

How to tap the VE head to fit onto a DE block.

This is necessary to bring oil to the head to activate the VVL solenoids for the camshafts. As the DE block doesn't have the provision to route oil, this will show you how to do it using our oil line kit and some simple tools.

Tools Needed:

- Drill
- 1/8 NPT tap

Locate the hole in the side of the head. On the head mating side you will also see the hole where the head gets it's oil from the block of a VE motor. We will be plugging this hole, and drilling and tapping an existing hole to supply oil.



This hole was originally to mount the water pipe bracket. But it lines up perfectly with the oil gallery in the head.



So, drill this hole through. Be sure to clean it very well for any loose shavings. You don't want them making their way to the solenoids.



Then run your 1/8 NPT tap through there so we will be able to thread in the fitting. Using grease on the tap will help to keep shavings under control.



Then add fitting.



Now you should be able to just run the tap into the oil hole on the head mounting surface.



Once the tap has been run, install the plug.



This is what you will then have. (plug pictured is different than what we supply)



Install the head and then the oil line runs from where the oil sender installs into the block to your new fitting in the head.

You can either remove oil sender, or get an oil distribution block to retain the sender and run additional oil lines.