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System security

Anti-theft protection panel

To deter would-be thieves, Ford audio units have a removable front panel without which the unit will not work.

Whenever you leave your vehicle, slide the release button to the left and remove the panel. Then take it with you. It is small enough to clip in your pocket or be retained in a case or bag.

Upon returning, refit the panel by fitting the right-hand side first, then pushing home the left-hand side until the retaining latch is engaged. The unit will then operate normally.

Note: Avoid touching the contacts on the back of the panel and do not use excessive force to refit it.

If you require a replacement anti-theft protection panel, these are only available from your Ford dealer. In order to retain the integrity of the anti-theft protection, your dealer will require the following documentation when you order a replacement panel:

- 1 Your name and address.
- 2 The Vehicle Identification Number (visible on a plate mounted in the engine bay).
- 3 The audio unit type (eg. 3000, 5000).
- 4 Proof of identification (eg. Driver's Licence, Identity Card).
- 5 A Vehicle Invoice (if the audio unit was installed in the vehicle prior to delivery) or Parts Invoice if the audio unit was purchased in isolation from the vehicle or an appropriate Vehicle Registration document.

Keycode anti-theft coding

Whenever power is interrupted - if the battery is disconnected or the radio removed from the vehicle - Ford audio units will not work again until the correct Keycode number has been reprogrammed into the unit.

When you take delivery of your vehicle, the Keycode should be noted on the Keycode card at the front of this Audio Guide. Detach the card and keep it in a safe place, but not inside your vehicle.

If you lose the Keycode, contact your dealer and supply details of your audio unit along with some proof of identity. Your dealer will then obtain the correct code from Ford Motor Company Limited.

When the radio is installed or battery reconnected, the display on 5000 and 7000 models will show the Vehicle Identification Coding if this has been programmed (see page 4). Press any Preset button to move onto the Keycode entry display.

To enter a Keycode

If you switch on the audio unit and 'CODE' or '---' flash in the display you must enter a Keycode before the unit is operational.

- 1 Use the station preset buttons to enter your Keycode. Press button 1 repeatedly until the correct first digit is shown in the display.
- 2 Then press preset buttons 2, 3 and 4 in the same way for remaining digits, until the complete correct Keycode is shown.
- 3 Press preset button 5 to enter the Keycode. The audio unit will then operate.

Warning! Ford audio units will accept only up to TEN attempts at Keycode entry. A numeral in the display indicates the current attempt number.

If a wrong entry is made, the display reverts to 'CODE' and another attempt may be made.

After a third incorrect entry attempt, a 30 minute delay ensues before a fourth try may be attempted. The display shows 'WAIT 30.00' with the time counting down to zero.

When 'CODE' is displayed again, the unit is ready for another Keycode attempt.

This procedure must then be followed between each single successive entry attempt, up to a total of TEN.

After ten incorrect Keycode entry attempts, 'LOCK' or 'LOCKED' will appear in the display to confirm the unit is locked out. The unit will then be permanently inoperative. Contact your local Ford dealer if this should happen for help and advice.

Alternative displays...

CODE

1234

Or...

CODE

CODE 1234

Alternative displays...

WAIT 30

LOCK 10

Or...

WAIT 30.00

LOCKED

System security

Vehicle identification coding

In addition to a Keycode, 5000 and 7000 series audio units will also store a vehicle identification coding.

Once entered, this code will be displayed when power is reconnected, to help police trace the unit's owner. To enter or alter this code:

- 1 Press and hold the 'MENU' button for two seconds until the menu appears on the display.
Successive presses of 'MENU' then cycle through the menu.
Stop on 'VID - - - -'.
- 2 To view the current vehicle identification, press the 'SEEK' control.
- 3 To enter or alter the code, enter the current Keycode using the station preset buttons.
- 4 The audio unit mutes and the display shows either a previously entered vehicle code or a flashing cursor.
- 5 Use the 'SEEK' control to scroll forwards or backwards through the sixteen character display available. A numeral in the display indicates the digit selected, use the 'VOLUME' control to alter the display shown. If a coding with fewer than eight characters is used, the code will be centred, otherwise it will automatically scroll across the display.
- 6 When programming is complete, press 'MENU' again to enter the coding. The unit then operates normally.
- 7 To check vehicle identification coding repeat step one. After a short delay, the code will be displayed; alternatively, press 'SEEK' to check the coding entered.

V I D - - - -

N 123456

RDS and RDS-EON functions

Audio units equipped with RDS or RDS-EON decoders pick up inaudible signals transmitted on the FM waveband. When tuned to stations transmitting such signals, additional audio unit functions may be provided. The chart below provides details about which functions are available from different audio units.

RDS and RDS-EON audio unit functions	Audio units			
	3000	3000 TRAFFIC	4000 TRAFFIC	5000 RDS-EON
Traffic announcements (TA)				
- from RDS station selected		•	•	•
- from RDS station selected & linked RDS-EON stations				•
- local/distant selection				•
Preset update				•
Programme identification seek (PI)		•	•	•
Alternative Frequency tuning (AF)		•	•	•
Station name displays				•
Clock and date displays				•
News				•
Programme type tuning (PTY)				•

Note: Certain RDS & RDS-EON functions may not be available from all radio stations.

RDS and RDS-EON functions

To obtain traffic announcements (TA)

If the station to which the unit is tuned broadcasts traffic announcements, 'TP' (Traffic Programme) will show in the display. **TP** indicates that RDS-EON traffic announcements will also be received.

To obtain traffic announcements at a preset volume level, press the 'TA' button. 'TA' will show in the display. If the unit is not already tuned to a traffic station, it will search across the FM waveband, locking onto the next traffic station available.

If no signal is found, after searching once around the FM waveband, 'Not Found' will be displayed. While searching, the display shows... 'TP SEEK' or 'SEEK TP'.

If a selected traffic station becomes too weak to provide traffic information, and assuming there is no valid alternative frequency for that station, 'TP' will flash in the display (not 3000/4000 TRAFFIC). Tune to another traffic station by pressing the 'SEEK' button. If the radio volume has been turned to zero or tape or CD playback is selected, the radio will automatically retune to another traffic station with a stronger signal, after a four minute delay.

To end a traffic announcement

Whenever a traffic announcement ends, the unit returns to the original radio, tape or CD playback.

Press the 'TA' button during a traffic announcement to abort that traffic interrupt, or at any other time to switch off the traffic function.

RDS-EON traffic interrupts

When tuned to an RDS-EON station, an RDS-EON audio unit will keep track of linked traffic stations in the area. Traffic announcements from these stations will automatically interrupt the radio reception from the tuned station or pause tape or CD playback.

If a linked traffic station signal is weak or of poor quality, 'EON-TA' appears in the display. The audio unit mutes briefly, before returning to the original radio reception.

TP SEEK
87.5 FM TA

Alternative display...

SEEK TP

Local or Distant traffic announcements

In some areas, EON traffic announcements may become excessive.

In 'Local' mode, traffic interrupts are limited to those from close by. In 'Distant' mode, the unit will accept traffic interrupts from a wider area.

The display shows 'TA-L' or 'TA-D' to indicate the mode selected.

Preset update

When driving to another area with the audio unit tuned to certain RDS-EON stations, linked stations stored on other presets are automatically updated to the strongest frequency to avoid time wasting PI seeks.

Programme identification (PI) seek

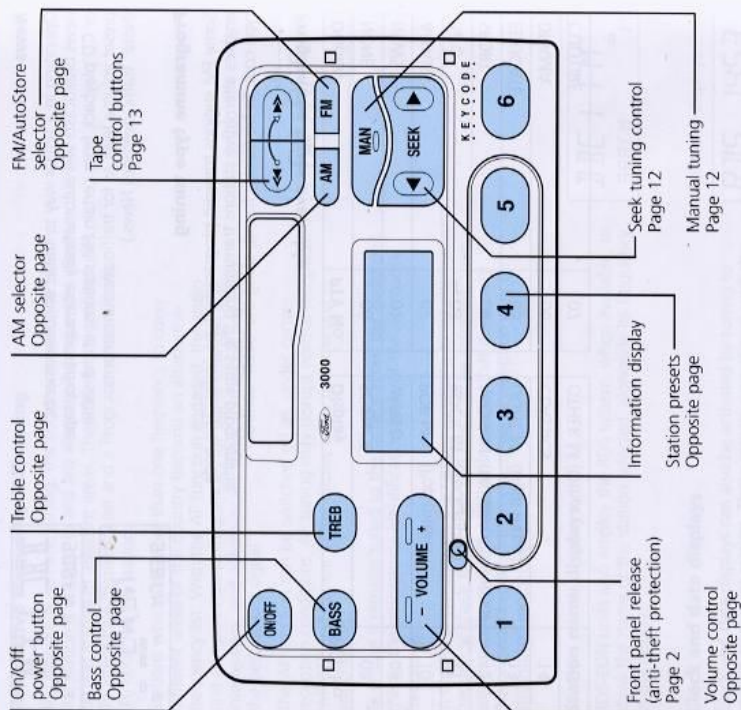
If an RDS station stored on a preset is selected:

- 1 The radio attempts to find the station last stored on that preset. If, after checking all known Alternative Frequencies (AF's), no strong station is found...
- 2 The radio carries out a PI seek once across the waveband.
- 3 It will then unmute on a station with the same PI if one exists, or...
- 4 It will return to the original stored frequency, display 'Not found' and unmute.

BBC 1 FM
98.8 FM TP TA-L

PI SEEK
87.5 FM

PI SEEK
Not Found



On/Off Power button

This button can also operate the unit for up to one hour with the ignition turned off. The radio automatically switches off after one hour.

Bass control

Press 'BASS', then use the 'VOLUME' button for bass adjustment. 'BASS' and the level selected appears in the display.

Treble control

Press 'TREB', then use the 'VOLUME' button for treble adjustment. 'TREB' and the level selected appears in the display.

Volume control

Press and the display indicates the level selected.

AM selector

Press to select the AM (LW+MW) waveband.

FM/AutoStore selector

- Press sequentially to select FM1, FM2 or AutoStore bands. The display indicates the selection made.
- Press and hold to activate AutoStore (See page 12).

Station presets

Select a waveband and tune to the frequency required. To store that station, press and hold one of the six preset buttons. The radio mutes momentarily before sound is restored to confirm the selected station has been stored.

24 preset frequencies can be stored - six on each of the AM (LW+MW), FM1, FM2 and AutoStore bands.

BASS +2

TREB -3

VOL 12

198 LW

96.2 FM 1

Seek tuning control

Press '◀' or '▶' to locate the next station down or up the waveband selected.

Manual tuning

Press 'MAN' button and use the 'SEEK' button to tune up or down the waveband. 'MAN' appears in the display. Press again to revert to normal operation. (FM allows 50kHz tuning steps, AM 9kHz steps).

Stereo indicator

This illuminates whenever a stereo signal is received. If the signal weakens, the radio will blend to mono reception. The indicator will flicker and then go out; if the signal weakens and is finally lost.

AutoStore

Using AutoStore (AST), the six strongest FM station signals can be rapidly found and stored.

When activated, AST flashes and scrolling frequencies are visible in the display while the unit tunes through the FM frequencies available locally, and stores six strong station signals. The unit unmutes on preset 1 and displays the frequency of the station selected.

Any of the stored stations can be selected using the preset buttons.

With AutoStore selected and using the 'SEEK' button, AutoStore can also be used as an additional waveband on which to store six FM frequencies.

96.2 s FM
MAN

96.2 s FM
MAN

Tape control buttons

Insert a tape and playback will automatically override radio transmission. 'TAPE' appears in the display.

On/off, bass, treble and volume controls all operate in the normal way during tape playback.

- Tape eject**

Press both '◀' and '▶' buttons fully in to eject the tape and restore radio transmission.

- Fast forward/rewind**

Press '▶' button fully for fast forward. Press and release '◀' button to end fast forward and restart the tape. If the end of the tape is reached, eject the cassette, turn it over and reinsert to restart playback.

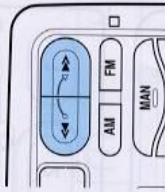
Press '◀' button fully for rewind. Press and release '▶' button to end rewind and restart the tape. If the beginning of the tape is reached, press both '◀' and '▶' buttons part way in to restart playback.

If rewind is engaged during radio reception, tape playback will automatically restart when the beginning of the tape is reached.

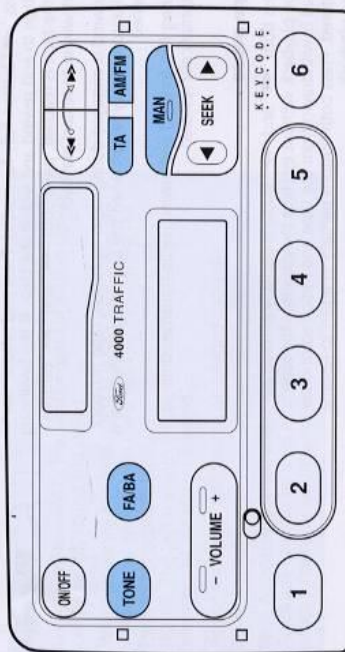
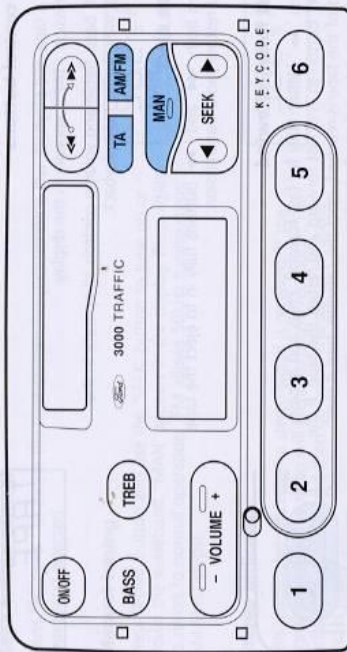
During fast forward and rewind, radio transmission is automatically restored.

- Tape pause**

Press both '◀' and '▶' buttons partially in to pause tape playback without ejecting the cassette. The tape head is withdrawn from the tape and radio reception is restored. Press both buttons partially in again to resume tape playback.



3000 TRAFFIC and 4000 TRAFFIC



All 3000 TRAFFIC and 4000 TRAFFIC controls operate as described for the 3000 audio unit (on pages 10/13), except:

Waveband/AutoStore selector

- Press sequentially to select AM (LW+MW), FM1, FM2 and AutoStore bands.
- Press and hold to activate AutoStore (See page 12).

Traffic announcements (TA)/traffic volume level

- Press the 'TA' button to obtain RDS traffic information. 'TA' appears in the display. 'TP' (Traffic Programme) is shown when tuned to a station which broadcasts traffic information. 'TRAFFIC' is displayed during a broadcast traffic announcement.
If a non traffic station is recalled using a preset button or manual tuning, the radio will remain on that station unless:
 - 'TA' is turned off, then on again.
 - The volume control is set to zero. After four minutes the audio unit will automatically return to another traffic station.
 - 'SEEK' is pressed to search for another traffic station.
- Press and hold the 'TA' button to adjust traffic announcement volume levels. Use the 'VOLUME' control to make the adjustment. The display shows the level selected until the unit reverts to normal operation.

Manual tuning/AF selector

- Press 'MAN' button then use the 'SEEK' button to tune the radio manually up or down the waveband. 'MAN' appears in the display, until the unit reverts to normal operation.
- Press and hold the 'MAN' button to turn Alternative Frequency mode on or off (See page 8). The display will show 'AF On' or 'AF Off'. With 'AF On', if the station selected has alternative frequencies, 'AF' appears in the display and the audio unit will, automatically, retune to a stronger alternative frequency when available.

Tone button

Press once for bass or twice for treble and use the 'VOLUME' control for adjustments. The display indicates the level selected.

Fade/balance control

The 4000 TRAFFIC has four speakers and a separate 'FA/BA' control. Press this once for fade (front to rear), or twice for balance (left to right) and use the 'VOLUME' control for sound system adjustment. The display indicates the level selected.

103.8 FM
TA TP

TRAFFIC

TA 12

98.2 s FM
MAN

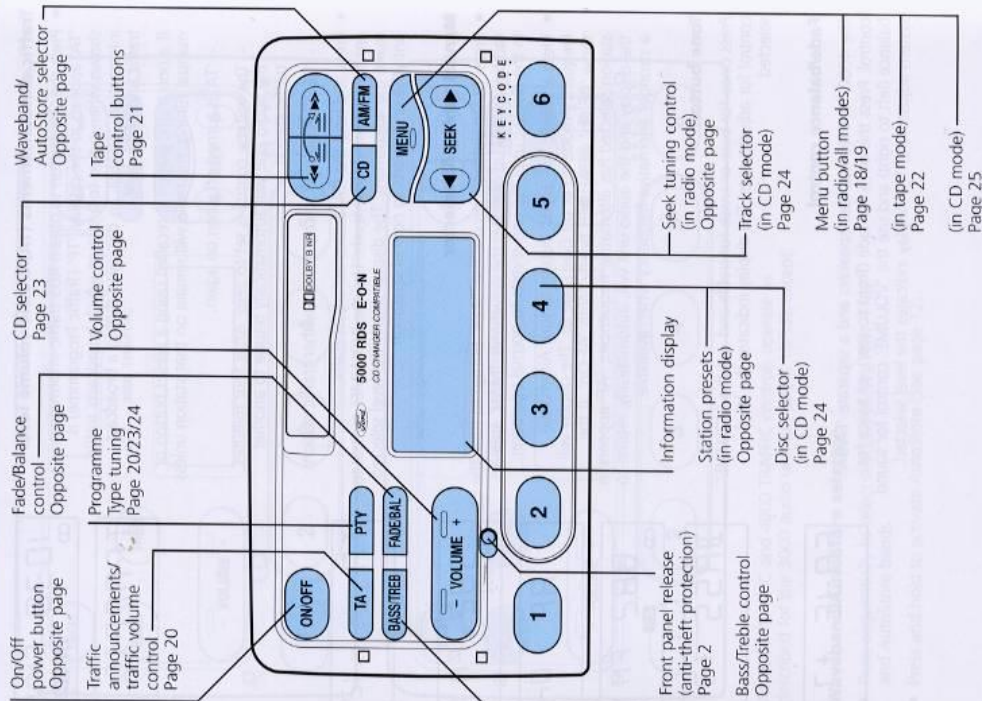
AF On

98.2 FM
AF

BASS +3

FADE +7

5000 RDS-EON CD CHANGER COMPATIBLE



On/Off Power button

This button can also operate the unit for up to one hour with the ignition turned off. The radio automatically switches off after one hour.

Bass/Treble control

Press 'BASS/TREB' once for bass or twice for treble and use the 'VOLUME' control for adjustment. The display indicates the level selected.

Fade/Balance control

Press 'FADE/BAL' once for fade (front to rear) or twice for balance (left to right), and use the 'VOLUME' control for sound system adjustment. The display indicates the level selected.

Volume control

Press and the display indicates the level selected.

Waveband/AutoStore selector

- Press while in tape or CD mode to return to radio.
- Press sequentially, in radio mode, to select AM (LW+MW), FM1, FM2 or AutoStore. The display indicates the selection made.
- Press and hold, in radio mode, to activate AutoStore (See page 12).

Seek tuning control

In radio mode, press '◀' or '▶' to locate the next station down or up the waveband selected.

Station presets

In radio mode, select a waveband and tune to the frequency required. To store that station, press and hold one of the six preset buttons. The radio mutes momentarily before sound is restored to confirm the selected station has been stored. A numeral, bottom right, in the display indicates the preset selected.

24 preset frequencies can be stored - six on each of the AM (LW+MW), FM1, FM2 and AutoStore bands.

BASS +3

BAL RS

VOL 12

AM display...

LW 198
FM

FM displays...

FM 98.8
FM 1

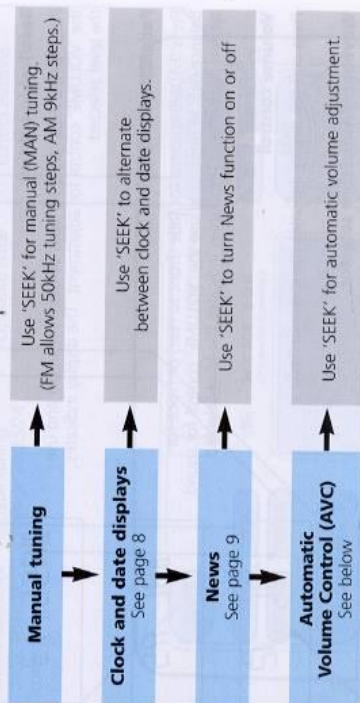
BBC 1 FM
98.8 FM

5000 RDS-EON CD CHANGER COMPATIBLE

Menu button

Note: After any adjustment using the 'SEEK' control, pressing the 'MENU' button again will restore normal operation.

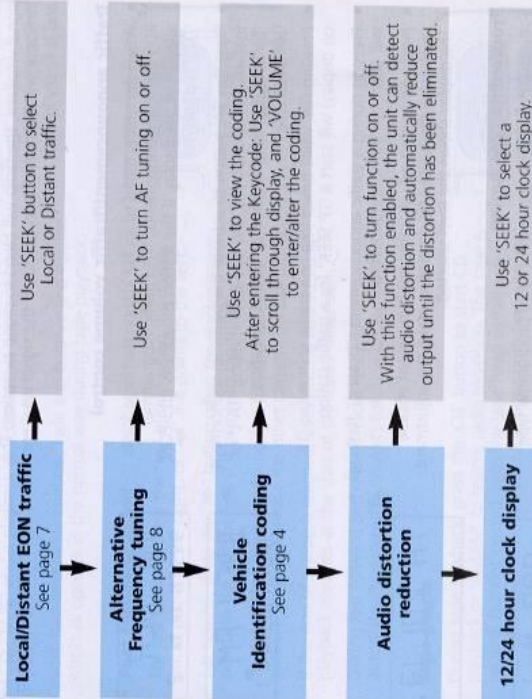
- In radio mode, press sequentially to obtain the following main menu functions:



Automatic Volume Control

To compensate for changing ambient noise levels, 5000 and 7000 audio units have Automatic Volume Control. This allows a level of volume compensation between 'AVC-Off' and 'AVC+7' to be selected. This level will be shown, briefly, in the display. Note: Although adjustment appears possible, it is not applicable to all vehicles.

- In radio, tape or CD mode, press and hold the 'MENU' button to access additional menu functions, then press sequentially to cycle through the following functions:



5000 RDS-EON CD CHANGER COMPATIBLE

Stereo indicator

This illuminates whenever a stereo signal is received. If the signal weakens, the radio will blend to mono reception. The indicator will flicker and then go out, if the signal weakens and is finally lost.

BBC 1 FM
94.9 FM TP TA 2

Traffic announcement/traffic volume control

- When the unit is tuned to an FM station that broadcasts RDS traffic announcements, 'TP' (Traffic Programme) appears in the display. If the station broadcasts RDS-EON, 'TA' is displayed.
- Press the 'TA' button to activate the traffic announcement feature. 'TA' is displayed. On RDS-EON stations, 'TA-I' or 'TA-D' is displayed for local or distant operation (see page 19).
- Pressing 'TA' while tuned to a non traffic station (no 'TP' on display) will start a 'TP SEEK' for a traffic station.
- Pressing during a traffic announcement ('TRAFFIC' flashing) will abort the traffic announcement.
- Press and hold to adjust traffic announcement volume levels. Use the 'VOLUME' control to make the adjustment. The display shows the level selected.

BBC 6LR
94.9 FM TP TA 2

BBC 1 FM
98.8 FM TP TA-D 1

TA VOL 13

Programme type tuning

- Press 'PTY' to show the current radio programme type, (eg. 'SPORT', 'POP M', 'CLASSICS').
- While 'PTY' is displayed, use the 'SEEK' control to locate other stations broadcasting the same type of programme. Or, while 'PTY' is displayed, use the 'VOLUME' control to select another programme type. (See page 9) and then 'SEEK' to locate it.
- While searching, the unit displays the programme type requested, and 'PTY' flashes. When a new station is found the station name and programme type alternate in the display and 'PTY' stops flashing. If required, press 'SEEK' again to locate another alternative station whilst 'PTY' is displayed. If no station is found, the display shows 'Not found' and, the radio returns to the original station.
- Press and hold to quick-select news function. 'NEWS' appears in the display to confirm the selection. Press and hold again to cancel.
- Pressing during a news broadcast ('NEWS' flashing) will abort the news broadcast. (See page 9).

POP M
98.8 FM TP TA-D 1

Not Found

BBC 1 FM
98.8 FM TP TA-D 1

Tape control buttons

Insert a tape and playback will automatically override radio or CD. 'TAPE' and a playback direction arrow appear in the display.

TAPE
FM 5

On/off, bass and treble controls, fade and balance and volume controls all operate in the normal way during tape playback.

Fast forward/rewind

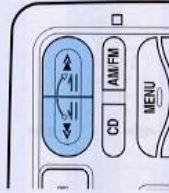
For fast forward, press the 'FF' button when the display arrow points to the right, or 'RR' if it points to the left.

For rewind, press the 'RR' button when the display arrow points to the left, or 'FF' if it points to the right.

To restart tape playback during fast forward or rewind, partially press and release the other cassette control button.

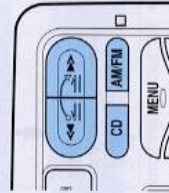
If the end of a tape is reached, auto reverse operates and playback resumes at the start of the tape's other side.

During fast forward and rewind, radio reception is automatically restored (with AMS function turned off).



Tape pause

During tape playback, press the 'CD' button to start CD playback or 'AM/FM' to restore radio reception. The tape is paused, but not ejected, with the tape head withdrawn from the tape. To restart the tape, press both 'FF' and 'RR' buttons partially in.



Tape side selection

During tape playback, press both 'FL' and 'FR' buttons partially in to change the tape side being played. The direction of the arrow in the display also changes to confirm the selection.

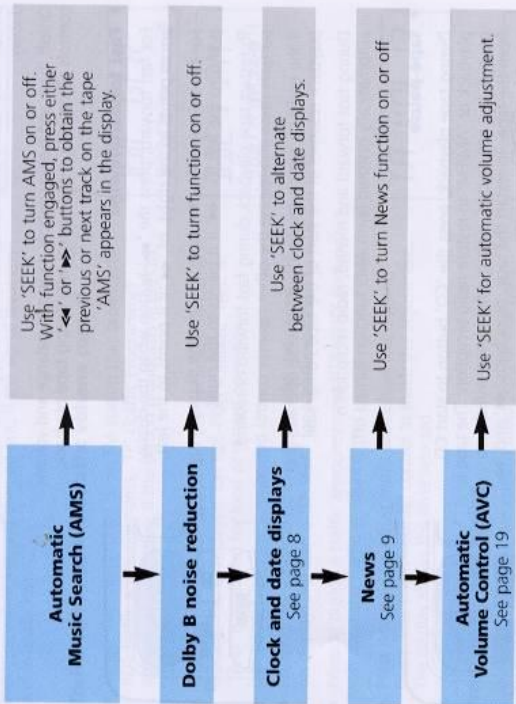
Tape eject

Press both 'FL' and 'FR' buttons fully in to eject the cassette and restore radio reception.

5000 RDS-EON CD CHANGER COMPATIBLE

Menu button

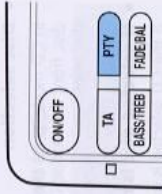
- In tape mode, press sequentially to obtain the following main menu functions:



- For further functions in all modes, see page 19.

Programme type searching during Tape or CD

During tape or CD playback, press the 'PTY' button to display the current radio programme type. With 'PTY' displayed, use the 'VOLUME' control to cycle through alternative programme types, or, with 'PTY' displayed, press the 'SEEK' control and the unit searches in the background for a station with the programme type identified. When one is found, it pauses tape or CD playback and restores radio reception from the station found. During the search, 'PTY' flashes in the display. Press 'PTY' again to cancel the search.



CD selector button

This unit is compatible with a CD changer.

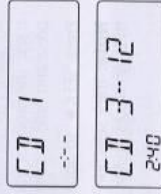
To play a CD

Press the 'CD' button. The unit mutes and 'CD' appears in the display along with a flashing number to indicate the disc selected. Playback commences and overrides radio or tape playback.

During normal operation, CDs and tracks are automatically selected and played sequentially in ascending order. Disc one follows the end of disc six.

The display indicates elapsed track time up to 19:59. If the track is longer than twenty minutes, the first digit flashes while the rest of the numeral returns to zero and starts counting again.

On/off, bass, treble, fade, balance and volume controls all operate in the normal way during CD playback.



If CD changer or magazine is not fitted

If 'CD' is pressed when a CD changer is not fitted, 'NO CD' appears in the display and radio or tape playback will continue uninterrupted.

If a changer is fitted but its magazine is missing or incorrectly inserted when the 'CD' button is pressed, 'NO DISC' appears in the display and radio reception is resumed.

5000 RDS-EON CD CHANGER COMPATIBLE

• Disc selection

In CD mode, press the preset buttons to select and play a disc from the six disc CD changer. The unit mutes during disc selection.

• If selected disc is missing

If the CD selected is missing, 'NO DISC' is displayed and the unit selects the next available disc.

During normal operation, the unit memorises disc availability. Thereafter it will not engage a disc selected that it knows to be missing. Instead, 'NO DISC' appears in the display and the current disc remains selected.

If a selected disc is damaged or upside down, 'CHECK' 'DISC' and the disc number are displayed, and the unit will select the next available disc.

• Track selection

Press '◀ SEEK' to return to the start of the track being played. If pressed within three seconds of the start of a track, the previous track will be selected. Press twice or press and hold to select previous tracks.

Press 'SEEK ▶' to obtain the next track.

Note: Track selection, forward or backwards, cycles only through tracks on the disc selected.

• To end CD playback

Press the 'AM/FM' button to end CD playback and restore radio reception, or push the cassette control buttons partially in for tape playback. When reselected, the CD will start from wherever playback was last interrupted.

• Programme type searching

This operates in the same way as tape playback. (See page 23).

Menu button

- In CD mode, press sequentially to obtain the following main menu functions:

CD Search (fast forward/reverse)

Use 'SEEK' to move rapidly forward or backwards across the CD selected.

Track Shuffle

Use 'SEEK' to turn Shuffle function on or off. With the function selected, tracks are played in random sequence. 'SHUF-ON' or 'SHUF-OFF' appear in the display. When activated, the elapsed time indicator is briefly replaced by 'SHUF' when the unit selects a new track. When all tracks have been played, the next disc is selected and tracks on that played in a random sequence.

Track Compression

Use 'SEEK' to turn function on or off. When engaged, the audio dynamic range is compressed so that quieter music is boosted and louder music lowered to compensate for ambient noise levels.

Clock and date displays See page 8

Use 'SEEK' to alternate between clock and date displays.

News

See page 9

Use 'SEEK' to turn News function on or off.

Automatic Volume Control (AVC)

See page 19

Use 'SEEK' for automatic volume adjustment (or press and hold PTY for quick selection).

- For further functions in all modes, see page 19.