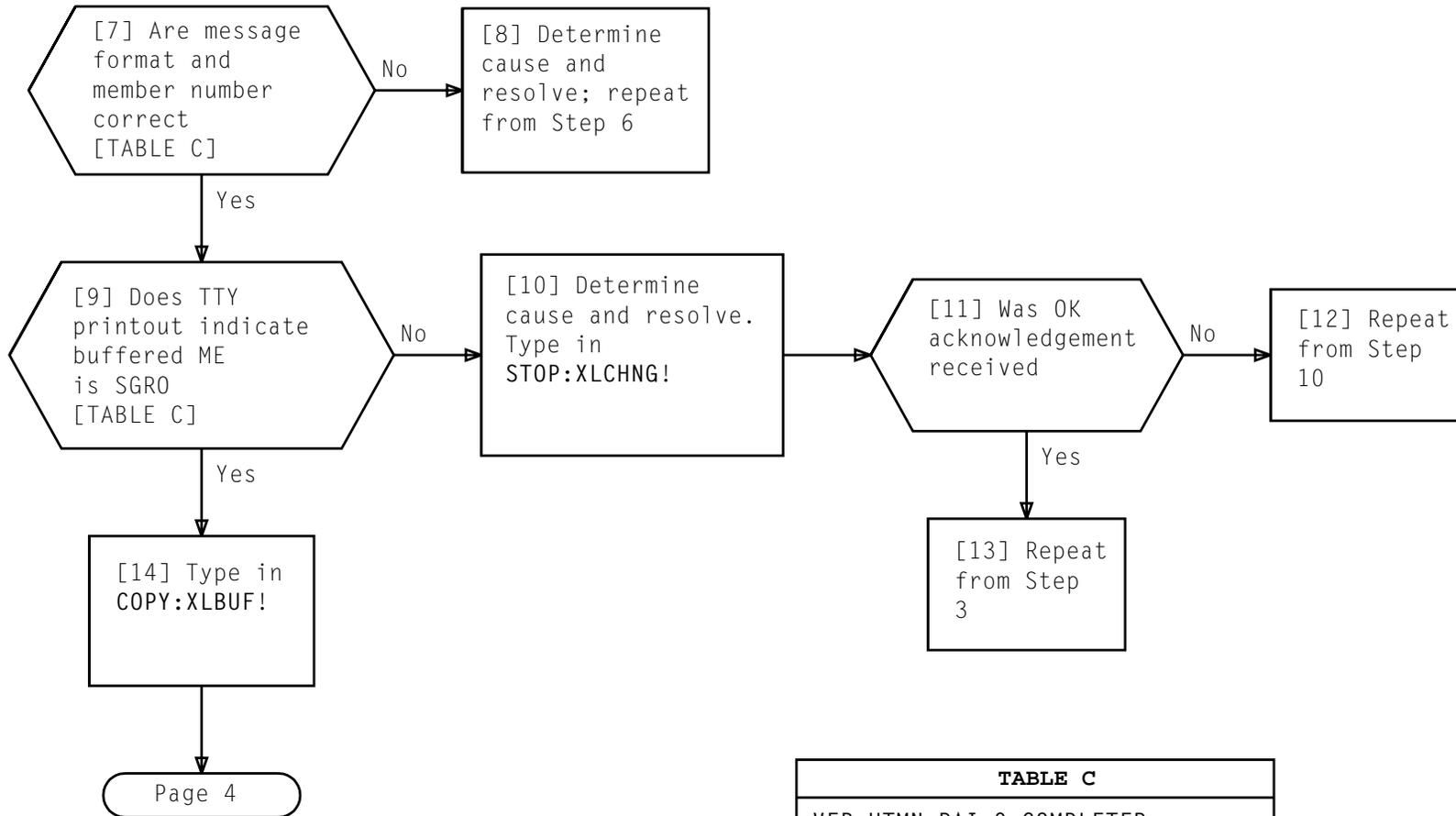


TABLE C
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
BUFFERED DATA
ME SGRO

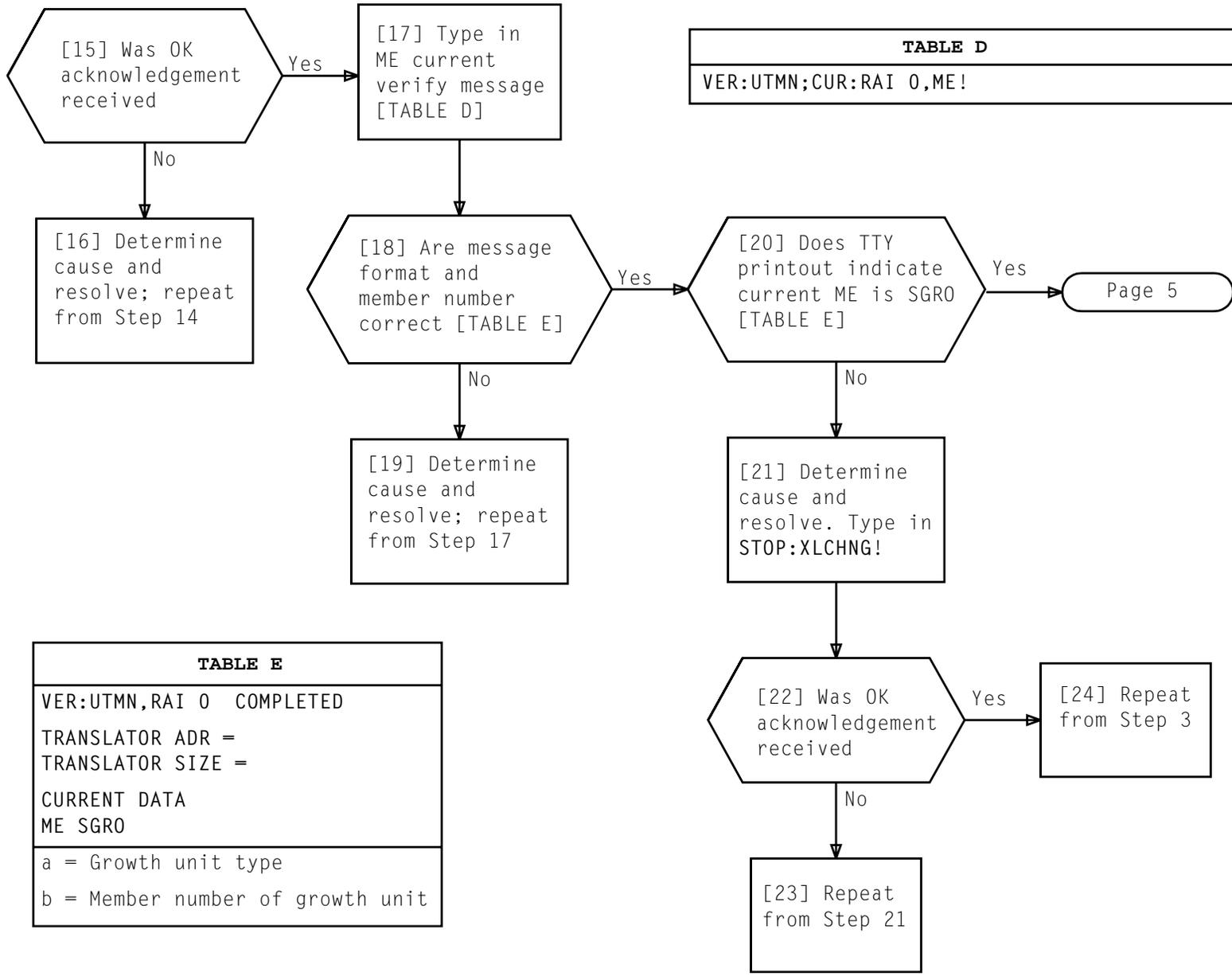


TABLE D
VER:UTMN;CUR:RAI 0,ME!

TABLE E
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME SGRO
a = Growth unit type
b = Member number of growth unit

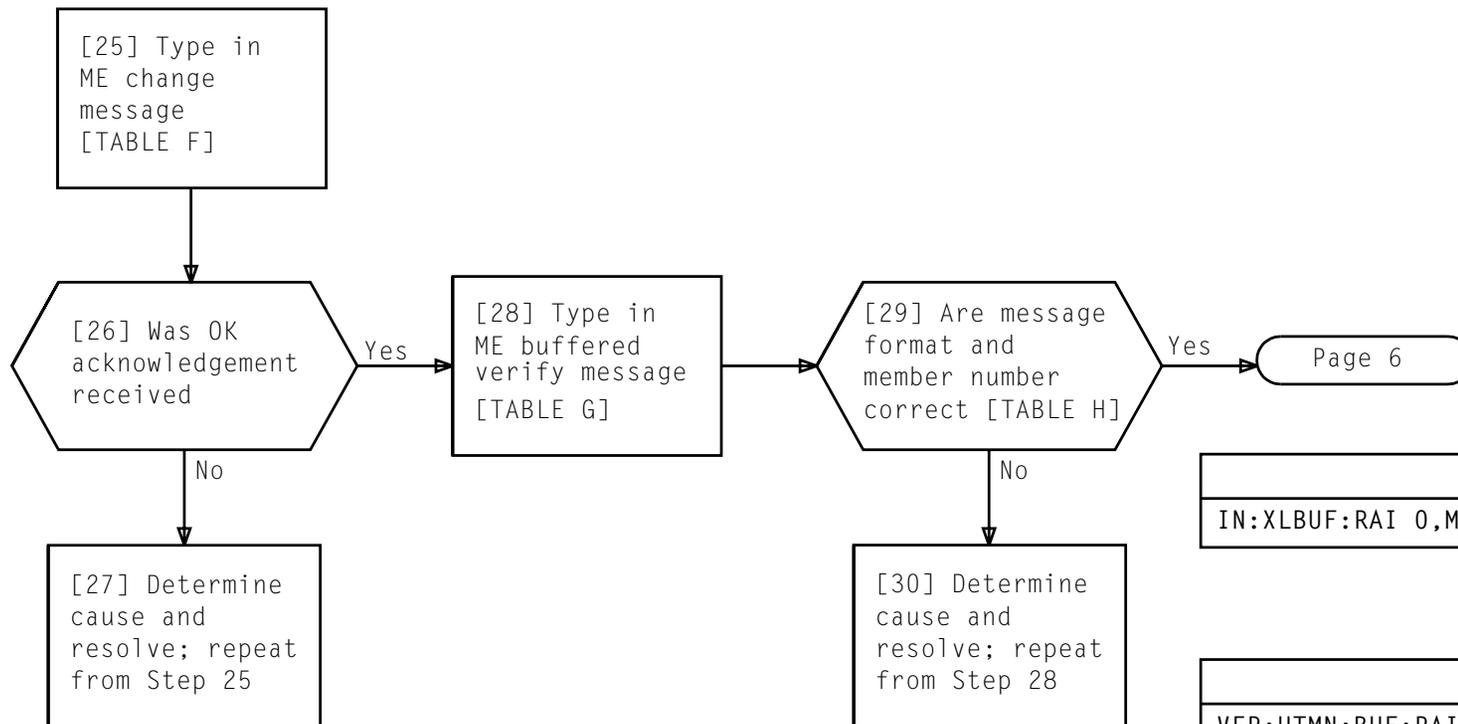


TABLE F
IN:XLBUF:RAI 0,ME (SGRO,GROW)!

TABLE G
VER:UTMN;BUF:RAI 0,ME!

TABLE H
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
BUFFERED DATA
ME GROW

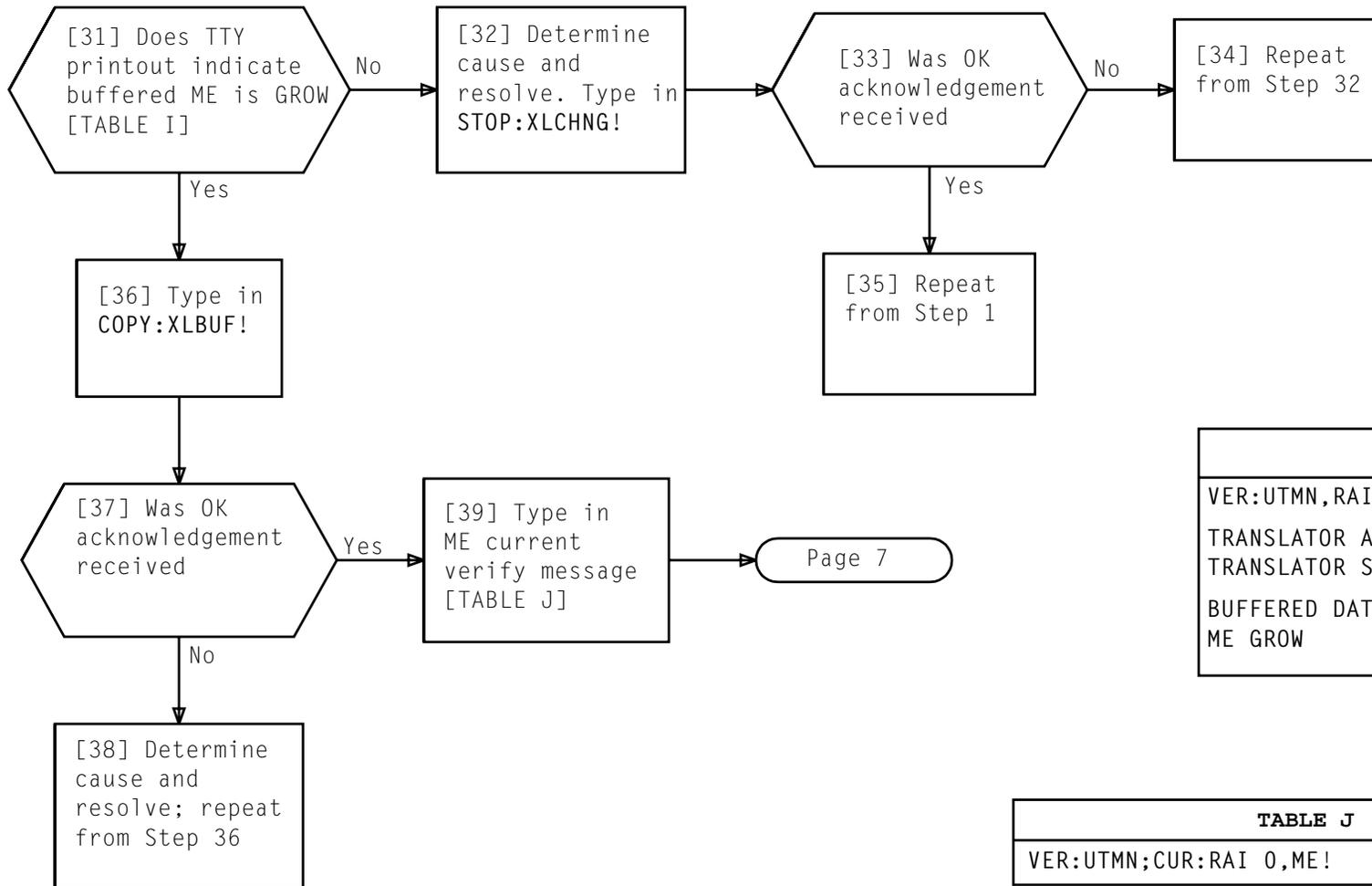


TABLE I
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
BUFFERED DATA
ME GROW

TABLE J
VER:UTMN;CUR:RAI 0,ME!

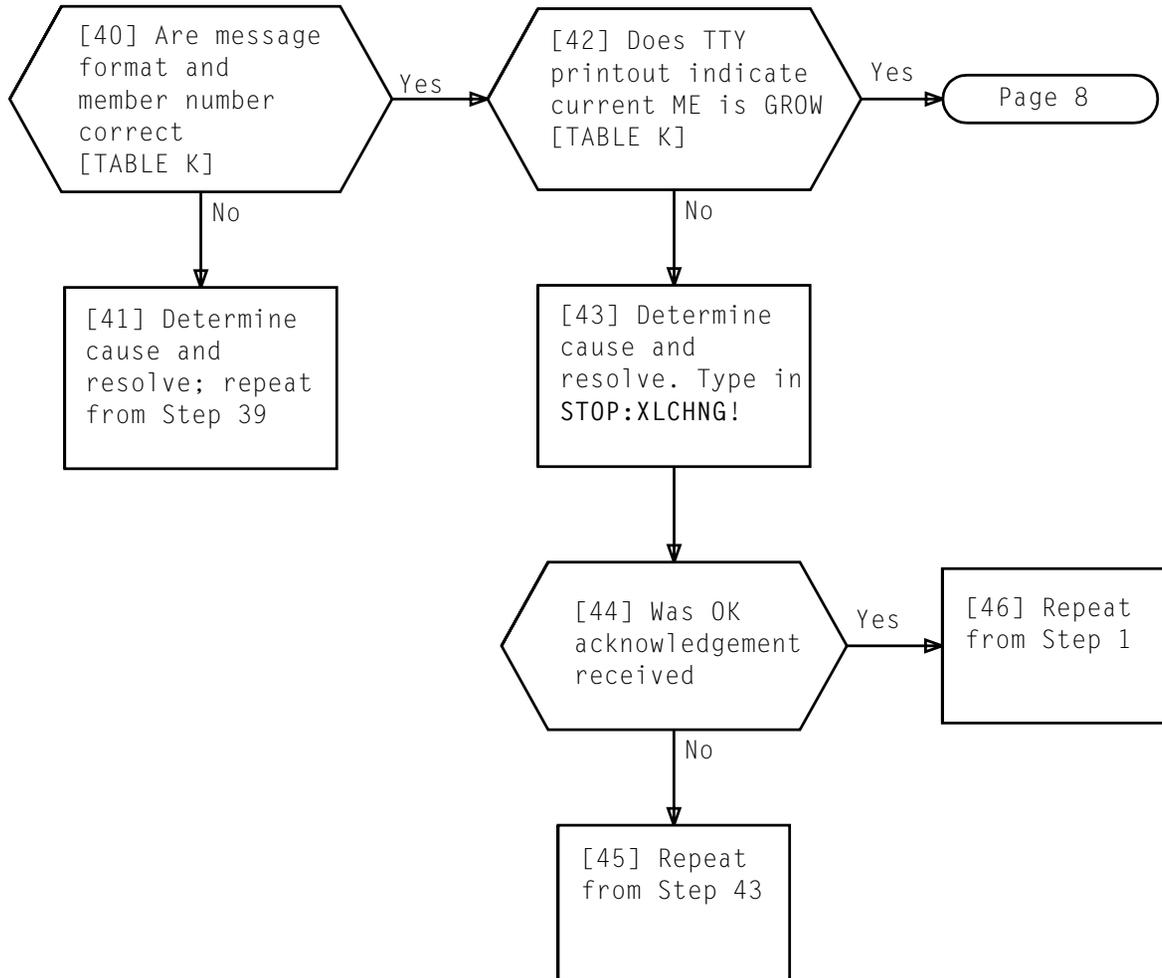


TABLE K
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME GROW

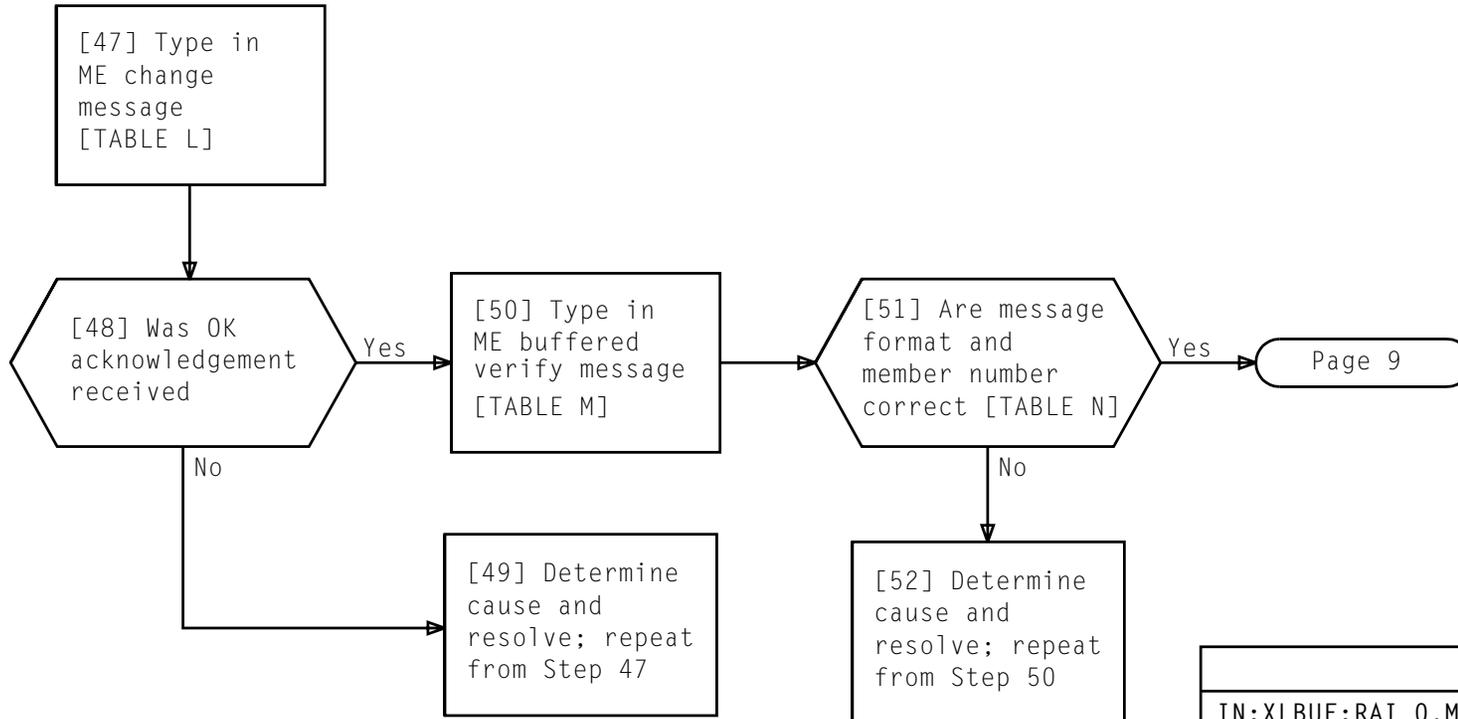


TABLE L
IN:XLBUF:RAI 0,ME (GROW,UNEQ)!

TABLE M
VER:UTMN;BUF:RAI 0,ME!

TABLE N
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
BUFFERED DATA
ME GROW

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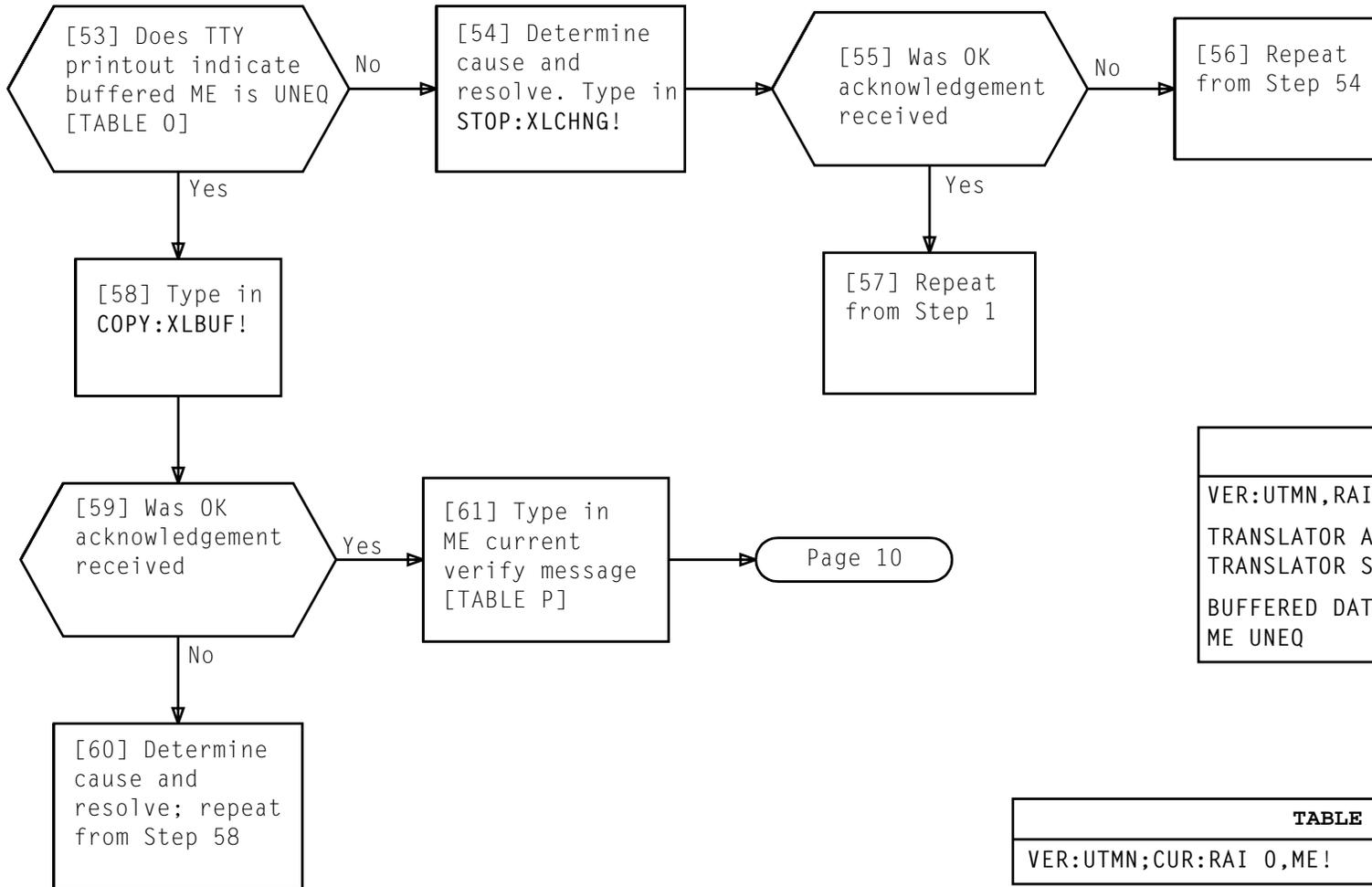


TABLE O
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
BUFFERED DATA
ME UNEQ

TABLE P
VER:UTMN;CUR:RAI 0,ME!

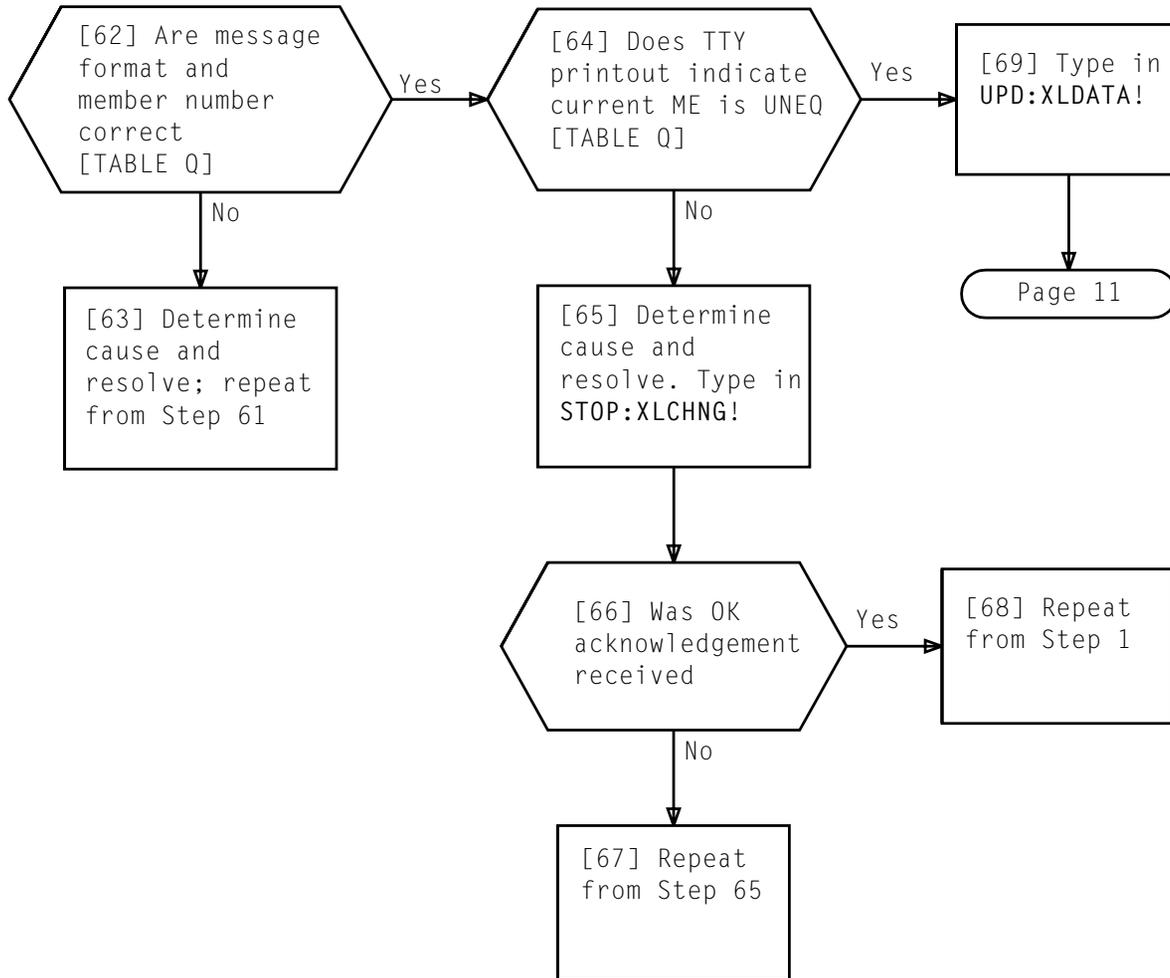


TABLE Q	
VER:UTMN,RAI 0 COMPLETED	
TRANSLATOR ADR =	
TRANSLATOR SIZE =	
CURRENT DATA	
ME UNEQ	

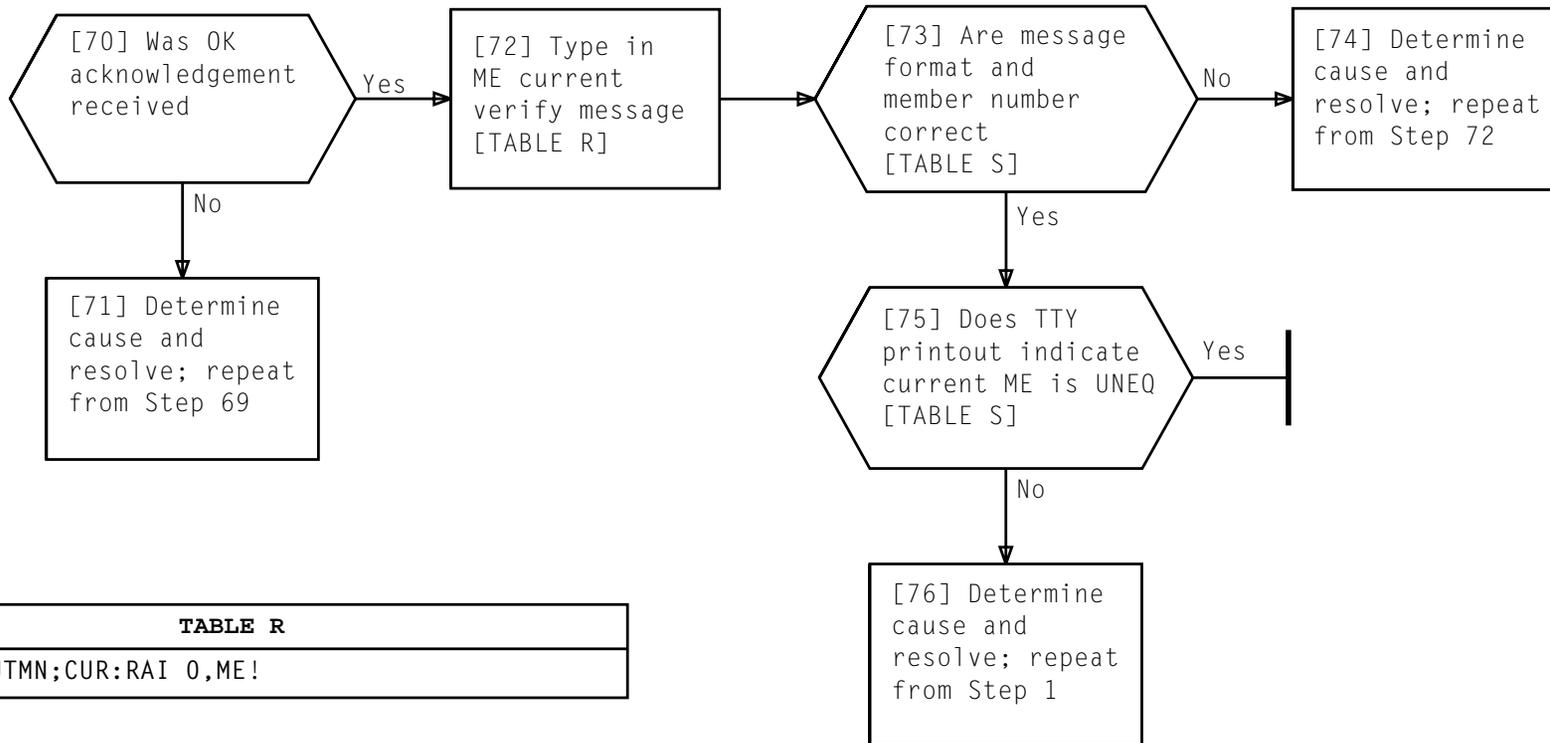


TABLE R
VER:UTMN;CUR:RAI 0,ME!

TABLE S
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME UNEQ

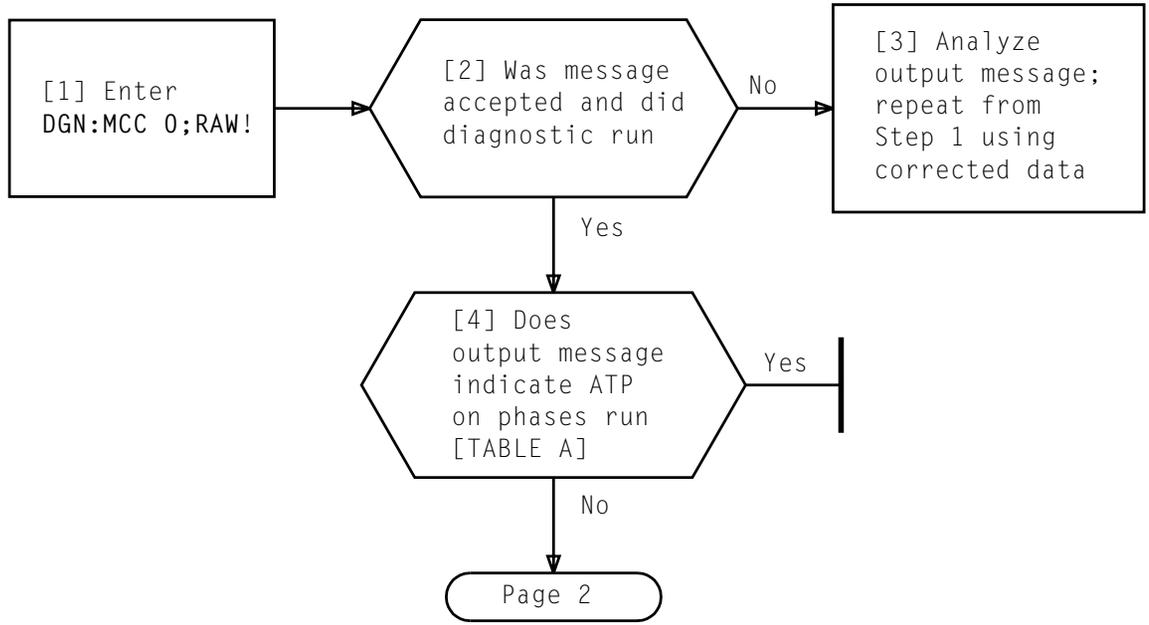
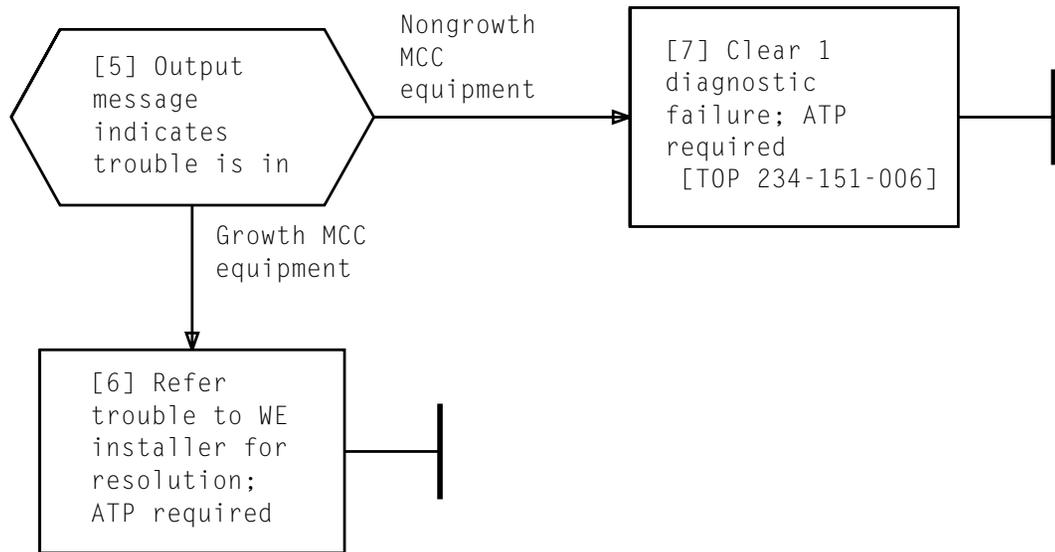
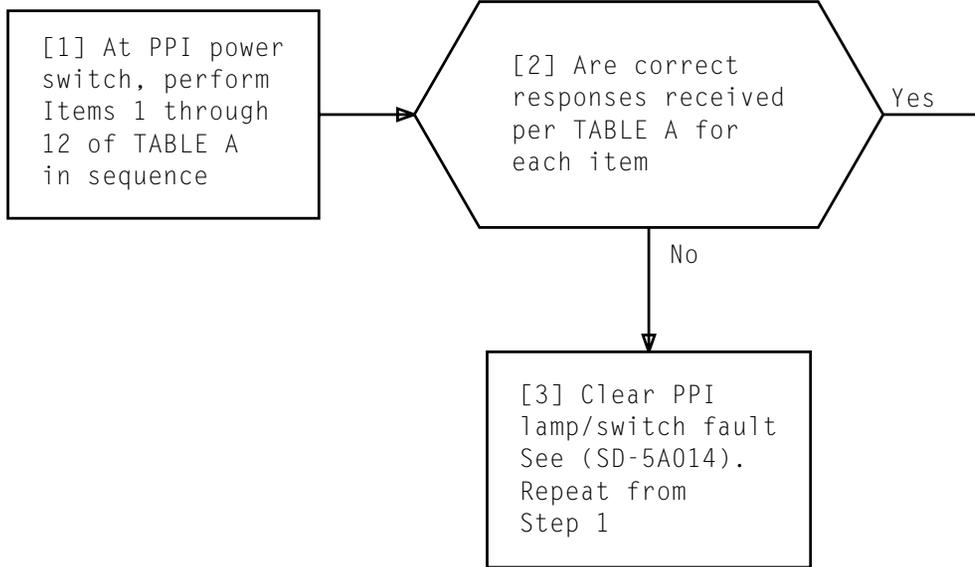


TABLE A
PHASE NUMBERS
1
11
12
21 thru 27
31 thru 38
41 thru 44
51



DIAGNOSE MCC

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PERFORM PPI POWER SWITCH TESTS

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TABLE A – TEST PROCEDURES

ITEM	ACTION	REQUIRED RESPONSES				
		POWER SWITCH LAMPS				TTY MESSAGES/RESPONSE
		OFF NORM	ACK	OS	PWR OFF	
1	Observe initial conditions	OFF	OFF	OFF	OFF	None
2	Depress and hold TEST pushbutton	ON	ON	ON	ON	None
3	Release TEST pushbutton	OFF	OFF	OFF	OFF	None
4	Rotate OFF pushbutton clockwise to ROS position	ON	ON then OFF	ON	OFF	RMV:MCC 0 COMPLETED
5	Depress and hold TEST pushbutton	ON	ON	ON	ON	None/LEDs on A8 and FB152 converters and 71G1 power unit are ON
6	Release TEST pushbutton	ON	OFF	ON	OFF	None/LEDs on A8 and FB152 converters and 71G1 power unit are ON
7	Depress ON pushbutton	ON	OFF	ON	OFF	None/LEDs on A8 and FB152 converters and 71G1 power unit are OFF
8	Rotate OFF pushbutton to normal position	OFF	ON then OFF	OFF	OFF	RST:MCC 0 COMPLETED
9	Rotate OFF pushbutton clockwise to ROS position	ON	ON then OFF	ON	OFF	RMV:MCC 0 COMPLETED
10	Depress and release OFF pushbutton	ON	OFF	ON	ON	REPT:MAN PWR RMVD MCC 0, FRM:PPI 0
11	Depress ON pushbutton, then release	ON	ON then OFF	ON	OFF	REPT:PWR RSTD MCC 0
12	Rotate OFF pushbutton counterclockwise to normal position	OFF	ON then OFF	OFF	OFF	RST:MCC 0 COMPLETED

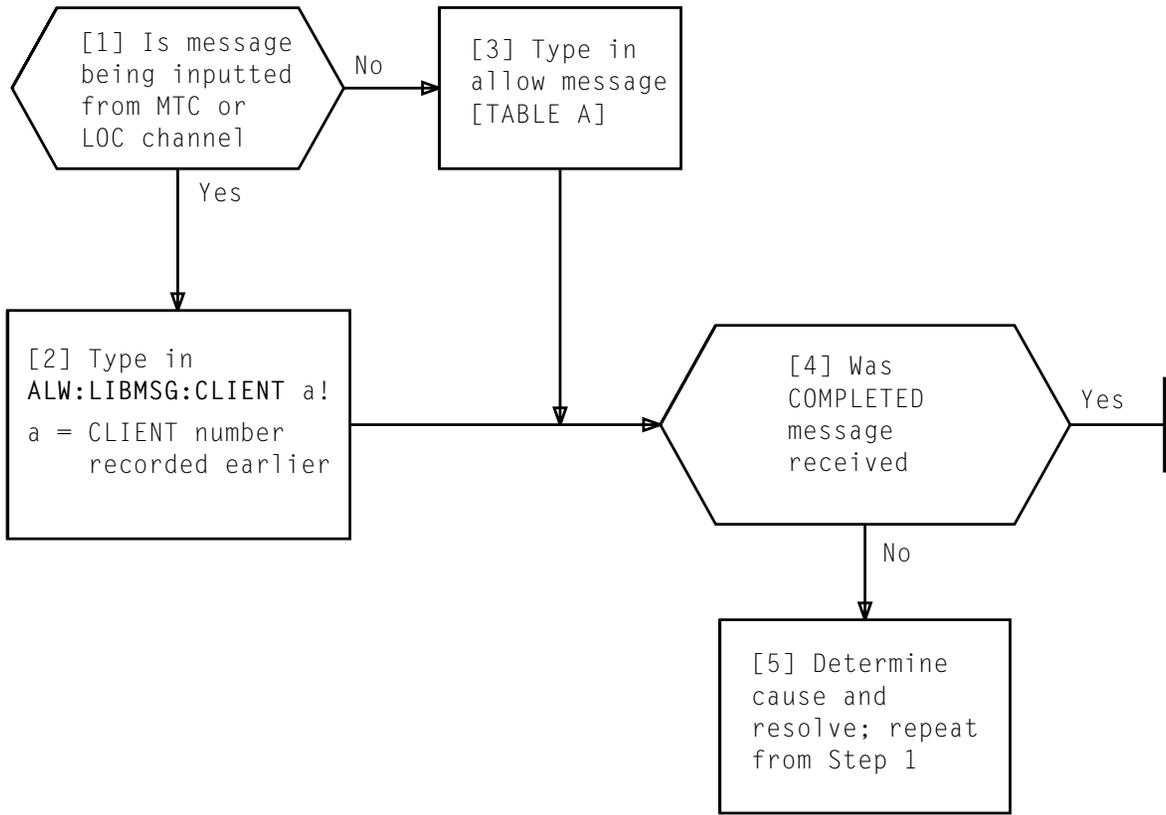
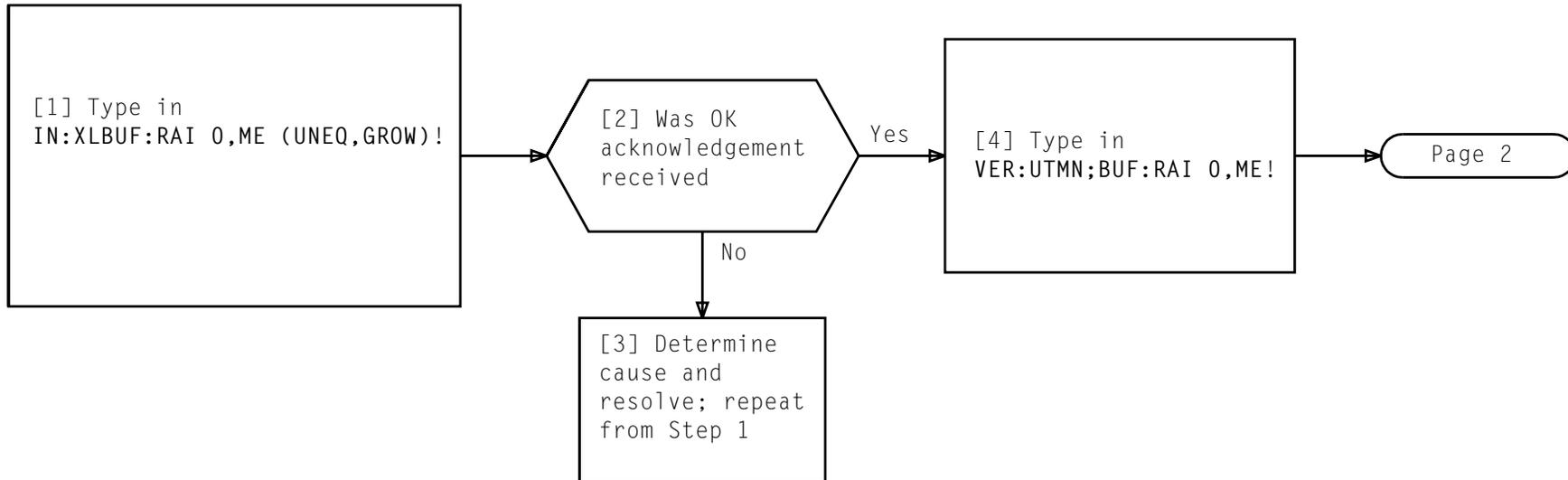


TABLE A	
ALW:LIBMSG:CLIENT a,CHAN (b,c)!	
a = CLIENT number recorded earlier	
b = MTC (for No. 4 ESS office) LOC (for No. 1A ESS office)	
c = Channel name on which the message is to be inputted	

ALLOW LIBRARY MESSAGE CHANNEL FOR SPECIFIED CLIENT NUMBER

SUMMARY

Type change message to grow member equipage (ME) from UNEQ to GROW. Verify buffered ME, type copy message, verify current ME, then type update message. If after each verify, the ME is not in the right state, type stop message and start change from beginning.



**CHANGE AND VERIFY MEMBER EQUIPAGE
UNEQUIPPED TO GROW**

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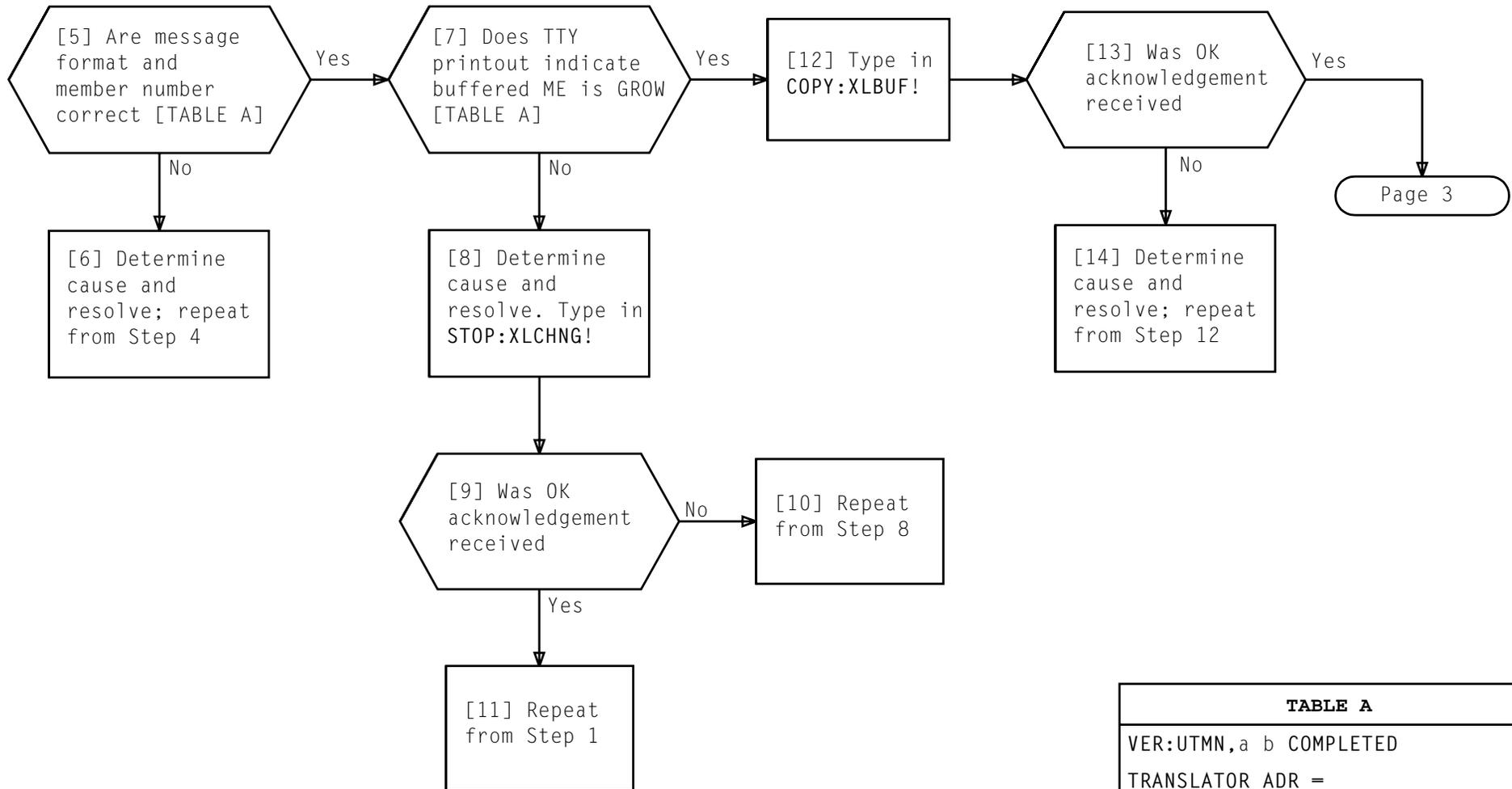


TABLE A	
VER:UTMN,a b COMPLETED	
TRANSLATOR ADR =	
TRANSLATOR SIZE =	
BUFFERED DATA	
ME GROW	
a = Growth unit type	
b = Member number of growth unit	

**CHANGE AND VERIFY MEMBER EQUIPAGE
UNEQUIPPED TO GROW**

[15] Type in
VER:UTMN;CUR:RAI 0,ME!

[16] Are message
format and member
number correct
[TABLE B]

No

[17] Determine
cause and
resolve; repeat
from Step 15

Yes

[18] Does TTY
printout indicate
current ME
is GROW [TABLE B]

No

[19] Determine
cause and resolve.
Type in
STOP:XLCHNG!

[20] Was OK
acknowledgement
received

No

[21] Repeat
from
Step 19

Yes

[23] Type in
UPD:XLDATA!

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[22] Repeat
from
Step 1

TABLE B

VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME GROW

**CHANGE AND VERIFY MEMBER EQUIPAGE
UNEQUIPPED TO GROW**

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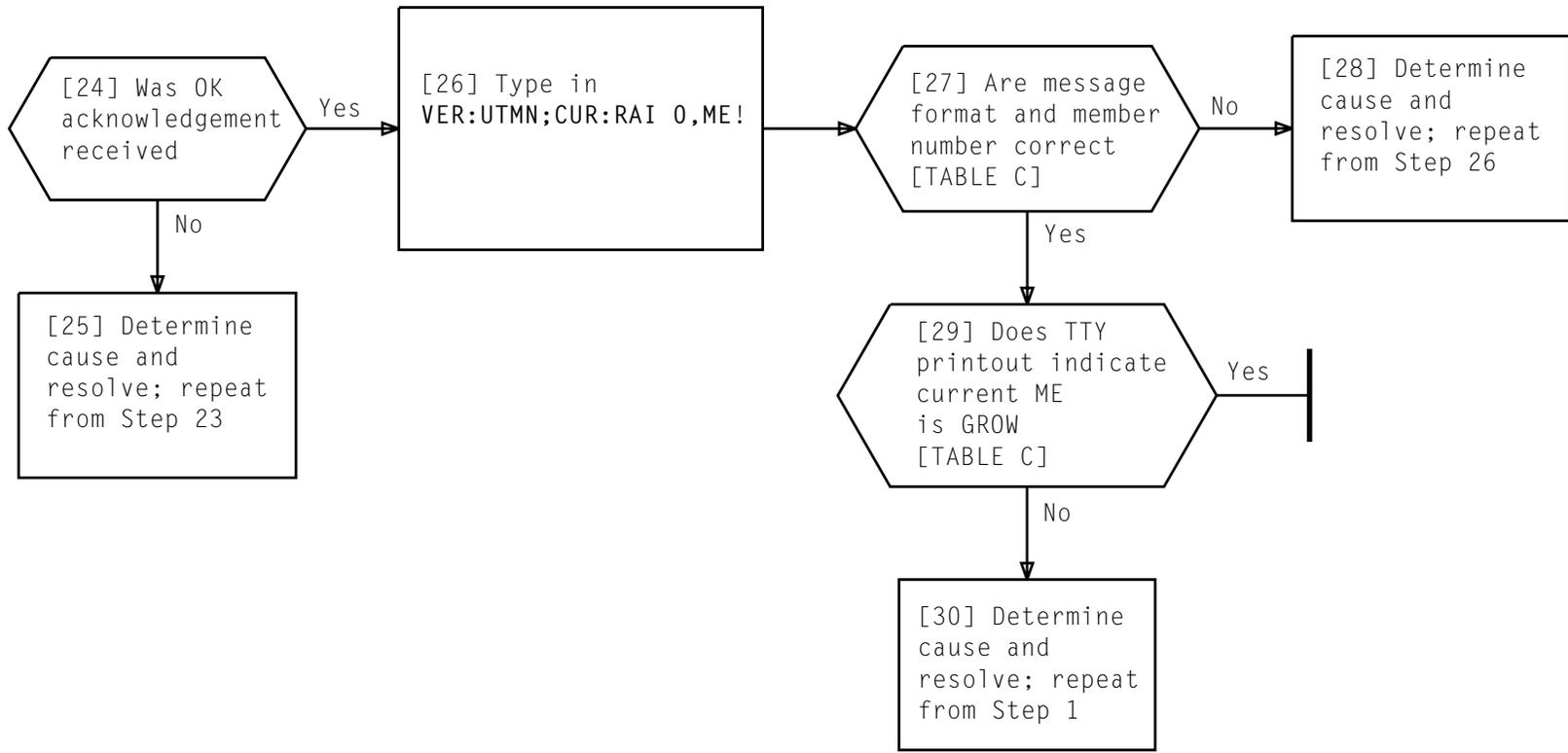


TABLE C
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME GROW

**CHANGE AND VERIFY MEMBER EQUIPAGE
UNEQUIPPED TO GROW**

1. General:

- 1.1 Refer to trouble analysis procedures in TOP 234-151-006 for repair of lamp or switch faults detected during execution of these tests
- 1.2 To avoid interference with other office work activity, suspend activities (eg, Recent Change, Library Programs, etc) until this procedure is completed
- 1.3 This procedure causes two expected A-level interrupts and one expected B-level interrupt per CC
- 1.4 Tests in this procedure are to be run following execution of MCC diagnostic demand phases 91 and 92 with ATP results
- 1.5 If a failure is detected in a test group, complete remaining steps in that group; then clear fault and repeat group under test before continuing with tests in next group
- 1.6 CAUTION: Prior to starting these tests, assure that recent change processing is not restricted (AT MCC **SYSTEM STATUS** panel--**RESTRICT RECENT CHANGES** key lamp is OFF).
- 1.7 CAUTION: If an equipment unit, ie, CC, CSB or PSB, etc, is left in an out-of-service state following the execution of any test group, restore the unit to service before continuing with tests in the next test group.

2. Test procedure:

2.1. Test group 1

1. At MCC **SYSTEM DISPLAY** panel:
Depress **DATA INSERT** keys (0,1), (3,4), (6,7), (10,11), (21,23)

Response: Each key lamp lighted WHITE

2. Depress **SCAN POINT READING** key

Response: Key lamp lighted WHITE
BINARY DISPLAY lamp 12 lighted

2.2 Test group 2

1. At MCC **OVERRIDE CONTROL** panel:
Depress **CC0/1** key associated with presently active CC

Response: Key lamp lighted WHITE,
BINARY DISPLAY lamp 4/5 lighted
NO OVERRIDE lamp lighted RED

2. Depress **ACTIVATE OVERRIDE IN EFFECT** key

Response: Key lamp lighted WHITE,
A-level interrupt printout received,
BINARY DISPLAY lamp 4, 11 lighted if
CCO selected or lamp 5, 11 if **CC1**
selected

3. Depress **ACTIVATE OVERRIDE IN EFFECT** key

Response: **OVERRIDE IN EFFECT** lamp OFF
BINARY DISPLAY lamp 11 OFF

4. Depress **CCO/1** key selected in Step 2.2.1

Response: Key lamp OFF
NO OVERRIDE lamp OFF

2.3 Test group 3

1. At MCC **MANUAL INTERRUPT PROGRAM REQUEST** panel:
Depress **RESTORE MTCE I/O** key
Response: Key lamp lighted WHITE
2. Depress **ACTIVATE PROGRAM REQUEST** key
Response: A-level interrupt printout received,
Maintenance I/O terminal cleared,
BINARY DISPLAY lamp 12 lighted
3. Depress **RESTORE MTCE I/O** key
Response: Key lamp OFF,
At MCC **SYSTEM STATUS** panel:
INTERRUPT INHIBITED lamp lighted YELLOW
4. Enter Message; ALW:IOUS 0,KCODE!
Response: AT MCC **SYSTEM STATUS** panel:
INTERRUPT INHIBITED lamp OFF

2.4 Test group 4

1. At MCC **PROCESSOR CONFIGURATION SEQUENCER** panel:
Depress **DISABLE AUTO PC** key
Response: Key lamp lighted RED,
BINARY DISPLAY lamp 3 lighted
2. Depress **RESET COUNTER** key
Response: All PC **STATE COUNTER** lamps OFF

3. Depress **ACTIVATE PC** key

Response: PC **STATE COUNTER 1** lamp lighted,
B-LEVEL interrupt printout received,
At MCC **SYSTEM DISPLAY** panel: **PHASE
PROGRESS** lamp lighted; **SCAN POINT
READING** lamp OFF

4. When **PHASE PROGRESS** lamp is OFF:
Depress **SCAN POINT READING** key: (key lamp lighted
WHITE) and *execute Step 5 immediately*
5. Depress **RESET COUNTER** key
Response: All **PC STATE COUNTER** lamps OFF
6. Depress **DISABLE AUTO PC** key
Response: Key lamp and **BINARY DISPLAY** lamp 3 OFF
7. If standby CC is out-of-service: Enter message to
restore standby CC to service (RST:CC a!)
Response: Standby CC restored to service after
diagnostic completed

2.5 Test group 5

1. At MCC **PROCESSOR CONFIGURATION SEQUENCER** panel:
Depress **DISABLE AUTO PC** key
Response: Key lamp lighted RED
BINARY DISPLAY lamp 3 lighted

2. At TUC (any available):
Mount scratch tape without a write protect ring
(use different TUC when tests are repeated)
3. Depress **SR** key on TUC
Response: Key lamp lighted WHITE,
At MCC **SYSTEM REINITIALIZATION** panel:
READY lamp lighted
4. At MCC **SYSTEM REINITIALIZATION** panel:
Depress **ENABLE DATA UNIT** key and
execute Step 5 immediately
Response: Key lamp lighted WHITE,
BINARY DISPLAY lamp **10** lighted
5. Depress **ENABLE DATA UNIT** key
Response: Key lamp and **BINARY DISPLAY** lamp **10** OFF
6. At TUC frame selected in Step 2.5.2:
Demount scratch tape from transport
Response: **SR** lamp OFF,
At MCC **SYSTEM REINITIALIZATION** panel:
READY lamp OFF

2.6 Restore controls used for test

1. At MCC **PROCESSOR CONFIGURATION SEQUENCER** panel:
Depress **DISABLE AUTO PC** key
Response: Key lamp OFF
2. At MCC **SYSTEM DISPLAY** panel:
Depress **SCAN POINT READING** key
Response: Key lamp and **BINARY DISPLAY** lamp **12**
OFF
3. Depress **DATA INSERT** keys operated in
Step 2.1.1
Response: Key lamps OFF
4. Enter Message **0P:00SUNITS**
5. Restore to service any units which are in
out-of-service state as a result of executing
this procedure

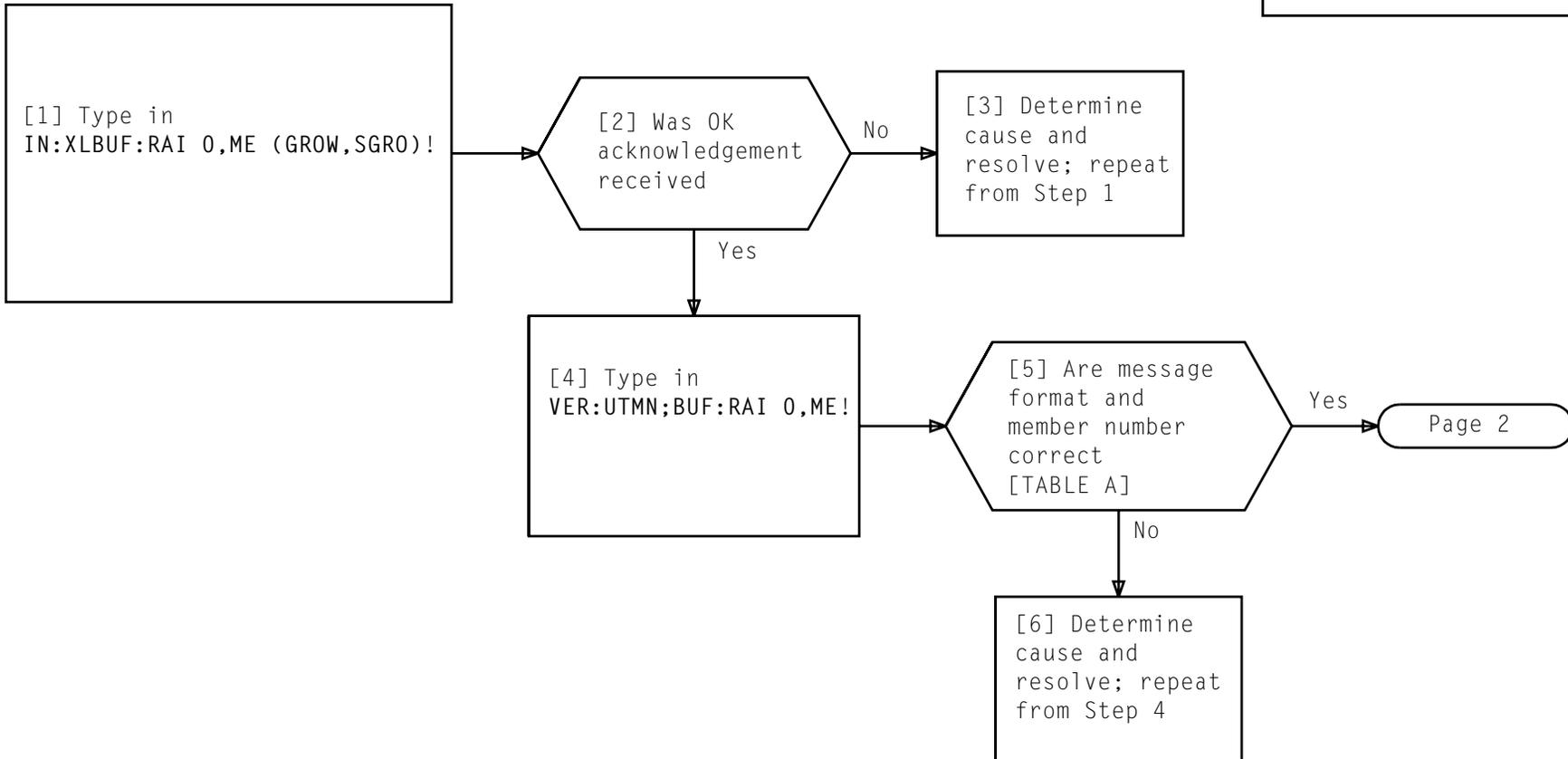
End of procedure

SUMMARY

Type change message to grow member equipage (ME) from GROW to SGRO. Verify buffered ME, type copy message, verify current ME, then type update message. If after each verify, the ME is not in the right state, type stop message and start change from beginning

TABLE A

VER:UTMN,RAI 0 COMPLETED
 TRANSLATOR ADR =
 TRANSLATOR SIZE =
 BUFFERED DATA
 ME SGRO



CHANGE AND VERIFY MEMBER EQUIPAGE
 GROW TO SPECIAL GROWTH

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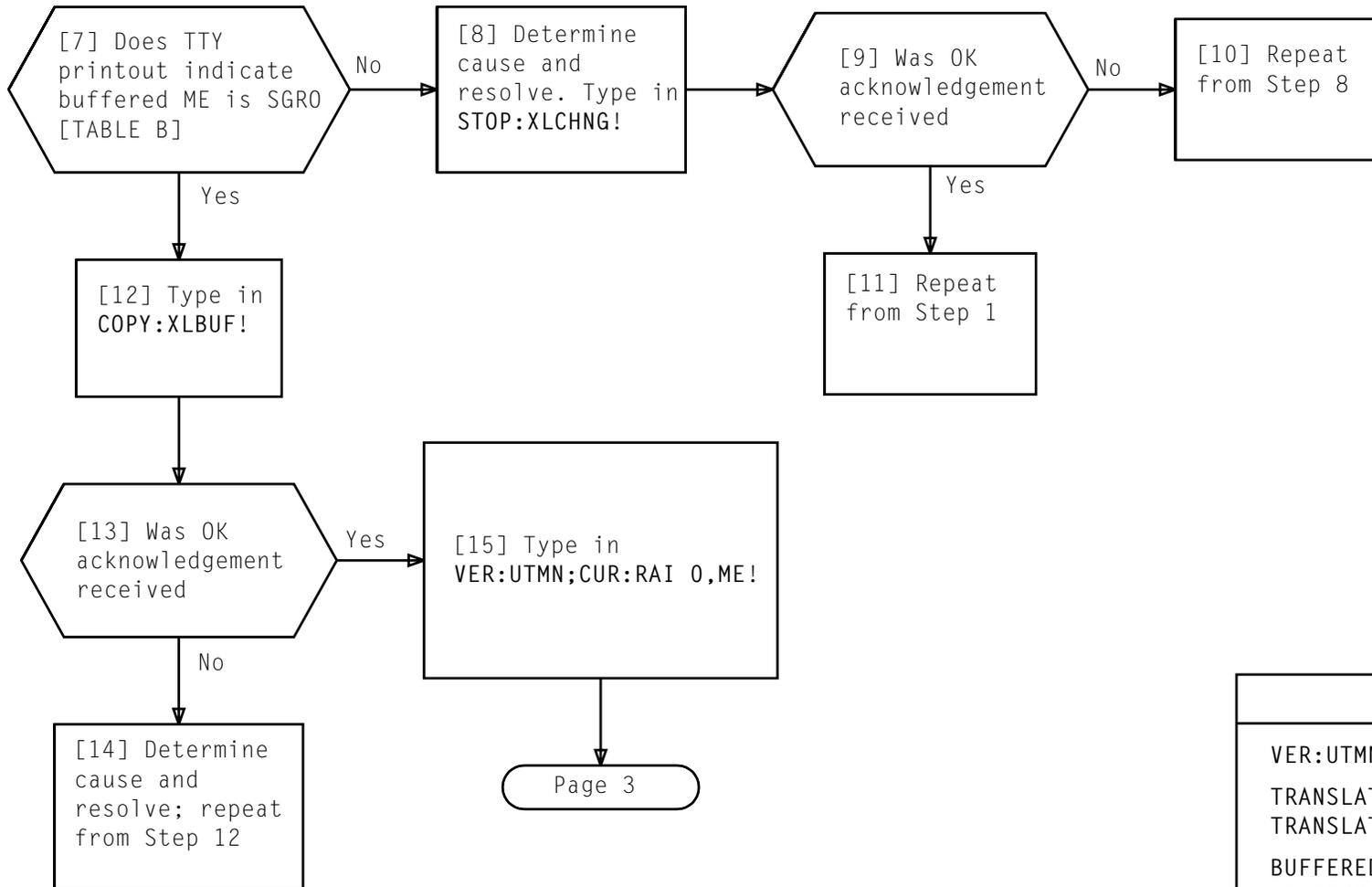


TABLE B	
VER:UTMN,RAI 0 COMPLETED	
TRANSLATOR ADR =	
TRANSLATOR SIZE =	
BUFFERED DATA	
ME SGRO	

**CHANGE AND VERIFY MEMBER EQUIPAGE
GROW TO SPECIAL GROWTH**

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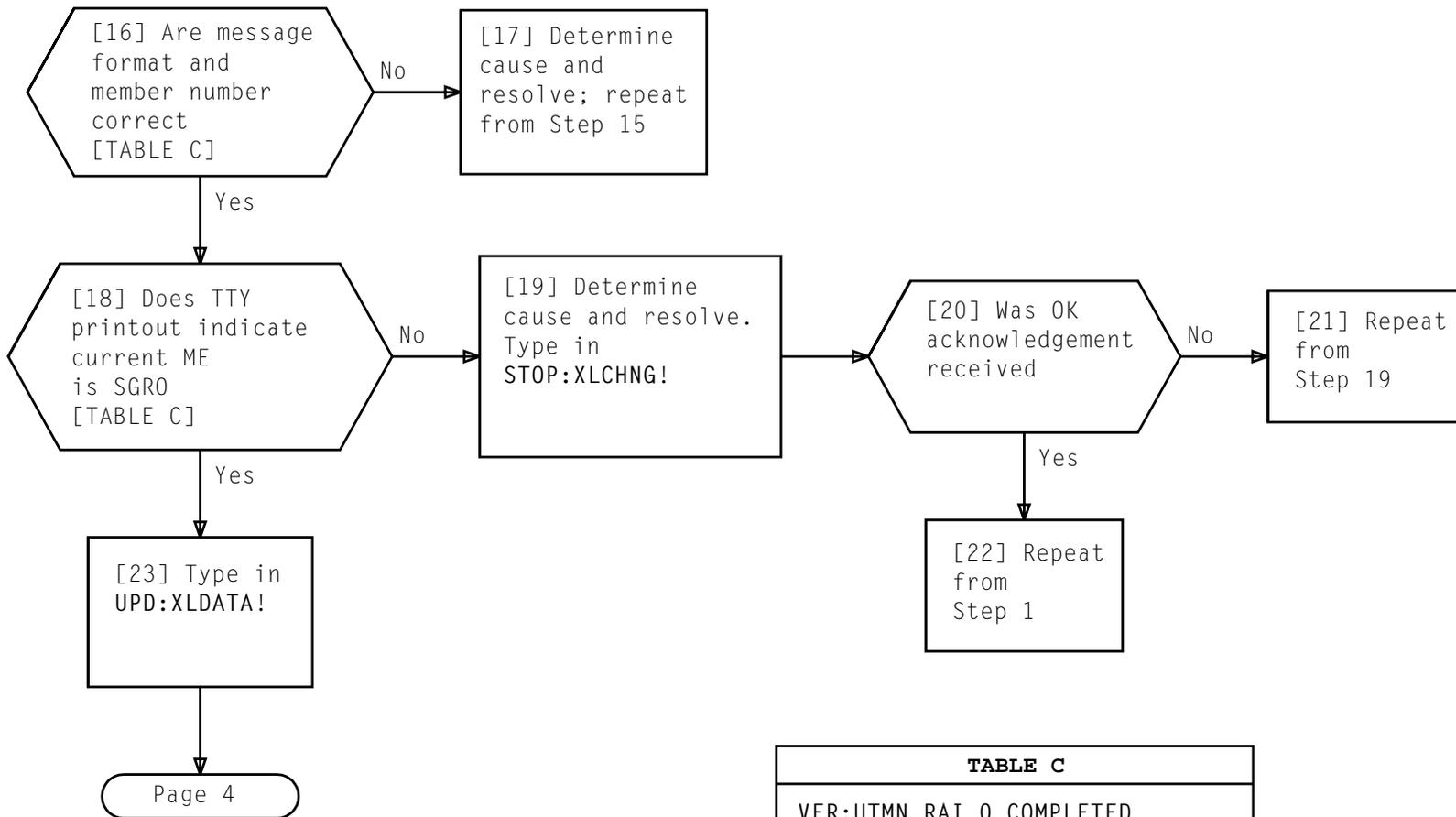


TABLE C
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME SGRO

**CHANGE AND VERIFY MEMBER EQUIPAGE
GROW TO SPECIAL GROWTH**

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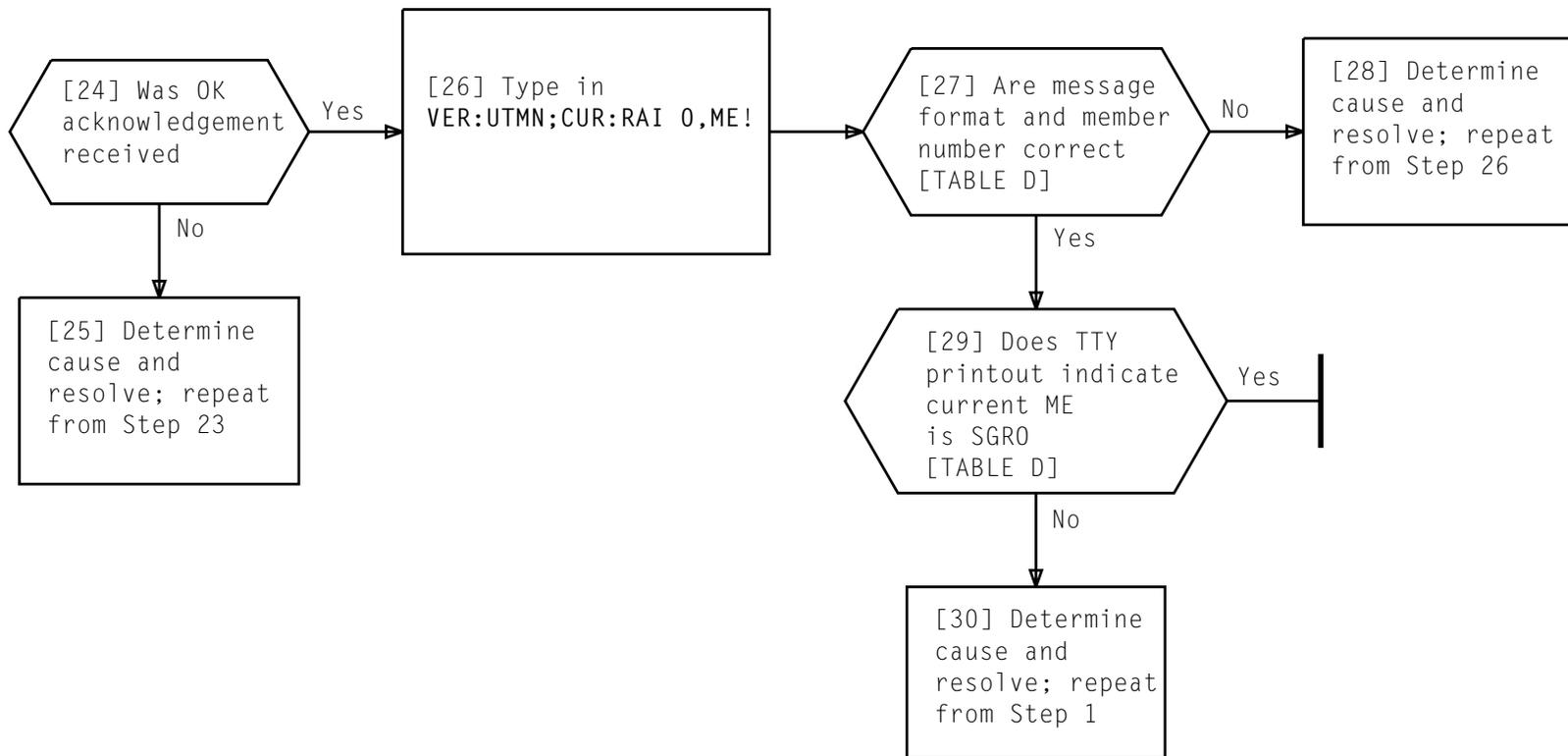


TABLE D
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME SGRO

**CHANGE AND VERIFY MEMBER EQUIPAGE
GROW TO SPECIAL GROWTH**

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SUMMARY

Type change message to grow member equipage (ME) from SGRO to OPER. Verify buffered ME, type copy message, verify current ME, then type update message. If after each verify, the ME is not in the right state, type stop message and start change from beginning.

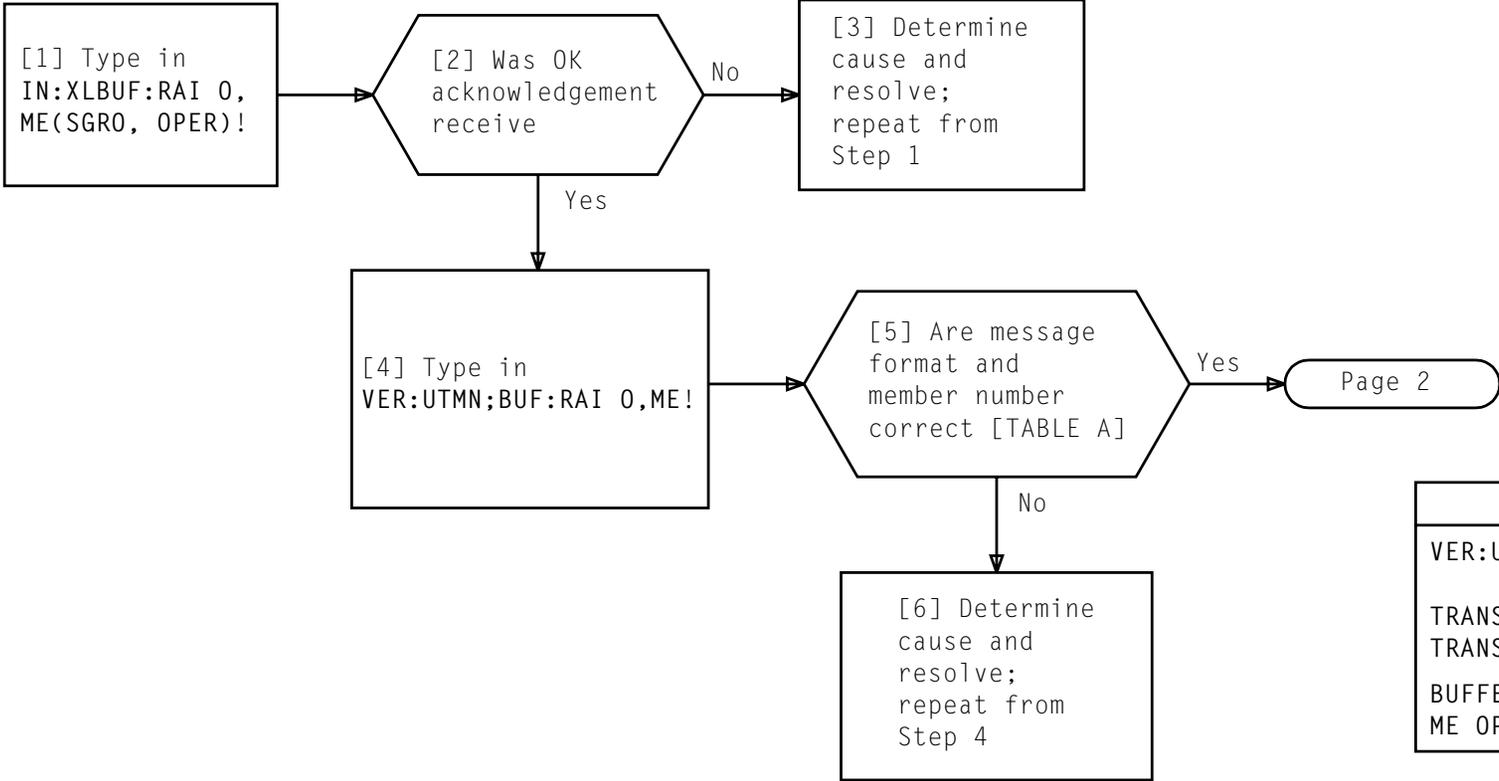


TABLE A
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
BUFFERED DATA
ME OPER

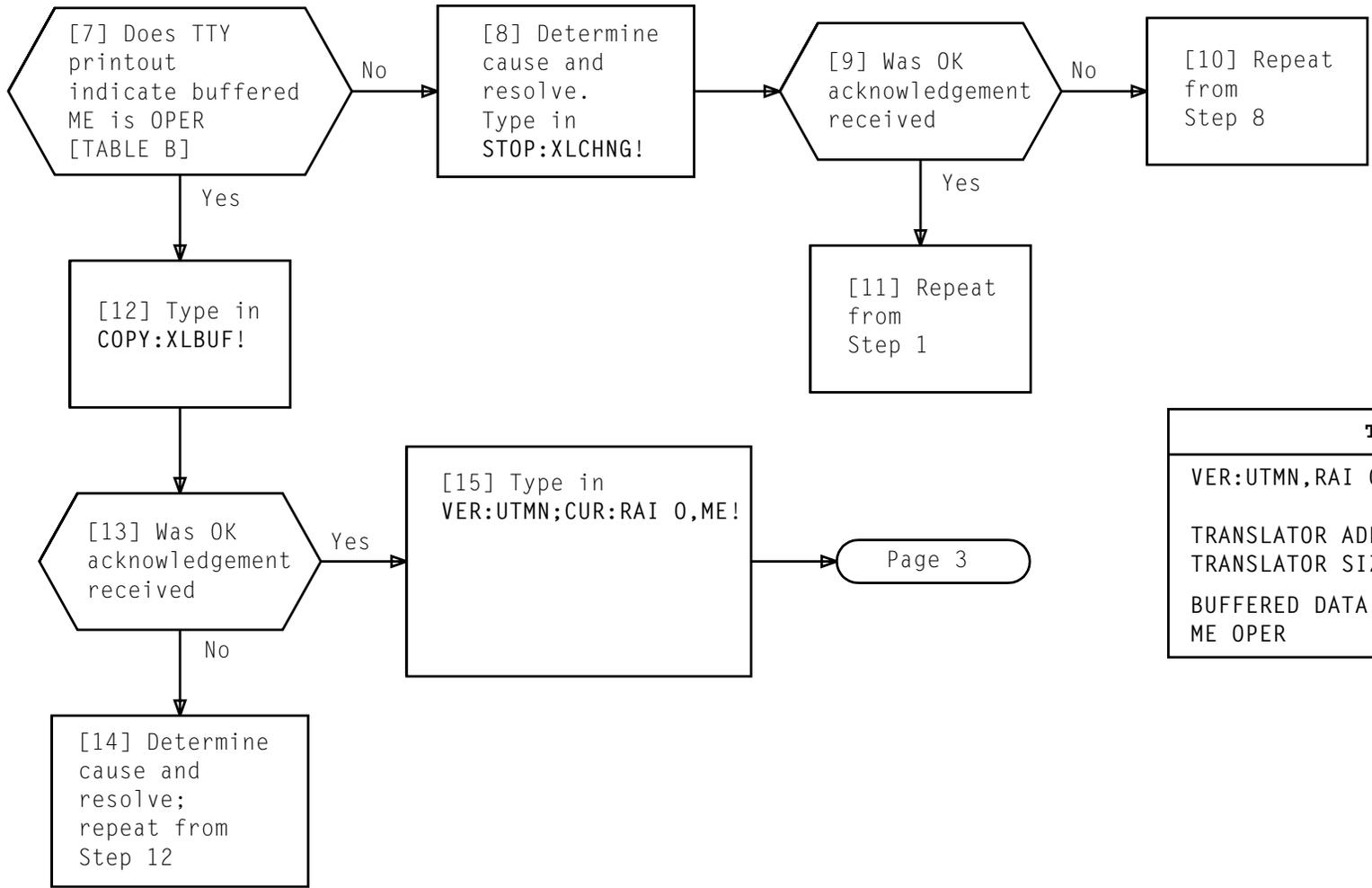


TABLE B	
VER:UTMN,RAI 0 COMPLETED	
TRANSLATOR ADR =	
TRANSLATOR SIZE =	
BUFFERED DATA	
ME OPER	

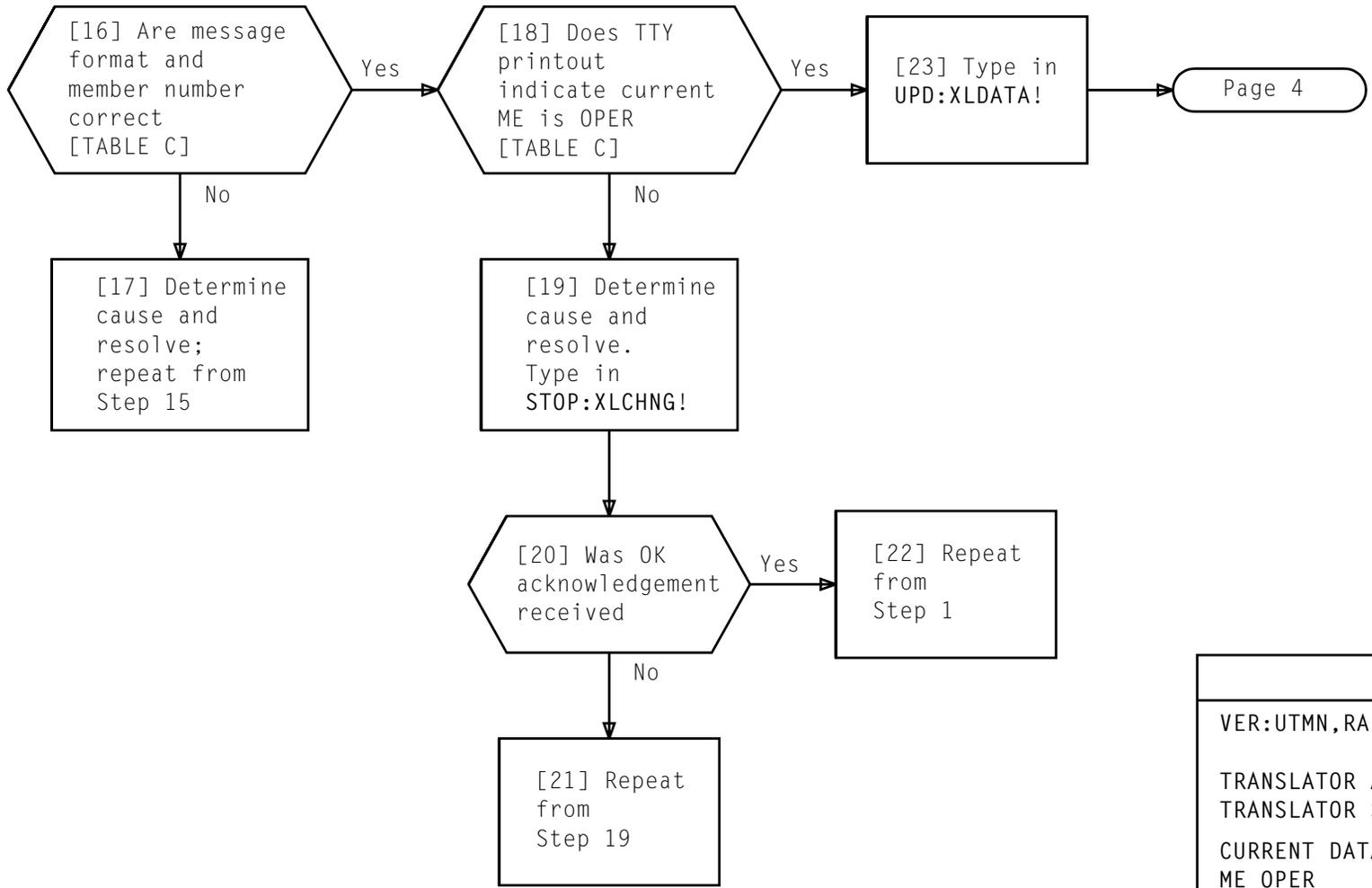


TABLE C	
VER:UTMN,RAI 0 COMPLETED	
TRANSLATOR ADR =	
TRANSLATOR SIZE =	
CURRENT DATA	
ME OPER	

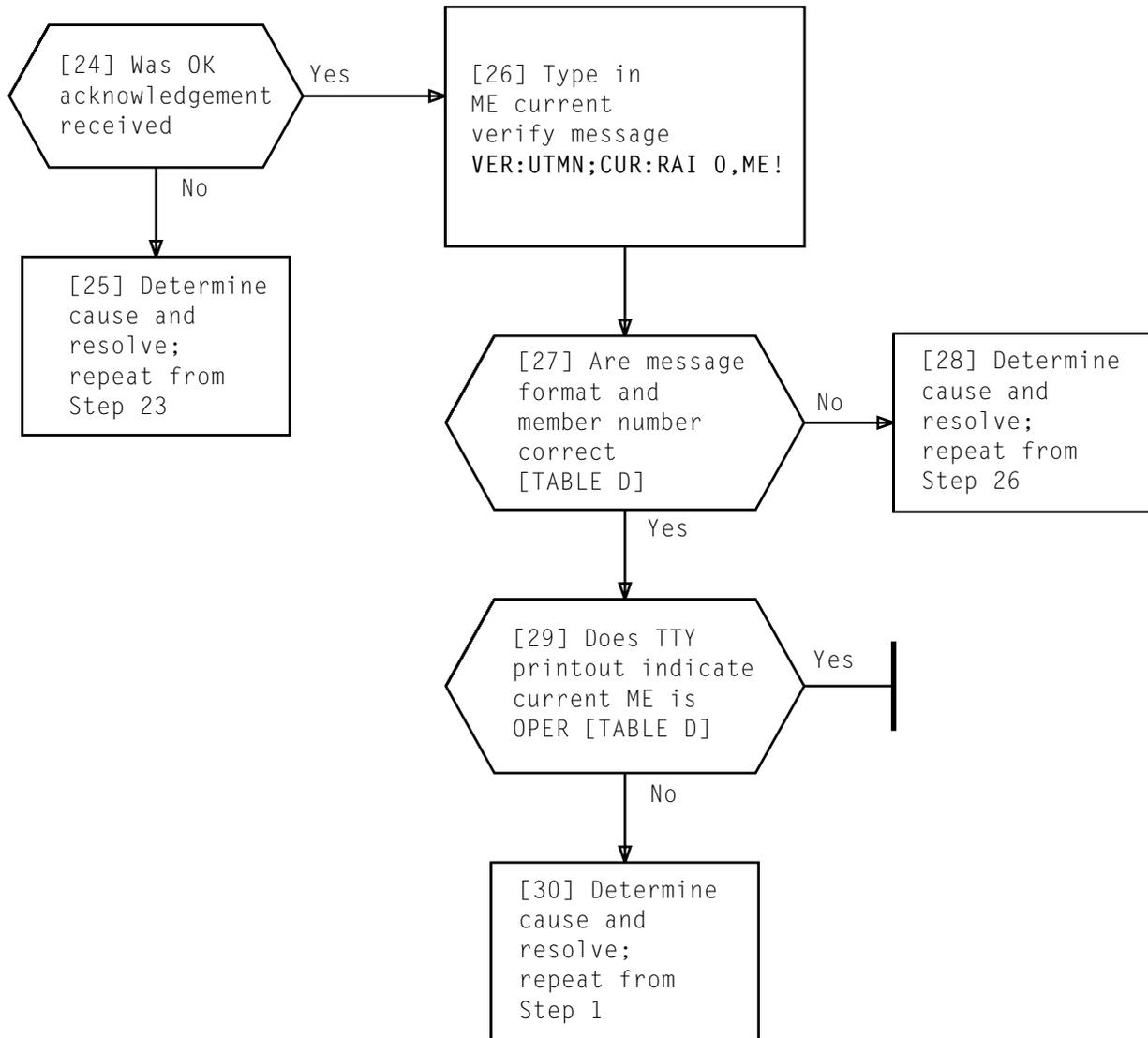


TABLE D
VER:UTMN,RAI 0 COMPLETED
TRANSLATOR ADR =
TRANSLATOR SIZE =
CURRENT DATA
ME OPER

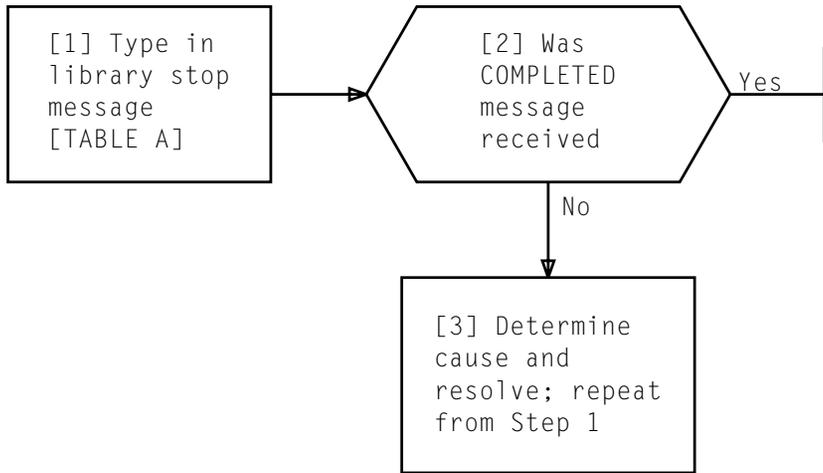
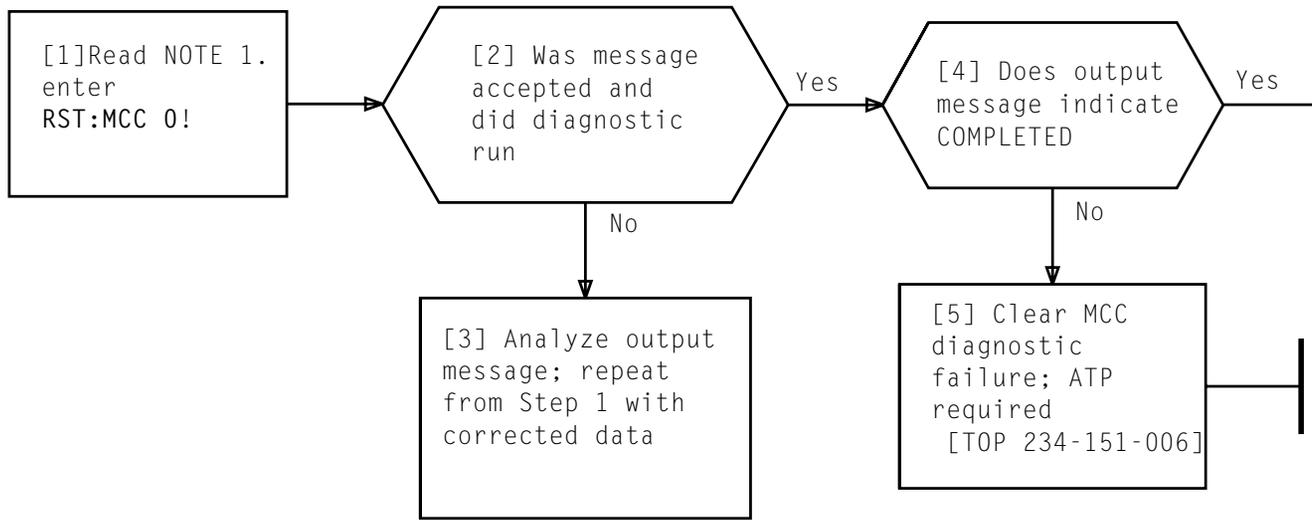
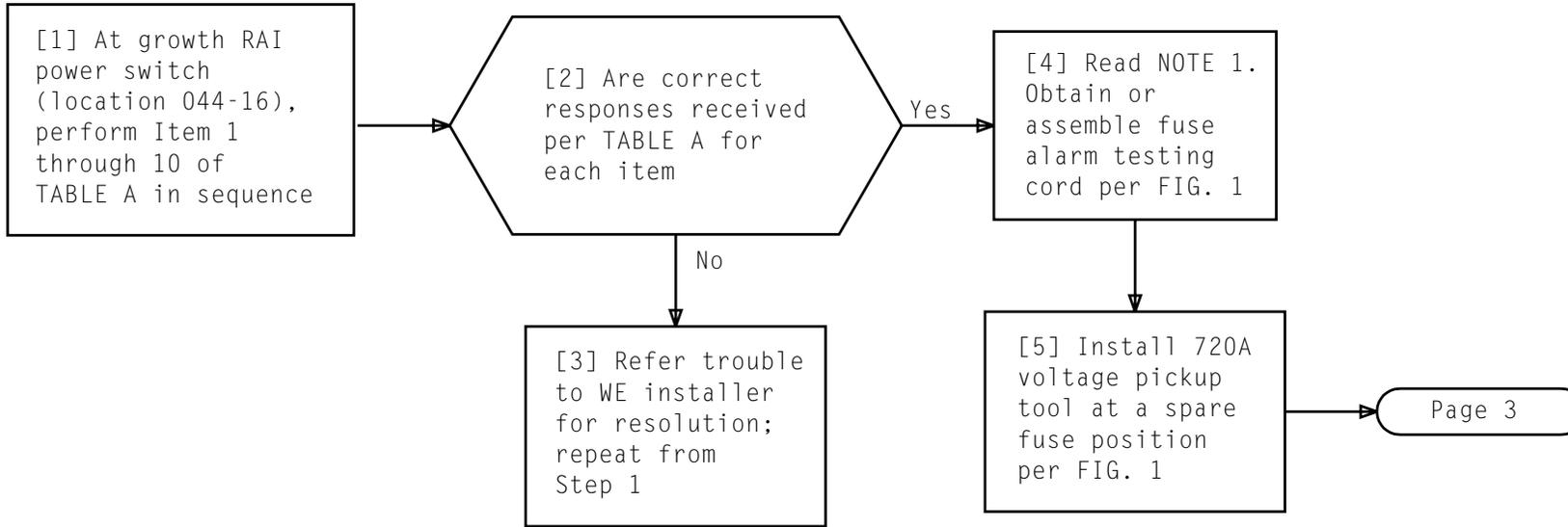


TABLE A	
STOP:LIBSYS:PKG a,PGM XAPP,TASK 0/, CLIENTb!	
a = Package name of tape containing library program being used	
b = CLIENT number recorded earlier	



NOTE 1	
The restore message will cause a MCC diagnostic to be run. The MCC will be restored if ATP	
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NOTE 1	
ITE-5590-A 70 type fuse alarm verification test set may be borrowed from WE installer and used in lieu of the 720A voltage pickup tool	
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TABLE A – TEST PROCEDURES

ITEM	ACTION	REQUIRED RESPONSES				
		POWER SWITCH LAMPS				TTY MESSAGES/RESPONSE
		OFF NORM	ACK	OS	PWR OFF	
1	Observe initial conditions	OFF	OFF	OFF	OFF	None
2	Depress and hold TEST pushbutton	ON	ON	ON	ON	None
3	Release TEST pushbutton	OFF	OFF	OFF	OFF	None
4	Rotate OFF pushbutton clockwise to ROS position	ON	OFF	ON	OFF	None
5	Depress and hold TEST pushbutton	ON	ON	ON	ON	None/LEDs on RAI converter ON
6	Release TEST pushbutton	ON	OFF	ON	OFF	None/LEDs on RAI converter ON
7	Depress ON pushbutton then release	ON	OFF	ON	OFF	None/LEDs on RAI converter OFF
8	Depress and release OFF pushbutton	ON	OFF	ON	ON	REPT:E2A POWER FAILURE SYSTEM DISPLAY/REMOTE STATUS/TLM PWR and SYSTEM DISPLAY/BINARY DISPLAY/12 lamps ON
9	Depress ON pushbutton then release	ON	OFF	ON	OFF	SYSTEM DISPLAY/REMOTE STATUS/TLM PWR and SYSTEM DISPLAY/BINARY DISPLAY/12 lamp OFF
10	Rotate OFF pushbutton counterclockwise to normal position	OFF	OFF	OFF	OFF	SYSTEM DISPLAY/BINARY DISPLAY/12 and SYSTEM DISPLAY/REMOTE STATUS/TLM PWR lamps OFF

PERFORM RAI POWER SWITCH TEST

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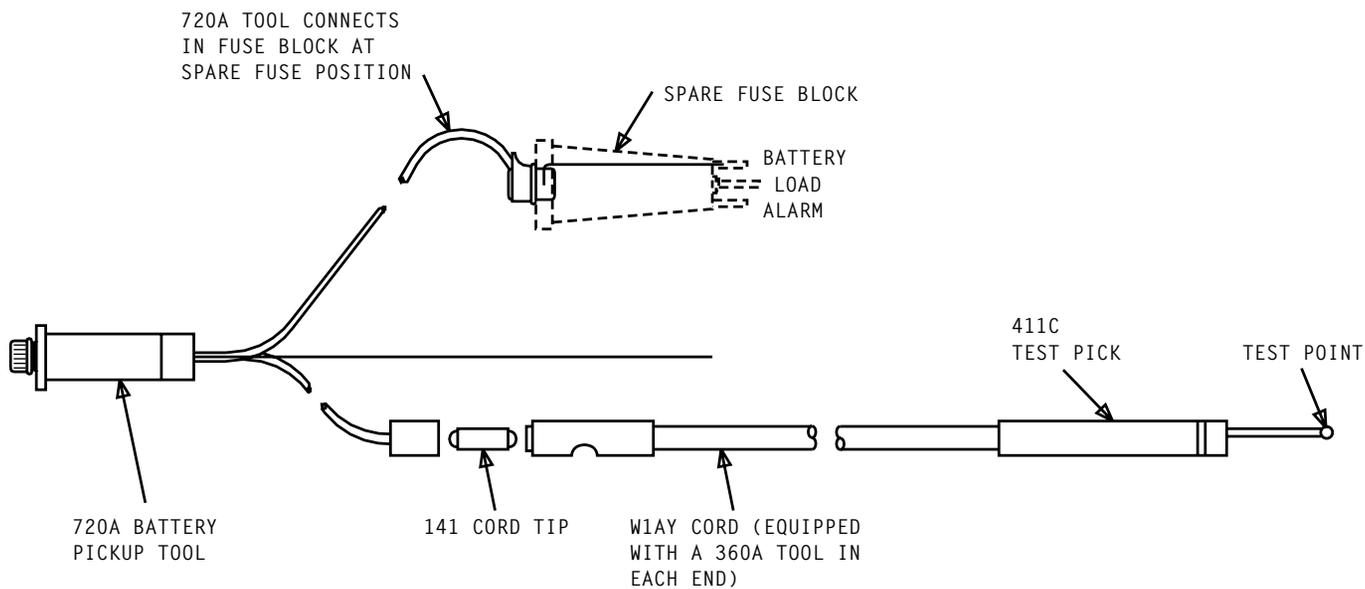
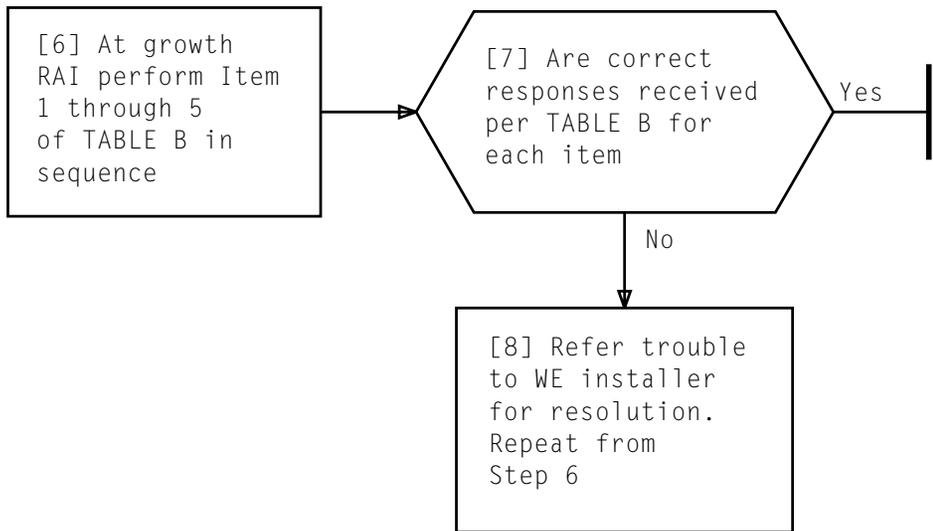


FIG. 1 - Fuse Alarm Testing Cord-Tool Connection

PERFORM RAI POWER SWITCH TEST

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TABLE B – TEST PROCEDURES

ITEM	ACTION	REQUIRED RESPONSES				
		POWER SWITCH LAMPS				TTY MESSAGES/RESPONSE
		OFF NORM	ACK	OS	PWR OFF	
1	At fuse AO (location 043-21), using 411C test pick, touch the exposed alarm test point on the fuse cap	OFF	OFF	OFF	ON	REPT:E2A POWER FAILURE SYSTEM DISPLAY/REMOTE STATUS/TLM PWR and SYSTEM DISPLAY/BINARY DISPLAY/12 lamps ON Audible major alarm sounds Equipment aisle, Main aisle and Exit pilot lamps ON
2	At RAI power switch, rotate OFF pushbutton clockwise to ROS position	ON	OFF	ON	ON	None
3	Depress and release OFF pushbutton	ON	OFF	ON	ON	All pilot lamps and alarm OFF
4	Depress ON pushbutton then release	ON	OFF	ON	OFF	SYSTEM DISPLAY /REMOTE STATUS/TLM PWR and SYSTEM/BINARY DISPLAY/12 OFF
5	Rotate OFF pushbutton counterclockwise to normal position	OFF	OFF	OFF	OFF	Receive restore message

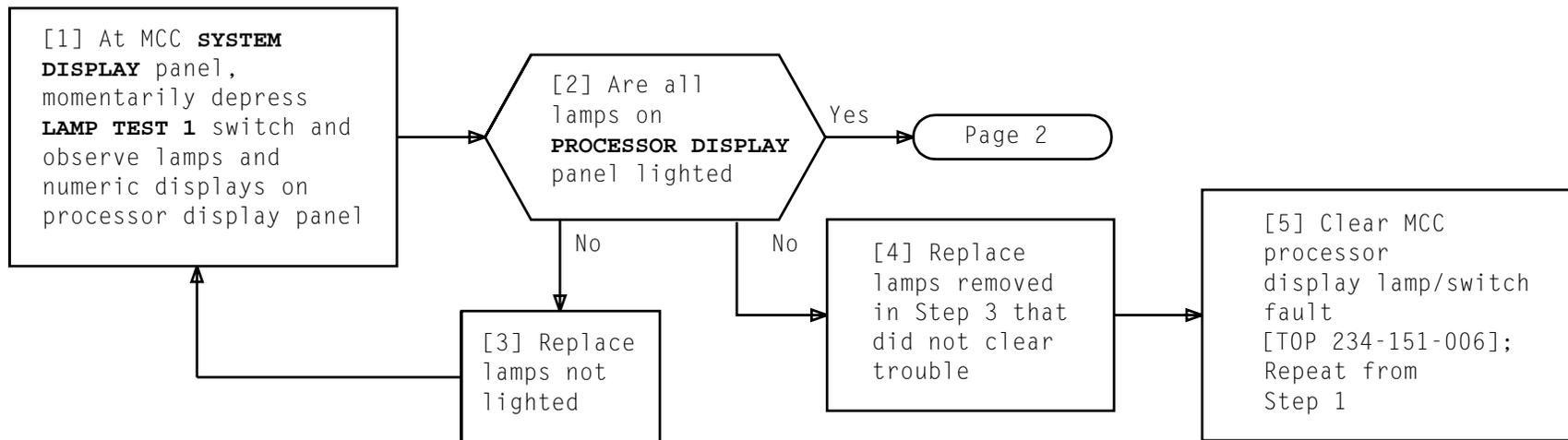
PERFORM RAI POWER SWITCH TEST

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SUMMARY

Depress each of the five **LAMP TEST** switches on MCC **SYSTEM DISPLAY** panel to light the lamps and numeric displays on MCC panels. After depressing **LAMP TEST** switch, check that the lamps and numeric displays light as indicated in

TABLE A. If lamp does not light, replace lamp. If lamp replacement does not clear the trouble or if numeric displays do not light as all 8s, refer to appropriate TAP in TOP 234-151-006



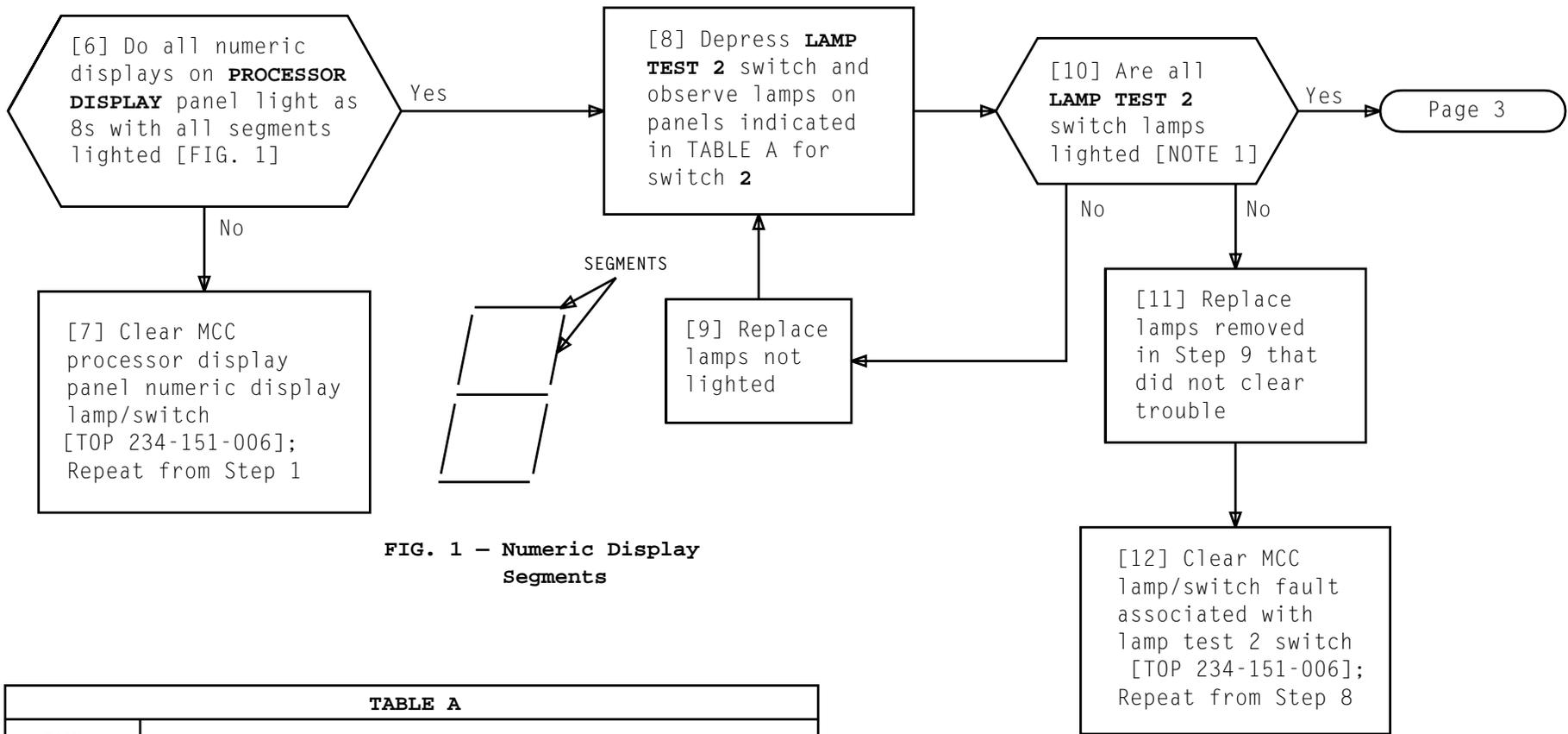


FIG. 1 - Numeric Display Segments

TABLE A	
LAMP TEST SWITCH	MCC PANELS LIGHTED
2	UPDATE, OVERRIDE CONTROL, SYSTEM REINITIALIZATION, PROCESSOR CONFIGURATION SEQUENCER, and MANUAL INTERRUPT PROGRAM REQUEST panels

NOTE 1
 RESET COUNTER and ACTIVATE PC switches on PROCESSOR CONFIGURATION SEQUENCER panel do not contain lamps. Also, the ACTIVATE PROGRAM REQUEST switch on MANUAL INTERRUPT PROGRAM REQUEST panel does not contain lamp

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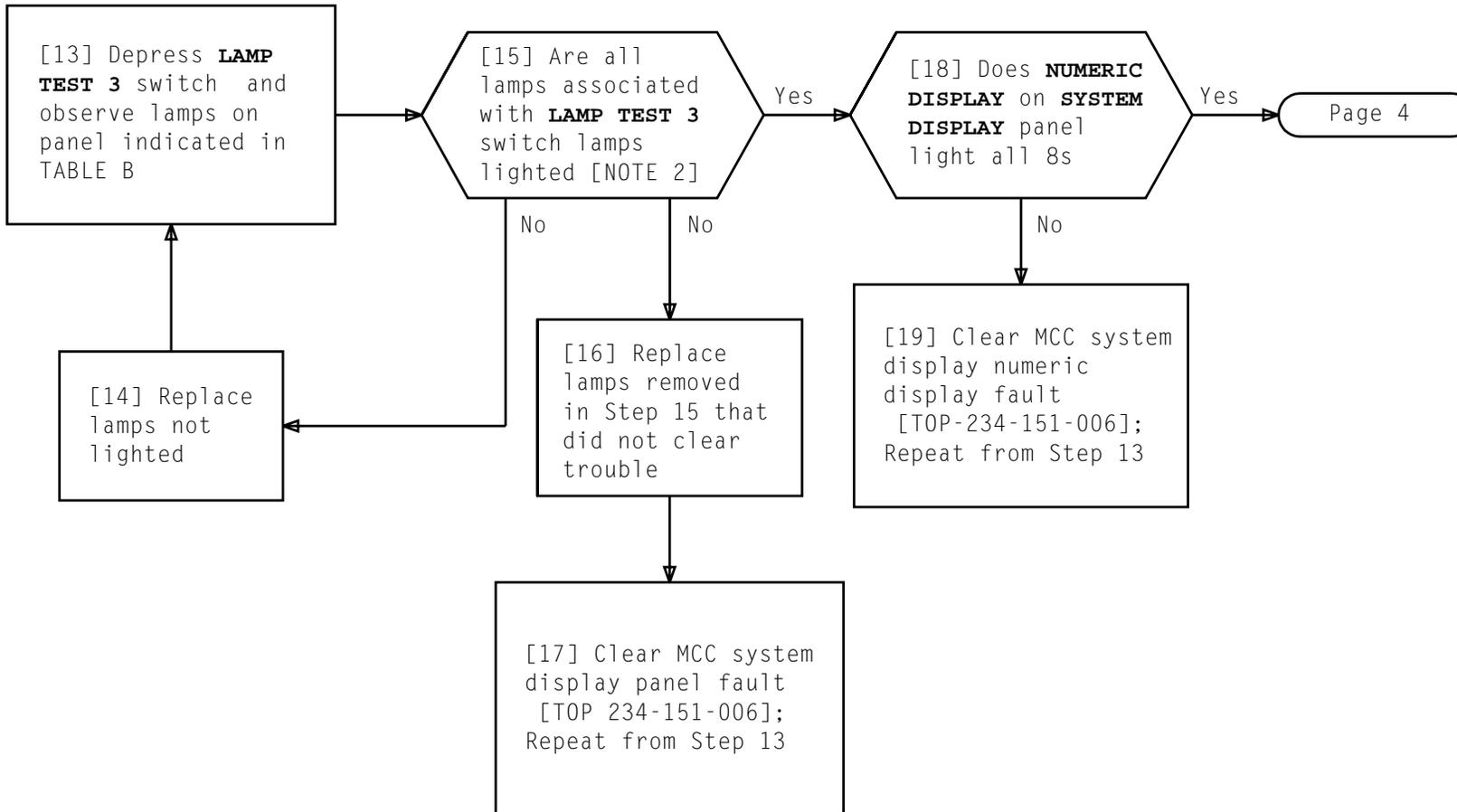


TABLE B	
LAMP TEST SWITCH	MCC PANEL LIGHTED
3	SYSTEM DISPLAY panel (except POWER STATUS-OS and PA lamps)

NOTE 2 LAMP TEST switches do not contain lamps	
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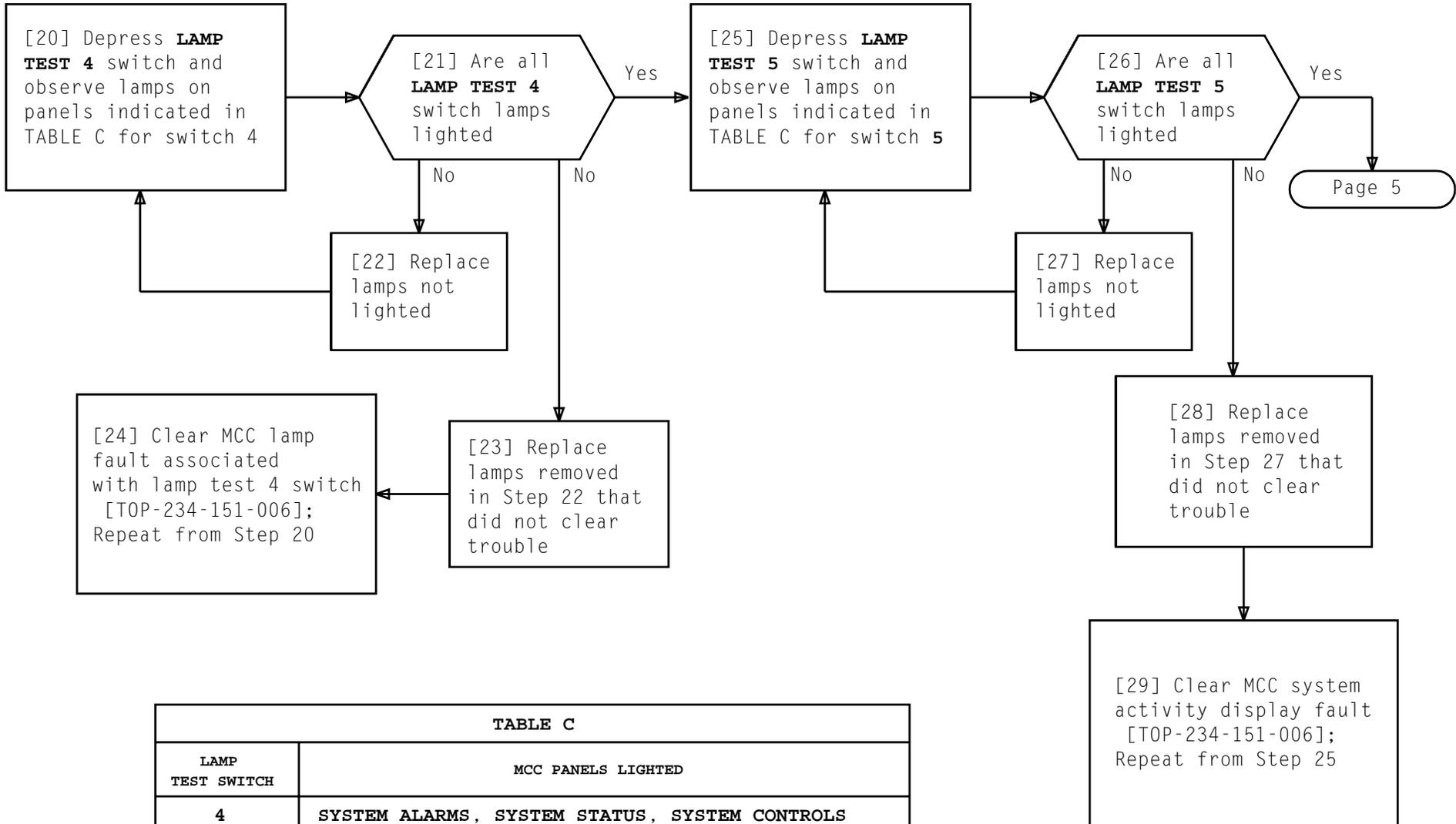
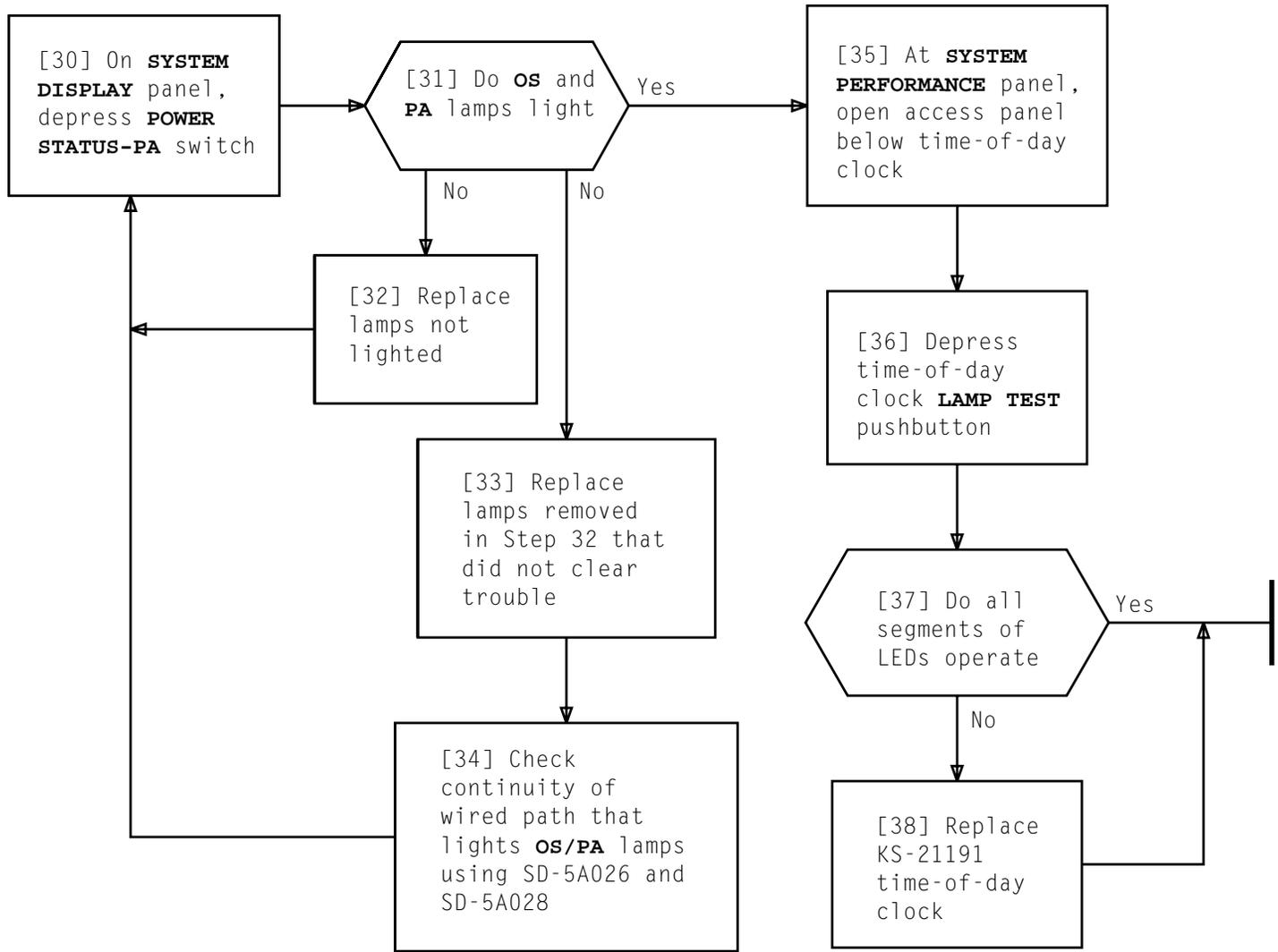


TABLE C	
LAMP TEST SWITCH	MCC PANELS LIGHTED
4	SYSTEM ALARMS, SYSTEM STATUS, SYSTEM CONTROLS EQUIPMENT STATUS, and TEST CALLS lamps on SYSTEM PERFORMANCE panel
5	SYSTEM ACTIVITY on SYSTEM PERFORMANCE panel



PERFORM MASTER CONTROL CONSOLE LAMP TESTS

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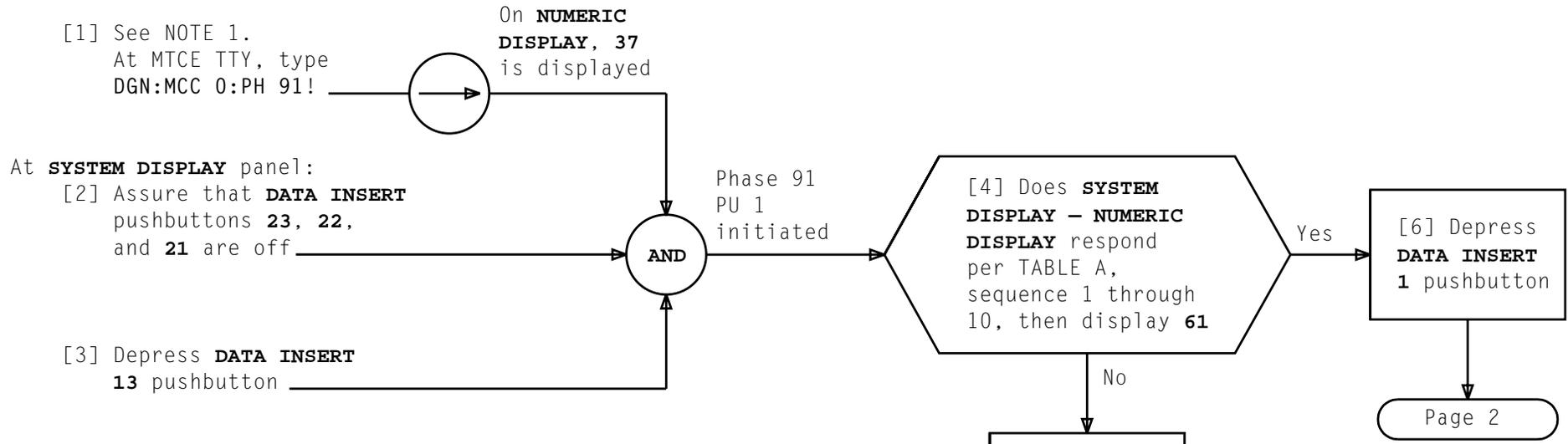


TABLE A		
SEQUENCE NUMBER	NUMERIC DISPLAY	DISPLAY TIME
1	111111	2 sec
2	222222	2 sec
3	333333	2 sec
4	444444	2 sec
5	555555	2 sec
6	666666	2 sec
7	777777	2 sec
8	888888	2 sec
9	999999	2 sec
10	000000	2 sec

NOTE 1
Failure to perform each required action within 20 seconds after **DIAGNOSIS IN PROGRESS** lamp starts flashing will result in program stepping to next test and failure recorded for test not performed

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[7] See TABLE B. As each test number appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress indicated **DATA INSERT** pushbutton (Test No. 63-157)

[8] See TABLE C. As each test number appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if indicated **NUMERIC** or **BINARY DISPLAY SELECTION** pushbutton is lighted then depress (Test No. 160-178)

[9] Depress **SCAN POINT READING** pushbutton

TABLE B			
NUMERIC DISPLAY TEST NUMBER	DATA INSERT PUSHBUTTON	NUMERIC DISPLAY TEST NUMBER	DATA INSERT PUSHBUTTON
63	0	97	8
65	0	99	9
67	1	101	9
69	1	103	10
71	2	105	10
73	2	107	11
75	3	109	11
77	3	111	12
79	4	113	12
81	4	115	13
83	5	117	13
85	5	119	14
87	6	121	14
89	6	123	15
91	7	125	15
93	7		

TABLE B (Contd)			
NUMERIC DISPLAY TEST NUMBER	DATA INSERT PUSHBUTTON	NUMERIC DISPLAY TEST NUMBER	DATA INSERT PUSHBUTTON
127	16	143	20
129	16	145	20
131	17	147	21
133	17	149	21
135	18	151	22
137	18	153	22
139	19	155	23
141	19	157	23

TABLE C	
NUMERIC DISPLAY TEST NUMBER	NUMERIC or BINARY DISPLAY SELECTION PUSHBUTTON
160	SR/UPDATE PROGRESS
163	CONTENTS OF MEMORY
166	MAC CLIENT
169	PHASE PROGRESS
172	CONTENTS OF MEMORY
175	SCAN POINT READING
178	OVERLOAD DATA

[10] See TABLE D. As each test number appears on **NUMERIC DISPLAY**, if listed **BINARY DISPLAY** lamp is lighted, depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton (Test No. 182-250)



[11] See TABLE E. As each test number or octal number appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress indicated **DISPLAY STATUS** pushbutton [NOTE 2] (Test No. 253-261)



TABLE D	
NUMERIC DISPLAY	BINARY DISPLAY
TEST NUMBER	LAMP
182	0
185	1
188	2
191	3
194	4
197	5
200	6
203	7
206	8
209	9
212	10
215	11
218	12
221	13
223	14
226	15
229	16
232	17
235	18
238	19
241	20
244	21
247	22
250	23

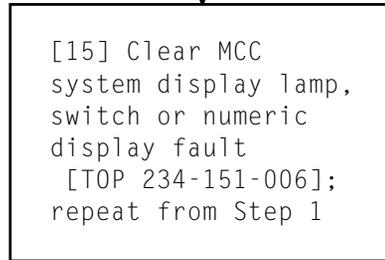
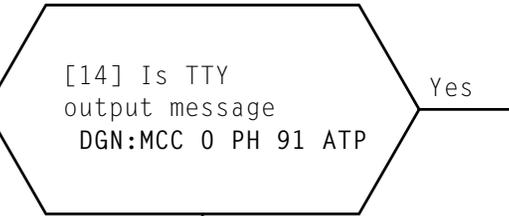
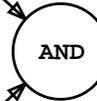
TABLE E	
NUMERIC DISPLAY TEST NUMBER	DISPLAY STATUS PUSHBUTTON
253	FAIL ADDR
Octal number	FAIL ADDR
257	UTIL FLAG
Octal number	UTIL FLAG
261	HOLD
261	HOLD

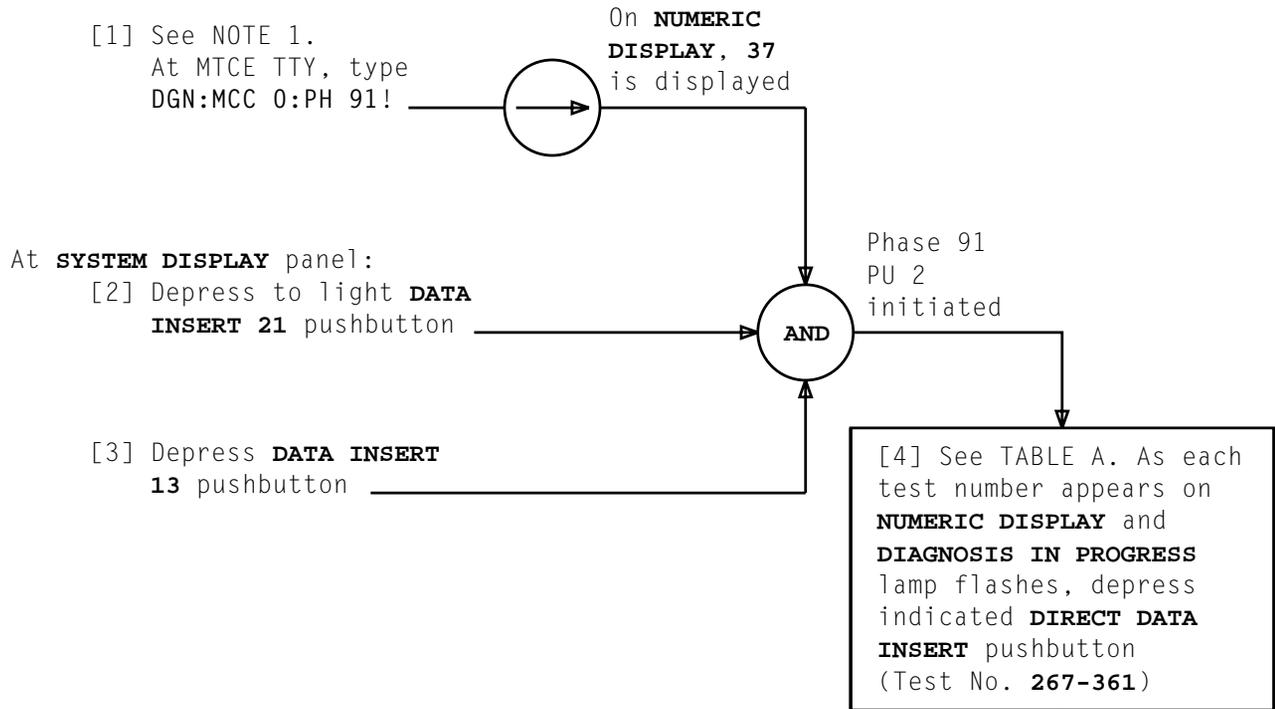
NOTE 2
Octal numbers in this test indicate arbitrary failing addresses

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[12] When **NUMERIC DISPLAY** indicates **265**, depress to light **DATA INSERT 21, 22** and **23** pushbuttons

[13] Depress to light **DATA INSERT 13** pushbutton





NOTE 1
Failure to perform required action within 20 seconds after **DIAGNOSIS IN PROGRESS** lamp starts flashing will result in program stepping to next test and failure recorded for test not performed

TABLE A			
NUMERIC DISPLAY TEST NUMBER	DIRECT DATA INSERT PUSHBUTTON	NUMERIC DISPLAY TEST NUMBER	DIRECT DATA INSERT PUSHBUTTON
267	0	315	12
269	0	317	12
271	1	319	13
273	1	321	13
275	2	323	14
277	2	325	14
279	3	327	15
281	3	329	15
283	4	331	16
285	4	333	16
287	5	335	17
289	5	337	17
291	6	339	18
293	6	341	18
295	7	343	19
297	7	345	19
299	8	347	20
301	8	349	20
303	9	351	21
305	9	353	21
307	10	355	22
309	10	357	22
311	11	359	23
313	11	361	23

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RUN PHASE 91 PROGRAM UNIT 2 MANUAL INTERRUPT PROGRAM REQUEST TESTS

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[5] See TABLE B. As each test number appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress indicated **MANUAL INTERRUPT PROGRAM REQUEST** pushbutton (Test No. 379-425)

[6] See TABLE C. As each test number appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if listed **MANUAL INTERRUPT PROGRAM REQUEST** lamp is lighted, depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton (Test No. 428-456)

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TABLE B	
NUMERIC DISPLAY TEST NUMBER	MANUAL INTERRUPT PROGRAM REQUEST PUSHBUTTON
379	CLEAR UTILITY FUNCTION
381	CLEAR UTILITY FUNCTION
383	INHIBIT INTERRUPT
385	INHIBIT INTERRUPT
387	RESTORE MTCE I/O
389	RESTORE MTCE I/O
391	MODIFY RECOVERY ACTIONS
393	MODIFY RECOVERY ACTIONS
395	FULL CFG/EMER MODE
397	FULL CFG/EMER MODE
399	MIN CFG/EMER MODE
401	MIN CFG/EMER MODE
403	PHASE - 6 - REQUEST
405	PHASE - 6 - REQUEST
407	PHASE - 5 - REQUEST
409	PHASE - 5 - REQUEST
411	PHASE - 4 - REQUEST
413	PHASE - 4 - REQUEST
415	PHASE - 3 - REQUEST
417	PHASE - 3 - REQUEST
419	PHASE - 2 - REQUEST
421	PHASE - 2 - REQUEST
423	PHASE - 1 - REQUEST
425	PHASE - 1 - REQUEST

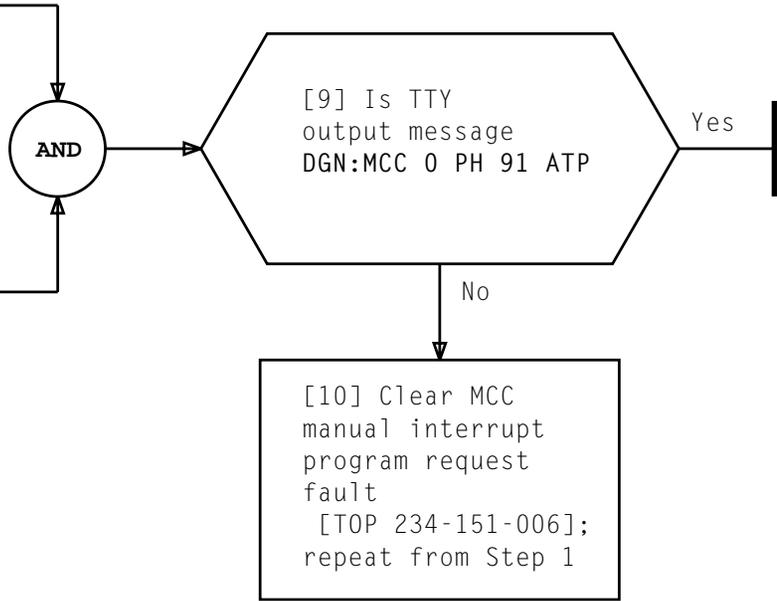
TABLE C	
NUMERIC DISPLAY TEST NUMBER	MANUAL INTERRUPT PROGRAM REQUEST LAMP
428	FULL CFG
432	MIN CFG
436	PHASE - 6 - IN PROG
440	PHASE - 5 - IN PROG
444	PHASE - 4 - IN PROG
448	PHASE - 3 - IN PROG
452	PHASE - 2 - IN PROG
456	PHASE - 1 - IN PROG

RUN PHASE 91 PROGRAM UNIT 2 MANUAL INTERRUPT PROGRAM REQUEST TESTS

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[7] When **NUMERIC DISPLAY** indicates **459**, depress to light **DATA INSERT 21, 22, and 23** pushbuttons

[8] Depress to light **DATA INSERT 13** pushbutton



RUN PHASE 91 PROGRAM UNIT 2 MANUAL INTERRUPT PROGRAM REQUEST TESTS

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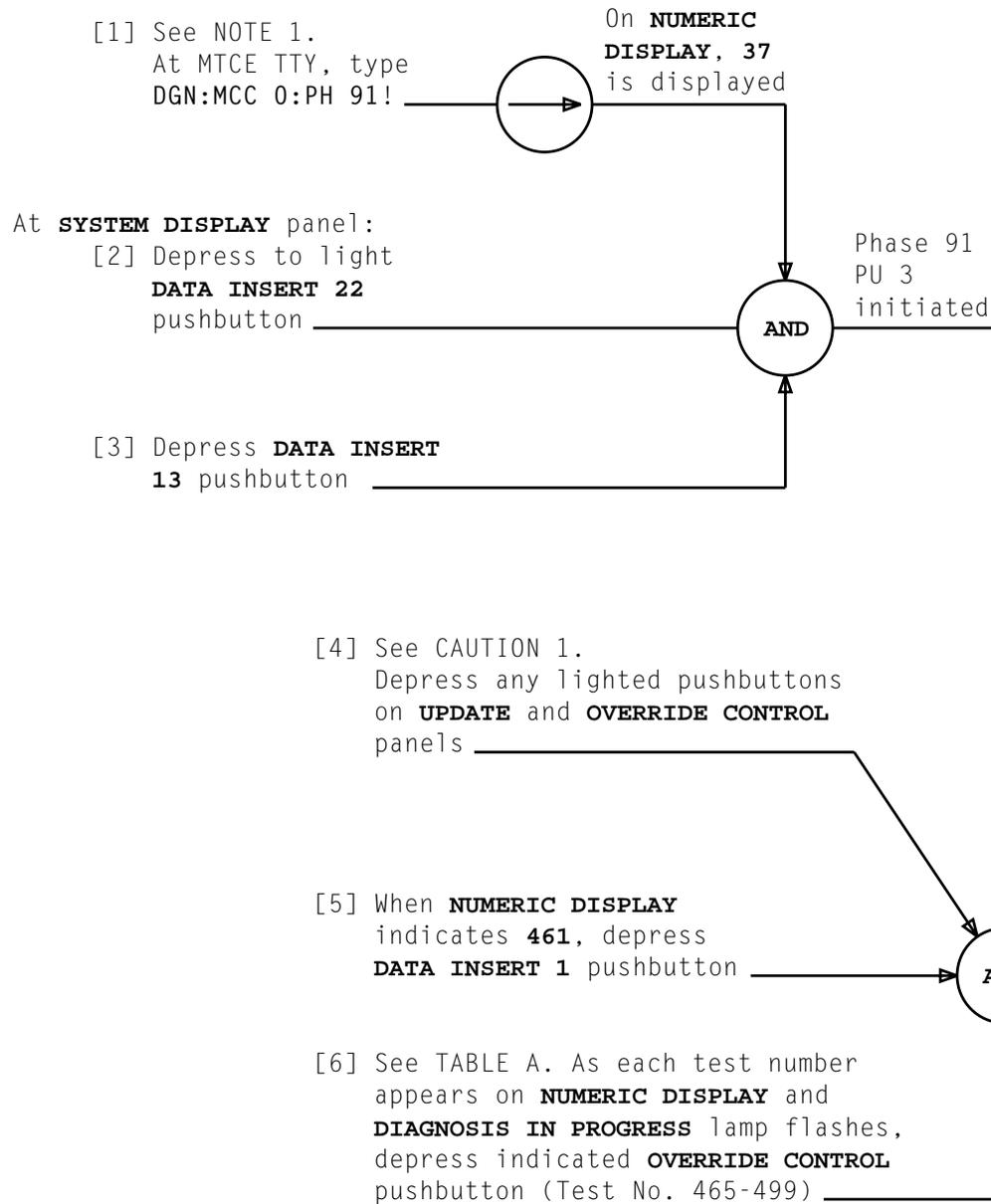


TABLE A	
NUMERIC DISPLAY TEST NUMBER	OVERRIDE CONTROL PUSHBUTTON
465	VARIABLE PS 1
467	VARIABLE PS 1
469	VARIABLE PS 0
471	VARIABLE PS 0
473	AU BUS 1
475	AU BUS 1
477	PS BUS 1
479	PS BUS 1
481	CC1
483	CC1
485	BLOCK 0 PS 0
487	BLOCK 0 PS 0
489	AU BUS 0
491	AU BUS 0
493	PS BUS 0
495	PS BUS 0
497	CCO
499	CCO

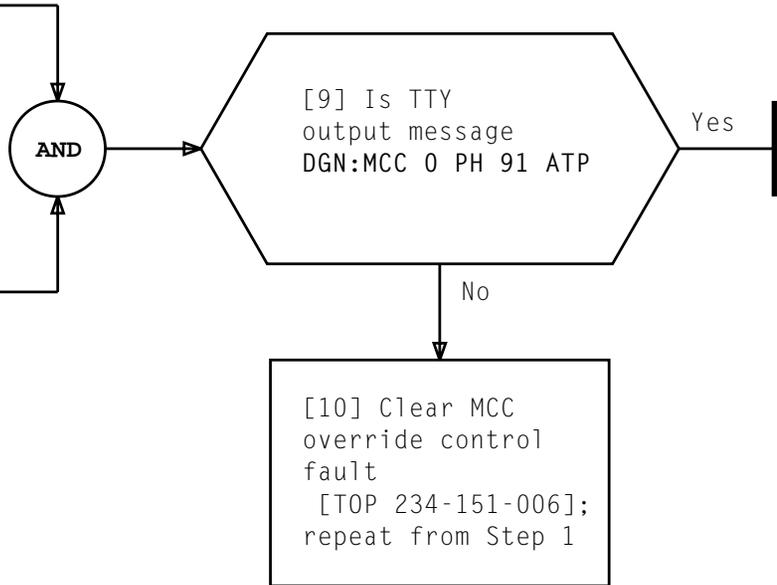
NOTE 1
Failure to perform required action within 20 seconds after **DIAGNOSIS IN PROGRESS** lamp starts flashing will result in program stepping to next test and failure recorded for test not performed

CAUTION 1
ACTIVATE - OVERRIDE IN EFFECT pushbutton should not be depressed during this test

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[7] When **NUMERIC DISPLAY** indicates **501**, depress to light **DATA INSERT 21, 22, and 23** pushbutton

[8] Depress to light **DATA INSERT 13** pushbutton



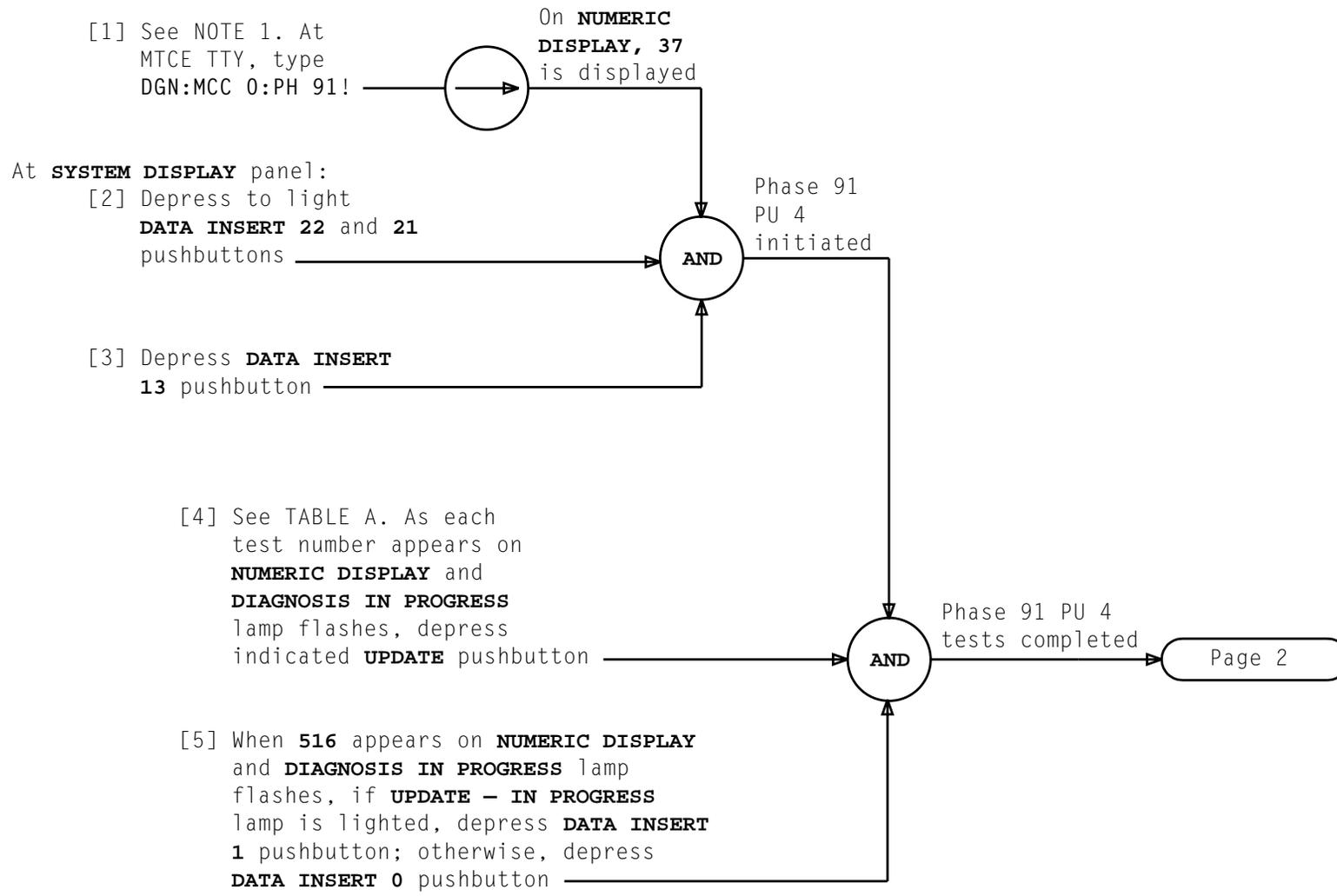


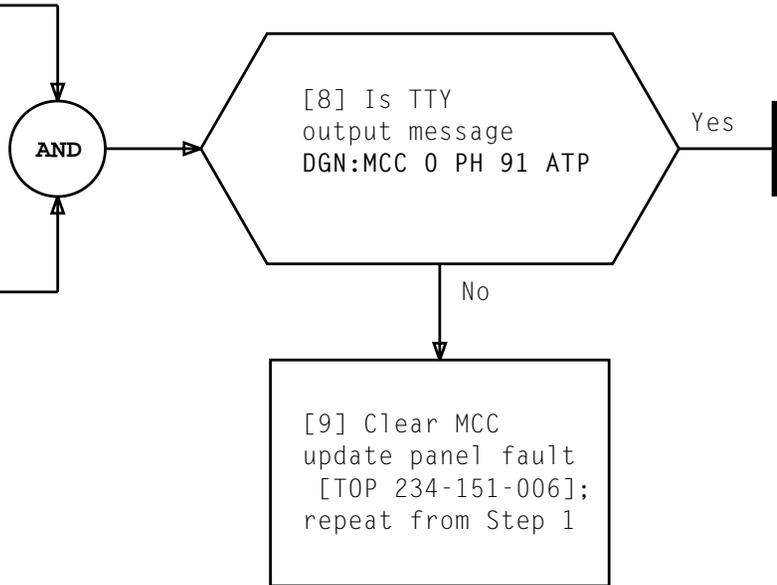
TABLE A	
NUMERIC DISPLAY TEST NUMBER	UPDATE PANEL KEY
503	FS 1 & 3
506	FS 1 & 3
509	FS 0 & 2
512	FS 0 & 2

NOTE 1
 Failure to perform required action within 20 seconds after **DIAGNOSIS IN PROGRESS** lamp starts flashing will result in program stepping to next test and failure recorded for test not performed

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[6] When **NUMERIC DISPLAY** indicates **519**, depress to light **DATA INSERT 21, 22, and 23** pushbuttons

[7] Depress to light **DATA INSERT 13** pushbutton



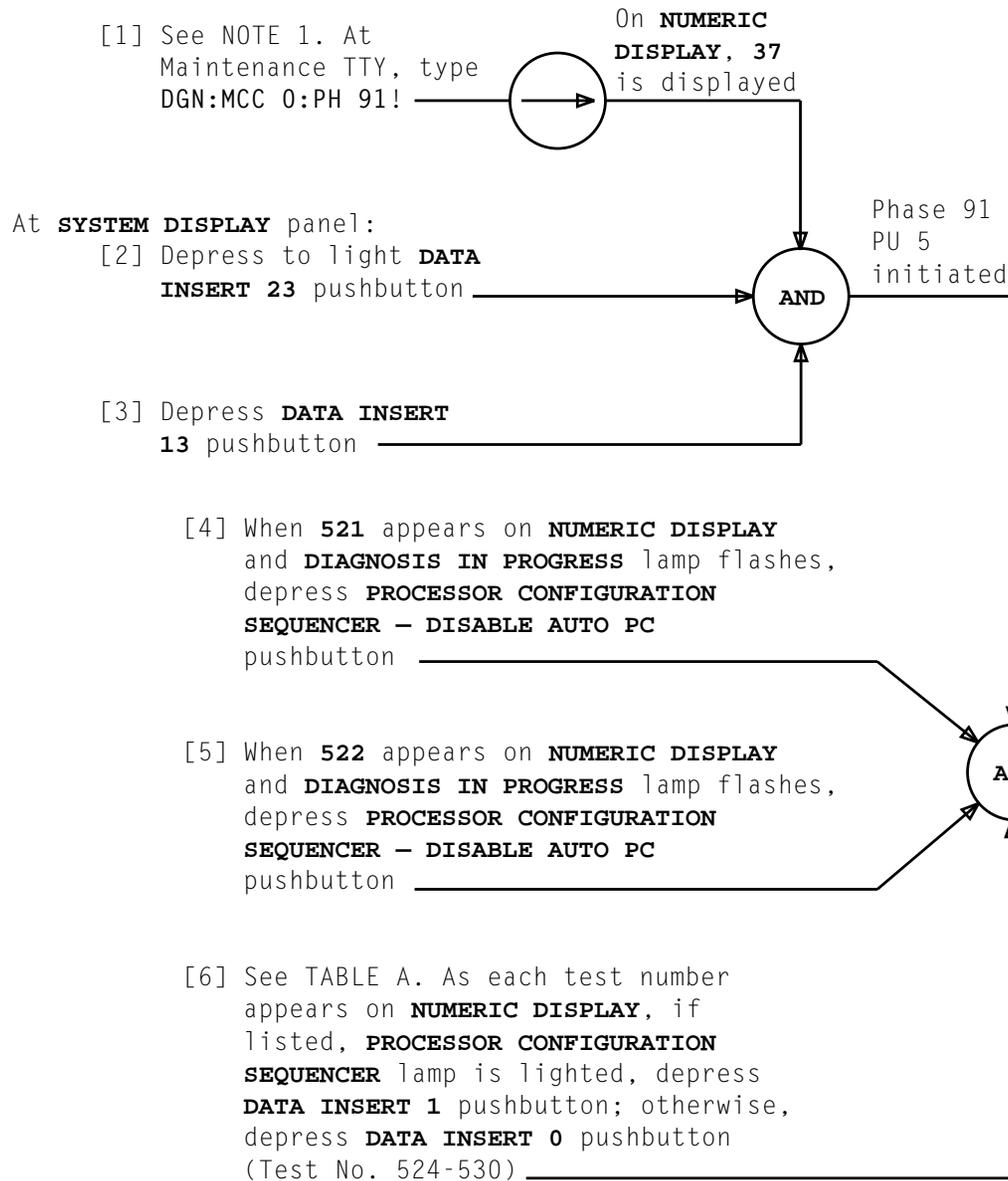


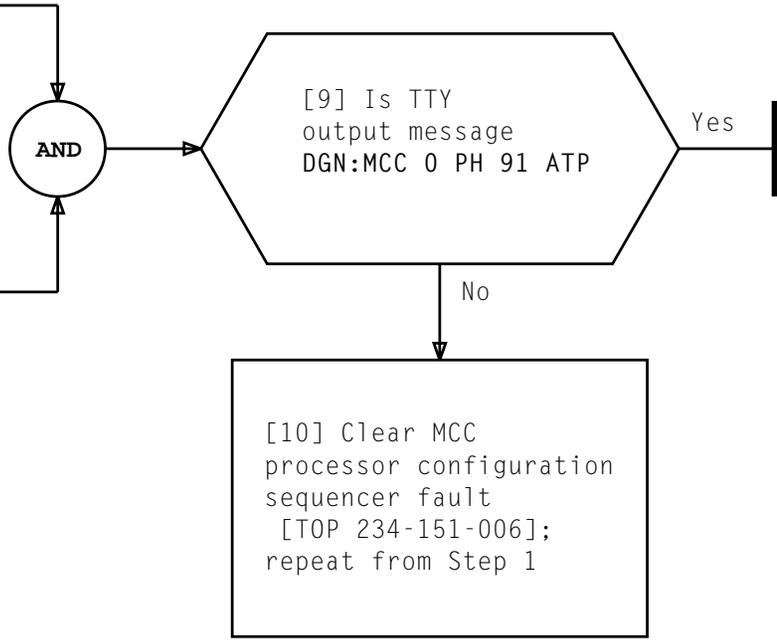
TABLE A	
NUMERIC DISPLAY TEST NUMBER	PROCESSOR CONFIGURATION SEQUENCER PANEL LAMP
524 *	BASIC PROCESSOR
526 *	CALL STORE
528 *	PROGRAM STORE
530	PROCESSOR CONFIG COMPLETE
* The lamp will light for approximately 10 seconds, go out, then the test number will be displayed	

NOTE 1	
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed	
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RUN PHASE 91 PROGRAM UNIT 5 PROCESSOR CONFIGURATION SEQUENCER TESTS

[7] When **NUMERIC DISPLAY** indicates **532**, depress to light **DATA INSERT 21, 22, and 23** pushbuttons

[8] Depress to light **DATA INSERT 13** pushbutton



**RUN PHASE 91 PROGRAM UNIT 5 PROCESSOR
CONFIGURATION SEQUENCER TESTS**

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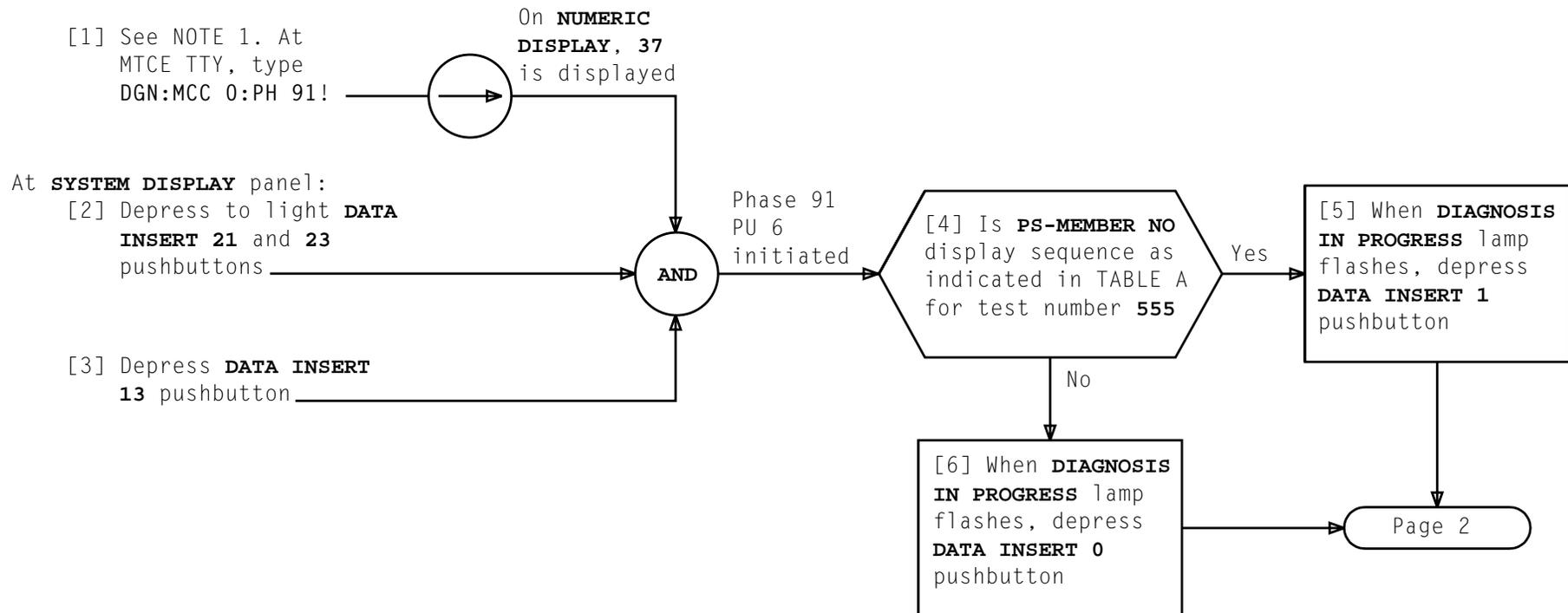
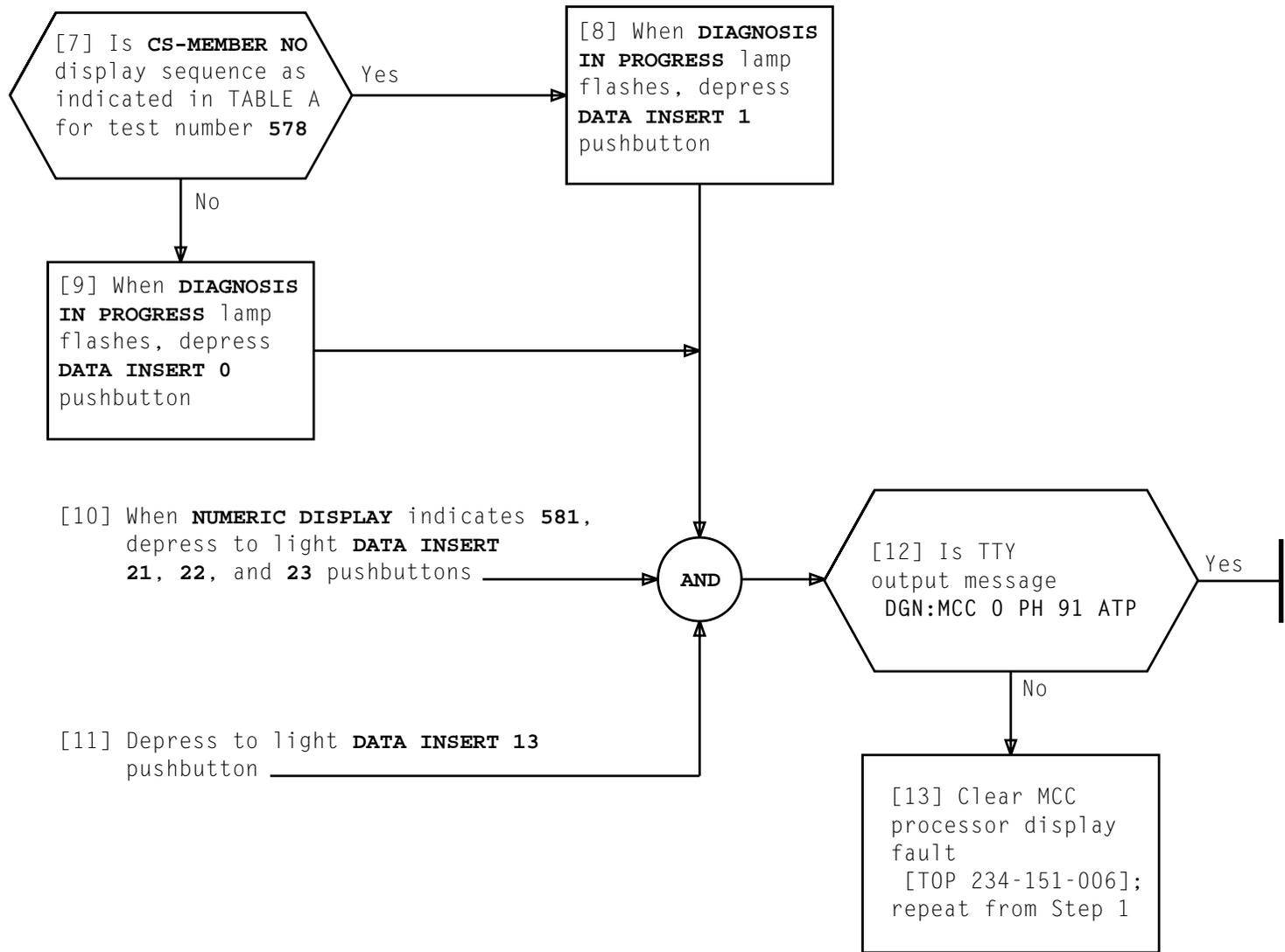


TABLE A	
NUMERIC DISPLAY TEST NUMBER	PROCESSOR DISPLAY — PS/CS MEMBER NO DISPLAY SEQUENCE
555*	00, 11, 22, 33, 44, 55, 66, 77, 78 and 79
578*	00, 11, 22, 33, 44, 55, 66, 77, 78 and 79
* Test numbers are displayed following member no. display sequence	

NOTE 1	
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed	
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[1] See NOTE 1. At TTY, type
DGN:MCC 0:PH 92!

At **SYSTEM DISPLAY** panel:

[2] Depress **DATA INSERT 23, 22,**
and **21** pushbuttons to **OFF**

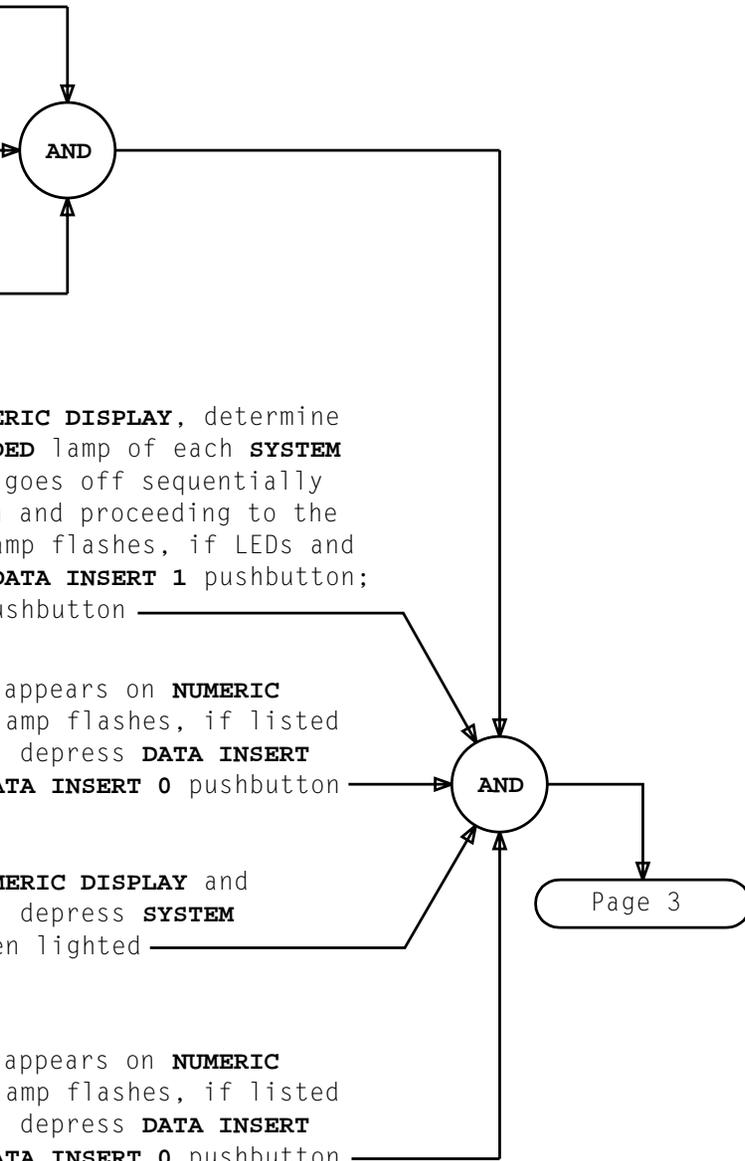
[3] Depress **DATA INSERT 13** pushbutton

[4] When test number 66 appears on **NUMERIC DISPLAY**, determine if all 10 LEDs and **THRESHOLD EXCEEDED** lamp of each **SYSTEM ACTIVITY** display column lights and goes off sequentially beginning with the rightmost column and proceeding to the left. When **DIAGNOSIS IN PROGRESS** lamp flashes, if LEDs and lamp light as stipulated, depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton

[5] See TABLE A. When each test number appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if listed **SYSTEM PERFORMANCE** lamp is lighted, depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton

[6] When test number 102 appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress **SYSTEM PERFORMANCE - TEST CALLS - FAIL** when lighted

[7] See TABLE B. When each test number appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if listed **SYSTEM PERFORMANCE** lamp is lighted, depress **DATA INSERT 1**; otherwise, depress **DATA INSERT 0** pushbutton



NOTE 1		
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed		
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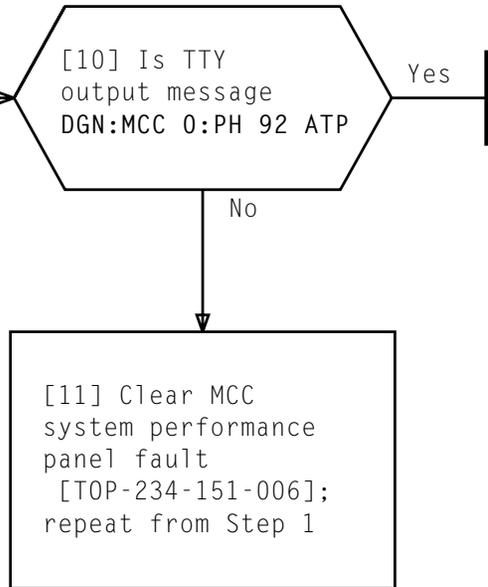
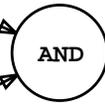
TABLE A	
NUMERIC DISPLAY TEST NUMBER	SYSTEM PERFORMANCE LAMP
69	BASE CYCLE TIME
73	TRAFFIC INCOMING
77	CALL REGISTER OCCUPANCY
81	CALLS QUEUED FOR OCCUPANCY
85	TEST CALL SEIZURE TIME
89	DISK REQUEST QUEUED
93	SWITCHING INEFF ATTEMPTS
97	EQUIP INEFF ATTEMPTS
101	NETWORK OCCUPANCY

TABLE B	
NUMERIC DISPLAY TEST NUMBER	SYSTEM PERFORMANCE LAMP
103	TEST CALLS - PASS
105	TEST CALLS - MONITOR INHIBITED

At **SYSTEM DISPLAY** panel:

[8] Depress **DATA INSERT 23, 22,**
and **21** pushbuttons to **ON**

[9] Depress **DATA INSERT**
13 pushbutton



[1] See NOTE 1. At TTY, type in
DGN:MCC 0:PH 92!

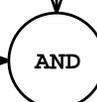
At **SYSTEM DISPLAY** panel:

[2] Depress **DATA INSERT**
pushbuttons **23** to off,
22 to off, **21** to on

[3] Depress **DATA INSERT 13**
pushbutton

[4] See TABLE A. When each test number
appears on **NUMERIC DISPLAY** and
DIAGNOSIS IN PROGRESS lamp flashes,
depress lighted **SYSTEM ALARMS**
pushbutton

[5] See TABLE B. When each test number
appears on **NUMERIC DISPLAY** and
DIAGNOSIS IN PROGRESS lamp flashes,
if listed **SYSTEM ALARMS** lamp is
lighted, depress **DATA INSERT 1**
pushbutton; otherwise, depress **DATA**
INSERT 0 pushbutton



Page 3

NOTE 1
Failure to perform
required action
within 20 seconds
after **DIAGNOSIS IN
PROGRESS** lamp starts
flashing will
result in program
stepping to next
test and failure
recorded for test
not performed

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TABLE A	
NUMERIC DISPLAY TEST NUMBER	SYSTEM ALARMS LAMP
115	RECENT CHANGE ROLLBACK
118	DIAGNOSIS FAILURE
121	MTCE INTERRUPT
124	STORE REGEN
127	MEMORY RECOVERY PHASE
130	PC CIRCUIT ACTIVATED
133	SYS PERF DISPLAY TIMEOUT
136	SERVICE DEGRADING FAILURE
141	MINOR
144	MAJOR (alarm will sound)
147	CRITICAL (alarm will sound)

TABLE B	
NUMERIC DISPLAY TEST NUMBER	SYSTEM ALARMS LAMP
150	CHANGE TAPE
153	CARRIER GROUP
156	EQUIPMENT POWER ALARM
159	POWER ROOM

At **SYSTEM DISPLAY** panel:

[6] Depress **DATA INSERT**
23, 22, and **21**
pushbuttons to on

[7] Depress **DATA INSERT**
13 pushbutton

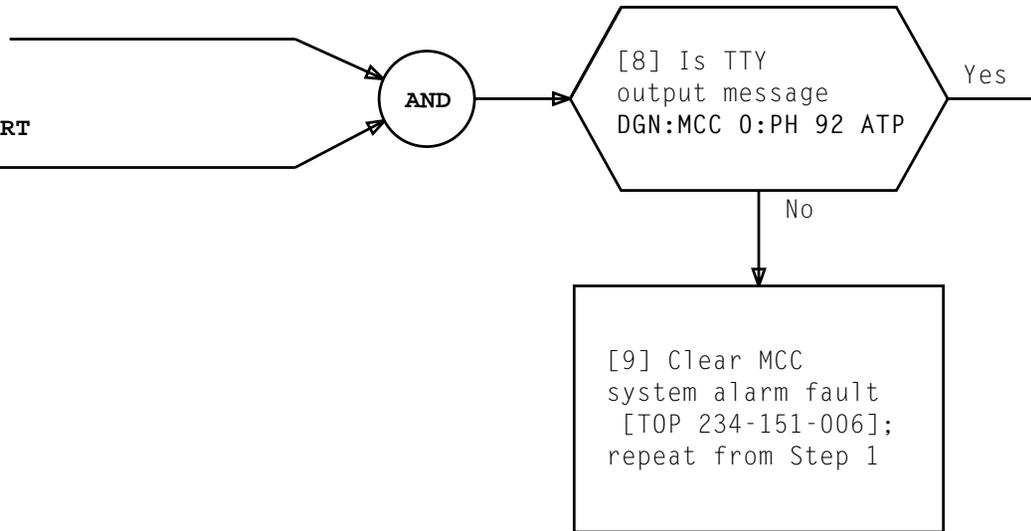
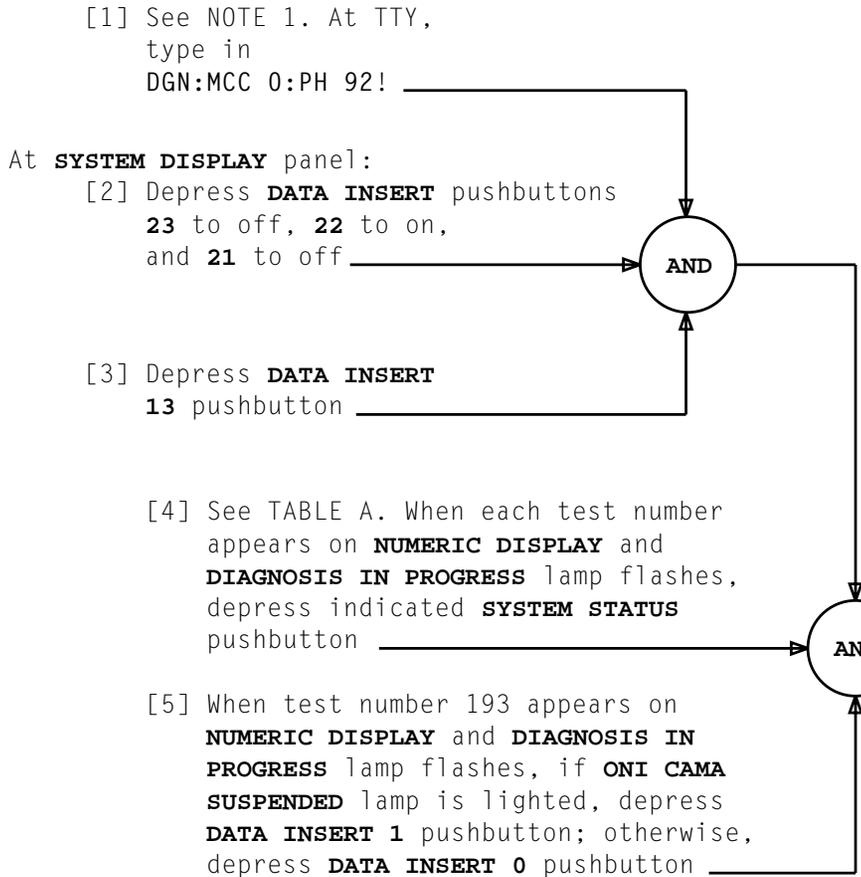


TABLE A	
NUMERIC DISPLAY TEST NUMBER	SYSTEM STATUS LAMP
168	If lighted, depress INTERRUPT INHIBITED
170	If off, depress INTERRUPT INHIBITED
173	If lighted, depress TTY MESSAGE INHIBITED
175	If off, depress TTY MESSAGE INHIBITED
178	If lighted, depress OVERLOAD CONTROLS IN EFFECT
180	If off, depress OVERLOAD CONTROLS IN EFFECT
183	If lighted, depress SPECIAL CAMA RECORD
185	If off, depress SPECIAL CAMA RECORD
188	If lighted, depress PROGRAM CONTROL OFF NORM
190	If off, depress PROGRAM CONTROL OFF NORM



NOTE 1	
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed	
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[6] See TABLE B. When each test number appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress indicated **SYSTEM STATUS** pushbutton

[7] When test number 208 appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if top half of **MC3 ACT/MC3 DISAB** is lighted, depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton

[8] When test number 213 appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if **RESTRICT RECENT CHANGE** is lighted, then depress

[9] When test number 215 appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if **RESTRICT RECENT CHANGE** is off, then depress

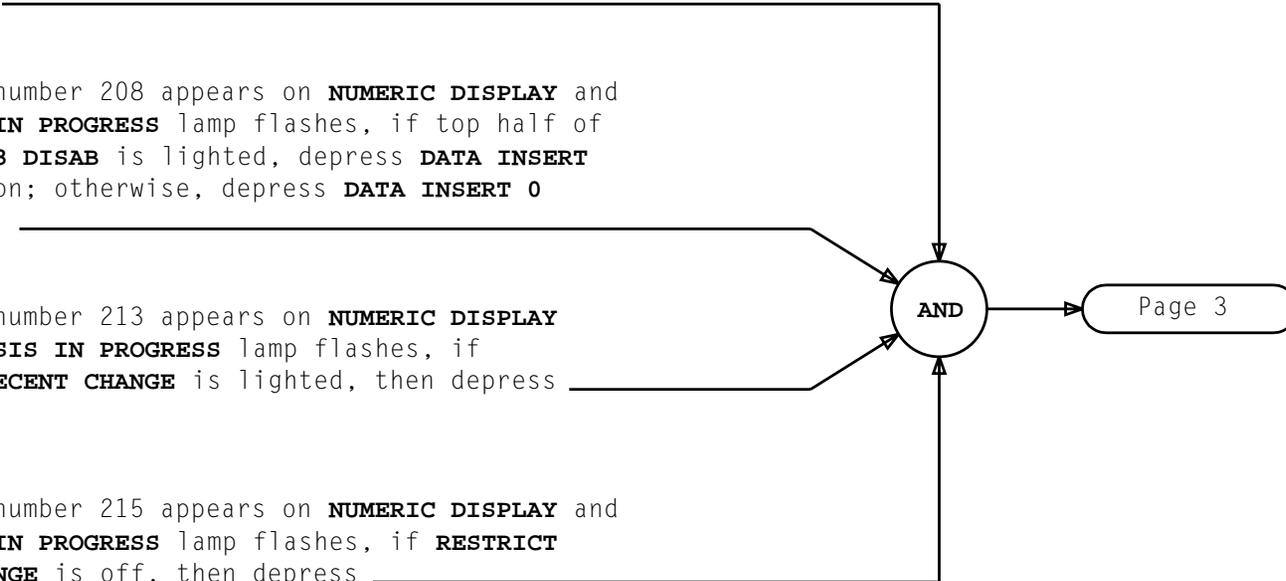


TABLE B	
NUMERIC DISPLAY TEST NUMBER	SYSTEM STATUS LAMP
198	If lighted, depress MANUAL
200	If off, depress MANUAL
203	If lighted, depress AUTO
205	If off, depress AUTO

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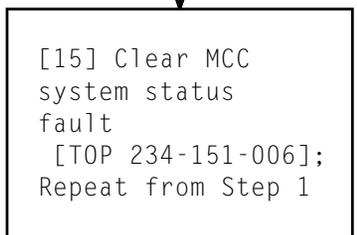
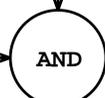
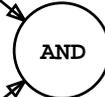
[10] When test number 217 appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if **RB AREA CAPACITY WARNING** is lighted, depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton

[11] When test number 218 appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if **ACTIVITY** is lighted, depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton

At **SYSTEM DISPLAY** panel:

[12] Depress **DATA INSERT 23, 22, and 21** pushbuttons to on

[13] Depress **DATA INSERT 13** pushbutton



[1] See NOTE 1. At TTY,
type in
DGN:MCC 0:PH 92!

At **SYSTEM DISPLAY** panel:

[2] Depress **DATA INSERT** pushbuttons
23 to off, **22** to on,
and **21** to on

[3] Depress **DATA INSERT**
13 pushbutton

[4] See TABLE A. When each test number
appears on **NUMERIC DISPLAY** and
DIAGNOSIS IN PROGRESS lamp flashes,
if indicated **SYSTEM CONTROLS** lamp
is lighted, then depress _____

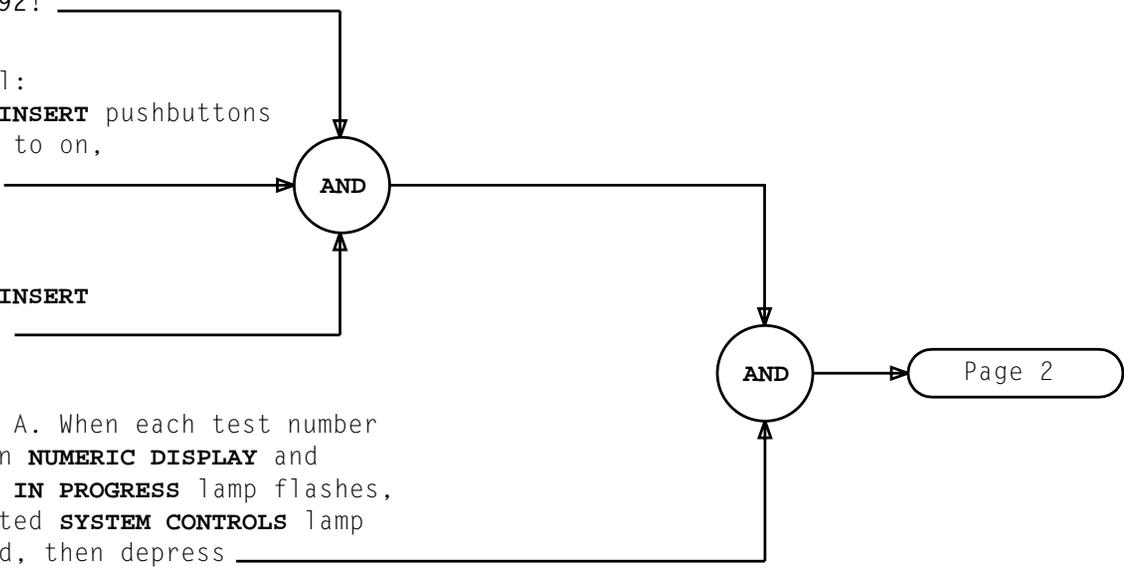


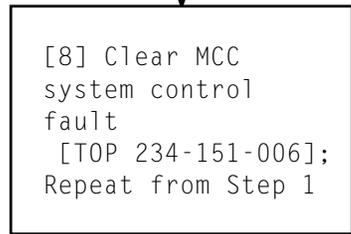
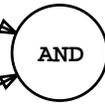
TABLE A	
NUMERIC DISPLAY TEST NUMBER	SYSTEM CONTROLS LAMP
226	ELEVATE AUDIT PRINTOUT
229	INHIBIT AUDIT PRINTOUT
232	INHIBIT INTERRUPT PRINTOUT
235	INHIBIT SUPP INT PRINTOUT
239	FOR ATR/REQUEST
244	REINIT TTY SYSTEM
248	REQUEST TTY AUDIT
252	CANCEL OVERLOAD CONTROLS

NOTE 1		
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed		
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At **SYSTEM DISPLAY** panel:

[5] Depress **DATA INSERT 23, 22,**
and **21** pushbuttons to on

[6] Depress **DATA INSERT**
13 pushbutton



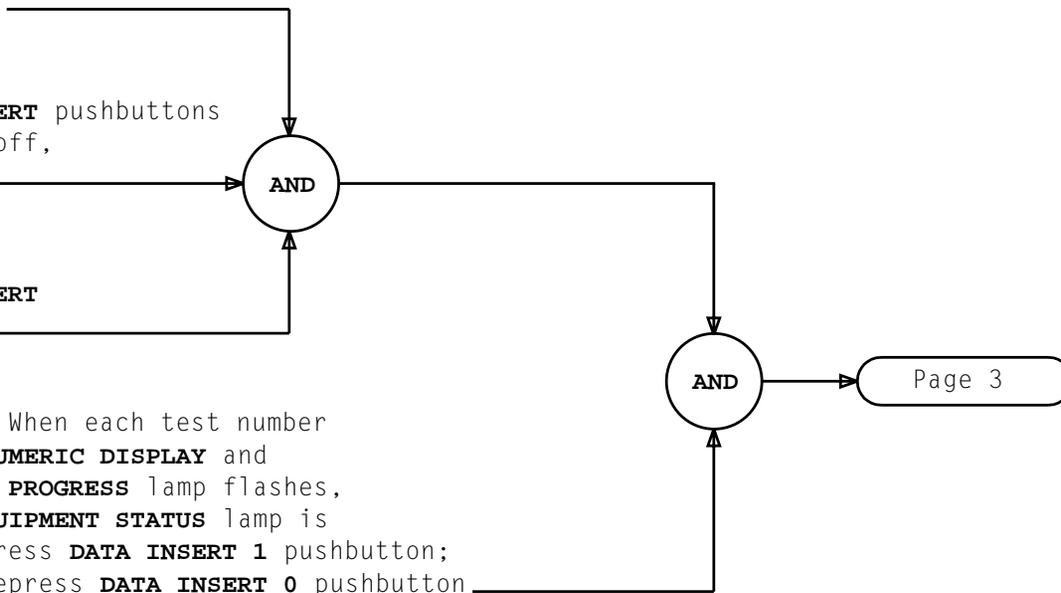
[1] See NOTE 1. At TTY,
type in
DGN:MCC 0:PH 92!

At **SYSTEM DISPLAY** panel:

[2] Depress **DATA INSERT** pushbuttons
23 to on, **22** to off,
and **21** to off

[3] Depress **DATA INSERT**
13 pushbutton

[4] See TABLE A. When each test number
appears on **NUMERIC DISPLAY** and
DIAGNOSIS IN PROGRESS lamp flashes,
if listed **EQUIPMENT STATUS** lamp is
lighted, depress **DATA INSERT 1** pushbutton;
otherwise, depress **DATA INSERT 0** pushbutton



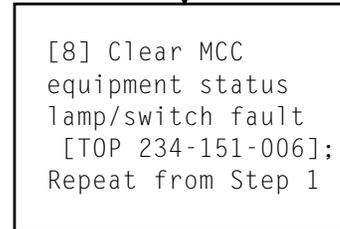
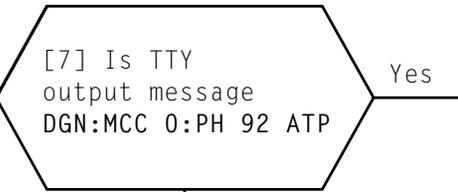
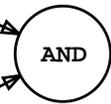
NOTE 1		
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed		
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TABLE A			
NUMERIC DISPLAY TEST NUMBER	EQUIPMENT STATUS LAMP	NUMERIC DISPLAY TEST NUMBER	EQUIPMENT STATUS LAMP
262	CC0	340	VOICE INTERFACE UNIT
265	CC1	343	DIGROUP TERMINAL
268	PROGRAM STORES	346	SYSTEM CLOCK
271	CALL STORES	349	RT SIDE 0
274	FILE STORES	352	RT SIDE 1
277	DISK FILES	355	RECORDED ANN
280	PS BUS 0	362	PROGRAM STORES
283	PS BUS 1	365	CALL STORES
286	CS BUS 0	368	FILE STORES
289	CS BUS 1	371	DISK FILES
292	AU BUS 0	374	DATA UNIT SELECTORS
295	AU BUS 1	377	TAPE UNIT CONT
298	PU BUS 0	380	CAMA TAPE UNIT
301	PU BUS 1	383	DATA LINK CONT
304	DATA UNIT SELECTORS	386	I/O UNIT SELECTORS
307	TAPE UNIT CONT	389	I/O UNIT CONT
310	CAMA TAPE UNIT	392	TIME MULTIPLEX SWITCH
313	DATA LINK CONT	395	TIME SLOT INTER
316	I/O UNIT SELECTORS	398	NETWORK CLOCK
319	I/O UNIT CONT	401	SIGNAL PROCESSOR
322	TIME MULTIPLEX SWITCH	404	CCIS VFL
325	TIME SLOT INTER	407	CCIS
328	NETWORK CLOCK	410	VOICE INTERFACE UNIT
331	SIGNAL PROCESSOR	413	DIGROUP TERMINAL
334	CCIS SLK	416	SYSTEM CLOCK
337	CCIS	419	RECORDED ANN

At **SYSTEM DISPLAY** panel:

[5] Depress **DATA INSERT 23, 22,**
and **21** pushbuttons to on _____

[6] Depress **DATA INSERT**
13 pushbutton _____



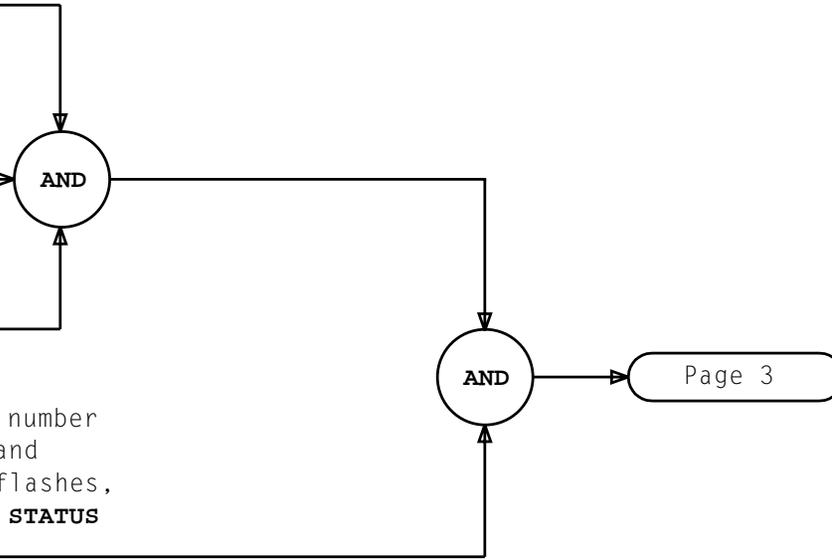
[1] See NOTE 1. At TTY,
type in
DGN:MCC 0:PH 92!

At **SYSTEM DISPLAY** panel:

[2] Depress **DATA INSERT** pushbuttons
23 to on, **22** to off,
and **21** to on

[3] Depress **DATA INSERT**
13 pushbutton

[4] See TABLE A. When each test number
appears on **NUMERIC DISPLAY** and
DIAGNOSIS IN PROGRESS lamp flashes,
depress indicated **EQUIPMENT STATUS**
pushbutton



**RUN PHASE 92 PROGRAM UNIT 5A EQUIPMENT STATUS KEY TESTS
(4E4 GENERIC)**

NOTE 1	
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed	
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TABLE A			
NUMERIC DISPLAY TEST NUMBER	EQUIPMENT STATUS LAMP	NUMERIC DISPLAY TEST NUMBER	EQUIPMENT STATUS LAMP
427	CC0/CC1	505	I/O UNIT SELECTORS
429	CC0/CC1	507	I/O UNIT SELECTORS
433	PROGRAM STORES	511	I/O UNIT CONT
435	PROGRAM STORES	513	I/O UNIT CONT
439	CALL STORES	517	TIME MULTIPLEX SWITCH
441	CALL STORES	519	TIME MULTIPLEX SWITCH
445	FILE STORES	523	TIME SLOT INTER
447	FILE STORES	525	TIME SLOT INTER
451	DISK FILES	529	NETWORK CLOCK
453	DISK FILES	531	NETWORK CLOCK
457	PS BUS 0/PS BUS 1	535	SIGNAL PROCESSOR
459	PS BUS 0/PS BUS 1	537	SIGNAL PROCESSOR
463	CS BUS 0/CS BUS 1	541	CCIS SLK/CCIS VFL
465	CS BUS 0/CS BUS 1	543	CCIS SLK/CCIS VFL
469	AU BUS 0/AU BUS 1	547	CCIS
471	AU BUS 0/AU BUS 1	549	CCIS
475	PU BUS 0/PU BUS 1	553	VOICE INTERFACE UNIT
477	PU BUS 0/PU BUS 1	555	VOICE INTERFACE UNIT
481	DATA UNIT SELECTORS	559	DIGROUP TERMINAL
483	DATA UNIT SELECTORS	561	DIGROUP TERMINAL
487	TAPE UNIT CONT	565	SYSTEM CLOCK
489	TAPE UNIT CONT	567	SYSTEM CLOCK
493	CAMA TAPE UNIT	571	RT SIDE 0/RT SIDE 1
495	CAMA TAPE UNIT	573	RT SIDE 0/RT SIDE 1
499	DATA LINK CONT	577	RECORDED ANN
501	DATA LINK CONT	579	RECORDED ANN

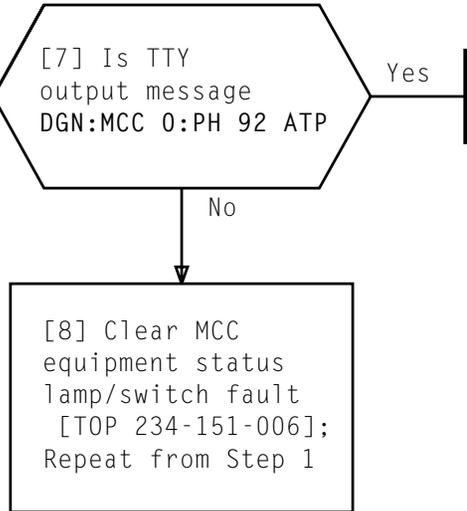
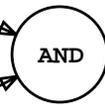
RUN PHASE 92 PROGRAM UNIT 5A EQUIPMENT STATUS KEY TESTS
(4E4 GENERIC)

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At **SYSTEM DISPLAY** panel:

[5] Depress **DATA INSERT 23, 22,**
and **21** pushbuttons to on

[6] Depress **DATA INSERT**
13 pushbutton



[1] See NOTE 1. At TTY,
type in
DGN:MCC 0:PH 92!

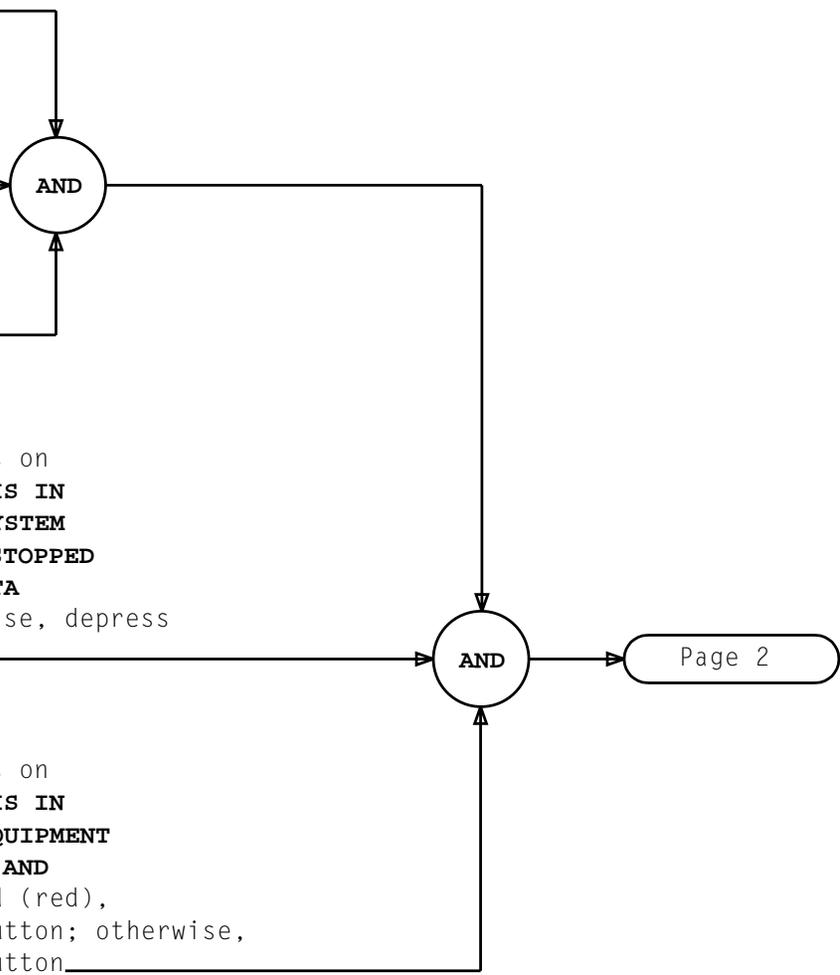
At **SYSTEM DISPLAY** panel:

[2] Depress **DATA INSERT** pushbuttons
23 to on, **22** to on,
and **21** to off

[3] Depress **DATA INSERT**
13 pushbutton

[4] When test number **584** appears on
NUMERIC DISPLAY and **DIAGNOSIS IN**
PROGRESS lamp flashes, if **SYSTEM**
ALARMS - BILLING RECORDING STOPPED
lamp is lighted, depress **DATA**
INSERT 1 pushbutton; otherwise, depress
DATA INSERT 0 pushbutton

[5] When test number **587** appears on
NUMERIC DISPLAY and **DIAGNOSIS IN**
PROGRESS lamp flashes, if **EQUIPMENT**
STATUS - PROCESSOR PWR CONV AND
DISTRIBUTION lamp is lighted (red),
depress **DATA INSERT 1** pushbutton; otherwise,
depress **DATA INSERT 0** pushbutton



NOTE 1
Failure to perform
required action
within 20 seconds
after **DIAGNOSIS IN**
PROGRESS lamp starts
flashing will result
in program stepping
to next test and
failure recorded
for test not
performed

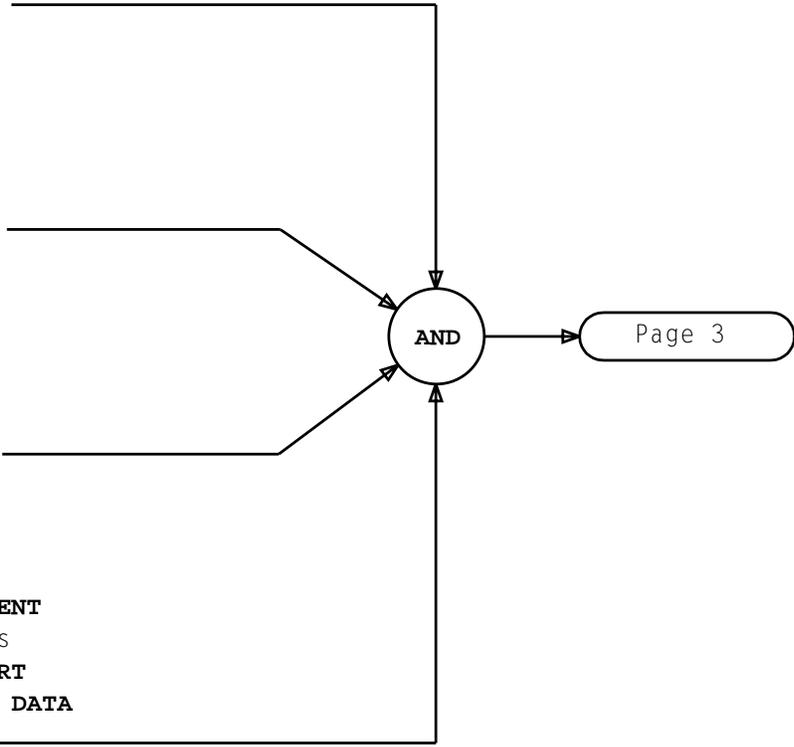
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[6] When test number **590** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if **EQUIPMENT STATUS - PROCESSOR PWR CONV AND DISTRIBUTION** lamp is lighted (amber), depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton

[7] When test number **592** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress **EQUIPMENT STATUS - PROCESSOR PWR CONV AND DISTRIBUTION** pushbutton

[8] When test number **593** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress **EQUIPMENT STATUS - PROCESSOR PWR CONV AND DISTRIBUTION** pushbutton

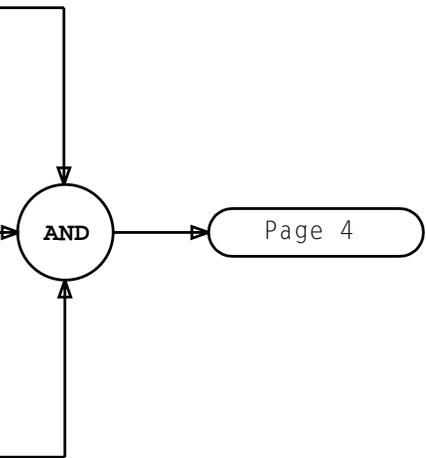
[9] When test number **596** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if **EQUIPMENT STATUS - SERVICE CIRCUITS** lamp is lighted (red), depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton



[10] When test number **599** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if **EQUIPMENT STATUS - SERVICE CIRCUITS** lamp is lighted (amber), depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton

[11] When test number **601** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress **EQUIPMENT STATUS - SERVICE CIRCUITS** pushbutton

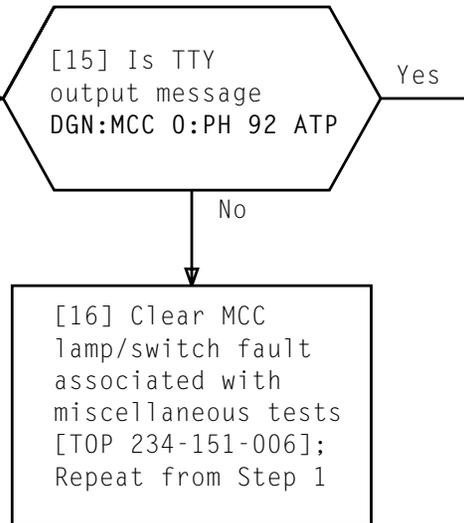
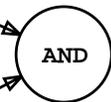
[12] When test number **602** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress **EQUIPMENT STATUS - SERVICE CIRCUITS** pushbutton



At **SYSTEM DISPLAY** panel:

[13] Depress **DATA INSERT 23, 22,**
and **21** pushbuttons to on

[14] Depress **DATA INSERT**
13 pushbutton



[1] See NOTE 1.
At TTY, type in
DGN:MCC 0: PH 92!

On **NUMERIC
DISPLAY, 36**
is displayed

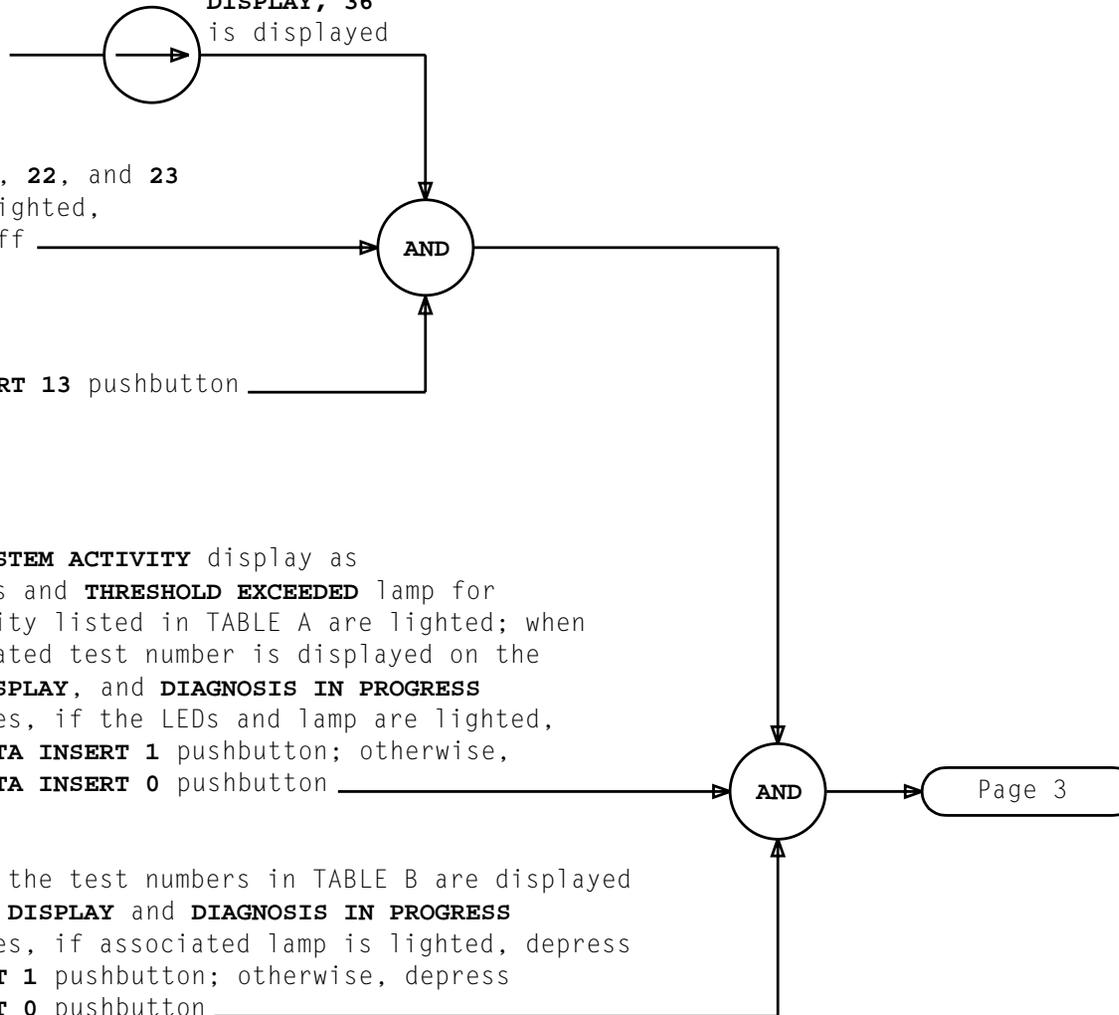
At **SYSTEM DISPLAY** panel:

[2] If **DATA INSERT 21, 22, and 23**
pushbuttons are lighted,
depress to turn off

[3] Depress **DATA INSERT 13** pushbutton

[4] Observe **SYSTEM ACTIVITY** display as
the 10 LEDs and **THRESHOLD EXCEEDED** lamp for
each activity listed in TABLE A are lighted; when
the associated test number is displayed on the
NUMERIC DISPLAY, and **DIAGNOSIS IN PROGRESS**
lamp flashes, if the LEDs and lamp are lighted,
depress **DATA INSERT 1** pushbutton; otherwise,
depress **DATA INSERT 0** pushbutton

[5] As each of the test numbers in TABLE B are displayed
on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS**
lamp flashes, if associated lamp is lighted, depress
DATA INSERT 1 pushbutton; otherwise, depress
DATA INSERT 0 pushbutton



NOTE 1	
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed	
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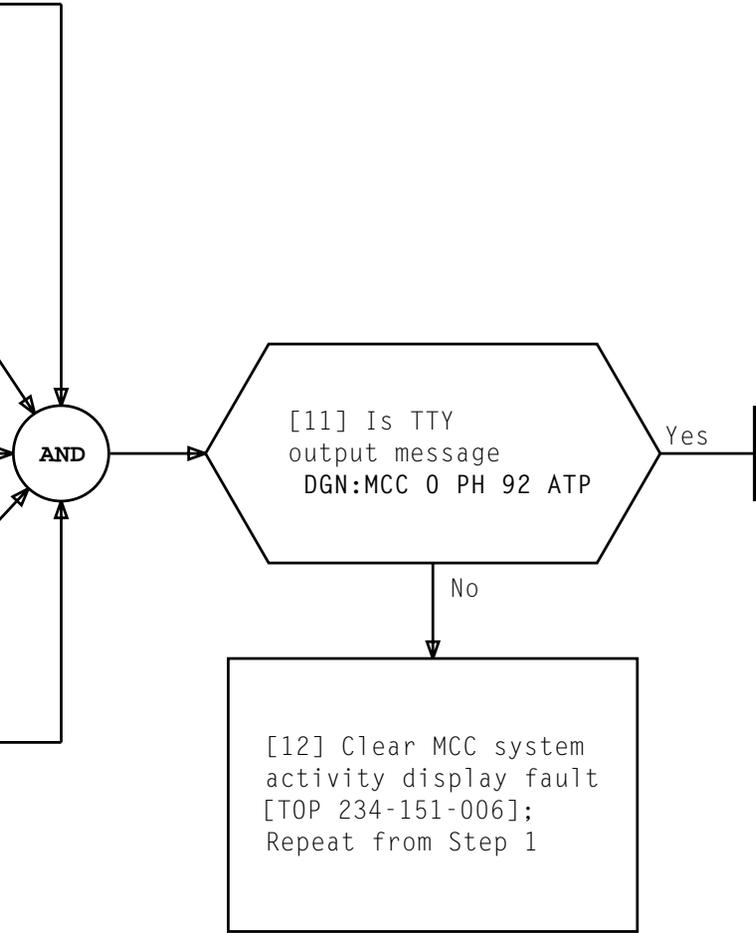
TABLE A	
NUMERIC DISPLAY TEST NUMBER	SYSTEM ACTIVITY LAMP
39	BASE CYCLE TIME
41	TRAFFIC INCOMING
43	CALL REGISTER OCCUPANCY
45	CALLS QUEUED FOR SERV
47	TEST CALL SEIZURE TIME
49	DISK REQUEST QUEUED
51	SWITCHING INEFF ATTEMPTS
53	EQUIP INEFF ATTEMPTS
55	NETWORK OCCUPANCY

TABLE B	
NUMERIC DISPLAY TEST NUMBER	SYSTEM PERFORMANCE LAMP
59	BASE CYCLE TIME
61	TRAFFIC INCOMING
63	CALL REGISTER OCCUPANCY
65	CALLS QUEUED FOR SERV
67	TEST CALL SEIZURE TIME
69	DISK REQUEST QUEUED
71	SWITCHING INEFF ATTEMPTS
73	EQUIP INEFF ATTEMPTS
75	NETWORK OCCUPANCY

RUN PHASE 92 (4E5 GENERIC) PROGRAM UNIT 1
SYSTEM PERFORMANCE TESTS

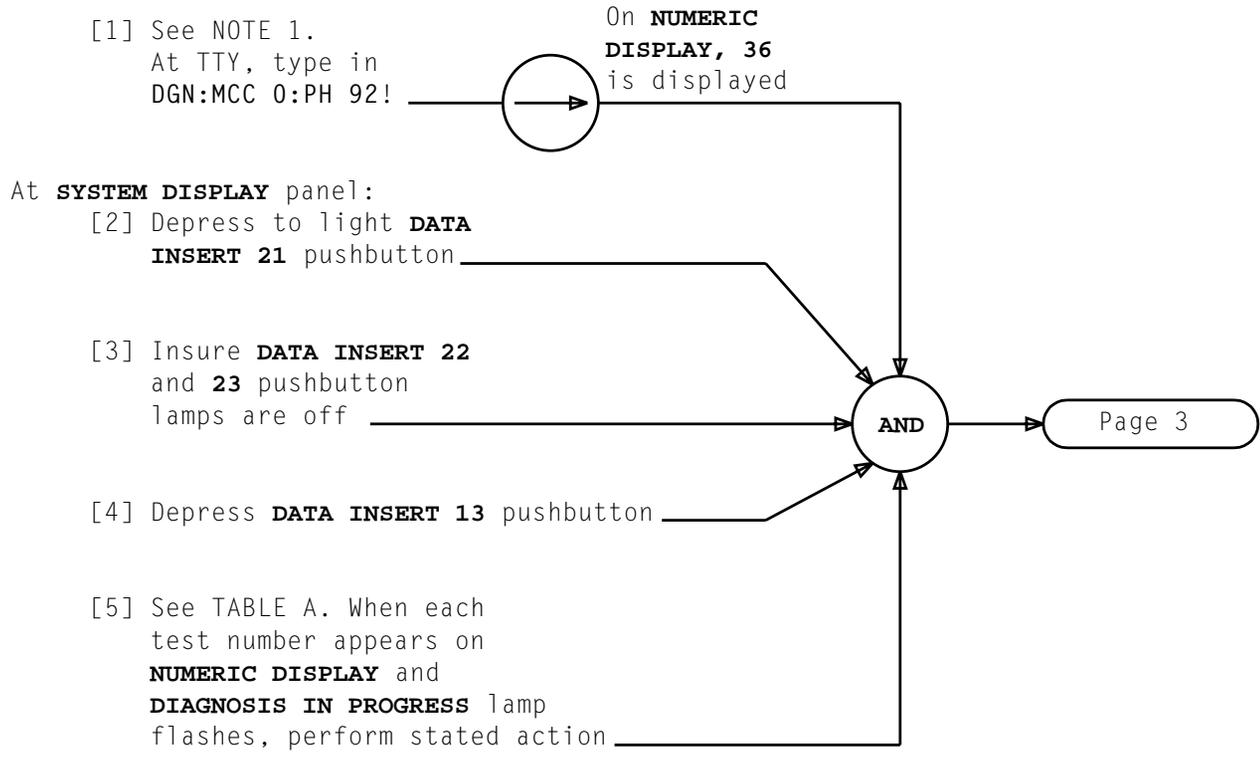
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- [6] When test number **76** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, depress **TEST CALLS - FAIL** pushbutton if lighted
- [7] When test number **77** appears on **NUMERIC DISPLAY** and **DIAGNOSIS IN PROGRESS** lamp flashes, if **TEST CALL - PASS** lamp is lighted, depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton
- [8] When test number **78** is displayed and **DIAGNOSIS IN PROGRESS** lamp flashes, if **TEST CALL - MONITOR INHIBITED** lamp is lighted depress **DATA INSERT 1** pushbutton; otherwise, depress **DATA INSERT 0** pushbutton
- [9] When test number **80** is displayed, depress to light **DATA INSERT 21, 22 and 23** pushbuttons
- [10] Depress to light **DATA INSERT 13** pushbutton



**RUN PHASE 92 (4E5 GENERIC) PROGRAM UNIT 1
SYSTEM PERFORMANCE TESTS**

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NOTE 1
Failure to perform required action within 20 seconds after **DIAGNOSIS IN PROGRESS** lamp starts flashing will result in program stepping to next test and failure recorded for test not performed

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TABLE A

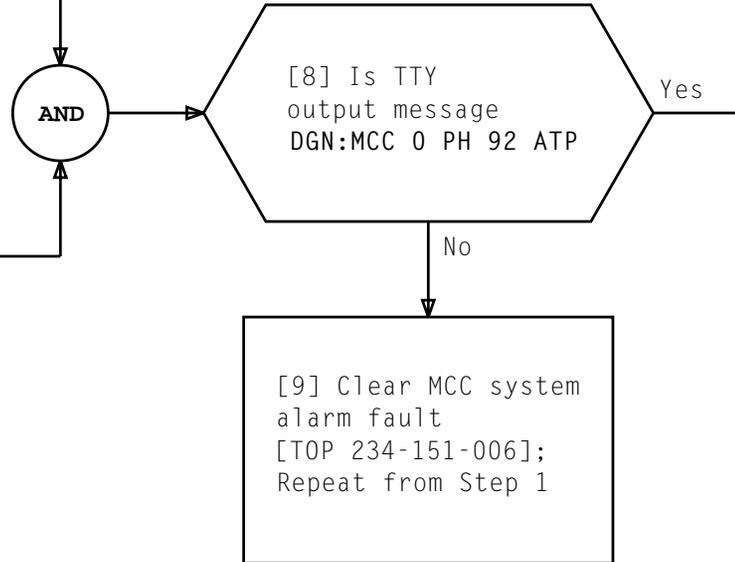
TEST NUMBER	ACTION	TEST NUMBER	ACTION
87	If RECENT CHANGE ROLLBACK lamp is lighted, depress pushbutton	105	If BILLING RECORDING STOPPED lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
89	If DIAGNOSIS FAILURE lamp is lighted, depress pushbutton	107	If SERVICE DEGRADING FAILURE lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
91	If MTCE INTERRUPT lamp is lighted, depress pushbutton	109	Depress SERVICE DEGRADING FAILURE pushbutton
93	If STORE REGEN lamp is lighted, depress pushbutton	110	Depress SERVICE DEGRADING FAILURE pushbutton
95	If MEMORY RECOVERY PHASE lamp is lighted, depress pushbutton	112	If CHANGE TAPE lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
97	If PC CIRCUIT ACTIVATED lamp is lighted, depress pushbutton	114	If CARRIER GROUP lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
99	If SYS PERF DISPLAY TIMEOUT lamp is lighted, depress pushbutton	116	If EQUIPMENT POWER ALARM lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
*101	If REFSTAT lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0	118	If POWER ROOM lamp is lighted, depress DATA INSERT 1 otherwise; depress DATA INSERT 0
*102	If FREERUN lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0	120	If MINOR lamp is lighted, depress pushbutton
*103	Depress REFSTAT/FREERUN pushbutton	122	If MAJOR lamp is lighted, (alarm will sound) depress pushbutton
*104	Depress REFSTAT/FREERUN pushbutton	124	If CRITICAL lamp is lighted, (alarm will sound) depress pushbutton

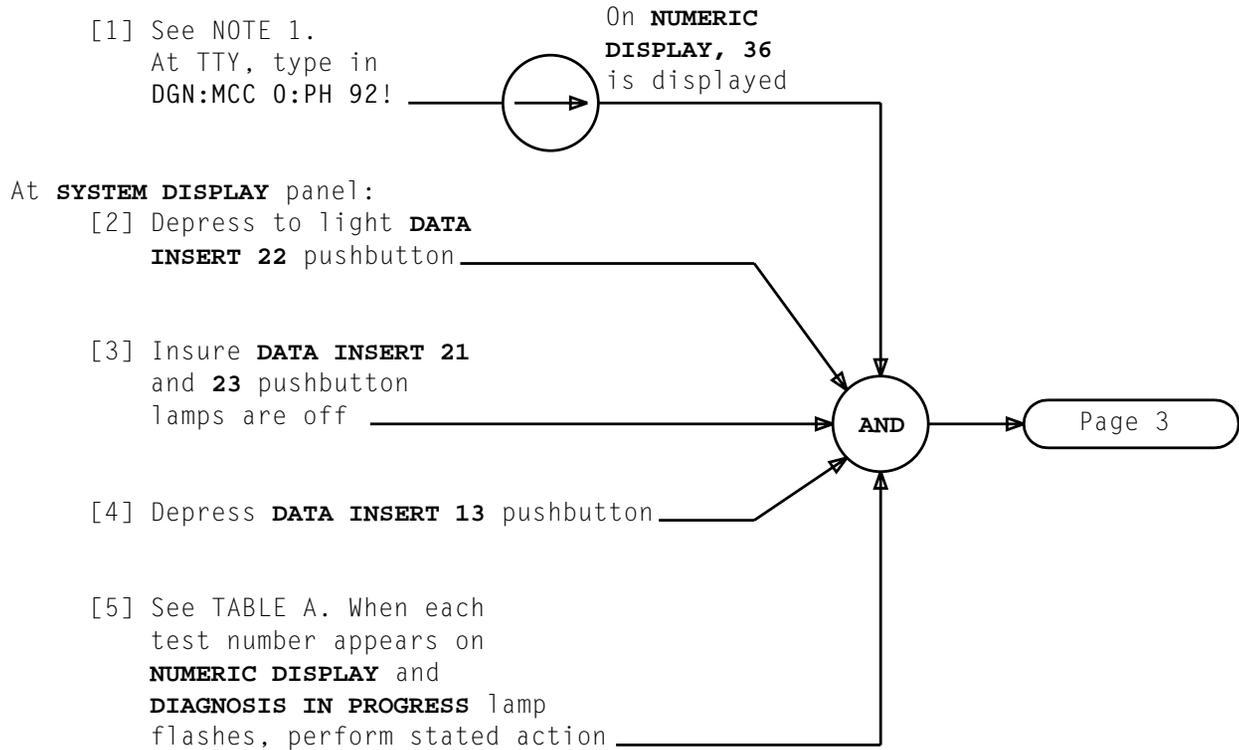
* Only if LDI 5E is installed

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[6] When test number **125** is displayed,
depress to light **DATA INSERT**
21, 22 and **23** pushbuttons

[7] Depress to light **DATA INSERT 13**
pushbutton





NOTE 1 Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed		
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TABLE A

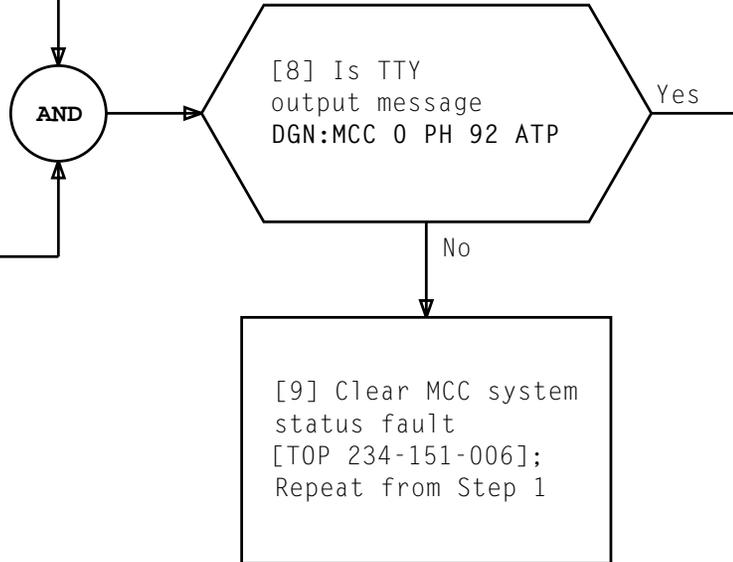
TEST NUMBER	ACTION	TEST NUMBER	ACTION
132	If INTERRUPT INHIBITED lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0	157	If ONI CAMA SUSPENDED lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
134	Depress INTERRUPT INHIBITED pushbutton	160	If MANUAL lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
135	Depress INTERRUPT INHIBITED pushbutton	162	Depress MANUAL pushbutton
137	If TTY MESSAGE INHIBITED lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0	163	Depress MANUAL pushbutton
139	Depress TTY MESSAGE INHIBITED pushbutton	165	If AUTO lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
140	Depress TTY MESSAGE INHIBITED pushbutton	167	Depress AUTO pushbutton
142	If OVERLOAD CONTROLS IN EFFECT lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0	168	Depress AUTO pushbutton
144	Depress OVERLOAD CONTROLS IN EFFECT pushbutton	*169	Depress MC3 DISAB pushbutton
145	Depress OVERLOAD CONTROLS IN EFFECT pushbutton	*173	If MC3 ACT lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
147	If SPECIAL CAMA RECORD lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0	*175	Depress MC3 DISAB pushbutton
149	Depress SPECIAL CAMA RECORD pushbutton	177	If RESTRICT RECENT CHANGE lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
150	Depress SPECIAL CAMA RECORD pushbutton	179	Depress RESTRICT RECENT CHANGE pushbutton
152	If PROGRAM CONTROL OFF NORM lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0	180	Depress RESTRICT RECENT CHANGE pushbutton
154	Depress PROGRAM CONTROL OFF NORM pushbutton	181	If RB AREA CAPACITY WARNING lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
155	Depress PROGRAM CONTROL OFF NORM pushbutton	182	If ACTIVITY lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0

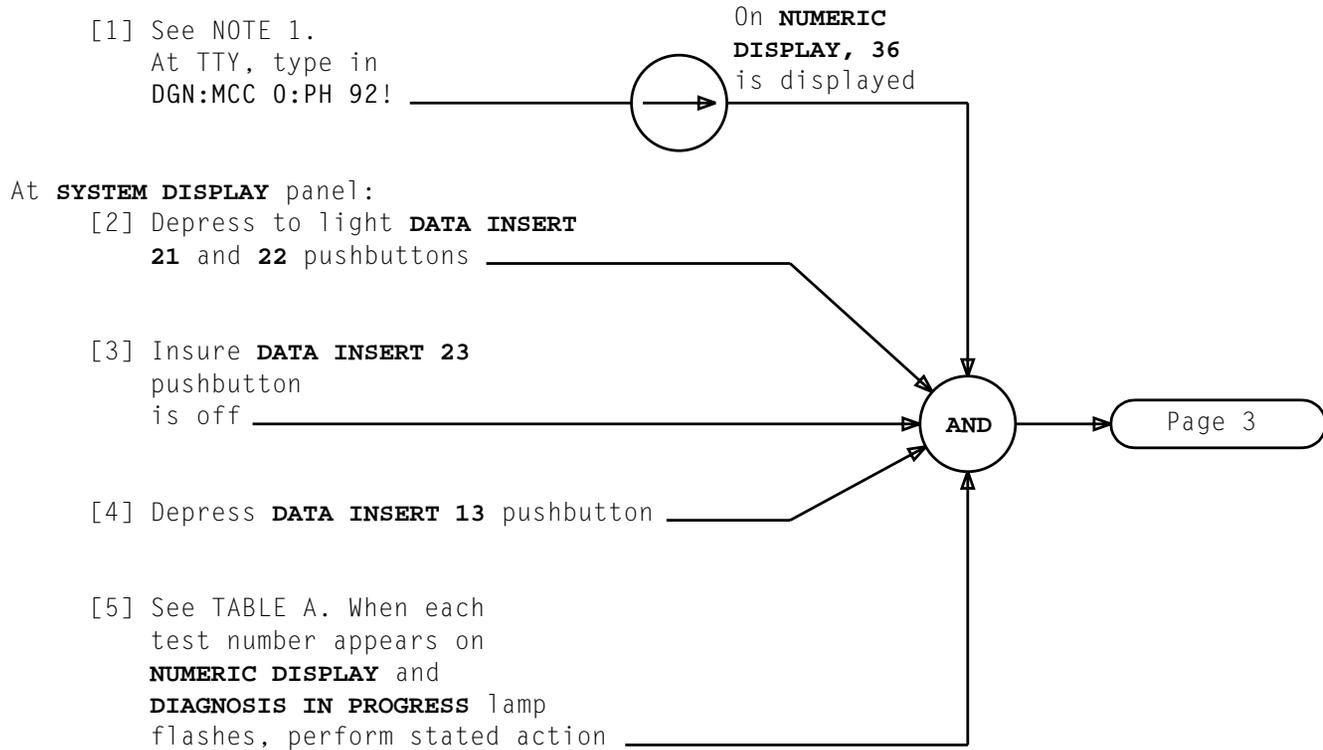
* The program may bypass these test numbers

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[6] When test number **183** is displayed,
depress to light **DATA INSERT**
21, 22 and **23** pushbuttons

[7] Depress to light **DATA INSERT 13**
pushbutton





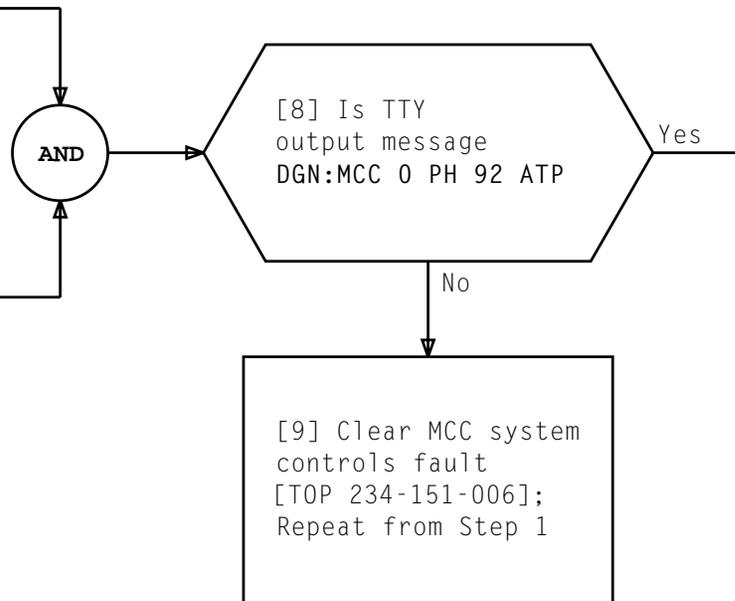
NOTE 1		
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed		
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TABLE A	
TEST NUMBER	ACTION
187	Depress ELEVATE AUDIT PRINTOUT pushbutton
188	Depress ELEVATE AUDIT PRINTOUT pushbutton
189	Depress INHIBIT AUDIT PRINTOUT pushbutton
190	Depress INHIBIT AUDIT PRINTOUT pushbutton
191	Depress INHIBIT INTERRUPT PRINTOUT pushbutton
192	Depress INHIBIT INTERRUPT PRINTOUT pushbutton
193	Depress INHIBIT SUPP INT PRINTOUT pushbutton
194	Depress INHIBIT SUPP INT PRINTOUT pushbutton
196	If FOR ATR/REQUEST lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
198	Depress FOR ATR/REQUEST pushbutton
199	Depress FOR ATR/REQUEST pushbutton
201	If REINIT TTY SYSTEM lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
203	Depress REINIT TTY SYSTEM pushbutton
204	Depress REINIT TTY SYSTEM pushbutton
206	If REQUEST TTY AUDIT lamp is lighted, depress DATA INSERT 1 pushbutton; otherwise, depress DATA INSERT 0
208	Depress REQUEST TTY AUDIT pushbutton
209	Depress REQUEST TTY AUDIT pushbutton
210	Depress CANCEL OVERLOAD CONTROL pushbutton
211	Depress CANCEL OVERLOAD CONTROL pushbutton

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[6] When test number **212** is displayed,
depress to light **DATA INSERT**
21, 22 and **23** pushbuttons

[7] Depress to light **DATA INSERT 13**
pushbutton



[1] See NOTE 1.
At TTY, type in
DGN:MCC 0:PH 92!

On **NUMERIC
DISPLAY, 36**
is displayed

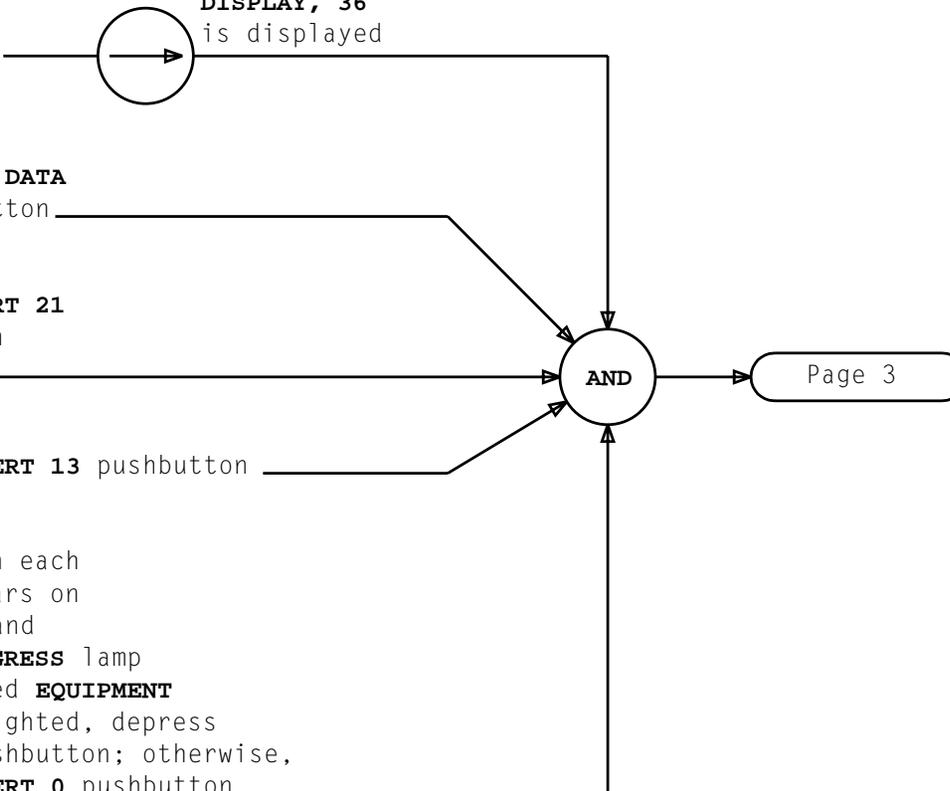
At **SYSTEM DISPLAY** panel:

[2] Depress to light **DATA
INSERT 23** pushbutton

[3] Insure **DATA INSERT 21**
and **22** pushbutton
lamps are off

[4] Depress **DATA INSERT 13** pushbutton

[5] See TABLE A. When each
test number appears on
NUMERIC DISPLAY and
DIAGNOSIS IN PROGRESS lamp
flashes, if listed **EQUIPMENT
STATUS** lamp is lighted, depress
DATA INSERT 1 pushbutton; otherwise,
depress **DATA INSERT 0** pushbutton



NOTE 1
Failure to perform
required action
within 20 seconds
after **DIAGNOSIS
IN PROGRESS** lamp
starts flashing
will result in
program stepping
to next test and
failure recorded
for test not
performed

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TABLE A					
TEST NUMBER	EQUIPMENT STATUS LAMPS	LAMP COLOR	TEST NUMBER	EQUIPMENT STATUS LAMPS	LAMP COLOR
219	CC0	RED	283	DIGROUP TERMINAL	RED
221	CC1		285	SYSTEM CLOCK/NCLK SYNC	
223	PROGRAM STORE		*287	NCLK SYNC	
225	CALL STORE		289	RT SIDE 0	
227	FILE STORE		291	RT SIDE 1	
229	DISK FILE		293	RECORDED ANN	
231	PS BUS 0		295	SERVICE CIRCUITS	
233	PS BUS 1		297	ECHO SUPP TERMINAL	
235	CS BUS 0		*299	DIGITAL INTERFACE	
237	CS BUS 1		308	PROGRAM STORE	
239	AU BUS 0		310	CALL STORE	
241	AU BUS 1		312	FILE STORE	
243	PU BUS 0		314	DISK FILE	
245	PU BUS 1		316	DATA UNIT SELECTORS	
247	DATA UNIT SELECTORS		318	TAPE UNIT CONT	
249	TAPE UNIT CONT		320	CAMA TAPE UNIT	
251	CAMA TAPE UNIT		322	DATA LINK CONT	
253	DATA LINK CONT		324	I/O UNIT SELECTORS	
255	I/O UNIT SELECTORS		326	I/O UNIT CONT	
257	I/O UNIT CONT		328	PROCESSOR PWR CONV AND DIST	
259	PROCESSOR PWR CONV AND DIST		330	TIME MULTIPLEX SWITCH	
260	(Program can be terminated; otherwise, depress DATA INSERT 1 pushbutton		332	TIME SLOT INTER	
*265	PERIPH UNIT CONT		334	NETWORK CLOCK	
*267	MASS ANN SYSTEM		336	SIGNAL PROCESSOR	
269	TIME MULTIPLEX SWITCH		337	CCIS VFL	
271	TIME SLOT INTER		338	CCIS	
273	NETWORK CLOCK		340	VOICE INTERFACE UNIT	
275	SIGNAL PROCESSOR		342	DIGROUP TERMINAL	
277	CCIS SLK		344	SYSTEM CLOCK	
279	CCIS		346	RECORDED ANN	
281	VOICE INTERFACE UNIT	348	SERVICE CIRCUITS		
		*350	DIGITAL INTERFACE		
		†350	ECHO SUPP TERMINAL		

* Only if LDI 5E is installed

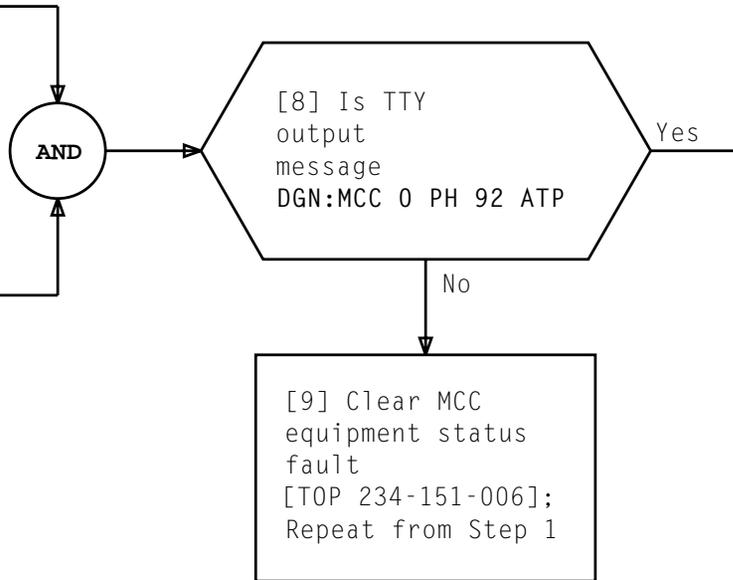
† Only if LDI 5E is not installed

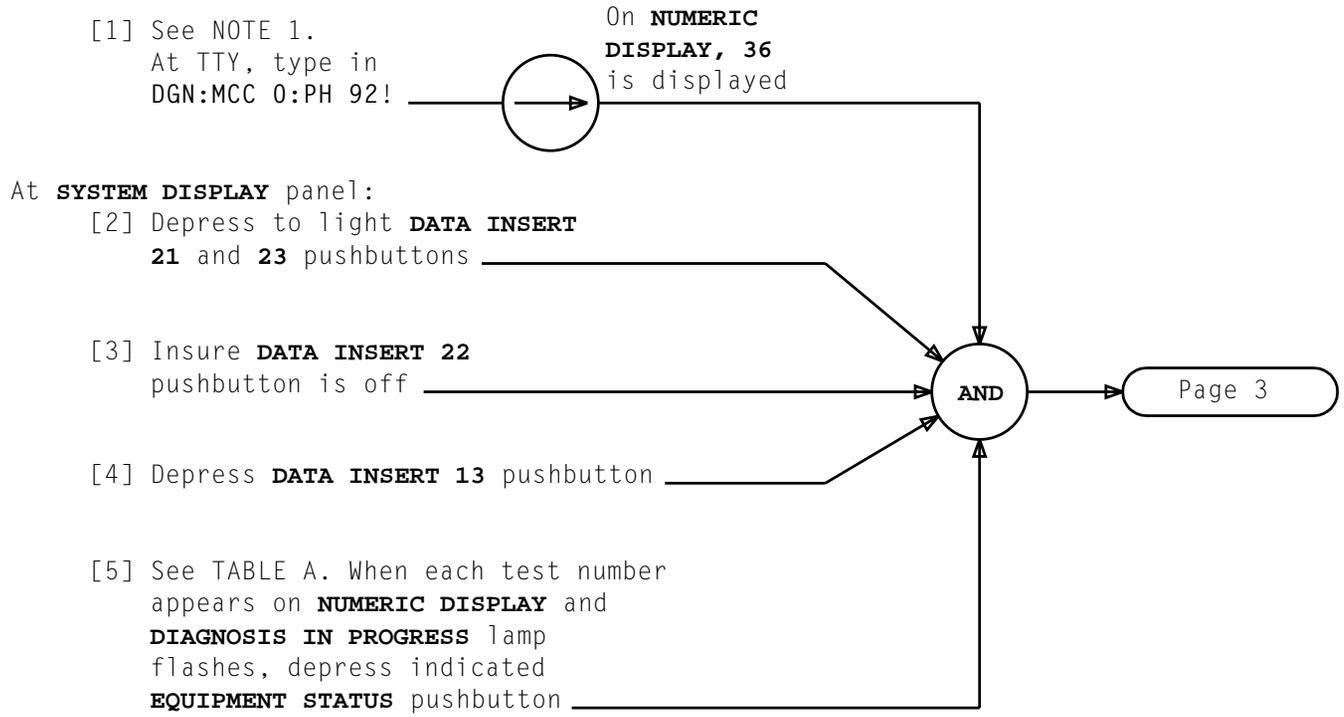
†† If termination is desired, set DI pushbutton 21, 22 and 23; then set DI pushbutton 13.

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[6] When test number **351** is displayed,
depress to light **DATA INSERT**
21, 22 and **23** pushbuttons

[7] Depress to light **DATA INSERT 13**
pushbutton





NOTE 1	
Failure to perform required action within 20 seconds after DIAGNOSIS IN PROGRESS lamp starts flashing will result in program stepping to next test and failure recorded for test not performed	
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**RUN PHASE 92 (4E5 GENERIC) PROGRAM UNIT 5A EQUIPMENT STATUS
KEY TESTS**

TABLE A					
TEST NUMBER	EQUIPMENT STATUS LAMPS	TEST NUMBER	EQUIPMENT STATUS LAMPS	TEST NUMBER	EQUIPMENT STATUS LAMPS
355	CC0/CC1	378	CAMA TAPE UNIT	402	SIGNAL PROCESSOR
356	CC0/CC1	379	DATA LINK CONT	403	CCIS SLK/CCIS VFL
357	PROGRAM STORE	380	DATA LINK CONT	404	CCIS SLK/CCIS VFL
358	PROGRAM STORE	381	I/O UNIT SELECTORS	405	CCIS
359	CALL STORE	382	I/O UNIT SELECTORS	406	CCIS
360	CALL STORE	383	I/O UNIT CONT	407	VOICE INTERFACE UNIT
361	FILE STORE	384	I/O UNIT CONT	408	VOICE INTERFACE UNIT
362	FILE STORE	385	PROCESSOR PWR CONV AND DIST	409	DIGROUP TERMINAL
363	DISK FILE	386	PROCESSOR PWR CONV AND DIST	410	DIGROUP TERMINAL
364	DISK FILE	† 387	(Program can be terminated; otherwise, depress	†411	SYS CLOCK/NCLK SYNC
365	PS BUS 0/PS BUS 1		DATA INSERT 1 pushbutton	412	SYS CLOCK/NCLK SYNC
366	PS BUS 0/PS BUS 1			413	RT SIDE 0/RT SIDE 1
367	CS BUS 0/CS BUS 1	*391	PERIPH UNIT CONT	414	RT SIDE 0/RT SIDE 1
368	CS BUS 0/CS BUS 1	*392	PERIPH UNIT CONT	415	RECORDED ANN
369	AU BUS 0/AU BUS 1	*393	MASS ANN SYSTEM	416	RECORDED ANN
370	AU BUS 0/AU BUS 1	*394	MASS ANN SYSTEM	417	SERVICE CIRCUITS
371	PU BUS 0/PU BUS 1	395	TIME MULTIPLEX SWITCH	418	SERVICE CIRCUITS
372	PU BUS 0/PU BUS 1	396	TIME MULTIPLEX SWITCH	419	ECHO SUPP TERMINAL
373	DATA UNIT SELECTORS	397	TIME SLOT INTER	420	ECHO SUPP TERMINAL
374	DATA UNIT SELECTORS	398	TIME SLOT INTER	*421	DIGITAL INTERFACE
375	TAPE UNIT CONT	399	NETWORK CLOCK	*422	DIGITAL INTERFACE
376	TAPE UNIT CONT	400	NETWORK CLOCK		
377	CAMA TAPE UNIT	401	SIGNAL PROCESSOR		

* Only if LDI 5E is installed

† Only if LDI 5E is not installed

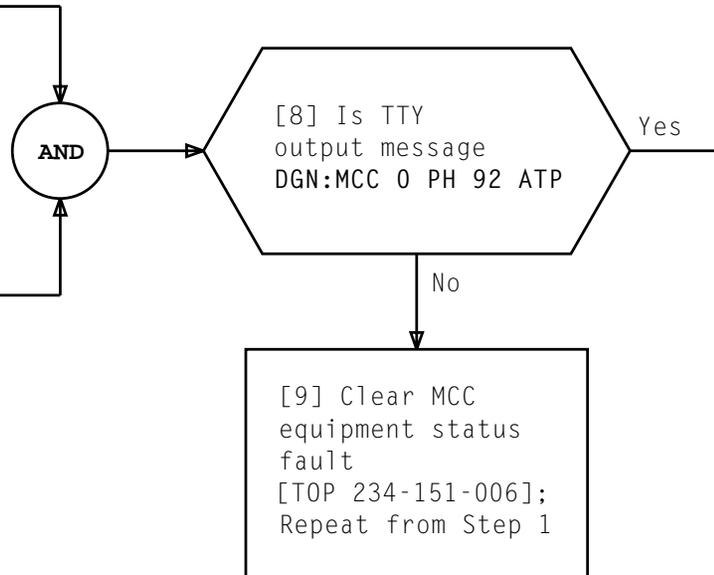
†† If termination is desired, set DI pushbutton 21, 22 and 23; then set DI pushbutton 13

RUN PHASE 92 (4E5 GENERIC) PROGRAM UNIT 5A EQUIPMENT STATUS
KEY TESTS

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[6] When test number **426** is displayed,
depress to light **DATA INSERT**
21, 22 and **23** pushbuttons

[7] Depress to light **DATA INSERT 13**
pushbutton



**RUN PHASE 92 (4E5 GENERIC) PROGRAM UNIT 5A EQUIPMENT STATUS
KEY TESTS**

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ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE
CHECKLIST		DLP-532									
COL-050		DLP-533									
COP-051		DLP-534									
DLP-500		DLP-535									
DLP-501		DLP-536									
DLP-502		DLP-537									
DLP-503											
DLP-504											
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DLP-530											
DLP-531											

REVISED OR ADDED ITEM

CANCELED ITEM

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CKL

CHECKLIST

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