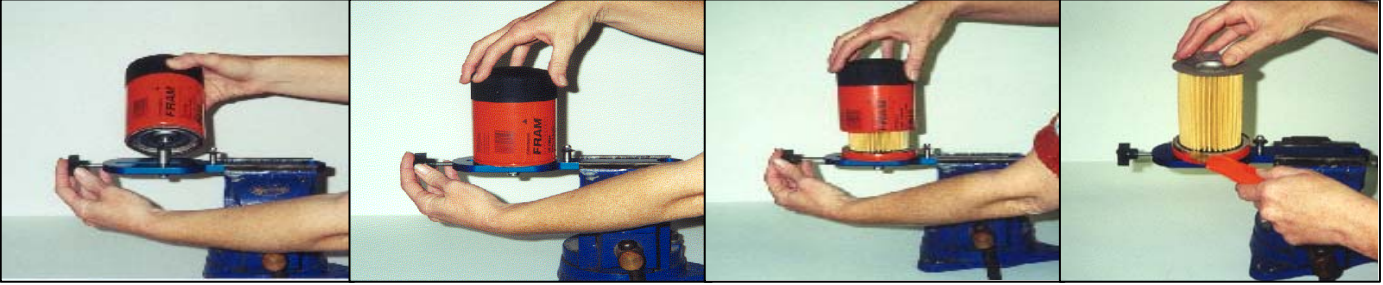


## OIL FILTER CUTTER INSPECTION TOOL



1. Place Oil Filter Cutter (OFC) in vise.  
2. Use correct stud/standoff for male or female filter.

3. After Oil Filter is drained place on stud.  
4. Rotate screw to move filter close to cutter.

5. Rotate filter while turning cutter screw, approx. 1-4 turn every revolution of filter, approx. 4 times.

6. TO VIEW: slice paper at base and top of filter to lay out filter element.



7. Filter element can be inspected by eye or using a magnifying glass.

8. To change studs for Aviation or Auto filter, place in vise to disassemble stud and standoff or cutter wheel.

9. Cutting filter by hand.

## Oil Filter Inspection

Oil and the oil filter are vital elements in keeping the oil that circulates in your engine clean. Most passenger cars use 6 quarts of oil. Some racing engines can use up to 18 quarts of oil.

Typically, in a street vehicle oil flows at about 3-4 gallons per minute. In a High Performance engine oil flows at 8-10 gallons a minute. This high flow requires heavy duty components and filters to compensate for additional flow requirements. Wix manufactures a filter that will withstand 110 to 115 PSI.

After the race, technically you should do a flow test of flow vs. restriction. Most racers usually can't afford or have time for this test. The next best test is actually cutting the filter open and visually checking it. Using the KRC oil filter inspection tool you can easily and quickly cut open any filter to inspect its paper cartridge and see what has actually been trapped inside. Many contaminants can be found by the naked eye such as silicon sealants, broken mechanical parts, worn materials, shop rags, and thread sealing materials.

Wix filters trap particles as small as .001. Most of the particles that you can see are in the 24-30 micron range. An inexpensive magnifying glass can be very useful in detecting problems. To get technical you should wash the contaminants onto a microscope slide. This can be purchased inexpensively at any toy store.

Wouldn't you like to be informed of problems before they happen? Kluhsman Racing Components will help you keep your cost to a minimum by this simple investment tool. We want to see you in the winners circle!

# OIL FILTER CUTTER INSPECTION TOOL

