



## Sugatsune Aileron Lift-Assist Soft-Close Hinge Set



The Aileron Lift-Assist system installs over a pair of 35 mm hinges. There are two different versions available: one with high tension lift, and the other with medium tension. The system comes prepackaged with all the hardware required. See image below.



1) This system mounts onto a 35 mm hinge set from Sugatsune. Determine the spacing of the hinges and mark their locations by drawing a centerline for each hinge component.



2) Set the depth of the combo square to 20.5 millimeters. Here the measurement is transferred to a combo square.



3) Place a cross mark on each hinge centerline on the lid. This will locate the cup hinges on the inside of the cabinet lid.



4) Reset the depth of the combo square to 19 millimeters.



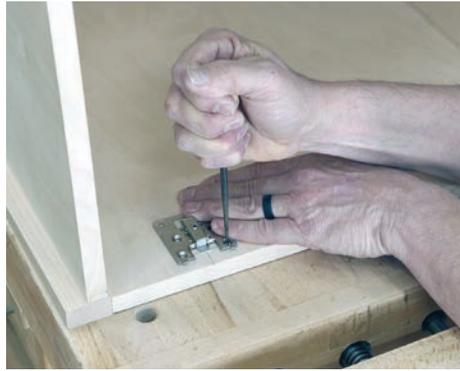
5) Draw a wide cross mark on the hinge centerlines on the cabinet body. These will locate the hinge plates.



6) Reset the combo square to 118 mm. Choose which side to mount the lid stay. Extend that hinge centerline and mark a cross line where the lid stay will attach to the lid.



7) Chuck a 35 mm Forstner bit into the drill press. Set the depth to 11 mm into the 3/4" lid. Bore the holes at the marked locations.



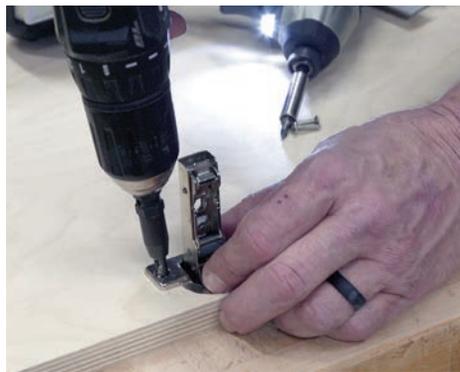
8) Use a scratch awl to make divots at the screw locations. They will help locate the drill bit on the cabinet body. Do this in both locations.



9) With a Vix bit in a drill driver, drill the screw holes for the hinge plate, using the divots to accurately locate the holes.



10) Place the hinge plates in their locations and mount them using the screws provided.



11) Place the hinge cups in their locations and drill holes for their screws. Drive the screws home.



12) Bore the holes for the Aileron lid stay plate. Mount the lid stay plate.

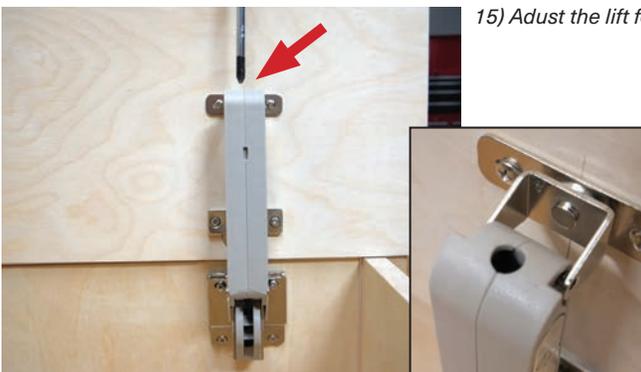


13) Remove the forward two screws on the lid stay hinge plate. Loosen the rear two screws. Slide the lid stay onto the lid stay plate.

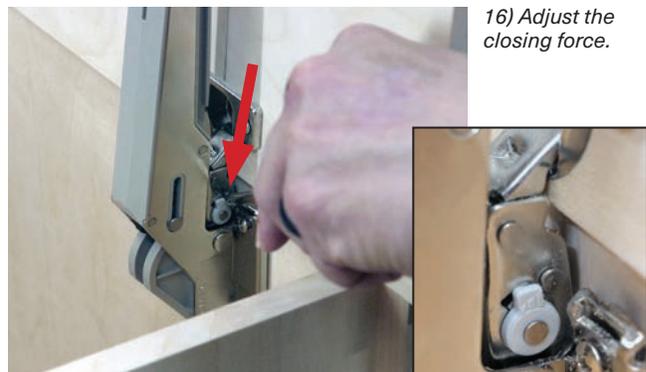


14) Mount the lid stay to the lid stay plate by tightening the rear screws and reinstalling the forward two screws.

## ADJUSTMENTS



15) Adjust the lift force.



16) Adjust the closing force.