

CA1500M

Installation Warnings and Tips:

- Disconnect the negative (-) lead from your vehicle's battery.
- At the installation sites, locate and make a note of all fuel lines, hydraulic brake lines, vacuum lines and electrical wiring. Use extreme caution when cutting or drilling in and around these areas.
- Choose a safe mounting location away from moisture.
- Make sure there is sufficient air circulation at the mounting location for the amplifier to cool itself.
- Mount the amplifier, using the supplied hardware.

Specifications

- 360W RMS x 1 channel @ 4 ohms and $\leq 1\%$ THD + N*
 - 600W RMS x 1 channel @ 2 ohms and $\leq 1\%$ THD + N*
 - THD+N: 0.05% (rated power @ 4 ohms)
 - Signal-to-noise ratio: 80dBA (reference 1W into 4 ohms)*
 - Signal-to-noise ratio: 105dBA (reference rated power into 4 ohms)
 - Frequency response: 10Hz – 300Hz (-3dB)
- * CEA-2006A-compliant

1 Speaker Output Connectors

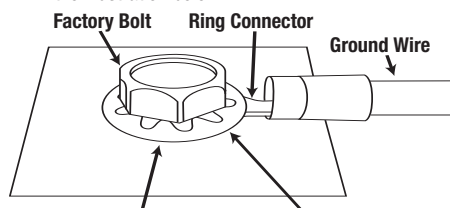
- Connect the speakers to these terminals, observing proper polarity.
- Minimum speaker impedance is 2 ohms.

2 Fuse

- Replace only with the same type and rating.

3 Power Input Connectors

- +12V: Connect to the positive terminal of the vehicle's battery. 4 AWG wire is recommended. Install an appropriate fuse holder and fuse (80A minimum) within 18 inches of the battery. Make sure the wire is not damaged or pinched during installation. Install protective grommets when routing wires through the firewall or other sheet metal.
- GND: Connect to the vehicle's chassis. Refer to the illustration below.



Note: Remove any paint below ring connector.

- REM: Connect to the "Remote Out" lead from the source unit or to a source of switched 12V+ (ACC).

4 Subwoofer Remote Level Control Connector

- Connect the Remote Level Control (RLC) here, using the supplied RJ-11 cable.

5 Phase Control

- Phase of the output signal can be adjusted from 0° to 180° compared to the input signal. Choose the setting that best suits your preference.

6 Subsonic EQ: Variable Subsonic High-Pass Filter With Variable Boost (Q)

- For woofers in tuned (vented) enclosures, set the frequency control to a value 10Hz below the enclosure's resonance (tuned) frequency.
- For woofers in sealed boxes, set the control to any value you prefer between 30Hz and 50Hz.
- Set the Boost control according to your preference, being careful not to apply enough boost to damage your woofer(s).

A Subsonic EQ Boost control provides up to 12dB of boost, slightly above the high-pass filter's frequency. See above for appropriate settings.

B Subsonic EQ High-Pass Filter Frequency control, variable between 10Hz and 80Hz. See above for appropriate settings.

7 Crossover-Frequency Control

- 12dB/octave crossover, variable from 32Hz to 320Hz. See 16 for the adjustment procedure.

8 Gain (Input Level) Control

- Used to match the input level of the amplifier to the output level of the source unit. See 15 for the adjustment procedure.

9 Input Management System (IMS) Input Connector (RJ45 Ethernet Cable)

- When used with the IMS, this connector provides a single connection for front, rear, subwoofer and remote turn-on.

10 Input Connectors (RCA)

- Connect to front RCA outputs from the source unit or signal processor.

11 Aux Output Connectors (RCA)

- Nonfiltered pass-through output. Connect to the input of an additional subwoofer amplifier.

12 Protect LED

- Illuminated under any of the following fault conditions: battery over/under voltage, short circuit in speaker wires, amplifier is too hot, amplifier's output circuit has failed (DC voltage present in the amplifier's output).

13 Input Management System (IMS) Output Connector (RJ45 Ethernet Cable)

- When the IMS input connector is connected to the IMS, this output will pass the IMS signal (see above) to an additional amplifier that includes an IMS input connector.

14 Power On LED

- Illuminated when the amplifier is on.

15 Setting Gain (Input Level)

A Turn Gain control counterclockwise to MIN (minimum).

B With a dynamic music track playing, turn the head unit's volume control to the 3/4 position.

C Turn Gain control clockwise until the bass output is proportionate to the output of the high-frequency speakers, according to your preference.

D Gain is now adjusted correctly.

16 Setting the Crossover

A Crossover setting for subwoofers.

Note: Acceptable frequency ranges indicated in gray.

17 Remote Level Control

The Remote Level Control, if installed, will allow you to adjust the level of bass while seated in the listening position.

Declaration of Conformity



We, Harman Consumer Group, Inc.
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France

declare in own responsibility that the product described in this owner's
manual is in compliance with technical standards:
EN 55013:2001+A1:2003
EN 55020:2002+A1:2003

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