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User's Manual

Car speakers JBL GTO 329

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JBLby **HARMAN**

JBL® GTO SERIES SPEAKERS

A complete, innovative line of high-fidelity automotive speakers in popular factory-replacement and aftermarket-size configurations

JBL® GTO Series high-fidelity automotive speakers feature innovative technologies engineered for the environment and conditions in today's cars to deliver exceptional sound. Using the patented Plus One® woofer cone technology and rugged construction materials like FRP (fibreglass reinforced plastic) frames, butyl rubber surrounds and fabric tweeter diaphragms, GTO Series automotive speakers are the ideal upgrade to any car's audio system. The most popular factory-replacement and aftermarket sizes are covered including component separates with woofer, tweeter and passive crossover. Easily installed and built to last, JBL GTO Series speakers bring music to life in the car, providing high-end performance at moderate prices.

HIGHLIGHTS (All Models)

- Advanced FRP frames are nonmagnetic to transfer more energy to the voice coil, and the nonresonant property improves overall sound quality.
- Carbon-injected Plus One cones deliver more diaphragm area than other speakers in the class. The carbon material is light while still maintaining stiffness to perform well with rapid cone movement.
- Frequency response up to 21kHz means a bright, airy sound that opens up the listening space.
- Vented magnet assemblies keep the voice coil cool and reduce power compression over time.
- Three-ohm voice coils help compensate for added resistance in thin-gauge factory speaker wire. Compatible with all 4 ohm-rated amplifiers and head units.
- High sensitivity (91-94dB @ 2.83V/1m) means these speakers play loud even with moderate power.
- Modern cosmetics with high-tech grilles on many models where surface mounting is common.
- Rigorous testing and evaluation equal to carmaker reliability standards. No other competitors even come close to this level of product development detail.
- Modern cosmetics with high-tech grilles on many models where surface mounting is common.

HIGHLIGHTS (Coaxial Models)

- Edge-driven soft dome tweeter diaphragm delivers a rich detail of vocals and instruments in music while improving overall power handling.
- Unipivot™ tweeter on 5-1/4" (130mm) and larger models aims the sound to the listener's ears.
- 0 or +3dB adjustable tweeter level on 5-1/4" (130mm) and larger models to suit on or off-axis placement.
- Mounting adapter rings included in 4"x6" and 6-1/2" (165mm) models for increased install coverage.

HIGHLIGHTS (Component Separates)

- 3/4" (19mm) edge-driven soft dome tweeter for greater flexibility of placement within the vehicle's interior.
- Patented I-Mount™ tweeter mounting system allows flush or surface mounting to blend with the interior.
- Dedicated 12dB/octave passive crossover networks increase power handling and musical clarity.

SUMMARY

GTO Series speakers provide high-end performance at moderate prices.



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TECHNICAL SPECIFICATIONS (Component Separates)

GTO 509C (Component System) 5-1/4" (130mm)
 Peak power handling: 225W
 Power handling: 75W RMS
 Recommended power: 5W – 200W RMS
 Frequency response: 67Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 92dB
 Fits behind factory grilles. Accessory grilles included.

GTO 609C (Component System) 6-1/2" (165mm)
 Peak power handling: 270W
 Power handling: 75W RMS
 Recommended power: 5W – 200W RMS
 Frequency response: 67Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 92dB
 Fits behind factory grilles. Accessory grilles included.

TECHNICAL SPECIFICATIONS (Coaxials and 6" x 9" Three-way)

GTO 329 (Coaxial) 3-1/2" (87mm)
 Peak power handling: 75W
 Power handling: 25W RMS
 Recommended power: 5W – 50W RMS
 Frequency response: 85Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 91dB
 Fits behind factory grilles.

GTO 6429 (Coaxial) 4" x 6"
 Peak power handling: 135W
 Power handling: 45W RMS
 Recommended power: 5W – 50W RMS
 Frequency response: 75Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 92dB
 Fits behind factory grilles.

GTO 429 (Coaxial) 4" (100mm)
 Peak power handling: 105W
 Power handling: 35W RMS
 Recommended power: 5W – 50W RMS
 Frequency response: 75Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 92dB
 Fits behind factory grilles. Accessory grilles included.

GTO 939 (Three-way) 6" x 9"
 Peak power handling: 300W
 Power handling: 100W RMS
 Recommended power: 5W – 200W RMS
 Frequency response: 46Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 94dB
 Fits behind factory grilles. Accessory grilles included.

GTO 529 (Coaxial) 5-1/4" (130 mm)
 Peak power handling: 135W
 Power handling: 45W RMS
 Recommended power: 5W – 75W RMS
 Frequency response: 67Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 92dB
 Fits behind factory grilles. Accessory grilles included.

GTO 8629 (Coaxial) 6" x 8" / 5" x 7"
 Peak power handling: 180W
 Power handling: 60W RMS
 Recommended power: 5W – 125W RMS
 Frequency response: 49Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 93dB
 Fits behind factory grilles.

GTO 629 (Coaxial) 6-1/2" (165 mm)
 Peak power handling: 180W
 Power handling: 60W RMS
 Recommended power: 5W – 125W RMS
 Frequency response: 53Hz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 93dB
 Fits behind factory grilles. Accessory grilles included.

Also Available - Stand-alone 3/4" Component Tweeter

GTO 19T 3/4" (19mm)
 Peak power handling: 135W
 Power handling: 45W RMS
 Recommended power: 5W – 75W RMS
 Frequency response: 2.5kHz – 21kHz
 Nominal impedance: 3 ohms
 Sensitivity (2.83V/1m): 93dB
 Fits behind factory grilles. Accessory grilles included.



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FEATURES	ADVANTAGES	BENEFITS
Carbon injected Plus One cone	A larger diaphragm than other speakers in the same size class means more air moves with the stiff carbon cone	Better low-frequency response and musical character than other speakers the same size
Carbon composite, nonmagnetic frames	Transfers more energy to the moving parts of the speaker and resists warping on uneven surfaces during installation	Consistent performance and longer life
Frequency response up to 21kHz	Helps to compensate for placement variations in the car and human hearing deficiencies in the high frequencies	Delivers more of the full-range response that you associate with great sound
Vented magnet assemblies	Increases cooling to the speaker's voice coil	Reduces power compression and unwanted distortion
Three-ohm voice coils	Compensates for added resistance in thin-gauge factory speaker wiring for full power delivery. Compatible with all 4 ohm-rated amplifiers and head units	Full power delivery means more rich sound delivered to the listener's ears
High sensitivity (91-94dB @ 2.83V/1m)	Allows a wider range of power to have positive results	Excellent volume and musicality with as little as 5W RMS means better performance
Edge-driven soft dome tweeter (on 5-1/4" and larger coaxials and component sets)	Increased power handling and smoother high-frequency response	More lifelike vocals, cymbals, brass instruments and piano sounds
UniPivot™ (U.S. patent no. 6,002,780) tweeter on 5-1/4" and larger coaxials)	Allows tweeter to be aimed toward listener's ears in lower factory speaker positions to project the sound much higher up across the dash	Raises the sound stage and makes the music more realistic
0 or +3dB tweeter level adjustment (on 5-1/4" and larger coaxials)	More control of the high-frequency blend to accommodate a greater variety of installation locations	Increased ability to personalize the sound for the listener's taste
I-Mount™ (U.S. patent no. 5,859,917) tweeter mounting system on component speaker sets	Allows for surface or flush mounting of the 3/4" (19mm) component tweeter	Offers greater flexibility of installation to blend placement tastefully with interior surfaces
Dedicated 12dB/octave passive crossover network on component speaker sets	Filters low and high-frequencies to the appropriate speakers while increasing power handling	Enhances sound quality and blend of the components as if a single speaker
Mounting hardware	Grilles, mounting adapter rings and/or tweeter cups all included in the specific models where necessary	More flexibility for installation options



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