

## Exhaust Manifold Stud Replacement Kit DIY

### Tools needed:

(2) 13mm Box Wrenches

(1) 3mm Allen Key Wrench

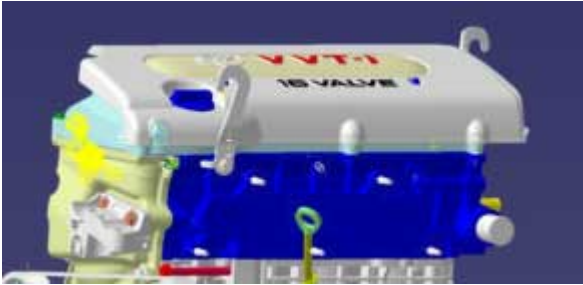
(1) Stud Removal Kit (Craftsman, Snap-On etc) OR (2) 8mm x 1.25 nuts

### Note:

This task is easiest performed with the cylinder head off of the vehicle on an engine or cylinder head stand. The other alternative for easy install would be with the alternator unmounted from it's current bracket for additional clearance. This task can be performed with everything mounted, but makes certain studs more difficult to install.

### Step 1:

Remove the exhaust manifold



### Step 2:

Notice the 5 studs located on the front of the cylinder head that held your header or turbo manifold to the head. Those are the studs that need to be removed. Depending on your availability of a stud removal kit, this is where the directions will vary.

**If you have the kit:** Proceed to remove the studs using the directions for your kit.

**If you DON'T have the kit:** You will be doing this the old fashioned way like my father taught me how to. Simply take (1) 8mm x 1.25 nut and thread half way on the one of the studs. Take the other 8mm nut, then thread that onto the same nut and make sure the 2 nuts are right backed up against one another. Now take your (2) 13mm box wrenches and put one on the first nut, and the other on the second nut tightening them against one another until you can not do it anymore. After their grudge-locked together, take the one wrench and place it on the nut closest to the block, and proceed to free the stud from the block! Simple as that. Repeat for all 5 studs.

### Step 3:

Now you're ready to insert the new studs into play! You have 1 of 2 ways to install them. They have the ability of using a 3mm Allen Key wrench on the head, or you can do the reverse method of what you used to un-install the studs. Choice is yours!

Thread the studs until the “broach” is beginning to be buried into the block and the stud does not turn any more. Proceed to install all 5 studs.

**Step 4:**

Once the studs are in place, you may put back on your header or turbo manifold. Then use the flat washers provided to go on to the stud. Lastly, tighten the 12 point nuts provided onto the new studs to affix your manifold to the newly installed studs! Enjoy

**Dezod Motorsports Team**  
**2008 rev1**