

GENERAL DESCRIPTION

The CTX component speakers offer a level of performance that will please even the most critical listener.

Woofers- 6.5" 100 watt RMS with poly-mica cone and butyl rubber surround.

Tweeters- 1.0" (25mm) Silk Dome tweeter, neodymium magnet, swivel eyeball mount

Crossovers- Audiophile components utilizing air-core inductors and poly film capacitors.

INSTALLATION AND MOUNTING INSTRUCTIONS

MOUNTING LOCATION

Choosing the proper mounting location can have a very dramatic effect on the overall sound quality achieved. There are several factors that will affect your decision on where and how to mount the CTX separates, such as installation difficulty or cost, cosmetic integration, and/or effect on sound quality. In most installations the woofer will be installed in factory locations, in installations where you have freedom to choose the mounting location a lower mounting locations such as kick panel or lower front corner of door are preferred. The preferred mounting location for the tweeter in most instances will be within a few inches of the mid-bass driver. In certain instances where the tweeter will be extremely off axis, the sound quality can be improved by mounting the tweeter to aim towards the listeners ears. Always mount the tweeter as close to the midrange driver as possible.

Warning: Before settling on any given mounting location check for proper rear clearance and that there are no mechanical structures that prevent proper mounting.

SOUND STAGING

To achieve the best sound staging and imaging it is necessary to keep the path length difference between the left and right speakers as small as possible, this usually means mounting the drivers as far from the listening position in the front of the vehicle as possible. The most logical is the kick panel as this mounting location yields the least amount of path length difference. The only drawback is it requires custom installation which results in a more expensive or time consuming installation. The second most logical location is low and far forward in the door, this can be done behind factory grills or in a custom fabricated speaker pod. The simplest and most cost effective mounting location is to utilize speaker mounting locations provided by the vehicle manufacturer. The factory locations may not provide a proper sound stage, but can yield very satisfying results in tonal quality.

ENCLOSURE CONSIDERATIONS

The CTX mid-bass drivers are high performance drivers that provide dynamic mid-bass output and detailed midrange response. They are designed and engineered to perform excellently when used infinite baffle or free-air in a door or other location.

INSTALLATION INSTRUCTIONS

If you are not an experienced installer it is advised that you have your authorized Image Dynamics dealer complete the installation for you. Follow these simple guidelines for best results.

Carefully plan out your installation before beginning. Check for proper clearance and depth before cutting or altering your vehicle in any way.

It is recommended to run new wires into the door location rather than using the factory systems wiring.

Mount speakers only to a flat and rigid baffle. A baffle that vibrates or resonates will severely degrade sound quality.

Ensure that the speakers are protected from water damage. Most parts of the CTX speakers are water resistant but prolonged exposure to moisture can damage the spider and motor structure.

TWEETER INSTALLATION INSTRUCTIONS

Step 1- Carefully select the mounting location to ensure that there is enough depth to accommodate the tweeter housing and that it won't interfere with any mechanisms behind the panel.

Step 2- Cut or drill a 1.875" (48 mm) hole in the panel where the tweeter will mount..

Step 3- Place the assembled tweeter into the mounting hole.

Step 4- Screw the tweeter retaining bracket to the rear of the tweeter housing and tighten to firmly hold tweeter in place.

Step 5- Connect tweeter wires to supplied passive crossover .

WOOFER INSTALLATION INSTRUCTIONS

Woofer must be mounted to flat surface and in a proper sized hole with no air leaks.

If using factory locations adapter rings or other installation accessories may be necessary to complete the installation, these should be available through your retailer. It is suggested to run new 14 to 16 gauge speaker wires rather than re-use the factory wiring if re-using the factory wiring you will need to cut the factory connector off and use crimp connectors to connect the supplied wire to the factory wires. Whenever possible run the wire through the factory wiring boot.

For custom locations use the supplied template to mark the mounting hole and screw locations. Before cutting use a utility cut any fabric, vinyl or leather from the hole locations. Drill 4 1/8" holes for the mounting screws and 1 hole in the center of the mounting hole. Drill a pilot hole and cut the mounting hole using a saber saw, nibbler, or hole saw. Clean up any rough edges.

CROSSOVER INSTALLATION

The connections to the crossover are simple. It is suggested to use a high quality 14 gauge or larger speaker wire for the connection to the amplifier and the mid-bass driver. For the tweeter it is recommended that a high quality 14 to 16 gauge speaker wire be used. The actual connections to the crossover can be made two ways, 1- strip the wire back approx .25" and insert into terminal block and tighten, 2- Crimp or solder a terminal to the end of the wire and insert into terminal block and tighten.

DO NOT MOUNT THE CROSSOVER IN THE DOOR, THEY WILL BE DAMAGED BY MOISTURE.

CROSSOVER CONTROLS

The CTX crossovers may appear very simple, that is because the time and engineering effort went into making drivers that have excellent frequency response characteristics that did not require a complex crossover. This results in more efficiency and less wasted power due to insertion loss.

Adjustments are as follows:

TWEETER LEVEL-These jumpers allow you to vary the tweeter output level of the tweeter