

Installing the Oil Cap kit in FE Power Clear Valve Covers

At the beginning of production, the FE Power clear valve covers were not available with an oil cap installed. Later, after development of a baffle system, this became an option. If you have one of the earlier clear valve cover sets, or have purchased one without the oil caps and now have decided to add them, this instruction sheet will show you how this can be done.

The photo below shows a plain clear valve cover with the oil cap kit parts underneath:



The kit includes the top ring which goes on the outside of the valve cover, the baffle plate which goes on the inside of the valve cover, and four flat head screws. The oil cap, not shown, is also included.



Performance Parts for Ford FE Engines

Start the installation by holding the baffle plate up underneath the valve cover, in the recess for the cap. Orient the baffle plate so that the slots machined into the plate are horizontal; this will minimize oil splash into the area under the cap. Once the plate is positioned properly, take a marker like a Sharpie and mark the location of the two top holes on the outside of the valve cover; see the two photos below:



Using a 13/64" drill, drill through the clear valve cover in the two marked spots. Then put two of the screws through the top ring, and put it into position on the outside of the valve cover. Use the other two holes of the top ring as guides, to drill the other two holes through the clear valve cover.

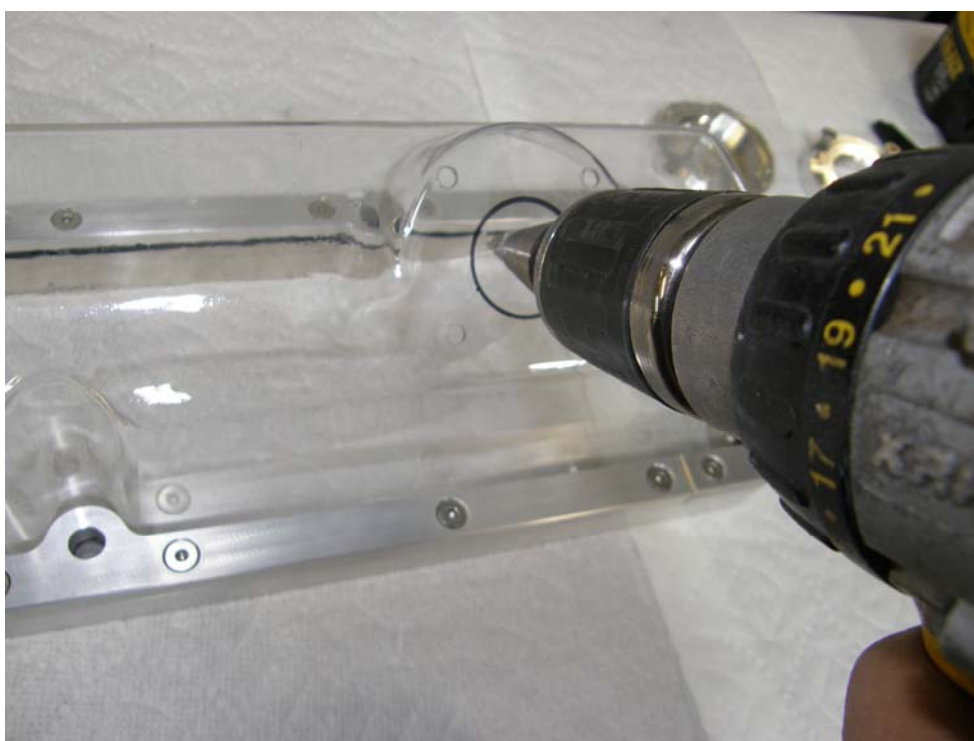


Position all four screws through the top ring. Using your marker or Sharpie again, draw a circle around the inside of the top ring. This material will be cut out of the clear valve cover.





Remove the top ring and screws. Using a step drill positioned in about the center of the marked hole, drill through the clear valve cover. Drill carefully and don't push too hard on the drill; let the step drill do the work.



After drilling all the way through with the step drill, use an abrasive cartridge roll and a die grinder to enlarge the hole out to the circle mark. Remove all the ink, going just a little outside the circle. Go slowly to avoid melting the clear plastic. Deburr the hole with a sharp knife when complete.



Before final assembly, sealer needs to be added around the holes in the valve cover. We have found that the only sealer that works well in this application is The Right Stuff from Permatex. Using a very thin bead, make a small circle of sealer around each screw hole, and connect them with beads of sealer to seal the larger hole:



Put the four screws through the top ring and carefully put the ring into place. Reach underneath to install the baffle plate. Look through the clear cover to line the holes in the baffle plate up with the screws from the top ring, and install all four screws loosely.



Tighten the screws and use a paper towel to wipe away any sealer that has squished out the side, or inside near the threads. Let this assembly dry for a day or so before installing the cap; otherwise, excess sealer on the threads could glue the oil cap in place.



The picture below shows the oil cap assembly with a cap installed; this cap has been fitted with a PCV valve.





If you have any questions regarding installation of this kit, please feel free to contact us. Thanks for your interest in this product.

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FE Power LLC makes every effort to ensure the quality of these products, and we will do our best to work with any customer who is not satisfied with this product, in order to resolve the situation. However, because of the small percentage of customers who abuse return or refund policies, **FE Power LLC sells these parts AS IS, with no warranty regarding quality, fit or finish, and no returns or refunds available.**