

Cassette Tape Model Controls

1. **AUDIO.** Press to turn audio system ON, or to display relevant audio screen and associated touch-screen buttons.
2. Touch-screen display.
3. **MENU.** Press to access touch-screen options.
4. **MIX.** Mix CDs or CD tracks.
5. **PTY.** Priority programme type (where broadcast).
6. **TA.** Traffic announcement and Radio Data System (where broadcast).
7. **A MEM.** Automatically set station presets.
8. **CD.** Select CD changer.
9. **TAPE.** Select cassette tape play when in other audio mode, or tape side change (when a tape is inserted and playing).
10. **AM/FM.** Radio waveband select.
11. Seek AM/FM station, seek tape or cue/review CD.
12. **MODE.** Scroll to select sound settings.
13. ON/OFF and volume control.
14. Eject cassette tape.



3-2 Audio System

Single CD and MiniDisc (MD) Controls

1. **AUDIO.** Press to turn audio system ON, or to display relevant audio screen and associated touch-screen buttons.
2. Touch-screen display.
3. **MENU.** Press to access touch-screen options.
4. **MIX.** Mix CDs or CD/MD tracks.
5. **PTY.** Priority programme type (where broadcast).
6. **TA.** Traffic announcement and Radio Data System (where broadcast).
7. **A MEM.** Automatically set station presets.
8. **CDC.** Select CD changer.
9. **CD.** Select compact disc play when in other audio mode, or CD pause (when a CD is inserted and playing).
10. **AM/FM.** Radio waveband select.
11. Seek AM/FM station, cue/review CD/MD.
12. **MODE.** Scroll to select sound settings.
13. ON/OFF and volume control.
14. Eject CD or MD.
15. **MD.** Select MiniDisc play when in other audio mode, or MD pause (when a Mini Disc is inserted and playing).
16. **CD.** Select CD changer.

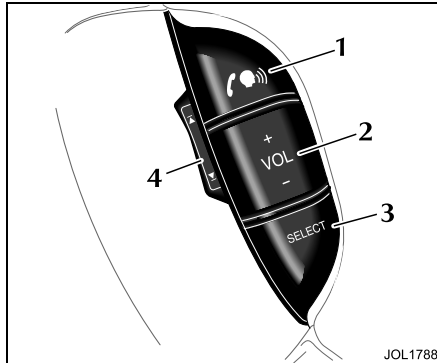


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15. **MD.** Select MiniDisc play when in other audio mode, or MD pause (when a Mini Disc is inserted and playing).

16. **CD.** Select CD changer.

Steering Wheel Controls



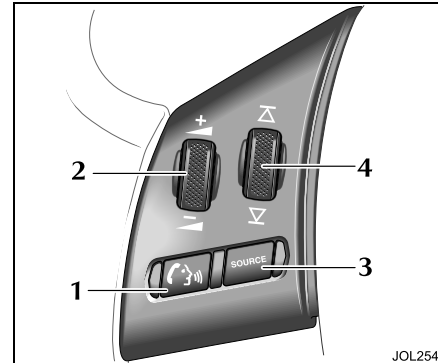
Four audio system control switches are situated on the left-hand side of the steering wheel. Duplicating the functions of buttons on the audio panel, these provide finger-tip control of audio, telephone and JaguarVoice systems whilst driving.

Note: Switches illustrated as 2 and 4 are:

The XJ, S-TYPE and X-TYPE – rocker switches.

X-TYPE (where fitted) – part rotating switches which self-centre when released.

(X-TYPE, where fitted)



1. Press to start voice session, or mute when voice is not fitted.
Answer phone call when ringing.
Send/End when in Phone mode.
2. Press/rotate as required to increase or decrease volume.
3. Press and release to cycle through Radio FM, AM, Cassette, CD or MD and CD Changer, or press and hold for at least two seconds to select Phone Ready mode.

4. Press/rotate as required and release to cycle through preset radio stations, the next CD/MD track or tape AMS (Automatic Music Search).

Press/rotate and hold for at least two seconds to cycle to next strong station, next CD or change tape side.

Touch-screen display

- PTY Priority programme type selected
- TA Traffic announcement selected
- TP Traffic Programme
- ST Stereo

3-4 Audio System

Radio Operation

Reception

FM reception offers the advantages of low noise interference, minimal distortion, wide dynamic range, extended frequency response, and is usually broadcast in stereo. FM frequency waves are however relatively short and travel in a straight line and can therefore be impeded by obstructions, which may adversely affect reception in certain parts of the country. This is a condition known as Multipath Interference.

Whilst FM reception generally provides better quality sound, AM reception or Medium Waveband (MW) and Long Waveband (LW) (United Kingdom and Europe) may prove superior in remote areas not covered by the shorter range FM transmitters.

When experiencing poor FM reception, background noise can be reduced by pressing the **MODE** button, selecting **TREBLE** and reducing the treble setting.

On/Off control



Press the control knob to switch the radio on, press again to switch off.



Pressing the **AUDIO** button can also turn on the radio. When using the touch-screen in other operating modes, such as Navigation,

Television (where fitted), Climate Control or any of the setup screens, pressing the **AUDIO** button will revert to the relevant audio screen.

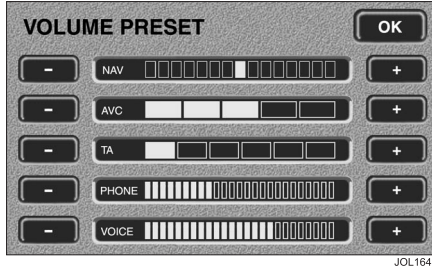


Volume control

Turn the control knob clockwise to increase or counter-clockwise to decrease volume, across a range of settings (0 – 35) to be displayed during and momentarily after adjustment.

When using the rotary control knob to adjust volume the touch-screen will show the above display (shown in Tape mode) to assist setting. The 'pop-up' volume control 'slide' will disappear from the display after 5 seconds or can be removed by touching it.

Any volume setting made whilst in audio, telephone, navigation or JaguarVoice mode, will be memorised for that system.



Automatic volume control (AVC)

This maintains radio volume at a level sufficient to overcome road noise as vehicle speed increases or decreases.

To activate AVC, press the **MENU** button, followed by the **VOLUME PRESET** button on the touch-screen. Once in the volume preset screen, AVC level can be adjusted (from OFF to 5) by repeatedly pressing the '+' or '-' buttons adjacent to the AVC volume indicator.

When AVC is ON, manual adjustment of volume will override the AVC setting.

Volume preset adjustments

Volume for Telephone, JaguarVoice, TA and Navigation can also be adjusted by using the **MENU** button on the right of the screen and selecting the volume preset button as appropriate.



Rear multimedia system settings

The XJ driver or front seat passenger can inhibit the Rear Multimedia System Controls as follows:

Press the **MENU** button, followed by the **Rear Multimedia** button on the touch-screen, then select one of three options:

1. **On** – The rear switch pack is fully enabled allowing control of cabin speakers and headphones.



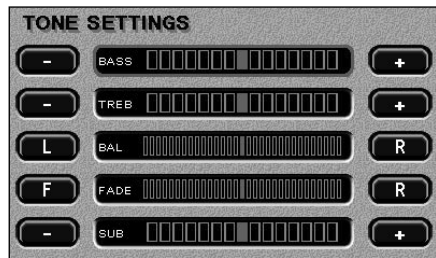
WARNING:

With the rear multimedia system turned on, the rear seat passengers have the ability to control the audio system functions including the adjustment of volume through the cabin speakers.

2. **Headphone Only** – The rear switch pack control of cabin speakers is inhibited. Control using headphones is still available.
3. **Off** – This fully inhibits the rear switch pack controls.

Note: When the Telephone or JaguarVoice are being used these buttons will be disabled.

3-6 Audio System



Balance and tone adjustment

Bass, Treble, Balance (left to right), Fade (front to rear). Subwoofer level is also adjustable on Premium Audio Systems. Adjustments are made by pressing and releasing the **MODE** button on the audio panel and adjusting the required touch-screen 'slides' (see illustration above) by repeatedly pressing the '+' or '-' buttons. If the **MODE** button is pressed again the display will automatically progress to the next function on the mode menu.

If no adjustment is made within 5 seconds, the audio system will revert to radio, tape or CD/MD play as previously selected.

Source tone memory

Bass and Treble positions are automatically memorised for AM Radio, FM Radio, Cassette Tape, CD/MD allowing individual settings for each mode.

Digital Signal Processing – DSP (premium audio system only)

DSP facilitates optimisation of sound for specific seating positions and is accessed via the **DSP** button shown on the touch-screen (audio screens only). The chosen setting can then be selected by pressing the appropriate zone.

Options available are:

- Front left.
- Front right.
- Front centre.
- Rear seats.
- All seats.



Change audio system source



Press the desired audio system source button.

AM/FM mode

In AM/FM mode, touch-screen buttons provide for station selection and re-tuning. In addition, the upper panel displays waveband, TA and PTY as selected using the buttons on the radio panel.

Band switch AM/FM

Pressing AM/FM repeatedly will cycle the radio through FM, Medium and Long wavebands (as applicable). When a tape or CD/MD is being played, pressing the band switch will select radio operation.

Presetting memorised radio stations



WARNING:

In the interests of road safety, do not attempt to preset a station while driving.



On each waveband, nine stations can be stored in the bank of nine buttons displayed on the touch-screen. To store a radio station as a preset, touch the selected button until a beep sounds to acknowledge the station has been stored.

A station can be recalled from the preset memory by momentarily pressing any of the preset buttons. The selected preset is highlighted by a red halo around the appropriate button.

Pressing the steering wheel preset selector button will cycle through the preset stations.



Seek and manual tuning

In AM/FM mode, touch and release   to activate the radio in seek mode, tuning through the frequency range to the next available station. Pressing either button for more than 2 seconds will enter manual tuning mode.



Auto memory (A MEM)

The automatic memory function programmes the nine strongest stations on a selected waveband to presets **1** to **9**.

Note: These are additional to the preset stations described earlier.

To activate this function, press and hold **A MEM** button for at least 2 seconds.

The radio will be briefly muted while it searches the waveband for the nine strongest stations. When programming is complete the radio will default to preset number **1** and audio volume is restored.

If stations cannot be located for all preset positions, those that are found will be allocated positions commencing with number **1**, leaving the remainder not programmed. The display will show **NO FM** or **NO AM** as appropriate.

To switch between the A MEM preset stations and your own presets, press and immediately release the **A MEM** button.

A MEM with radio data system (RDS) selected

If the **A MEM** function is operated while in **RDS** mode, the radio will be muted briefly, while a search is made for the nine strongest RDS stations.

3-8 Audio System

Radio data system (RDS) and Traffic announcements (TA)

Jaguar sound systems are equipped with Radio Data System (RDS) which assists in locating and remaining tuned to a selected radio station. When tuned to certain stations on the FM waveband, the radio decodes signals transmitted, to provide the following functions (dependent upon the service available):

- RDS station name display:
When RDS is selected the station name is displayed in eight characters.
- Automatic re-tuning to follow network stations:
RDS provides fully automatic radio tuning for network stations. It tunes to a signal not a frequency. RDS will locate the strongest signal available for a given station.
- RDS will automatically switch frequencies (AF Switching) as necessary. This function can be toggled off and on by pressing and holding the **AM/FM** button.

- RDS Station/Programme type display and search:
RDS displays information on the type of material broadcast by the station or programme that is on i.e. **News, Classical, Rock** etc. In addition to this function, the radio can search for a selected programme type.
- RDS Priority programme type auto re-tuning (where broadcast):
Similar to Traffic Announcement this can be selected to interrupt and switch to the selected programme type e.g. **News**, for its duration.
- Local radio station Traffic Information (where broadcast):
RDS provides travel information relevant to the vehicle location. On learning of a traffic problem, the authorities inform the nearest local radio station.
The traffic announcement (TA) is then broadcast by transmitters in the relevant area.

Provided TA has been selected, traffic announcements will interrupt radio, cassette tape or CD/MD play, on all equipment with the RDS feature. If the volume control is set at minimum it will automatically increase to an audible level for the duration of the traffic news flash.

When the traffic announcement has been completed, the system reverts to the driver's original listening choice and volume setting.



RDS operation

To activate RDS, press the **TA** button and hold for at least 2 seconds until **RDS ON** is displayed.

To deactivate RDS, press the **TA** button and hold until **RDS OFF** is displayed.

With the radio tuned to an RDS station and RDS activated, the radio gathers RDS information and displays the service name/data.

If the radio is not tuned to an RDS station, it will remain on that station and display the frequency, and RDS will remain on in readiness for a signal.

When listening to a national network station, or a station that broadcasts on more than one frequency, the radio will re-tune to the strongest available signal (AF Switching). This 'network following' will continue throughout the journey. (Unselected presets will also receive new frequency information, if appropriate.)

When RDS data is lost and no alternative frequency signal is available, the radio will stay on station, the display shows the frequency only and RDS remains on in readiness for the signal to recover.

If the **RDS** function does not respond correctly, see **RDS Trouble-shooting Guide** on page 3-11.

TA operation

To activate TA: Press the **TA** button momentarily (less than 2 seconds).

TA will appear at the top of the display. The radio then checks that the station has **RDS TP** (Traffic Programme); indicated by **TP** at the top of the display. If **TP** is not available on the current station, the radio will perform a **TP SEEK** while it searches for a station.

If a **TA** station is not available, a beep is sounded and **TA** is removed from the display.

With **TA** activated, traffic announcements will interrupt radio, tape or CD/MD play. If set at a minimum, the volume will increase for the announcement, returning to normal setting afterwards.

When receiving, the display will show **TRAFFIC**.

To deactivate TA: Momentarily press **TA**.

Preset TA volume

When the radio is set to minimum volume and a traffic announcement occurs, the volume is raised to a preset level. This level can be adjusted by pressing the **MENU** button followed by touching the **VOLUME PRESET** button on the touch-screen. Once in the volume preset screen, TA volume level can be adjusted by repeatedly pressing the '+' or '-' buttons adjacent to the TA volume indicator.



Programme type (PTY)

This has two functions:

To display current station programme type and to select a programme type and re-tune to it.

Momentarily press the **PTY** button to display the current station programme type. Use the tuning buttons to cycle through the available programme types, press the **PTY** button again to activate a search for the selected programme type. If there is a station with the correct **PTY** then the radio will re-tune to it. If not, the radio will indicate **NO PTY** and return to the current station.

3-10 Audio System

Priority programme type (PPTY)

Functions as an interrupt or as a 'PTY Following'.

Press and hold the **PTY** button to activate the selected priority programme type, **PPTY**. The radio will now wait for RDS information to indicate that a station has changed its programme type, i.e. to **NEWS**. The radio will now re-tune to the new station for the duration that it remains on that programme type.

If the current station is already on the selected priority programme type, then when this station is lost, the radio will attempt to find another with the correct programme type.

To cancel priority programme type, press and hold the **PTY** button, the **PTY** indicator will clear from the display.

Note: **TA** and **PPTY** interrupt feature is also available in tape, CD/MD audio modes.

TA and priority PTY interrupt skip

Interruptions for Traffic Announcements, **NEWS** or other selected priority **PTY**, can be skipped by pressing **TA** during the interrupt. The radio returns to the previously selected audio source.

Note:

1. Interrupt skip will not cancel activation of **TA** or **PPTY** and it will remain ready for the next interrupt.
2. **TA**, **PTY** and Priority **PTY** features are reliant upon the broadcast information from radio stations, and may be much better in some areas than others.

PTY31-Alarm (where broadcast)

When using the radio with **RDS** selected, a **PTY31-ALARM** service will operate, to alert on any crises of major national importance. When such a broadcast is made, **ALARM** will appear in the audio display.

RDS Trouble-shooting Guide

Incorrect response from RDS	Reason and rectification
Radio does not display programme name.	Check that RDS is turned on by pressing and holding the TA button until the display confirms RDS ON . If the radio does not display a programme service name, it is not broadcasting RDS data, or you are in a poor reception area. Try re-tuning to another station with RDS.
Station name is lost and displays frequency only.	Radio has lost reception of the RDS data due to vehicle moving out of transmitter range, loss of signal in a tunnel, under a garage forecourt canopy, or similar screening. If the latter is the case, when the vehicle is clear of the screening, the station name will return after a short delay.
Upon operating A MEM , NO FM is displayed when most or all of the preset positions are selected.	The radio cannot locate nine FM, RDS FM or TP stations dependent upon the mode selected. If this occurs, switch off RDS or TA and reselect A MEM .
Upon pressing the TA button the radio re-tunes to another station and displays TP SEEK .	The station selected does not have TP/TA facility, the radio will re-tune to one that does.
Radio sound goes off and the display shows PI SEEK .	The RDS radio station selected is unable to confirm that the frequency tuned to has the correct RDS data – programme identification (PI). It will then seek for a frequency that has the correct data.
Radio ‘beeps’ and the display shows NO TA/TP and turns off TA .	The vehicle is in an area where TA broadcasts cannot be received from any FM stations. The radio will automatically deselect the TA feature.

3-12 Audio System

Cassette Tape Player Operation



In **TAPE** mode, touch-screen buttons (shown above) provide for selection of cassette tape track, Dolby and change sides.

The display will show the cassette screen and indicate **SIDE 1**. The cassette symbol will be displayed until the tape is ejected, regardless of the selected audio source.

When loaded, a tape immediately plays and after playing one side, auto-reverses and plays the other. Equalisation of non-ferric tapes is automatically adjusted.



Eject

Press to eject the cassette.



TAPE button

If you are playing the radio or CD changer, pressing **TAPE** will play any cassette in the player. This function can also be controlled by a button on the steering wheel (see page 3-3).



Dolby B

When using a cassette with a 'Dolby' recording, the noise reduction system can be selected by pressing the **DOLBY** button. **DOLBY** will be displayed to indicate the system is active.

Dolby noise reduction system is manufactured under licence from Dolby Laboratories Licensing Corporation. 'Dolby' and the double-D symbol are trademarks of Dolby Licensing Corp.



Change tape side

Touch and release to change to other side of cassette tape. This function can also be controlled by a button on the steering wheel (see page 3-3) or the **TAPE** button.



Fast forward and rewind

These controls have two functions, to seek a track, and tape fast forward or rewind. Momentarily pressing the right-hand button will locate the beginning of the next track. Similarly pressing the left-hand button, will return to the beginning of the current track. Pressing and holding the appropriate button for 2 seconds will activate continuous fast forward or rewind of the tape. This can be cancelled by pressing either button again.

Single CD Player Operation



In CD mode, touch-screen buttons (shown above) provide for selection of CD tracks.

The display will show the CD screen. The CD symbol will be displayed until the CD is ejected, regardless of the selected audio source.

Inserting a CD into the aperture will start it playing.



Eject

Press to eject the CD.



Mix

To play random tracks from the disc, press and release the **Mix** button. **MIX** will be displayed. To cancel, press the **Mix** button again.



Repeat

Press and release **Repeat** button to repeat the current CD track being played.

To cancel, press the **Repeat** button again.



Pause

Touch the pause button to pause CD play.

Note: Pause button function changes to a play button, subsequent press will resume CD play.



CD button

If you are playing the radio or CD changer, pressing **CD** will play the CD in the player. This function can also be controlled from the appropriate button on the steering wheel (see page 3-3).

Seek up and down



Touch and release **⏮** **⏭** to seek tracks up or down. Momentarily press the right-hand button to skip to the next track. Repeated pressing will select further tracks.

The left-hand button returns to the beginning of the current track. Repeated pressing selects previous tracks.

Pushing and holding either button selects cue and review of the CD.

Note: Sound level is reduced when cuing and reviewing a CD.

3-14 Audio System

MiniDisc (MD) Operation



In **MD** mode, touch-screen buttons (shown above) provide for selection of MD tracks and last Navigation command.

The display will show the MD screen. The **MD** symbol will be displayed until the MiniDisc is ejected, regardless of the selected audio source.

Inserting a MiniDisc into the aperture will start it playing.



Eject

Press to eject the MiniDisc.



Mix

To play random tracks from the disc, press and release the **Mix** button. **MIX** will be displayed. To cancel, press the **Mix** button again.



Repeat

Press and release **Repeat** button to repeat the current MD track being played.

To cancel, press the **Repeat** button again.



Pause

Touch the pause button to pause MD play.

Note: Pause button function changes to a play button, subsequent press will resume MD play.



MD button

If you are playing the radio or CD changer, pressing **MD** will play the MiniDisc in the player. This function can also be controlled from the appropriate button on the steering wheel (see page 3-3).

Seek up and down



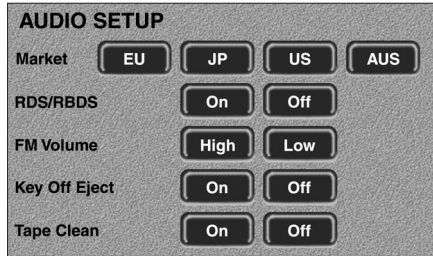
Touch and release **◀◀ ▶▶** to seek tracks up or down. Momentarily press the right-hand button to skip to the next track. Repeated pressing will select further tracks.

The left-hand button returns to the beginning of the current track. Repeated pressing selects previous tracks.

Pushing and holding either button selects cue and review of the MiniDisc.

Note: Sound level is reduced when cueing and reviewing a MiniDisc.

Audio Setup



This function enables the radio to be set to user operating preferences. By selecting **SETUP** and using the buttons on the touch-screen, the owner or Jaguar Dealer can adjust certain radio functions.

When in **SETUP**, pressing the relevant button, as detailed below, will display the facility selected and its state. The state of that facility can be changed by pressing the button again.

To enter SETUP: Press **Eject** and **AM/FM** buttons simultaneously.

The display will show **AUDIO SETUP**. The following preferences can then be selected or changed in any order. After 15 seconds the display will clear and exit **SETUP**.

Market

During initial factory installation, this is used to set the radio to one of the following regions: Europe, Australia or Japan. Regional settings determine the correct frequency increments required for seeking stations, automatic tuning etc.

Note: The regions are preset at the factory. Should you require a regional change, consult your Jaguar Dealer.

RDS/RBDS

Press ON/OFF buttons to enable or disable RDS, depending upon RDS availability in the user's country.

FM Volume

FM volume high or low (compensate for poor signal strength).

Note: This feature is not available in Australia and Japan.

Key Off Eject

Cassette Models only:

Sets the cassette tape to automatically eject when the ignition key is turned to **0**.

Tape Clean

Cassette Models only:

This controls the Tape Clean reminder facility. Press ON/OFF buttons to enable or disable this reminder.

3-16 Audio System

Compact Disc (CD) Changer

A CD changer (where fitted) is installed in the luggage compartment and will accommodate up to six discs, each mounted in a tray.

Caution: The 8 cm diameter discs and associated adaptors available in some countries must not be installed in the CD changer magazine. Any attempt to install these items can result in permanent damage to the CD changer mechanism.

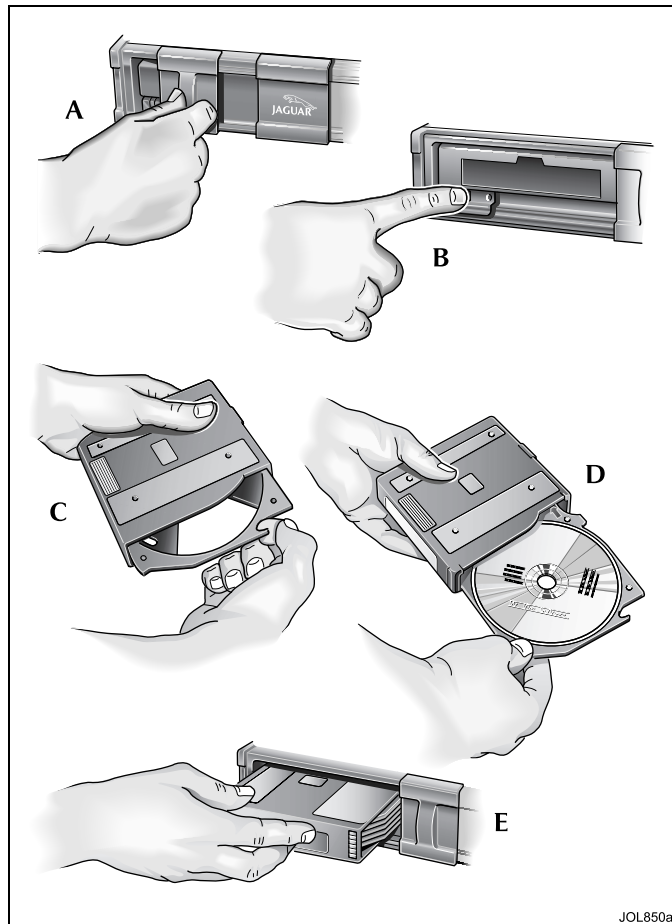
CD check sequence

When the CD Player is switched on, a check is performed on each disc tray in the CD changer magazine. When the six trays have been checked the player returns to the first disc in the magazine.

Loading discs and inserting magazine

Loading a disc into a magazine tray: Slide the magazine door to the right (A). Press the eject button (B), the magazine will then partly eject from the CD changer. Pull the disc tray from the magazine (C). Ensuring the playing surface is not touched, load a selected disc into the tray with the label facing upwards (D). Push the tray back into the magazine until it clicks.

Inserting the magazine: With the arrow mark facing upwards and pointing towards the CD changer, insert the loaded magazine into the CD changer (E) ensuring that it clicks into position. Close the sliding door. Keep the sliding door closed to prevent dust entering the playing mechanism.





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CD changer mode

In CD changer mode, touch-screen buttons (shown above) provide for track and disc selection. Discs present in the magazine are highlighted in the display.

A disc is selected by touching the appropriate disc button which when playing, has a red active surround.

The track and track duration are displayed during play.



CDC button

Press **CDC** to select CD changer mode.

Note: Button labelled as **CD** for cassette and MiniDisc models.

This function can also be controlled from the appropriate button on the steering wheel (see page 3-3).



Mix and CD Mix

To play random tracks from a selected disc, touch and release the **Mix** button. **MIX TRACKS** will be displayed. To cancel, touch the **Mix** button again.

To play random tracks from all discs present in the magazine, touch and hold the **Mix** button for more than 2 seconds. **MIX ALL** will be displayed. To cancel, touch and hold the **Mix** button.

Seek up and down



Touch and release **⏮** **⏭** to seek tracks up or down. Momentarily press the right-hand button to skip to the next track. Repeated pressing will select further tracks.

The left-hand button returns to the beginning of the current track. Repeated pressing selects previous tracks. Pushing and holding either button selects cue and review of the CD.

Note: Sound level is reduced when cuing and reviewing a CD.



Repeat

Momentarily press the **Repeat** button to repeat the current CD track being played. **REPEAT TRACK** will be displayed. To cancel, momentarily press the **Repeat** button again.

Press and hold the **Repeat** button for 2 seconds to repeat the current CD. **REPEAT DISC** will be displayed. To cancel, press and hold the **Repeat** button again for 2 seconds.



Pause

Touch the above button to pause CD play.

Note: Pause button function changes to a play button, subsequent press will resume CD play.

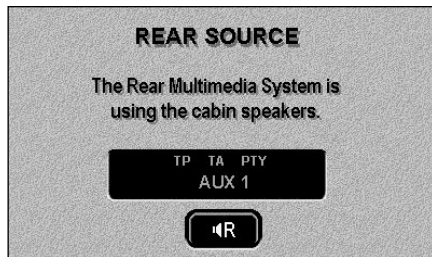
3-18 Audio System

Rear Multimedia Mode (The XJ only)



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In **REAR MULTIMEDIA** mode, when the rear multimedia system is using one of its own audio sources to play through the cabin speakers in the car, the front screen above is displayed. The possible audio sources from the rear multimedia are, DVD, AUX1, AUX2, and TV (when selected from the rear multimedia system and not from the front).



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In the example above the AUX1 is being used and, for driver information, TP, TA or PTY is set on the radio.

The 'rear speakers on' button is shown on this page with the REAR SOURCE display screen but applies also to the FM screen display, the Tape display, the CD display, the MD display and the CDC display.

This feature will allow the front occupants to turn on the rear speakers if the rear occupants have turned them off using the rear multimedia system.

The front user can turn the rear speakers on by pressing the 'rear speakers on' button. If the button is disabled, then the rear speakers are already on.

Note: When the rear occupants turn on or off the speakers, a popup will appear on the front screen showing either REAR SPK ON or REAR SPK OFF.

Audio System Care

Caution: Care must be taken to avoid spilling or splashing drinks onto the audio system head or touch-screen. In the event of such an occurrence advise your Jaguar Dealer.

Radio

Do not use petrol, solvents or abrasive cleaners on the radio. Wipe the surface of the radio with a lint-free cloth to remove dust. Slightly moisten the cloth with clean water to remove any finger marks from the outside surface of the radio.

If the radio is to be removed or the battery disconnected, first ensure that the radio code is recorded. The number will be required for re-insertion following radio installation.

Cassettes

Always use good quality cassettes. Inferior quality tapes can jam the player mechanisms, adversely affect sound quality, and accelerate the build-up of deposits on the playback head.

Before playing a cassette, ensure that the tape is not loose on the spools. If necessary, take up the slack by gently turning the spools with the end of a pencil. A jammed or sticking tape will cause the auto-reverse mechanism to operate continuously.

It is advisable not to use a tape longer than 45 minutes playing time each side (C90). Cassettes should be stored in their library cases away from direct sunlight. Do not store cassettes in door pockets where magnets in loudspeakers can impair sound reproduction.

Never insert a cassette that has a torn or loose label, it may cause the mechanism to jam.

After approximately 15 hours playing time, the audio screen will display 'CLEAN TAPE'. Clean the tape mechanism itself using a proprietary cassette cleaning kit available from any good Hi-fi stockist.

Caution: Do not use abrasive type cleaners as they can cause excessive wear of the playback head.

Compact discs (CDs) and MiniDiscs (MDs)

When handling CDs/MDs, do not touch the playing surface. CDs/MDs should be stored in their cases away from direct sunlight, heat and dust. Scratches, finger-marks or dust on the surface of a disc can cause the optical pick-up to skip tracks. If the surface of a CD/MD is dirty, use an appropriate CD/MD cleaner.

Do not attempt to play discs that are damaged, warped, cracked or of incorrect size. They can seriously damage the playback mechanism.

