3.4 Radio system beta
Operating Instructions

Contents

Notes
Please detach the „Radio Card" and keep in a safe place – under no circumstances in the vehicle!
If the radio card with the code number is lost, please contact a Volkswagen dealer.
They will be able to help you free of charge.

Radio Card

beta

Serial no.

Code no.

Please attach serial and code no.

Overview

BR-200K

The lower illustration shows the radio *BETA* with removable control part.

BR-201K

The "Radio card" must be detached and kept in a safe place – under no circumstances in the vehicle.

If the radio card with the code number is lost, please contact a Volkswagen dealer.
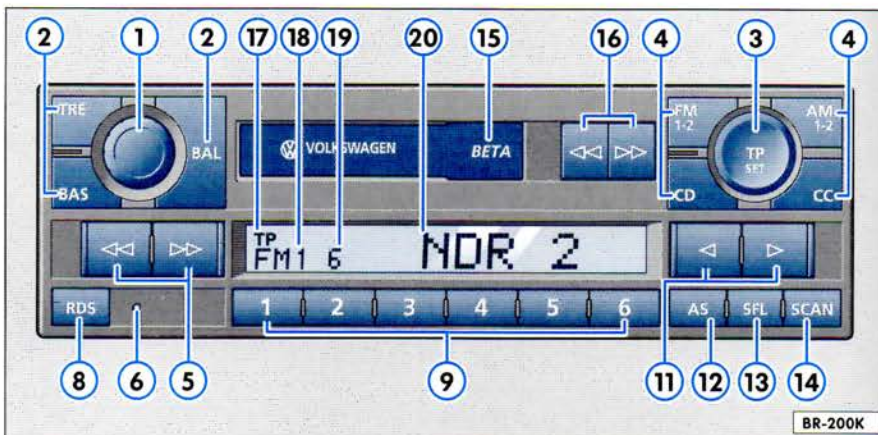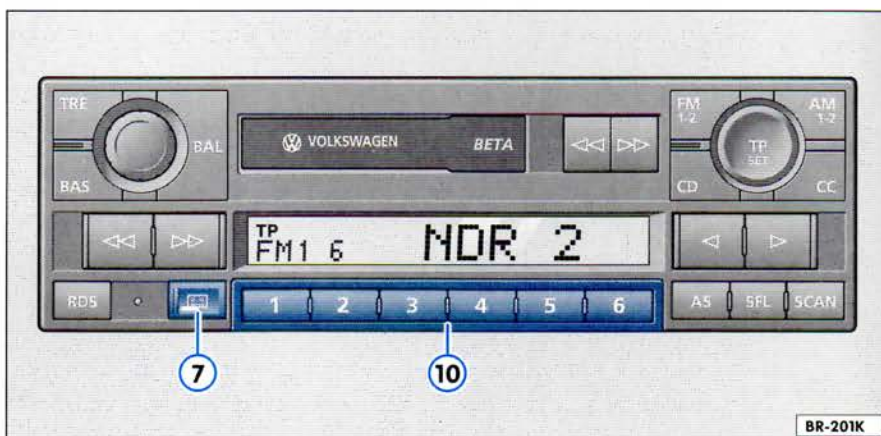They will be able to help you free of charge.

Quick Reference Guide

Note

Note: The radio features an anti-theft coding system. If the radio does not emit any sound when it is switched on and the word "SAFE" is displayed, it has been electronically locked. See page 21 for instructions!

[1] Details on the RDS can be found on page 13.

Important notes

Operating the radio whilst driving

Modern traffic conditions demand the constant attention of road users.

Besides a wealth of entertainment, modern car radios, with their range of sophisticated features, also provide a great deal of information about traffic and road conditions, etc.

However, the radio, with all its possibilities, should only be used if conditions really allow it.

For example, changing cassettes or reading cassette labels while driving have frequently led to dangerous situations.

The volume of the radio should also be set so that acoustic signals from outside can also be heard.

> **Warning**
> **Please concentrate on your driving above all!**

Convenience radio coding

For technical reasons, the convenience radio coding is not available for all vehicle models.

In the past one had to recode the radio manually every time the unit was removed or when the vehicle battery had been disengaged.

That has all changed with the new convenience radio coding function: Once the code number has been input in the radio, it will then synchronise itself with "its" vehicle!

If the current supply has been interrupted the radio will automatically check to see if it is still in "its" vehicle after the ignition has been switched on. If it is happy, the radio will be ready for use after just a few seconds.

It is therefore no longer necessary to disengage the electronic lock manually!

If the radio has been fitted to another vehicle, however, the electronic lock will have to be disengaged manually.

This code number, together with the unit's serial number, can be found on the "Radio Card" at the front of this instruction manual, next to the contacts.

It is very important that you detach this "Radio Card" and keep it in a safe place - never keep it in the vehicle. Only then is the radio useless to thieves!

CD mode

This car radio also has the attractive option of controlling the Genuine Volkswagen CD changer[1]) or CD player[1]).

The operation of the units is described in a separate manual.

Volkswagen dealers have all the information concerning the retrofitting of these units.

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[1]) Can be delivered as fitted from the factory. The units should be fitted by a Volkswagen dealer if to be installed at a later date.

Operating the radio

BR-203 c
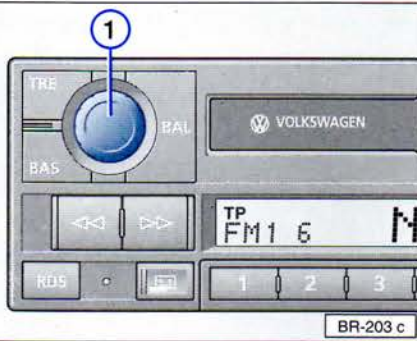
1 – Rotary / Push knob

The knob serves:

- Switching on/off.
- Volume control.
- Sound setting

On/Off,
Volume control

Briefly press the knob to switch the radio **on and off**.

The frequency and volume settings used before the radio was last switched off will be reactivated.

If the radio is on when the key is removed from the ignition, it automatically switches off.

The radio will switch on automatically if the key is replaced in the ignition and turned.

The radio can be switched on again when the ignition key has been removed by pressing the rotary / push knob **(1)**. It will switch off automatically approximately 1 hour after the key has been removed to ensure that the battery does not run flat.

This procedure can, however, be repeated as often as required.

When the unit is switched off and the ignition key has been removed, a flashing diode (see page 12) indicates that the radio is equipped with an activated Anti–Theft Code.

If the radio unit makes no noise after switching on and "SAFE" is shown in the display, please refer to the operating notes as of page 21.

The **volume** can be set by **turning the knob**.

Sound setting

After pressing one of the four sound setting buttons:

- Treble (TRE)
- Bass (BAS)
- Balance (BAL)

the scale value in the display can be set by turning the rotary/knob **(1)** (see next page).

The settings for the treble and bass will automatically be made for the appropriate source, so that different settings can be made for the radio, cassette or CD!

BR-204 c

BR-205 c

2 - Sound setting

Treble (TRE)

● Press the TRE button.

● "TRE" appears in the display along with the current scale value of +9 to –9.

● Set the required value by turning the rotary/push button **(1)** to the left or right.

● Then press the TRE button or another sound adjustment button in order to store the value. If no alterations are made for 5 seconds, the system will automatically leave the menu and store the last setting.

Bass (BAS)

● Press the BAS button. "BAS" appears in the display along with the current scale value of +9 to –9.

● Set the required value by turning the rotary/push button **(1)** to the left or right.

● Then press a sound adjustment button again to store the value.

Balance (BAL)

The balance of volume between the right and left hand speakers is adjusted using this function.

● Press the BAL button. "BAL" appears in the display along with the current scale value (from LEFT 9 via CENTER to RIGHT 9).

● Set the required value by turning the rotary/push button **(1)** to the left or right.

● Then press a sound adjustment button again to store the value.

IDR 2

BR-206 c
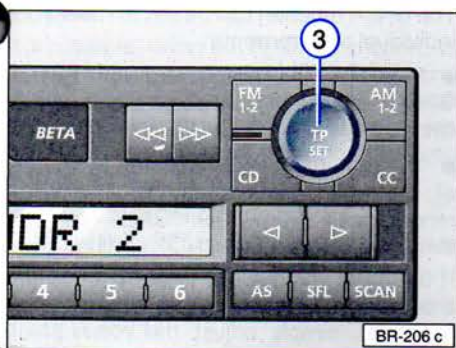
3 – TP/Set-Taste

Using the **T**raffic **P**rogram/**Set**up button you can access traffic program functions (traffic information). It is also possible to set special RDS functions and make specific adjustments in the comprehensive set–up menu via the display and the rotary/push knob **(1)**.

Traffic Program functions

By briefly pressing the TP/Set button, you choose the **TP mode** and set a station with traffic information. A **TA ready mode** (**T**raffic **A**nnouncement) is set up at the same time.

The letters "TP" appear in the display – see point 20.

If the current station is not a TP station, the radio automatically selects the last TP station listened to (Last Station Memory).

If this station is cannot be received, the radio will automatically search for the next TP station with a strong signal. "NO TP TP–SEEK" appears in the display. The letters "TP" appear in the display as confirmation that a TP station is being received.

If you leave the range of the selected station, you should tune to another station.

The frequencies and names of stations broadcasting traffic news announcements are frequently posted along motorways and trunk roads.

It is possible to store 6 traffic information stations in the TP mode.

TA ready mode

The TA ready mode makes it possible to listen to traffic information reports **exclusively**. These reports will be played at the programmed volume, even when the volume is set at "very quiet" – please also refer to page 8. If the range of the set traffic information station is left, the station search function will start after approximately 30 seconds.

Interrupting a traffic news announcement

In some situations it can occur that a traffic news announcement is interrupted, e.g.:

– The announcement does not apply to this stretch of road.

– The announcement is very long and the part concerning this stretch of road is complete.

Press the TP/set button **during** the announcement which is to be interrupted.

The announcement is interrupted and the previous operating mode – cassette, radio or CD – is resumed. Subsequent traffic news announcements will still be heard.

It is possible to **switch off** the traffic announcements mode permanently by exiting the TP mode.

Set-up Menu

If the TP/Set button is pressed for longer than 2 seconds, specific settings can be made and special RDS functions can be set via the display and the rotary/press knob (1).

The individual set-up menu points can be selected using either the TP/Set button it-self or by pressing one of the two rocker switches (see points **5** and **KEIN MERKER**). Any changes between the menu points will be indicated by means of an acoustic signal.

The following set-up menu points can be selected:

- GALA
- ONVOL
- TAVOL
- PHONE
- M/S
- Auto REG / REG OFF
- NAME FIX / VAR
- CD SFL M/D

If the TP/Set button is pressed for longer than 2 seconds or no settings are made for 30 seconds, then any alterations made will be stored and the set-up menu will be closed automatically. This closing pro-cedure will be indicated by means of an acoustic signal.

GALA

As road speed increases, the noise level in the car increases accordingly. In the past, radio volume had to be adjusted manually.

GALA (Speed dependent volume con-trol)will now automatically adjust the vol-ume in accordance with road speed.

The GALA function can be set to meet your individual requirements:

- Select in the menu: GALA. "SETUP GALA" and the current value are shown in the display.

- The required level is adjusted by means of the rotary/press knob (1). The value range goes from 1–9. GALA can be switched off with the "NO" setting.

If the basic volume has to be reset (when the station or cassette is changed, for example), simply adjust the rotary/press knob. The volume adjustment will continue to function automatically.

ONVOL

The maximum volume level of the radio upon switching on is set using the ONVOL value:

Normally, the last setting for the volume will automatically be used when the radio is switched on. If, however, that value is greater than the ONVOL value, the volume when switching on will automatically reset to the ONVOL value.

- Select in the menu: ONVOL. "SETUP ONVOL" and the current value are shown in the display.

- Set the value to your requirements using the rotary/press knob (1). The value range goes from 1–35.

TAVOL

The volume level for the traffic information reports can be set using the TAVOL value.

- Select in the menu: TAVOL. "SETUP TAVOL" and the current value are shown in the display.

- Set the value to your requirements using the rotary/press knob (1). The value range goes from 1–9.

PHONE

It is possible, using the PHONE function, to set-up the system to enable a telephone conversation to be heard over the loudspeaker system, if a mobile phone has been installed. The volume of this function can also be set.

● Select : PHONE in the menu.
"SETUP PHONE" and a value from 0–35 are shown in the display.

● Set the required value using the rotary/press knob (1).
The function can be switched off by selecting "0".

It is no longer to use the telephone via the loudspeaker system after the function has been switched off, and the dialling tone is no longer audible. If the telephone rings, "PHONE" will simply be shown in the display and the radio will be muted .

M/S

Using the M/S function it is possible to set whether or not the system should automatically select between optimal sound reproduction for music or the spoken word using the RDS signal..

● Select in the menu: M/S. "SETUP M/S" and the current value are shown in the display.

● Set the required value using the rotary/press knob. The function can be switched on by selecting "ON" and off by selecting "NO".

Auto REG / REG OFF

If the reception quality becomes worse, the radio will first try to find alternative frequencies for the selected station.

However, if the quality become so bad that reception becomes intermittent, the radio will also accept frequencies of a "related" station:

Programme 1 of the NDR broadcasting company, for instance, transmits different regional programmes to Schleswig–Holstein (indicator: "NDR 1 SH"), Hamburg indicator: "NDR 1 HH") and Lower Saxony (indicator: "NDR 1 NDS").

As these stations transmit different regional programmes, a change of frequency may well mean a change of programme too.

With the "Auto REG/REG OFF" function it is possible to tell the system whether or not it should only receive alternative frequencies with identical programmes using the RDS signal i.e. other regional stations should only be received "if needs be".

● Select in menu: Auto REG/REG OFF. "SETUP" will be shown in the display with the current value. The factory setting for the radio is "Auto REG".

● Set the required value using the rotary/press knob (1):

REG OFF: free selection of all stations connected through the regions.

AUTO REG: preferred frequency change to identical programme, change to regional programming "if needs be".

Name FIX / VAR

Some stations also transmit running advertising and information text along with the station name in the display.

It is possible to set whether or not this running text should be shown or not for stored stations by using the "Name FIX/VAR" function.

● Select in the menu: Name.
"SETUP Name" and the current value will be shown in the display.

● Set the required value using the rotary/press button (1). The running text can be switched on by selecting "VAR" and switched off by selecting "FIX".

The procedure for storing a station is detailed under point 9.

Note

Please ensure that the station name is always displayed when storing.

CD SFL M/D

The tracks on a CD can, if a CD changer has been installed, be played in a random order during CD operation by pressing the SFL button (see page 19).

Using the CD SFL M/D function you can decide whether the tracks of **one** CD or **all** CDs in the magazine should be played in a random order.

● Select in menu: CD SFL M/D.
"SETUP SFL" and the current value are shown in the display.

● Set the required value using the rotary/press knob.
"M" indicates that **all** CDs will be played in random order and "D" indicates that the **current** CD will be played in random order.

BR-207 c
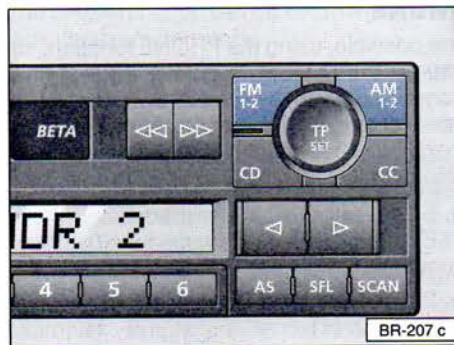
4 – Source selection buttons

FM button

The VHF wavelength can be elected by pressing the FM button.

The first memory level of the VHF wavelength can be reached by pressing the FM button once.

The second level can be reached by pressing the button again.

"FM1" appears in the display for the first memory level or "FM2" for the second – see page 23.

AM button

The MW wavelength can be selected by pressing the AM button.

The first memory level of the AM wavelengths can be reached by pressing the AM button once.

The second level can be reached by pressing the button again.

"AM1" appears the first memory level or "AM2" for the second – see page 23.

BR-208 c

BR-209 c

CD button

This button is used to select CD operation when a CD changer or player is connected.

If no CD changer or player is connected, the message "NO CD CHANGER" or "NO DISC" appears in the display when the button is pressed.

Operation of the CD changer or player is described in a separate instruction manual.

CC button

Cassette operation is selected with this button once a cassette has been inserted.

If a cassette has not been inserted then "NO TAPE" will appear in the display after the CC button has been pressed.

Please refer to page 19 for details of the functions of cassette operation.

5 – Manual setting

Radio operation

Search

Only on AM wavelength!

Briefly press the manual setting switch – the search will started in the direction as selected and the radio will select the first station with a strong signal and then stay at that frequency.

Memory list

Only on FM wavelength!

Your radio is constantly orientating itself to the station frequencies. After switching on, it automatically stores all RDS stations (see information as of page 13) in a memory list according to their PI code.
The radio uses the PI code (**P**rogramme **I**dentification) to identify a station, e.g. NDR2).

It is possible to scan backwards and forwards through this list by pressing either the left or the right hand side of the switch.

Please also refer to the further notes on next page.

Example:

The following stations are contained in the list:

NDR 1, NDR 2, Radio 3, NDR 4, ANTENNE, FFN

If you are listening to NDR2 (display reads "NDR2"). By pressing the right hand side of the rocker switch the unit selects the next station. In this case Radio 3.

Pressing this button again will select NDR4 etc.

Use the left hand side of the switch to scan the list upwards – in this example from NDR2 to NDR1.

If a station name is at a point in time not recognizable to the unit only the frequency will be shown. Once the name has been evaluated, it will be shown in the display.

If no station is available in the memory list, the unit automatically performs a "learning function" after pressing one of the search rocker switches, during which sound is muted. "LEARN" will appear in the display.

CD operation

The switch is used for audible fast forward and reverse of a track during CD operation.

BR-211 c

6 – Flashing diode

When the unit is switched off **and** the ignition key is removed, this flashing diode indicates that the radio is equipped with activated anti–theft coding.

7 – Release for detachable control panel

Press the release slightly to the left to release the detachable control panel.

The control panel falls forwards slightly and can now be removed.

8 – RDS button

First of all **RDS** (**R**adio **D**ata **S**ystem), makes it possible to show the name of the station being received in the display - "NDR 2", for example.

Previously, for stations broadcasting on several frequencies, you had to manually tune the radio to station frequency with best reception as you travelled from one area to the next. This was frequently necessary when reception conditions were poor.

Now, RDS **automatically** selects the best frequency from a list of alternative frequencies and tunes the radio to it. This process is almost entirely inaudible!

This ensures you the **best possible** reception in a transmitting range even under unfavourable reception conditions.

Operating RDS

● The RDS is switched on/off by pressing the RDS button.

"RDS ON" appears in the display when the unit is switched on.

"RDS OFF" appears briefly in the display when the unit is switched off.

When RDS is switched off, the radio will not automatically transfer to alternative frequencies.

If the radio is switched on and the RDS is switched off, "RDS OFF" will appear briefly in the display.

● When selecting a new frequency (e.g. station search, station buttons etc.) RDS is automatically switched on again.

When the RDS is switched on, stations which are not transmitting using RDS can still be received. **It is therefore recommended to leave RDS on as permanently as possible.**

If when the RDS is switched on a station is selected which is transmitting using RDS, the frequency initially appears in the display. Once the radio has evaluated the information, the frequency will be replaced by the name of the station.

● "RDS ON/OFF" can be stored together with the desired station on the station buttons.

Please also refer to the further notes on next page.

Local stations

German broadcasting companies broadcast some programmes that vary from one region to the next.

Programme 1 of the NDR broadcasting company, for instance, transmits different regional programmes to Schleswig–Holstein (indicator: "NDR 1 SH"), Hamburg indicator: "NDR 1 HH") and Lower Saxony (indicator: "NDR 1 NDS").

The radio first tries to collect only alternative frequencies for the selected station.

However, if the quality become so bad that reception becomes intermittent, the radio will also accept frequencies of a "related" NDR1 station. As such stations broadcast different programmes from time to time, such a change in frequency can also result in a different programme being heard.

For this reason the radios are set up in the factory so that RDS system will only select regional stations which have identical programme content.

If there is a change, however, the "Auto REG" setting in the set–up menu must be activated (see page 10).

General notes on RDS reception

● Depending on the strength of the signals received, it may take the radio up to several minutes to evaluate the RDS data.

● In unfavourable reception conditions (e.g. in mountainous areas), the radio will search for alternative frequencies with great regularity. This can give rise to brief muting.

● In cases of extremely bad reception where muting and/or distortions are frequent, the RDS can be temporarily switched off.

● RDS always selects the most favourable frequency from a list of alternative frequencies. If none of the alternatives provides a clear signal, you will, of course, also hear interference in RDS mode!

● It is not possible to evaluate RDS data when the signal received is too weak. In this case the frequency will remain in the display.

Storing RDS stations

When storing RDS stations, the appropriate station button should not be pressed until the station name appears in the display. This ensures that all RDS information has been evaluated and, where appropriate, automatically stored.

When selecting stored RDS stations,

the respective station name appears. If the stored frequency is not available, the radio automatically selects a suitable alternative frequency (Best station function).

if **none** of the stored alternative frequencies are available, the desired station cannot be received. A different station should be selected.

Note

Please ensure that the name of the station is shown in the display when storing. Otherwise any running text being displayed, and not the station name, will be stored along with the station data.

How does RDS work?

In many European countries **RDS** has already been introduced by a great many radio stations. These stations attempt to cover the widest possible area.

In addition to normal FM radio signals, a further, inaudible flow of digitalized information is transmitted to the RDS receiver. Amongst other things, this information controls the following functions.

● **Programme Identification (PI code)**

The PI code tells the radio which station is currently being received – e.g. NDR 2.

● **Programme Service Name (PS code)**

The PS code contains the station name, which is then shown in the display.

Some stations also transmit running advertising text along with the station name. It is possible to set whether or not this running text should be shown or not by using the "Name FIX/VAR" function.

● **Alternative Frequencies (AF code)**

Since the range of FM radio waves is quite limited, stations broadcast from several transmitters on various frequencies. The AF code provides the radio with a list of frequencies on which the station broadcasts. The radio is thus able to tune to the frequency with the best reception.

The radio switches from once frequency to another virtually inaudibly, and the station name shown in the display remains unchanged.

A practical example:

On a trip on the Autobahn from Flensburg to Göttingen you would like to listen to NDR 2. All you have to do is tune to this station at the beginning of your trip. The station name - "NDR 2" - lights up in the display.

During your entire trip, your RDS radio searches for alternative frequencies for the selected station and, when necessary, tunes to them automatically and virtually inaudibly.

● **Traffic programme (TP Code)**

The TP code informs the radio when a traffic news station is being received.

● **Traffic announcement (TA Code)**

The radio uses the TA code to recognize a traffic news announcement. If the radio is muted or in cassette mode, the radio automatically switches to traffic news announcements at an easily audible volume.

In EON mode – see next point – the TA code of a non–TP station refers the radio to a TP station of the same network currently broadcasting an announcement.

● **EON (Enhanced information concerning Other Networks)**

EON is an RDS function which ensures that all traffic news announcements from a particular broadcasting company are played.

Larger broadcasting companies, e.g. NDR often broadcast different programmes simultaneously – e.g. NDR 1, NDR 2, Radio 3 etc.

Regardless of which station is currently being listened to, all TP announcements of the other programmes of the broadcasting company are played.

Example

The radio is currently tuned to Radio 3. If a TP announcement is made on NDR2, the radio will automatically change frequencies and the NDR2 announcement will be played. During this process the letters "EON" appear in the display.

At the end of the announcement the radio switches back to the original programme Radio 3.

● **Music/Speech switch (MS code)**

During a speech programme, the radio will automatically switch the frequency response to increase speech clarity.

● **Disaster announcements (RDS code PTY 31)**

Disaster announcements have priority over all other functions.

BR-212 c

BR-213 c

9 – Station buttons

A maximum of 30 stations can be stored on the 6 station buttons and the different memory levels.

FM1 / FM2 = 6 stations each,
AM1 / AM2 = 6 stations each,
TP = 6 stations.

"FM2" signifies that you are on the second memory level. You can switch between the memory levels by pressing the FM or AM button **(4)**.

Manually storing

- Select desired waveband **(3, 4)**.
- Tune radio to desired station **(12)**.
- Press the button on which the station is to be stored and hold until the programme is muted and a signal is emitted. The station is now stored. The number of the station button appears in the display – see Point 19.

Note

Please ensure that the name of the station is shown in the display when storing. Otherwise any running text being displayed, and not the station name, will be stored along with the station data.

10 – Detachable control panel*

This is part of the anti–theft system as the radio cannot function without the control panel.

It has the same functionality as the station buttons in all other points **(9)**.

Never leave the control panel on the unit when you leave the vehicle!

Removing

To remove the detachable control panel press the release (see point 7) slightly to the left.

The control panel will fall slightly forwards and can now be removed.

Inserting

Carefully place the control panel into the radio housing with the right side first. Then press the left side of the control panel in until it can be clearly be heard to engage.

If the control panel is not installed or has been incorrectly inserted the words "FRONT MISSING" will appear in the display.

If this is the case, repeat the insertion procedure as detailed above.

BR-214 c

BR-215 c

11 –Manual tuning using rocker switch

Radio operation

The stations can be selected manually using this switch.

● Press one side of the rocker switch:
The letters "MAN" and the current frequency appear in the display.

● Press button briefly:
Tuning changes in single steps (100 kHz for FM, 9 kHz for AM).

● Hold button down:
Tuning changes rapidly. The radio is muted so long as the button is kept pressed.

Note (only for TP and FM)

When using manual tuning by frequency, alternative frequencies are not automatically selected and the station name is not displayed.

CD operation

The rocker switch can be used to select tracks when the CD player is being used .

12 –AS button

In the AS mode it is possible to automatically store RDS stations with the strongest signals in a user friendly fashion.

Using the AS function it is possible to store 6 stations on the AM2, FM2 and TP wavelengths, or to use all 30 memory places.

Automatic storing

Storing 6 stations

● Select the wavelength (AM2, FM2 or TP).

● Press the AS button for approximately 2 seconds. "STORE" appears in the display. The 6 RDS stations with the strongest signals on the FM 2 wavelength are automatically stored.

Storing 30 stations

● Press the AS button for longer than 10 seconds. "FM–AM STORE 30" appears in the display. The 30 RDS stations with the strongest signals on the FM1, FM2, AM1, AM2 and TP wavelengths have now been stored.

● Once the storing process is completed, the radio automatically tunes to the station with the strongest signal.

● The stations stored can now be selected using the station buttons.

Operating cassette player

13 –SFL button

The tracks on a CD can, if a CD changer or CD player has been installed, be played in a random order during CD operation by pressing the SFL button.

Using the CD SFL M/D function you can decide whether the tracks of **one** CD or **all** CDs in the magazine should be played in a random order (see page 10).

14 –SCAN button

Radio operation

The stations found on a wavelength (TP, FM and AM) can be played successively for approximately 5 seconds.

Starting SCAN function

● Select the desired wavelength using the mode buttons (see page 10).

● Press the SCAN button.

The letters "SCAN" appear in the display and the station name is shown. The system will switch to another station after approximately 5 seconds.

Stopping SCAN function

● Press the SCAN button again.

The current station will remain in the display and the SCAN function is finished.

Note

The SCAN function will be repeated if a station is not selected after the system has gone through the scale once.

CD operation

The tracks of one CD or of all the CDs in the CD changer can be played briefly by pressing the SCAN button.

BR-216 c
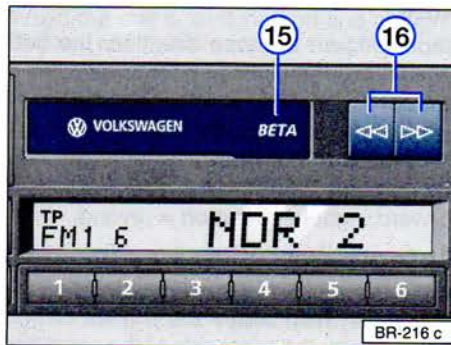
15 –Cassette slot

Fully insert cassette into slot with exposed side of tape facing to the right.

Note

The unit is designed for use with chrome dioxide cassettes. When using ferric oxide cassettes we recommend turning up the treble control slightly, to obtain a more balanced sound.

16 –Button for cassette/ radio and cassette ejection

Fast forward and rewind

● Push fast forward or rewind button to lock in rapid winding.

The fast forward mode is indicated by "WIND" in the display.

Rapid winding is cancelled by pressing one or both the rapid wind buttons.

At the end of the tape, this unit automatically switches to the other side and begins play-back (autoreverse).

Note

Depending on the tape direction, the buttons switch functions:

Normal direction:
right-hand button = fast forward,
left-hand button = rewind.

Reverse direction: left-hand button = fast forward; right-hand button = rewind.

Autoreverse

● During playback, press both buttons simultaneously **half way** – the unit will switch over and play the other side of the cassette.

The tape direction is shown in the display:

"Play FOR" = normal direction

"Play REV" = reverse direction.

If the cassette player suddenly begins playing the other side of the tape during a selection, it might be because the tape does not spool easily enough. This may be remedied by winding the tape backwards and forwards a few times. If this does not help, change cassettes.

At the end of the tape, this unit automatically switches to the other side and begins play-back (autoreverse).

Cassette eject

● During playback, simultaneously press both buttons **fully in** – the cassette is ejected.

Cassette mode and traffic news

When a cassette is inserted, the unit automatically switches to cassette mode.

If TP mode is then selected, cassette playback is interrupted for traffic news announcements.

If the transmitting range of the station is left, the radio automatically selects a new traffic news station.

A traffic news announcement can be interrupted to return to cassette playback by pressing the TP button.

Any subsequent traffic news announcement will still be played.

Tips on the operation of the cassette player

This unit features an automatic tape type selector and is suitable for use with Cr (chrome dioxide), and FeCr (ferro-chrome) tapes. To ensure trouble-free cassette play, use only cassettes made by well-known manufacturers.

If a pre-recorded cassette shows signs of defect, it is advisable to copy it onto a cassette made by a well-known manufacturer.

To prevent defects caused by the tapes themselves, it is recommended that the recording time of tapes used not exceed 90 minutes (C90 cassettes). Sixty minute cassettes (C60) are well suited for use.

Do not stick additional labels on the cassette casing. Due to the heat generated during cassette operation, these could become loose and cause malfunctioning!

Never leave cassettes in the car for long periods when they are exposed to very low (less than +14 º F/–10 º C) or very high temperatures (above 122 º F / + 50 º C). Remember that temperatures inside the car can be considerably higher than outside temperatures.

Also prevent direct exposure to sunlight. The best place to store cassettes is in the hinged boxes they come in or a Genuine Volkswagen Storage Box with spool detent, which is available for most vehicles.

If after a while (approx. 100 hours play, depending on tape type) playback becomes unclear, it could be that the tape head is soiled with tape particles. These can be cleaned away using a wet cleaning cassette. Only use cleaning tapes made by well known manufacturers and follow the manufacturer's instructions.

This car radio also has the attractive option of controlling the Genuine Volkswagen CD changer*.

The operation of the CD magazine is described in a separate manual.

Volkswagen dealers have all the information concerning retrofitting the magazine.

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* Available factory fitted. Retrofitting should be done by a Volkswagen dealer.

Anti-theft coding

When the unit is switched off and the ignition key has been removed, flashing diode 7 will show that the unit is a radio with an anti–theft coding function.

The anti-theft coding will electronically prevent unauthorized persons from operating the unit if it has been removed from the vehicle.

Convenience radio coding

For technical reasons, the convenience radio coding is not available for all vehicle models.

In the past one had to recode the radio manually every time the unit was removed or when the vehicle battery had been disengaged.

That has all changed with the new convenience radio coding function: Once the code number has been input in the radio it will then be stored in the vehicle!

If the current supply has been interrupted the radio will automatically compare "its" code number with the one stored in the vehicle. If the code numbers are identical the radio will be ready for use after just a few seconds.

It is therefore no longer necessary to disengage the electronic lock manually!

If the code numbers are not identical, however, because the radio has been fitted to another vehicle, for example, the electronic lock will have to be disengaged manually.

This code number, together with the unit's serial number, can be found on the "Radio Card" at the front of this instruction manual, next to the contents.

It is very important that you detach this "Radio Card" and keep it in a safe place - never keep it in the vehicle. Only then is the radio useless to thieves!

Cancelling the electronic lock

If for any reason your radio has been electronically locked - for example if the battery has been disconnected or the radio fuse has blown - the word "SAFE" will appear in the display when the radio is switched on.

To cancel the electronic lock, you must enter the **correct** code number.

It is essential that the following steps be carried out in the correct order:

● Turn on the radio - the word "SAFE" appears in the display.

● "1000" will appear in the display after approximately 3 seconds.

If, however, "SAFE" is still shown – together with a small "2" – in the left of the display, the radio is blocked! The radio must remain switched on for 1 hour to lift this block.

● Input the code number attached to the code card using the station buttons **(9)**. Use **button 1 to input the first digit** of the code number, **button 2 to input the second digit**, and so on.

● Then press either the search or the manual setting rocker switch for longer than 2 seconds. Release button!

● A frequency will be shown automatically shortly after the correct code has been input.

The radio can now be used again!

Incorrect Code Number

Should you inadvertently input the incorrect code number in attempting to release the electronic lock, the word "SAFE" will appear in the display - first blinking and then continuously.

You can now repeat the entire cancelling procedure **once.** The number of attempts will be shown in the display.

If you input another incorrect number, your radio will be blocked for approximately one hour, i.e. the radio will not play. **This will be visible through the small "2" in the bottom left of the display.** After an hour, the radio must remain switched on, the display with the number of attempts goes out and you can cancel the electronic lock as described above.

This cycle - two attempts, one hour lock - will remain the same.

Note

If the radio card with code number should be lost, please contact a Volkswagen dealer. There you will get all assistance without any expense.

Display
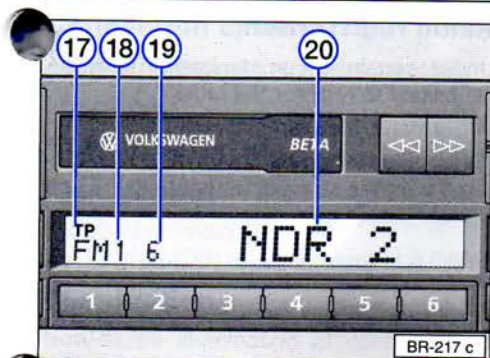
Radio operation

17 –TP display

18 –Wavelength indicator (FM, AM, TP)

19 –Preset station indicator

20 –Station name/frequency

The station name will be shown instead of the frequency if the RDS function is switched on (see page 13)

Points concerning your car radio

Warranty

The warranty conditions that apply to our new cars also apply to our radio systems.

Note

If a warranty claim is made during the warranty period, the unit will be repaired free of charge by any Volkswagen dealer - provided that the damage was not caused by improper treatment or attempts to repair it by non-qualified persons, and that the unit has no external damage.

Exchange service

After expiration of the warranty period, a radio in need of repair can be exchanged at a reasonable price for a completely reconditioned ratio in as-new condition covered by an exchange-part warranty. However, this is only on the condition that the radio has no external damage and that no unauthorized person has attempted to repair it.

Note:

When you place a warranty claim or make use of the exchange service, you must always present your Radio Card with the code number and serial numbers to the Volkswagen dealer!

Radio registration

Under certain circumstances, it may be necessary to register the radio.

In Germany, for example:

Radios used in company cars must be registered with the relevant authorities.

Brief technical description

Connection options

Automatic aerial, active loudspeakers.

Displays

Station selection

Max. output

2 x 20 Watt (max),
2 x 17 Watt (DIN measurement at 4 Ohm).

Illumination

Non–dazzle illumination of controls from within (night design), brightness controlled with instrument lighting.

Waveband selection

Touch buttons

Cassette player

Wear-resistant; high-performance sound head; fast forward and rewind buttons; automatic tape stop with switchover to radio reception for traffic news announcements; autoreverse.

Anti-theft coding

Radio is electronically locked up if current supply is interrupted. Unit can only be re-used when the correct code number is input.

Frequency ranges

FM (VHF) AM (MW).

Suppression

Automatic suppression in radio largely eliminates interference in FM mode.

Specially tuned suppressors largely eliminates all interference impulses from the engine and other parts of the electrical system e.g. heater blowers, windscreen wipers, cooler fan etc.

Station selection

In radio mode, automatic selection of last station tuned in before radio switched off (last station memory).

Six station buttons for AM1/AM2, FM1/FM2 and TP stations. Direct manual tuning for RDS stations. Manual tuning up-band and down–band. Microcomputer-controlled frequency stabilization (PLL quartz tuning).

Traffic news feature

Automatic station finder, automatic traffic news announcement function, switch to "mono" for traffic news announcements.

Sound reproduction

Stereo (radio and cassette and CD), active tone control, fader integrated into radio, speed-dependent volume control (GALA), multi-speaker system.

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3.4 Radioanlage beta | Bedienung | englisch 10.00 - 211.556.RAB.20