



FIAT

barchetta

SOUND SYSTEM

CONTENTS

FM/M/L RDS FUNCTION RADIO, TAPE PLAYER AND EXTERNAL CD PLAYER

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INTRODUCTION

The Fiat barchetta is fitted with a fixed sound system presenting the following features:

• RADIO SECTION

- **PLL** tuning (**FM/MW/LW** frequency bands)
- **RDS** (Radio Data System) with **TA** (Traffic Announcement) - **PTY NEWS** (Programme Type News) - **EON** (Enhanced Other Network) - **REG** (Regional Programme) functions.
- **RDS** alternative frequency tuning.
- Automatic/manual station tuning.
- Manual storage of 24 stations: 18 in **FM** band (6 in **FM1**, 6 in **FM2** and 6 in **FM3**) and 6 in **MW** band.
- Automatic storage (**AUTOSTORE** function) of 6 stations.
- **DX** function (Distant: increased sensitivity in searching for radio stations).

- Automatic Stereo/Mono selection.

• TAPE SECTION

- Autoreverse
- Tape fast forward and rewind
- Automatic recognition and equalisation of Cr/Me tapes with consequent optimisation of sound.
- Pause function.
- Last/next track search function.
- Repeat function (repeats last track).
- Blank Skip function.
- Scan tracks on tape (forward) function.

- **DOLBY B** (noise reduction circuit) (*)

(*) The DOLBY noise reduction device is made under licence from the Dolby Laboratories Licensing Corporation. DOLBY and double D symbol are registered trademarks of the Dolby Laboratories Licensing Corporation.

• **CD PLAYER SECTION** (where fitted)

- Disc selection (last/next)
- Track selection (last/next)
- Fast forward and fast backward
- Pause function
- Repeat function (repeats last track or CD)
- CD Scan (scans tracks on selected CD or all CD's)
- Random (plays tracks on selected CD or all CD's in random order)

• **AUDIO SECTION**

- Separate bass/treble settings
- Right/left and front/rear channel balance
- **Loudness** function
- **Mute** function (for “cassette” and “compact disc” functions, only)
- Pre-set volume for **TA, ALARM** (Emergency) and **PTY-NEWS** functions
- Sound system muting when cellular phone is in use

USEFUL ADVICE

ROAD SAFETY

You should learn how to use the various functions (e.g. storing the stations, etc.) before trying to do it while driving.

If you drive with the volume too high you put both your own life and that of others in jeopardy. You should adjust the volume so that you can hear noises from outside the car (e.g. horns, ambulance/police sirens, etc.).

RECEPTION CONDITIONS

Reception conditions vary all the time while the car is moving. Reception may be effected by mountains, buildings or bridges, especially when you are a long way from the broadcasting transmitter of the station you are listening to.

CARE AND MAINTENANCE

The basic structure of the audio system ensures long-term operation without the need for any particular maintenance. Get in touch with a **Fiat Dealership** if anything goes wrong.

Only clean the front panel with a soft, anti-static cloth. Cleaning or polishing agents could damage the surface.

TAPES

For optimal playback:

- Do not use bad quality tapes, misshapen cassettes or cassettes with the labels coming unstuck.
- Do not leave the tape in the player when not in use.
- Do not introduce any other object in the tape deck.

- Do not leave tapes in direct sunlight or expose them to excessive heat or moisture.
- Put cassettes back into their boxes after use.
- Dirt on the player head from tapes can, in time, reduce treble during playback. We recommend you clean the head periodically with a specific head cleaner tape (non abrasive).
- Ideally, use C-60 tapes. Do not use tapes longer than C-90 to ensure constant, optimal playback. Moreover, longer tapes are very thin and can easily break.

- Avoid using cassettes with slack tape, especially C-90 tapes. The tape could come out of the cassette and block the mechanism. However, if the player detect slack tape or similar problems, the cassette will be ejected automatically.

- Do not lubricate cassette mechanism.

- Do not touch the player head with magnetic or hard objects.

CD

If you are using a CD player, remember that dirt or marks on the CD can cause skipping or bad sound quality in playback. The same will occur if the CD is bent.

For optimal CD playback:

USEFUL ADVICE

- Only use CD carrying the following trademark:

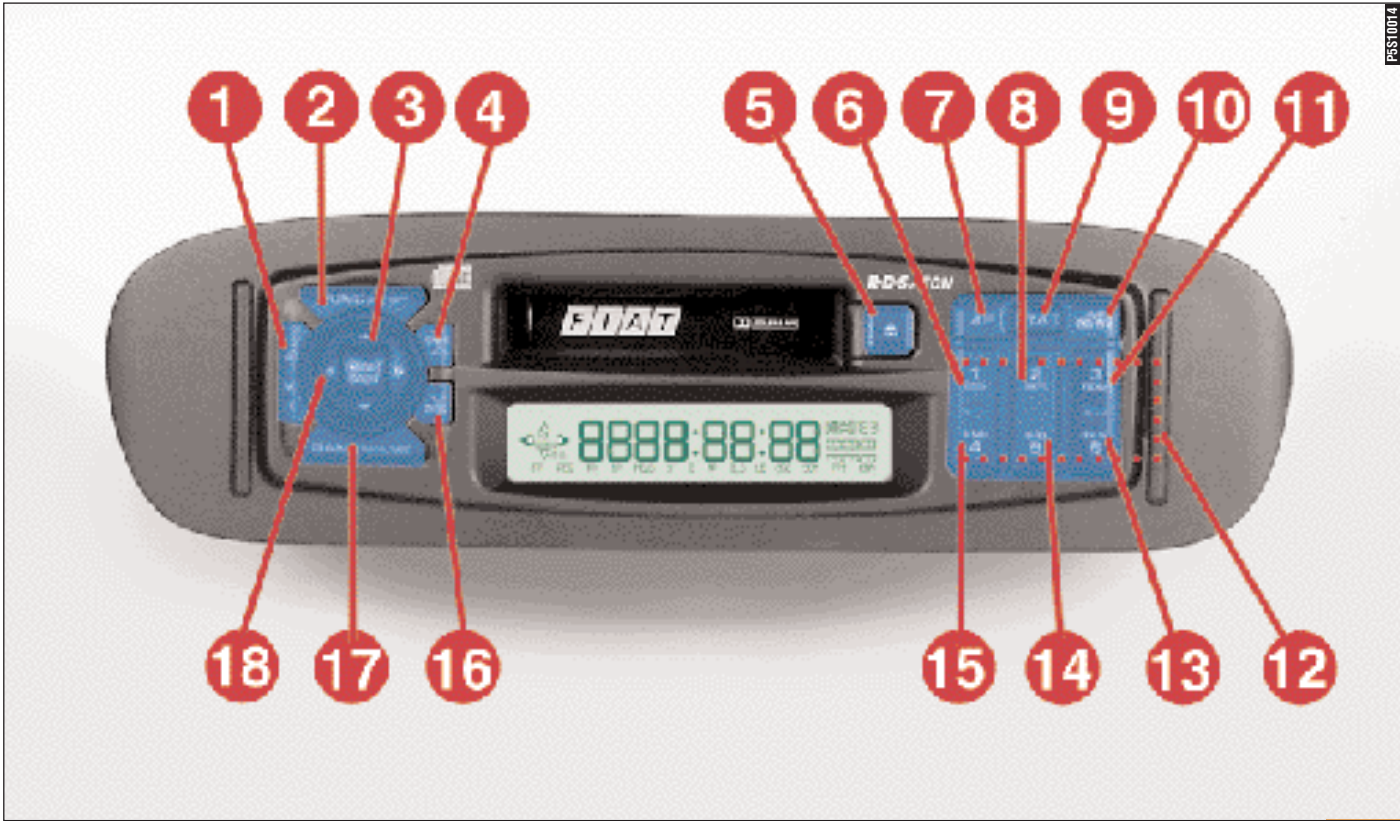


- Clean each CD carefully. Remove fingerprints and dust with a soft cloth. Hold the CD from its edge and clean from the centre outwards.
- Never use chemical products (e.g. sprays, anti-static products or thinners). These products could damage the CD surface.
- After use, put the CD's back in their cases after use to avoid marking or scratching the discs. This would cause skips in playback.

- Do not leave discs in direct sunlight or expose them to high temperatures or moisture for a long time to avoid bending them.

- Do not stick labels or write on the recorded side of a CD.

DESCRIPTION OF CONTROLS










PBS10014

fig. 1

DESCRIPTION OF CONTROLS

1. Audio mode button (**A-M**)
Loudness button (**LOUD**)
2. On/Off button (**POWER**)
Radio, Tape, CD button (**FUNC**)
3. Volume, treble, fader adjustment button
(up/down) (▼/▲)
4. Next disc button (**DISC UP**) [C]
5. Eject tape button (**EJECT**) (▲) [⊞]
6. Scan tape/CD (**SCAN**) [⊞], [C]
7. Alternative frequency button, **RDS REG**
function (**AF**)
8. Repeat tape/CD track button (**RPT**) [⊞],
[C]
9. Traffic announcement function button, pre-
set volume for **TA**, **ALARM** and **PTY-
NEWS (TA)** [⊞]
10. Automatic station storage button (**AS**) [⊞]
PTY NEWS function button
11. Random **CD** track function button (**RDM**)
[C]
12. Pre-set station button [⊞]
13. Skip blank tape function button (**BLS**) [⊞]
14. Mute sound system (**MUTE**) [⊞], [C]
Play/pause tape/CD (▶/||) [⊞], [C]
15. Dolby NR B function button (**BNR**) [⊞]
16. Last disc button (**DISC DN**) [C]

17. Band selection button, manual tuning (**BAND**) [
Change tape side button (**PROG**) [
CD Changer magazine button (**MAG**) [
18. Bass, balance, manual/automatic tuning, distant/locale search, tape fast forward/reverse, next/last tape/CD track, CD fast forward/reverse buttons (left/right) (<< and >>) [, [, [, [

KEY

[]: In radio mode

[]: In tape player mode

[]: In CD mode

NOTE:

Various functions and settings can be made by pressing the up/down [3] and left/right [18] buttons. This operation is called the “Alpha-Touch Controller” function.

OPERATION

MAIN OPERATIONS

IMPORTANT Turn the volume down before turning the sound system off. Sound quality will be perfect and the sound system will not be damaged when you turn it back on.

Turning the sound system on and adjusting the volume

1. Press the **(POWER)** button [2] to turn the sound system on. Press the **(POWER)** button for at least one second to turn the sound system off.

2. Press the function button **(FUNC)** [2] to select Radio, Tape and CD functions cyclically as follows:

Radio → Tape → CD → Radio

The message **“NO CASS”** will appear if there is no tape in the player.

The message **“NO DISC”** will appear if there is no CD in the magazine or if the CD player is not connected.

3. Press the up/down buttons [3] to adjust the volume.

▲: to turn volume up

▼: to turn volume down

Audio adjustments

1. Press the audio mode **(A-M)** [1] to select the mode required. The mode changes each time the **(A-M)** button is pressed as follows:

BASS / TREB (bass / treble) → **BAL / FAD** (balance / fader) → previous mode.

2. Adjust bass and treble with the left/right and the up / down buttons [18], [3].

<Bass adjustment>

◀◀: Decrease bass

▶▶: Increase bass

<Treble adjustment >

▲: Increase treble

▼: Decrease treble

3. Adjust balance and fader with the left/right and up / down buttons [18], [3].

<Balance adjustment >

◀◀: Increase left speaker sound

▶▶: Increase right speaker sound

<Fader adjustment >

▲: Increase front speaker sound

▼: Increase rear speaker sound

Loudness

Keep the loudness button (**LOUD**) [1] pressed for longer than 2 seconds to activate/deactivate this function. The message “**LD**” will appear on the display when the function is on.

Mute

This function will automatically turn the volume down to zero.

Press the **MUTE** [14]. The sound will disappear and the message “**MUTE**” will appear on the display. Press the **MUTE** button again to turn the function off.

This function is operating in “cassette” or “compact disc” modes only.

RADIO FUNCTIONS

Listening to the radio

1. Press the function button (**FUNC**) [2] to select radio mode.

Press the **BAND** button [17] to select the reception band **FM (FM1, FM2, FM3)** or **AM (MW / LW)**. The band will change each time the button is pressed as follows:

OPERATION

FM1 → FM2 → FM3 → AM → FM1

(**FM** band is split into three sections **FM1**, **FM2**, **FM3** with the same reception range to allow the pre-setting of 18 fm stations).

2. Press the right or left button [18]. Tuning will automatically stop at the frequency of a station (automatic tuning).

Automatic tuning

There are two types of automatic tuning: **distant (DX)**, tuning in to all the stations which can be received, and **local**, tuning into the stations with the strongest signals only.

Distant automatic tuning (DX)

1. Press the **BAND** button [17] to select the band.

2. Press the right or left button [18]. The message “**DX**” will appear on the display. Tuning will automatically stop at a station frequency.

Local automatic tuning

1. Press the **BAND** button [17] to select the band.

2. Press the right or left button [18] for longer than 1 second. The message **LO** will appear on the display. Tuning will automatically stop at a station frequency.

Manual tuning

1. Press the **BAND** button [17] to select the band.

2. Press the **BAND** button [17] for longer than 2 seconds.

3. The message **MAN** will appear on the display and manual tuning is possible.

4. Press the left /right buttons [18] to tune to the stations

The system will return automatically to automatic tuning after 7 seconds.

Manual station storage

24 stations (6 each in the **FMI, FM2, FM3, AM** bands) can be stored as follows:

1. Press the **BAND** button [17] to select the band.

2. Press the left/right buttons [18] to tune to the station to be stored.

3. Press the pre-setting button [12] where to store the station for 2 seconds or more.

Note: When storing a station, the station previously stored for that button will be deleted.

Automatic storage

1. Press the **BAND** button [17] to select the band.

2. Press the **AS** button [10]. for 2 seconds or more. Strong signals will be automatically stored in pre-set memory. If less than 6 strong stations are available, the previously stored stations will be kept for the pre-set buttons where no new stations can be stored.

Recalling pre-set stations

1. Press the **BAND** button [17] to select the band.

2. Press the pre-set buttons [12] to select the required station.

OPERATION

RDS FUNCTIONS

RDS (Radio Data System)

The radio must be tuned to **FM** to access the RDS functions.

The RDS system gives you automatic tuning to the optimal frequency of the RDS-enabled stations being listened to (**AF** function). You can therefore continue to listen to the station without having to alter the frequency when you change the area. Obviously the station you are listening to must be picked up in the area you are travelling through.

If the signal is very weak and/or if the reception is bad, the sound system will mute for a few seconds while seeking an alternative frequency for the station. If this occurs frequently, we recommend turning the **AF** function off.

If an **RDS** station can no longer be picked up in your current position and the **AF** function is on, the message **AF** on the display will flash. As soon as correct reception is restored, “**AF**” will stop flashing.

The **RDS** will also display the name of the station you are listening to (**PS** function).

Alternative frequency search (**AF** function)

Press the **AF** button [7] to activate/deactivate the function. When the function is on, the message **AF** will appear (or flash) on the display.

If reception worsens, the message “**AF**” will start flashing and the device will attempt to tune to an alternative frequency. If the switch-over is not possible, the message “**SEARCH**” will appear on the display and the sound system will tune to the current station before starting the search.

REG function (regional programmes)

The **REG** function can only be used when the **AF** function is on.

The **REG** function (regional programmes) tunes to local (regional) stations only. Press the AF button [7] for longer than 2 seconds to turn the function on/off. The message “**REG**” will appear on the display when the function is on.

If you are listening to a regional station and the function is off, the regional station of the new area will be picked up as you change area.

The **REG** function is not active when receiving a national station.

Manual tuning to regional stations

This function is available only when regional stations are received, with **AF** function on and RDS function off. Follow this procedure:

1. Press one of the pre-set buttons [12] to recall a regional station.

2. If the station reception is not optimal, press the same pre-set button [12] and the radio will tune to a regional station.

TA (Traffic Announcement) function

With this function, you can:

- Automatically search only the FM-RDS stations enabled to broadcast traffic announcements. The message “**TP**” will appear on the display when you are tuned to one of these stations.

- Receive traffic announcements while you are listening to a tape or CD.

OPERATION

To start the function, press the **TA** button [9]. If the initial station is not enabled to provide traffic announcements (the message “**TP**” will not appear on the display), the radio will automatically tune to the closest station broadcasting traffic announcements and the message “**TA**” will appear on the display.

Note: If no **RDS TA** stations can be received, the system will continue the search indeterminately. To stop the search, press the **TA** button [9] again.

If, on the other hand, a station has been found, the system will turn to **TA** stand-by until the traffic announcement starts. In this case, the message **TRA INFO** followed by **PS** (Programme Service name) will appear on the display.

The playback of a CD or tape will be interrupted to allow to listen to traffic announcements broadcast by an **RDS TA** station.

Press the **TA** button [9] during traffic announcement broadcasting to stop listening to the announcement and the system will return to **TA** stand-by mode.

To memorise stations with the **TP** function on, follow the storage procedure described in the paragraph “Manual station storage”.

Alternatively to manual storage, press the **AS** button [10] for 2 seconds or more to automatically store the stations with the **TP** function on (see “Automatic storage”).

To turn the function off, press the **TA** button [9] again.

EON (Enhanced Other Network) function

Circuits grouping stations enabled to broadcast traffic announcements (**NEWS**) are available in some countries.

In this case, the station programme enabled to broadcast traffic announcements you are listening to will be temporarily interrupted whenever traffic announcements are broadcast by other stations in the network.

This function may not be available in some countries/regions.

PTY-NEWS function

This function tunes to a **PTY** programme broadcasting **NEWS**.

Tune the sound system to **FM** band and press the **NEWS** button [10] to turn the function on. The message “**NEWS**” will appear on the display.

Reception of the tuned station will be temporarily interrupted and a **PTY NEWS** station will be played. Press the **NEWS** button [10] again to return to the previous station.

You can adjust the **PTY-NEWS** station volume as required, according to the procedure shown in the next paragraph. The volume, consequently, can change when the function is turned on/off.

Note: **PTY-NEWS** broadcasts are not available in all countries. In **TA** stand-by, the **RDS TA** stations have priority over **PTY-NEWS** stations.

Emergency messages will interrupt all other operations. They can only be received from **RDS** stations. The message “**ALARM**” will appear on the display and the message can be listened to.

To delete the “**ALARM**” broadcasts, press the **AF** button [7].

OPERATION

Pre-setting **TA**, emergency (**ALARM**) and **PTY-NEWS** functions volume

You can adjust the volume for **TA**, **ALARM** and **PTY-NEWS** functions as required.

During **TA**, **ALARM** and **PTY-NEWS** broadcasts, the sound system volume will automatically adapt to the pre-set volume level.

The factory setting is **TA VOL 9**.

Volume will not change if it is set to a higher level during **TA**, **ALARM** and **PTY-NEWS** broadcasts. If it is set to a level, it will change to the volume set with the following procedure:

1. Press the **TA** button [9] for more than 2 seconds. If the volume is not adjusted within the following 7 seconds, the display will automatically return to radio mode.

2. To adjust the volume, use the up/down buttons [3].

3. Press the **TA** button [9] to end the procedure.

TAPE PLAYER OPERATION

Insert a tape in the desk facing rightwards. Playback will start automatically.

Correct equalisation of the player will be performed according to the type of tape used (e.g. chromium or metal tapes).

At the end of the tape, the other side of the tape will be played automatically.

To change tape side before the end, press the **PROG** button [17].

Playing an inserted tape

Press the **FUNC** button [2] to select tape mode. Playback will start automatically.

Pause function

Press the play / pause button [14] to stop playback temporarily. Press it again to start playback again.

Ejecting a tape

Press the eject button [5], to eject the tape automatically.

The system will switch to radio mode automatically 4 seconds after pressing the eject button.

Fast forward/reverse

Press the left / right button [18].

▶▶: Press this button to fast forward the tape

◀◀: Press this button to rewind the tape.

The radio will be turned on while the tape is being fast forwarded/rewound.

Last/next track search (Auto Program Control function)

Press the left/right button [18] twice.

▶▶: Press this button twice to go to the beginning of the next track

◀◀: Press this button twice to return to the beginning of the track being played. Press the button again to go to the beginning of the last track.

During automatic search, the radio will be played.

OPERATION

Scanning tape tracks (forward)

Press the **SCN** button [6] to play the first 10 seconds of each track on the tape. The message “**SCAN**” will appear on the display. Press the **SCN** button [6] again to stop the scan.

Repeat track

Press the **RPT** button [8] to play the last track again. The message “**RPT**” will appear on the display. To quit this mode, press the **RPT** button again [8].

Dolby B noise reduction function

Press the **Dolby B NR** [15] to start the function. The message “**B NR**” will appear on the display. Press the button again to turn the function off.

Skip blank tape function

This function will skip blank tape sections lasting for longer than 12 seconds and automatically start playing the next recorded section.

To turn the function on, press the **BLS** button [13] until the message “**BLS**” appears on the display. Press the button again to turn the function off.

Note:

In some cases, the following functions may not work correctly:

- next/last track search
- track scan
- repeat track
- skip blank tape.

This can be caused by:

- low level recordings (weak sounds and not perfect recording)
- tapes containing conversations
- tapes with blank sections lasting less than 12 seconds
- tapes with long periods of silence in the recordings
- tapes without blank sections (e.g. live recordings)
- tapes with a lot of noise in the blank sections

CD PLAYER

The sound system can be connected to a compatible CD player (CD Changer).

Loading the CD magazine

Make sure that label **A-fig. 3** is the right way up, otherwise the CD player will not work.

The magazine can hold up to six discs.

Fitting the disc magazine in the player

Open flap **fig. 2**.

OPERATION

Insert CD magazine **fig. 4** completely into the player with the label (see arrows) facing upwards. Close the flap after having inserted the CD loader, to prevent dust or other small objects from getting into the player.

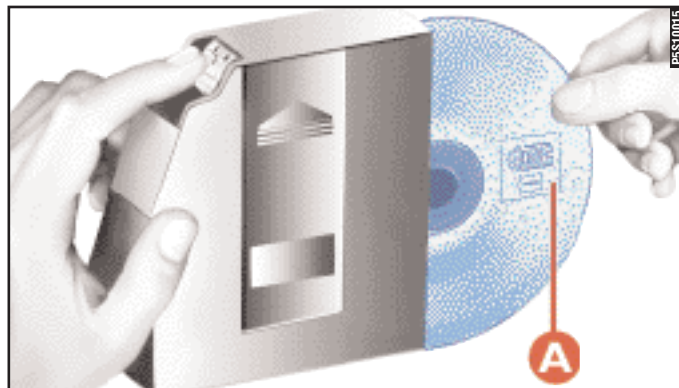


fig. 3

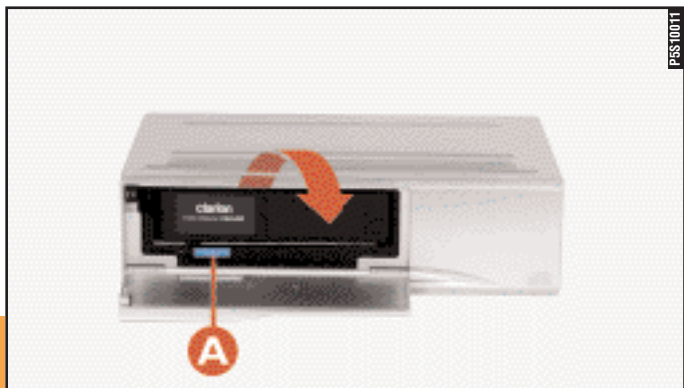


fig. 2

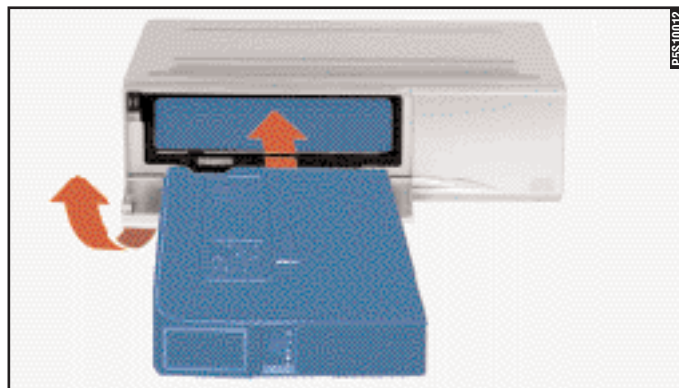


fig. 4

Removing the disc magazine from the player

Open flap **fig. 2**. Press eject button **A-fig. 2** on the player. The magazine will be partially ejected.

Pull out the magazine carefully.

Close the sliding door.

Removing CD's from the magazine

Pull out the CD's one at a time, by pressing the lever next to each CD.

Playback

Press the **FUNC** button [2] to select CD mode. The system will start playing the first CD in the magazine.

Pause

Press the play /pause button [14] to temporarily interrupt playback. Press it again to start playback.

Disc selection

Press the next disc button [4]: The discs will be selected in the following order each time the button is pressed: 1 → 2 → 3 → 4 → 5 → 6 → 1 ...

Alternatively, press the last disc button [16]: to select discs in the following order: 1 → 6 → 5 → 4 → 3 → 2 → 1 ...

Track selection

Press the left / right button [18].

▶▶: Press this button twice to go to the beginning of the next track.

◀◀: Press this button twice to go to the beginning of the track being played. Press this button again to go the previous track.

OPERATION

Fast forward/fast backward

Keep the left/right button [18] pressed.

◀◀: fast backward

▶▶: fast forward

Hold the button pressed for longer than 1 second to advance at a speed equal to 3 times normal speed.

Hold the button pressed for longer than 3 seconds to advance at a speed equal to 30 times normal speed.

Scan tracks on selected CD

Press the **SCN** button [6] to play the first 10 seconds of each track on the selected CD. The message “**SCAN**” will appear on the display. Press the **SCN** button [6] again to stop the scan.

The scan will start from the next track with respect to the one being played.

Scan tracks on all CD's

Press the **SCN** button [6] for more than 2 seconds to play the first 10 seconds of all the discs in the player. The messages “**DISC**” and “**SCN**” will appear on the display. Press the **SCN** button [6] again to stop the scan.

The scan will start from the next track with respect to the one being played.

Repeat track

Press the **RPT** button [8] to play the track several times. The message “**RPT**” will appear on the display. Press the **RPT** button [8] again to end this mode.

Repeat CD

Hold the **RPT** button [8] pressed for more than 2 seconds to play the last CD several times. The messages “**DISC**” and “**RPT**” will appear on the display. Press the **RPT** button [8] again to end this function..

Random tracks

Press the **RDM** button [11] pto play all the tracks on the selected CD in random order. The message “**RDM**” will appear on the display. Press the **RDM** button [11] again to end this function.

Random tracks on all CD's

Hold the **RDM** button [11] pressed for more than 2 seconds to play all the tracks on the CD's in the player in random order. The messages “**DISC**” and

“**RDM**” will appear on the display. To end this function, press the **RDM** button [11] again.

Select magazine

This function can only be used if the CD player can house one than one magazine. The next magazine is selected each time the **MAG** button is pressed [17]

OTHER FUNCTIONS

Sound muting during cellular phone use (where fitted)

The message “**TEL**” will appear on the display to indicate an incoming message and the sound system will be muted. Muting ends and system returns to normal operation as soon as the telephone is hung up.

TROUBLESHOOTING

Problem	Cause	Solution
The sound system cannot be switched on (or no sound is produced)	A fuse has blown	Replace the old fuse with a new fuse of the same amperage
The sound quality has become poor	The player head is dirty	Clean the player head with a cleaning cassette, etc.

This unit is equipped with a set of self-test functions to protect the system. The user will be informed of errors by means of the following messages. Solve the problem as shown in the following procedures.

Error display

Procedure

Er 2

Error in the CD Changer mechanism (the disc cannot be changed, ejected, etc.)

→ The CD Changer mechanism is probably damaged. Contact your local dealer.

Er 3

The pick-up is out of focus during playback due to scratches on the disc, etc.

Er b

The CD contents cannot be read, probably because the disc has been inserted upside down.

Er 8

The cassette is jammed during insertion or ejection.

→ Remove the cause jamming the cassette.

If you cannot solve the problem, turn the sound system off and contact a **Fiat Dealership**.

TECHNICAL INFORMATION

Max. power: 4 x 30 W

Frequency response: 30 ÷ 20,000 Hz

Aerial

The vehicle is equipped with a manual telescopic aerial on the rear right side.

Electrically-operated aerial

The sound system is wired for a fully automatic electrically-control aerial (optional)

The switching voltage for the aerial is to be found on contact 5 of the sound system (see figure).

Switching voltage: +12 V, max. current 0.5 A

Speakers

The sound system consists of the following two separate way system:

– 2 two cone speakers Ø 165 each with a power of 60 W.

– 2 fluid iron tweeter speakers each with a power of 60 W.

Fuses

The sound system has a protective fuse of 10A **fig. 5** located behind the radio.

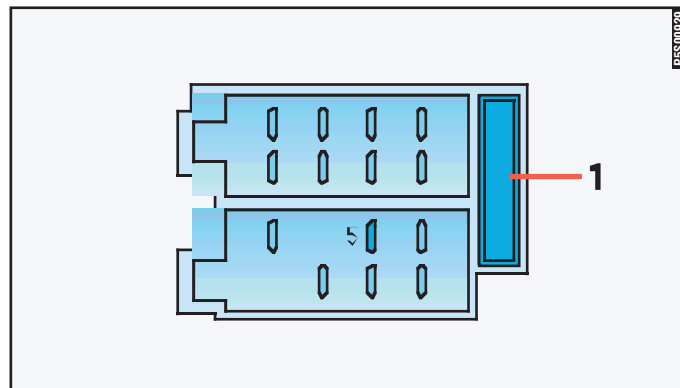


fig. 5

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