

DYNACO A-40 XL LOUDSPEAKER SYSTEM

Your dated bill of sale should be retained for warranty verification.

DESCRIPTION

The A-40XL is an extended range, high performance two way loudspeaker system. A 1" non-rigid dome tweeter with ultra-wide dispersion is crossed over at 1500 Hz to an extended excursion woofer in a walnut veneer cabinet design which achieves non-resonant bass response. This *aperiodic* achievement provides an unusually uniform bass impedance characteristic. It enables higher power transfer with low distortion at low frequencies and provides crisp articulation or transient response in the bass. The result is higher output before the amplifier "clips" or distorts than with other speakers of similar efficiency. The A-40XL is recommended for amplifiers having continuous ratings of 15 watts or greater per channel. It carries a 50 watt DIN power rating specification.

INSTALLATION

In most stereo music systems, the speakers are usually placed 6 to 15 feet apart against the wall opposite the listening area. The most natural audio image is often realized when the speakers are at ear level or above. Those preferring accentuated bass response will choose a corner location.

Commonly used speaker connecting wire is #18 stranded two conductor lamp cord (zip cord). Do not use wire smaller than #18 with any quality speaker system. If the speaker wires exceed 50 feet, it is recommended that #16 lamp cord be used. Stranded wire should be tightly twisted before connecting it to the terminal ("tin" it with solder, if possible) to prevent stray ends from touching other than the intended terminal. The connecting terminals will also accept 3/4" spacing dual banana plugs.

The A-40XL is connected to the "8 ohm" and "common" amplifier terminals. Be sure to maintain similar wiring "sense" for each speaker in the system so that all are connected *in phase*. With lamp cord, phasing is easily maintained because one conductor is coded with a slight molded ridge on the outer plastic insulation. Two speakers are connected in phase when maximum low frequency output is heard when they are placed face to face about 1"-2" apart and the speakers are driven from a monophonic source. Lowered bass output is observed when the connection to *one* of the speakers is reversed, or out of phase. In a matrix or discrete quadraphonic system, each speaker should be compared with the original one if there is any doubt of the phasing of each.

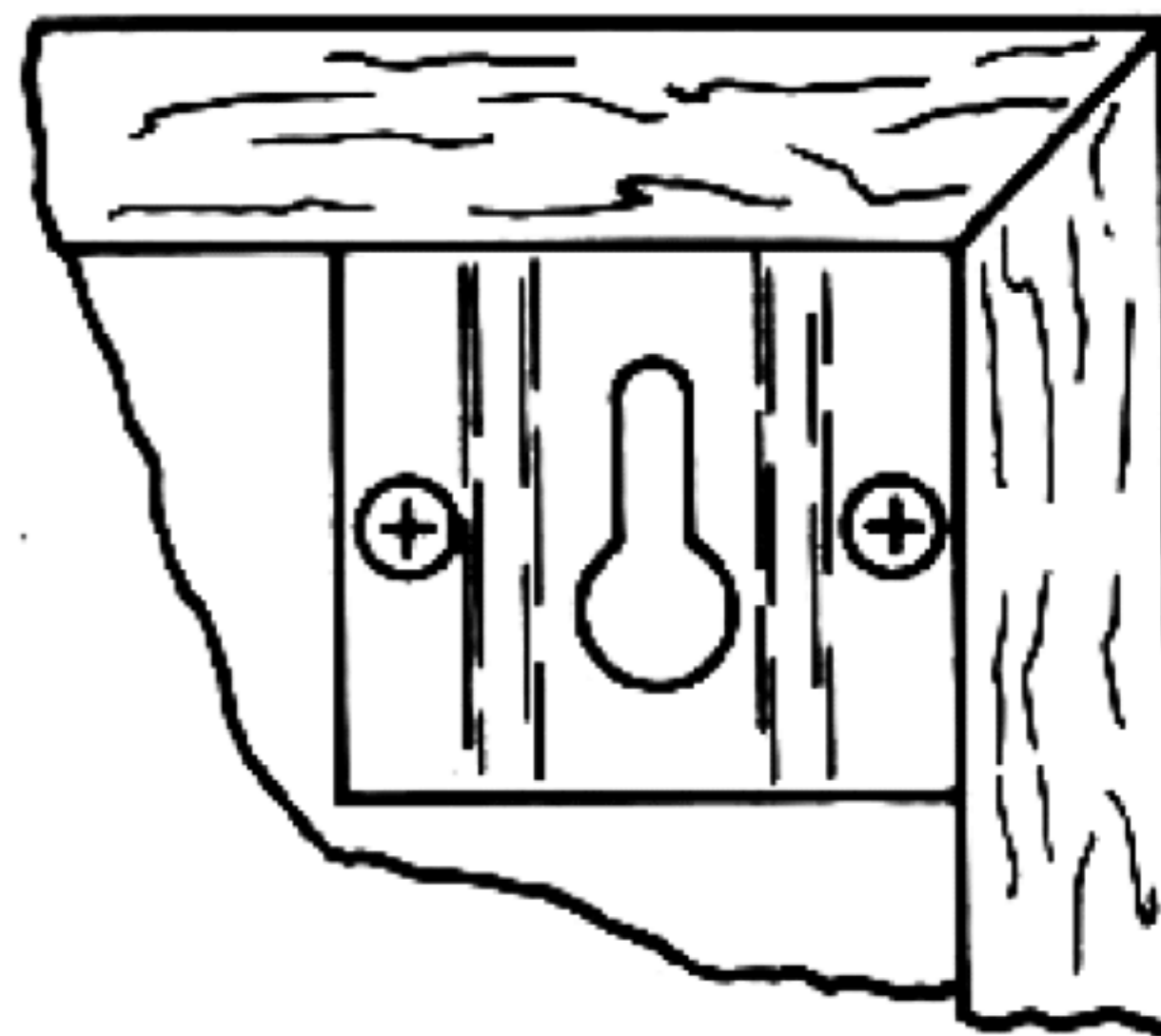
The most used setting of the high frequency level control has been indicated as NORMAL. Clockwise rotation increases the treble output by 3 dB at 10 kHz, and counterclockwise rotation decreases the treble by 3 dB.

INSPECT FOR CONCEALED DAMAGE

These speakers were carefully tested, and the cabinets inspected prior to their leaving the factory. If the sealed carton was picked up from a dealer notify him at once and retain all the packing for inspection. If a transportation company delivered the carton to you, notify them that you wish to place a claim. They will need a copy of your bill of sale. Damage to the contents of a sealed carton is the responsibility of the transportation company, even though the exterior carton appears intact, and damage claims must be filed promptly by you. Damage to the wood cabinet requires its replacement at Dynaco, unless you choose to ignore it. The replacement cost of an A-40XL cabinet is \$40.00 plus shipping to and from the factory. If there is functional damage as well, you cannot yet quote a repair charge to the transportation company. The speaker should be properly repacked and shipped to Dynaco prepaid and insured via United Parcel Service or Express. It will be returned collect for repair charges and shipping. The invoice you receive may then be used to substantiate your claim against the transportation company. NEVER SHIP VIA PARCEL POST!

Two A-40XL speakers may be connected in parallel to the output of each channel of an amplifier without concern, for the speaker's impedance curve is very uniform, and remains above 8 ohms over most of its range. If a 4 ohm tap is available from a transformer or tube amplifier, this should be used for two speakers connected in parallel.

If you wish to hang a speaker on the wall, two metal brackets plus four Phillips head screws are provided for either vertical or horizontal mounting. Once the brackets have been mounted in the appropriate corners on the back of the cabinet (see the pictorial diagram on the right), affix #6 round head screws to the wall. The #6 screws (not supplied) should project about 1/8" from the wall. Self-adhesive felt feet have been supplied to protect the wall surface, or of supporting furniture.



PRESERVING THE WOOD FINISH

The furniture surface of the A-40XL is an oil finish. It should not be waxed or polished with any preparation containing wax or petroleum distillates. You can enhance the patina of the wood by applying a thin coat of boiled (not raw) linseed oil, or an oil prepared for such finishes. Boiled linseed oil is available at hardware stores, but it will take 2 to 4 days to dry completely. Special finishes, usually sold only by stores handling matte or oil finish furniture, often include turpentine and Japan drier with the boiled linseed oil to speed drying.

Apply a very thin coat with a clean, lintless cloth, such as cheese cloth. A *teaspoon* should easily oil one cabinet. Apply with the grain, allow it to soak in and dry for an hour, and then wipe off the excess. Do not allow anything to touch the cabinet for 2 to 4 days. You may wish to repeat the process every 6 months to a year.

PROTECTIVE FUSING

To guard against speaker abuse from excessive input signals, a fuse installed in series with one speaker lead is advised. Use a conventional 3AG/AGC type in an open clip-type fuse holder screwed to the back of the speaker. A 1-1/4 or 1-1/2 ampere fuse (not slo-blo) is recommended.

LIMITED WARRANTY

The Dynaco A-40XL is warranted against defects in material and workmanship for one (1) year from purchase date, provided it has not been subjected to abuse, misuse, or accident. The warranty includes factory authorized repairs and return freight within U.S. from the factory or nearest authorized agency to the purchaser. If the speaker is defective upon initial use, contact the dealer from whom it was purchased. If a defect appears within the warranty period, write to Dynaco with the symptoms, any tests you have made, the serial number, purchase date, and your name and complete shipping address. We will direct you to the nearest repair facility. When returning the speaker to the factory or service facility, a copy of your dated bill of sale is required. Please do not return the speaker to the factory without prior authorization unless cabinet replacement is required. We recommend that you keep the complete original packing. If necessary, new packing is available on request for \$3.50 post paid. Please include your check or money order when ordering.

The drivers (woofer and tweeter) are warranted against manufacturing defects for a full five (5) years from purchase date (determined by a copy of your bill of sale) if they have not been subjected to abuse.