

## Enduro Engineering Clamp Debris Deflector Installation



FIG 1

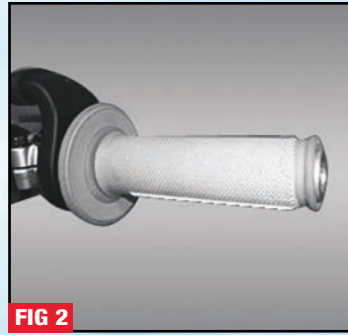


FIG 2

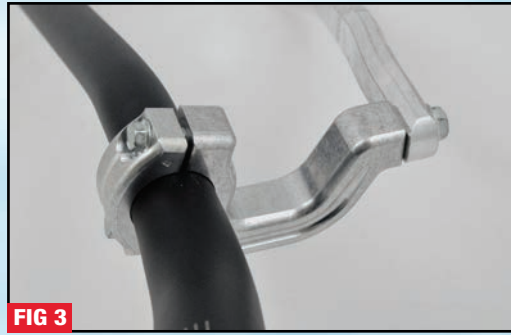


FIG 3

**NOTE:** When installing debris deflectors on Magura brand tapered handlebars, **DO NOT SHORTEN THE ENDS OF THE HANDLEBARS.** In order to insure proper debris deflector fitment, they must remain standard width. On most other brands of handlebars it is possible to cut up to a maximum of 3/8" off each end of the handlebars if desired, and still achieve proper fitment. But before doing so slide all of the handlebar controls inward the desired location to make sure you have proper clearance and adjustability.

- 1** First it will be necessary to trim off the ends of the hand grips and throttle sleeve. Loosen the throttle and slide it off the end of the handlebar approximately two inches, and then retighten. Use a hacksaw or utility knife to cut off the very end of the throttle grip and tube (**Fig 1**). Using a round file, debur the inside edge of the throttle tube. Now loosen the throttle and slide it off of the handlebar. Use a rag to clean any plastic or rubber shavings out of the inside of the throttle tube.
- 2** Slide the throttle back on to the handlebar, leaving about a 1/8" of handlebar sticking out of the throttle tube, and retighten the throttle (**Fig 2**). **NOTE:** Make sure that the throttle turns smoothly and returns back to the closed position on its own. If not remove the throttle again and make sure there are no burrs or debris on the inside of the throttle tube. Repeat step #2.
- 3** Use a utility knife and cut off the very end of the clutch side grip.
- 4** The debris deflector bars come as a left and right, there will be a brand laser etching on both bars, be sure that the identifying marks are facing up. Insert the 8x50mm flat socket head bolt through the counter sunk hole on the side of the debris deflector bar. If you have aluminum handlebars slide the non-threaded aluminum taperlock piece over the 8x50mm flat head bolt. Then thread on the threaded aluminum taperlock piece. If you have steel handlebars you will use the larger aluminum taperlocks (EVO style) or the two serrated nuts and two pieces of rubber hose (Regular style). One piece of hose will slide over the 8x50mm flathead bolt and then thread on the serrated nut until it contacts the rubber hose. Insert the bolt, with the taperlocks or rubber hose installed, into the end of the handlebar until the debris deflector comes in contact with the end of the handlebar, positioning the debris deflector parallel with the ground when the bike is sitting up right. Using the supplied 5mm Allen wrench, tighten the 8x50mm flat head bolt.
- 5** Next you will need to mount the clamping system around the handlebar at the inner debris deflector mounting hole. Make sure that you have the correct mounts for the brand handlebars that you are mounting the clamp to. For 7/8" handlebars the mounting clamps will have no markings. Magura 1 1/8" and Moose Flex Burleson bend will be marked with a 6. Renthal 1 1/8" fat bars, Tag 1 1/8", Neken, Pro Taper 1 1/8" and Moose Flex Series(except the Burleson bend) will be marked with a 4 or 14. Renthal Twinwall Handlebars will be marked with a TW.
- 6** Once you have determined that you have the correct mounting hardware, place the clamps around the handlebar with the half moon piece to the back side of the handlebars. Make sure that the letters on the two halves of the clamps are adjacent to each other and are facing the inside of the motorcycle (**Fig 3**).
- 7** Align the front of the clamp with the inner debris deflector mounting hole and start the supplied 8x25mm bolt. Then using the supplied 6x25mm bolts, tighten the two halves of the clamps together. (**NOTE:** Depending on debris deflector and handlebars position it may be necessary to tighten the two bolts back and forth drawing the clamp together and actually molding the clamp around the tapered bar.)

### INSTRUCTIONS, WARNING AND DISCLAIMER

#### WARNING:

Failure to read these warnings and follow these instructions could lead to interference with the motorcycle/ATV controls, loss of control of the motorcycle/ATV, an accident, severe injury or death.

#### WARNING:

These debris deflectors are designed and intended for off-road use only. These debris deflectors are not for high speed use or in desert or motocross environments. They are designed and intended for low speed travel to protect hands from cold weather, and from the impact of small branches and other small items of debris or obstacles. These debris deflectors are not designed to, are not intended to, nor will they prevent an injury in the event of a crash.

#### WARNING:

Do not ride with loose or worn debris deflectors or debris deflector components. Always check the fasteners for tightness and that the controls are free and in proper working order before every ride. Loose, worn or inappropriately installed debris deflectors may result in loss of control, injury or death.

#### CAUTION:

Use only genuine Enduro Engineering replacement parts if any of the debris deflector components become worn or damaged. Carefully and closely follow the installation instructions provided with these debris deflectors. If you are not qualified to properly install this product, have the hand guards installed by a qualified motorcycle/ATV technician. If you have any questions regarding the use, fit or installation of this product, please contact your local Enduro Engineering dealer, call us at (517) 393-2421 or email us at [info@enduroeng.com](mailto:info@enduroeng.com)

#### WARNING AND DISCLAIMER:

All parts manufactured, designed or sold by Enduro Engineering, Inc. (EEI) are to be installed by a licensed motorcycle dealer or a qualified motorcycle technician. Motorcycles can be dangerous. Serious injury, death and property damage can result from the use of motorcycles. This risk is increased by improper installation or misuse of after market parts. EEI's customers must exercise good judgment in the use, control, alteration, part selection and installation, and maintenance of their motorcycles. In the event of a possible defect in material or design, or any other defect in a part manufactured, designed or sold by EEI, the responsibility of EEI is limited to either a refund of the purchase price or the replacement of the part if EEI determines the part to be defective, and subject to EEI's inspection of the part within thirty (30) days from the date of purchase. (Note: any attempted repairs or modifications made to EEI products will void this limited warranty). EEI, under no circumstances will be responsible for incidental and/or consequential damages, property damage, personal injury damage, or damage, injury, cost or expense of any kind or nature whatsoever. By purchasing an EEI product or a product sold by EEI, you (1) acknowledge the above disclaimer and agree to its terms; (2) agree that any claim brought against EEI arising from and/or pertaining to or otherwise related to a part manufactured, designed or sold by EEI must be brought in the Michigan State Courts located in the County of Ingham or in the Federal District Court for the Western District of Michigan and that Michigan law shall apply on all issues; and (3) any claim against EEI must be brought within one (1) year of purchase of the product. EEI makes no other warranty, express or implied, including without limitation any warranties of merchant-ability and fitness for a particular purpose.

- 8** Finish by tightening all of the mounting bolts and making sure that you have proper clearance to your control levers, cables, wiring, fuel tank, etc.



QUALITY OFF-ROAD MOTORCYCLE PRODUCTS

## INSTRUCTIONS

### Debris Deflector Installation