

Thank you for purchasing an Infinity Reference 810w.ib 8" Subwoofer. You've selected a premium product that offers superior performance and advanced materials, resulting from over 25 years of loudspeaker design. This Infinity product is made with our ongoing dedication to create the best consumer audio products possible. As a result, you can expect your new Reference Subwoofer to provide you with many years of listening enjoyment.

IMPORTANT: *The Infinity Reference 810w.ib is designed specifically for use in infinite baffle applications and does not require an enclosure. Moreover, installation of automotive stereo components can require extensive experience in dealing with a variety of electrical and mechanical procedures. Although these instructions explain how to install a Reference Subwoofer in a general sense, they do not show the exact installation methods for your particular vehicle. If you do not have the experience, do not attempt the installation yourself; instead ask your Authorized Infinity Car Audio Dealer about professional installation options.*

PRECAUTIONS

- Turn off all audio systems 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.
- At the installation sites, locate and make a note of all fuel lines, hydraulic brake lines, and electrical wiring. Use extreme caution when cutting or drilling in and around these areas.
- Check clearances on both sides of a planned mounting surface before drilling any holes or installing any screws. Remember that the screws can extend up to an inch behind the surface.
- 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.
- Always wear protective eyewear when using power or conventional tools.

THIELE-SMALL PARAMETERS

The Reference 810w.ib 8" Subwoofer is designed for infinite baffle applications where the sealed enclosure volume is greater than the compliance volume (V_{AS}) listed below. In most vehicles, a reinforced trunk provides an ideal infinite baffle because it acts as the speaker enclosure.

IMPORTANT: *For optimum subwoofer performance, the trunk must be completely isolated from the listening area. Any sound "leaking" into the interior (e.g., through an unreinforced seat back) will result in degraded subwoofer response. If you need further help with this application, please call Infinity technical support at 1-800-553-3332.*

FREE-AIR RESONANCE:	F_s (Hz)	47.00
COMPLIANCE VOLUME:	V_{AS} (F ³)	1.04
	V_{AS} (LITERS)	29.40
MECHANICAL Q:	Q_{MS}	4.08
ELECTRICAL Q:	Q_{ES}	0.96
TOTAL Q:	Q_{TS}	0.78
MAXIMUM EXCURSION:	X_{MAX} (IN)	0.29
	X_{MAX} (MM)	7.50
VOICE COIL Dc RESISTANCE:	R_E (OHMS)	3.40

SPECIFICATIONS

DIAMETER:	8" (203.2 mm)
SENSITIVITY (2.83 V @ 1 m):	89 dB
POWER HANDLING:	150 W _{RMS}
FREQUENCY RESPONSE:	60 - 1,000 Hz
NOMINAL IMPEDANCE:	4 OHMS

DIMENSIONS:

