Goodmans

GCE7356MP3
In Car Radio Compact Disc player

INSTRUCTION MANUAL
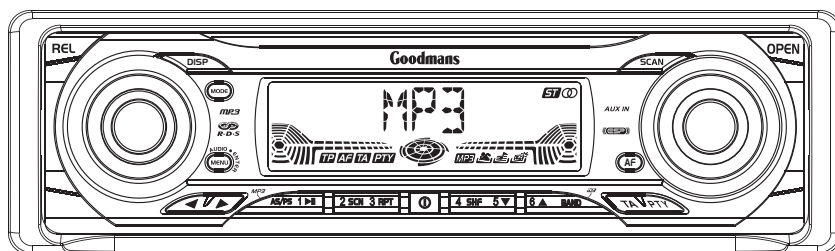
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CONTENTS

IMPORTANT
Do not forget to remove the Transit Screws on top of the unit
before installing into your vehicle.
Failure to do so will result in the CD not playing.

Before installing this unit into your vehicle, please read the
Connection Diagram supplied separately with this manual.

ACCESSORIES

When first unpacking your new in Car Radio CD Player, please check first that the package contains all of the items below. If something is missing, contact the store where you purchased the player.
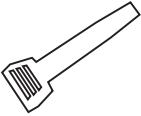
- **Owner's Manual and Connection Diagram**

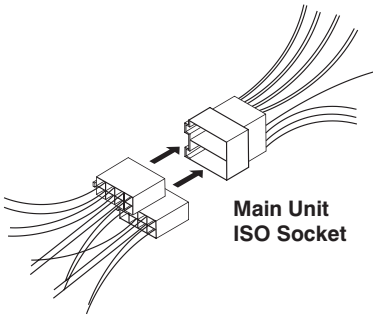- **Spare Fuse**

- **2 x Release key**

- **For use when ISO plugs are not used on your vehicle**

**Main Unit
ISO Socket**

- **1 X 5mm nut**
  1 X spring washer
  1 12mm self-tapping screw
  1 X support strap
  1 X plain washer

- Before finally installing the unit, carry out a sound check. If high distortion or intermittent sound is experienced, it is possible that the wiring to the car's electric is poor, or that the battery needs recharging.
- Use only the parts included with the unit to ensure a safe and secure installation.
- Consult with your dealer if the installation requires the drilling of holes or other modifications to the vehicle.
- Choose a mounting location carefully so that the unit will not interfere with the normal driving functions of the vehicle.
- If the installation angle exceeds 30° from horizontal, the unit might not give its optimum performance.

30°
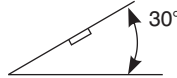
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight, or from hot air, from the vehicle heater, or where it would be subject to dust, dirt or excessive vibration.
- Be sure to remove the front panel before installing the unit.

DIN FRONT/REAR-MOUNT

This unit can be installed either from "Front" (conventional DIN Front-mount) or "Rear" (DIN Rear-mount installation, utilising threaded screw holes at the sides of the unit chassis). For details, refer to the following illustrated installation methods A and B.

- DIN FRONT-MOUNT (Method A)
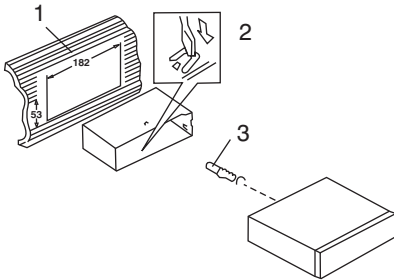
1. Dashboard
2. Mounting sleeve
     After inserting the half sleeve into the dashboard, select the appropriate tab according to the thickness of the dashboard material and bend them inwards to secure the sleeve in place.
3. Screw
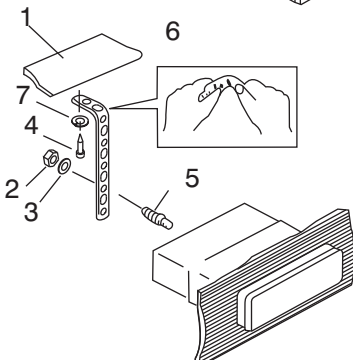
1. Dashboard
2. Nut (5mm)
3. Spring washer
4. Screw (4x12mm)
5. Screw
6. Support Strap
    Be sure to use the support strap to secure the back of the unit in place. The strap can be bent by hand to the desired angle.
7. Plain washer

Removing the unit
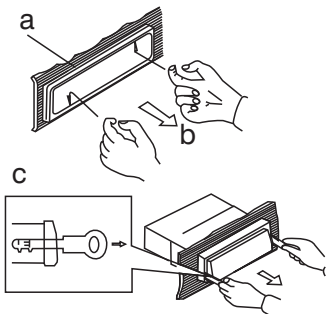
a. Trim Ring
b. Insert fingers into the Trim Ring as shown and carefully remove.
c. Insert the levers supplied with the unit into the grooves at both sides of the unit as shown until they click. Pulling the levers makes it possible to remove the unit from the dashboard.

- *Trim Ring Installation:*

Carefully align the Trim Ring with the front of the main panel.
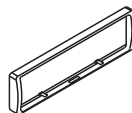Push the trim ring against the main panel until it clicks into place.

- *DIN REAR-MOUNT (METHOD B)*

Installation using the screw holes on the sides of the unit.
Fastening the unit to the factory radio mounting bracket.
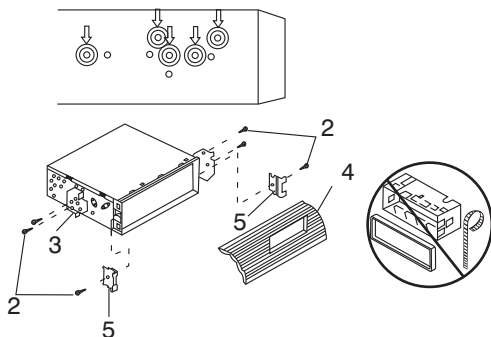
1. Select a position where the screw holes of the bracket and the screw holes of the main unit become aligned (are fitted) and tighten the screws at 2 places on each side.
2. Screw
3. Factory radio mounting bracket.
4. Dashboard or Console
5. Hook (Remove this part)

Note: the mounting box, outer trim ring, and half-sleeve are not used for method B installation.

- *PANEL OPEN/CLOSE OPERATION*
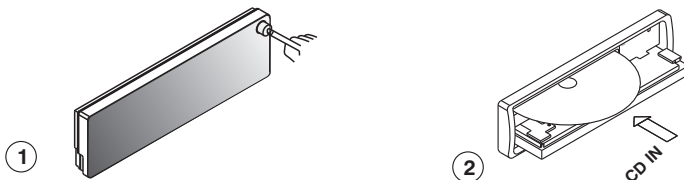
1. Press Open button
2. The CD slot will be accessible.
3. After CD is loaded or unloaded return the panel to its original position.

Removing The Detachable Front Panel
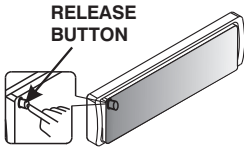
RELEASE BUTTON

1. Turn the Power off.
2. Press the Panel Release Button.
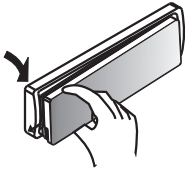
3. Remove the front panel

Attaching the Detachable Front panel
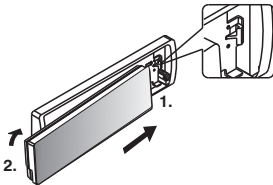
1. Insert the right side of the front panel into the main unit.

1.

2.
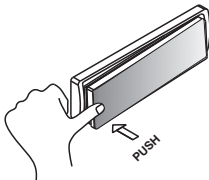
2. Press the left hand side of the front panel until a "click" sound is heard

PUSH

Precautions when handling the Detachable Front Panel
- Always insert the front panel in the manner described above. Failure to do so may damage both the panel and the main unit.
- Do not drop the front panel. Always place it the the protective case provided when not in use.
- Do not touch the contacts on the front panel or the main unit. It may result in a poor electrical connection.

ANTENNA SOCKET

ANTENNA CABLE

FUSE

20-PIN AUDIO/POWER HARNESS

(YELLOW) Battery wire

(RED) Ignition wire

RCA-TO-RCA CABLES (not supplied)

WHITE

AMP

RED

REAR LINE OUT GREY

YELLOW

RED

(Not Supplied)

ISO CONNECTOR (See Figure 2)

CONNECTOR B
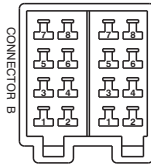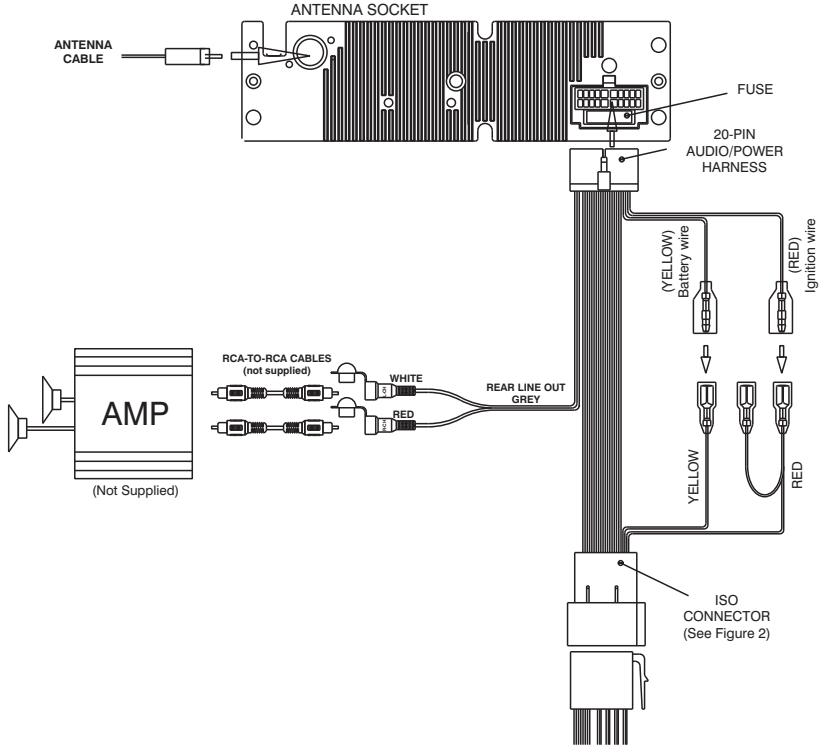
CONNECTOR A

Figure 2

ISO CONNECTOR 4PIN+8PIN FEMALE WITH MALE TERMINAL

ISO CONNECTOR WIRING CHART

PIN	WIRE COLOR	FUNCTION / LABEL
A4	YELLOW	BATTERY (+)
A5	BLUE	POWER ANTENNA
A7	RED	IGNITION(ACC)
A8	BLACK	GROUND
B1	VIOLET	RIGHT REAR SPEAKER (+)
B2	VIOLET / BLACK	RIGHT REAR SPEAKER (-)
B3	GREY	RIGHT FRONT SPEAKER (+)
B4	GREY / BLACK	RIGHT FRONT SPEAKER (-)
B5	WHITE	LEFT FRONT SPEAKER (+)
B6	WHITE / BLACK	LEFT FRONT SPEAKER (-)
B7	GREEN	LEFT REAR SPEAKER (+)
B8	GREEN / BLACK	LEFT REAR SPEAKER (-)
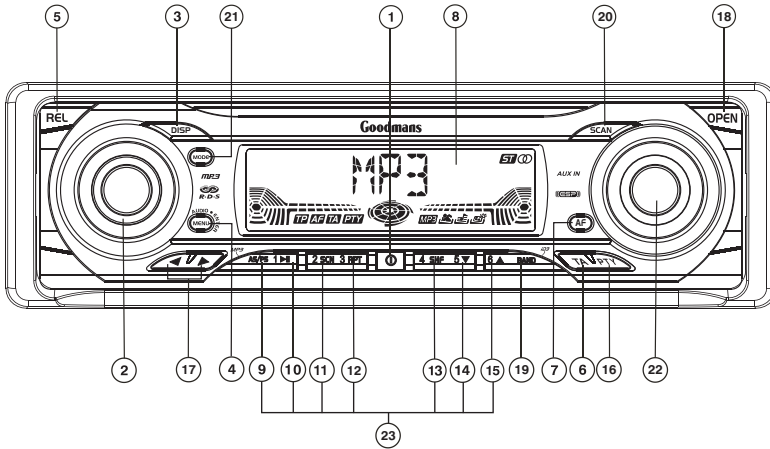
1) Power Button	7) AF Button	13) Disc Shuffle Button
2) Volume Button	8) LCD Display	14) Folder Down Button
3) Display Button	9) AMS/MP3 Search Button	15) Folder Up Button
4) Menu/Enter Button	10) Disc Play/Pause Button	16) PTY Button
5) Release Button	11) Disc Scan Button	17) Tuning/Track UP/DOWN Buttons
6) TA Button	12) Disc Repeat Button	18) Panel Open Button

19) Band/ID3 Button

20) Radio Scan Button

21) Mode Button

22) Aux In Socket (behind cover)

23) Preset Memory Buttons

LCD DISPLAY
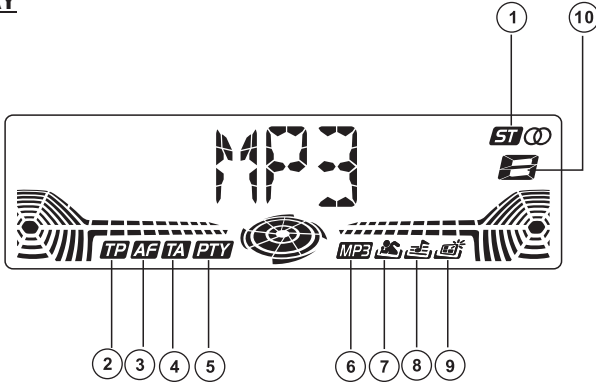
ST ⦿   **1. STEREO :** **Radio stereo indicator**

TP   **2. TP**   **:**   **RDS Traffic programme indicator**

AF   **3. AF**   **:**   **RDS Alternative frequency indicator**

TA   **4. TA**   **:**   **RDS Traffic announcement indicator**

PTY   **5. PTY :**   **RDS Programme type indicator**

MP3   **6. MP3 :**   **Mp3 disc playing indicator**

    7. ARTIST :   **Artist name indicator**

    8 . MUSIC :   **Song title indicator**

    9. ALBUM :   **Album title indicator**

    10.   **Preset radio station indicator (1 to 6)**

NOTE:
LCD Screen
In extreme cold, the screen movement may slow down and the screen may darken, but this is normal.
The screen will recover when the unit warms up, or the ambient temperature rises.

POWER BUTTON ❶

Press the power button to turn on/off the unit.

MENU BUTTON ❹

Press the MENU button to access the following settings:

A. AUDIO MENU

Press the MENU button for less than 1 second to open the Audio menu.
Press the MENU button repeatedly to navigate through the following functions:
VOLUME (VOL) -> BASS (BAS) -> TREBLE (TRE) -> BALANCE (BAL) -> FADER (FAD)
Rotate the Volume Control to adjust to the desired level. Note that the unit will return to it's previous state after 5 seconds when no further adjustments have been made.

B. ADVANCED MENU

Press & hold the MENU button for more than 2 seconds to open the Advanced Menu. Press the MENU button repeatedly to navigate through the menu items. When the desired menu item is displayed, use the Volume control to adjust the setting:

- TA SEEK TA ALARM

To determine what action the radio will take if a newly tuned station does not receive TP information for 5 seconds.
TA SEEK
The radio retunes to a different station which contains TP information.
TA ALARM
The radio does not retune but will make an audible beep sound.

- PI SOUND / PI MUTE

If you are travelling on the fringe area of two transmitters, you may receive conflicting AF information. When the vehicle is crossing the area where two stations with same AF but different PI code can be received at the same time, the receiver may become unstable. Under this situation two modes can be selected:
PI SOUND
The different PI sounds will be heard.
PI MUTE
Under the same situation, the radio will be muted.

- RETUNE L / RETUNE S

To determine the initial time of automatic TA search or PI search.
RETUNE L   90 seconds
RETUNE S   30 seconds

- MASK PI / MASK ALL

"PI" is referred to "Different PI with same AF".
During AF search, PI stations and non-RDS stations with a strong signal will be masked. In the latter case, the non-RDS stations may cause interference, resulting in the real AF being masked due to the misjudgment of the radio under interference.
There are two options to handle this situation.
MASK PI to mask only the AF with different PI.
MASK ALL mask both PI and strong signal non-RDS stations.

- BEEP 2ND, BEEP ALL, BEEP OFF

To determine how the beep sound is generated when the buttons are pressed.
BEEP 2ND Beeps only when the second function of the dual function button is selected.
BEEP ALL Beeps when any button is pressed.
BEEP OFF Disables the beep option.

- **DSP (PRESET EQUALIZER)**
  DSP OFF -> FLAT -> CLASSIC -> POP -> ROCK
  When DSP OFF is selected, the Bass & Treble can be adjusted (See Audio Menu).
- **LOUD**
  When Loud ON is selected, bass output will be increased.
- **DX**
  Use this mode to change between Local and Distant (-DX) tuning mode. Local mode
  improves reception in some areas where the signal is too strong.

- **STEREO**
  Use this mode to select stereo or monaural reception for FM radio stations. You can
  sometimes improve reception of distant stations by selecting mono mode.

VOLUME KNOB ❷
  When the Menu function is NOT activated, rotate this knob to change the volume level.
  When the Menu function IS activated, rotate this knob to change the settings of the various
  menu items.

MODE BUTTON ㉑
  Press this button to select the different modes available on this unit: Tuner, CD (only if a CD
  is inserted) and AUX in.

　AUX INPUT
  Connect an external audio input to the AUX in socket
  located on the front of the panel, then press the MODE
  button to select Aux mode.

AUX IN

DISPLAY BUTTON (DISP) ❸
  Press this button to view Clock, Programme Type (PTY), and Frequency of the current station.

SCAN BUTTON(SCAN) ⓴
  Press this button to scan to the next available radio station. The new station will flash until it
  is either selected (by pressing the Scan button), or if not selected, the unit will continue to
  scan until a desired station is found.

AUTO MEMORY STORE / PRESET SCAN BUTTON (AMS) ❾
  PRESET SCAN: press the AMS button for less than 1 second to scan all preset stations
  　　　　　　　 stored in the memory of the current band. The memory location indicator on
  　　　　　　　 the LCD will flash during the process. To stop preset scan, press the AMS
  　　　　　　　 button again.

  AUTO MEMORY STORE: press the **AMS** button for more than 1 second to enter auto store
  mode. The radio will automatically store 6 stations to the 6 preset memories of the current
  band. To stop auto store, press the **AMS** button again.

TUNING / SEEK UP AND TUNING / SEEK DOWN BUTTONS ⓱
  1.Pressing these buttons briefly will operate the AUTO SEARCH tuning mode. The radio will
    tune up or down to the next available radio station.
  2.Pressing these buttons for more than 2 seconds will switch to MANUAL SEARCH mode.
    This allows fine tuning of the radio. Briefly press the buttons to make small adjustments,
    or press and hold to search through the band quickly.

BAND BUTTON ⓳
  Press this button to change between FM and MW bands.

RESET BUTTON

In case of abnormal operation, use a pencil tip or other non-metallic object to press the reset button located behind the front panel. The reset button should be activated in the following circumstances:

- Initial installation of the unit when all wiring is completed.
- If the control function buttons do not operate.
- An abnormal or error symbol is shown in the display.
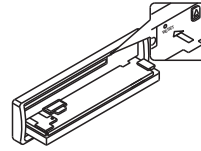
LIQUID CRYSTAL DISPLAY PANEL (LCD) 8

The LCD panel displays the frequency, time and activated functions.

STATION PRESET BUTTONS 23

You can store & recall six preset radio stations using the numbered buttons 1-6.

TO STORE A STATION: 1) select a band (if needed)
2) select a station by tuning up / down
3) hold the preset button which you want store the station for at least   2 seconds. The preset number will show in the display.

TO RECALL A STATION: 1) select band (if needed)
2) press a preset button briefly to recall the stored station.

AF BUTTON(ALTERNATIVE FREQUENCIES) **7**

When pressed briefly, AF switching mode is selected.
When AF switching mode is selected, the radio will check the signal strength of the AF constantly.

When pressed for 2 seconds, it will activate the regional mode.

Note: To check whether an alternative frequency is a real alternative for the current station, the radio compares PI codes (programme identity).

- Regional mode ON:

The PI codes must be identical. REG icon will show in the display.

- Regional mode OFF:

The regional identification code in the PI code is ignored.

Some broadcasting stations may change their program from normal broadcasting to regional broadcasting for a certain period. When regional mode is off, the region identification in the PI code is ignored; the radio may switch to a local variant of the current program. When regional mode is on, the radio will only switch to a program carrying the exact same PI code.

Note: If AF is selected, when the tuning up/down buttons are used, the unit will only search for stations with RDS data.

TA BUTTON(TRAFFIC ANNOUNCEMENT) **6**

When pressed briefly, TA mode will be switched on. Press again to switch TA mode off.
The following will happen if TA mode is selected and a traffic announcement is transmitted:
- When the unit is in CD mode, it will switch to radio mode temporarily.
- If the volume is set to a low level, it will be raised to a preset level.
- TP will show in the display when the unit is tuned to a station that is capable of broadcasting traffic information.
- To cancel a Traffic announcement and return to the previous mode, press the TA button.
When pressed for more than 2 seconds, EON TA LOCAL /EON TA DISTANCE mode is selected.
- EON TA LOCAL mode.
TA reception can be adjusted to receive local or local + long distance announcements.

Note: If TA is selected, when the tuning up/down buttons are used, the unit will only search for stations that broadcast traffic announcements.

PTY BUTTON **16**

When this button is pressed, the PTY mode will toggle in the following order:
PTY Music Group -> PTY Speech Group ->PTY Off

The current PTY code is displayed on the LCD, use the 6 preset buttons to select the other PTY codes, the distribution of program types are as follows:

Button Number	Music Group	Speech Group
1	POP , ROCK	NEWS, AFFAIRS, INFO
2	EASY, LIGHT	SPORT, EDUCATE, DRAMA
3	CLASSICS,	CULTURE, SCIENCE, VARIED
4	JAZZ, COUNTRY	WEATHER, FINANCE, CHILDREN
5	NATION, OLDIES	SOCIAL, RELIGION, PHONE IN
6	FOLK	TRAVEL, LEISURE, DOCUMENT

When PTY code is selected, the radio will search the band for the station that matches the PTY code.

OVERVIEW OF THE RDS FUNCTION

Radio Data System (RDS) is a broadcasting service that allows FM stations to send additional digital information along with the regular radio program signal. Your car stereo offers you a variety of services. Here are just a few:

- **PI (Program identification)**

  It is a code that identifies RDS stations; it is unique for each station.

- **PS (PROGRAM Service Name)**

  The name of current station.

- **AF (Alternative Frequencies List)**

  The list(s) of Alternative Frequencies give information on the various transmitters broadcasting the same program in the same or adjacent reception area. If the main frequency should get worse, the radio will tune automatically to the strongest alternative frequency.

- **TP (Traffic Program)**

  If the tuned program broadcasts traffic announcements, the TP indicator will turn on.

- **TA (Traffic Announcement)**

  When an actual traffic bulletin is on air, the TA indicator will also turn on.

- **PTY (Program Type Codes)**

  This code is used to designate the current program material being broadcast. With this feature, you can search the programs that match the selected program type, which is chosen from a specific list of types.

Notes

- RDS may not work properly if the signal strength is weak or if the station you are tuned to is not transmitting RDS data.

LOADING THE CD
Press the Panel Open Button to lower the front panel. Insert a CD into the CD slot. The disc will be automatically loaded and playback will start.

CD EJECT BUTTON
Press this button to eject the CD. Since this button is located behind the front panel, fold down the panel before accessing this button.
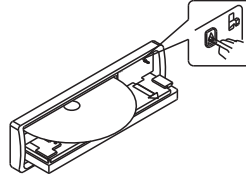
CD PLAY/PAUSE BUTTON (10)
 Press this button briefly to pause CD play. Press again to continue CD playback.

INTRO SCAN BUTTON (11)
Press this button to select Intro Scan function. The first 10 seconds of each track will be played sequentially until this button is pressed again, then normal play will resume at the current track.

REPEAT BUTTON (12)
Pressing this button will activate the Repeat function in the following order :
Repeat On ⟶ Repeat Off
The RPT indicator in the display will turn on.

SHUFFLE (SHF) BUTTON (13)
Press this button to play all tracks on a CD in a random order. Press again to resume normal playback at the current track.

TRACK UP AND TRACK DOWN BUTTON(17)
During CD playback, press these buttons to skip to the next / previous track.
To search for a particular part of a track, press and hold either button to enter Cue/Review mode. When the button is released, normal playback resumes.

Notes:

- An MP3 directory is shown in this manual as "Folder", and an MP3 file is shown as "Track". - Maximum length of file name : 28 characters. - Maximum length of folder : 16 characters. - Maximum number of tracks per disc : 254. - Maximum number of folders per disc : 128.	- Sampling Frequencies support : 32KHz, 44 KHz, 48KHz. - Bit Rates support : 64 - 320KHz including VBR. - Supports Multi-Session recording. - Supports CD, CDR and CDRW. - Disc written by Packet Write (UDF) is not supported.

LOADING A CD

Insert an MP3 or WMA disc into the CD slot. The display will show "CD PLAY" then "READING" followed by either "MP3 T 01" or "WMA T 01" depending on the file type of the first track.

During MP3 playback, the current track number and track name will be shown alternately in the display.
Additional ID3 tag information (if included on the disc) can be shown in the following sequence by pressing the BAND/ID3 button:
Music (song) 🎵
Artist 🎤
Album 💿
The corresponding icon will illuminate in the display and will remain lit for 5 seconds.

NAVIGATING FOLDERS AND TRACKS

● By track Number
  Press the MP3 Search button once. "MP3 T*" shows in the display. Rotate the VOLUME button to select the desired track number, then press the MENU/ENTER button to confirm.

● By Folder or Track Name
  Press the MP3 Search button twice. "*" shows in the display. Rotate the VOLUME button to select the first character of the desired folder/track. Press the MENU/ENTER button to confirm and progress to the next character.
  Continue adding each character in turn, then press and hold the MENU/ENTER button to search for the desired folder/track.

  If a partial folder/track name is entered, all folders/tracks containing matching characters will be selected. Scroll through these by pressing the Track UP/Down buttons or by rotating the VOLUME button. Press the MENU/ENTER button to select.

● To select Folder first
  Press the MP3 Search button 3 times. The Disc volume (name) will be shown briefly, followed by the first folder name. Scroll through the folders by pressing the Track UP/Down buttons or by rotating the VOLUME button. Press the MENU/ENTER button to select.
  The display will show "\\" Scroll through the tracks by pressing the Track UP/Down buttons or by rotating the VOLUME button. Press the MENU/ENTER button to confirm the desired track.
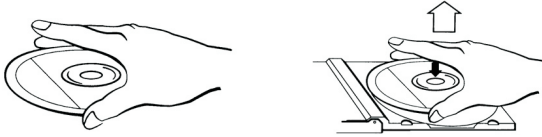
● Access folders using Folder UP/ Folder Down buttons
  Press the Folder UP/Folder Down buttons to navigate through the folders contained on the disc.

To remove a disc from its storage case, press down on the centre of the case and lift the disc out, holding it carefully by the edges.

Fingerprints and dust should be carefully wiped off the disc's recorded surface with a soft cloth before use.

DON'T FORGET! Never use chemicals such as record sprays, antistatic sprays, benzene, or thinners to clean compact discs. These chemicals can damage the disc's surface.

CD PLAYER

System	Compact disc audio system
Usable disc	Compact disc
Sampling frequency	44.1KHz
No of quantization bits	1bit
Frequency	5-20,000Hz
Number of channels	2 stereo
S/N Ratio	70dB

RADIO SECTION
FM

Frequency Range	87.5 - 108 Mhz
Intermediate Frequency	10.7 MHz
Usable Sensitivity	Better than 15dB at S/N 30 dB
Stereo Separation	25 dB at 1KHz
S/N Ratio	50 dB

MW

Frequency Range	522 - 1620 Khz
Intermediate Frequency	450KHz
Usable Sensitivity	Better than 45dB
S/N Ratio	40 dB

GENERAL

Power Supply	DC 11 -14V, Negative earth
Speaker impedance	4 ohms
Power Output	40W x 4
Chassis Dimensions (in mm)	178W X 175D X 50H
Weight	1.6Kg

NOTE
Specifications are subject to change without prior notice.

SOUND LEVELS

Your hearing is important to you and to us so please take care when operating this equipment. It is strongly recommended that you follow the guidelines in order to prevent possible damage to, or loss of hearing. Over time your hearing will adapt to continuous load sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this, set the initial volume of the equipment to a low level.

Follow the steps below to ensure that the product can be enjoyed at a comfortable listening level:

1 Slowly increase the level until you can hear comfortably and clearly and without distortion.

2 Damage to your hearing is accumulative and irreversible. Any "ringing" or discomfort in the ears indicates that the volume is too loud.

3 Once you have established a comfortable listening level, do not increase the volume level.

GENERAL SAFETY

This equipment has been designed and manufactured to meet European safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

Do read these operating instructions before you attempt to use the equipment.

Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

Don't continue to operate the equipment if you are ever in doubt about it working normally, or if it is damaged in any way.

Don't remove any fixed covers as this may expose you to dangerous voltages.

Don't allow electrical equipment to be exposed to rain or moisture.

TROUBLE SHOOTING Before going through the check list, first refer back to the connection and operating procedures.
Most problems that you may encounter with your unit are covered in the list below. Should any problems
persist after you have checked this list, please contact our Customer Helpline on 0871 230 1777 for further
assistance.

Symptom	Cause	Solution
No power	The car ignition is not on.	If the power supply is properly connected to the car accessory terminal, switch the ignition key to "ACC"
	The fuse is blown.	Replace the fuse.
Disc cannot be loaded or ejected	There is a CD disc inside the player.	Remove the disc in the player, then try again.
	Inserting the disc in reverse direction.	Insert the compact disc with the label facing upward.
	Compact disc is extremely dirty or scratched.	Clean the disc or try to play a new one.
	Temperature inside the car is too high.	Cool off or until the ambient temperature returns to normal.
	Condensation on the lens.	Leave the player for 1 hour, to allow the condensation to clear, then try again.
No sound	Volume is set to minimum.	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
The operation keys do not work	The built-in microcomputer is operating incorrectly.	Press the RESET button. Front panel is not making good contact with the connections pins on the main unit.
Sound skips.	The installation angle is more than 30 degrees.	Adjust the installation angle to less 30 degrees.
	The disc is extremely dirty or scratched.	Clean the compact disc, or try to play a new one.
The radio does not work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signal is too weak.	Select a station manually.
ERROR 1	Mechanism Error	Press the reset button. If the error is still evident after pressing the reset button, consult our Customer helpline.
ERROR 2	Servo Error	Press the reset button. If the error is still evident after pressing the reset button, consult our Customer helpline.

If at any time in the future you should need to dispose of this product please note that Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.(Waste Electrical and Electronic Equipment Directive)

Goodmans