297-2011-213

DMS-100 Family

M5208 Meridian Business Set

Description, Installation, Operation, and Maintenance Manual

Release 02.01 Standard February 1999

NORTEL NETWORKS™

DMS-100 Family

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Chapter 1
Introduction

General description

The M5208 Meridian Business Set is designed for direct connection (through a non-loaded subscriber loop pair) to the Northern Telecom DMS–10, DMS–100, DMS–250, or Meridian SL–100 Digital Switching systems.

The M5208 is loop powered and works with a maximum loop length of 4,572 m (15,000 ft) of 26 AWG standard twisted pair telephone wires, subject to *Line Engineering Rules*, NTP 297–2011–180.

The service provided by the M5208 substitutes low-level signals over a half-duplex, above-voice band (8 kHz) signalling channel for the traditional loop signalling (dial pulse) or inband tone signalling (DTMF tones) on a conventional subscriber loop. In addition to signalling and supervision, messages on the above-voice band signalling channel include signals for implementing the many special features available on the M5208, as well as display characters.

The M5208 offers a choice of selected key and system features—it has 3 fixed keys, a dial pad consisting of 12 fixed keys, 8 programmable feature and/or directory number keys with LCD indicators, and is equipped with a speaker for alerting tones, on-hook dialing and intercom.

The alphanumeric display module is mounted at the rear top edge of the telephone and is hinged so that the viewing angle can be adjusted physically to reduce glare and maximize the contrast. The maximum display capacity of the display screen is 2 rows of 24 characters each.

Physical characteristics

Figure 3-1 shows the main components of the M5208. The set comes in three different colours:

- Chameleon-grey (Engineering code NT4X41AA)
- BTS light-grey (Engineering code NT4X41BA)
- Black (Engineering code NT4X41CA)

The Mean Time Between Failure (MTBF) for the M5208 is at least 100 years.

Other documentation

Other information pertaining to Meridian Business Sets can be found in the following documents:

297–2001–100	Integrated Business Network (IBN) —Description
297–1001–114	Operational Measurements (OM)
297–1001–250	Testing and Acceptance for Initial Installation
297–1001–310	Table Editors User Guide
297–1001–518	Operational Measurements—Man-Machine Interface
297–2011–180	DMS-100 Business Set—Line Engineering Rules
P0749049	Meridian Business Set User Guide (English/French)
P0800728	Meridian Business Set User Guide (Spanish)

Chapter 2
Specifications

The following specifications govern the performance of the M5208 Business Set and the environmental conditions under which this performance is achieved.

Environmental and safety considerations

The M5208 meets the Canadian and U.S. mandatory interconnect requirements for Telephone Equipment, CSA, DOC, UL, FCC (part 15 & part 68).

Temperature

In the *Operating State*, the M5208 temperature range is 0°C to 50°C (32°F to 122°F).

In the *Non-Operating State*, the M5208 temperature range is -20°C to 70°C (-6°F to 158°F).

Relative humidity

20% to 95% (non-condensing). At temperatures above 34°C (93°F), relative humidity is limited to 52mbar of water vapour pressure.

Electromagnetic interference

The radiated and conducted electromagnetic interference meets the requirements of Subpart J of Part 15 of the FCC rules for class B computing devices.

Atmospheric pollution

The M5208 is designed to withstand normal atmospheric conditions throughout its life and during shipment and storage as defined in the International Electromechanical Commission (IEC) document 50 (salt, mist, atmospheric dust, sulfur dioxide, and hydrogen sulfide exposure).

Vibration

The M5208 is designed to work to specifications after being subjected to the following vibrations in each of three orthogonal directions for 90 minutes:

- Vibration frequency of 5 Hz to 500 Hz
- Maximum half displacement 0.35mm (0.014 in)
- Maximum acceleration 1.5m/s/s.

Shock

When *packaged*, the M5208 is designed to withstand normal handling during shipment.

When *unpacked*, the M5208 is designed to withstand accidental dropping during normal use, without sustaining damage, as specified below:

- Telephone: when dropped on any face or corner from a height not exceeding 0.75m (30in)
- Handset: when dropped from a height not exceeding 1.5m (60in)

Line engineering

The M5208 operates to its full potential through twisted pair wiring on transmission lines selected by the rules provided in NTP 297–2011–180.

Chapter 3
Operations and features

Basic operations

The M5208 Meridian Business Set can be used to make voice calls and operate selected DMS–10, DMS–100, or Meridian SL–100 features. All supported features can be accessed using keys provided on the M5208. For further details about software requirements, refer to NTP 297–2011–100 and NTP 297–1001–310 respectively. Dial pad, DN, and feature key layout is shown in Figure 3-1.

Note that the M5208 must not be assigned as a maintenance set.

Before attempting to operate the M5208, please refer to the *M5208 Meridian Business Set User Guide*. This document is shipped with the set and contains instructions for making calls and how to use various features.

Peripheral equipment

The M5208 interfaces with the business set (6X21AC) line card in the Line Concentrating Module (LCM) of the DMS-10/DMS–100/Meridian SL-100 Central Office (CO) equipment. The 6X21AC supports one business set per line card.

Acoustics

A speaker is used for alerting tones, call monitoring (on-hook dialing) and intercom.

Power

The M5208 is entirely loop powered by a balanced 440 Ohm battery feed from the switching equipment. The switch battery voltage supplied to the loop is nominally 52 VDC with a minimum of 42.75 VDC and a maximum of 56 VDC.

The current drawn from the loop is 16 ± 1mA when the set is active. The current drawn from the loop is 10 ± 1mA when the set is inactive.

Alphanumeric display

The M5208 display screen allows access to the following features:

Called Number Display/Called Name Display

The display of the called number (or name of the party being called, when available) is always activated as dialing takes place.

Calling Number Display/Calling Name Display

The calling number (or name of the calling party, when available) for calls originating within the same switch is displayed when the first ringing tone sounds for an incoming call at the Prime DN. If the incoming call terminates at a secondary DN, the number is displayed only after lifting the receiver.

Query Time and Date

One of the feature keys must be assigned for accessing the QTD display. That key should be labelled Time/Date for easy identification.

Feature programming and usage

The display screen shows important information and prompts when using or programming M5208 features.

Description of features

The M5208 Business Set (see Figure 3-1) is characterized by the following:

- there are 15 fixed keys with no LCD indicators: Release key (1), Hold key (1), volume key (1), dialpad keys (12)
- there are eight assignable key/LCD indicator pairs.

The operation of these keys and other components is summarized in Table 3-1.

Figure 3-1
M5208 keys and other components

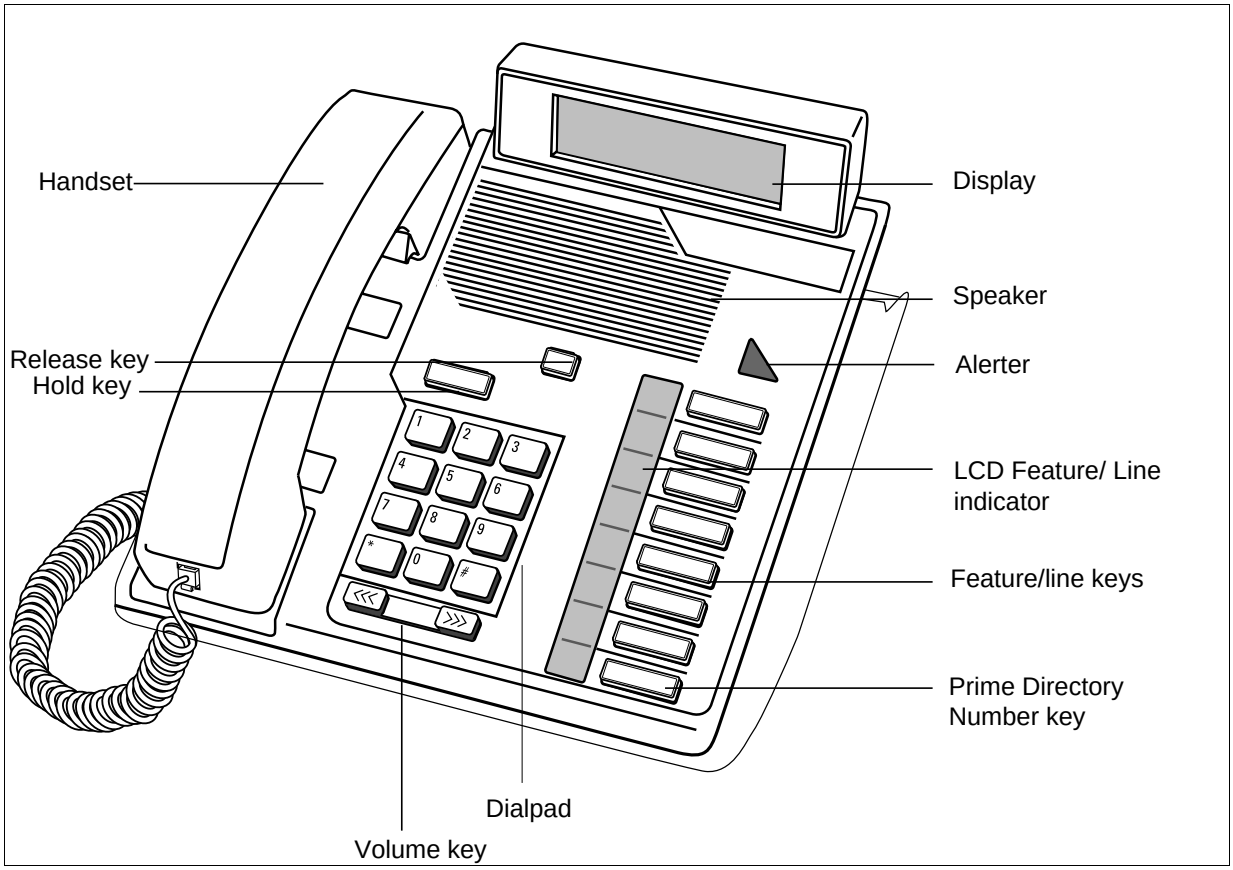


Table 3-1
Summary of M5208 keys and indicators

Key or indicator	Description
Speaker	Monitors the progress of a call without lifting the handset.
Handset	Used for talking on the phone—automatically selects the prime directory number when lifted.
Display	Shows call and installation information.
Alerter	Flashes to indicate incoming calls.
Dial pad	Used for entering numbers and the # or * keys.
Volume key	Adjusts the volume of the ring and the speaker.
Rls	Releases a call without replacing the handset.
Hold	Puts a call on hold.
8 Feature/line keys	Acts as line key or as a feature key depending upon how the set is programmed.
LCD Indicators	Indicates the status of the feature/line keys:
No half diamond (Off)	Feature or line is not active.
Steady half diamond (On)	Feature or line is active.
Slow flashing half diamond (60IPM)	Line is ringing or feature is being programmed.
Fast Flashing half diamond (120IPM)	Line is on hold .

Basic features

Every M5208 set has the basic features described below.

Automatic Prime Directory Number (PDN) selection

Allows the user to select the prime DN (i.e. the DN assigned to the first feature/line key) by going off-hook to answer a call without pressing a DN key.

On-hook dialing

Allows the user to select a line and dial the call without lifting the handset. Once the party answers, the handset must be lifted to speak.

Listen on hold

Activated by pressing the Hold key (associated LCD flashes), placing the handset back in its cradle, and re-selecting the line to be monitored (associated LCD on).

Alerting tones

Warble tone sounds when the telephone is on-hook, 500 Hz local buzzer tone sounds when the telephone is off-hook and the associated LCD indicator flashes.

Additional features

In addition to the basic features, the M5208 has a 2 row by 24 character alphanumeric display.

Features operation

The fixed keys on the M5208 Business Set provide these permanent functions:

- dialing using the dialpad
- call hold
- call release
- volume control

Dialpad

Before a call is established, no tone-feedback is provided when the dialing keys are being pressed. After a call has been established, end-to-end signalling using CO generated DTMF tones is enabled.

Hold

The hold function has two modes of operation—manual and automatic. With the user engaged in a call, the call can be put on hold either by pressing the Hold key or by pressing another DN key. In either case, the DN LCD changes from ON to *winking* and the user is free to answer or make another call.

Release

The Rls (Release) key performs a similar function as going on-hook (i.e. when pressed, it terminates a call). The DN LCD associated with the released call changes from ON to OFF, but the status of the Set remains off-hook to the switch.

Volume control

The loudness of any sound which comes through the speaker (i.e. ringing, dial tone, busy tone and on-hook monitoring) is controlled by one key with two toggle positions. Tapping the key at the right hand side increases the volume while tapping it at the left-hand side decreases it. Each time the key is pressed, the volume level changes one step, as shown on the volume bar display (there are seven volume levels).

The volume for ringing tones can only be adjusted while alerting is in progress and is automatically stored at the new level. The on-hook monitor volume level can be adjusted and automatically stored while monitoring.

If the M5208 Business Set is disconnected from the line and then reconnected, all volume settings return to the original factory default values (Mid-point setting for alerting tones and minimum setting for on-hook monitoring).

Available features

Feature key 1 is always assigned to the Prime Directory Number (PDN). If more than one Directory Number (DN) is available, additional feature keys can be assigned to these DNs progressing from feature key 1 to feature key 2 and so on. Any remaining feature keys can be assigned a subset of a number of features. Examples of some of the available features are given as follows:

- Automatic Dial (AUD)
- Automatic Line (AUL)
- Busy Override (EBO)
- Call Forward (CF)
- Call Park (PARK)
- Call Pickup (CPU)
- Call Waiting (CWT)
- Directed Call Park (DCP)
- Directory Numbers (DN)
- Group Intercom (GIC)
- Individual Business Line
- Intercom (ICM)
- Make Set Busy (MSB)
- Malicious Call Hold (MCH)
- Message Waiting (MWT)
- Multiple Appearance Directory Numbers (MADN)
- Privacy Release
- Ring Again (RAG)
- Set Busy Indicator (SBI)
- Speed Calling (SCS, SCL, or SCI)
- 3-way Calling/Call Transfer (TWC/CXR)
- 6-port Conference (CONF 6)

Local tones

A locally generated buzzer (500 Hz) tone is utilized for call waiting and off-hook alerting. All other telephony tones are provided by switching equipment from a Tone Card.

Switch generated tone characteristics

The various tones heard on the M5208 are defined in Table 3-2.

Table 3-2
Switch generated tones

Tone	Characteristic
Ringing	Interrupted warble tone, typically 2 seconds on, 4 seconds off.
Busy	Interrupted tone, 1 second on, 1 second off.
Call Waiting	Short burst of buzzer (500 Hz), 10 second intervals.
Confirmation	Three short bursts of tone, not repeated. This tone informs the user that the feature requested has been implemented. This tone is present only when the feature access code is dialed.
Dial	Continuous tone consisting of 2 frequencies.
Reorder	Interrupted tone, 1/2 second on, 1/2 second off. This tone informs the user of unavailable feature, all trunks busy, illegal code, etc.
Ring Again	Sort burst of buzzer tone (500 Hz) once only to inform the user that the previously busy station opt trunk line is now free.
Special Dial	Three short bursts of dial tone, followed by a continuous dial tone. This tone informs the user that the dialed features (e.g. call forwarding) has been activated and further digits can now be dialed.

Chapter 4
Installation

Installing the M5208

Before installing the M5208, check the package contents and cables, as described below. To install the M5208, follow procedure 4-1. If the M5208 needs to be mounted on the wall, follow procedure 4-2.

Unpacking or packing

Use proper care while unpacking any M5208 set. Check for damaged containers so that appropriate claims can be made to the transport company for items damaged in transit.

If a telephone must be returned to the factory, make sure it is packed in its original container to avoid damage during transit. Remember to include all loose parts in the shipment (e.g. cords and handset).

Cables

CAUTION
Polarity Sensitivity
Cable connections for the M5208 are polarity sensitive.
A polarity reversal will cause the set to fail.

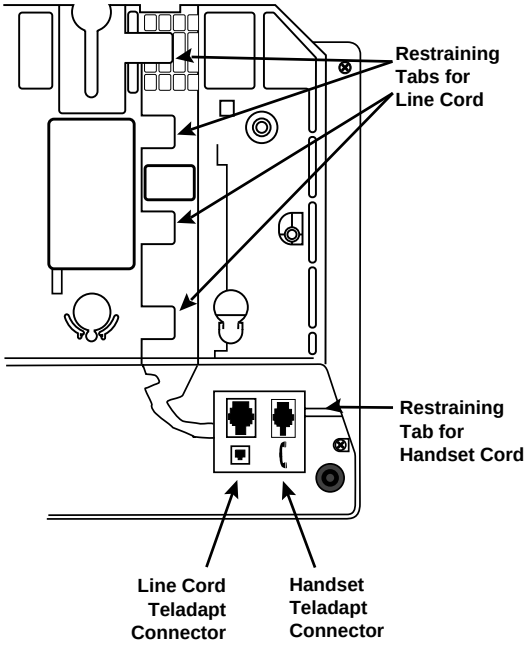
Installation requires you to plug in cords to the Teladapt jacks that are accessible in the base of the telephone. Cord restraining tabs are provided for security. Make the necessary connections to the Teladapt connecting block (Tip [+] green lead and Ring ([-] red lead), and plug the line cord into the Teladapt jack. Continue with the installation instructions provided on the following page.

The required jack is an RJ11 c/w.

Procedure 4-1
How to install the M5208

Step	Action
1	Place the telephone in the work area (close to line cord connecting block/wall jack) upside down on soft, solid, and level work surface to prevent damage to movable keys and the telephone face.
2	Connect the handset cord 4-conductor Teladapt connectors to the handset and to the telephone. The Teladapt connectors have a latch-tab which ensures correct alignment and prevents the cord from being pulled out inadvertently during service. Make sure that this latch is firmly snapped into place.
3	After connecting the handset cord to the connector in the base of the set, route the cord through the channel provided and past the restraining tabs in the base of the telephone (see Figure 4-1).
4	Connect the line cord to the connector in the base and push it under the restraining tabs in the line cord channel of the telephone base.

Figure 4-1
M5208 bottom view



—continued—

Procedure 4-1
How to install the M5208 (continued)

Step	Action
5	Turn the telephone right side up and place it into its final position.
6	Remove the number lens by inserting a paper clip end into the hole at the side and pop off the plastic lens. Print the directory number on the designation card and insert it into the lens recess. Snap the plastic lens back into place.
7	Designate button labels for key designations.
8	Fold the labels, insert them into the plastic button covers, and snap each button cover over the appropriate feature/line key. Press down on each key until the button cover fits in place.
9	Insert the other end of the line cord into the wall jack and make sure it has been securely snapped into place.
10	Wait a minimum of 20 seconds to allow for proper power-up before using the Meridian Business Set. This completes the installation. If the set must be prepared for mounting on a wall, follow Procedure 4-2.

—end—

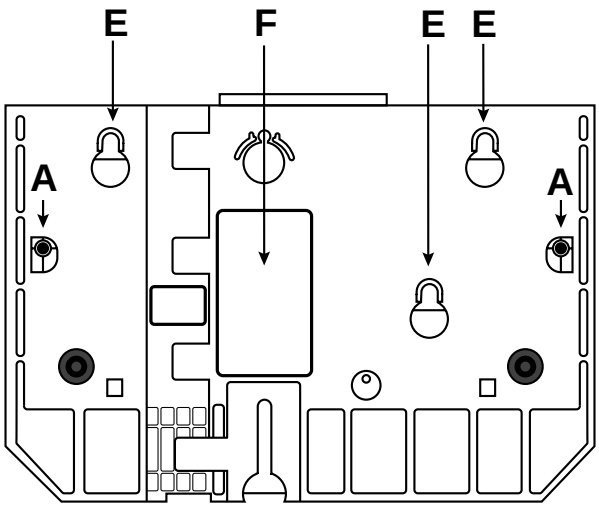
Wall mounting the M5208

Your telephone set has been prepared at the factory for use on your desk. If you require the set to be positioned on a wall, follow procedure 4-2.

Procedure 4-2
How to mount the M5208 on the wall

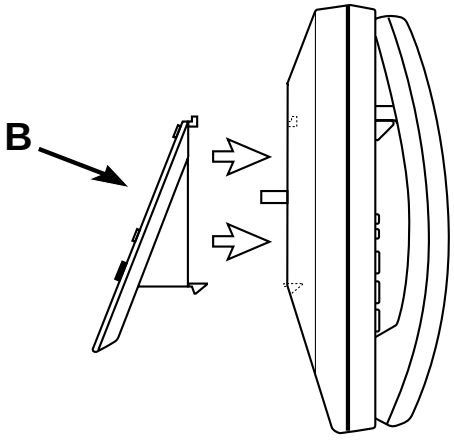
Step	Action
1	Turn the telephone set upside down and locate the two screws (A) in the wedge-shaped base as shown in Figure 4-2. Remove the screws from the base and set them aside.
2	Pull off the wedge-shaped base from the telephone set.
3	If the set is to be connected to a line cord connecting block mounted on the wall, push out the knock-out section in the base (F) as shown in Figure 4-2.

Figure 4-2
M5208 wall mounting locations



—continued—

Procedure 4-2
How to mount the M5208 on the wall (continued)

Step	Action
4	Reposition the wedge-shaped base (B) as shown in Figure 4-3. Press the base firmly into the bottom of the set until the plastic tabs have clicked into place. **Figure 4-3** **M5208 base attachment** 
5	Reinsert the two screws into the screw mounts shown in Figure 4-2. Tighten the screws until the wedge-shaped base is seated securely into the bottom of the set. Do not over tighten the screws as this may cause the plastic to crack.

—continued—

Procedure 4-2
How to mount the M5208 on the wall (continued)

Step	Action
6	Position the handset retainer (C) into the handset cradle, as shown in Figure 4-4. The handset retainer is included in the small package of plastic key caps which accompanies your telephone set. Insert the two plastic tabs (D) on the retainer into the two holes provided. Press firmly until the retainer clicks into place.
7	Attach the telephone set to a standard wall bracket using the mounting holes (E) provided on the wedge-shaped base, as shown in Figure 4-2. Once mounted on the wall bracket, the telephone set should hang flush to the wall, as shown in Figure 4-5. Note that the knock-out section removed in step 3 allows enough space to accomodate the line cord connecting block, if present.

Figure 4-4
Handset retainer installation

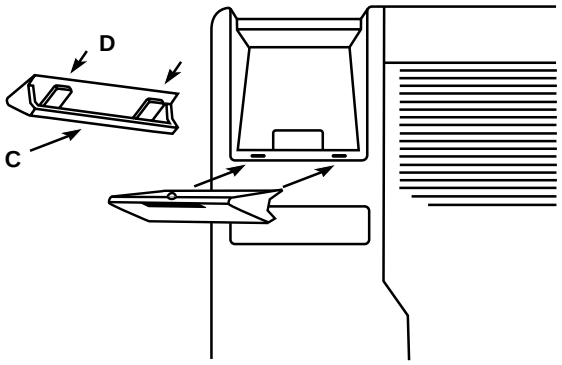
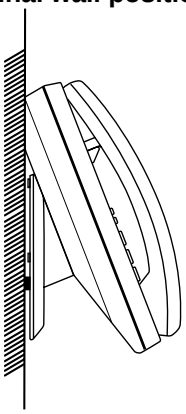


Figure 4-5
Final wall position



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Chapter 5
Verification procedures

Verification test routines

This chapter describes M5208 maintenance and the following acceptance tests:

- Loop check
- Polarity check
- Station Ringer test

If the criteria outlined in the *Line Engineering Rules*, 297–2011–180, are observed, impulse or background noise and crosstalk compatibility problems are unlikely to occur.

Before attempting to establish a communication path to another telephone and to verify the enabled features, perform the loop check and check the Tip/Ring polarity.

Maintenance

Maintenance of the Meridian Business Set is limited to replacement of the set and/or other field replaceable items as itemized in Chapter 6 “Replacement Parts”.

Loop check

Loop and linecard tests must be performed at the switching equipment (refer to *Line Engineering Rules*, 297–2011–180). It is assumed that loops and linecards have been checked prior to the installation of any business sets.

Verify that the loop resistance is ≤ 1230 Ohm and that the loop loss is ≤ 24 dB at 8 kHz.

Polarity check

The M5208 is polarity sensitive. If problems arise when the set is to be put into service, follow Procedure 5-1.

Procedure 5-1
How to verify the polarity

Step	Action
1	If the set does not respond (no dial tone) after 20 seconds, check polarity of the tip and ring leads (tip +, ring –).
2	If the tip and ring lead reversal does not solve the problem, restore tip and ring to original polarity and change the set.

Station Ringer test

The Station Ringer test (SRT) tests the hardware of the M5208 Business Set and can be performed by the installer or repairman at the site with no involvement of Central Office personnel.

No incoming calls can be received for the duration of a Station Ringer test. In order to prevent prolonged line blockages, this test is limited to a 7 minute interval after which the line is automatically restored to normal and the test terminated.

Once the test has terminated, the system does not attempt to restore any LCD to its pre-test state. The LCDs are OFF at the end of the test, with features in the same state as before the test. A background audit restores all feature indicators at its next occurrence (audit intervals are switch and load related). Any newly activated features after termination of the test procedure are indicated normally.

Use Procedure 5-2 to conduct the test. The action to follow, the key to press, or the switch to operate is shown in the *Action or key/switch operated* column. The response must be as described in the *Response* column. LCD and key numbering are shown in Figure 5-1 (note that Key and LCD designations are for testing purposes and are not marked on the keys or LCD windows). The column *Message* indicates the messages generated to produce the correct response.

Procedure 5-2
How to perform the Station Ringer test

Step	Action or key/switch operated	Response	Messages
1	Handset ON-hook. Press PDN key and dial STR (access code) using on-hook dialing.	All LCD's ON	LCD indicator ON
	Note: All LCD indicators should be off before you start the test. access code. The 3-14 digit access code consists of a one to seven digit number (which is assigned by the telephone company according to local preferences) followed by the last two to seven digits of the PDN assigned to the telephone to be tested. In North America, the access code usually consists of the number 57, followed by the last five digits of the PDN. If the required digits are dialed incorrectly, a Reorder tone sounds which makes it necessary to press the Release key and start again. If all digits are correct, all LCD indicators on the set light up.		
2	Handset OFF-HOOK	All LCDs FLASH	LCD indicator FLASH
3	Handset ON-HOOK	All LCDs WINK	LCD indicator WINK
4	Handset OFF-HOOK	All LCDs ON	LCD indicator ON
5	Handset ON-HOOK	All LCDs OFF	LCD indicator OFF
6	Dial Pad key 1	LCD 1 ON	Soft Reset, LCD ON
7	Dial Pad key 2	LCD 2 ON	Soft Reset, LCD ON
8	Dial Pad key 3	LCD 3 ON	Soft Reset, LCD ON
9	Dial Pad key 4	LCD 4 ON	Soft Reset, LCD ON
10	Dial Pad key 5	LCD 5 ON	Soft Reset, LCD ON
11	Dial Pad key 6	LCD 6 ON	Soft Reset, LCD ON
12	Dial Pad key 7	LCD 7 ON	Soft Reset, LCD ON
13	Dial Pad key 8	LCD 8 ON	Soft Reset, LCD ON
14	Dial Pad key 9	LCD 1 & 8 ON	Soft Reset, LCD ON
15	Dial Pad key 0	LCD 2 & 8 ON	Soft Reset, LCD ON
16	Dial Pad key •	All LCDs ON	Soft Reset, LCD ON
17	Dial Pad key £	All LCDs 1 OFF	Soft Reset, LCD ON
18	Feature key 1	LCD 1 ON	Soft Reset, LCD ON
19	Feature key 2	LCD 2 ON	Soft Reset, LCD ON
20	Feature key 3	LCD 3 ON	Soft Reset, LCD ON

—continued—

Procedure 5-2
How to perform the Station Ringer test (continued)

Step	Action or key/switch operated	Response	Messages
21	Feature key 4	LCD 4 ON	Soft Reset, LCD ON
22	Feature key 5	LCD 5 ON	Soft Reset, LCD ON
23	Feature key 6	LCD 6 ON	Soft Reset, LCD ON
24	Feature key 7	LCD 7 ON	Soft Reset, LCD ON
25	Feature key 8	LCD 8 ON	Soft Reset, LCD ON
26	RELEASE key	LCD 2 & 8 ON	Soft Reset, LCD ON
27	HOLD key	Dial tone, LCDs 1 –5 ON	Soft Reset. Turn on TIP/Ring to Speaker. LCD ON
28	Vol UP	Volume up	None (Test Voice Volume control)
29	Vol DOWN	Volume down	None (Test Voice Volume control)
30	Handset OFF-HOOK	Dial tone from Handset only. All LCDs FLASH.	Turn on TIP/Ring to Speaker. Turn on Handset. LCD FLASH.
31	Handset ON-HOOK	Dial tone switches to Handsfree speaker. All LCDs WINK.	Turn on TIP/Ring to Speaker. Turn off Handset. LCD WINK.
32	HOLD key	1 second buzz (500 Hz). LCDs 6–8 ON.	Turn On/Off Alert B, LCD ON.
33	HOLD key	Ringing. All LCDs OFF.	None (Ring tone from CO).
34	Vol UP	Volume up	None (Test Ring Volume control.

—continued—

Procedure 5-2
How to perform the Station Ringer test (continued)

Step	Action or key/switch operated	Response	Messages
35	Vol DOWN	Volume down	None (Test Ring Volume control.
36	HOLD key	LCD 1–8 ON. 10/10 is shown on the LCD display.	Soft reset

Note: When the Hold key is pressed, the LCD indicators for keys 2,3, and 4 flash for approximately 2–4 seconds. This indicates that a circuit test is running. No keys can be operated during this time as this may cause test failure. When the circuit test is completed, 10/10 is displayed in the display screen in most cases. The numbers depend upon the CO parameter table and may vary from 10 to 50; however, the number to the left of the slash should equal the number to the right. If the indications are as described above, the test has passed. A test failure is indicated when the following occurs:

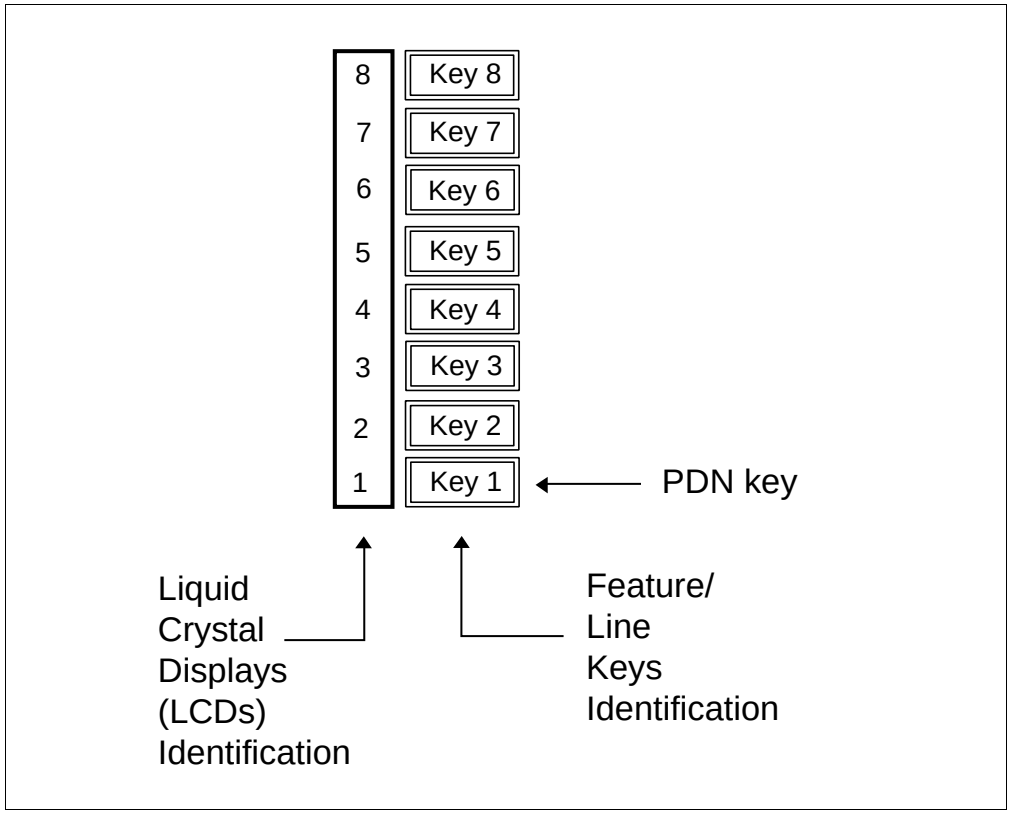
- the two numbers are not equal
- only the LCD indicators for keys 1, 2, and 8 are ON
- LCD indicators for keys 1, 2, and 8 wink

(press the Hold key again to repeat the SRT.

37	HOLD key	Display is cleared	Hard reset

—end—

Figure 5-1
Feature/line key and LCD assignments



Chapter 6
Replacement parts

The M5208 has few field replaceable parts. The handset, handset cord, line cord equipped with Teladapt connectors, key lenses and labels can be changed. If a set fails to function properly, or if mechanical breakage occurs, do not attempt to effect repairs in the field. Return the unit to the manufacturer using the original packing materials.

Table 6-1
Ordering information

Description	Ordering code	Engineering code
Meridian M5208 Basic Business Set, Chameleon-grey, made in Australia	B0240402	NT4X41AA
Meridian M5208 Basic Business Set, BTS light-grey, made in Australia	B0240403	NT4X41BA
Meridian M5208 Basic Business Set, Black, made in Australia	B0240404	NT4X41CA
Meridian M5208 Basic Business Set, Chameleon-grey, made in Canada (Brocktel)	B0246071	NT4X41KA
Meridian M5208 Basic Business Set, BTS light-grey, made in Canada (Brocktel)	B0246072	NT4X41LB
Meridian M5208 Basic Business Set, Black, made in Canada (Brocktel)	B0246073	NT4X41MC
Meridian M5208 Basic Business Set, Chameleon grey, made in Australia (OZ OPTUS)	B0242907	NT4X41DA
Meridian M5208 Basic Business Set, BTS light-grey, made in Australia (OZ OPTUS)	B0242908	NT4X41EA
Meridian M5208 Basic Business Set, Black, made in Australia (OZ OPTUS)	B0242909	NT4X41FA
—continued—		

Table 6-1
Ordering information (continued)

Description	Ordering code	Engineering code
Meridian M5208 Basic Business Set, Chameleon-grey, made in Australia (OZ TELSTRA)	B0242922	NT4X41GA
Meridian M5208 Basic Business Set, BTS light-grey, made in Australia (OZ TELSTRA)	B0242923	NT4X41HA
Meridian M5208 Basic Business Set, Black, made in Australia (OZ TELSTRA)	B0242924	NT4X41JA
Card, Key Button Labels (English/French)	P0749551	P0749551
Card, Key Button Labels (Spanish)	P0744292	P0744292
M5208 Documentation package	B0240550	NT4X4160
M5208 Documentation package(OZ OPTUS)	B0242934	NT4X4170
M5208 Documentation package (OZ TELSTRA)	B0242939	NT4X4180
Handset assembly (Chameleon grey) for NT4X41AA	A0358849	NT0C09EE-35
Handset assembly (BTS light- grey) for NT4X41BA	A0358850	NT0C09EE-93
Handset assembly (Black) for NT4X41CA	A0388557	NT0C09EE-03
Handset cord, 2.5m (8 ft) long (Chameleon grey) for NT4X41AA	A0327131	NE-H4DUQC-35
Handset cord, 2.5m (8 ft) long (BTS light-grey) for NT4X41BA	A0327132	NE-H4DUQC-93
Handset cord, 2.5m (8 ft) long (Black) for NT4X41CA	A0327133	NE-H4DUQC-03
M5008/M5208 Base, Chameleon grey	P1013535	
M5008/M5208 Base, BTS light-grey	P1013593	
M5008/M5208 Base, Black	P1013503	
M5008/M5208 Cover, Chameleon grey	P0799735	
M5008/M5208 Cover, BTS light-grey	P0799793	
M5008/M5208 Cover, Black	P0799703	
Key cap set	B0240554	NT4X4061
Line cord, silver-grey, 1,84 m (6 ft) long	A0346862	NPS50318-04L02
—end—		

DMS-100 Family

M5208 Meridian Business Set

Description, Installation, Operation, and Maintenance Manual

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