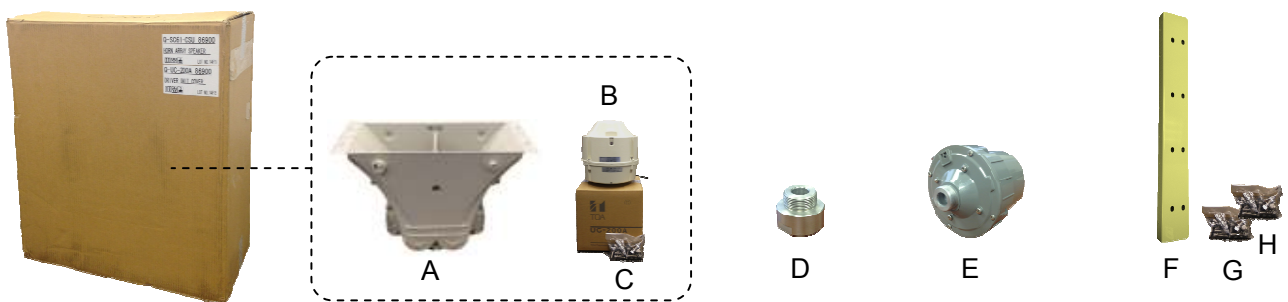


This is a quick instruction guide for assembling the HA-450 series Horn Array Speaker System.

COMPONENTS

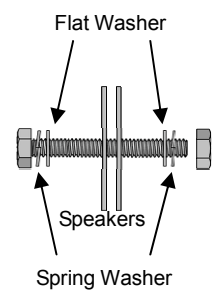
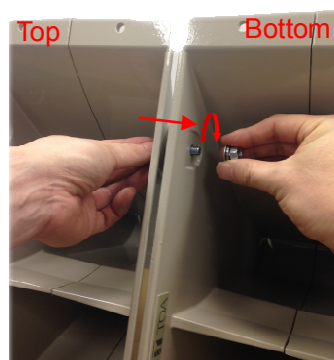


A: Speaker Horn (4 pcs)
 B: Speaker Driver Cover (4 pcs)
 C: Bolts, Nuts & Washers (4 bags)
 D: Driver Adapter (4 pcs)
 E: Speaker Driver (4 units)

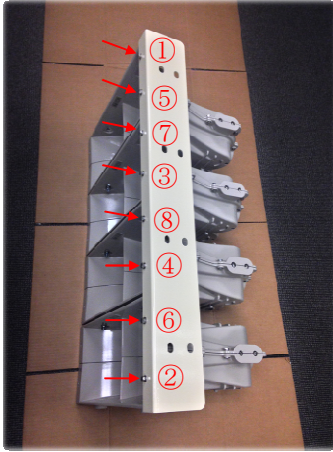
F: Joining Plate (4 pcs)
 G: M8 Bolts, Nuts & Washers x 7 sets (1 bag)
 H: M10 Bolts, Nuts & Washers x 8 sets (1 bag)

INSTALLATION

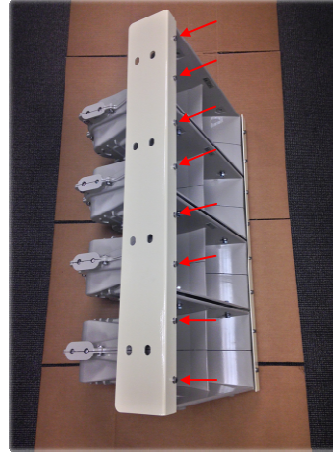
1. Place four Speaker Horns (A) next to each other on a flat surface with all brand logos located on the top side.
2. Loosely fix all Speaker Horns (A) manually with the supplied M8x45mm bolts, nuts and washers (G).



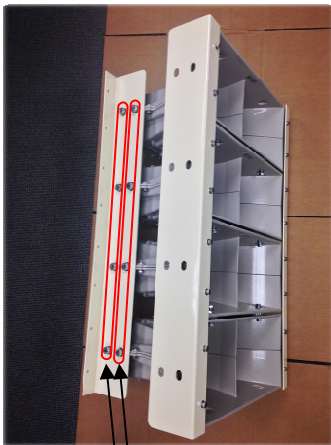
3. Loosely attach a first Joining Bracket (F) manually on the front side of the speaker with the supplied M6x30mm bolts, nuts and washers (C).



4. Turn over the whole assembly and attach the second Joining Bracket (F) on the other side in the same manner.



5. Attach the third Joining Bracket (F) manually on the rear side of the speaker with the supplied M10x25mm (H) and M10x35mm (C) bolts and washers.



M10x25mm (H) Shorter

M10x35mm (C) Longer

6. Turn over the whole assembly and attach the fourth Joining Bracket (F) on the other side in the same manner.



7. Fix all bolts in 2, 3, 4, 5 and 6 tightly by using appropriate tools.

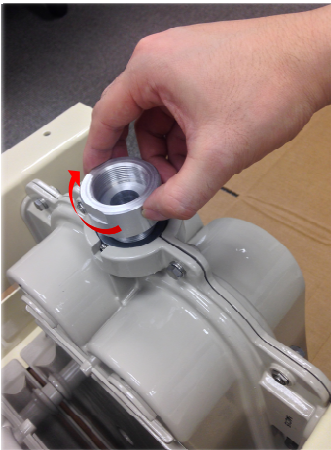
8. Place the assembly front side down as shown below.



9. Loosen the screw on the side of the mounting throat.



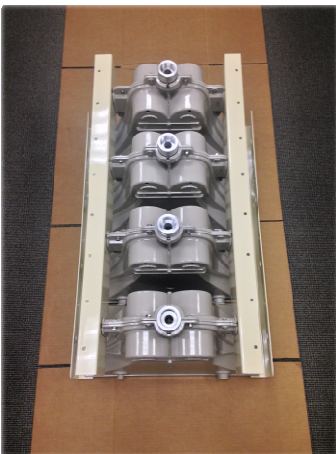
10. Screw in the Driver Adapter (D) tightly.



11. Tighten the side screw to fix the Adapter.



12. Attach other Driver Adapters (D) in the same manner.



13. Put a Rubber Gasket inside of the Adapter and then place a spacer on the Adapter. (These two parts are supplied with the Driver Cover (B).)



14. Put a Driver Cover (D) on the Adapter with the drain hole located on the bottom side.



15. Put another spacer on the Driver Cover (D).



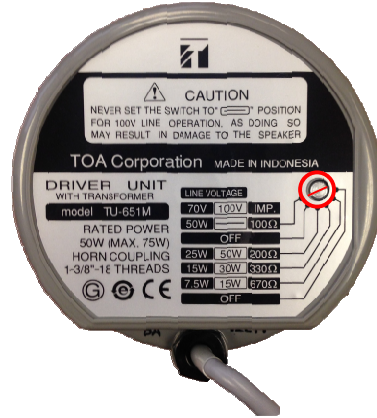
16. Screw in the Speaker Driver (E.)



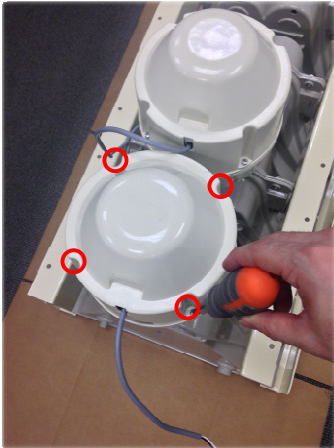
17. Put the speaker cable through the cable hole of the Driver Cover (D), and fix the clamp.



18. If you purchased “HA-450H”, adjust the transformer’s impedance to meet your system design. (The factory setting is 50W@70V.)



19. Fix four screws on the Driver Cover.



20. Attach other Speaker Drivers (E) and Covers (D) in the same manner.

