

Instructions – F.I.T. Shield Handguard System

Thank you for your purchase! We are confident that you will be pleased with the quality of our product.

We have designed the F.I.T. (Fastway Integrated Technology) Hand Guard System to be as easy to install as possible and accommodate a large range of applications. Due to the fact that dimensions can vary greatly with various top triple clamps, bar risers, bar positions, handle bar widths, etc., some minor adjusting is required to properly fit any hand guard system. We have tried to remove as many mounting issues as possible and still provide a strong, worry free solution to hand guards and damper mounting.

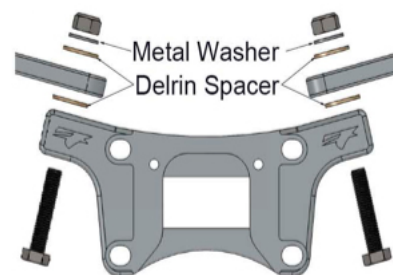
IF INSTALLING VERSION 1 (HAND GUARD AND DAMPER MOUNT) THEN USE ALL #'S BELOW
IF INSTALLING VERSION 2 OR 3 (HAND GUARD/TOP CLAMP ONLY) THEN USE #1, #2, #3, AND #5 BELOW

NOTE: We recommend using a thread-locking agent on all bolt threads (excluding nyloc nuts).
 5/8-11 Bar tap (part# 22-1-404) not included; must be purchased separately.

1: Mount Top Bar Clamp

Figure 1

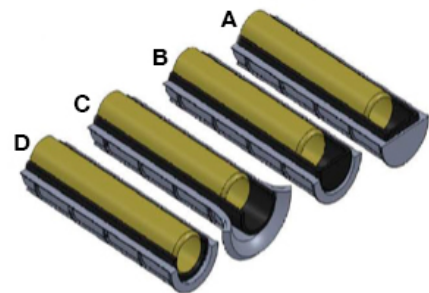
- Remove the four bolts that hold the top bar clamps in place and remove the clamps. *Note: There is no need to remove the handlebars.*
- Install two M8 hex bolts in the Fastway top clamp. (Figure 1). A tight fit is normal.
- Install the Fastway top bar clamp using the four M8 bolts supplied. It is critical to use the supplied bolts to ensure proper fit and clearance. Evenly tighten the bolts to ensure that the top clamp is an even and parallel distance from the bottom handlebar risers.



2: Modify Throttle Assembly (Figure 2)

Figure 2

- Loosen the throttle assembly retaining bolts and move the throttle tube towards the end of the bar approximately one inch (1"), tighten retaining bolts.
- Cut a hole in the end of the grip exposing the throttle tube using a razor knife.
- Roll the end of the grip back and cut the end of the throttle tube off as close to the end as possible.
- After installing arm bars, it may be necessary to trim more of the grip or throttle tube to allow for free return of the throttle.



WARNING: Failing to remove enough grip or throttle tube may cause the throttle to stick. Verify that the throttle has free movement **BEFORE** starting bike.

3: Threaded Inserts

- To thread the inner core of the handle bars, you can leave the bars on the bike or place them in a vice. You will want to remove the chips after tapping the holes, either with forced air, tipping the bars over, etc.
- When threading the handlebars, it is important to make sure that the tap stay true to the centerline of the bars. (Figure 3) Tapping at an angle will cause the fit of the insert to be off and will result in an incorrect installation.

Figure 3

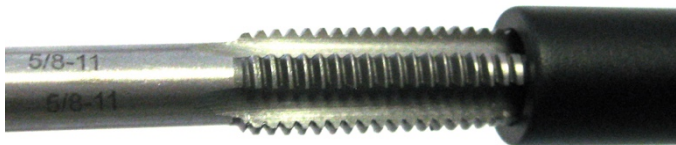
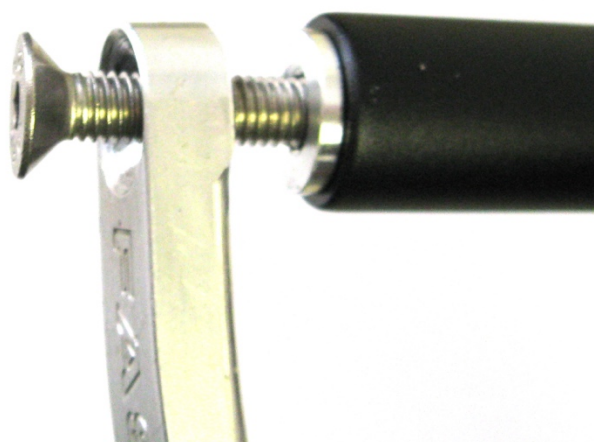


Figure 4

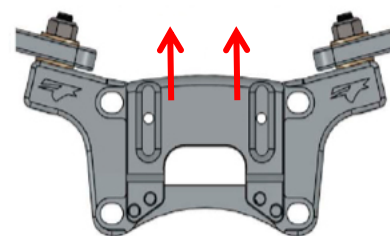


- Tap the bars by rotating the tap clockwise. Back the tap out frequently to remove chips, about every 1/2 turn. We also recommend using a cutting fluid or light oil (WD-40) to make the job a little easier.
- After tapping both sides, be sure to remove all chips from the bars, by either tipping them, or blowing them out with forced air. You are now ready to install the threaded inserts.
- Install the inserts with an 8mm allen wrench until the inserts are flush with the end of the bars. (Figure 4)

4: Damper Mount Plate

- Install the damper mount plate on the top clamp tight enough so it will stay in place but loose enough so it can be adjusted.
- Mount the Fastway Steering Stabilizer to the damper plate and center the adjustment knobs over the steering axis. It may be necessary to adjust the height of the tower pin (see frame clamp instructions).
- Turn the handle bar in both directions and verify that the bar turns to the steering stops, if not move the damper plate forward about 1/8" and re-check the steering movement. (Figure 5) Make sure there is no interference with any portion of the damper system.
- Remove the stabilizer and tighten the damper plate mounting bolts.
- Once the damper plate has been properly tightened, re-install the steering stabilizer.

Figure 5



5: Mount Handguard Bars

- Insert the bar end bolts into the handlebars but do not tighten.
- Slide the slotted ends of the hand guard bars over the M8 hex bolts, noting the location of the delrin spacers (see Figure 1). It may be necessary to adjust the arm bars as described below.
- After achieving desired fit, tighten the threaded bar inserts on the end of the bars as well as the M8 nyloc nuts.
- Attach hand guard shields to hand guard bars with the M6 button head bolts.

Note: Due to variations in bar bends, heights, triple clamps, etc. It may be necessary to tweak the hand guard ends to fit properly. Measure the distance between the bar and the top clamp mounting point. Use this as a guide to tweak the bars to fit properly. By tweaking the bars out (see illustration) you are increasing the distance between the bar end and bar mount. Adjust a small amount and check fit on bike.

Note: By increasing or decreasing the amount of twist in the slotted end of the hand guard, the position of the hand guard may be raised or lowered. Secure the hand guard near the Fastway "F" Logo using a vise or clamp. Using a large crescent wrench, twist the bar in (more twist) in order to lower the hand guard, or twist the bar out (less twist) to raise it.

