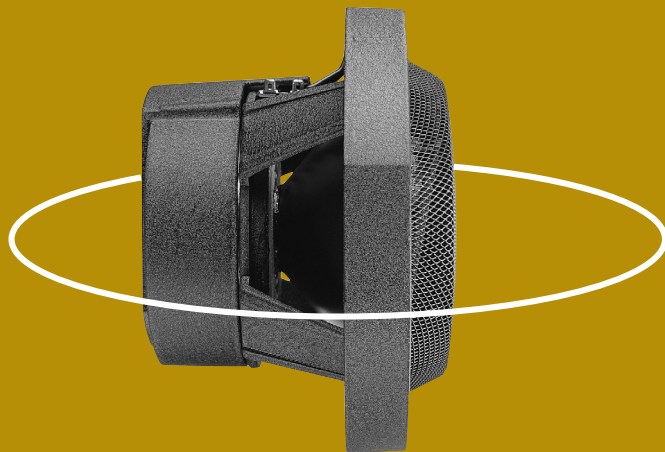


JBL

GRAND TOURING SERIES



AUTOMOTIVE FULL RANGE SPEAKER SYSTEM

T595 LIMITED OWNER'S MANUAL

GENUINE JBL

Thank you for purchasing these special edition JBL speakers. This owner's manual has been organized to make installing and enjoying your new speakers as easy as possible. Please read through this manual before beginning to install the speakers. If you decide that you would rather leave installation to a professional, please consult your JBL dealer.

Autosound at Its Best

The T595 Limited is the latest update of one of the legends of autosound. The T595 was originally designed to be "state of the art" and, as the years have passed, that original vision has required few updates to maintain that status. The T595's heritage is readily apparent. From its rugged cast-frame titanium tweeter, lacquer-coated pulp-woofer cone, to its bi-amplification capability, the T595 is a statement of JBL's mastery of engineering. This latest edition of the T595 utilizes a butyl rubber surround that not only offers sonic improvements, but adds to the speaker's environmental durability. JBL is committed to ensuring your long-term enjoyment of these speakers. Because of this, your T595 can be reconed, allowing a lifetime of musical enjoyment. JBL has long been one of the most respected names in professional, home and car audio. For more than 50 years, JBL has strived to offer the best products available. The T595 is a perfect example of our ongoing commitment to quality sound reproduction.

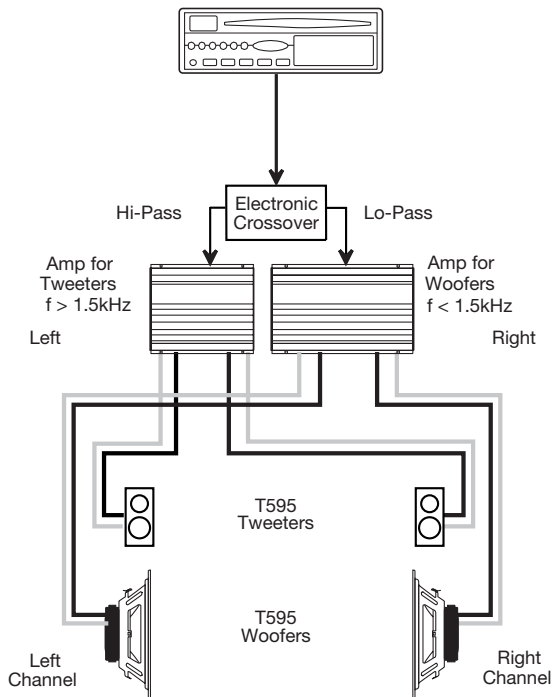
Important Paperwork

Before proceeding, be sure to put the sales receipt from your JBL T595 Limited purchase in a safe place. It is necessary to validate your Limited warranty. Having access to the receipt is also valuable for insurance purposes and for future reference. It is also recommended that the complete audio installation be planned before starting. The routing of signal and power wires, potential loudspeaker and amplifier locations, as well as the existing location of the car's structural members and fuel system components, should all be carefully considered before proceeding.

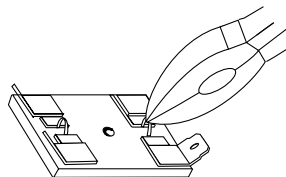
Installation Warnings and Tips

- The T595 Limited loudspeakers are typically mounted in the rear quarter panels or rear deck of most vehicles. When placed in a location that offers adequate airspace behind the speaker, the T595 is capable of providing very powerful and extended bass response.
- Be careful not to cut or drill into fuel tanks, fuel lines, brake or hydraulic lines, vacuum lines or electrical wiring when working on your vehicle. Inspect behind panels before you cut or drill.
- Check for clearance around rear deck torsion bars or other structural elements.
- Do not mount speakers where water may splash on the cones.
- Check to make sure that the speakers are hooked up in proper polarity before soldering and insulating the terminals.
- Make sure that it will be easy to run connecting wires to the speakers. Trace speaker wire paths before you undertake mounting.
- Always disconnect the ground wire from the battery before doing any work on the vehicle.

CAUTION: Fuel tanks are located directly beneath the rear deck in some cars. Check for adequate speaker basket clearance before considering this location!



T595 Limited in bi-amplified configuration connected to a dedicated high-frequency (>1500Hz) and a dedicated low-frequency (<1500Hz) amplifier.



Removing bi-amplification jumpers.

Bi-amplification: The T595 Limited speakers are equipped with two sets of speaker terminals connected by short jumper strips. If you wish to power your loudspeaker system with two amplifiers you must separate the two sets of speaker terminals. By clipping the jumper wires, the high-frequency input will be separated from the low-frequency input and the loudspeaker system will be ready for bi-amplification. (See diagram.) It is recommended that the factory 1500Hz crossover point be the lowest used with the high-frequency drivers of the T595 Limited speakers. The slope of any external crossover should be 12dB per octave or greater.

A Note on Power Handling

As a result of their high efficiency, all JBL loudspeakers will produce reasonable volume levels in the automotive environment using very little amplifier power. However, the use of a small amplifier to attain very high volume levels could lead to overdriving the amplifier. This will generate high distortion levels which can easily damage loudspeakers, **even if the rated power of the amplifier is below the rated maximum power handling of the loudspeaker!**

As a general rule, do not turn up the volume control past the point where you hear distortion in the form of either signal distortion from an overdriven amplifier or mechanical noise from an overstressed speaker.

For the best performance and system reliability, you should select an amplifier with an output rating greater than the maximum power likely to be used to generate the desired volume levels.

Your JBL dealer will be able to recommend which JBL amplifiers are best for your application and listening habits. Following these guidelines will provide sound reproduction free from audible distortion and help ensure years of listening pleasure.

WARNING: Playing loud music over 120dB can permanently damage your hearing. The maximum volume levels achievable with JBL components and high power amplification may exceed safe levels for extended listening. When listening at high volume levels, always use hearing protection or turn the volume down!

Specifications

Component Systems

T595 Limited

6"x 9" 3-way high-performance cast frame automotive speaker

Speaker Impedance	4 Ohms
Recommended Amplifier Power Range	10 – 150 Watts RMS
Frequency Response	35Hz – 22kHz
Sensitivity	94dB
Mounting Depth	
Drop In:	3-5/8" (93mm)
Bottom Mount:	4-5/8" (118mm)
Mounting Cutout Diameter:	Universal 6"x 9" (152mm x 229mm)



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DECLARATION OF CONFORMITY



We, JBL Europe A/S
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DENMARK

declare in own responsibility, that this
loudspeaker conforms to all the relevant
standards in EMC Directive (89/336/EEC).

Steen Michaelsen
JBL Europe A/S
Birkerød, DENMARK, 3/97