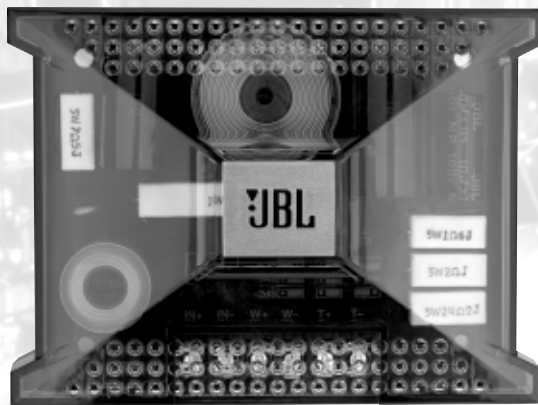


JBL

PRO POWER™

GTi



Professional-Grade Automotive Component Speaker System Owner's Manual

G508GTi

G608GTi

Important: Installation of automotive stereo components can require extensive experience performing a variety of mechanical and electrical procedures. Although these instructions explain how to install a GTi component system in a general sense, they do not show the exact installation method for your particular car. If you don't feel you have the necessary tools or experience, ask your authorized JBL car audio dealer about professional installation options.

Warning: Playing loud music in your automobile can permanently damage your hearing as well as hinder your ability to hear traffic. We recommend listening at low volume while driving. JBL accepts no liability for hearing loss, bodily injury or property damage resulting from use or misuse of this product.

A Note About System Performance
For the best performance possible, the GTi components should be used with a two-channel amplifier with output power of at least 50W RMS per channel. The passive crossover contains impedance-compensating circuitry and has been computer-optimized for the flattest possible frequency response with the tweeter flush-mounted, on-axis with the listener. The combined responses of the speakers and passive crossover constitute a 4th-order Linkwitz-Riley acoustic alignment and cannot be duplicated with any electronic crossover currently available for car audio use. Consequently, bi-amping a GTi component system with an electronic crossover is not recommended.

Speaker Placement

Figures 1–4 show possible speaker placements in the order of most desirable to least desirable. Kick-panel mounting will provide the best staging and imaging in most vehicles.

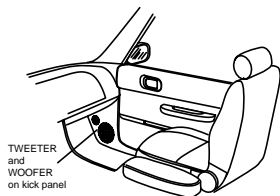


Figure 1.
Mounting the woofer and tweeter in the kick panels

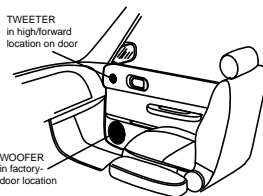


Figure 3.
Mounting the woofer and tweeter in the doors

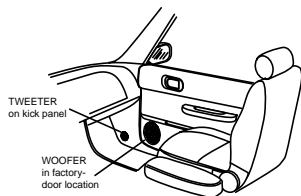


Figure 2.
Mounting the woofer in the door and the tweeter in the kick panel

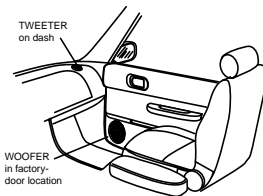


Figure 4.
Mounting the woofer in the door and the tweeter in the dash

Tweeter Installation

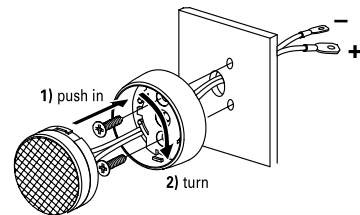


Figure 5.
Surface-mounting the tweeter: first push in (1), then turn (2)

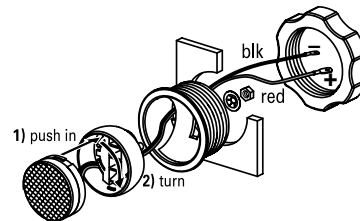


Figure 6.
Flush-mounting the tweeter: first push in (1), then turn (2)

Woofer Installation

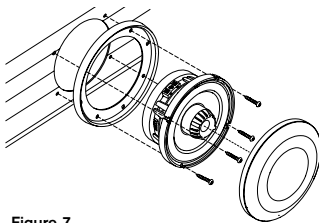


Figure 7.
Mounting the C508GTi or C608GTi woofer where there is no factory speaker location. To mount the C508GTi in factory locations, omit the grille and grille tray.

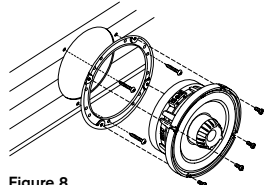


Figure 8.
Mounting the C608GTi woofer in standard 5-1/4" holes (in many Japanese and American automobiles)

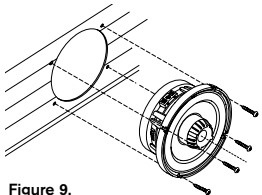


Figure 9.
Mounting the C608GTi woofer in 165mm holes (in many European and American automobiles)

Electrical Connections and Crossover Adjustments

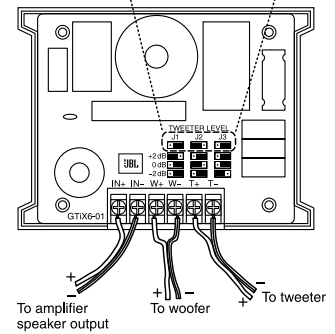
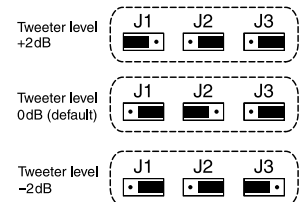


Figure 10.
Connecting the speakers and the amplifier to the crossover

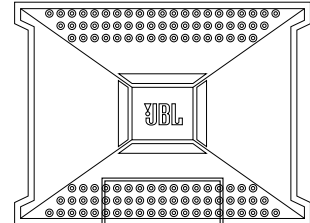
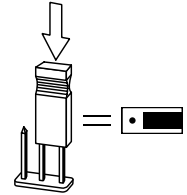


Figure 11.
Adjust the crossover using the jumpers provided

DECLARATION OF CONFORMITY

CE

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 Milot
Emmanuel Milot
Harman Consumer International
Chateau-du-Loir, France 701

Specifications

	C508GTi 5-1/4" Professional-grade automotive component speaker system	C608GTi 6-1/4" Professional-grade automotive component speaker system	Tweeter
Power handling (peak)	500W	600W	n/a
Power handling (RMS)	125W	150W	n/a
Frequency response	58Hz – 21kHz	50Hz – 21kHz	n/a
Nominal impedance	4 ohms	4 ohms	n/a
Sensitivity (2.83V/1m)	88dB	89dB	n/a
Crossover	4th-Order Linkwitz-Riley Acoustic, 3500Hz, 24dB/octave		n/a
Cut-out diameter	4-5/8" (118mm)	5-1/8" (131mm)	1-3/4" (45mm)
Mounting depth	2-3/8" (61mm)	2-11/16" (69mm)	1" (25.4mm)

Thiele and Small Parameters

Revc	3.00	3.50	3.14
Levc	0.16	0.25	0.01
Sd	0.0086	0.0117	0.0006
BL	6.00	6.69	2.22
Vas	3.34	7.90	0.0016
Cms	322.0	405.0	31
Mms	12.07	18.21	0.46
Mmd	11.61	17.48	0.452
Fs	80.7	58.61	1320
Qms	6.51	9.01	1.8
Qes	0.51	0.52	2.463
Qts	0.47	0.50	1.04
Top-plate thickness	0.2" (5.08mm)	0.25" (6.35mm)	n/a
Voice-coil length	0.5" (12.7mm)	0.65" (16.51mm)	n/a
Voice-coil diameter	2" (50.8mm)	2" (50.8mm)	1" (25.4mm)
Xmax	1/8" (3.44mm)	1/8" (3.44mm)	n/a

JBL Consumer Products • 250 Crossways Park Drive, Woodbury, NY 11797
1-800-336-4JBL (4525) www.jbl.com

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