



## **Aeroflow Billet Bonnet Hinge installation instructions AF64-4105 / AF64-4105BLK & AF64-4105S**

### **Packing list:**

- Hinge assemblies, 1 x left and 1 x right.
- 6 x 5/16" x 1-1/2" UHL button headed cap screws for mounting hinge to body.
- 4 x 5/16" x 1-1/4" UHL button headed cap screws with washers for attaching hinges to bonnet.
- 2 x gas struts

### **Tools Needed:**

- 1/2" socket or spanner for removing factory hinges
- 5mm Allan key wrench for installing button headed bolts
- 5/16" and 3/8" open end wrenches for bonnet adjustment height link.

### **Note:**

- Check all bolt lengths for bottoming out before tightening

### **Installation steps:**

- Remove bonnet
- Remove factory hinges and hand tighten supplied button headed bolts into the threads in the body and if the threads are damaged or corroded re-tap them. The holes in the body are 5/16"-18 tap and the bonnet use a 5/16"-18 tap.
- Position each hinge on the correct side and attach the hinge to the inner body fender with the 5/16" x 1-1/2" button headed bolts. Use the 2 washers on the rear bolts. Before tightening the bolts completely move the hinges up or down so the bolt is centred in the slot.
- With the hinges in the lowered position measure between the fenders, across the bonnet brackets, and compare the spacing of the holes in the brackets to those in the bonnet. This may help in accurately positioning the hinges before the bonnet is bolted on.
- Each hinge has a gas strut to hold the bonnet open. The gas strut should be attached to the hinge after the hinge is installed but before the bonnet is attached. The body or thicker part of the strut should be attached to the ball stud at the higher point on the hinge so that the shaft will be oiled by gravity.
- Attach the bonnet to the hinges with the 5/16" x 1-1/4" button headed bolts. Slide the bonnet forward as far as possible before tightening the bolts. This will assure that the bonnet will not hit the cowl as it is lowered. Lower the bonnet CAREFULLY, watching the clearance front and back as well as both sides. Adjust the bonnet on the hinge brackets as needed for correct clearance.
- Adjust the bonnet height. Once the bonnet closes completely, check the height of the bonnet at the rear corners. The hinges are shipped with the height adjustment in the lowest position so if the bonnet is too low raise it by adjusting the short link with the rod end bearings. BE AWARE THAT ADJUSTING THE HEIGHT THIS WAY WILL ALSO MOVE THE BONNET SLIGHTLY FORWARD SO THE BONNET MAY HAVE TO BE REPOSITIONED ON THE HINGE BRACKETS. Tighten the jam nuts when the adjustment is complete.