Merlin
British Telecom Business Systems

MER 43

CUSTOMER CONFIGURATION INFORMATION FOR

KINSMAN™ 543 and VICEROY™ 243

CALL CONNECT SYSTEM

™ KINSMAN and VICEROY are trademarks of British Telecom

CUSTOMERS NAME .....

ADDRESS .....

.....

.....

.....

DATE.....

INSTALLATION DATE .....

CUSTOMER CONTACT .....

TELEPHONE NUMBER .....

SALES CONTACT .....

TELEPHONE NUMBER .....

APPROVED for use
with telecommunications systems
run by British Telecommunications
in accordance with the conditions
in the instructions for use

IMPORTANT: THIS DOCUMENT SHOULD BE RETURNED TO THE CUSTOMER FOR RETENTION WITH THE INSTALLED SYSTEM. ALTERATIONS SHOULD BE NOTED IN PENCIL.

Guidance Notes

1. Exchange line and Inter-switchboard extension/private wire list.

a. Exchange lines will normally access Trunk Group 1 with access digit 9.

b. Private wires/Inter-switchboard extensions will normally be allocated to Trunk Groups 2 and 3 respectively. Access digit normally 7, or 71/72 etc. in the case of two or more routes.

c. Direct Inward Access (DIA). These exchange lines are allocated to individual extensions.

2. Class of Service.

There are three standard Classes of Service available as described.
Enter 1, 2 or 3 on the extension schedule as required.
It may be necessary to make up other C.O.S. (i.e. to include manual extension) from time to time.

3. Barring.

Discriminatory barring may be applied on an individual extension basis. There are three classes of barring available.

Barring 0 No barring. The extension is allowed unlimited dialled access.

Barring 1 Operator charged calls and IDD barred. Bars access to service codes that would allow any IDD call via an operator (i.e. 10, 155, 156, 157 & 158).

Barring 2 Operator charged calls, STD and IDD barred. Bars access to service codes that would allow any STD or IDD call via an operator (i.e. 10, 140, 155, 156, 157, 158, 190, 191, 193 & 197).

Enter 0, 1 or 2 on the extension schedule in the barring column as required.
The exceptions table should be completed in respect of any codes which are to be allowed. Only those local calls which cannot be made using short code routings should normally be entered.

4. Hunt Groups.

There are 6 Hunt Groups available.
Viceroy — Access codes 41-46 respectively have been allocated.
Kinsman — Access codes 441-446 respectively have been allocated.

Circular Hunting.
Enter only 1-6 in Hunt Group column C on extension schedule.

Terminal Hunting.
Enter 1/1, 1/2 etc. in the Hunt Group column T. The second digit denotes the order of hunting.

Note: Each Hunt Group may contain up to 8 extensions.

5. Mains Fail.

On Viceroy the first two extensions, and on Kinsman any two pre-designated extensions will automatically switch to exchange lines in the event of mains failure. If MF telephones, or Featurephones, are provided on these extensions, dial telephones must also be available to enable outgoing calls to be made under Mains Fail conditions.

6. Extension Metering & Call Logging.

Systems on which "real time", as opposed to "call timing", or Call Logging is required, meter pulses from the public exchange must be provided. The appropriate column of the exchange line list must be noted accordingly.

7. Pickup Group.

There are 7 Pickup Groups available. Enter 1-7 on extension schedule as required.

8. Direct Extension Selection.

Viceroy: All 16 keys may be allocated to extensions as required.
Kinsman: 9 keys only may be allocated.
Enter Console key number in appropriate column on extension schedule.

9. Merlin TX14 Featurephone.

Where a Featurephone is required the extension schedule must be noted, and one programming sheet completed per Featurephone.

Note 1: ONLY MERLIN TX14 FEATUREPHONES ARE PERMISSABLE ON VICEROY OR KINSMAN SYSTEMS.

Note 2: A MAXIMUM OF 8 FEATUREPHONES ALLOWED ON VICEROY AND 16 ON KINSMAN.

10. Users Limited Programming.

Customers are able to make the following changes to the system programme:

1. Extension numbering.
2. C.O.S. changes.
3. Pickup Groups.
4. Hunt Groups.
5. Direct Extension Select Keys.
6. Discriminatory Barring.

The information required to make these changes is contained in the Users Limited Programming section of the Console Operators Handbook *. Any alterations made should be noted in this booklet in the appropriate column.

* VICEROY (243) MER 37. KINSMAN (543) MER 38.

Class of Service

Individual extension users can be assigned features selected from 3 packages, ranging from the Executive or full feature package to the most restricted. The guide below is intended to aid the selection of the appropriate package for each extension or group of extensions. From time to time it may be necessary to make up other C.O.S. (i.e. to include manual extension).

Extension Features	C.O.S. 1 Executive	2	3 Restricted
NIGHT SERVICE DIAL ANSWER	▨	▨	▨
CALL TRANSFER	▨	▨	▨
GROUP PICKUP	▨	▨	▨
WAIT ON BUSY	▨	▨	▨
CALL BACK ON BUSY	▨	▨	▨
DIVERSION ON BUSY	▨	▨	▨
DIVERSION ON NO REPLY	▨	▨	▨
DIVERSION OF ALL CALLS	▨	▨	▨
THREE PARTY CONNEXION	▨	▨	▨
EXCHANGE LINE ACCESS	▨	▨	
ABBREVIATED DIALLING	▨	▨	
LAST NUMBER REDIAL	▨	▨	
CALL HOLD RETRIEVE	▨	▨	
PAGING	▨	▨	
DIVERSION EXTERNAL*	▨	▨	
EXECUTIVE INTRUSION	▨		

* Note = External diversion is only available via P.C's.

Features - VICEROY and KINSMAN CALL CONNECT SYSTEMS

Abbreviated Dialling
Alarm Indicators
Automatic Diagnostics
Automatic Switching to Night Service
Dial Answer (NSDA) After Time Out
Automatic Wake-up
Background Music *
Barring - Extension to Extension
Behind PBX Working
Block Programming (E)
Busy Lamp Display
Call Back on Busy
Calling Extension Display
Call Logging
Centralised Dictation
Class of Service (9)
Console Keys
Data Security
Digital Clock
Direct Extension Selection
Direct Inward Access
Direct Outward Dialling
Direct Trunk Select
Discriminatory Barring
Distinctive Ringing
Distinctive Callback Ringing
Diversion of All Calls
Diversion on No Reply
Diversion on Busy
Diversion (External)
Dual MF4/Dial Pulse Operation
Executive Intrusion with Warning Tone
Executive (Intrusion Busy Override)
Security
Extension Metering
Extension to Extension Dialling
Extension Reset
Extension Transfer Security
Feature Phones
Flexible Numbering Plan
Hold
Hunt Groups (6)
Identified Trunk Groups
Last Number Redial
Lockout
Lockout with Secrecy
Maintenance Functions (E)
Manual Extension
Message Waiting
Music on Hold **
Night Bells
Night Service Dial Answer (NSDA)
from Any Extension
Night Service - Flexible
NSDA - Overflow
Operator Functions
Paging Access
Pickup Groups 7 (1-7)
Power Emergency Switching (2)
Power Failure Restart - Battery Hold
Power Failure Restart - ROM
Programming Access Code (E)
Recall Inhibition
Recall for Operator
Signalling System DC 5
Signalling System AC 15 A
Speech Path Test (E)
Special Dial Tone
Temporary Trunk Barring
Three Party Connection
Through Dialling
Timed Recall
Tone to Pulse Conversion
Trunk Alarm Control
Trunk Busy-Out Enable
Trunk Groups (6)
Trunk Group Overflow
Trunk Hunting (Terminal or Circular)
Trunk Selection Automatic
User Programming Access
Voice Synthesis *
Wait for Dial Tone
Wait on Busy with Alert Tone
(Extension to Extension and Trunk
to Extension)

Note: * NOT on KINSMAN

** ON KINSMAN 10 + 48 and VICEROY only

(E) For Engineering use

Exchange Line and Private Circuit List KINSMAN & VICEROY

Exchange Line or Private circuit number	Direction			Day Answer Point		Busy Lamp Number	Trunk Group N'mber/Acc'ss	Incoming Group Key	Meter Pulses Req'd	Remarks
	B/W	I/C	O/G	Console	DIA.					
										Drop Back to Equipment No. 01ø
										Drop Back to Equipment No. 02ø

ø **Note:** Applies to VICEROY only
In the case of KINSMAN the first two exchange lines may be switched to any two predetermined equipment numbers

Exceptions to Barring Options 1 & 2

Barring 1			

Barring 2			

KINSMAN Extension Schedule

Extension Name/ Location	Extension Apps. (Plan Extns. Colour Misc.)	Merlin TX14 Feature Phone	Equip Number	C.O.S. Number	Barring Enter 0, 1 or 2	Pickup Group 1-7	Extension Number	Direct Extension Selection Key No.	Hunt Group		Remarks
									C	T	
			01				200				
			02				201				
			03				202				
			04				203				
			05				204				
			06				205				
			07				206				
			08				207				
			09				208				
			10				209				
			11				210				
			12				211				
			13				212				
			14				213				
			15				214				
			16				215				
		X	17				216				
		X	18				217				
		X	19				218				
		X	20				219				
		X	21				220				
		X	22				221				

			23				222				
			24				223				
			25				224				
			26				225				
			27				226				
			28				227				
			29				228				
			30				229				
			31				230				
			32				231				
			33				232				
			34				233				
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			37				236				
			38				237				
			39				238				
			40				239				
			41				240				
			42				241				
			43				242				
			44				243				
			45				244				
			46				245				
			47				246				
			48				247				

For Equipment Numbers 49-72 see overleaf

Extension Name/ Location	Extension Apps. (Plan Extns. Colour Misc.)	Merlin TX14 Feature Phone	Equip Number	C.O.S. Number	Barring Enter 0, 1 or 2	Pickup Group 1-7	Extension Number	Direct Extension Selection Key No.	Hunt Group		Remarks
									C	T	
		X	49				248				
		X	50				249				
		X	51				250				
		X	52				251				
		X	53				252				
		X	54				253				
		X	55				254				
		X	56				255				
		X	57				256				
		X	58				257				
		X	59				258				
		X	60				259				
		X	61				260				
		X	62				261				
		X	63				262				
		X	64				263				
		X	65				264				
		X	66				265				
		X	67				266				
		X	68				267				
		X	69				268				
		X	70				269				
		X	71				270				
		X	72				271				

VICEROY Extension Schedule

Extension Name/ Location	Extension Apps. (Plan Extns. Colour Misc.)	Merlin TX14 Feature Phone	Equip Number	C.O.S. Number	Barring Enter 0, 1 or 2	Pickup Group 1-7	Extension Number	Direct Extension Selection Key No.	Hunt Group		Remarks
									C	T	
			01				20				Drop Back Line 1 — See Note 5
			02				21				Drop Back Line 2 — See Note 5
			03				22				
			04				23				
			05				24				
			06				25				
			07				26				
			08				27				
			09				28				
			10				29				
			11				30				
			12				31				
			13				32				
			14				33				
			15				34				
			16				35				

TX 14 Featurephone Details (Commands 701-708/716 and 725-740 Registers 1-15ø)

KEY 01 (PRIMARY EXTENSION) EQUIPMENT NUMBER _____ EXTENSION NUMBER _____ (AUTOMATICALLY DETERMINED BY COMMAND 620 EXTENSION DATA)

KEY NUMBER		Enter Numerical Code (See Note 1)			DIRECTORY NUMBER (BITS F, G & H)
		C	D	E	
15					
	14				
13					
	12				
11					
	10				
09					
	08				
07					
	06				
05					
	04				
03					
	02				
01		1			

ø For Engineering Use

NOTE 1:

BIT C – DETERMINES LINE APPEARANCE TYPE

0 = ABBREVIATED DIALLING
1 = PRIMARY EXTENSION (ALWAYS KEY 01)
2 = KEY EXTENSION
3 = MULTI ACCESS EXTENSION
4 = DIRECT ACCESS TRUNK
5 = RESERVED (DO NOT USE)
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7 = PRIMARY OUTGOING EXTENSION

BIT D – RINGING TYPE

0 = NO RING
1 = IMMEDIATE RING
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BIT E – CALL DIRECTION

0 = OUTGOING ONLY
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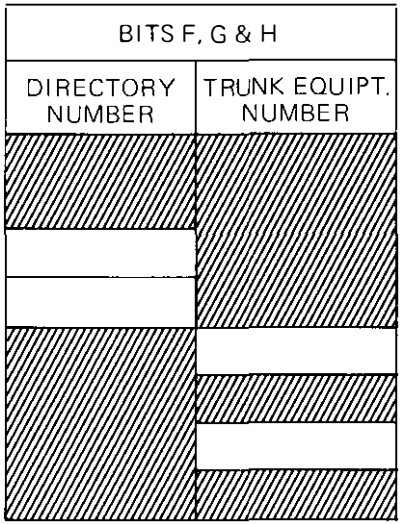

KINSMAN

Commands 701-716 apply when Extension Equipment Numbers 01-16 are used for the Featurephone Extension Card
Commands 725-740 apply when Extension Equipment Numbers 25-40 are used for the Featurephone Extension Card

VICEROY

Commands 701-708 apply for Extension Equipment Numbers 01-08

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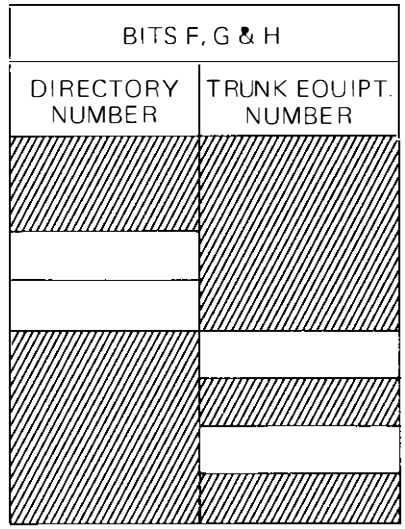

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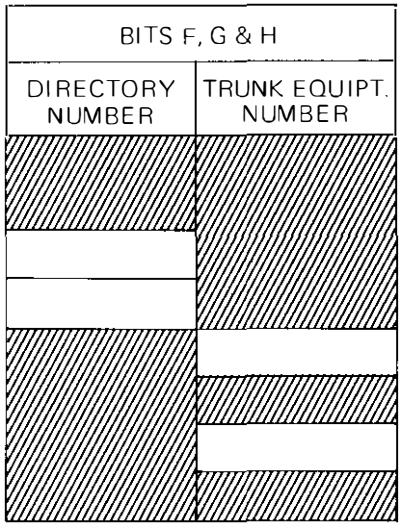

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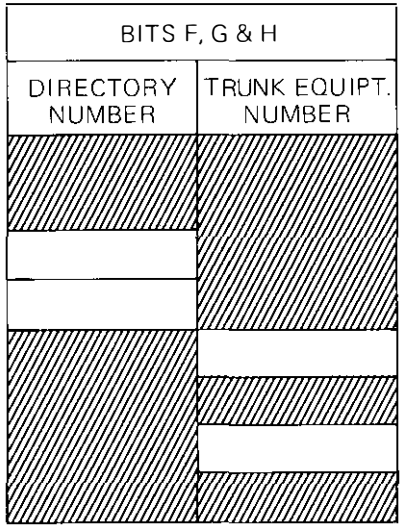

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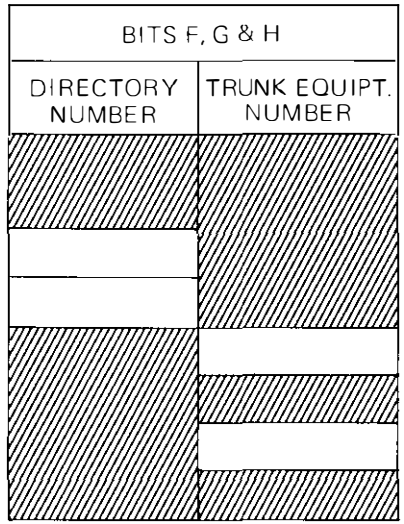

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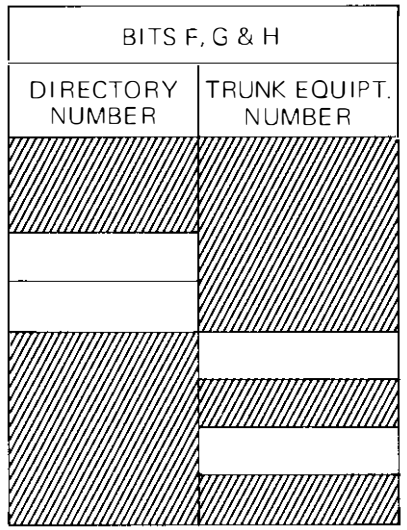

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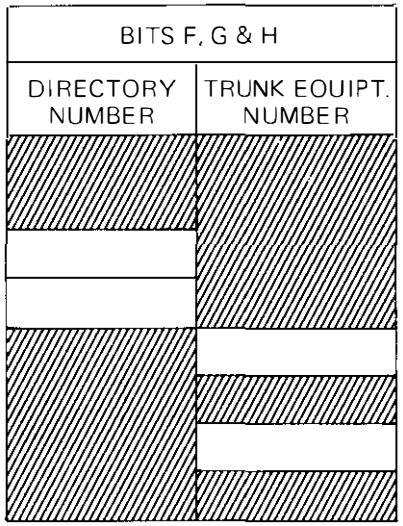

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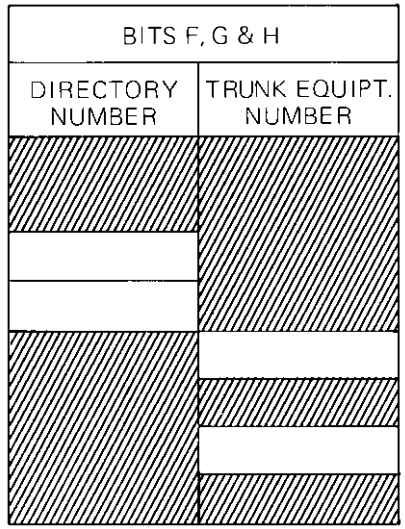

KINSMAN

Commands 701-716 apply when Extension Equipment Numbers 01-16 are used for the Featurephone Extension Card
Commands 725-740 apply when Extension Equipment Numbers 25-40 are used for the Featurephone Extension Card

VICEROY

Commands 701-708 apply for Extension Equipment Numbers 01-08

TX 14 Featurephone Details (Commands 701-708/716 and 725-740 Registers 1-15ø)

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ø For Engineering Use

NOTE 1:

BIT C – DETERMINES LINE APPEARANCE TYPE

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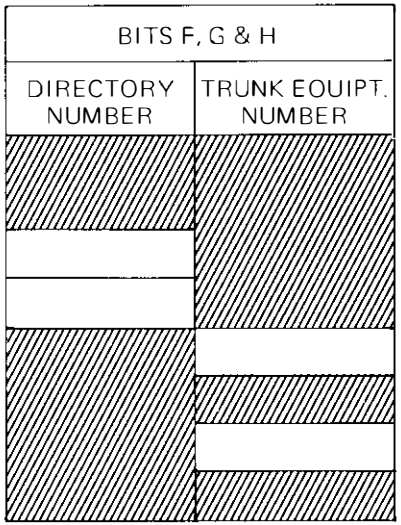

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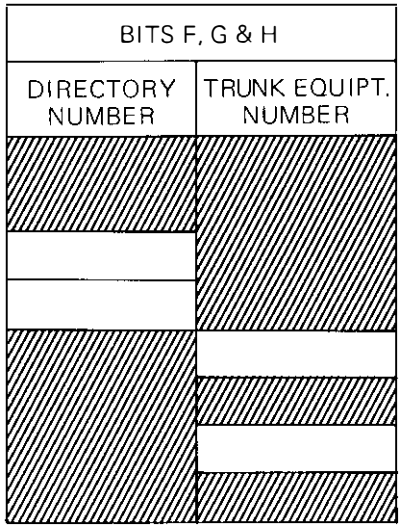

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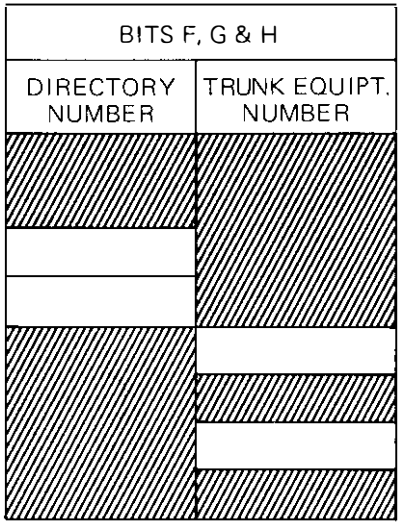

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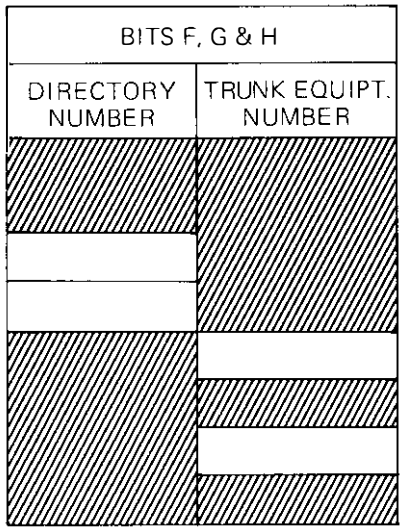

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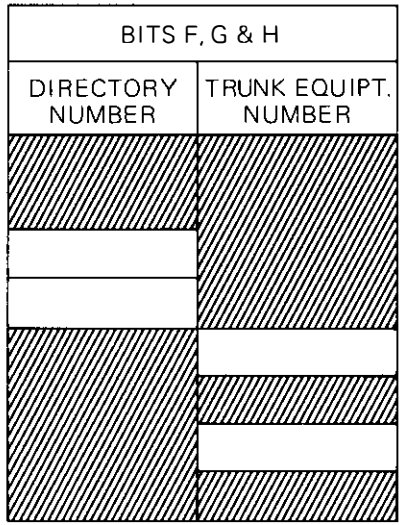

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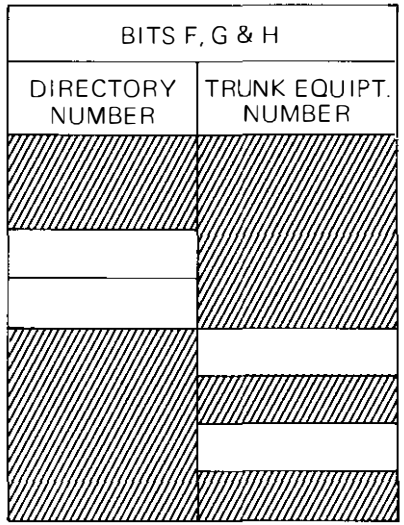

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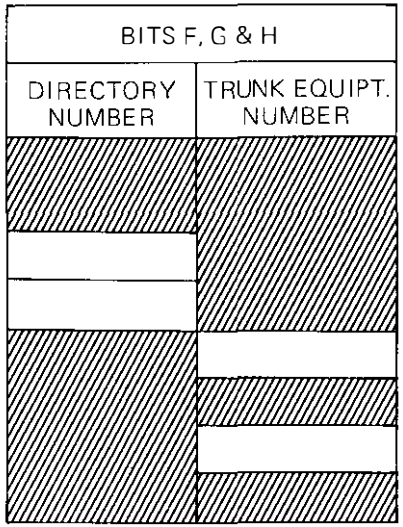

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