

PHOENIX GOLD



INSTALLATION INSTRUCTIONS

iAMP-GMI

CHEVROLET CAMARO (HARDTOP)

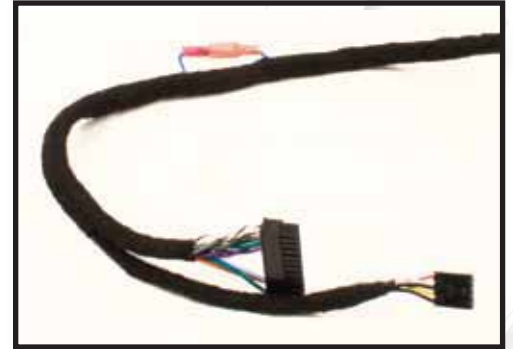


Phoenix Gold iSeries



Installation Instruction Addendum

IMPORTANT: There are two different audio systems, Premium (Boston Acoustics) & Standard. Amplifier must be configured for the factory audio system **before** installation.



There is an exposed blue and white wire harness going to the i-Amp. The connection of this wire allows the i-Amp to be properly configured for the stock vehicle audio system.

PREMIUM



The blue and white wire needs to be connected for vehicles equipped with premium audio system.

STANDARD



The blue and white wire must be disconnected for the standard factory stereo system.



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1. Included in the kit (iAMP-GM1)

- (1) i800.6 (A)
- (1) Subwoofer enclosure (B)
- (1) Digital controller (C)
- (1) 2 - piece OEM integration harness (D)
- (1) Power harness (E)
- (1) mounting hardware
 - (1) 3/8 x 1 1/2 coarse thread bolt (F)
 - (1) 3/8 x 1 coarse thread bolt (G)
 - (2) 3/8 nuts (H)
 - (4) 3/8 x 1 1/4 fender washer (I)
 - (3) 3/8 lock washer (J)
 - (1) "L" mounting bracket (K)
 - (4) Mounting screws (L)
 - (1) Allen Wrench (M)
 - (20) Wire Ties (N)



▲ (A) i800.6 Amplifier



● (C) Digital Controller



▲ (B) Subwoofer Enclosure



2. Tools Required

Plastic Pry Tool • 7mm Socket • 10mm Socket • 13mm Socket • Ratchet • T20 Torx Driver • 15mm Wrench



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3. Accessing the Battery and Factory Amplifier (If equipped)

Step 1 - Remove the trunk floor liner (Fig. A) and unscrew the spare tire cover fastener (Fig. B). Remove the spare tire cover. Remove either the spare tire (if equipped), or the molded foam tire inflation kit (Fig C). This will give you access to the battery location.



Fig. A



Fig. B



Fig. C

**** If the vehicle is equipped with a factory amplifier continue to step 2. If not equipped with a factory amplifier please skip to step 6**

Step 2 - Remove the (6) cargo net holders in the rear of the trunk by unscrewing them (Fig D). Remove the rear plastic panel by pulling it up and out (towards the front of the vehicle) (Fig E).



Fig. D



Fig. E



Fig. F

Step 3 - There is a plastic push clip located on the upper section of the left (drivers side) carpet panel (Fig G) and a threaded plastic washer on the lower section that needs to be removed (Fig H). Pull back the carpet on the left (drivers side) of the trunk to gain access to the stock amplifier which is located on the back wall of the trunk (near the bumper) (Fig I & J).



Fig. G



Fig. H



Fig. I



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Step 4 - Unplug the (3) factory amplifier plugs from the factory amplifier (Fig K). Remove the factory harness from the fastening points (Fig L). This harness will need to be rerouted back toward the rear of the back seat to allow connection to the iSeries factory integration harness (Fig M). In the iSeries factory integration harness you will locate a 2 foot long harness that has a 12-pin white Molex connector on one end and a 16-pin green adaptor plug on the other end (Fig N). Plug in the green 16 pin iSeries adaptor plug to the factory harness that was routed towards the front of the vehicle. Please note that only one of the factory plugs will be used for this application.



Fig. J



Fig. K

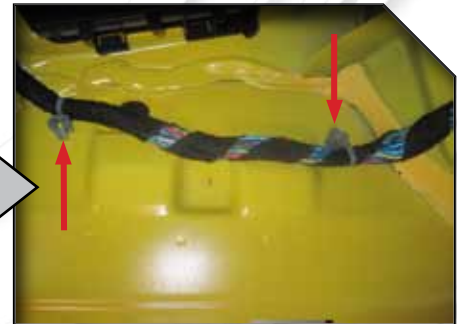


Fig. L



Fig. M



Fig. N

Step 5 - Reinstall the carpet leaving the harness that you connected in step 4 exposed so that you can easily plug it into the iSeries amplifier (Fig O). This harness will plug into the iSeries amplifier on the front side (located closest to the rear seat). Re-install the rear plastic panel using the (6) cargo net holders you removed in Step 2 (Fig P).



Fig. O



Fig. P



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Step 6 - Connect the supplied iSeries power harness to the 12 volt and ground connection points on the iSeries amplifier (Fig Q). Route the supplied iSeries power harness toward the factory battery location. On the right rear (passenger side) of the spare tire well you will see the factory grounding point. Remove the factory bolt and connect the supplied iSeries ground wire along with the factory ground (Fig R). Make sure to tighten securely. Unclip the positive battery cover to expose the positive battery terminal. On the left (driver) side of the battery terminal remove the 10mm nut and attach the positive lead from the supplied iSeries harness (Fig S). Re-attach the 10mm bolt and tighten securely. Re-attach the positive battery cover.



Fig. Q



Fig. R



Fig. S

Step 7 - Route the supplied iSeries power harness along the factory power and ground leads for the battery and secure to the harness with the supplied wire ties (Fig T). Put the spare tire (if equipped), or the molded foam inflation system back into their original location (Fig U). Replace the factory spare tire well cover and secure with the factory fastener. Re-install the carpet on the floor of the trunk (Fig V & W).



Fig. T



Fig. U



Fig. V



Fig. W



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4. Removing the Radio and Making Connections

Step 1 - Make sure to pull up the hand-brake and shift vehicle into low gear (if applicable) to clear the shift bezel and gauge cluster (if equipped) for removal. Using a plastic pry tool start at the back of the center console trim panel (around the shifter) (Fig A) and work toward the front gently prying upwards to loosen the panel (Fig B). Gently pull up and away from the dash (Fig C) and unplug harness leading to the factory gauges (if equipped).



Fig. A



Fig. B



Fig. C

Step 2 - Remove the (2) 7mm bolts under the radio face and A/C control panel (Fig D). Using a plastic pry tool work your way around the face of the radio to loosen (Fig E). Once loose, firmly hold the radio/A/C control panel and pull away from the dash (Fig F). Unplug the connector from this panel and set it aside.



Fig. D



Fig. E



Fig. F

Step 3 - Remove the (4) 7mm bolts holding the radio into the dash (Fig G). Remove radio from dash and unplug the main 44-pin harness (Fig H). Connect the iSeries T-harness into factory harness and radio (Fig I).



Fig. G



Fig. H



Fig. I



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5. Digital Controller Instructions

Step 1 - Using the plastic pry tool remove the trim strip above the radio (Fig A & B).

Step 2 - With the trim strip removed, route the wire from the digital controller to the iSeries harness (being careful to not have the wire pinched by any factory clips that reattach the trim strip) located at the factory radio location and connect to the 5 pin plug near the 44 pin T-harness (Fig C).



Fig. A



Fig. B

Step 3 - Reinstall the trim strip leaving just enough slack on the digital controller to mount on the outside of the trim strip.

Step 4 - Using the supplied two sided tape, secure the digital controller to the factory trim strip (Fig D).

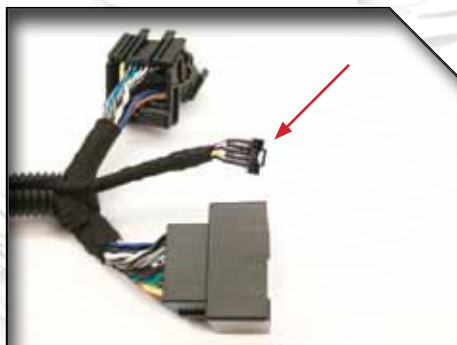


Fig. C



Fig. D



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6. Routing the iSeries Signal Harness

Step 1 - Route the iSeries T-harness behind the radio and under the steering wheel (Fig A) along the factory harness making sure the wires will not get pinched and do not interfere with the steering wheel operation. Secure to the factory harness and brackets with the supplied wire ties. Removal of the A/C vent is recommended. There are 2 bolts to be removed (1) 7mm and (1) T-20 (Fig B).



Fig. A



Fig. B

Step 2 - Remove the driver's door sill, kick panel, and left side dash panel (Fig C & D). Route the iSeries harness to the rear of the car from the factory radio securing it to the factory harness along the way with the supplied wire ties (Fig E).



Fig. C



Fig. D



Fig. E

Step 3 - Remove the lower section of the rear seat by lifting up on it to release the factory clips (Fig F & G). Continue to route the wires from the front of the vehicle to the trunk. PLEASE NOTE: Be sure to keep the iSeries wire harness away from the factory power lead for the battery (Fig H). Once the iSeries harness has been routed to the trunk connect it to the iSeries amplifier. *****If vehicle is not equipped with a factory amplifier the short 2 foot adaptor harness will plug into the harness coming from the factory radio*****



Fig. F



Fig. G



Fig. H



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7. Mounting the Subwoofer Enclosure And Amplifier

Step 1 – Install the supplied “L” shaped bracket to secure the iSeries enclosure. Locate the factory hole under the rear deck on the drivers side above the carpet (Fig A). Insert the supplied 3/8 x 1 1/2 coarse thread bolt and 3/8 x 1 1/4 fender washer insert from the back side of the hole. Place a 1 1/4 fender washer, lock washer, and nut. Tighten securely (Fig B). Place the “L” bracket onto the bolt using the oval opening (not the round opening). Place the washer, lock washer then nut and tighten loosely (Fig C).



Fig. A

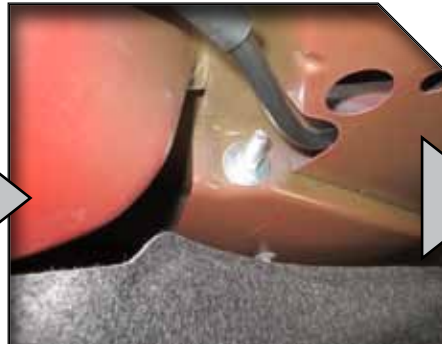


Fig. B



Fig. C

Step 2 -Place iSeries subwoofer enclosure into the trunk with the narrow end pointing to the left (drivers side) of the trunk (Fig D). Slide at an angle into the location snug against the left (driver side) carpet taking care to avoid the rear left factory speaker. You have to slide it forward at an angle then slide the rear of the iSeries enclosure into position (Fig E & F).



Fig. D



Fig. E



Fig. F

Step 3 – Insert the supplied 3/8 x 1 coarse thread bolt, 3/8 x 1 1/4 fender washer and 3/8 lock washer into the mounting bolt location on the top of the iSeries subwoofer enclosure and tighten securely (Fig G). Now tighten the nut that attaches to the bolt installed earlier to hold the “L” bracket in place (Fig H).



Fig. G



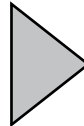
Fig. H



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Step 4 - Route all harnesses and power wires in the channel of the iSeries subwoofer enclosure and mount the iSeries amplifier to the enclosure using the (4) supplied screws.



CONGRATULATIONS!

**Your sound system upgrade is complete and you are ready to enjoy!
Please refer to your iSeries owners manual for proper operation.**



Troubleshooting

Symptom	Solution
No Power	Check in-line fuse Check both power and ground connections Check that all harnesses are properly plugged it
No Sound	Make sure that the vehicle does not have a factory amplifier. If the vehicle has a factory amplifier refer to step 4 of the "Accessing the Battery & Factory Amplifier" section.
No Sound from Subwoofer	Remove subwoofer from enclosure and make sure all connections are good.



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