

## Before you start



### CAUTION



Many new and factory radios require a reset code when disconnected from battery power. This is an anti-theft feature. Before unplugging power, you must determine if your radio/source unit requires a reset code.

### Power cable size and fusing

It is critical to use the proper power and ground cable. Select the size listed here for your amplifier model. Always use high quality copper cable.

Be sure to use the proper fuse size for each model. Some models require an external fuse.

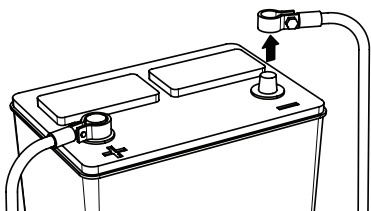
Model	Fuse Size	Cable Size
TPS-A500.2	1-30A atc	10ga
TPS-A350.4	1-30A atc	
TPS-A500.1	1-30A atc	
TPS-A600.5	1-40A atc	

For power cable runs over 20 feet, 8ga is recommended.

## Installation

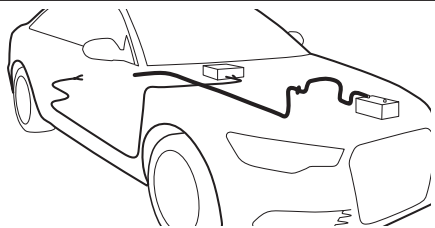
### 1 Disconnect Negative Battery Terminal

Place terminal in a secure position so that it won't accidentally contact the negative battery post



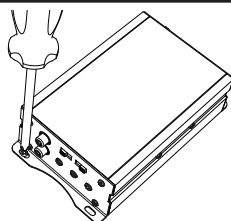
### 2 Run Cables

Properly route power, speaker and RCA cables through the vehicle.



### 3 Mount Amplifier

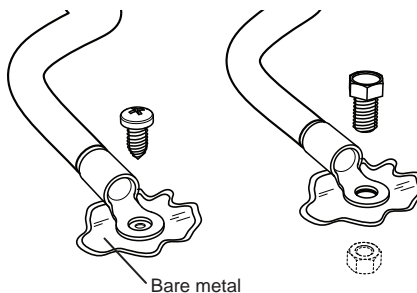
Choose a mounting location that will provide adequate air ventilation. Mount the amplifier to a secure surface. Do not mount the amplifier upside down.



### 4 Chassis Ground



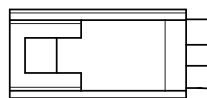
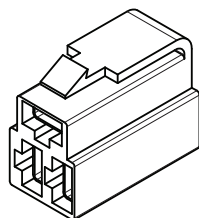
The chassis ground connection is critical to the performance of the amplifier. Choose a location that is close to the amplifier. Completely scrape away the paint and use a nut and bolt if possible. **DO NOT USE AN EXISTING FACTORY BOLT!**



Bare metal

### 5 Power Connection

Attach the chassis ground, +12V and remote wire. It is important to make sure these connections are very secure.



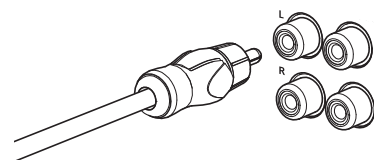
Ground - Black

Remote - Blue

+12V - Red

### 6 Signal Input Connection

Connect the RCA cables to the INPUT connectors. The OUTPUT can be used to provide input for a second amplifier.



### 7 Gain Control

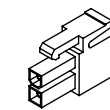


Turn the GAIN control completely counter-clockwise to minimum.



### 8 Speaker Connections

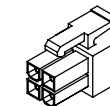
Connect the speaker cables to the speaker output connectors. Follow the diagram below that best fits your speaker configuration.



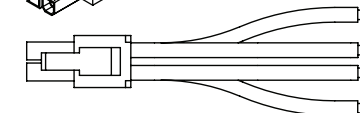
TPS-A500.1 / TPS-A600.5



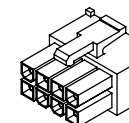
Speaker Positive - Gray  
Speaker Negative - Gray / Black



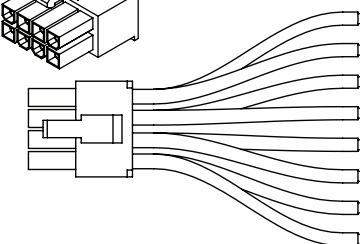
TPS-A500.2



Left Positive - White  
Left Negative - White / Black  
Right Positive - Gray  
Right Negative - Gray / Black



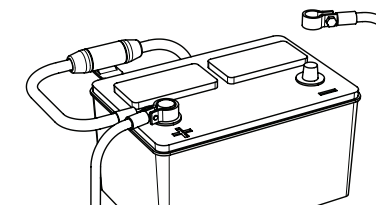
TPS-A350.4 / TPS-A600.5



Left Front Positive - White  
Left Front Negative - White / Black  
Right Front Positive - Gray  
Right Front Negative - Gray / Black  
Left Rear Positive - Green  
Left Rear Negative - Green / Black  
Right Rear Positive - Purple  
Right Rear Negative - Purple / Black

### 9 Positive Battery Connection

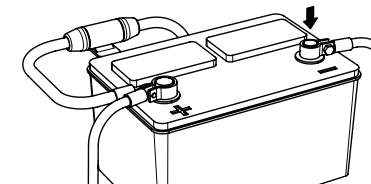
Connect the power cable to the positive battery terminal. The power cable must be fused within 18 inches of the battery terminal.



**Be prepared to disarm your vehicle's alarm and to enter your radio / source unit code.**

### 10 Re-connect Negative Battery Terminal

Re-connect the negative battery terminal making sure it is securely tightened.



# Setup

**A**

## Settings

The illustrations below describe the various controls. Refer to the illustration that matches your amplifier.

### 1 GAIN Adjustment

The gain control purpose is to match the output of your source signal to the amplifier. Refer to the section B below for detailed instructions.

### 2 X-OVER Switch

This switch will set the amplifier to have a full frequency output or to filter out high or low frequencies. The NA1-400.2 offers either a bandpass or a high pass filter.

### 3 Frequencies Adjustment

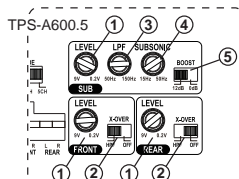
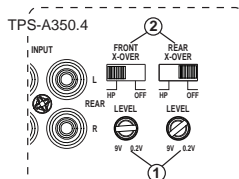
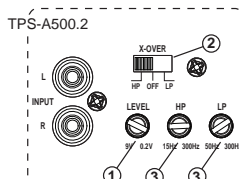
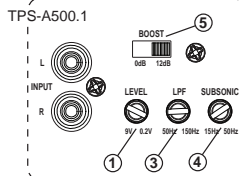
The Low Pass Filter will cut off the frequencies above the setting. The High Pass Filter will cut off the frequencies below the setting.

### 4 SUBSONIC Adjustment

The Subsonic Filter will cut off the frequencies below the setting. If using with a subwoofer the setting should be kept between 15-25Hz.

### 5 BOOST Switch

The Boost Switch will increase the signal 12dB at 45Hz. Be aware this setting can cause distortion if the gain is not set properly.



**B**

## Level Setting



This is a critical step to insure your amplifier is properly adjusted to match the signal output level of your source unit.

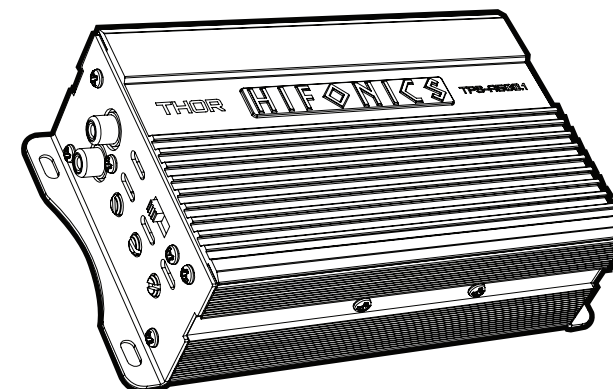


**THIS IS NOT A VOLUME CONTROL!**

1. If possible, with the source unit off, confirm that the primary volume control is turned down (counter clockwise).
2. Turn on the source unit (CD, or MP3 player). Re-confirm that the volume is turned down. Make sure the source unit controls; balance, fader, bass and treble are all set to center or "0" adjustment. Make sure that the green LED on the end of the amplifier is illuminated.
3. Play a clean musical selection of which you are very familiar. CD is preferred. Do not use radio signals for level setting. Hit play and start turning the volume of the source unit up.
4. Stop increasing the source unit volume when you reach 3/4 (about 75%) or until you hear speakers begin to slightly start producing distortion.
5. Increase the amplifier gain (clockwise) until distortion is heard, then back the level down (counter clockwise) until the distortion is eliminated. Small adjustments may need to be made to balance the levels of multiple amplifiers.

# HIFONICS

## Quick Start Installation Guide



**TPS-A500.2**  
**TPS-A350.4**  
**TPS-A500.1**  
**TPS-A600.5**

View [other Car Amplifiers](#) made by [Hifonics Car Audio](#) on our website.