



3

News about the audio system

A completely new product program of radio units have been introduced for the S40/V40. These are very similar in function and operation to those radio units found in the S80 and V70 model year 00 onwards.

If radios other than HU-105, HU-405, HU-415, HU-555, HU-605, HU-615, HU-655 or HU-1205 are installed in the S40/V40 01-, cable harness kit 30618 101-7 must be used.

Important
Wiring and connectors for radio units in the S40/V40 have changed from model year 01 onwards to suit the new product program.

Radio

audio key

ASC (Active sound control)

Automatically adjusts the volume according to the speed of the car. The greater the speed, the greater the cabin noise, therefore a higher volume is required.

Auto loudness

When the volume is lowered, the bass and treble ranges are increased automatically more than mid-range. Both music and speech sound better.

Auto reverse

Automatic reverse. Once one side of a cassette has finished playing, the other side plays automatically.

Auto (Auto store)

The stations with the strongest signal in the travelled area are stored automatically, in ascending frequency. Quickly press the AUTO button to select a station, a different station for every press of the button. It is not necessary to search for the correct frequency manually.

CD guide

The CD player/changer or separate CD changer in the cargo compartment is controlled via the front panel of the radio. The latter can be loaded with six or ten CDs depending on the model of Volvo. CDs are selected via the rapid search buttons on the radio.

Diversity antenna system

In order to provide the best possible reception during harsh conditions two antennas are used. The radio automatically selects the strongest signal when programmed to the FM wave-band.

EON (Enhanced Other Network)

Local traffic information, on another channel in the national network or in the linked local radio, automatically cuts in if the TP button is pushed in. This occurs if listening to the radio, a CD or cassette. Once the traffic information is over the earlier listened station cuts back in. (Also see PTY.)

Fader

Balances the sound between the front and rear loudspeakers.

News

The news can always be listened to when another station is tuned in if the News-button is pressed in. News broadcasts automatically cut in.

Next (NXT)

Used to skip a track. Simply press the button to skip to the next track on a CD or cassette.

Pinch-off

A function to reduce cassette background noise. The cassette is ejected when the cassette player is switched off.

Pre-select

Pre-selected stations can be selected using the rapid search buttons. Also used to select a CD in the CD changer.

PTY (Program type)

The radio automatically searches for the type of program you wish to listen to without you having to select the channel.

Desired stations can be programmed and stored in all Volvo units. (Programmable EON-PTY). As soon as a station transmits a programme type the radio will store that station. You can listen to what you wish to listen to, before you were either listening to the radio, a CD or cassette. Only programmes transmitted over the national network or on local radio will be stored.

Random (RND)

Random. Press the button to randomly select the order of tracks played from a CD or CDs.

Repeat

The last played track of a CD or cassette is repeated.

RDS (Radio Data System)

The radio automatically searches for the strongest transmissions of the station being listened to. It is not necessary to manually search for new frequencies when travelling long distances.

Seek

The radio automatically seeks through the wave band until it finds the next station and stops there until seek button is pressed again.

Rapid search

Skips between pre-selected radio stations and different CDs in the CD changer.

Telephone mute

Telephone muting. The volume of the audio unit is automatically lowered when using a mobile telephone.

TP (Traffic information Prioritising)

When the TP button is pressed in all traffic information transmitted over a local or national network is received via the EON function. The message interrupts the radio, cassette or CD. (Also see EON.)

Radio table

Use the table to compare the different radio units that Volvo offer for the S40 and V40.

Radio table

Radio		SC-802	CT-503	CR-504	CR-502	HU-555	HU-655
Frequency range	U (FM) MHz M (AM/MW) kHz L (AM/LW) kHz	87.5-108 522-1611 153-281	87.5-108 522-1611 153-281	87.5-108 522-1611 153-281	87.5-108 522- 1611 153-281	76.0-108 522-1611 153-279	76.0-108 522-1611 153-279
Sensitivity (µV)	U (FM) µV M (MW) µV L (LW) µV	1.5 6.5 30	1.5 6.5 30	1.5 6.5 30	1.5 6.5 30	1.5 45 45	1.5 45 45
Number of quick select FM / AM stations		18 / 6	12 / 6	12 / 6	12 / 6	20 / 10	20 / 10
RDS / RBDS-functions		● / –	● / –	● / –	● / –	● / ●	● / ●
Automatic switch to strongest station (AF)		●	●	●	●	●	●
EON		●	●	●	●	●	●
PTY (program type) programmable/manual		● / –	– / ●	– / ●	– / ●	●	●
Traffic information (TP)		●	●	●	●	●	●
News		●	–	–	–	●	●
Radio text (RT)		●	●	●	●	●	●
Autostore (number of FM/AM stations)		8 / 8	6 / 6	6 / 6	6 / 6	10 / 10	10 / 10
One touch storage / Memory access		●	●	●	●	–	–
Synth. tuner		●	●	●	●	●	●
Electronic interference suppression FM		●	●	●	●	●	●
Provision for Diversity aerial system		–	–	–	–	–	–

Radio table

CD-player	SC-802	CT-503	CR-504	CR-502	HU-555	HU-655
Front-loading	–	•	–	–	•	•
Number of discs	–	1	–	–	1	1
Repeat	–	•	–	–	•	•
Next	–	•	–	–	•	•
Previous	–	•	–	–	•	•
Random	–	•	–	–	•	•
Scan	–	•	–	–	•	•
Pause	–	•	–	–	•	•
Direct disc selection	•	•	–	–	•	•
Track time display	–	•	–	–	•	•
Auto reload	–	•	–	–	•	•
D/A-convertor	–	1-bit	–	–	1-bit	1-bit
Oversampling	–	x8	–	–	x8	x8

Cassette player	SC-802	CT-503	CR-504	CR-502	HU-555	HU-655
Auto reverse	•	–	•	•	–	•
Fast forward/rewind	•	–	•	•	–	•
Pinch-off	•	–	•	•	–	•
Double sensor	•	–	–	–	–	•
Dolby B	•	–	–	–	–	•
Next / Repeat	–	–	–	–	–	•
Wow and flutter (%)	–	0.05	0.05	0.05	–	0.05
Signal / noise ratio (dB) ¹	55	–	55	55	–	55

Radio table

Amplifier	SC-802	CT-503	CR-504	CR-502	HU-555	HU-655
External amplifier required	–	–	–	–	–	–
Loudness (Auto / Man)	auto	auto	auto	auto	auto	auto
Stereo / mono (Auto / Man)	auto	auto	auto	auto	auto	auto
Balance control	•	•	•	•	•	•
Fader control	•	•	•	•	•	•
Separate controls for bass and treble	•	•	•	•	•	•
Equalizer	•	–	–	–	–	–
Active sound control (ASC)	•	–	•	•	•	•
Power output (W) at 10% distortion (TDH)	4 x 25	4 x 20	4 x 20	4 x 20	4 x 25	4 x 25
Power output (W) at 1% distortion (TDH)	4 x 18	4 x 12	4 x 12	4 x 12	4 x 18	4 x 18
Recommended number of loudspeakers	6-9	4-7	4-7	4-7	6-7	6-7
With amplifier output	–	–	–	–	•	•
Connection options	SC-802	CT-503	CR-504	CR-502	HU-555	HU-655
CD-control of separate CD-changer	•	–	•	–	•	•
Low-level output for external amplifier	–	–	–	–	•	•
Telephone muting (NOTE! Only integrated telephones)	•	•	•	•	•	•
Optional remote control	–	–	–	–	–	–
Optional steering wheel controls	–	–	–	–	–	–
Output impedance (Ohm):	4	4	4	4	4	4
Operating voltage (V negative ground):	12	12	12	12	12	12
Fuse (A):	10	10	10	10	15	15
Anti-theft protection	SC-802	CT-503	CR-504	CR-502	HU-555	HU-655
Anti-theft protection / red LED	• / •	• / •	• / •	• / •	• / –	• / –
Detachable keypad unit	–	•	•	•	–	–

1 Normal tape without Dolby.

Loudspeaker information

Guide panels and frames EU + Instruction book			
Model		Panel/frame	Instruction book
SC-802 Grey	3533 744-3	-	9950 023-3
CR-502	8633 014-9	-	9481 206-2
CR-504	8633 013-1	-	9481 206-2
CT-503	8633 012-3	-	9481 206-2

Loudspeakers, Performance								
Model	Front door and tweeters				Rear speakers			
S40	HT-140/240 ¹	25W	C1	30863 870-9	HT-440 ²	25W	C1	30863 872-5
	HT-140/240 ¹	25W	C2	30883 147-8	HT-440 ²	25W	C2	30883 149-4
	HT-140/240 ¹	25W	C3, C4	30882 823-5	HT-440 ²	25W	C3	30883 150-2
	HT-140/240 ¹	25W	C5	30638 335-7	HT-440 ²	25W	C5	30618 689-1
	HT-140/240 ¹	25W	C6	30638 495-9	HT-440 ²	25W	C6	30638 336-5
					HT-440 ²	25W	C7	30638 496-7
V40	HT-140/240 ¹	25W	C1	30863 870-9	HT-540/640 ³	25W	C1	30863 871-7
	HT-140/240 ¹	25W	C2	30883 147-8	HT-540/640 ³	25W	C6	30638 337-3
	HT-140/240 ¹	25W	C3, C4	30882 823-5				
	HT-140/240 ¹	25W	C5	30638 335-7				
	HT-140/240 ¹	25W	C6	30638 495-9				

Loudspeakers, high performance					
Model	Compleat kit, high performance W9920-				
S40	HT-S41	35W	30882 814-4	Platina	-W9840
		35W	30882 816-9	Off Black	-W9841
		35W	30618 690-9	Oak	W0020-W0220
		20/50W	30638 338-1	Oak	W0220-
		20/50W	30638 497-5	Off Black	W0220-
V40	HT-V41	35/80W	30882 817-7	Graphite	W9841-W0220
		35/80W	30618 691-7	Oak	W0020-W0220
		20/100W	30638 339-9	Oak	W0220-
		20/100W	30638 498-3	Off black	W0220-

Loudspeaker information

Frontdoor and tweeters

C1 =	Platina/Light Grey	-W9841
C2 =	Manatee	-W9920
C3 =	Off Black/Dark Grey	-W9841
C4 =	Graphite	W9841-W0220
C5 =	Oak	W0020-
C6 =	Off Black	W0220-

Rear speakers

C1 =	Platina/Light Grey	-W0220
C2 =	Manatee	-W9920
C3 =	Off Black/Dark Grey	-W0220
C4 =	Graphite	W0020-W0220
C5 =	Oak	W0220-
C6 =	Off Black	W0220-

Please ask your dealer for chassis number limits.

1 Kit: Door woofer and dashboard tweeter.

2 Full range.

3 Kit: D-pillar squeeters and trunk panel bass box.



S40, V40 01- EU

30623 240-6

Big front radio/Navigator with large ergonomically formed buttons for simple and safe use in traffic. Specially designed for **S40/V40**.

HU-1205 can be supplemented with:

High Performance Sound with digital amplifier 03-. CD changer, (10 CD), see p.25.

Remote control¹

8622 115-7

For information about the navigation function, see and .

¹ The remote control can only be used to control navigation functions.



S40, V40, 01-

30889 980-6

Big front radio with large ergonomically formed buttons for simple and safe use in traffic.

Specially designed for **S40/V40**.

HU-405 can be supplemented with:

CD changer, (10 CD), see p.25.

HU-405 cannot be supplemented with:

High Performance Sound with digital amplifier 03-.



S40, V40, 01-, US, AU

30889 984-8

Big front radio with large ergonomically formed buttons for simple and safe use in traffic.

Specially designed for **S40/V40**.

HU-415 can be supplemented with:

CD changer, (10 CD), see p.25.

HU-415 cannot be supplemented with:

High Performance Sound with digital amplifier 03-.



S40, V40, 01-

30889 979-8

Big front radio with large ergonomically formed buttons for simple and safe use in traffic.

Specially designed for **S40/V40**.

HU-105 cannot be supplemented with:

High Performance Sound with digital amplifier 03-.



S40, V40

Grey

8633 012-3

**S40, V40**

Grey

8633 013-1

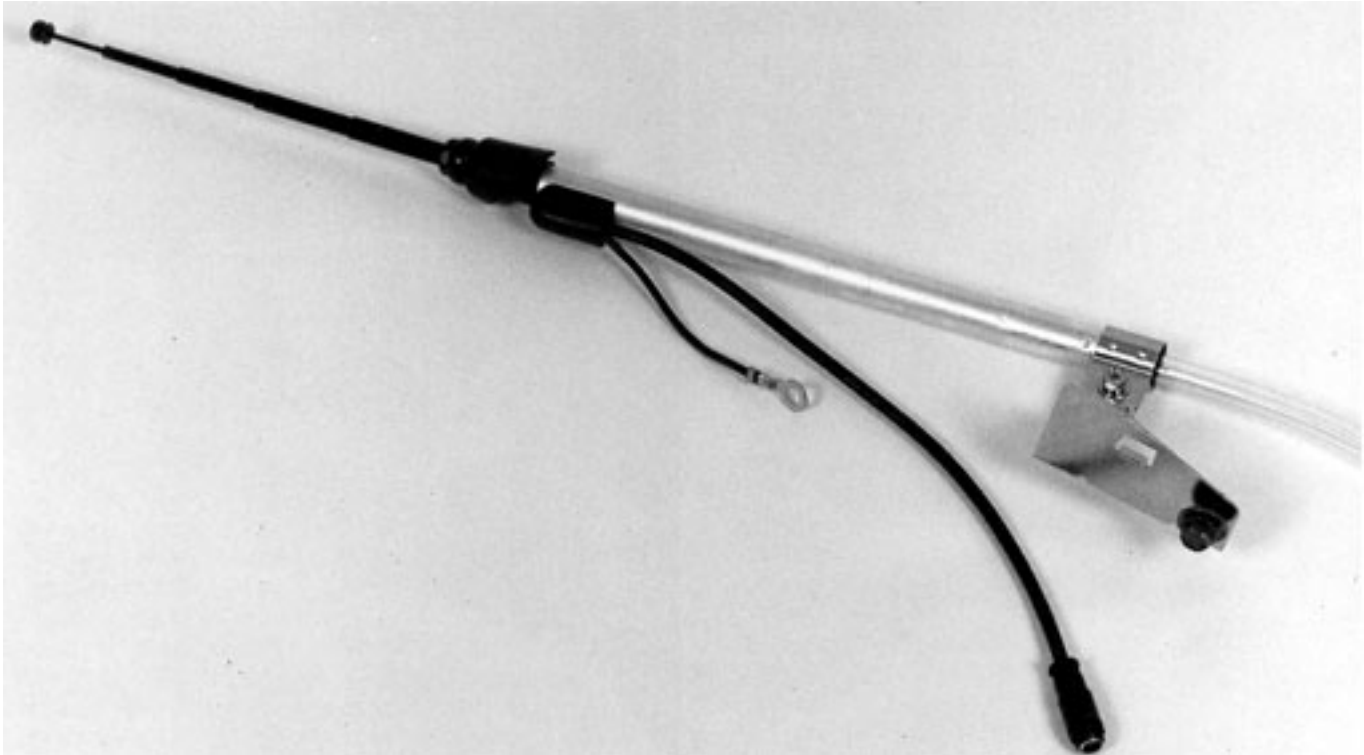
CR-504 can be supplemented with:
CD changer, (10 CD), see p.25.



S40, V40

Grey

8633 014-9

**S40**

Ch 976449- **30638 744-0**

Ch -976448 **30816 172-8**

Telescopic antenna in five sections, ready to install on the left rear wing.

Fully retractable.

The antenna is installed in a rubber mounting.

Length: 780 mm

**V40****30623 004-6****Technical data**

A new combination antenna, dual band mobile phone compliant.

The combination antenna replaces the standard roof antenna and is used for both radio reception and mobile phones.

The antenna performs as well as a normal roof antenna but does not require an extra hole to be drilled in the roof, which is often needed when installing a mobile phone antenna.

The combination antenna does not affect the appearance of the car and has the advantage of not being visible from the outside indicating that the car is equipped with a mobile phone. (Risk of theft).

Frequency range

Carphone:

GSM 900/1800 MHz

Radio:

U (FM) 76 -108 MHz

M/L (AM) 153-1710 kHz

Antenna length: 416 mm

Facts and Advantages

- Does not affect the original appearance of the car.
- Uses the existing hole in the roof, no additional hole need be drilled.



S40, V40

Manatee ¹	30883 147-8
Graphite ²	30882 823-5
Platina/Light grey ³	30863 870-9
Off-Black/Dark grey ⁴	30638 495-9
Oak ⁵	30638 335-7

Ask your dealership for chassis number ranges:

Manatee	-W9920
Graphite	-W0239
Platina/Light grey	-W9841
Off-Black/Dark grey	W0240
Oak	W0020

25 Watt door-mounted loudspeakers and treble loudspeakers in the dashboard.

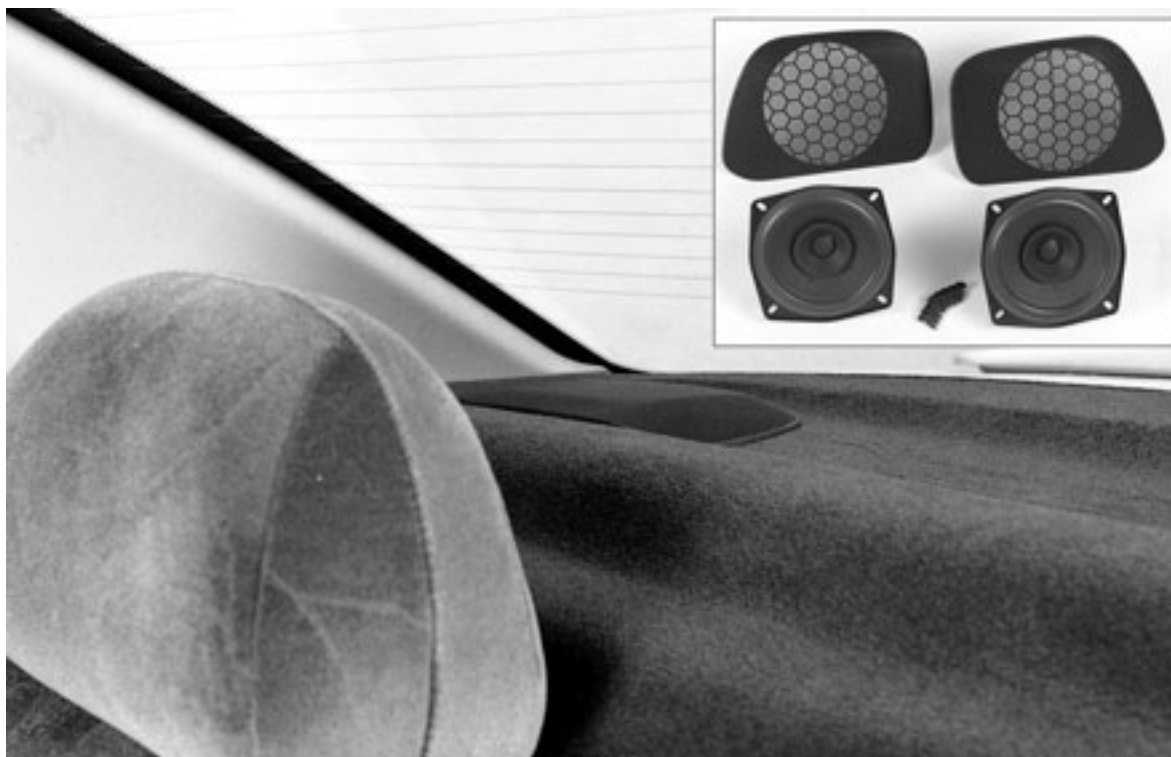
False door grilles must be replaced with authentic grilles.

The kit contains four loudspeakers and grilles.

Output:	Nominal 25 W Max. 75 W
Frequency range:	
Bass	60-9000 Hz ¹ 85-2500 Hz ²
Treble	4,000-20,000 Hz
Impedance:	4 ohm
Size:	
Bass	Ø5.25"
Treble	18 mm

Important
Eight extra plastic nuts, P/N. 949 125-9 must be ordered for cars with chassis no. Ch -47502 .

1 Frequency range bass: 60-900 Hz.
2 Frequency range bass: 60-900 Hz.
3 Frequency range bass: 60-900 Hz.
4 Frequency range bass: 85-2500 Hz.
5 Frequency range bass: 85-2500 Hz.



S40

03- ¹	Oak	30638 336-5
	Off Black	30638 496-7
01-02 ²	Oak	30618 689-1
96-02 ²	Off Black	30883 150-2
-00 ²	Platina	30863 872-5
-99 ²	Manatee*	30883 149-4

Ask your dealership for chassis number ranges:

Manatee -W9920

25 Watt universal loudspeaker in the parcel shelf.

False grilles must be replaced with authentic grilles.

The kit contains two loudspeakers and grilles.

	1)	2)
Output:	Nominal 25 W	Nominal 25 W
	Max. 75 W	Max. 75 W
Frequency range:	50-20,000 Hz	90-20.000Hz
Impedance:	6 ohm	4 ohm
Size:	Ø 7"	Ø 5"



V40

03- ¹	30638 337-3
-02 ²	30863 871-7
+ Installation kit³	
Platina/Light grey	30883 457-1
Manatee ⁴	30883 458-9
Off-Black/Dark grey	30883 459-7

A 25-watt loudspeaker for installation in the D-post, with corresponding bass speaker, an Active Bass Box, positioned behind the right-hand cargo compartment panel.

Facts and Advantages

Bass speaker

Frequency range:	40-200 Hz
	50-2000 Hz
Output:	Nominal 25 W
	Max. 75 W
Impedance:	4 ohm

Treble loudspeaker

Frequency range:	200-20,000 Hz
Output:	Nominal 2x40 W
	Nominal 2x25 W
	Max. 2x75 W
Impedance:	4 ohm

1 Frequency range, bass: 40-200 Hz. Output, treble: Nominal 2x40 W.
 2 Frequency range, bass: 50-2000 Hz. Output, treble: Nominal 2x25 W
 3 An installation kit consisting of grilles and wiring must be ordered for cars with chassis no. Ch -315000.
 4 Ask your dealership for chassis number ranges: Manatee –W0220.

**V40**

-02	Graphite	30882 817-7
	Oak	30618 691-7

Complete loudspeaker kit for the more discerning listener.

The kit contains nine loudspeakers including grilles for cars manufactured after W9920.

It consists of:

- Two loudspeakers with treble transducers for the dashboard.
- Two loudspeakers with mid-range transducers for the dashboard.
- Two door-mounted loudspeakers.
- Two D-post loudspeakers.
- A bass box for the cargo compartment, integrated power amplifier.

The kit is suitable for cars manufactured after W9920. Ask your dealership for chassis number ranges.

Technical data**The loudspeakers with treble and mid-range transducers for the dashboard*:**

Output:	Nominal 35 W
Sensitivity:	86 dB/W/m
Frequency range:	2000-20000 Hz
Impedance:	4 ohm
Size/type:	35 mm mid frequency dome-type, 18 mm high frequency Neodymium dome tweeter-type.

Door-mounted loudspeakers:**

Output:	Nominal 35 W
Sensitivity:	88 dB/W/m
Frequency range:	60-3000 Hz
Impedance:	4 ohm
Size/type:	130 mm woofer-type

Bass box speaker*:**

Output:	Nominal 80 W
Sensitivity:	85 dB/W/m
Frequency range:	35-600 Hz
Size/type:	Integrated power amplifier, 130 mm high output loudspeaker with 35 mm voice coil and 165 mm passive slave element.

D-post loudspeakers**:**

Output:	Nominal 35 W
Sensitivity:	86 dB/W/m
Frequency range:	600-20000 Hz
Impedance:	4 ohm
Size/type:	65 mm squeeeter type, rubber mounted membrane

* Op. no. 39551

** Op. no. 39577

*** Op. no. 39540

**** Op. no. 39503



S40, V40

9488 925-0

• Random

+ One of the following radios: HU-1205, HU-655, HU-605, HU-615, HU-555, HU-405, HU-415, CR-504

Technical data

+ Installation kit

Dimensions:	212 x 80 x 275 mm
D/A-converter:	1-bit
Oversampling:	8 x
Distortion:	0.005%
Signal/interference	94 dB
Dynamic:	89 dB

S40 Below the parcel shelf

30618 694-1

S40, V40, Cargo compartment floor

30623 222-4

+ CD-wiring

Cars without pre-routed CD wiring

30623 223-2

Protective cover

9164 597-8

Additional magazine

9452 189-3

One of the smallest 10 disc CD changers on the market.

The changer is installed in the cargo compartment.

The changer is controlled via the radio which is prepared for the external CD changer:

- Disc selection
- Track selection
- Rapid search
- Time

**S40, V40****3533 937-3**

+ **One of the following radios:** SC-805, SC-802, SC-801, SC-800, SC-700, CT-906, CR-915, CR-906, CR-905.

+ Installation kit**S40**

below the parcel shelf

30889 733-9

cargo compartment floor

30865 945-7**V40**

cargo compartment floor

30865 945-7**Protective cover****9164 597-8****Additional magazine****3533 851-6**

One of the smallest on the market.

CD-changer equipped with a magazine to carry six discs. This provides a combined playing time of up to six hours.

The changer is controlled via the radio which is prepared for the external CD changer.

Storage compartment for CD discs

Op. no. 88212



CD box Grey **9192 749-1**

+ ISO bracket

Grey **9192 751-7**

A practical storage compartment for your CDs. The box has space for eight different CD discs without covers.

A unique lock system means that the CDs will not rattle.

Collision tested.

Important

Cannot be installed in the centre console together with big front radios.

Cassette compartment

Op. no. 88221



S40, V40

30883 660-0

The cassette compartment can only be installed in combination with ISO radios. Located under the radio.

- Holds four cassettes.
- Protects the cassette from dirt and dust.
- Prevents cassettes rattling.

Material: ABS plastic.

Important

Cannot be installed in the centre console together with big front radios.

Handsfree

for GSM mobile phones

Both hands must be kept on the steering wheel to drive safely!

The Volvo hands-free system makes it easy to drive and have a telephone conversation at the same time.

The cradle is beside the radio unit for easy access and to make the telephone easy to handle.

This location also satisfies Volvo's stringent safety requirements for collisions.

The telephone is easy to secure in the cradle, which connects the microphone, the external antenna and the loudspeaker in the passenger door.

When in the cradle, the telephone battery also charges so that the telephone is always ready for use when you leave the car.

When changing telephones, the system is easy to update by only changing the cradle.

Telephone without an external antenna socket can also be used.



Base kit, universal	8698 372-3	S35/C35/M35	8698 386-3
+ Installation kit		Sony/Ericsson	
01- LHD	30664 694-4	T68m/T68i	8698 390-5
RHD	30664 695-1	Motorola	
-00 LHD	30664 696-9	L7089 / P7389 / T250 / T260	8698 391-3
RHD	30664 697-7	V3688 / V3690 / V50/V90	8698 392-2
Carphone holder		+ Antenna	
Nokia		S40, V40	
5110/5165/6110/6150/6210/6310/6310i/7110	8698 373-1	Window-mounted antenna	
8210/8250	8698 375-6	900 +1800 MHz (EU)	8698 274-1
8850	8698 379-8	800 + 1900 MHz (US)	8698 273-3
3210	8698 380-6	Roof mounted	
3310/3330/3350/3410/3510	8698 381-4		
5210	30664 148-1	900 +1800 MHz	30623 026-9
6510/8310	30664 149-9	V40	
Siemens		Combination antenna	30623 004-6
SL45/SL42	8698 384-8		
S45/ME45/M50	8698 385-5		