



Models: 2004-06

YAMAHA YFZ 450 OILER MODIFICATION INSTALLATION TIPS

*Note; The following tech document will apply to YFZ 450 engines that have had the DRI oiler modification done to it. The oiler modification consists of a minor modification to the clutch cover and two minor modifications to the right side center case.



The purpose of this modification is to increase/enhance the oil that lubricates the pistons wrist pin and the top end of the connecting rod.

This modification works by allowing oil, under pressure to be squirted on these areas through the newly machined hole in the right side center case by the base gasket area.

It is always wise to check that the cases have been modified before assemble.



1. On the clutch cover look for an approximately 3/16 hole drilled directly behind the oil filter.
2. For mod 1 on the right side center case cover make sure boss with hole in it that is directly behind the oil filter has been counter bored to accept o-ring. See figure 1
3. For mod 2 on right side center case make sure an approximately 1/32" hole has been drilled into case above main bearing. (It will be pointing up towards top end of rod) See figure 2



*There is a slightly raised boss in the area of the case that this hole is drilled into.

Final Assembly

Before final assembly of the clutch cover and cylinder it is necessary to perform the following;

Blow compressed air through the hole on center case behind where oil filter goes. A steady stream of air should exit through the small hole above the main bearing.

An o-ring must be installed in the recessed areas in the right center case, behind where hole in clutch cover feeds oil into center case. See figures 3

Use Yamaha o-ring part # 93210-07135. DO NOT secure o-ring with any sealer (this could clog oiler hole)

But a fine coat of grease on o-ring to help secure it in place until clutch cover is installed.

* Failure to use this o-ring will cause oil pressure to leak down, minimizing the effect of the oiler mods objective. Lubricating the piston pin and small end of rod.



SPECIAL NOTE: If you have not had cases machined for this modification, DRI performs mod on disassembled cases and also on assembled motors with top end and clutch cover. Cost is \$ 75.00. Turn around time is less than 5 business days.

DRI would caution performing this modification on your own cases. Great thought has gone into correctly making jigs to perform drilling at proper angles and correct depths. Unfortunately this is not a modification that can be done free hand.

