

6-16 CHASSIS ELECTRICAL

ENTERTAINMENT SYSTEMS

➔The premium sound system is available with all electronic radios. It consists of a maximum of six speakers (two high frequency instrument panel speakers, two premium front door speakers, and two premium rear speakers). The door and instrument panel speakers are wired in parallel. Separate signal return wiring to each speaker is used. The amplifier is in operation and is part of the circuit at all times.

Radio Receiver/Amplifier/Tape Player/CD Player

REMOVAL & INSTALLATION

Continental 1988-1994

1. Disconnect the negative battery cable.
2. Remove the center instrument trim panel.
3. Use the radio removal tools to pull the radio from the instrument panel.
4. Pull the radio to the front and raise the back end of the radio slightly so that the rear support bracket clears the track in the instrument panel. Pull the radio out of the instrument panel slowly.
5. Disconnect the wiring connectors and antenna cable and remove the rear support bracket.

To install:

6. Connect the wiring connectors and antenna cable to radio. Install the rear support bracket.
7. Slide the radio into the instrument panel until the spring clips on both sides of the radio are fully seated.
8. Install the center instrument trim panel.
9. Connect the negative battery cable.

Continental 1995-00

Two sound systems are available in the Continental.

- The base sound system is the luxury analog cassette radio chassis.

- The optional sound system is the JBL® audio system which features two radio speakers mounted in the package tray, a sub-woofer and can be equipped with a digital audio compact disc player.

Both systems utilize a two-chassis design (distributed radio system).

- The luxury analog cassette radio chassis consists of: a housing, a cassette player, a bezel assembly, a large graphic digital display window and electronic control switches and circuitry.

- The rear chassis unit is mounted below the rear package tray and consists of AM and FM tuners; signal processing hardware, and a four-channel power amplifier.

- The luxury analog cassette radio chassis and the rear chassis unit communicate via a Society of Automotive Engineers (SAE) J1708-based audio control protocol. Audio control protocol will also be used to control the digital audio compact disc player and handle commands from the mobile phone.

- Audio signal inputs to the rear chassis units are analog. The analog signal from the cassette is two channels (left and right) of differential signal with twisted and shielded wiring. Inputs for cellular telephone and CD player functions use twisted and shielded wiring.

- Outputs from the rear chassis unit are bridge outputs. The power amplifiers are distortion-limited to prevent severe clipping. The four-channel amplifier is fed with full-range signals.

- The rear chassis unit will process analog signals from the tuner, tape audio, CD player audio and mobile phone audio.

LUXURY

The luxury audio system consists of:

- Two premium front door radio speakers.
- Two rear door radio speakers.
- Separate signal and return wiring to each radio speaker. The rear chassis unit is in operation and is part of the circuit at all times.

JBL

The JBL® sound system consists of:

- Two JBL® two-way radio speakers mounted in the front doors.
- Two JBL® two-way radio speakers mounted in the rear doors.
- Two sub-woofer radio speakers mounted on the package tray and a sub-woofer amplifier mounted under the package tray.
- A rear chassis unit mounted in the luggage compartment.

A console mounted digital audio compact disc player is available as an option with the JBL® sound systems.

*** WARNING ***

Use of controls and adjustments of performance of procedures other than those specified may result in hazardous radiation exposure.

REMOVAL & INSTALLATION

Radio Chassis—Front Control Unit

1. Disconnect the negative battery cable.
2. Install the radio removing tool into the radio face plate far enough to engage the retaining clips.
3. Apply a slight spreading force on the tools and pull the radio chassis out of the instrument panel.
4. Disconnect the wiring connectors and remove the radio chassis.

To install:

5. Connect the wiring connectors to the radio chassis.
6. Slide the radio chassis into the instrument panel. Making sure it is squarely inserted.
7. Push the radio chassis inward until the retaining clips are fully engaged.
8. Connect the negative battery cable.

Radio Chassis—Rear Chassis Unit

1. Disconnect the negative battery cable.
2. Remove the luggage compartment front cover from the luggage compartment.
3. Pull down the rear of the module tray.
4. Disconnect
5. Remove the ground screw and ground strap from the rear chassis unit.
6. Remove the rear chassis unit from the module tray.

To install:

7. Install the rear chassis unit into the module tray.
8. Install the ground strap to the rear chassis unit with the ground screw.
9. Connect the radio antenna isolator to the rear chassis unit cable and the wiring connectors to the rear chassis unit.
10. Secure the module tray with pushpins and install the luggage compartment front cover.
11. Connect the negative battery cable.

Town Car 1988-94

♦ See Figure 29

1. The premium sound system is standard on Lincoln Town Car. It consists of Electronic Premium Cassette radio, four speakers (two premium front door speakers and two premium rear speakers). Separate signal return wiring to each speaker is used. The amplifier is in operation and is part of the circuit at all times.

2. The JBL® sound system consists of the Electronic Premium Cassette radio, four JBL® two-way speakers mounted in the doors and rear package tray, one sub-woofer assembly with built-in amplifier mounted under the rear package tray, and an amplifier mounted in the luggage compartment.

➔A compact disc radio (CDR) is available with the JBL® sound system.

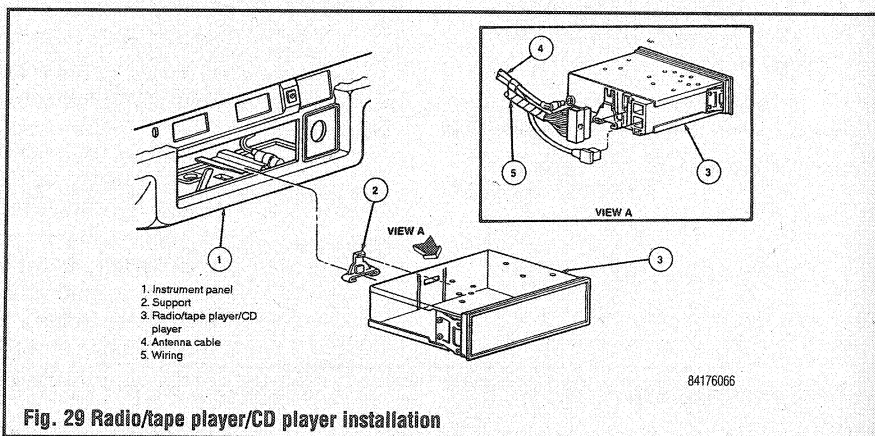


Fig. 29 Radio/tape player/CD player installation