

### Wilson Combat T.R.I.M. installation instructions

1. Start with an assembled AR-15 upper receiver and an installed barrel. (fig. 1a) This assembly should be held rigidly in a vice. Remove the gas block from the barrel. NOTE: This may require that you remove the flash hider if one is present.
2. Slide the T.R.I.M. barrel attachment nut over the barrel and thread it onto the upper receiver. Using a **1 3/16"** open end wrench, crow foot wrench, or an adjustable jaw wrench, torque the barrel attachment nut down to **30 – 50 ft-lbs.**
3. If the barrel attachment nut does not time properly (fig. 1b) within this torque range, remove it and flip it to the other threaded side. Go back to step 2. If you have already flipped the barrel nut once, remove the nut and slide on the supplied barrel nut shim. (fig. 1c) Slide the barrel attachment nut on after the shim and repeat step 2. The nut and shim have been designed to provide four different timing settings to ensure that the nut will time out properly.
4. If the gas block being installed is a low profile version, install the gas block assembled with its gas tube now. Fasten it to the barrel. A flash hider with an O.D. of not more than  $\varnothing 1.18$  can be installed now as well. Remove any rail screws remaining in the barrel nut.
5. Slide the T.R.I.M. rail over the barrel and onto the barrel attachment nut. Add a light coating of oil to the bottom of each hole in the T.R.I.M. rail where the screws pass through. Thread each of the six rail screws into their holes in the T.R.I.M. rail. (fig 1d) NOTE: Do not torque screws yet.
6. Remove upper receiver from vice. The T.R.I.M. rail must now be aligned to the upper receiver. This can be done with a vice with appropriate Picatinny jaws or with a very flat surface. If using the vice, slide the upper receiver and T.R.I.M. rail into the Picatinny jaws. Tighten the vice slowly to allow the clamping geometry to align the rail with the upper receiver. If using a flat surface simply place the upper receiver and T.R.I.M. assembly across it to align the top surfaces of each rail. NOTE: If using a non-flat top upper receiver, place the T.R.I.M. rail on a flat surface with the receiver extended off into the air. Align the two using a level across the bottom flat of the receiver.
7. Torque the six rail screws to **65 in-lbs.** If the T.R.I.M. rail is not to be removed, red Loctite may be used on the rail screws. NOTE: It may only be possible to torque some of the screws while the receiver is in the vice. If this is the case, the remaining screws may be torqued after removing the upper receiver from the vice.
8. Install gas block and/or flash hider now, if they did not meet the requirements listed in step 4.

The Wilson Combat T.R.I.M. rail has been installed and should look similar to fig. 1e.

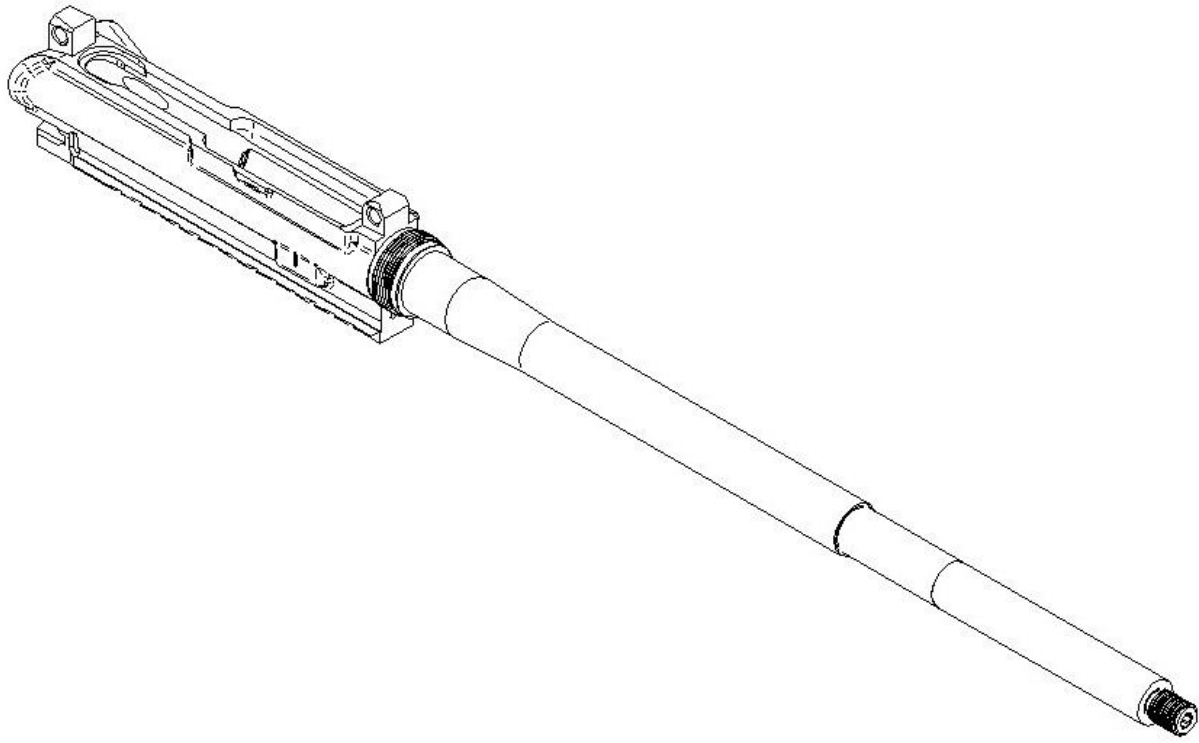


Fig. 1a

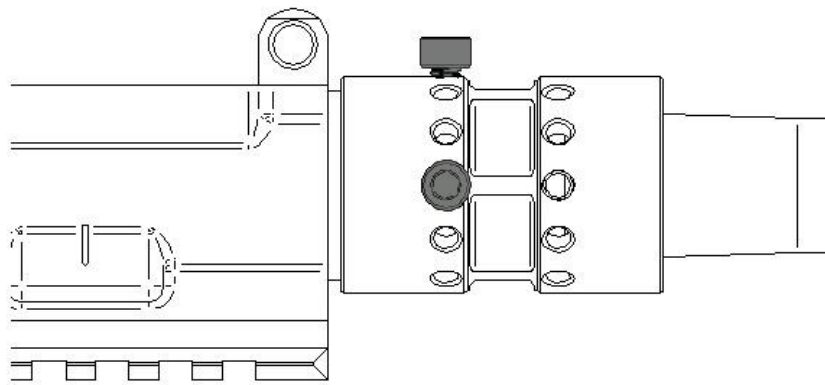
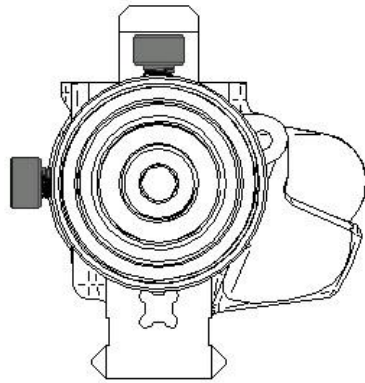


Fig. 1b. Use screws (highlighted) to assist alignment.

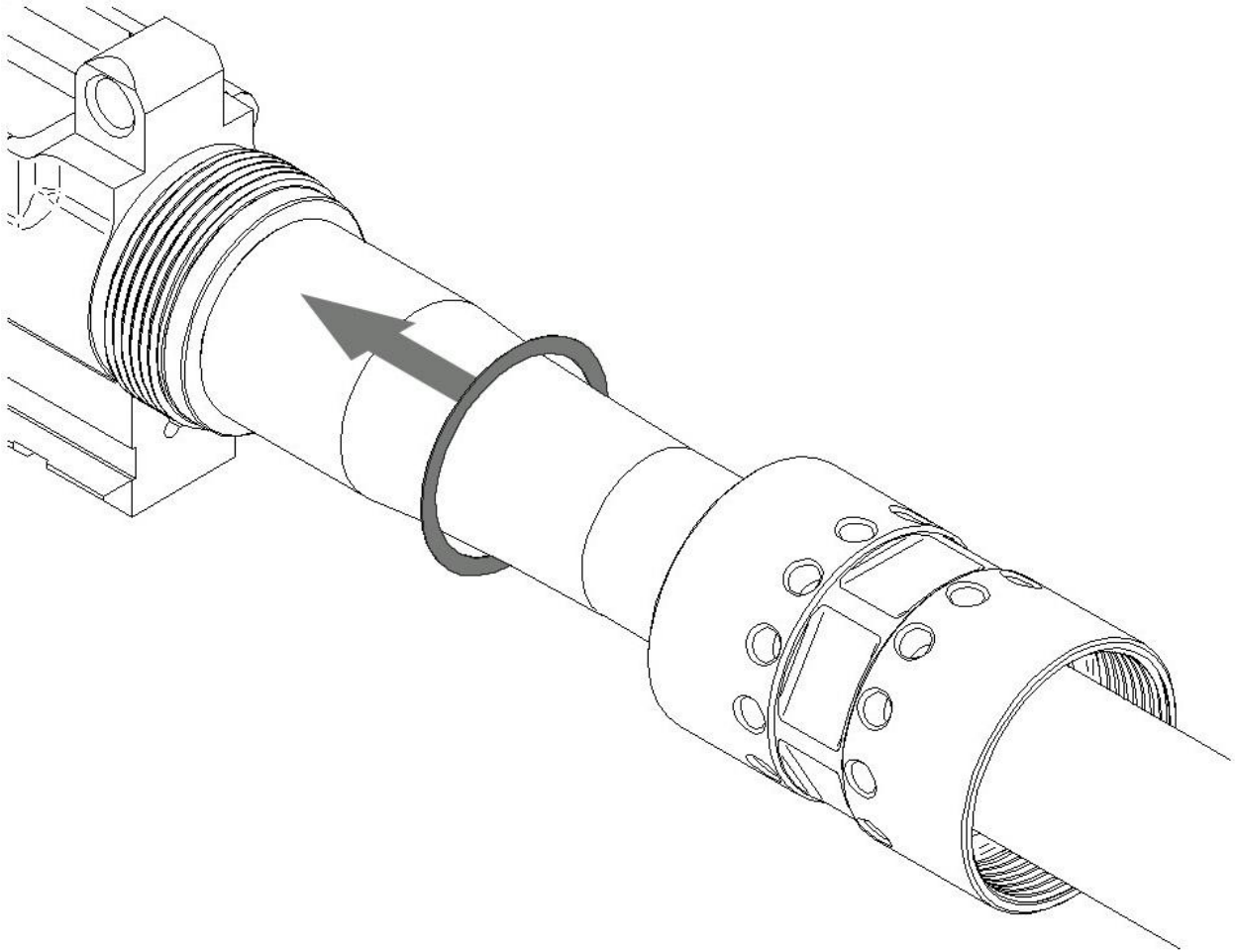


Fig. 1c

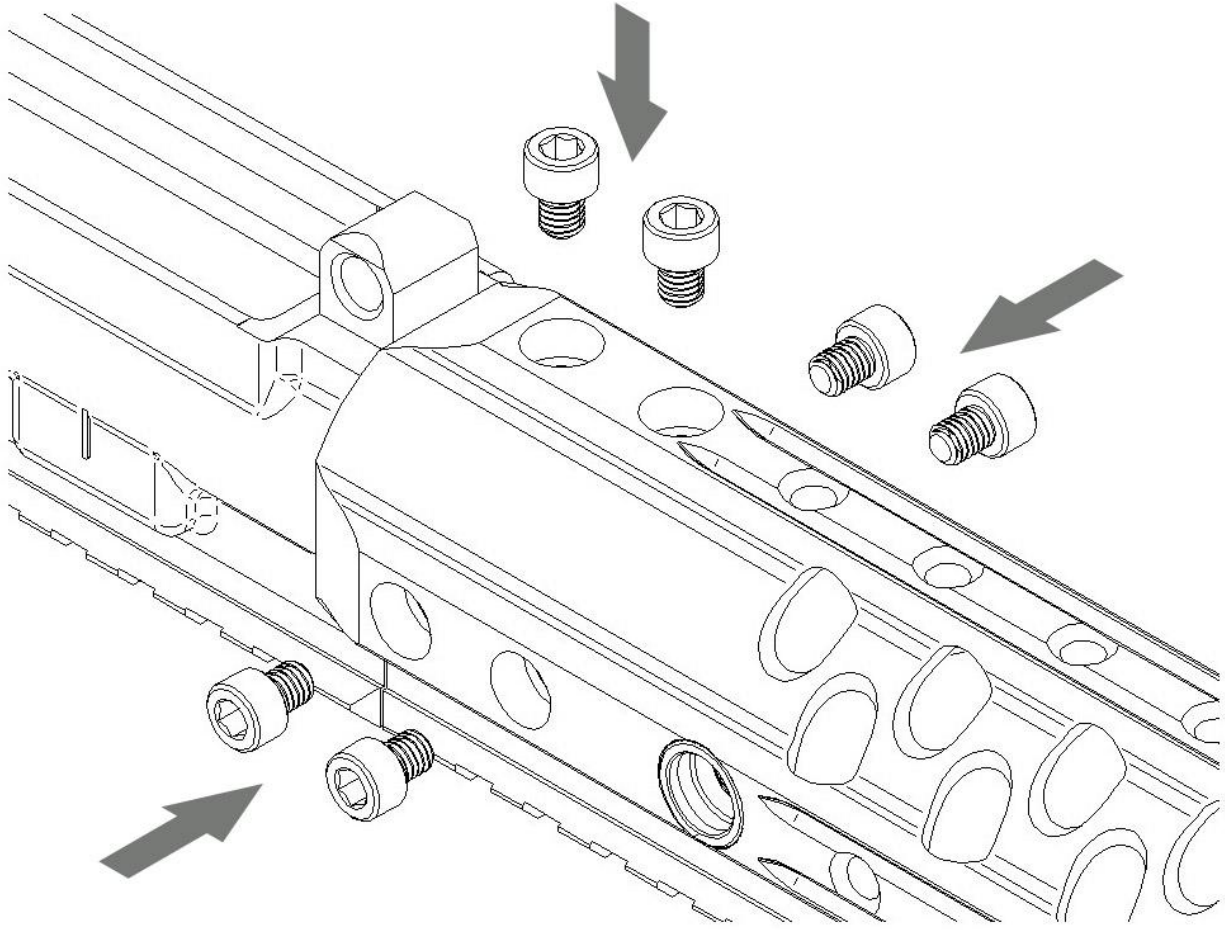


Fig. 1d

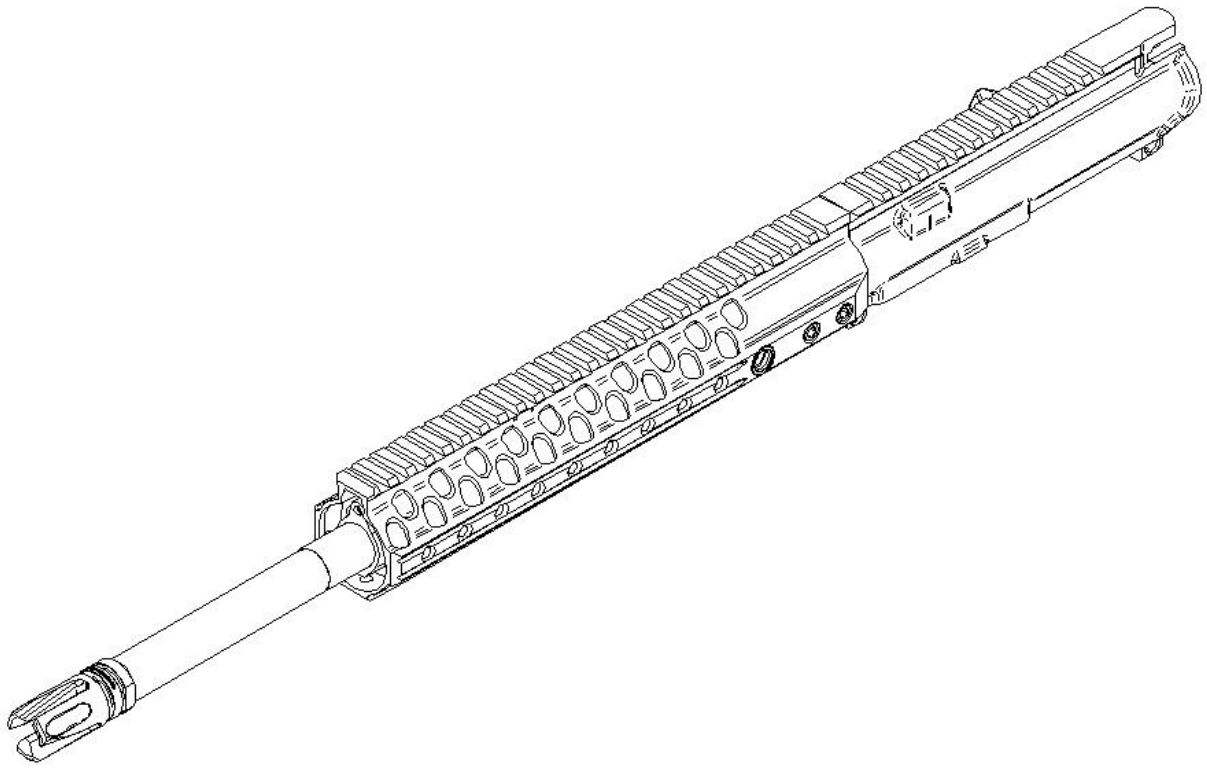


Fig. 1e