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You can read the recommendations in the user guide, the technical guide or the installation guide for JBL GTO 301.1 II. You'll find the answers to all your questions on the JBL GTO 301.1 II in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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**GRAND
TOURING®
SERIES II**

gto 75.2 II
gto 75.4 II
gto 755.6 II
gto 301.1 II
gto 601.1 II
gto 1201.1 II

car audio
power amplifier
owner's manual

JBL
THE OFFICIAL BRAND
OF LIVE MUSIC.

JBL
Grand Touring

THANK YOU
for purchasing a JBL Grand Touring® Series II amplifier.
In order that we may better serve you should you
require warranty service for your new amplifier, please
retain your original purchase receipt and return the
enclosed warranty registration card.



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Manual abstract:

2 II gto75.4 II gto755.6 II gto301.1 II gto601.1 II gto1201.1 II car audio power amplifier owner's manual THANK YOU for purchasing a JBL Grand Touring® Series II amplifier. In order that we may better serve you should you require warranty service for your new amplifier, please retain your original purchase receipt and return the enclosed warranty registration card. **INSTALLATION WARNING:** Playing loud music in an automobile can hinder your ability to hear traffic and permanently damage your hearing. We recommend listening at low or moderate levels while driving your car. JBL accepts no liability for hearing loss, bodily injury or property damage resulting from the use or misuse of this product.

IMPORTANT: To get the best performance from your JBL Grand Touring® Series II amplifiers, we strongly recommend that installation be entrusted to a qualified professional. Although these instructions explain how to install GTO amplifiers in a general sense, they do not show specific installation methods that may be required for your particular vehicle. If you do not have the necessary tools or experience, do not attempt the installation yourself. Instead, please ask your authorized JBL car audio dealer about professional installation. **INSTALLATION WARNINGS AND TIPS** · Always wear protective eyewear when using tools.

· Turn off the audio system and other electrical devices before you start. · Remember that the screws can extend behind the surface. · 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. · If the amplifier's fuse must be replaced, use only the same type and rating as that of the original.

Do not substitute another kind. **CHOOSING A LOCATION AND MOUNTING THE AMPLIFIER** Choose a mounting location in the trunk or cargo area where the amplifier will not be damaged by shifting cargo. Amplifier cooling is essential for proper amplifier operation. If the amplifier is to be installed in an enclosed space, make sure there is sufficient air circulation for the amplifier to cool itself. When mounting the amplifier under a seat, ensure that it is clear of all moving seat parts and does not affect the seat adjustments. Mount the amplifier so it is not damaged by the feet of backseat passengers. Make sure that the amplifier is mounted securely using nuts and bolts or the supplied mounting screws. Mount the amplifier so that it remains dry never mount an amplifier outside the vehicle or in the engine compartment. **POWER CONNECTIONS** The GTO amplifiers are capable of delivering extremely high power levels, and require a heavy-duty and reliable connection to the vehicle's electrical system in order to perform optimally. See Figure 1 for connection location.

Please adhere to the following instructions carefully: **Ground Connection** Connect the amplifier's Ground (GND) terminal to a solid point on the vehicle's metal chassis, as close to the amplifier as possible. Refer to the chart below to determine minimum wire-gauge size. **Do not install the fuse at this time.** **Remote Connection** Connect the amplifier's Remote (REM) terminal to the source unit's Remote TurnOn lead using a minimum of 18-gauge wire. **NOTE:** When using the speaker level inputs, connect the remote (REM) terminal to the source unit. If your source unit does not have a remote turn-on connection, connect the amplifier's (REM) terminal to the vehicle's accessory circuit. **Speaker Connections** Refer to the application guides on the pages that follow. Speaker connections should be made using a minimum of 16-gauge wire. **High-Level Input Connections** The GTO75.2 II, GTO75.4 II and GTO755.6 II amplifiers are equipped with speaker-level inputs that allow you to add an amplifier to head units that do not have RCA line outputs.

Remember to check for proper polarity. GTO subwoofer amplifier with two woofer connections.

Figure 3.

NOTE: Minimum speaker impedance for stereo operation is 2 ohms. GTO75.2 II amplifier set up for stereo operation. **NOTE:** Minimum speaker impedance for stereo operation is 2 ohms.

GTO75.4 II amplifier in 4-channel (stereo) operation to drive front and rear full-range speakers. Subwoofer + GTO75.4 II (partial end panel) + Figure 7. GTO75.4 II is set up for 3-channel operation to drive a set of full-range speakers and a subwoofer. + GTO75.4 II (partial end panel) + Figure 8. GTO75.4 II used in bridged 2-channel mode to drive a set of components or subwoofers.

4 APPLICATIONS GTO755.6 II The GTO755.6 II can be configured for 6-channel, 5-channel or 3-channel operation, as shown in Figures 9 through 11. **Input Mode Switch:** · Use INT (internal mode) to send a signal from the front and rear inputs to the subwoofer. · Use EXT (external mode) when sending a dedicated signal to the subwoofer inputs; e.g., if your source unit has a subwoofer output. + + + Subwoofer + Rear Right + Front Right + GTO755.6 II (partial end panel) **NOTE:** For simplicity, Figures 9 through 11 do not show power, remote and input connections. **NOTE:** Minimum speaker impedance for stereo operation is 2 ohms.

Systems using a separate subwoofer set the crossover mode to HP (high pass) for your full-range speakers. Adjust the crossover frequency to limit bass and provide increased system volume with less distortion. For subwoofers, choose the highest frequency that removes vocal information from the sound of the subwoofer. If using the GTO75.2 II or GTO75.

4 II to drive a subwoofer(s), set the crossover mode to LP (low pass). **NOTE:** The GTO301.III, GTO601.III, GTO1201.III and the subwoofer output of the GTO755.

6 II are low-pass only and do not have a crossover mode switch. Figure 12. Control end panel. **SETTING INPUT SENSITIVITY 1.** Initially turn the INPUT LEVEL control(s) to minimum (counter clockwise). 2. Reconnect the (-) negative lead to the vehicle's battery. Apply power to the audio system and play a dynamic music track. 3. On the source unit, increase the volume control to 3/4 volume.

Slowly increase the INPUT LEVEL control(s) toward three o'clock until you hear slight distortion in the music. If not, check the wiring, especially the remote connection from the source unit. Also refer to "Troubleshooting" on the next page. **REMOTE LEVEL CONTROL** The GTO755.6 II and all three GTO subwoofer amplifiers have inputs for an optional remote level control (RLC). Under the dash or in the center console are both suitable locations. **SETTING THE BASS BOOST** The GTO755.6 II, GTO301.III, GTO601.III and GTO1201.

III are all equipped with a bassboost control. This allows you to adjust the bass output of your system at 50Hz up to 12dB and enhance low frequency. **AUX OUTPUT** GTO amplifiers (except GTO755.



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6 II) are equipped with full-range outputs that can be used to connect additional amplifiers. @@INSTALLI ohms) · 1114W RMS x 1 channel at 2 ohms, 14.4V supply and 1% THD + N · Dynamic power: 1339W at 2 ohms · Effective damping factor: 6.348 at 4 ohms · Frequency response: 10Hz 302Hz (3dB) · Maximum input signal: 6.1V · Maximum sensitivity: 75mV · Output regulation: .14dB at 4 ohms · Dimensions (L x W x H): 18-11/16" x 12-5/16" x 2-3/8" · Fuse rating: 3 x 40A GTO75.2 II · 97W RMS x 2 channels at 4 ohms and 1% THD + N · Signal-to-noise ratio: 82dBA (reference 1W into 4 ohms) · 145W RMS x 2 channels at 2 ohms, 14.

4V supply and 1% THD + N · 290W RMS x 1 channel at 4 ohms, 14.4V supply and 1% THD + N · Dynamic power: 190W at 2 ohms · Effective damping factor: 6.39 at 4 ohms · Frequency response: 10Hz 90kHz (3dB) · Maximum input signal: 5.5V · Maximum sensitivity: 75mV · Output regulation: .098dB at 4 ohms · Dimensions (L x W x H): 11-5/8" x 12-5/16" x 2-3/8" · Fuse rating: 1 x 30A GTO75.4 II · 104W RMS x 4 channels at 4 ohms and 1% THD + N · Signal-to-noise ratio: 80dBA (reference 1W into 4 ohms) · 142W RMS x 4 channels at 2 ohms, 14.4V supply and 1% THD + N · 284W RMS x 2 channels at 4 ohms, 14.4V supply and 1% THD + N · Dynamic power: 163W at 2 ohms · Effective damping factor: 6.384 at 4 ohms · Frequency response: 10Hz 83kHz (3dB) · Maximum input signal: 5.8V · Maximum sensitivity: 75mV · Output regulation: .

069dB at 4 ohms · Dimensions (L x W x H): 15-1/8" x 12-5/16" x 2-3/8" · Fuse rating: 2 x 30A GTO755.6 II · 60W x 4 channels and 107W x 2 channels, at 4 ohms and 1% THD + N · Signal-to-noise ratio: 79dBA (reference 1W into 4 ohms) · 80W x 4 channels, 150W x 2 channels at 2 ohms, 14.4V supply and 1% THD + N · 160W x 2 channels, 300W x 1 channel at 4 ohms, 14.4V supply and 1% THD + N · Dynamic power: 117W (channels 1, 2, 3, 4); 163W (channels 5, 6) into 2 ohms · Effective damping factor: 6.392 at 4 ohms · Frequency response: 10Hz 47kHz (channels 1, 2, 3, 4); 10Hz 302Hz (channels 5, 6) · Maximum input signal: 6V · Maximum sensitivity: 75mV · Output regulation: .042dB at 4 ohms · Dimensions (L x W x H): 18-11/16" x 12-5/16" x 2-3/8" · Fuse rating: 2 x 30A Declaration of Conformity We, Harman Consumer Group International 2, route de Tours 72500 Chateau-du-Loir France declare in own responsibility that the product described in this owner's manual is in compliance with technical standards: EN 55013:2001 EN 55020:2002 JBL Consumer Products 250 Crossways Park Drive, Woodbury, NY 11797 USA © 2004 Harman International Industries, Incorporated JBL and Grand Touring are registered trademarks of Harman International Industries, Incorporated. Specifications and appearance are subject to change without notice. Part No. GTOAMPOM12/04 Klaus Leberz Harman Consumer Group International Chateau-du-Loir, France 12/04 www.jbl.

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