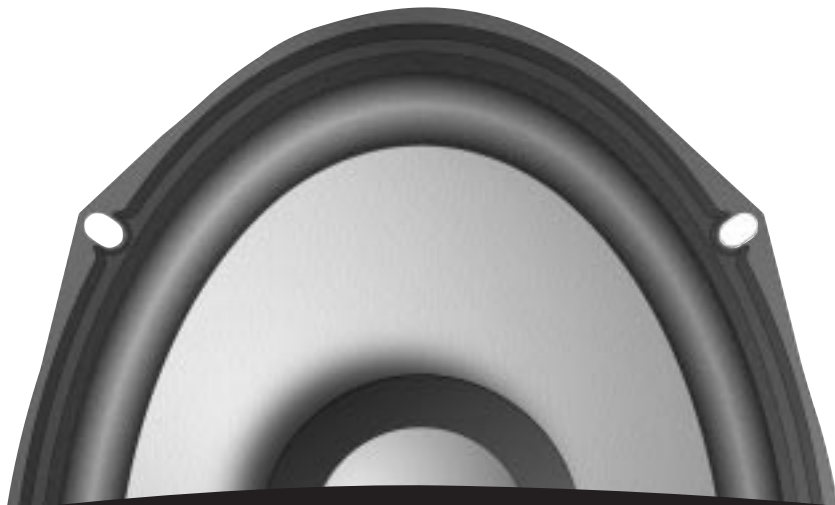




D E C A D E <sup>TM</sup>

DS 3 5 , DS 4 5 , DS 5 5 , DS 6 4 5 , DS 6 5 , DS 7 5 5 , DS 9 6 5



GENUINE JBL



Thank you for purchasing a JBL Decade™ Series multi-element speaker system. We've organized this manual to make your installation as simple and trouble-free as possible. Please read it thoroughly before proceeding. Remember to keep your sales receipt with this manual in a safe place so both are available for future reference.

### Important

Installation of automotive stereo components can require extensive experience with a variety of mechanical and electrical procedures. Although these instructions explain how to install a JBL Decade Series multi-element speaker system in a general sense, they do not show the exact installation methods for your particular vehicle. In many cases, removing door or rear-deck panels is necessary to gain access to the mounting location. This procedure may require specialized tools and a skilled installer. If you do not feel you have the tools or experience necessary, do not attempt the installation yourself, but instead ask your authorized JBL dealer about professional installation options.

### Warning

Playing loud music in an automobile can permanently damage your hearing, as well as hinder your ability to hear traffic. The maximum volume levels achievable with JBL speakers, combined with high power amplification, may exceed safe levels for extended listening. We recommend using low volume levels when in your car. JBL accepts no liability for hearing loss, bodily injury or property damage as a result of use or misuse of this product.

### Installation

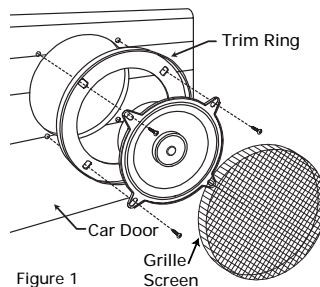


Figure 1

Typical installation of the DS45, DS55, DS65, DS965.

**Note:** The DS35, DS645 and DS75 speakers are designed for direct replacement of factory speakers. Therefore, they do not contain the grilles and trim ring shown in Fig 1. Installation of these models simply entails reversing the steps taken to remove the original speakers.

### Installation Warnings and Tips

- Always wear protective eyewear when using any tools.
- Turn off all audio systems and other electrical devices before you start. Disconnect the negative (-) lead from your vehicle's battery.
- Keep speakers in their package until final installation. When moving a speaker, always rest it with the cone or dome facing up. Never use force to install any speaker.
- Check clearances on both sides of a planned mounting surface before drilling any holes or installing any screws. Remember that the screws can extend behind the surface.
- At the installation sites, locate and make a note of all fuel lines, hydraulic brake lines, vacuum lines and electrical wiring. Use extreme caution when cutting or drilling in and around these areas.

- Caution:** In some cars, fuel tanks may be located directly beneath the rear deck. Check for adequate speaker-basket clearance before considering this location!
- Before drilling or cutting holes, use a utility knife to remove unwanted fabric or vinyl in order to keep material from snagging in a drill bit or saw.
  - For door installations, check the clearance with the windows throughout the range of the window's travel, and verify that a mounted speaker will not interfere with the window crank or power-window mechanism.
  - If mounting speakers elsewhere, check for clearance around rear-deck torsion bars, glove box or other structural elements.
  - Do not mount speakers where they will get wet.

## Specifications

### JBL Decade Series

	DS35	DS45	DS55	DS645
Type:	3-1/2" 2-way	4" 2-way	5-1/4" 2-way	4" x 6" 2-way
Speaker Impedance:	4 ohms	4 ohms	4 ohms	4 ohms
Recommended Amplifier Power Range:	5 – 40 watts	5 – 50 watts	5 – 60 watts	5 – 75 watts
Frequency Response:	110Hz – 20kHz	100Hz – 20kHz	75Hz – 20kHz	100Hz – 20kHz
Sensitivity (@ 2.83V, 1 meter):	90dB	91dB	92dB	91dB
Mounting Depth, Drop-in:	1-7/16" (37mm)	1-11/16" (43mm)	1-3/4" (45mm)	1-3/4" (45mm)
Cut-Out Diameter:	3-1/4" (83mm)	3-13/16" (97mm)	4-5/8" (118mm)	3-3/8" x 5-11/16" (86mm x 145mm)

#### A Note on Power Handling

JBL Decade Series speakers are designed to produce reasonable volume levels with little amplifier power. However, the addition of a subwoofer and an amplifier will enhance the dynamic range of your system and help overcome the ambient noise in a moving vehicle. These speakers are designed to handle the power of a dedicated amplifier driven at or below its rated power. If an amplifier is driven far above its rated power, the output signal will "clip," and the additional power present in a clipped signal can damage the speakers. Distorted or "fuzzy" sound from your speakers is an indication that the amplifier has exceeded its rated power and you should reduce the volume level.

#### General Care

The loudspeaker grilles may be cleaned with a slightly damp cloth. Do not use any cleaners or solvents on the grilles or the speaker cones.

	DS65	DS755	DS965
Type:	6-1/2" 2-way	5" x 7" / 6" x 8" 2-way	6" x 9" 3-way
Speaker Impedance:	4 ohms	4 ohms	4 ohms
Recommended Amplifier Power Range:	5 – 75 watts	5 – 100 watts	5 – 100 watts
Frequency Response:	65Hz – 20kHz	50Hz – 20kHz	45Hz – 20kHz
Sensitivity (@ 2.83V, 1 meter):	92dB	93dB	93dB
Mounting Depth, Drop-in:	1-13/16" (47mm)	2-3/16" (56mm)	2-15/16" (75mm)
Cut-Out Diameter:	5-1/16" (129mm)	5" x 7-3/16" (127mm x 183mm)	6-1/16" x 8-3/4" (154mm x 223mm)

Declaration of Conformity



We, JBL Europe A/S  
Kongevejen 194B  
DK-3460 Birkerød  
DENMARK

declare in own responsibility, that the products described  
in this owner's manual are in compliance with technical  
standards:

EN 50081-1:1992

EN 50082-1:1992

A handwritten signature in black ink, appearing to read 'Steen Michaelsen'.

Steen Michaelsen  
JBL Europe A/S  
Birkerød, DENMARK, 3/99



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