

# Stromberg-Carlson Telephones



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Telephone ordering is as easy as one, two, three. For example, let's order a white message-waiting telephone with a straight-line ringer from page 7.

one	type of telephone	S-C 500Y
two	ringer	WA
three	color	White

which gives us: S-C 500Y WA White.

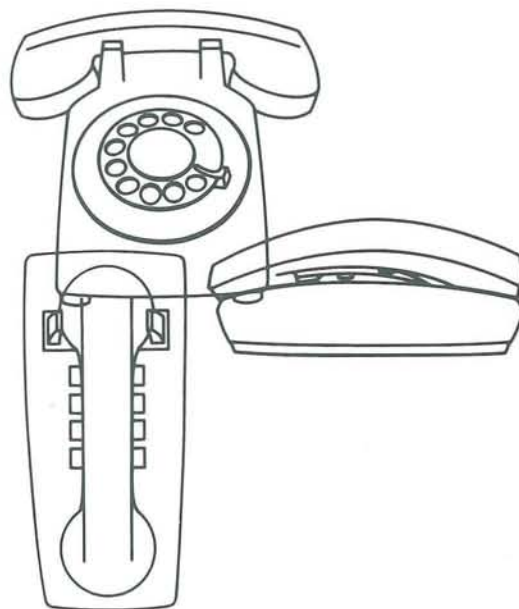
And if your special requirement isn't listed, add a note such as "separate ring and talk," "ringer installed," or "manual" for a manual phone with a dial blank.



*Lower maintenance costs.* Stromberg-Carlson manufactures telephones that give you longer trouble-free service and will reduce your operating expenses. Every component we use fulfills exacting design requirements: they must operate over a wide range of environmental conditions and do so through a long service life; each component must coordinate with every other component in the telephone set and with your switching equipment. The result—superior instruments such as the 500+.

*More revenue.* Important words in these days of rising costs and declining profits. So we created colorful, effective promotional programs that help you increase revenues by selling premium-priced main station and extension services. With the Stromberg-Carlson line of selling aids, you can exploit the opportunities in your market by offering the wide variety of subscriber needs: color, fashion, convenience, and so on.

*Complete range of telephones.* For application in home or office, they satisfy the needs and desires of your subscribers. Includes everything from the sculptured beauty of a SLENDERET telephone to our broad selection of functional and convenient multiline key phones.









# SLENDERET Telephones

Revenues grow with exciting new concepts like the SLENDERET telephone. It's loaded with subscriber benefits and is easily the most important innovation since phones in color. The handset has everything for easy calling: a lighted dial right in your hand, and a recall button that does away

with hookswitch fumble between calls. The slim base tucks neatly over, under, or into the tightest spots and the trim handset works with either desk or wall bases, saving you inventory costs.

The SLENDERET telephone is a practical, time-saving investment for

your business accounts. At the same time, it is the 'fashion phone' to home subscribers. And for you, it can be a highly successful revenue producer. We've developed a comprehensive merchandising program that will help you sell dial-in-handset service.

**Easy to use, easy to sell, SLENDERET telephones are easy to order. Specify:**

**1. Handset (with color matching 5½ foot cord)**

Rotary-Dial	S-C 220A
TONE-DIAL	S-C 2220B

**2. Base**

Desk with 6-foot line cord and straight-line ringer	S-C AD1
Less Ringer†	S-C AD1-LR
Wall base with straight-line ringer	S-C AC1
Less Ringer†	S-C AC1-LR

**3. Color (handset, base, and cords)**

Beige, ivory, white, yellow, green, blue, turquoise, pink, red, gray, or black (page 13).

**ORDERING EXAMPLE**

When ordering, specify (1) handset, (2) base, (3) color; e.g., S-C 2220B Blue.  
S-C AD1 Blue.

**Plus, these convenient accessories**

**Optional handset cords**

Usable length: 9 feet	S-C H5AA-9
Usable length: 13 feet	S-C H5AA-13

**Optional line cords**

Length: 9 feet	S-C D5AL-9
Length: 13 feet	S-C D5AL-13
Length: 25 feet	S-C D5AL-25

Dial-light transformer	897537-000
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Adapter to mount wall base to a standard ac outlet box	S-C 155A
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Backboard-universal wall mounting	SE-182B
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Polarity guard for TONE-DIAL telephones	206291-311
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†For frequency selective ringing use S-C 1686 externally mounted, see page 21.







# The 500+

The 500+ are outstanding examples of the synergistic effect of highest quality components. We build everything with added care to ensure that you get the best possible telephone. Year in and year out, the dial will work

quietly, reliably. Epoxy coated capacitors plus double moisture protection are an exclusive with the 500+ network. And the handsets offer exceptional transmission and reception capabilities. Every handset is light-

weight, even in the black model. Another exclusive feature is the 500+ ringer designed for DDD identification. The extra quality in each part adds up to give you longer service and lower operating expenses.

## 1. TYPE OF TELEPHONE

	Desk	Wall
Single line.	S-C 500D	S-C 554B
Single line, for superimposed ringing. <sup>†</sup>	S-C 501D	S-C 556B
Single line, lift-to-talk.	S-C 500F	S-C 554F
Single line, message waiting.	S-C 500Y	S-C 554Y
Single line, manual exclusion.	S-C 502B	S-C 552B
Single line, push-to-signal.	S-C 508B	S-C 551B
Two-line, push-to-signal.	S-C 510B	S-C 553B
Two-line with hold, push-to-signal.	S-C 575B	S-C 550B

## 2. RINGERS

STRAIGHT-LINE	HARMONIC	SYNCHROMONIC	DECIMONIC
WA—Gong Ringer	*F-33½ cps	*K-30 cps	*I-20 cps
T—Tone Ringer	*G-50 cps	*L-42 cps	*J-60 cps
B—Buzzer	*H-66½ cps	*M-54 cps	*K-30 cps
	*E-16½ cps	*P-66 cps	*Q-40 cps
	*N-25 cps	*R-16 cps	*G-50 cps

\*Replace asterisk with N when volume control is not required; with W when volume control is required.

## 3. COLOR

The 500+ is available in a complete range of colors: ivory, beige, gray, turquoise, blue, pink, yellow, green, red, black, or white (page 13).

## ORDERING EXAMPLE

When ordering, specify (1) the telephone, (2) ringer and (3) color; e.g., S-C 500F WK Red.

## CONVERSION AND REFURBISHING KITS

(specify color)

Convert to 2500 style: housing, TONE-DIAL assembly, and square cover plate.

Converts and refurbishes: same as COK-2500TD plus handset and cords.

Convert to 500 style TONE-DIAL telephone: TONE-DIAL assembly, and round adapter plate.

Convert and refurbish to 500 style TONE-DIAL telephone: same as COK-500TD plus housing, handset, and cords.

Refurbish 500 style TONE-DIAL telephones: housing, handset, dial adapter plate (round), number card cover, and cords.

Refurbish all standard 500 rotary-dial telephones: housing, handset, number plate, and cords.

Refurbish K-500 and K-554 rotary-dial telephones: housing, handset, dial number plate, plastic fingerwheel, station number card, number plate gasket, finger stop, clamp plate, transmitter cup, and cords.

Desk	Wall
COK-2500TD	
CRK-2500TD	
COK-500TD	COK-500TD
CRK-500TD	CRK-554TD
ROK-500TD	ROK-554TD
ROK-500D2	ROK-554D2
ROK-500D1	ROK-554D1

<sup>†</sup>Includes ringer









AREA CODE 716 482-2200



# 2500 TONE-DIAL Telephones

Your customers get faster, more reliable dialing and you get the excellence of Stromberg-Carlson components. Inside those distinctively

styled housings, each part works to reduce your service problems; they're carefully designed to provide accurate and stable operation for a long time

over a wide environmental range. And remember, when your subscribers start pushing buttons, your revenues and profits increase.

## 1. TYPE OF TELEPHONES

	Desk	MINIWALL Models
Single line.	S-C 2500D	S-C 2554B
Single line, for superimposed ringing.†	S-C 2501D	S-C 2556B
Single line, lift-to-talk.	S-C 2500F	S-C 2554F
Single line, message waiting.	S-C 2500Y	S-C 2554Y
Single line, manual exclusion.	S-C 2502B	S-C 2552B
Single line, push-to-signal.	S-C 2508B	S-C 2551B
Two-line, push-to-signal.	S-C 2510F	S-C 2553B
Two-line with hold, push-to-signal.	S-C 2575	S-C 2550B

## 2. RINGERS

### STRAIGHT-LINE

WA—Gong Ringer  
T—Tone Ringer\*\*  
B—Buzzer (package assembly)\*\*

### HARMONIC

\*F-33½ cps  
\*G-50 cps  
\*H-66½ cps  
\*E-16½ cps  
\*N-25 cps

### SYNCHROMONIC

\*K-30 cps  
\*L-42 cps  
\*M-54 cps  
\*P-66 cps  
\*R-16 cps

### DECIMONIC

\*I-20 cps  
\*J-60 cps  
\*K-30 cps  
\*Q-40 cps  
\*G-50 cps

\*Replace asterisk with N when volume control is not required on desk models, with W when volume control is required. Volume control is standard on MINIWALL telephones.

\*\*Desk models only.

## 3. COLOR

Ivory, beige, turquoise, blue, pink, yellow, green, red, black, gray, or white (page 13).

## ORDERING EXAMPLE

When ordering, specify (1) the telephone, (2) ringer, and (3) color; e.g., S-C 2552B WK Blue.

## ACCESSORIES

Refurbish all standard 2500 style telephones (specify color): housing, handset, and cords  
Polarity guard for S-C 2500 telephones

### Desk

ROK-2500TD

### Wall

ROK-2554TD

206289-211

†Includes ringer





# Colors Available

IVORY		
BLUE		
GRAY		
GREEN		
PINK		
YELLOW		
RED		
BEIGE		
TURQUOISE		
WHITE		
BLACK		









# Key Telephones—3 line

By itself, the S-C 1704-3 can provide service for up to three lines, each with independent hold. It's the perfect solution in many business situations including small motels. You could say, it's a miniature switchboard. And your subscriber will find it most convenient

to operate—the best possible view of the faceplate, better human engineering design than any other key telephone available.

These phones can also provide flexible multiline extensions in large systems. The three lines could be any

combination of PABX, intercom, or outside lines; tailored to the exact requirements of your customer. Communications is a complicated business and, if you like, our key system specialists will assist you in evaluating the needs of a particular subscriber.

## Description

### THREE-LINE TELEPHONES

Without line cord  
Line cord spade-tipped  
Line cord plug-ended

#### TONE-DIAL

Desk	Wall
1704-3AT	1714-3T
1704-3BT	1714-3AT
	1714-3BT

## Model Numbers

#### ROTARY-DIAL

Desk	Wall
1704-3A	1714-3
1704-3B	1714-3A
	1714-3B

### TONE-DIAL CONVERSION KITS

#### Part Numbers

Desk	Wall
For 1704-3 and 1714-3 Telephones	206290-661
For 1700-3 and 1701-3 Telephones	206290-241

### ACCESSORIES

#### Part Number

Package assembly to add manual exclusion on desk models	204793-891
Polarity guard package assembly for TONE-DIAL models	206290-561
Pushbutton units with cord for internal signaling—2 button	SE 559W
4 button	SE 561W
8 button	SE 565W
Telephone mounting bracket for pushbuttons 2 button	SE 76A
4 button	SE 75A
10 Terminal Block	SE 44A
Blue beige backboard for SE 44A	SE 168D
Blue beige cover for SE 44A	SE 101A
Backboard for two SE 44A—20 terminal	SE 168E
Cover for two SE 44A—20 terminal	SE 101C
9 station dial selective intercom with power	Series 2
18 station dial selective intercom with power	Series 3
Power for manual intercom: 9 V dc, 0.3 A talk—10 V ac lamp and signal	Lorain T-16A
10 V ac lamp transformer (maximum load—21 lamps)	202897-642

- Ringers, page 21.





# Key Telephones 6 and 12 button (5 and 11 line)

The versatile S-C 1700's are uniquely styled to provide the most in subscriber convenience. The face angle of this telephone allows a better view of the dial and line buttons from any sitting position. And from where you sit, there

is everything to gain when you offer this comprehensive range of desk and wall phones in either rotary-dial or TONE-DIAL models.

The 1700 series is available in six and twelve button models, providing up to

eleven lines with hold when used with the S-C 1A2 or similar key systems. You can call on your Stromberg-Carlson Key-Man for applications assistance. There is one in each of our regional offices.

## Description

## Model Numbers

### 6 BUTTON (5 LINE) TELEPHONES

#### TONE-DIAL

#### ROTARY-DIAL

With soldered-in key strip	Desk	Wall	Desk	Wall
Without line cord		1716-1T		1716-1
Line cord spade-tipped	1706-A1T	1716-A1T	1706-A1	1716-A1
Line cord plug-ended	1706-B1T	1716-B1T	1706-B1	1716-B1

### 6 BUTTON (5 LINE) TELEPHONES

#### TONE-DIAL

#### ROTARY-DIAL

With plug-in key strip	Desk	Desk with Jack	Desk	Desk with Jack
Line cord spade-tipped	1704-6AT	1704-6ATJ	1704-6A	1704-6AJ
Line cord plug-ended	1704-6BT	1704-6BTJ	1704-6B	1704-6BJ

### 12 BUTTON (11 LINE) TONE-DIAL TELEPHONES

#### DESK

#### WALL

	Spade-Tipped	Plug-Ended	Without line cord	Spade-Tipped	Plug-Ended
One plug-in key strip	1704-12AT (6)	1704-12BT (6)	1714-12T (6)	1714-12AT (6)	1714-12BT (6)
One key strip and operator jack	1704-12ATJ (6)	1704-12BTJ (6)	1714-12TJ (6)	1714-12ATJ (6)	1714-12BTJ (6)
Two plug-in key strips	1704-12AT (12)	1704-12BT (12)	1714-12T (12)	1714-12AT (12)	1714-12BT (12)
Two key strips and operator jack	1704-12ATJ (12)	1704-12BTJ (12)	1714-12TJ (12)	1714-12ATJ (12)	1714-12BTJ (12)

### 12 BUTTON (11 LINE) Rotary-Dial TELEPHONES

One plug-in key strip	1704-12A (6)	1704-12B (6)	1714-12 (6)	1714-12A (6)	1714-12B (6)
One key strip and operator jack	1704-12AJ (6)	1704-12BJ (6)	1714-12J (6)	1714-12AJ (6)	1714-12BJ (6)
Two plug-in key strips	1704-12A (12)	1704-12B (12)	1714-12 (12)	1714-12A (12)	1714-12B (12)
Two key strips and operator jack	1704-12AJ (12)	1704-12BJ (12)	1714-12J (12)	1714-12AJ (12)	1714-12BJ (12)

### TONE-DIAL Conversion Kits

#### DESK

#### WALL

	1 Key Strip	2 Key Strips	1 Key Strip	2 Key Strips
For 1704-6, 1706-1, 1716-1	206290-671		206290-711	
For 1704-12 and 1714-12	206290-681	206290-691	206290-721	206290-731
For 1700-12, 1701-12, 1710-12, and 1711-12	206290-221	206290-231	206290-251	206290-261
For 1706-, 1700-6, and 1701-6	206290-211			

• Ringers, page 21 . . . Be sure to order the accessories you require, see the following page. ➔





## Five and Eleven Line Telephone accessories

### Description

Package assembly for manual exclusion on desk models

Polarity Guard for TONE-DIAL models

Pushbutton transfer assembly

Diode for 24 V dc busy-station number display

Diode package assembly for 20 V ac busy-station number display

Speaker-phone package assembly, TONE-DIAL models (Speaker-phone not included)

Speaker-phone package assembly, rotary-dial (Speaker-phone not included)

Dial restriction diode

Plug-in key assembly†

### Part Number

206289-781

206290-561

206290-551

202852-138

206286-451

206289-951

206289-961

202852-138

S-C 398A

†If converting a five-line to an eleven-line phone, order faceplate package below.

Faceplate package for 1700-12, 1701-12

1710-12, 1711-12

1704-12T

1714-12T

1704-12

1714-12

204792-301

204792-491

206289-561

206289-601

206289-481

206289-521



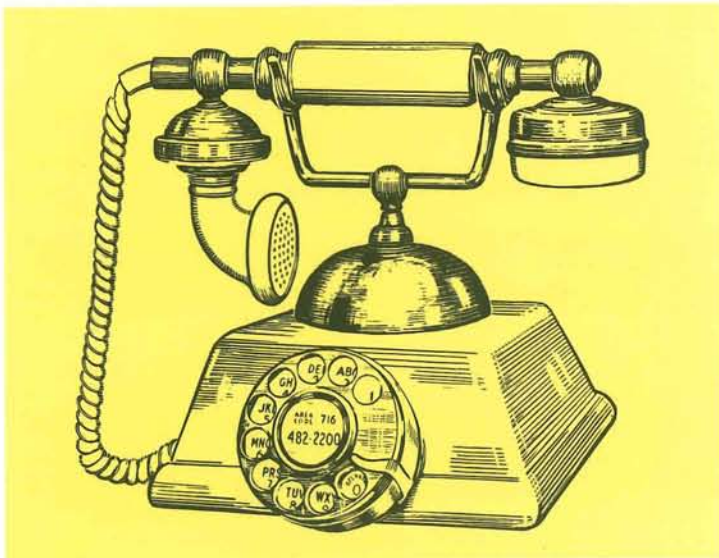
# Offer TONE-DIAL signaling in rotary-dial areas



Stromberg-Carlson's 135 C3A TONE-DIAL pad allows you to give end-to-end signaling service even though the central office is only equipped for rotary-dial. It works this way: a computer access number, for example, is dialed in the usual manner on a rotary-dial telephone; once a circuit is established, the TONE-DIAL pad produces the tones required for information transfer. The pad can be used with a speaker-phone. Colors: page 13: white, beige, ivory, green, black, or gray.

TONE-DIAL pad      135 C3A

## Convert Decorator Telephones



Everything is included to change that conversation piece into a working telephone. The kits are for decorator telephones which have been approved by the Bell System, and contain dial assembly, network, S-C P1A straight-line ringer, transmitter and receiver capsules, cords, connectors, and hardware. The finger stop of our DE-209 is in a different position than the cut out in some decorator phones.

Kit with chrome dial      207100-917

Kit with gold dial      207100-926





# Ringers

Whatever your signaling requirements, Stromberg-Carlson has an extensive range of high quality components which are designed, manufactured, and tested to the exacting standards of

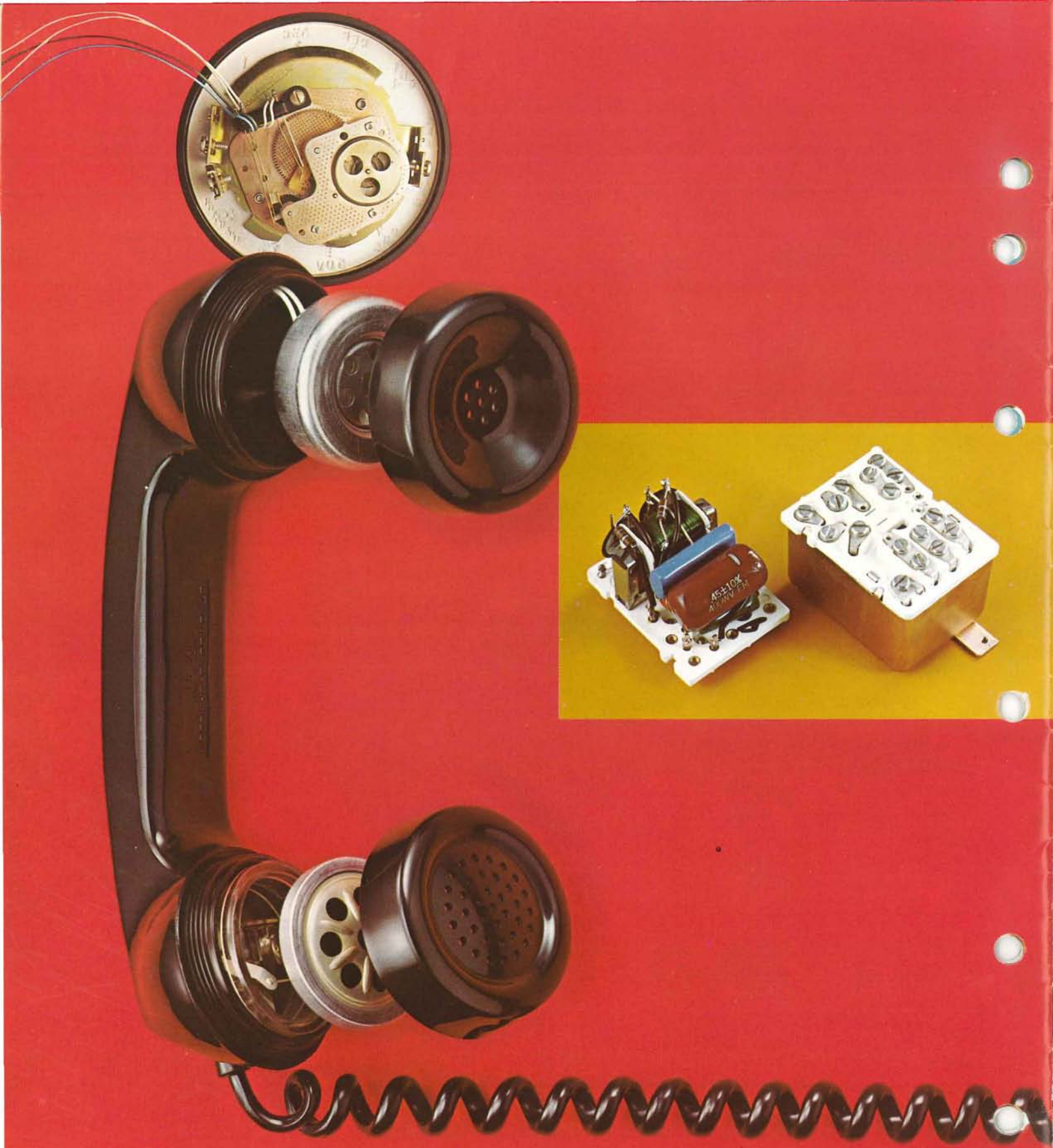
the independent telephone industry. The line includes straight-line and frequency selective ringers, buzzers, control relays, and tone ringers. A two winding coil is standard on both

the S-C C4A1 and the S-C 12 ringers. This eliminates the need to install new ringers when upgrading to ANI. They can also be used for stations not requiring party identification.

Description	Use with	Model Number
<b>RINGERS</b>		
Straight-Line two gong, universal long loop with volume control	500 +, S-C 687, and 2500 TONE-DIAL desk models	S-C C4A1
Frequency-Selective two gong, universal long loop with volume control		S-C 12W**
S-C 12 series without volume control		S-C 12N**
Straight-Line, long loop, single gong with volume control	SLENDERET phones	S-C P1A
Straight-Line, long loop, single gong with volume control	S-C 1704, 1714, 1706, 1716 and MINIWALL phones	S-C 20A
Frequency-Selective single gong with volume control		S-C 20**
Adapter to mount S-C 20 in place of 88 type ringer	S-C 1701, 1711 phones	206291-191
Tone ringer with volume control	500 +, 1700, and 2500 desk phones	S-C 95
Adapter to mount tone ringer	500 +	206288-081
<b>BUZZERS</b>		
For standard ringing voltages	1700 key phones	S-C 2A
Miniature, 8-24 V ac		S-C Q-20
#7 type 15-12 V ac		SE 7A
Package assembly to mount #7 buzzer (buzzer not included)		206289-671
Package assembly including OE type buzzer	1704 & 1714	206289-681
Package assembly including OE type buzzer	1701-3, 1701-12, 1711-12, 1706-1 & 1716	204793-921
Common audible signal (Solid state)	1700 three-line	S-C 96A
<b>EXTERNAL SIGNALS</b>		
Bell box with S-C C4A1 ringer	all telephones	S-C 687WA
Bell box with S-C 12W** ringer		S-C 687W**
Compact Straight-Line ringer in box, with volume control, long loop, Color: Blue/Beige, or Ivory.		S-C 1686A
Compact Frequency-Selective ringer in box with volume control, Color: Blue/Beige, or Ivory.		S-C 1686**
Tone ringer in a bell box		S-C 687T
2A buzzer in a bell box		S-C 687B
Common Audible in a bell box	1700 3-line telephones	S-C 687 (96A)
8-24 volt control relay in a bell box	Howlers, loud bells	S-C 687CR
Frequency-Selective control relay in a case, specify desired frequency		S-C A915**
Bell box will hold C4A1, or series 12 ringers	External mounting	S-C 687
Bell box for series 80 ringers, ringer not included		S-C 687 (80)

\*\*For ringers, replace double asterisk with the desired code; e.g., S-C 12WJ is a 60 cps ringer with volume control.

Harmonic	Synchromonic	Decimonic
F-33½ cps	K-30 cps	I-20 cps
G-50 cps	L-42 cps	J-60 cps
H-66½ cps	M-54 cps	K-30 cps
E-16½ cps	P-66 cps	Q-40 cps
N-25 cps	R-16 cps	G-50 cps





# Handsets, Dials, Networks, Capsules

Maintenance is your concern, and ours. Each component receives meticulous care in manufacturing and is conscientiously tested; the result is a

Stromberg-Carlson component which, in the long term, means lower operating costs. When replacing a part, why not use the best. The components employed

in our 500+ and 2500 TONE-DIAL phones are fully interchangeable with those used in all standard 500 and 2500 models from any manufacturer.

## ROTARY-DIALS

Smooth and quiet. And we maintain close tolerances on dial speed and percent-make. Used on the 500+, it is the ideal replacement for the dial assembly in any standard 500 telephone. See page 13 for a full range of colors.

S-C 9-C

The new standard wall phone—MINIWALL telephones—also uses a no. 9 type dial in rotary-dial models. (specify color)

S-C 9-1C

For S-C 1700 series, the no. 9 dial is available in white only.

S-C 9-2C

A dial assembly with two normally off contacts for 6 and 12 button (5 and 11 line) key telephones using speaker-phone.

S-C 9-2H

Space saver rotary-dial used in SLENDERET telephones.

S-C 10A

## TONE-DIAL ASSEMBLIES

Extremely stable over a wide temperature range, the TONE-DIAL assembly has 12 buttons, 10 for metro dialing and 2 for special services.

For all standard 2500 pushbutton phones and is also used in S-C 1700 phones and sets equipped with the HRA-500 handset.

S-C 35A3A

TONE-DIAL assembly for speaker-phone service.

S-C 35C3A

Miniaturized TONE-DIAL assembly for SLENDERET telephones.

S-C 82A2A

## RECEIVERS

Receiver capsules have a low mass diaphragm. Inherent attenuation below the voice range minimizes the effect of power line induced noise.

For all G3 handsets.

211881-000

For SLENDERET telephones.

LA1

## TRANSMITTERS

Transmitter capsules are truly non-positional. Excellent speech reproduction with lower attenuation at higher frequencies (an important asset on longer lines).

For all G3 handsets, they are interchangeable in all standard 500 and 2500 phones.

211969-000

For SLENDERET telephones.

211969-000

## HANDSETS

The S-C G3 handsets are rugged, lightweight and include soft-pull cords in all standard colors, even the black handset is lightweight. Used on MINIWALL telephones, the 500+, 2500's, and multiline phones (1704, 1714, 1706-1, 1716-1, 1701, 1711)

S-C G-3

Used on 1700-3, -6, -12, 1706, 1710 telephones

S-C 34B

Increase volume for the hard-of hearing and for subscribers in high noise locations. Fits any telephone which uses a G3 handset.

HRA-500

Handsets with switch for push-to-talk, door opening, etc. (Black is standard, other colors are available on special order.)

Bar type

S-C G3.5

Pushbutton

S-C G5

Bar and Pushbutton

S-C G5.5

## NETWORKS

The 500+ network is double protected from both moisture and mechanical damage. Can be used in all standard 500 and 2500 telephones.

S-C 425E

For rotary-dial SLENDERET telephones.

206013-711

For TONE-DIAL model of SLENDERET telephones.

206014-721

For MINIWALL telephones, rotary-dial and TONE-DIAL versions, and 1700 key telephones.

S-C 4010B



