



## V-Strom Engine Protector (Hepeco Becker 1000 Version)

### Kit Contains:

- |                                   |                                    |
|-----------------------------------|------------------------------------|
| (1) AMS Aluminum Engine Protector | (2) Engine Guard Front Clamps      |
| (1) Rear Mounting Bracket         | (2) Rubber Pads                    |
| (2) 12mm x 35mm Bolts             | (1) Half-Round Polyurethane Spacer |
| (1) 8mm x 50mm Bolt               | (2) 8mm x 45mm Bolts               |
| (3) 8mm Flat Washers              | (2) 8mm Flat washers               |
| (2) 8mm x 18mm Bolts              | (2) Rubber Grommets                |
|                                   | (2) Stainless Bushings             |
|                                   | (2) 8mm Fender Washers             |
|                                   | (2) 8mm Lock Nuts                  |

### Step 1— Install The Rear Mounting Bracket

All three of the bolts installed in this section are to be installed with a medium strength non-permanent thread locking agent. It will be necessary to support the bike with a centerstand, rear stand or a helper.

Remove the exhaust mounting bolt just below and in front of the right Footpeg. (Figure A). Remove the two bolts securing the side stand bracket to the bike. Secure the rear mounting bracket on the left side of the bike using the (2) 12mm x 35mm bolts and the washers from the original 12mm bolts. (Figure B). Torque to **100 N-m (5.0 kgf-m, 72.5 lb-ft)** Secure the right side of the bracket using the 8mm x 50mm Bolt and 8mm flat washer. (Figure A) Torque to **23 N-m (2.3 kgf-m, 16.5 lb-ft)**



Figure A



Figure B

### Step 2— Install the Two Engine Guard Front Clamps

Using a 4mm Allen wrench, unbolt half of the front clamps. Attach the rubber pads to each half of the inside of one of the clamps and re-assemble on the left side of the crashbars. They need to be spaced 6" apart center to center. Loosely assemble the other clamp on the flat section on the right side of the crashbars. Slide the half-moon spacer between the bar and the clamp and tighten the screws. Be very careful re-installing the screws in the clamps as they can be easy to cross thread. (Figure C)



Figure C



Figure D

### Step 3— Securing the front of the Engine Protector to the Front Clamps

Install the Rubber Grommets to the (2) front holes of the Engine Protector. Insert the Stainless Steel Bushings into the rubber grommets at the top of the Engine Protector. Loosely secure the front of the skid plate to the clamps using the 8mm x 45mm Bolts. They will go through the 8mm Flat Washers, Front Clamps, Stainless Bushings, Large Fender Washer and the 8mm Lock Nut. (Figure D)

### Step 4— Securing the back of the Engine Protector to the Rear Mounting Bracket

Loosely secure the back of the skid plate to the Rear Mounting Bracket using the 8mm x 18mm Bolts and 8mm Flat Washers. (Figure E)



Figure E



Figure F

Step 5— Finish tightening the bolts securing the front of the Engine Protector and then the rear. Your Installation is now complete (Figure F)

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