

SERIES 8000

# Harmony\*

Telephone Set

## Installation Guide



### IMPORTANT

This booklet contains easy step-by-step assembly procedures; to ensure trouble-free installation, please follow these instructions carefully.

**nt** northern  
telecom

### Load Number

The load number of this Harmony telephone is 10A. Load numbers are a new concept designed to help you determine how many telephones can be connected to any one telephone line. The total of the load numbers for all the telephones connected to any one line should not exceed 100. An alphabetic suffix is also specified to indicate the appropriate ringing type (A or B).

Since load numbers are new, you may not know what the load numbers are for your previous telephones. It is usually safe to assume that the load numbers for standard telephones will be about 20. This means that there should be no problems with up to five standard telephones on one line.

If the maximum total load number of 100 is exceeded, the telephones on that line may not ring or may ring poorly. In addition, you may not be connected to the calling party when you pick up the receiver or may have dialling problems.

If you experience the above problems after the addition of a telephone to your line, you may have exceeded the maximum total load number of 100. In this case, you must disconnect one of the telephones to reduce your total load number below 100.

## INTRODUCTION

The new Series 8000 Harmony single-line telephone set is designed and manufactured with care by the craftsmen of Northern Telecom. Once installed, this compact, versatile unit will give you many years of pleasurable and reliable service. The easy-to-follow instructions in this installation guide **must** be carried out in correct sequence to ensure proper operation of your set; read each step carefully and retain this information for future reference.

**CAUTION:** To eliminate the possibility of accidental damage to cords, plugs and jacks, do not use tools or sharp instruments during these assembly instructions.

**Note:** To ensure proper operation of the set, always check that the handset and line cord plugs are properly inserted in the base. This precaution applies to handset, desk-top and wall-mount installation procedures.

## INDEX

	Page
Introduction.....	2
Installing the HARMONY Telephone .....	3
Handset Installation .....	4
Desk-Top Application .....	5
Wall-Mount Application .....	6
Method A (Wall-Mounting) .....	6
Method B (Wall-Hanging) .....	8
Number Card Installation .....	9
Care and Use.....	10
Department of Communications Notice.....	11
Method of Connection.....	11
Load Number.....	12

## INSTALLING THE HARMONY TELEPHONE

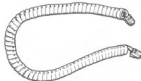
**IDENTIFY PARTS.** Packed separately within the carton you will find all supplied items which are to be attached to the telephone set throughout these instructions. Remove each item from its protective packaging before beginning the installation procedures. (The wall-mount components shown below, are optional items which are available in kit form from your telephone company.)



HANDSET



LINE CORD



HANDSET CORD



NUMBER CARD and PLASTIC COVER

### Optional Wall-Mount Kit



1. WALL-MOUNT  
BRACKET ASSEMBLY




2. PLUNGER  
INSERT

3. TIE-WRAP

## HANDSET INSTALLATION

### STEP 1

- Place the telephone set base up on a flat, soft surface as shown in Fig. A.
- Carefully slide the plug at either end of handset cord into the **right-hand jack** (symbol ) provided at the recessed base location shown in Fig. A.
- Ensure plug is properly inserted (audible click) and installed in the correct recessed base jack.

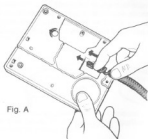



Fig. A

### STEP 2

- **Before proceeding**, check that the handset cord plug is installed in the **right-hand jack** (  ); see Fig. A.
- Beginning at the installed plug end, route the handset cord along the base channel indicated in Fig. B.
- Press the handset cord firmly into the channel. Continue fitting cord into channel until edge of base is reached.

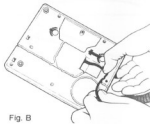


Fig. B

### STEP 3

- Grasp the handset and the opposite end of the handset cord as shown in Fig. C.
- Fully insert the plastic plug at the end of cord into the jack located at end of handset. (An audible click indicates the plug is properly inserted.)

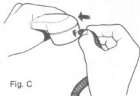


Fig. C

### STEP 4

- A properly installed handset is shown in Fig. D.
- Note:** Handset cord attachment is required for all desk-top and wall-mount user applications of the set.

**WARNING:** Do NOT insert the plug at the free end of the handset cord directly into a wall or baseboard jack. Such misuse may result in unsafe sound levels.

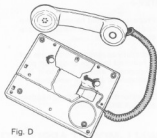



Fig. D

## DESK-TOP APPLICATION

### STEP 1

- Complete HANDSET INSTALLATION, Fig. A to D.

### STEP 2

- With the telephone set positioned as shown in Fig. E, carefully slide the plug at either end of line cord into **left-hand jack** (symbol ) provided at the recessed base location indicated. (An audible click indicates the plug is properly inserted.)

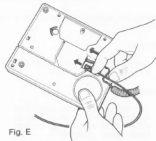


Fig. E

### STEP 3

- Beginning at the installed plug end, route the line cord along the base channel shown in Fig. F.
- Press the line cord firmly into the channel. Continue fitting cord in channel until edge of base is reached.

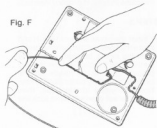
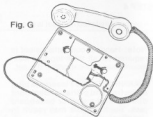


Fig. F

#### STEP 4

- Properly installed handset and line cords for a desk-top installation are shown in Fig. G.
- Place fully assembled telephone set in required location and insert plug at opposite end of line cord into baseboard or wall jack receptacle.
- Check for dial tone by lifting handset off-hook and listening.

Fig. G



## WALL-MOUNT APPLICATION


### METHOD A — TO AN INSTALLED WALL-MOUNTING PLATE (If no wall-mounting plate, see METHOD B following)

**Note:** The optional wall-mount kit is required and must be ordered separately; see page 3.

#### STEP 1

- Complete HANDSET INSTALLATION, Step 1 and 2, Fig. A and B.

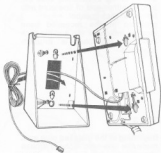
#### STEP 2

- With the telephone set positioned as shown in Fig. E, insert plug at either end of line cord into the **left-hand jack** (symbol ) provided at the recessed base location indicated. (An audible click indicates the plug is properly inserted.)

#### STEP 3

- Orient the set as shown in Fig. H and route the line cord through the centre opening in the bracket. Attach the wall-mount bracket to the set by placing both screw-heads on the bracket mounting posts into the keyholes provided in the base, then push the set downwards to lock the

Fig. H

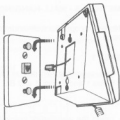


screw-heads into the top section of both keyholes. Using the tie-wrap, coil the excess line cord length and place it into the cavity of the installed bracket; leave approximately 7.5 cm (3 in.) of cordage to reach the wall jack receptacle of the mounting plate.

#### STEP 4

- Plug the line cord into the wall jack receptacle. Align the keyholes on the back of the wall-mount bracket with the studs on the mounting plate (Fig. I). Push the telephone set and wall-mount bracket assembly in and down until the studs of the mounting plate lock into the top section of both keyholes.

Fig. I



#### STEP 5

- Install plunger insert tabs into the matching holes of the gray plunger in the handset recess (Fig. J).

Fig. J



#### STEP 6

- Connect the handset as shown in Step 3, Fig. C.
- Place handset on-hook using method illustrated in Fig. K; ensure notch under receiver end of handset is engaged on plunger insert **before** releasing handset.
- Check for dial tone by lifting handset off-hook and listening.

Fig. K



## METHOD B - WALL-HANGING (No installed mounting plate)

**Note:** The optional wall-mount kit is required and must be ordered separately; see page 3.

### STEP 1

- Complete HANDSET INSTALLATION, Steps 1 and 2, Fig. A and B.

### STEP 2

- Using the wall-mount bracket as a template, mark four screw hole locations on the wall (Fig. L). Check to ensure that the line cord reaches the required baseboard or wall jack receptacle to be used.

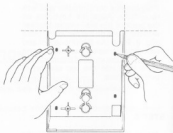


Fig. L

### STEP 3

- Drill holes where marked and insert plastic plugs, or equivalent, into wall holes. Place the bracket back into position, then insert and tighten all four screws.

### STEP 4

- Route the line cord through the bottom opening in the bracket (Fig. M). Using the tie-wrap, coil the excess line cord length and place it into the cavity of the installed bracket. Ensure that there is sufficient cordage to reach the required baseboard or wall jack receptacle. Align both screw-heads on the bracket mounting posts with the keyholes provided in the base of the set, then push the set in and down to lock the screw-heads into the top section of both keyholes.

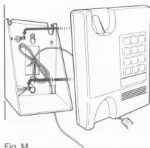


Fig. M

### STEP 5

- Plug the line cord into the required baseboard or wall jack receptacle.

### STEP 6

- Complete Steps 5 and 6 (Method A).

## NUMBER CARD INSTALLATION

The number card and plastic cover are packed separately within the carton. (Your telephone company may have installed these items for you.)

### To insert the Number Card and Plastic Cover

#### STEP 1

- Type or print your area code and telephone number clearly on the card and place the card into position in the recessed slot below the dial (Fig. N).

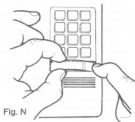


Fig. N

#### STEP 2

- Insert one end of the plastic cover into the number card slot. Bend the plastic cover up slightly allowing the free end to slip into the card slot (Fig. N). Release. The cover is automatically locked in place.

### To remove the Number Card

#### STEP 1

- Insert a straightened paperclip (or equivalent) into the hole at one end of the plastic cover (Fig. O).



Fig. O

#### STEP 2

- Push toward the opposite side until the cover is bowed up enough to grasp with your thumb and forefinger. Remove the plastic cover and number card.

## Care and Use of your Harmony Telephone Set

### Keeping your telephone in good working order....

- Since your telephone is an electrical device you should avoid installation near a bathtub or in other wet locations.
- Plastic surfaces of the phone and the cord may be wiped clean using a soft cloth dampened only with a mild, non-abrasive detergent solution.

### Adjusting the tone alerter volume....

Located on the right side of the telephone base is a two-position slide control (Fig. P) for adjusting the tone alerter volume. Simply move the control to the high or low volume position. For high volume, move the slide control towards the top of the set; the opposite position provides low volume.

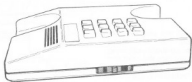


Fig. P

LOW VOLUME ↔ HIGH VOLUME

### Unattended off-hook position (wall-mount) ....

If you wish to leave the telephone during a conversation without hanging up, Harmony has been designed with a convenient feature as shown in Fig. Q.



Fig. Q

## Department of Communications Notice

**NOTICE:** The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an approved method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified jack-plug-cord ensemble (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Existing telecommunications company requirements do not permit their equipment to be connected to customer-provided jacks except where specified by individual telecommunications company tariffs.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

**Caution:** Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

## Method of Connection

The method of connection approved for this equipment as designated by D.O.C. document CS-03 is a CA11A or CA11W connection arrangement. The A or W suffix indicates that either desk or wall mounting is approved.