

# How to Change the Engine Oil

## BF2D • BF2.3D/DH Outboard Motors

Follow the instructions below to change the engine oil in your BF2D or BF2.3D/DH outboard motor. Honda Marine recommends using Honda 10W-30 FC-W (or equivalent) engine oil with an API service category of SG, SH, or SJ. After initial break-in, the engine oil should be replaced every 6 months or 50 hours of use (whichever comes first). Refer to the *Maintenance Schedule* in your Owner's Manual for more information.

If you are not comfortable changing the oil using the instructions below, contact an authorized Honda Marine Dealer for assistance. Visit [marine.honda.com](http://marine.honda.com) to find a dealer near you, or call Honda Customer Relations at 770-497-6400.

1. Move the fuel valve lever to the OFF position, and then turn the fuel cap vent knob to the OFF position.



2. Remove the outboard motor from the boat's transom.



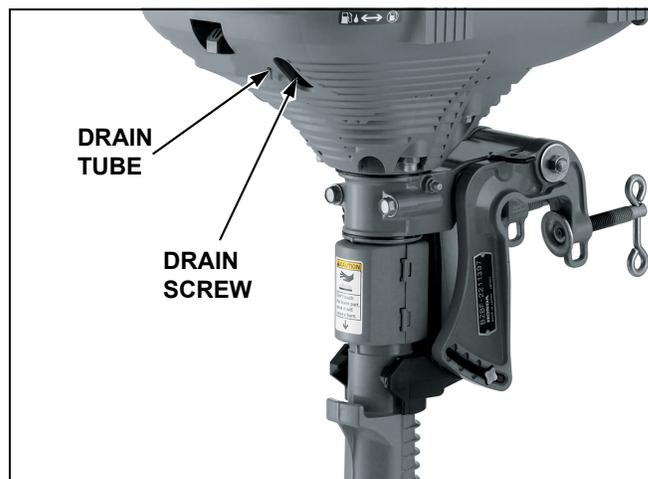
3. Remove the motor cover.
  - a. Unlatch the rubber strap by pulling it down and away from the motor.
  - b. Lift the cover off of the motor.



4. With the outboard motor in an upright position, loosen the carburetor drain screw by turning it counterclockwise with a small flat-tipped screw driver, and drain the fuel out of the carburetor drain tube into an approved container.

**NOTICE**

*Failure to drain the fuel from the carburetor before draining the engine oil may cause fuel to enter the combustion chamber causing engine damage.*



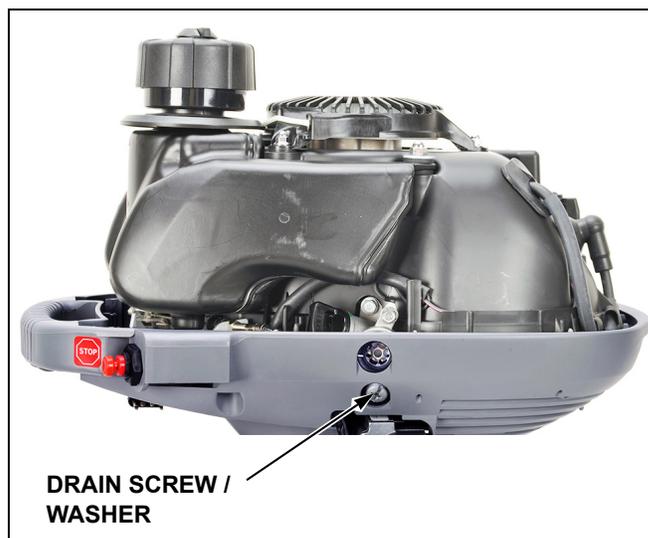
5. Drain the oil from the engine into an approved container by removing the oil drain screw and washer, and then slightly tipping the outboard motor on its side so the oil drain hole is pointing down.

We suggest wearing nitrile gloves to protect your hands and facilitate clean-up.

NOTE: For your convenience, a water hose joint (P/N 19271-ZV1-810) can be threaded into the oil drain hole. Add a small length of hose to the water hose joint to make it easier to drain the oil.

**NOTICE**

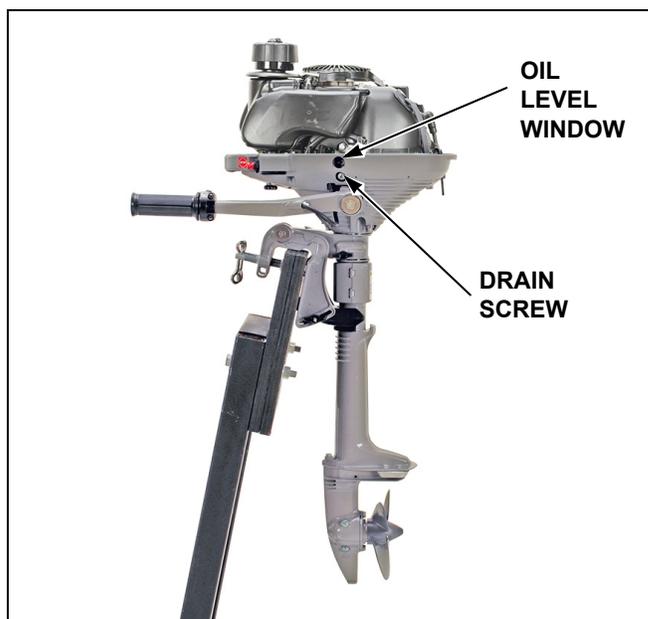
*Improper disposal of engine oil can be harmful to the environment. If you change your own oil, please dispose of the used oil properly. Put it in a sealed container, and take it to a recycling center. Do not discard it in a trash bin, dump it on the ground, or pour it down a drain.*



6. Re-install the outboard motor on the centerline of the boat's transom.

Refer to the *Installation* section of your Owner's Manual for more information about mounting the outboard motor onto your boat.

The outboard motor must be **perfectly level** to achieve the proper oil level. If the outboard motor is slightly tilted while adding engine oil, the oil level window will display an incorrect oil level.

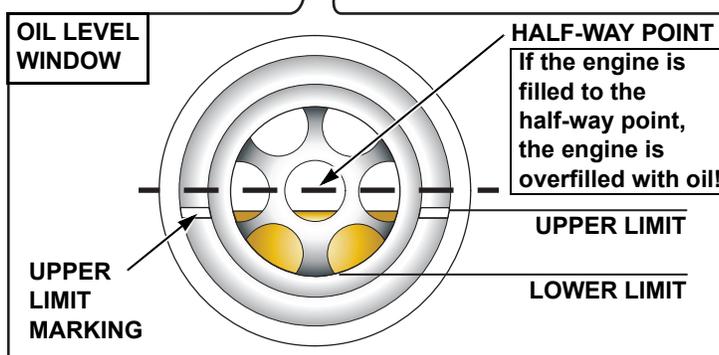


7. Reinstall the oil drain screw and a **new** washer.
8. Add the recommended oil to the upper limit mark on the oil level window.

It may take several seconds for the oil level in the window to stabilize after adding oil. Slowly pour oil into the engine in small increments, allowing the oil level to stabilize before adding more oil.

**DO NOT OVERFILL!** Overfilling the engine will cause it to smoke or have oil leaks.

The upper limit mark is **below** the half-way point in the window. If the oil level reaches the middle of the window, the engine is overfilled with oil.



9. Reinstall the oil filler cap and tighten it securely.
10. Reinstall the motor cover.
  - a. Place the cover onto the outboard motor.
  - b. Latch the rubber strap by pulling it down and onto the hook on the motor case.

