



Small Engine Oil Change

The following instruction will work for most all Vertical style motors that are found in ATV's, Dirt Bike, Pit Bikes, Go-Karts, etc.

Things You Will Need:

- 17mm Socket
- Socket Wrench
- Oil Drain Pan
- Shop Towels Or Paper Towels
- One Quart (800ml) Of Motorcycle-Grade Oil

Park in a well-ventilated level work area. Start the engine and let it warm up for three minutes, then stop the engine. Let the engine oil settle for five minutes.

Unscrew the oil cap from the engine located on the right side of the motor, right side being as if you are sitting on top of the motor facing forward.

Unscrew the oil drain plug from the bottom of the engine using a 17 mm socket and a socket wrench. Let the engine oil drain into an oil drain pan for 10 minutes or until the oil flow reduces to a drip. Wipe the engine drain hole with a towel.

Clean the drain plug's tip and threads with a towel. Screw the drain plug into the engine by hand, then tighten the plug snugly with the 17mm socket and wrench, **DO NOT OVERTIGHTEN**.

Place a funnel into the filler neck on the right side of the engine. Pour 800ml (almost one quart) of SAE motorcycle-grade engine oil into the engine, then remove the funnel and wipe away any spilled oil with a towel. Screw the oil cap into the filler neck.

Start the engine and let the fresh oil warm for three minutes, then stop the engine and let the oil settle for another five minutes.

Unscrew the oil cap and wipe the cap's dipstick clean with a shop towel. Re-insert the dipstick into the engine until the cap threads touch the top of the filler neck, do not thread it in. Pull the dipstick out and take note of the oil level in relation to the upper and lower marks on the dipstick's tip. Ideally, the oil level should be just below the upper mark. Add one to two ounces of oil into the engine to raise the oil level as needed. Clean the dipstick and screw the oil cap into place.

Tip – If your engine did not come with a magnetic oil plug we recommend you purchase one. A magnetic drain plug catches metal engine filings that can harm your engine's internal components. They can usually be picked up for under \$12 and that is cheap insurance for your motor.