

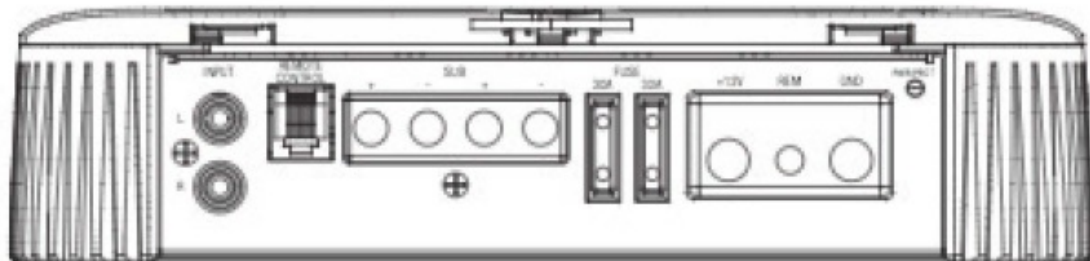
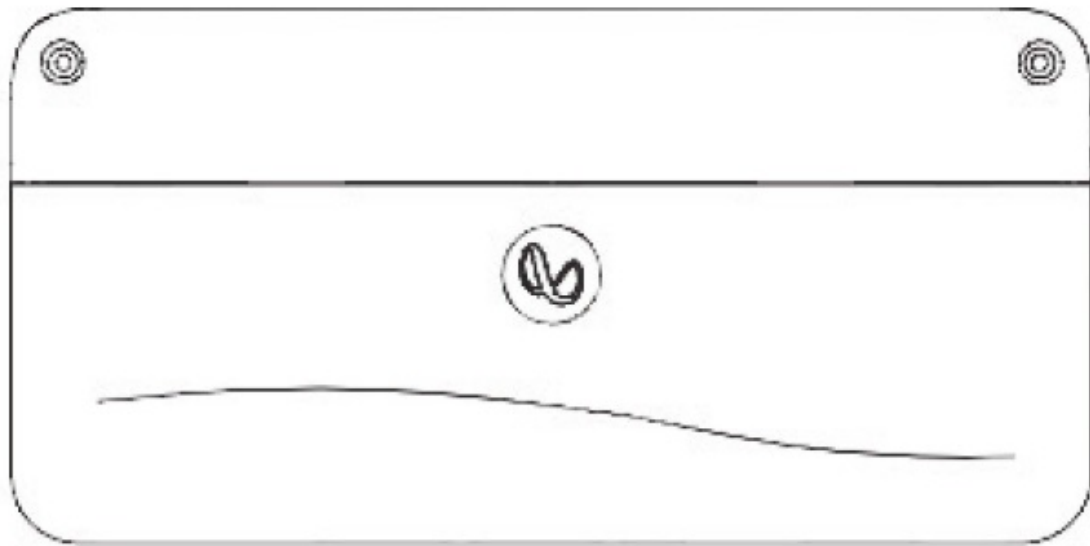


Infinity Reference 10001A Mono Subwoofer Amplifier Owner's Manual

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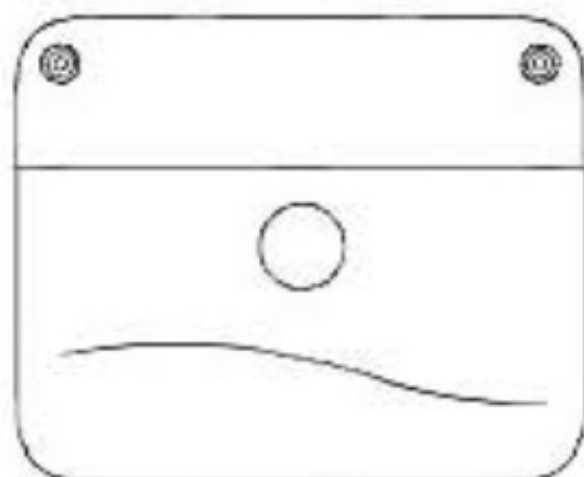
**Reference 6001A
Reference 10001 A Amplifiers
Owner's Manual**



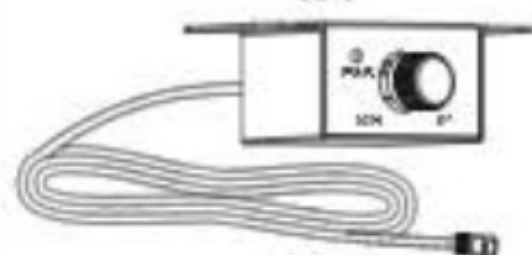
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WHAT'S IN THE BOX



1X



1X



1X



2X



2X



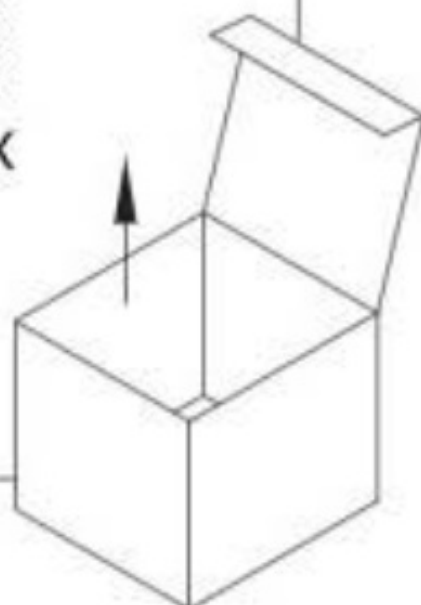
4X

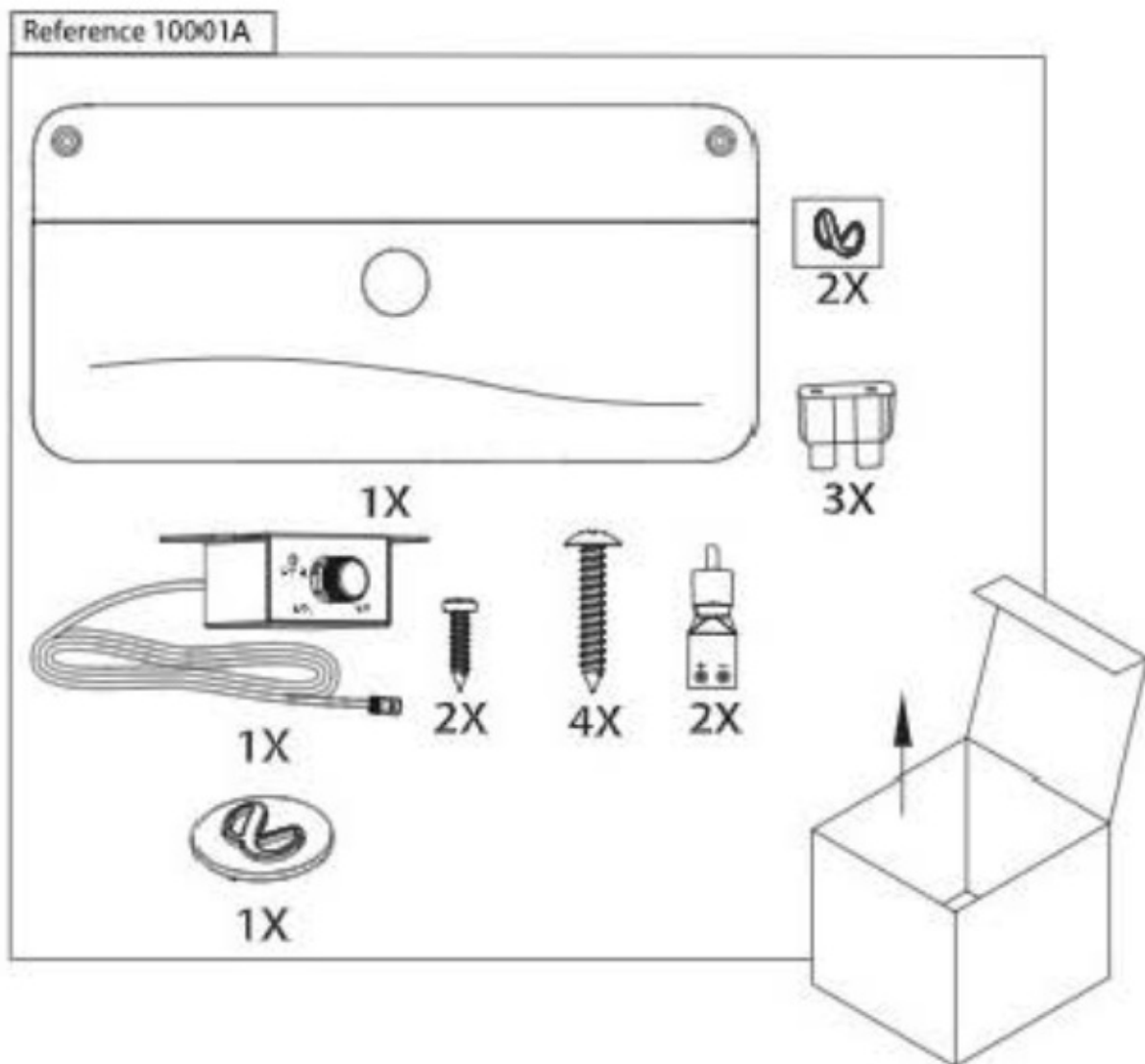


2X



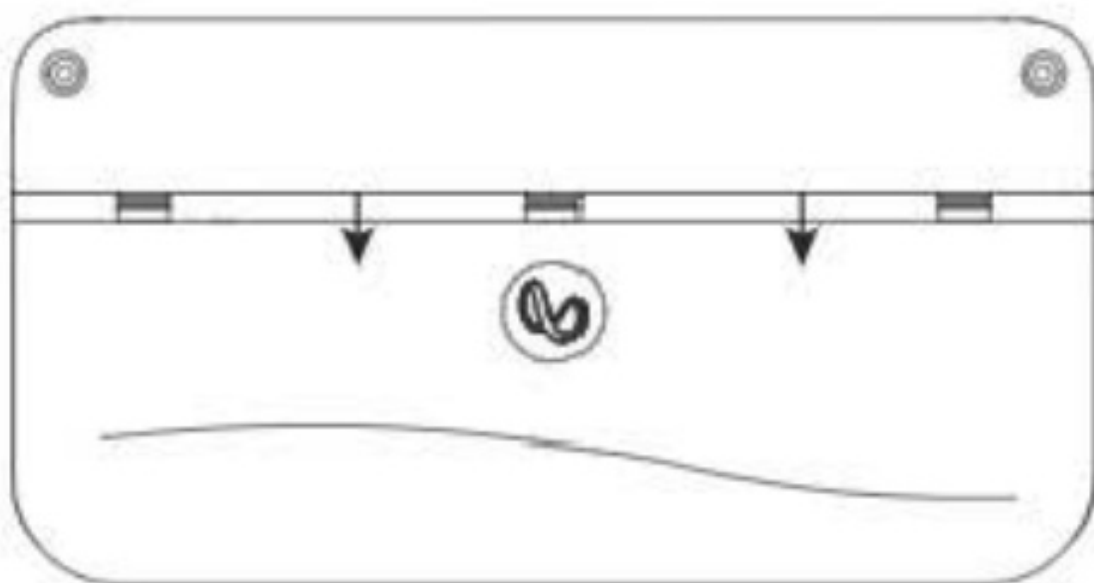
2X



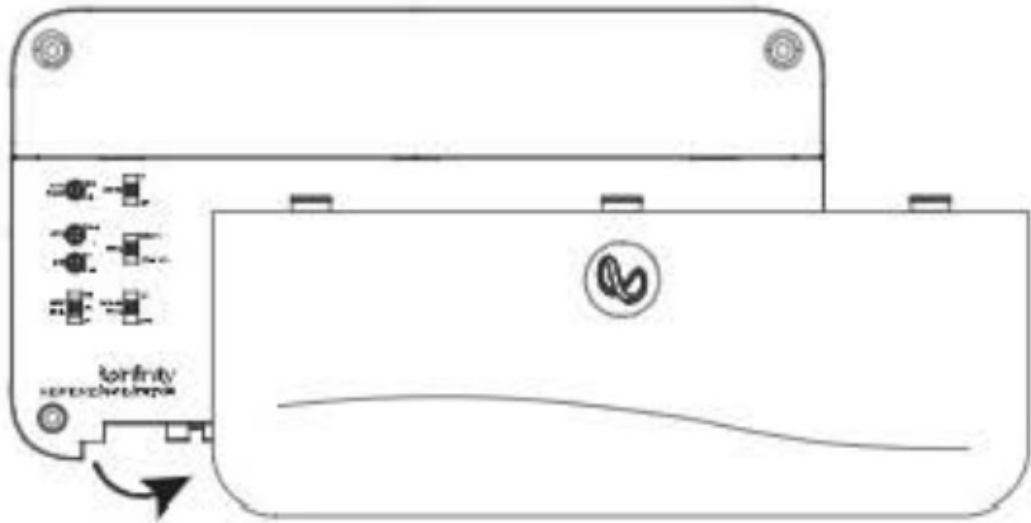


ACCESSING CONNECTORS AND CONTROL PANEL

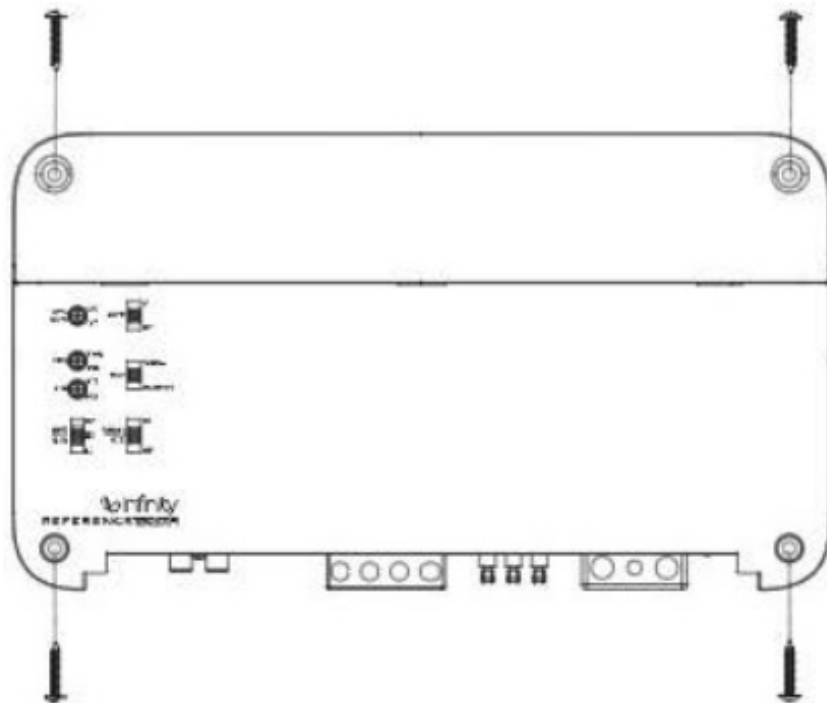
1. Slide the panel cover down



2. Remove panel cover



MOUNTING THE AMP



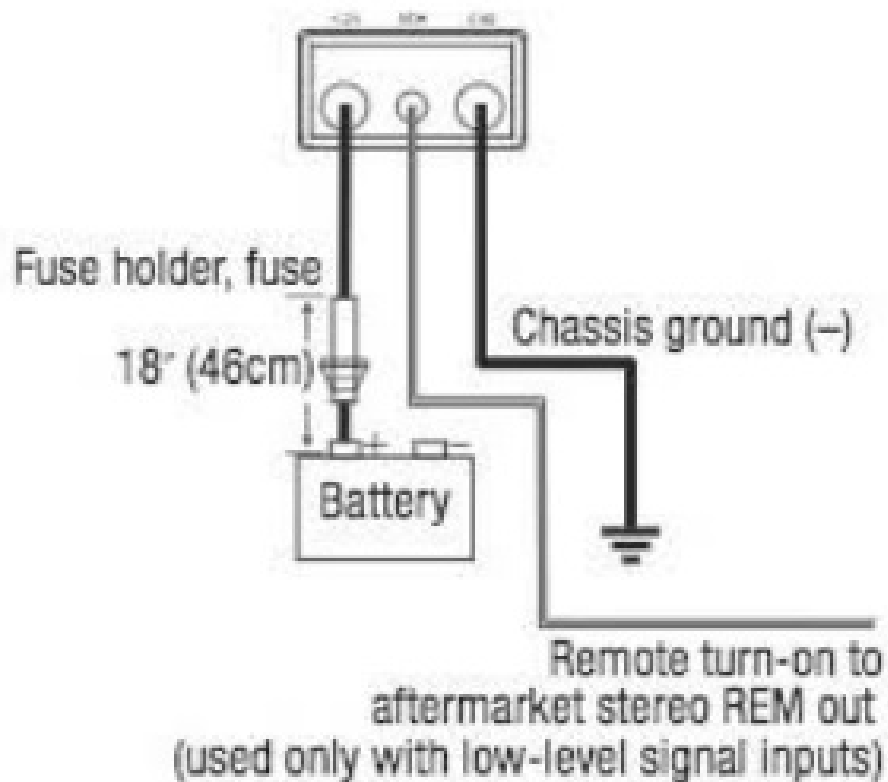
Note: It is recommended that you make all wire connections before permanently mounting the amp.

IMPORTANT: Disconnect the vehicle's negative(-) battery terminal before beginning the installation.

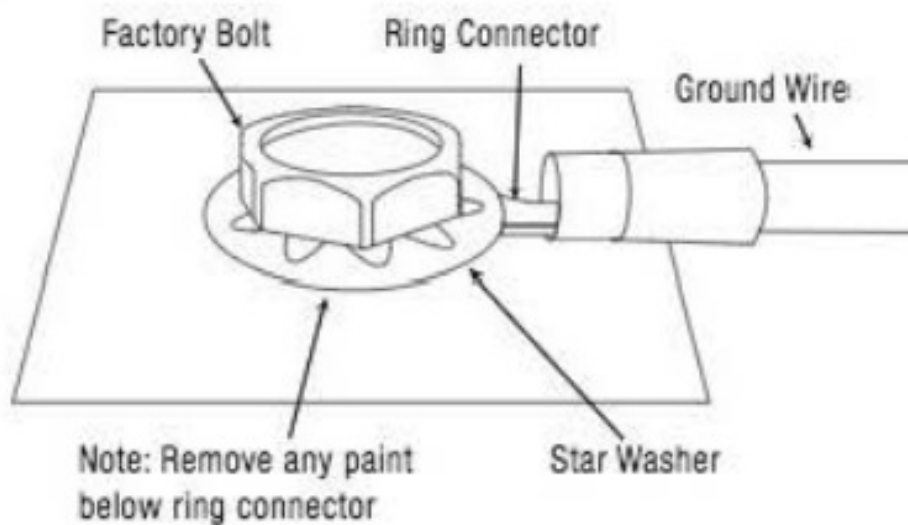
- Always wear protective eyewear when using tools.
- Choose a state mounting location, away from moisture. Check clearances on both sides of a planned mounting surface. Be sure that screws or wires will not puncture brake lines, fuel lines, or wiring harnesses and that vehicle routing will not interfere with the state vehicle operation. Use caution when drilling or cutting in the mounting area.
- Choose a location that provides enough air circulation.
- Do not: mount the amplifier with the heat sink facing downward, as this interferes with cooling.
- Mount the amplifier so that it not be damaged by the feet of backseat passengers or shifting cargo in the trunk.

WIRING FOR POWER AND GROUND

At amplifier:

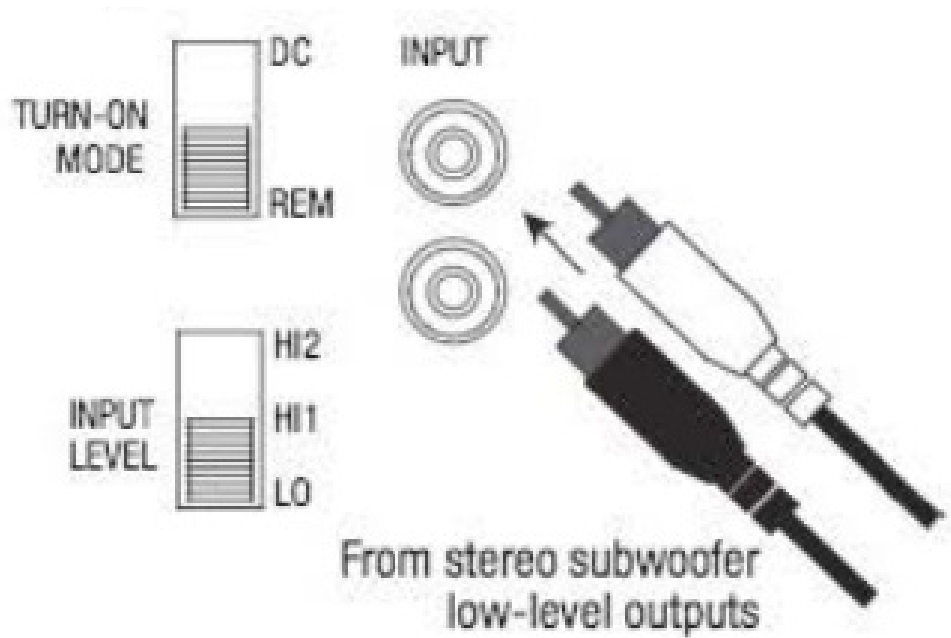


At ground location:



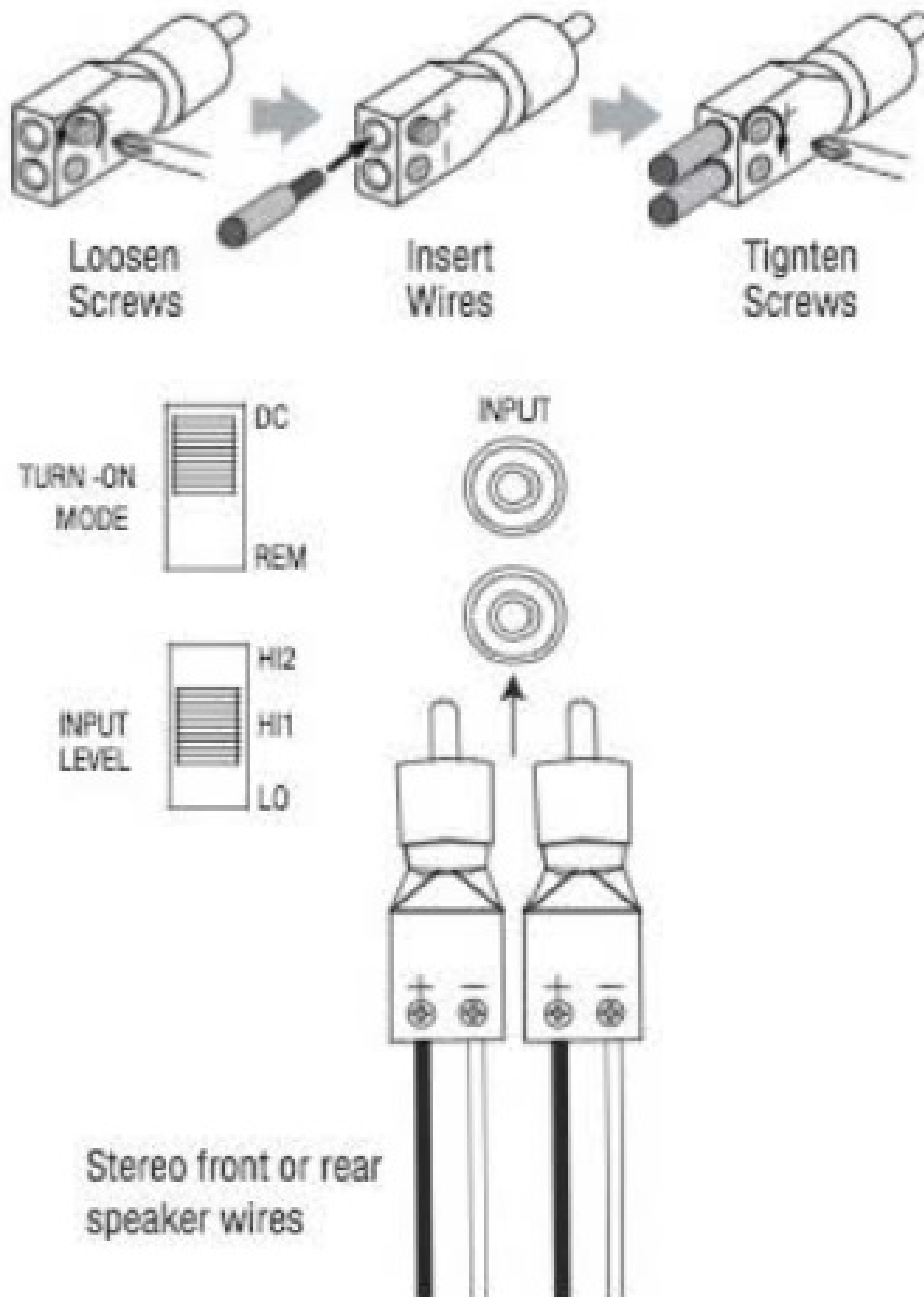
WIRING FOR INPUT SIGNAL

Low-level signals



Note: when using low-level signals and remote turn-on lead, set the “**TURN-ON MOOE**” switch to “**REM**” and the “**INPUT LEVEL**” switch to “**LO**”.

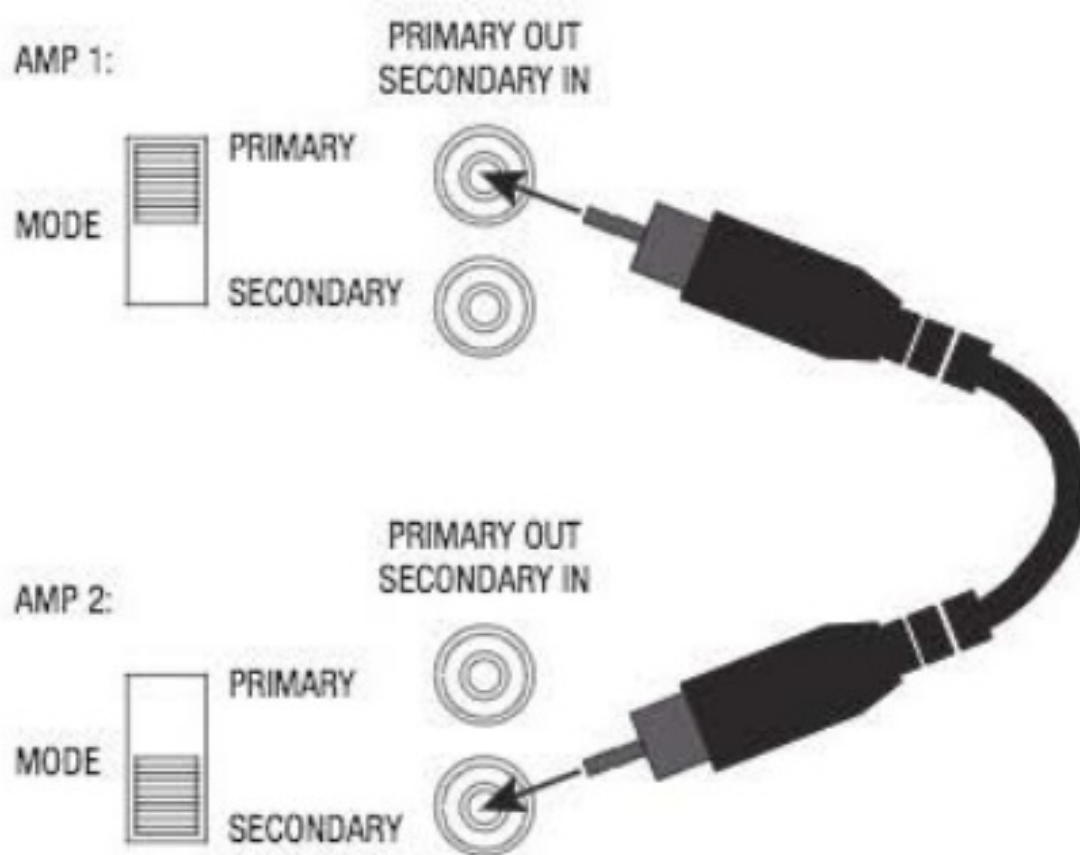
High-level signals



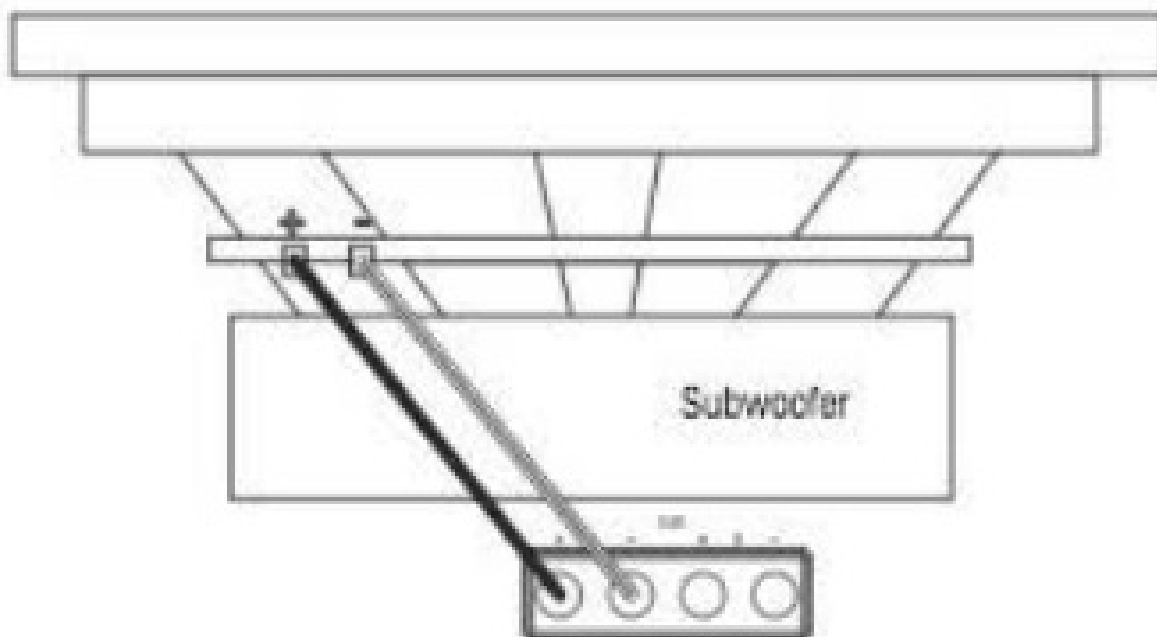
Note: when using high-level signals, set the 'TURN-ON MOOE" switch to ·oc· and the "INPUT LEVEL" S\•Atch to 'HI1". H no sound plays, change the 'INPUT LEVEL" witch to "HI2".

CONNECTING TWO REFERENCES 10001A AMPLIFIERS FOR EXTRA POWER

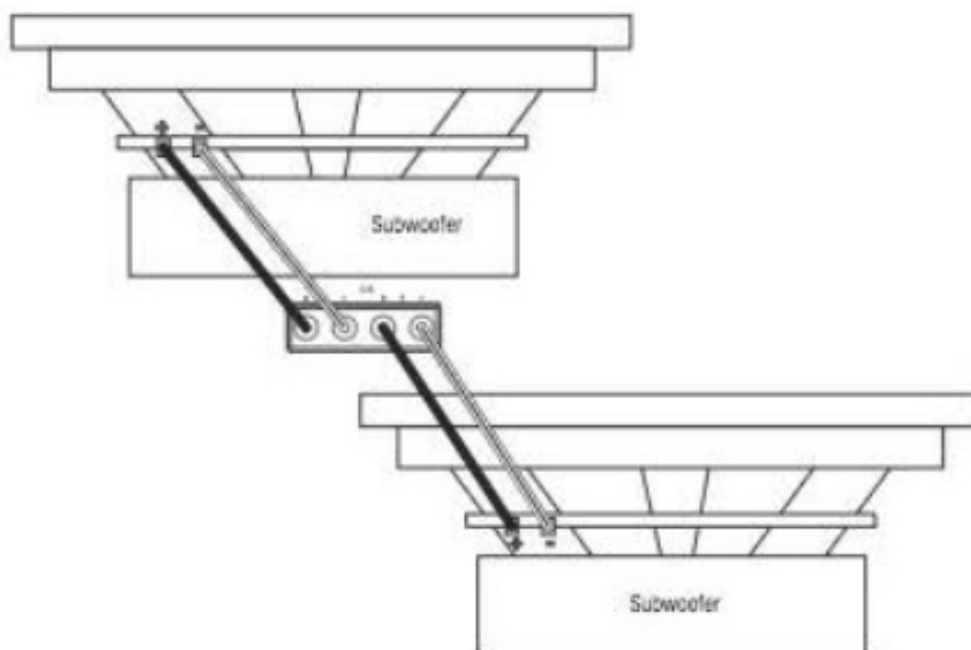
To connect two Reference 10001 amplifiers, use an RCA patch cable to connect the "PRIMARY OUT" of the primary amplifier to the "SECONDARY IN" of the second amplifier. Set the Primary/ Secondary switch to "PRIMARY" on the primary amplifier, and to "SECONDARY" on the secondary amplifier.



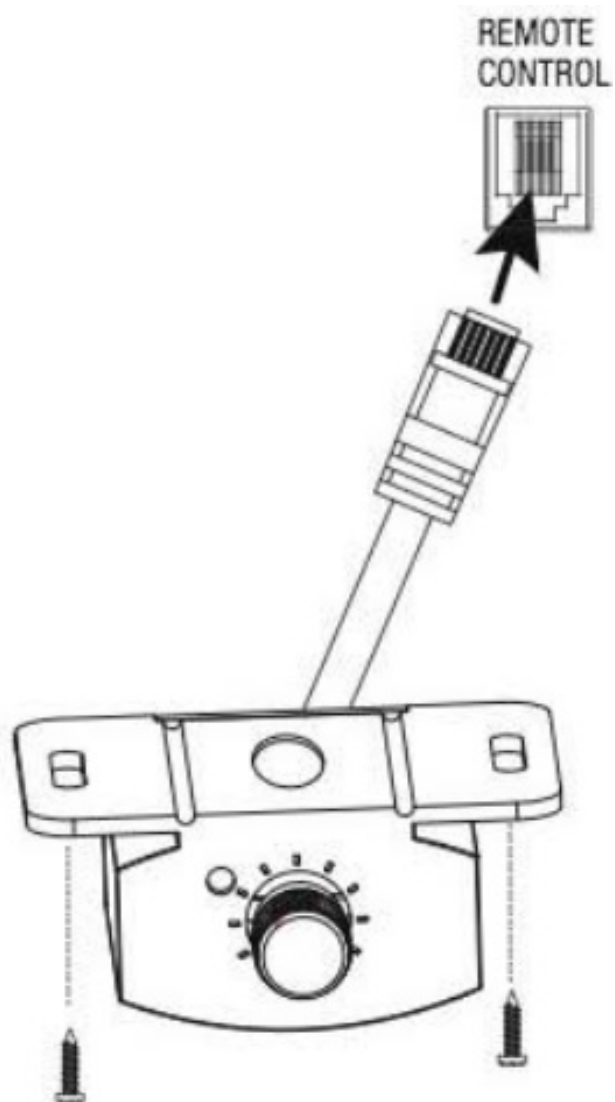
WIRING FOR AUDIO OUTPUT **One subwoofer (4ohm/2ohm)**



Two subwoofers (4ohm)



CONNECTING THE REMOTE BASS CONTROLLER




SETTING GAIN, CROSSOVERS, AND BASS BOOST

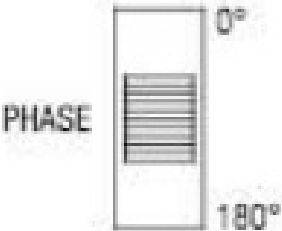
Setting the gain

	<ol style="list-style-type: none"> 1. Start with GAIN control set to a midway. 2. Choose music with substantial 3. Turn the volume control on your 4. Adjust the GAIN control clockwise until you hear distortion, turn the GAIN control back.
---	--

Selecting the crossover frequency

	<p>Choose the crossover point to suit your system. To set the crossover point, turn the FREQ control clockwise until you hear distortion, turn the FREQ control back.</p>
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Selecting the subwoofer phase

	<p>Switch the PHASE back and forth until you hear clean bass output.</p>
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Selecting the bass boost

	<p>Adjust the BASS-BOOST control clockwise until you hear distortion, turn the BASS-BOOST control back.</p>
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SPECIFICATIONS

	Reference 6001 A	Reference 10001 A
Power output (g) 4 ohms	350 watts RMS x 1	600 watts RMS x 1
Power output 0 2 oo hms	600 watts RMS x 1	1000 watts RMS x 1
Frequency response	10-320 Hz	10-320 Hz
Crossover frequencies	32-320 Hz variable. 12 dB/ octave	32 – 320Hz Variable, 12 dB' octave
Line-level input sensitivity	200 mVrms – 2.0 V RMS	203 mums – 2.0 V MIS
High-level input sensitivity	2 Vrms – 20V RMS.	2 Vrms – 20V RMS.
Signal-to-noise ratio	>80 dB	>80 dB
THD-t-N @ rated power	<1%	<1%
Fuse rating	30 Ax 2	35Ax3
Operating voltage	9-16 V	9-16 V
Dimensions (VV x H x D)	8-11/16' x 2-1/16" x 7-1/8' (220 mm x 51.3 mm x 180 mm)	12-5/8" x 2-1/16' x 7-1/8" (320 mm x 51.3 mrn x 180 mm)
Weight	2.54 kg	3.58 kg
Recommended wire gauge	8	4

TROUBLESHOOTING

No audio and the POWER INDICATOR is off.

- No voltage at **BATT+** and/or **REM** terminals, or bad or no ground =nection. Check voltages at amplifier terminals with VOM.

No audio and **PROTECT INDICATOR** flashes every 4 seconds.

- DC voltage on ampliier outpU1. The amplifier may need service; see the enclosed warranty card for service information.

No audio and PROTECT and POWER INDICATORS flash.

- Voltage less than 9V on BATT+ =nection. Check vehicle charging system.

No audio and PROTECT INDICATOR is on.

- The amplifier is overheated. Make sure amplifier cooling is not blocked at the mounting location. Or, there may be a voltage greater than 16V (or less than 8.5V) on the BATT+ connection. Check vehicle charging system.

The amplifier fuse keeps blowing.

- The wiring is connected incorrectly or there is a short circuit. Check wiring connections.

Distorted audio.

- The gain is not set properly. Check to set. Check wires for shorts or grounds. The employer or source unit may be defective.

Distorted audio and PROTECT INDICATOR flashes,

- Short circuit in speaker or wire. Remove speaker leads one at a time to locate shorted speaker or wire, and repair.

music lacks dynamics or punch

- Speakers are not connected properly, Check speaker connections for proper polarity.

Engine noise – whining or clicking-in system when the engine is on.

- The amplifier is picking up alternator noise. First, check the ground connection on the amplifier – loose or improper ground is one of the main causes of noise. Turn down gain. Move RCA audio cable away from power wires. Installing an alternator noise filter on the power line between the battery and alternator might also be necessary.

INFINITY® REFERENCE AMPLIFIERS

Features & Benefits



CATEGORY: Car-Audio-Amplifier

POSITIONING: High-performance car amplifiers

KEY BENEFITS:

- Compact Size
- High and Low-Level Input
- Variable Crossover
- Low Noise and Distortion
- Input Level Control
- Full Onboard Protection
- Vernon Mode

BASIC FEATURES:

Compact Size

- Infinity Reference amplifiers have been engineered with a compact footprint to fit in more vehicles even if available space is limited.

High and Low-Level Input

- Speaker-level and low-level inputs allow the Infinity Reference Amplifier Series to integrate with both aftermarket and factory car stereo systems.

Variable Crossover

- Unlike any amplifier is available at similar prices, the Infinity Reference Amplifier Series features variable electronic crossover circuits allowing for precise system tuning and performance.

Low Noise and Distortion

- The Infinity Reference amplifier Series has been engineered using Differential inputs to ensure low noise and distortion even at high output levels. It also makes it far less susceptible to line induced radiated engine noise.

Input Level Control


- When low-level inputs are used, this control adjusts the input sensitivity between 200mVrms and 2.0Vrms. When HGP-level inputs are used, this control adjusts the input sensitivity between 2Vrms and 20Vrms.



HARMAN International Industries, Incorporated 8500 Balboa Boulevard, Northridge, CA 91329 USA
- www.infinityspeakers.com

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Infinity is a trademark of HARMAN International Industries, Incorporated.
registered in the United States and/or other countries. Features, specifications
and appearance are subject to change without notice.

Documents / Resources

	<p>Infinity Reference 10001A Mono Subwoofer Amplifier [pdf] Owner's Manual Reference 10001A, Mono Subwoofer Amplifier, Reference 10001A Mono Subwoofer Amplifier</p>
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