

EXR-C205/XR-C340

SERVICE MANUAL

US Model
Canadian Model
EXR-C205
E Model
XR-C340



Photo : XR-C340

Refer to RM-X2S/X3S SERVICE MANUAL (9-960-039-00) issued previously for information of remote commander (RM-X2S) supplied with XR-C340.

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MG-25A-136

Specifications

Cassette Player section

Tape track 4-track 2-channel stereo
Wow and flutter 0.08% (WRMS)
Frequency response 30-18,000 Hz
Signal-to-noise ratio 58 dB

Tuner section

FM

Tuning range EXR-C205:
87.5-107.9 MHz
XR-C340:
FM tuning interval:
50 kHz/200 kHz
switchable
87.5-108.0 MHz
(at 50 kHz step)
87.5-107.9 MHz
(at 200 kHz step)
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz
Usable sensitivity 8 dBf
Selectivity 75 dB at 400 kHz
Signal-to-noise ratio 65 dB (stereo),
68 dB (mono)

Harmonic distortion at 1 kHz

0.5% (stereo),
0.3% (mono)

Separation

35 dB at 1 kHz
Frequency response 30-15,000 Hz
Capture ratio 2 dB

AM

Tuning range EXR-C205
530-1,710 kHz
XR-C340
AM tuning interval:
9 kHz/10 kHz switchable
531-1,602 kHz
(at 9 kHz step)
530-1,710 kHz
(at 10 kHz step)
Antenna terminal External antenna connector
Intermediate frequency 10.71 MHz/450 kHz
Sensitivity 30 μ V



Power amplifier section

Outputs Speaker outputs
(sure seal connectors)
4-8 ohms
Speaker impedance 4-8 ohms
Maximum power output 35 W \times 4 (at 4 ohms)

General

Outputs

Power antenna control
lead/Power amplifier
control lead/Telephone
mute control lead (XR-C340 only)

Tone controls

Rear line out (1)
Bass \pm 8 dB at 100 Hz
Treble \pm 8 dB at 10 kHz

Power requirements

12V DC car battery
(negative ground)

Dimensions

Approx. 188 \times 58 \times 184 mm
(w/h/d)

Mounting dimensions

Approx. 182 \times 53 \times 164 mm
(w/h/d)

Mass

Approx. 1.3 kg

Supplied accessories

Parts for installation and
connections (1set)
Front panel case (1)
Rotary remote RM-X2S
(XR-C340 only)

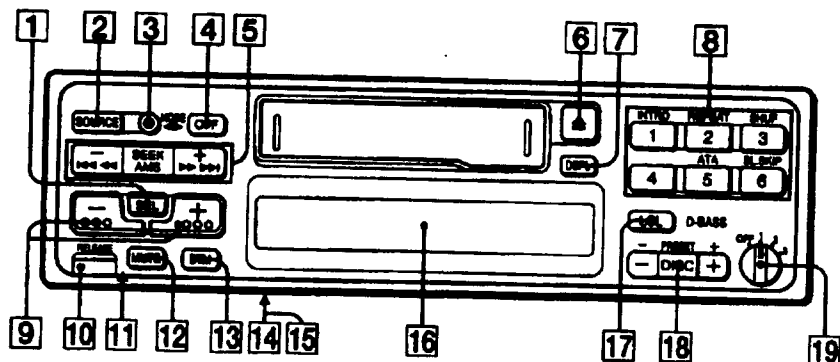
Design and specifications are subject to change without notice.

FM/AM CASSETTE CAR STEREO

SONY

www.DataSheet4U.com

Location of controls



Refer to the pages for further details.

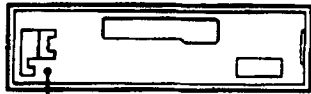
- 1 SEL (control mode select) button 5, 9, 10
 - 2 SOURCE button (TAPE/TUNER/CD/MD) 5, 7, 10
 - 3 MODE (◀▶) button
During tuner reception:
BAND select 7
During tape playback:
Transport direction change 5
During CD or MD playback:
CD/MD Changer select 10
 - 4 OFF button 5
 - 5 SEEK/AMS button 5, 6, 7, 8, 10, 11
 - 6 ▲ (eject) button 4, 5
 - 7 DSPL (display mode change/time set) button 5, 6, 8
 - 8 During tuner reception:
Preset number buttons 7
During tape/CD/MD playback:
1 INTRO button 6, 11
2 REPEAT button 6, 11
3 SHUF (Shuffle) button 11
4 ATA (Automatic Tuner Activation) button 6
5 BL.SKIP (Blank Skip) button 6
 - 9 ◀ ▶ (volume/bass/treble/balance/fader control) button 5, 9
 - 10 RELEASE (front panel release) button 4, 13
 - 11 Reset button (located on the front side of the unit hidden by the front panel)
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function properly.
 - 12 MUTE button 9
 - 13 BTM (Best tuning memory) button 7
 - 14 POWER SELECT switch (located on the bottom of the unit)
See "POWER SELECT Switch" in the Installation/Connections manual.
 - 15 Frequency Select switch (XR-C340 ONLY) (located on the bottom of the unit)
See "Frequency Select Switch" in the Installation/Connections manual.
 - 16 Display window
 - 17 LCL button 8
 - 18 PRESET/DISC button
During tuner reception:
Preset station search 7
During CD or MD playback:
CD/MD Changer select 10
 - 19 D-BASS control 9
- When the positions of switch 14 and 15 have been changed, be sure to press the reset button after connecting power.

Getting Started

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.

Press the reset button with a pointed object, such as a ball-point pen.



Reset button

Note

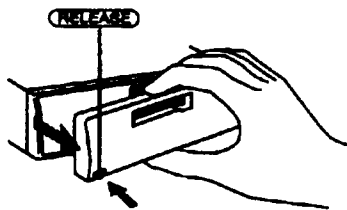
Pressing the reset button will erase all the memorized program and memory functions.

Detaching the front panel

The front panel of this unit can be detached to prevent the unit from being stolen.

1 Press **OFF**.

2 Press **RELEASE** to open up the front panel, and detach the panel by pulling it towards you.

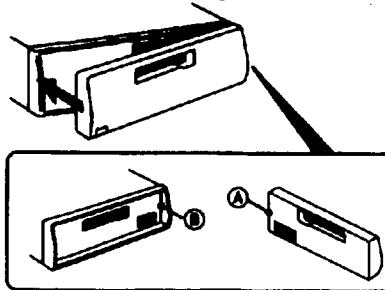


Notes

- Be sure not to drop the panel when detaching it from the unit.
- If you press **RELEASE** to detach the panel while the unit is still turned on, the power will automatically turn off to protect the speakers from being damaged.

Attaching the front panel

Attach part **A** of the front panel to part **B** of the unit as illustrated and push until it clicks.



Notes

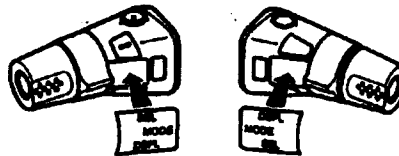
- Make sure the front panel is the right way up when attaching it to the unit as it cannot be attached upside down.
- Do not press the front panel hard against the unit when attaching it to the unit. It can easily be attached by pressing it lightly against the unit.
- When you carry the front panel with you, put it in the supplied front panel case.
- Do not press hard or give excessive pressure to the display windows of the front panel.
- Do not expose the front panel to direct sunlight, heat sources such as hot air ducts or leave it in a humid place. Never leave it on the dashboard etc. of a car parked in direct sunlight where there may be a considerable rise in temperature inside the car.

Caution alarm

If you turn the ignition key to the OFF position without removing the front panel, the caution alarm will beep for a few seconds (only when the POWER SELECT switch is set to the **A** position). If you connect an optional power amplifier and do not use the built-in amplifier, the beep tone will be disabled.

Preparing the rotary remote (XR-C340 only)

When you mount the rotary remote, attach the label in the illustration below.



SECTION 1 GENERAL

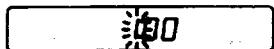
This section is extracted
from instruction manual.

Setting the clock

The clock has a 12-hour digital indication.
For example, setting it to 10:00

1 Press **OFF** or **DSPL** during operation.

2 Press **DSPL** for two seconds.

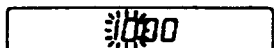


The hour digit flashes.

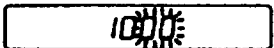
● Set the hour digits.



To go backward To go forward



● Press **SEL** momentarily.

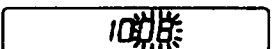


The minutes digits flash.

● Set the minute digits.



To go backward To go forward



3 Press **DSPL** momentarily.



The clock starts.

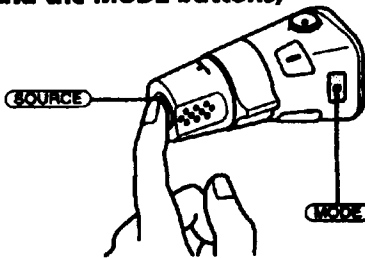
Note
If the **POWER SELECT** switch on the bottom of the unit is set to the ● position, the clock cannot be set unless the power is turned on. Set the clock after you have turned on the radio.

Other Functions

Using the rotary remote (XR-C340 only)

The rotary remote works by pressing buttons and/or rotating controls. You can control the optional CD/MD changer by the rotary remote.

By pressing buttons (the **SOURCE** and the **MODE** buttons)



Every time you press **SOURCE**, the source changes as follows:

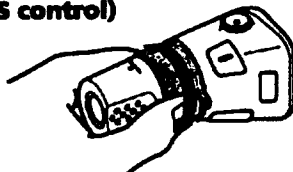
TAPE → TUNER → CD/MD

Pressing **MODE** changes the operation in the following ways:

- the tape transport direction.
- the band, FM1 → FM2 → FM3 → AM1 → AM2.
- the CD/MD changer.

Tip
You can turn on this unit by pressing **SOURCE** on the rotary remote.

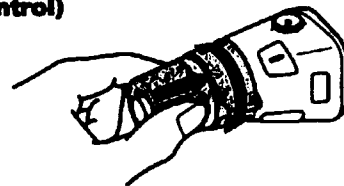
By rotating the control (the **SEEK/AMS** control)



Rotate the control momentarily and release it to:

- Locate the beginnings of the tracks on the tape. Rotate and hold the control, and release it to fast-wind the tape. To playback, rotate and hold the control again, and release it.
- Locate a specific track on a disc. Rotate and hold the control until you locate the specific point in a track, then release it to start playback.
- Tune in the stations automatically. Rotate and hold the control to tune in the specific station.

By rotating the control while pushing in (the **PRESET/DISC** control)



Push in and rotate the control:

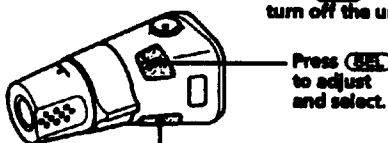
- Receive the stations memorized on the preset buttons.
- Change the disc.

Other operations

Rotate the **VOL** control to adjust the volume.



Press **MUTE** to mute the sound.



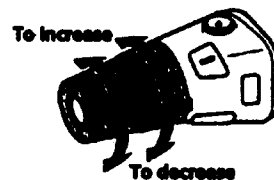
Press **OFF** to turn off the unit.

Press **SEL** to adjust and select.

Press **DSPL** to change the display items.

Changing the operative direction

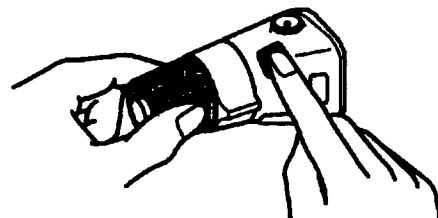
The operative direction of controls is factory preset as in the illustration below.



To increase

To decrease

If you need to mount the rotary remote on the right side of the steering column, you can reverse the controls' operative direction.



Press **SEL** for two seconds while pushing in the **VOL** control.

Adjusting the sound characteristics

1 Select the item you want to adjust by pressing **(SEL)** repeatedly.
VOL (volume) → BAS (bass) → TRE (treble) → BAL (balance) → FAD (fader)

2 Adjust the selected item by pressing either **(+)** or **(-)**.

Adjust within three seconds after selecting. (After three seconds the button will again serve as the volume control button.)

Muting the sound

Press **(MUTE)**.

The "MUTE" indication flashes.

To restore the previous volume level, press again.

Tip

The unit decreases the volume automatically when a telephone call comes in (Telephone mute function).

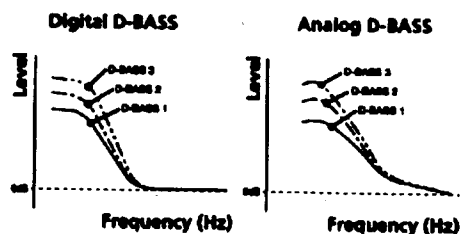
Changing the sound and beep tone

Boosting the bass sound — D-Bass

You can enjoy clear and powerful bass sound. The D-bass function boosts the low frequency signal with a sharper curve than conventional bass boost.

You can hear the bass line more clearly even if the vocal sound is the same volume. You can emphasize and adjust the bass sound easily with the D-bass control. This effect is similar to the one you get when you use an optional subwoofer system.

Moreover, the Digital D-bass* function creates even sharper and more powerful bass sound than Analog D-bass.



Adjusting the bass curve

Turn the D-BASS control to adjust the bass level (1, 2 or 3).

"D-BASS" appears in the display.

To cancel, turn the control to the OFF position.

* If an optional CD changer has the Digital D-BASS function, "DIGITAL D-BASS" appears on the display during CD playback.

Muting the beep tone

Press **(M)** while pressing **(SEL)**.

To obtain the beep tone again, press these buttons once more.

Note

If you connect an optional power amplifier and do not use the built-in amplifier, the beep tone will be disabled.