

## Checking the Road Star Warrior's Motor Oil Level.

The Warrior is a dry sump machine so the oil level will 'read' wrong if you check it like it's a normal car or bike. Learn to properly 'read' the oil level until you get used to the differences in a dry-sump (no oil pan) versus a wet-sump (has an oil pan).

Here is a video produced by Yamaha illustrating exactly how to check oil level:  
<https://www.starmotorcycles.com/star/service/viewserVICETip.aspx?ls=star&yr=2003&lid=2&mid=61&tid=8>

If you miss a step it'll read wrong and it could get messy.

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The amount of motor oil installed during oil changes varies. Here's why:

1. If you have disassembled your motor then see the service manual for the correct amount of oil and filling procedure.
2. If you drained your oil from BOTH 17mm drain plugs then removed your oil filter and installed a new stock-size filter, then 4.3 Liters would be close to the right amount (but you have to check).
3. But, if you drained your oil from BOTH 17mm drain plugs then removed your oil filter (and installed the oil filler cap) and cranked the motor over for 2-seconds to pump out more of the old oil, then installed a new stock-size filter, then 4.7 Liters would be close to the right amount (but you still have to check).
4. On the other hand, if you drained your oil from BOTH 17mm drain plugs then removed your oil filter (and installed the oil filler cap) and cranked the motor over for 2-seconds to pump out more of the old oil, and then you then installed a new longer-than-stock-size filter, then 4.9 Liters would be close to the right amount (but you still have to check).
5. Some guys report exactly 5 US quarts (4.7 Liters) fills it perfectly after an oil change using a stock length oil filter. Sometimes that is too much. I always have about 2 ounces left in the final quart when the level reads full, and I use a longer-than-stock oil filter.
6. In all cases, you put in about half the oil then install the oil filler cap and run the motor for a few seconds, shut it off, then fill the rest. The exact specs are in the Service Manual.
7. If you install too much oil it might be forced out of the crankcase vent tube. What happens after that depends on where that tube exits. Stock, it goes into the undertank airbox. Modified, it might exit under the fuel tank or at the swing-arm.