

# ***42 Draft Designs***

## **Audi TT 225 Engine Cover Hardware Kit – Installation Instructions**

### **Tools Recommended:**

Phillips & Flat Head Screwdriver Assortment  
5mm Allen Wrench  
4mm Allen Wrench  
1/8" Drill Bit & Drill  
Pop-Rivet Gun

### **Kit Contents:**

6 Thin Washers  
6 Medium Washers  
2 Tall Washers  
2 Upper Engine Cover Brackets  
6 Front Fascia Brackets  
6 M16 x 16mm Flat Head Bolts  
6 M16 x 25mm Flat Head Bolts  
2 M16 x 50mm Flat Head Bolts  
2 M16 x 16mm Socket Head Bolts  
14 1/8" Rivets (2 Extra)

### **Before You Begin!**

Removing the stock engine cover hardware can be a pain. The upper engine cover screws will most definitely break. Anything with a Phillips head screw will probably be way too tight and want to strip. The front fascia fasteners will most likely come apart and a few pieces will get lost. Don't worry about destroying the stock hardware – you'll never need it again.

1. Remove the two plastic fasteners holding the upper engine cover in place by turning 180° and pulling upwards on the engine cover. Remove the engine cover by pulling towards you and lifting it off the engine. Remove the two black metal brackets to which the plastic fasteners attach using a 5mm Allen wrench. You may need to unclip the plastic fuel injector wiring harness cover in order to access these bolts.
2. Install the two aluminum upper engine cover brackets. Use the supplied M6 x 16mm socket head cap screws and a 5mm Allen wrench to bolt them down. Re-install the upper engine cover by sliding it into the rear tabs and sitting it down onto the aluminum brackets. Bolt the cover down using two medium washers and two M6 x 25mm flat head cap screws. Over-tightening these bolts is not necessary. As you tighten them the rubber grommet on the engine cover will squish.
3. Remove the two fasteners in the lower engine cover using a medium – large Phillips head screwdriver. Be careful not to strip the heads of these screws. There is usually some grit and gunk in the holes. Once the screws are out, remove the lower engine cover and clean out the holes.
4. Replace the lower engine cover using two tall washers and two M6 x 50mm flat head cap screws.
5. Remove the single coolant bottle cover fastener with a medium – large Phillips head screwdriver. Using the same screwdriver, remove the three fasteners on the battery cover. Remove both covers in order to remove the front fascia.
6. To remove the front fascia six tricky fasteners must be released from left to right. To remove these fasteners, use a slim screwdriver to poke the center. Push the center dowel down about 1/4". Once this dowel is pushed in, the fastener may be pulled out using pliers or your fingers. With all six fasteners removed, pull the left cover off first, sliding it out of the connection at the hood release. Remove the right cover by pulling it off the core support.
7. Locate the six holes in the core support where the OEM plastic fasteners attach. Grab one of the six front fascia brackets and visually line it up with each hole. These brackets will be riveted to the back of the core support and once attached will act as a M6 'nut' for the six front fascia bolts. In order to rivet these brackets in place, two small holes must be drilled per bracket.

8. First, mock up each bracket individually from the back of the hole. The bracket will be installed at a different angle at each hole based on obvious clearances. Once you've figured out the angle at each hole, hold the bracket up to the hole on the front of the core support. Center the M6 threaded hole with the hole in the core support, line the bracket up at the correct angle and mark the holes. You can mark the holes using a paint pen, scratch-all or a thin nail. Do this for all 6 holes being sure to double check the clearances underneath the hole.
9. Once all 12 holes are marked, drill using a 1/8" drill bit and cordless drill. Be sure to check behind the core support at every hole for wires or other obstructions. There are a few wires cables, and hoses behind the core support so don't go wild!
10. With all holes drilled it's time to rivet the brackets in place. Start by holding the bracket in place behind the core support and inserting the rivets from the front. Using your pop rivet gun, fasten one rivet at a time while using your fingers to squeeze the bracket against the core support. Once both rivets are fastened the bracket will be solid. Fasten the remaining five brackets.
11. Install the front fascia from right to left using six thin washers and six M6 x 16mm flat head cap screws. Install all screws and washers loose and do a final tighten while aligning the fascia covers.
12. Install the coolant bottle cover and battery cover using 4 medium washers and 4 M6 x 25mm flat head cap screws.

**On track day, all you need to remove the engine covers is a 4mm Allen wrench!**

### **Replacement Hardware**

While we will certainly warranty any defect in manufacturing, lost or damaged hardware is the responsibility of the customer. To make things easy we've laid out pricing on each individual item included in the kit. If you've lost or damaged any part of your hardware kit, look over the list below and email us at [sales@42draftdesigns.com](mailto:sales@42draftdesigns.com) to place an order.

Thin Washers - \$4.00 per washer  
Medium Washers - \$4.00 per washer  
Tall Washers - \$5.00 per washer  
Upper Engine Cover Brackets - \$5 per bracket  
Front Fascia Brackets - \$3.00 per bracket  
M16 x 16mm Flat Head Bolts - \$1.50 per bolt  
M16 x 25mm Flat Head Bolts - \$1.50 per bolt  
M16 x 50mm Flat Head Bolts - \$2.00 per bolt  
M16 x 16mm Socket Head Bolts - \$1.50 per bolt  
1/8" Rivets - \$.25 per rivet