

MonoRail Installation Instructions

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JULY 2010

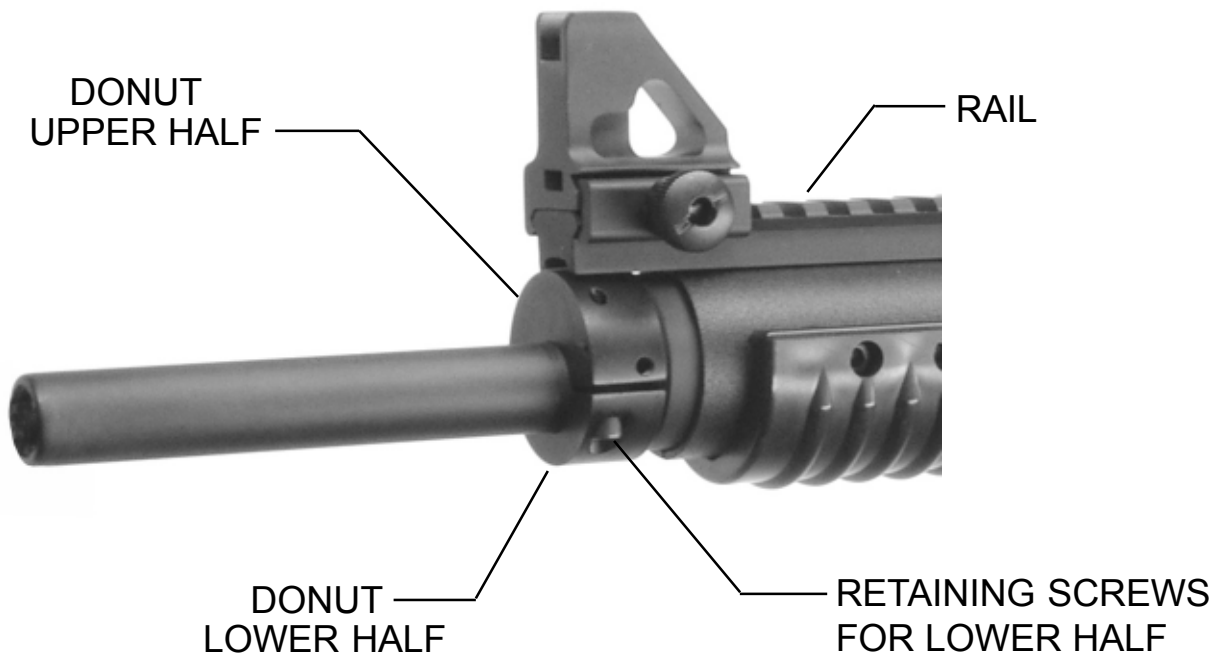


FIG. 1

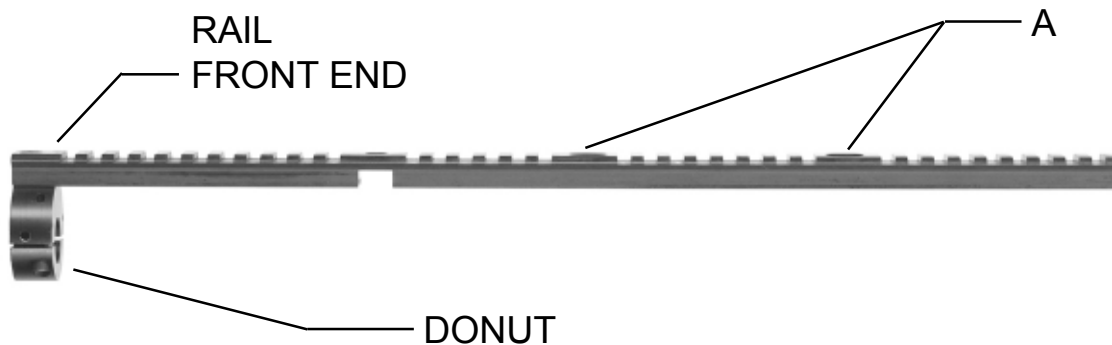


FIG. 2

Read insructions entirely through before proceeding - (really!) The first step for correct installation of the Mech-Tech MonoRail system is to assemble the 'do-nut' upper half to the front end of the rail. The upper half of the 'donut' is the larger of the two halves and is secured to the front end of the rail by an 8-32 flat-head socket cap screw 3/4" long. The lower half attaches to the upper half

using two 8-32 socket head cap screws 3/4" long (see FIG.1). It is possible to assemble the upper half of the 'donut' in two ways. Observe that the threaded hole at the 12 o'clock location in the upper half is off centered axially on the part. The correct orientation of the upper half with respect to the front of the rail is such that the threaded hole is toward the front of the assembly. This will allow the front vertical surface of the upper half to align with the front end of the rail. The lower half is properly oriented when its' vertical surfaces align with those of the upper half. The upper half mounting screw should be *lightly* tightened at this point. If your unit is equipped with a short rail you should remove this now. It is secured by two 8-32 hex nuts in circular recesses in the rail at locations 'A' - FIG.3. The MonoRail is secured the same way at the rear. After removal of the short rail you will see the two threaded studs attached to the main housing.

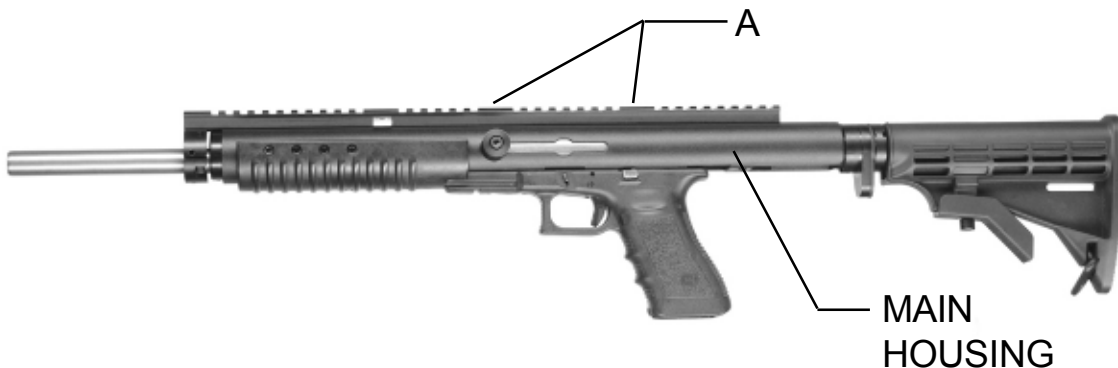


FIG.3

Set the MonoRail and upper half of the 'donut' on the top of the main housing as shown in FIG.3 such that the two threaded studs engage the two holes in the rail (locations 'A', FIG.3) and the 'donut' upper half straddles the barrel. Assemble the two hex nuts at locations 'A' and *lightly* tight. Assemble the lower half of the 'donut' using the two cap screws. Notice that there is a gap between the upper and lower 'donut' halves even when they are intimately in contact with the barrel. Tighten the two cap screws sequentially so as to maintain an equal width gap on both sides. Now tighten the flat head cap screw at the front end of the rail. Now tighten the two hex nuts at the rear. Be careful not to over tighten these or the threads on the studs may strip. If the stud threads are ruined, you will have to replace the main housing. That's all there is to mounting the MonoRail.