

BP7002, BP7004. BP7006

THE FOLLOWING WILL DETAIL THE AMPLIFIER REMOVAL PROCESS FOR DEFINITIVE TECHNOLOGY MODELS BP7002, BP7004, AND BP7006.

The speaker should be unplugged from any receiver or power amp that it may be plugged into. Disconnect the speaker from AC power at least 60 minutes prior to starting. Gather the tools you will need in a clean well-lighted place:

- a Phillips head screwdriver,
- a flat head screwdriver,
- a small plastic cup for screws
- a (small or tack) hammer,
- a needle nosed pliers (recommended)
- a digital camera (or pen and paper).
- Masking tape (optional)

REMOVE THE AMPLIFIER

1. Lay the speaker down gently on its belly, so that the amplifier to be removed (entire back panel) is facing toward the ceiling.

2. Remove the screws that are along the outer edge of the back panel.

CAUTION: Only remove the screws along the outer edge of the back panel.

As you get the screws out drop them into the plastic cup to keep track of them. It is very important that you retain all the original screws.

3. You may use the power cord as leverage to remove the amplifier. It can stick and this process needs to be done carefully.
 - a. Stand over the speaker with one foot on each side.
 - b. Grasp the power cord securely with your dominant hand.
 - c. Place your off hand on the speaker, such that only the corner of the back plate is beneath your palm. It should be the corner closest to the power cord.
 - i. With the corner of the back plate beneath your palm you do not have to worry about pulling the entire amp out while still connected.
 - d. Pull up on the cord while pressing down on the speaker with your offhand.
 - i. Do not yank the cord like you are trying to start a lawnmower, instead apply steady but increasing pressure.
 - ii. Pull up with as purely vertical a motion as possible.
 - e. Once the incidental seal between the back panel and gasket is broken you can ease off the tension.
 - f. Next take your flat head screwdriver and lift out the amp with your free hand while pressing the gasket back down into place with the flat screw driver head

- g.** Once free from the gasket, remove the back panel using as purely vertical of a motion as space will allow. **Use caution: although we have freed the amp from the gasket, it is still connected via wires to internal components.**
- 4.** Once free, the amp should be rotated sideways so it gently rests across the recently vacated opening. Now take a moment to prepare for the reinstallation.
 - a.** Snap some pictures to be sure you maintain the orientation of which wires connect to which jumpers. Do not rely solely on memory.
 - b.** Alternately take notes, such as: X colored wire is connected to the amp board posts labeled JP1. Y colored wire is connected to the amp jumper post labeled JP2 and so forth...
- 5.** There will be a total of 2 pairs of wires removed.
 - a.** One set gets disconnected from the inside of the binding posts. The other end of these wires stay connected to the internal crossover.
 - b.** One set gets disconnected from the circuit board that is mounted to the inside of the back panel. The other end of these wires stay connected to the woofer.
- 6.** Now that you have marked your crossover wires, they may be removed. Needle nose pliers should be used to gently grasp and remove, using as purely lateral of a motion as possible.
 - a.** Try not to put torsional pressure on the tabs.
 - b.** Be sure to grasp the fast on connector above the male tab sticking up off the board and below the the wire itself. Aim for the root of the fast on connector where is grabs onto the wire.

GASKET

Once you have the amp completely removed use a hammer to gently but firmly tap the staples securing the gasket back into place.

WIRE HARNESSSES

Be sure to save the wires with the tiny metal jumper clips that snake away into the speaker. It can also be helpful to use a piece of masking tape to make sure the four wires you disconnected stay easy to find.