

# POWER SERIES

*p452*

*p552*

*p652*

*p652s*

*p953*

*p6452*

*p8652*



# JBL

THE OFFICIAL BRAND  
OF LIVE MUSIC.

## multielements owner's manual

### THANK YOU

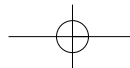
for purchasing JBL Power Series®  
automotive speakers. We've organized  
this manual to make your installation  
as simple and trouble-free as possible.

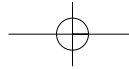
Please read it thoroughly before proceeding.

Remember to keep your sales receipt and this manual  
in a safe place so both are available for future reference.



Designed and  
Engineered  
in the U.S.A.





## INSTALLATION WARNINGS AND TIPS

### ABOUT THESE INSTRUCTIONS

Installation of automotive stereo components can require extensive experience with a variety of mechanical and electrical procedures. Although these instructions explain how to install Power Series multielement speakers in a general sense, they do not show the exact installation methods for your particular vehicle. If you do not feel you have the experience, do not attempt the installation yourself, but instead ask your authorized JBL car audio dealer about professional installation options.

### LOUD MUSIC AND HEARING

Playing loud music in an automobile can hinder your ability to hear traffic as well as permanently damage your hearing. 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 driving. JBL accepts no liability for hearing loss, bodily injury, or property damage as a result of use or misuse of this product.

### REAR DECK PRECAUTION

In some cars, fuel tanks may be located directly beneath the rear deck. Before installation, make sure there is adequate speaker basket clearance before considering this location!

### ABOUT THE CROSSOVER

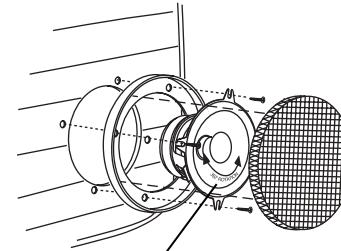
Except for the P6452, each Power Series multielement speaker includes an outboard crossover for in-line connection to an amplifier which is required for proper operation (see Figure 7 on the next page). The attached crossover wires are keyed and color-coded to aid in correct polarity connections. **Do not omit the crossover or substitute another one – doing so will damage the speaker.**

### INSTALLATION TIPS

- Always wear protective eyewear when using any tools.
- Turn off all audio components 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.
- Before drilling or cutting holes, use a utility knife to remove unwanted fabric or vinyl, 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 windows 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.

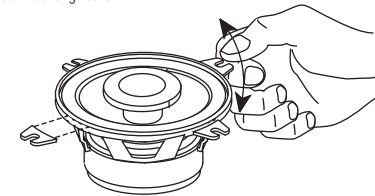
## INSTALLATION

Figure 1. Mounting the P452, P552, P652, P652s or P953 using the supplied grille.



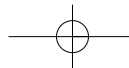
Rotate tweeter so it is angled toward the listener using the UniPivot™ (patent no. 6,002,780) feature on the P552, P652 and P8652.

Figure 2. Modifying the P452 to be installed in locations requiring fewer than four mounting "ears."



NOTE: Grip the tab (preferably with pliers) and bend to detach it from the speaker.

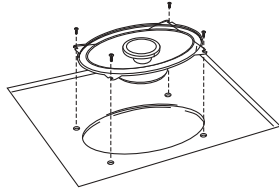
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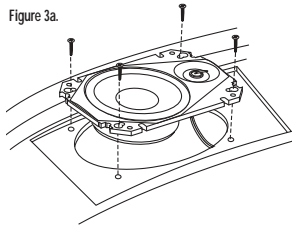
## INSTALLATION

**Figure 3.** Mounting the P8652 and P6452.

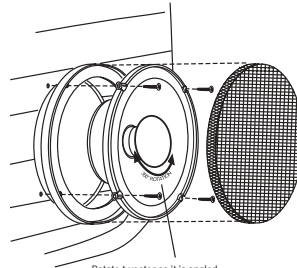
*NOTE: The P6452 and P8652 speakers are designed to be installed under factory grilles. Consequently, no grilles are packaged with these Power Series models.*



**Figure 3a.**

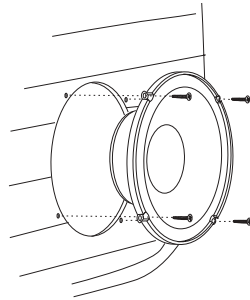


**Figure 4.** Mounting the P652 and P652s using the supplied grilles.

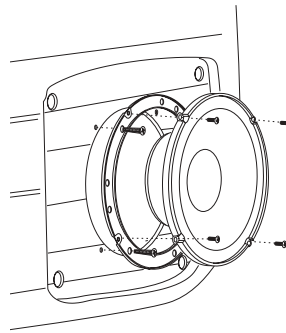


Rotate tweeter so it is angled toward the listener using the UniPivot™ (patent no. 6,002,780) feature on the P552, P652 and P8652.

**Figure 5.** Mounting the P652 and P652s in 165mm speaker locations.



**Figure 6.** Mounting the P652 and P652s in standard speaker locations.

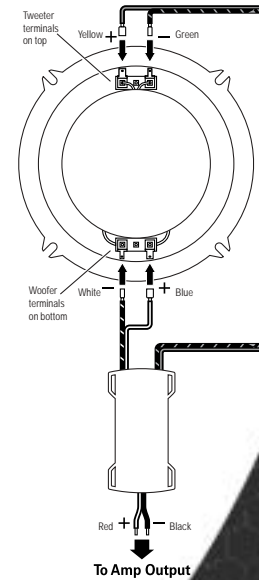


*NOTE: The P652 and P652s use an adapter to fit a variety of different 6" openings. Select an appropriate adapter ring and secure it to the vehicle using the sheet-metal screws provided, then attach the speaker to the ring with the machine screws.*

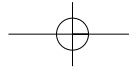
**Figure 7.**

Connecting an in-line crossover to a P652 and an amplifier output. Other speaker models are connected in a similar way.

*NOTE: The positions shown here for the polarities may not resemble the exact connections in every installation. However, in every case, the larger terminal is the positive (+) connection.*



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## SPECIFICATIONS

	P452	P552	P652	P652s	P953	P6452	P8652
Type:	4" two-way	5-1/4" two-way	6-1/2" two-way	6-1/2" shallow-mount two-way	6" x 9" three-way	4" x 6" two-way	6" x 8" (and 5" x 7") two-way
Speaker Impedance:	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
Power Handling:	50W RMS, 150W Peak	55W RMS, 165W Peak	75W RMS, 225W Peak	55W RMS, 165W Peak	110W RMS, 330W Peak	50W RMS, 150W Peak	75W RMS, 225W Peak
Sensitivity (2.83V, 1m):	89dB	89dB	90dB	90dB	90dB	89dB	90dB
Frequency Response:	75Hz – 23kHz	55Hz – 23kHz	45Hz – 23kHz	55Hz – 23kHz	35Hz – 23kHz	75Hz – 23kHz	40Hz – 23kHz
Mounting Depth:	2" (51mm)	2-3/16" (56mm)	2-1/4" (58mm)	1-15/16" (50mm)	3-5/16" (85mm)	2-1/16" (53mm)	2-7/16" (62mm)
Cut-Out Diameter:	3-1/2" (89mm)	4-11/16" (120mm)	5-1/16" (129mm)	5-1/16" (129mm)	8-11/16" x 5-7/8" (221mm x 150mm)	5-5/8" x 4" (143mm x 102mm)	7-3/16" x 4-15/16" (183mm x 126mm)

### GENERAL CARE

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

A valid serial number is required for warranty coverage. Features, specifications and appearance are subject to change without notice.

### Declaration of Conformity



We, Harman Consumer International  
2, route de Tours  
72500 Chateau-du-Loir  
France

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

EN 50081-1:1992  
EN 50082-1:1997



Emmanuel Millot  
Harman Consumer International  
Chateau-du-Loir, France. 2/03

### JBL Consumer Products

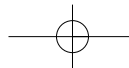
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