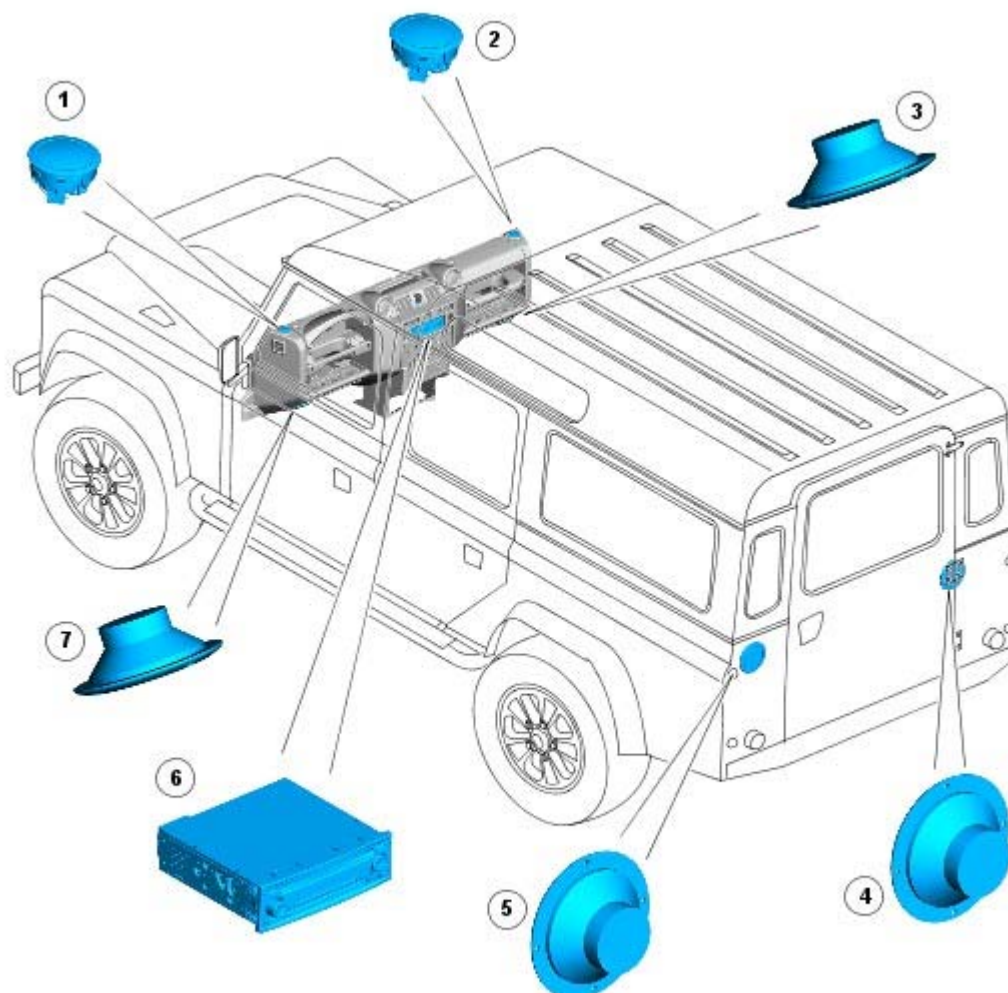


Audio System

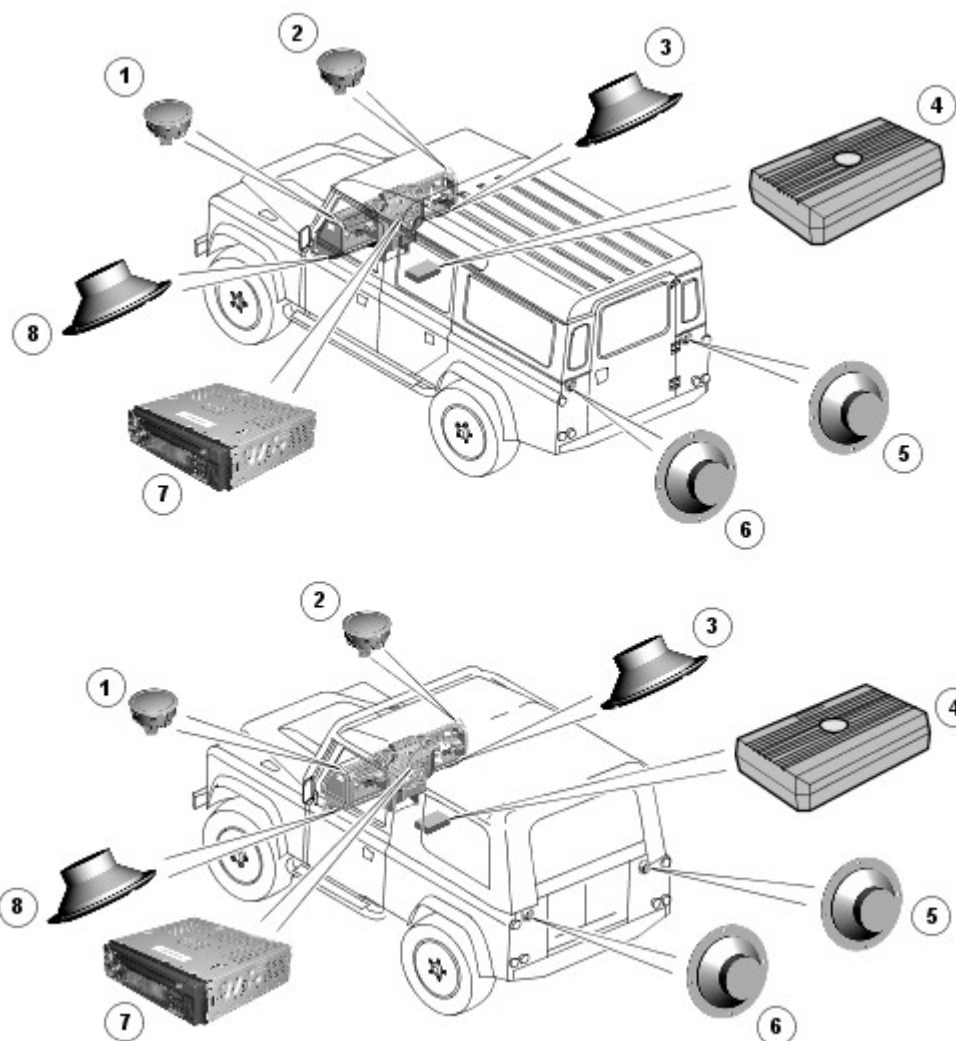
COMPONENT LOCATION - MODELS FROM 2007MY (NOT SVX (60TH ANNIVERSARY) MODEL)



E86512

Item	Part Number	Description
1		Front LH (left-hand) high range speaker
2		Front RH (right-hand) high range speaker
3		Front RH (right-hand) mid range speaker
4		Rear RH (right-hand) mid range speaker
5		Rear LH (left-hand) mid range speaker
6		Audio head unit
7		Front LH (left-hand) mid range speaker

COMPONENT LOCATION - SVX (60TH ANNIVERSARY) MODEL



E101273

Item	Part Number	Description
1		Front LH (left-hand) high range speaker
2		Front RH (right-hand) high range speaker
3		Front RH (right-hand) mid range speaker
4		Sub-woofer
5		Rear RH (right-hand) mid range speaker
6		Rear LH (left-hand) mid range speaker
7		Audio head unit
8		Front LH (left-hand) mid range speaker

OVERVIEW

The audio system comprises a CD tuner unit which directly drives up to 6 speakers. The audio head unit is located in the center of the instrument panel. The head unit combines the following functions:

- AM/FM radio
- Audio CD player
- MP3 CD player
- RDS traffic information receiver

The audio system has no diagnostic capabilities and is not connected to any of the vehicles other systems.

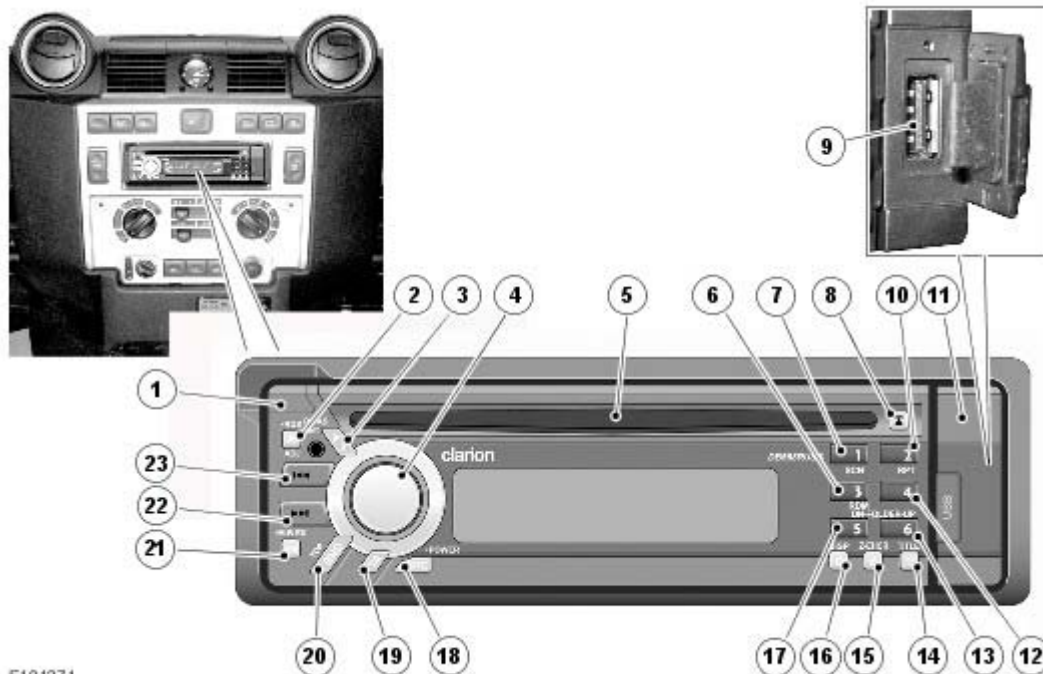
SVX (60th Anniversary) Model

The SVX model has an upgraded head unit, speakers and also a sub-woofer. The head unit has the addition of a USB (universal serial bus) port and is also MP3/WMA compatible.

The 90 model also has two additional speakers located in the rear of the load space.

DESCRIPTION - SVX (60TH ANNIVERSARY) MODEL

Clarion® Head Unit DB568RUSB



E101271

Item	Part Number	Description
1		Detachable control panel release button
2		Auto Frequency (AF) button
3		Pre-set scan button/autostore - radio mode or play/pause a track - CD (compact disc) /MP3/WMA/USB mode
4		Volume rotary control and function select
5		CD (compact disc) insertion/eject slot
6		Station pre-set/store 3 button - radio mode or Random play (RDM) button- CD (compact disc) /MP3/WMA/USB mode
7		Station pre-set/store 1 button - radio mode or Scan (SCN) button- CD (compact disc) /MP3/WMA/USB mode
8		CD (compact disc) eject button
9		USB port
10		Station pre-set/store 2 button - radio mode or repeat play button - CD (compact disc) /MP3/WMA/USB mode
11		USB port cover
12		Station pre-set/store 4 button - radio mode
13		Station pre-set/store 6 button or select folder up (UP) button for MP3/WMA/USB folder options and for CD-DA or MP3/WMA selection with a multi-session disc
14		Title display - MP3/WMA/USB mode
15		'Z' sound enhancer button
16		Display change button
17		Station pre-set/store 5 button or select folder down (DN) button for MP3/WMA/USB folder options and for CD-DA or MP3/WMA selection with a multi-session disc
18		Power on/off and mode select button

19		Traffic announcement button
20		Switch band/seek tuning/manual tuning - radio mode or play first track - CD (compact disc) /MP3/WMA/USB mode
21		Audio mode (bass/treble/balance/fade) or Magna bass selection mode
22		Select station - radio mode or select track forwards - CD (compact disc) /USB mode or fast forward - CD (compact disc) /USB mode
23		Select station - radio mode or select track backwards - CD (compact disc) /USB mode or fast reverse - CD (compact disc) /USB mode

The head unit is located in a central position in the instrument panel, above the heater controls. The head unit locates in an ISO standard radio cage which is specific to the Clarion® head unit. Two special tools are required to remove the head unit from the cage once installed.

A link harness is used to connect the Clarion® head unit to the existing In-Car Entertainment (ICE) harness connectors. The link harness plugs into the existing ICE connector on the main harness and has four phono plugs and one connector to provide the connections to the Clarion® head unit. The phono plugs provide the speaker outputs and are colored red and white. Two of the plug wires have a blue tracer for identification. Two phono plugs connect to the top 2 phono sockets in the head unit and the two phono plugs with the blue tracer connect to the center 2 phono sockets on the head unit. The phono sockets on the head unit are also colored red and white to ensure the correct connections are made and the speaker polarity is correct. The connector also plugs into the rear of the head unit. The aerial plug is a male plug which connects into a socket on the rear of the head unit.

If iPod connectivity is installed an additional iPod audio connectivity module and link harness is used. The audio connectivity module is located on the cross car beam to the right of the head unit and is secured with a zip tie. This harness plugs into the existing ICE connector and the head unit link harness connects to the iPod audio connectivity module link harness. The audio connectivity module has a lead for the antenna connection. The lead from the antenna is plugged into the module antenna connection and the antenna lead from the module then connects into the head unit antenna connector.

The Clarion® DB568RUSB head unit features a detachable control panel which can be removed for security. The panel is released by pressing the button at the top LH (left-hand) corner of the unit. The panel will be released and can be removed and stored in the supplied case. The panel can be refitted by locating the RH (right-hand) end of the panel in the slots in the head unit and gently pushing the LH (left-hand) end of the panel towards the unit until the catch engages.

A USB port is located in the RH (right-hand) hand end of the unit and can be accessed by opening a cover on the detachable control panel. The port allows the use of a customer supplied USB memory device to allow access to a large range of music files in both MP3 and WMA formats. The unit can read the files and folder structures and data from the memory device and play the music directly via the USB port. It is not recommended to use this port for iPod connection.

Full operating instructions and unit features are detailed in the owner literature supplied with the vehicle.

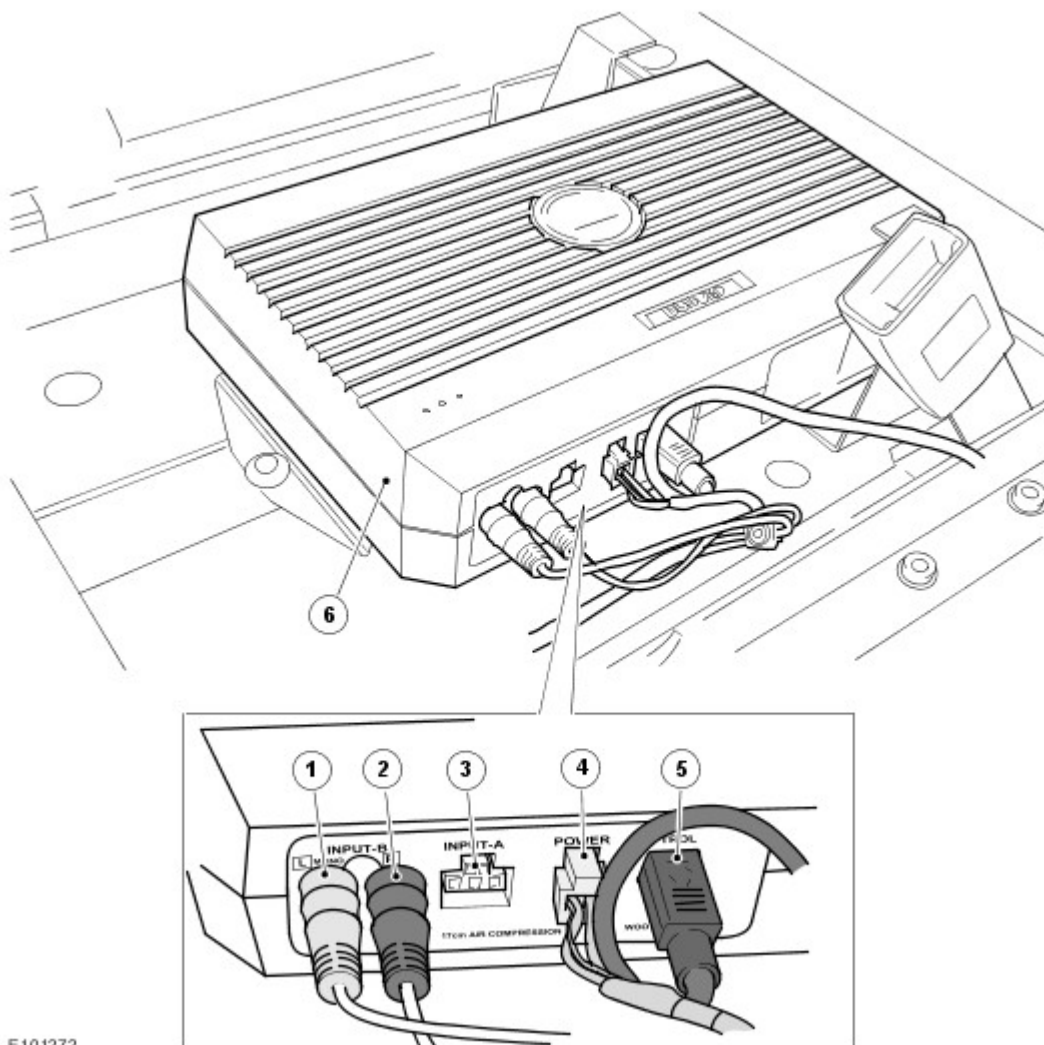
An auxiliary input socket is located inside the cubby box. The socket allows for the additional connection of an MP3 player or other storage device via a single pin jack plug.

Specifications

- Power supply voltage: 14.4 Volts (10.8 to 15.6 Volts allowable) - Negative earth
- Current consumption: less than 15 Amperes
- Speaker impedance: 4 Ohms (4 to 8 Ohms allowable)
- Audio maximum power output: 200 Watts (50 Watts X 4 channels)
- Audio power output: 4 X 25 Watts
- USB 1.1 and 2.0 compatible with transfer rate of 12 Mbps maximum
- MP3 and WMA compatible
- FM frequency range: 87.5 to 108 MHz
- MW frequency range: 531 to 1602 kHz
- AM frequency range: 153 to 279 kHz

The speakers installed in the SVX vehicle are upgraded from the standard fitment and are also supplied by Clarion®. These speakers are connected to the existing speaker harnesses by link leads which allow for the different connector specifications required for the Clarion® speakers.

Clarion Sub-Woofer SRV313



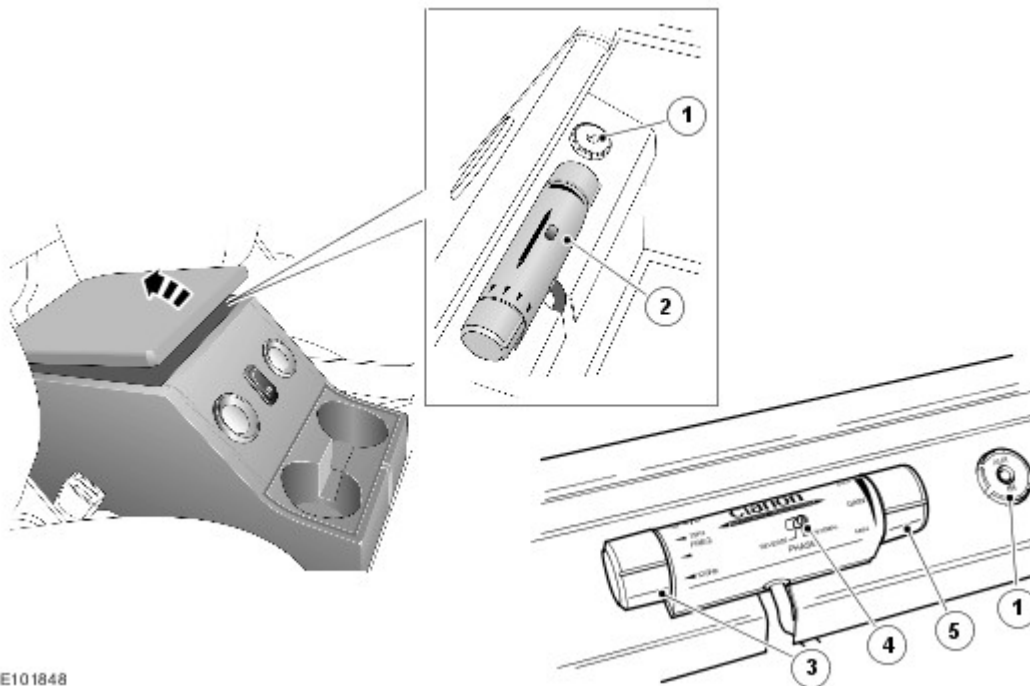
E101272

Item	Part Number	Description
1		LH (left-hand) phono plug speaker input
2		RH (right-hand) phono plug speaker input
3		Not used
4		Power and ground connector
5		Remote control connector
6		Sub-woofer unit

The Clarion® SRV313 sub-woofer is located on the cabin floor below the center cubby box and is secured to the floor with two self-tapping screws.

The sub-woofer is connected to the head unit via a link cable from the head unit. Two phono plugs provide speaker inputs for LH (left-hand) and RH (right-hand) inputs and are colored white and red respectively for identification and connect into the 'Input B' sockets (the 'Input A' socket is not used). A power supply socket provides power and ground for unit power. A 'Remote Control' socket allows for the connection of the remote control unit.

Remote Control and Auxiliary Socket



E101848

Item	Part Number	Description
1		Auxiliary socket
2		Remote control
3		Frequency control
4		Phase switch
5		Gain volume control

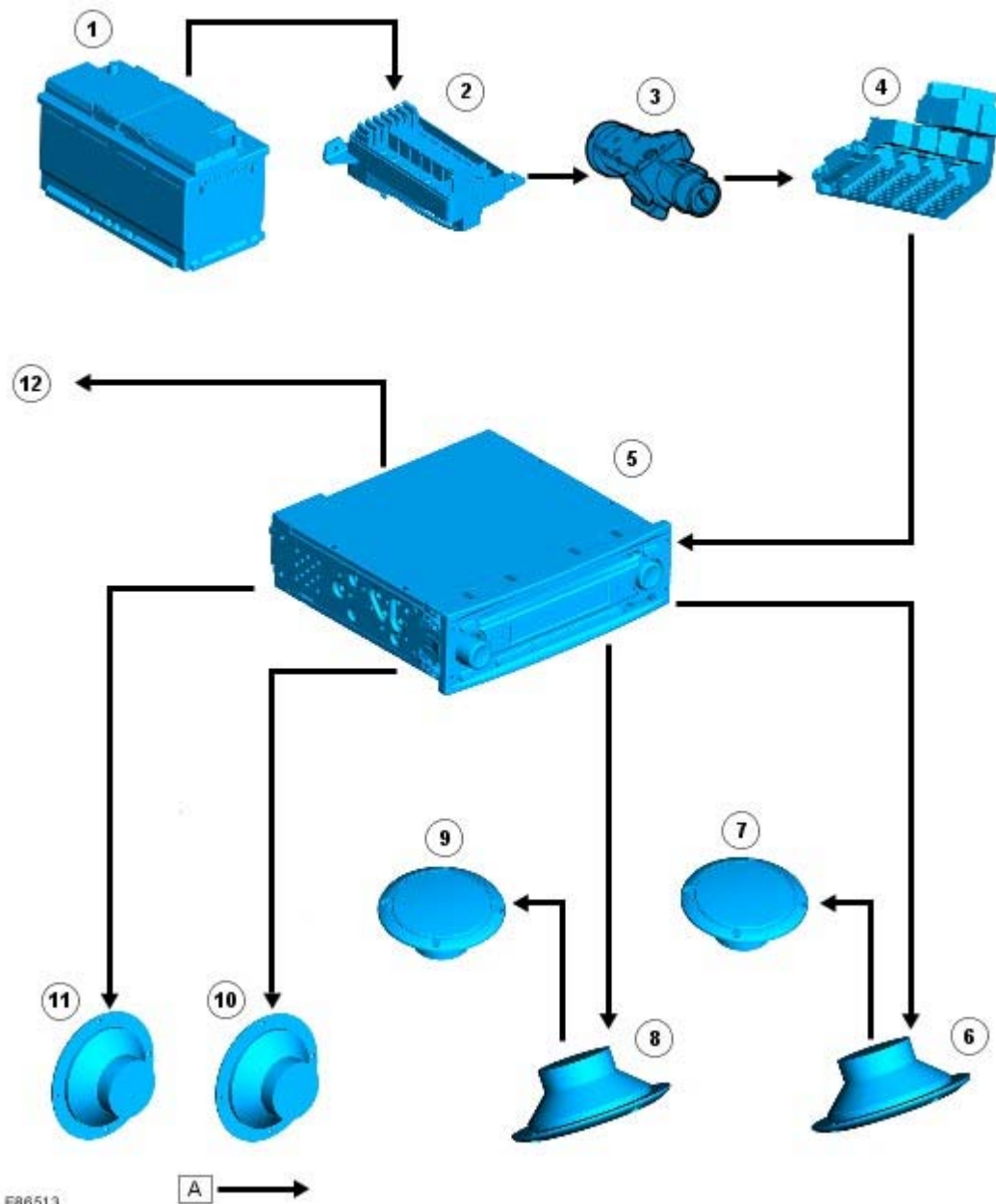
The remote control unit is located in the front of the cubby box and is accessible by lifting the cubby box lid. The remote control has a rotary control on the LH (left-hand) end which allows for adjustment of the sub-woofer bass output by adjusting the cut-off frequency of the low-pass filter. Four selections are available; 50/75/100 and 120 Hz. The sub-woofer will only output frequencies below the selected Hz level. The rotary control on the RH (right-hand) end of the remote control provides for adjustment of the speaker 'gain' and can be used to adjust the sub-woofer volume output, independent of the head unit volume control. A switch on the remote control allows for the sub-woofer phase to be switched between normal and reverse. Clarion recommend for this application the setting is the 'normal' phase.

An auxiliary input socket is located adjacent to the remote control. The socket allows for the connection of an additional auxiliary audio input, an MP3 player for example.

Sub-Woofer Specifications

- 120 Watt high power amplifier with low pass filter
- 17 cm counter drive woofer with dualneodymium magnet
- Air compression structure with die-cast aluminum enclosure
- Wired remote control for gain control/low pass filter (selectable 50/75/100/120 Hz) /phase filter
- Dual 4 Ohm voice coils.

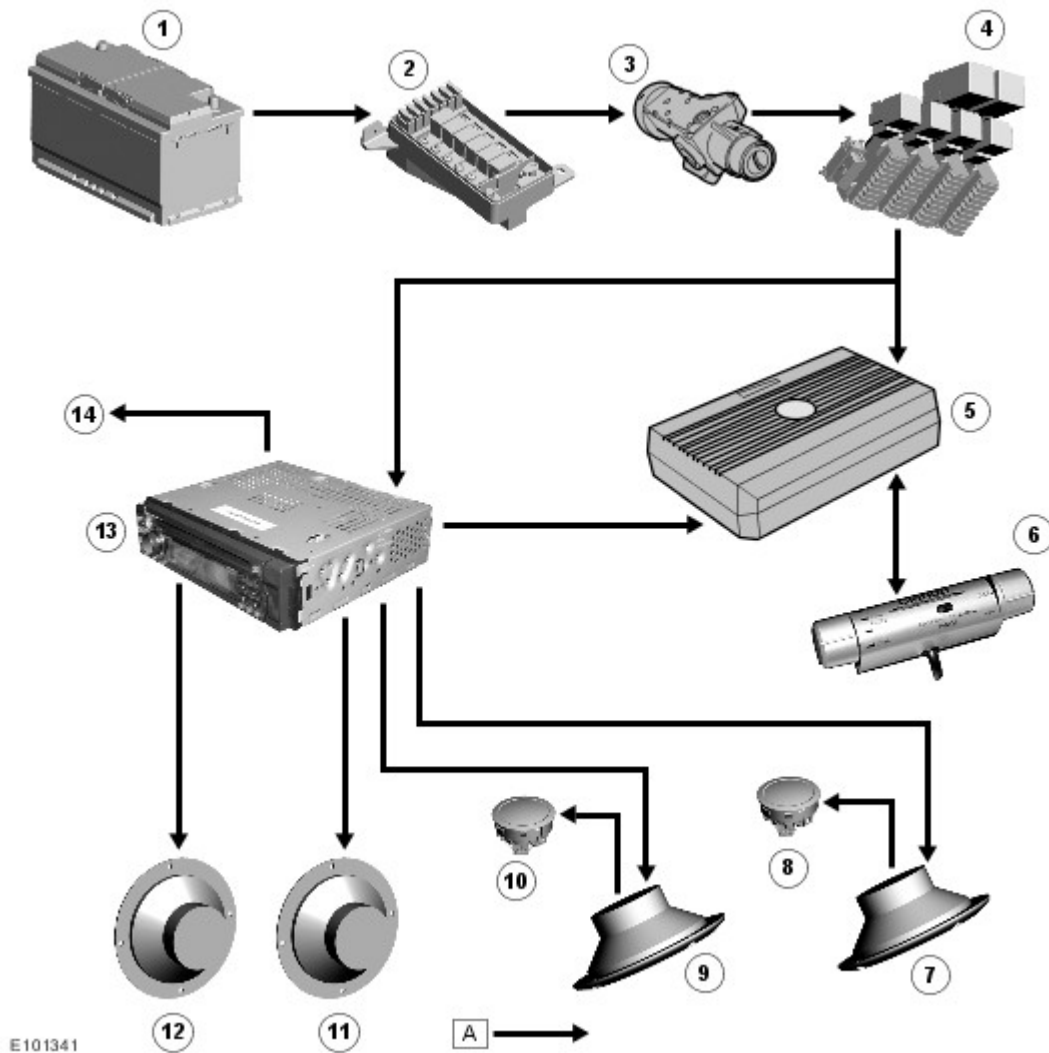
CONTROL DIAGRAM - MODELS FROM 2007MY (NOT SVX (60TH ANNIVERSARY) MODEL)



E86513

Item	Part Number	Description
1		Battery
2		BJB (battery junction box)
3		Ignition switch
4		CJB (central junction box)
5		Audio head unit
6		Front RH (right-hand) mid range speaker
7		Front RH (right-hand) high range speaker
8		Front LH (left-hand) mid range speaker
9		Front LH (left-hand) high range speaker
10		Rear RH (right-hand) mid range speaker
11		Rear LH (left-hand) mid range speaker
12		Antenna

CONTROL DIAGRAM - SVX (60TH ANNIVERSARY) MODEL



E101341

Item	Part Number	Description
1		Battery
2		BJB (battery junction box)
3		Ignition switch
4		CJB (central junction box)
5		Sub-woofer
6		Sub-woofer remote control
7		Front RH (right-hand) mid range speaker
8		Front RH (right-hand) high range speaker
9		Front LH (left-hand) mid range speaker
10		Front LH (left-hand) high range speaker
11		Rear RH (right-hand) mid range speaker
12		Rear LH (left-hand) mid range speaker
13		Audio head unit
14		Antenna

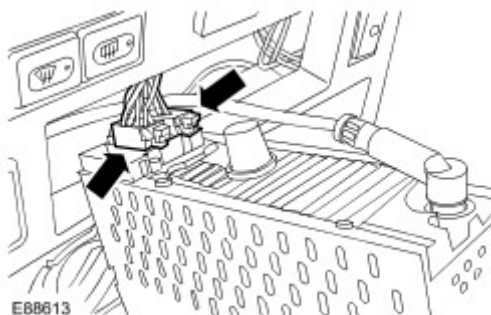
Audio Unit (86.50.81)

Removal

- 1 . Using a suitable tool, release the audio unit.

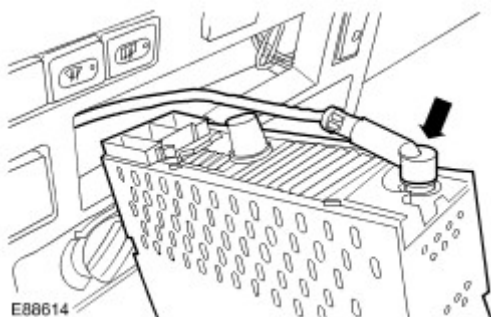


- 2 . Disconnect the 2 electrical connectors from the audio unit.



- 3 . Remove the audio unit.

▶ Disconnect the coaxial cable.



Installation

- 1 . To install, reverse the removal procedure.

Speakers

OVERVIEW

For additional information, refer to [Audio System](#) (415-01)

Instrument Panel Speaker (86.50.11)

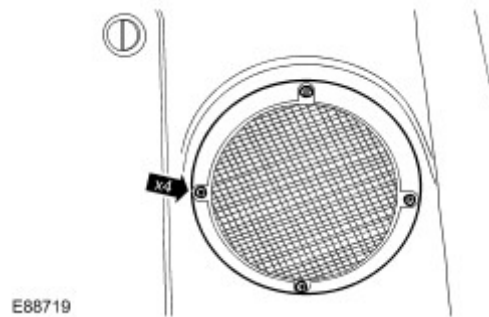
Removal

1 . **NOTE:**

RH shown, LH similar.

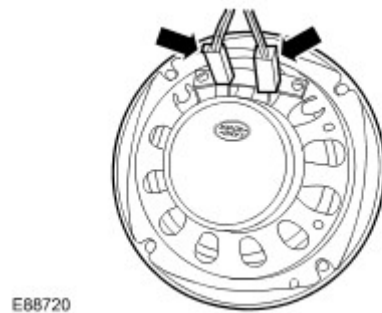
Release the instrument panel speaker.

➤ Remove the 4 screws.



2 . Remove the instrument panel speaker.

➤ Disconnect the 2 electrical connectors.



Installation

1 . To install, reverse the removal procedure.

D-Pillar Speaker

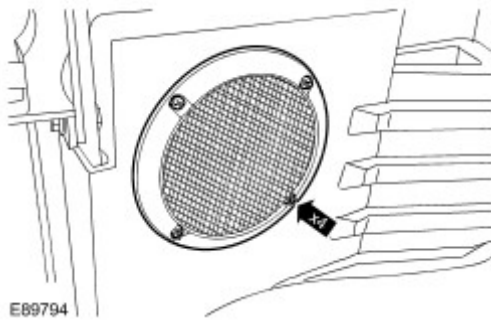
Removal

1 . **NOTE:**

LH shown, RH similar.

Release the speaker.

➤ Remove the 4 screws.



2 . Remove the speaker.

➤ Disconnect the 2 electrical connectors.



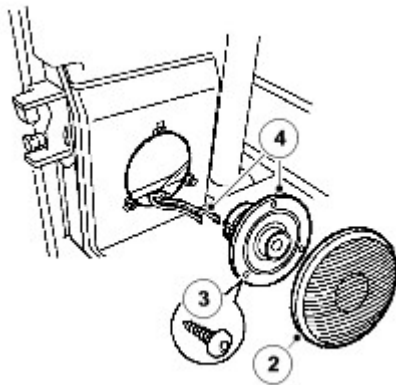
Installation

1 . To install, reverse the removal procedure.

Rear Door Speaker (86.50.12)

Removal

- 1 . Raise rear seat cushion and fit stowage strap.
- 2 . Carefully prise grille from speaker.
- 3 . Remove 3 screws and withdraw speaker from trim panel.
- 4 . Disconnect 2 electrical leads and remove speaker.



J6066

Installation

- 1 . Connect 2 electrical leads, position speaker and secure with screws.
- 2 . Position grille and press firmly to secure.