

## Fitting Aqualu Cowl Door Hinge Assembly

The Aqualu design takes away the Toyota through-hole slots and original front door hinges, replacing them with the hinge assemblies included with each cowl. Figures 1 and 2 below show the Aqualu-provided hinge assemblies that need to get mounted to the cowl at the A-pillar.



Figure 1: Aqualu Front Door Hinge



Figure 2: Aqualu Front Door Hinge Detail

Installation of the hinges requires mounting the door (Aqualu half door, OEM doors or others) to the hinges via original pin or using a bolt. We suggest hanging the hinge on the door first and having a friend help with alignment.

The door can be hung and shimmed to correct position to keep proper door gaps, marking out the vertical position of the hinge bracket to cowl. If fitting hardtop, make sure the gaps are consistent from top to bottom edges of the doors.

Hinge placement will be similar to the example shown in figure 3 below. Mark 6 hole positions (3 top and 3 bottom). Pre-drill 6 holes and bolt securely to the a-pillar with provided 10-24 x  $\frac{3}{4}$ " oval head countersunk screws & Nyloc nuts.



Figure 3: Aqualu Front Door Hinge Mounting

Refer to figures 4 and 5 for correct orientation of door hinge brackets.



Figure 4: Correct Mounting Orientation



Figure 5: Incorrect Mounting Orientation