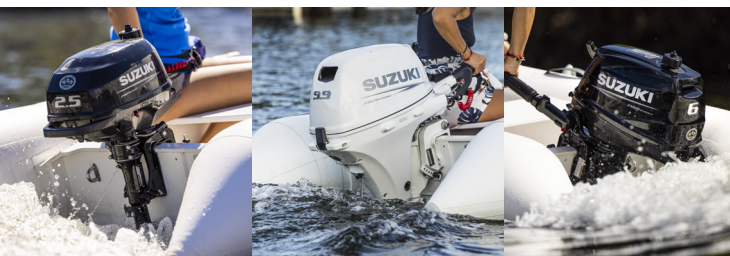




PORTABLE ENGINE QUICK REFERENCE



Follow these **5 steps** before operating your **NEW Suzuki** outboard engine.

IMPORTANT...

Due to shipping requirements, **your new engine has no engine oil**. You must fill the engine with oil before starting the engine. All Suzuki engines ship with gear oil present in gearcase, but always check to ensure gearcase is filled completely before operation. Failure to add oil as instructed in your Owner's Manual will result in severe damage to your new motor.

1. ADD ENGINE OIL

Place the motor in a vertical position and remove the motor cover by unlocking the lock lever.

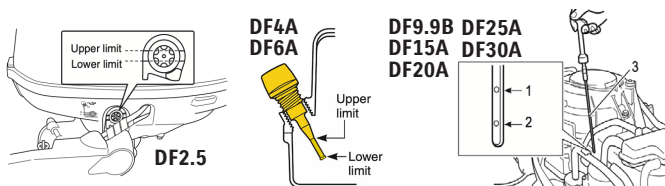


1. Add Marine Engine Oil

Remove the yellow engine oil filler cap and fill with ECSTAR™ Suzuki Marine FC-W 4-Cycle Engine Oil.

2. Check Engine Oil Level

Check the oil level using the procedure outlined in the Owner's Manual to confirm the oil level is between the marks for the specific engine type.



Engine Oil Capacities

DF2.5	0.38 L / 0.40 quart
DF4A DF6A	0.7 L / 0.74 quart
DF9.9B DF15A DF20A	1.0 L / 1.1 quart
DF25A DF30A	1.5 L / 1.6 quart



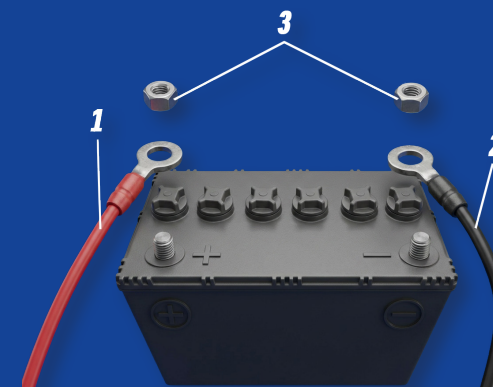
ALWAYS check the engine oil level before each trip and add engine oil if necessary.

2. INSTALL BATTERY

Battery Requirements*

Use only starting-type lead-acid or AGM battery. No gel, no deep-cycle, no lithium. Do not locate fuel tank and battery near each other or in the same compartment.

Add a protective cover to the red positive cable (1) post. Always connect the black ground cable (2) last and disconnect black ground cable first. Only use hex nuts (3) on engine batteries, never use wing nuts.



Minimum Requirements

DF9.9B DF15A DF20A:	450 MCA or 330 CCA
DF25A DF30A:	650 MCA or 512 CCA

*Not all portable outboard motors require a battery.

3. CHECK GEAR OIL

Gear Oil Capacities

DF2.5	0.07 L / 0.07 quart
DF4A DF6A	0.19 L / 0.20 quart
DF9.9B DF15A DF20A	0.25 L / 0.26 quart
DF25A DF30A	0.33 L / 0.35 quart

Check the gear oil level by removing the gear oil level plug (1). If oil is not visible, add oil through the gear oil drain plug (2) until oil begins to overflow from the oil level hole. Use Suzuki ECSTAR™ Outboard Motor Gear Oil or use SAE 90 GL-5 hypoid equivalent.

E15 BLENDED FUEL IS NOT APPROVED

Environmental Protection Agency (EPA) regulations prohibit the use of E15 fuel in engines not designed to run E15 fuel. E15 fuel is readily available at land-based gasoline stations, but is prohibited for use in outboard motors. Temporary EPA waivers to extend seasonal sales of E15 this year do NOT include the use of E15 in boat motors.

4. ADD FUEL



Fuel Octane

87 Octane ((R+M)/2) (Up to 10% Ethanol, no E15)

Best performance using ethanol-free gasoline. Use fresh fuel only. Dispose of stale fuel properly.



Internal Fuel Capacity

DF2.5 - 0.9 L / 0.24 GAL

DF4A / DF6A - 1.0 L / 0.26 GAL



Portable Fuel Tank

When using a portable tank, remove the tank from the boat during filling.

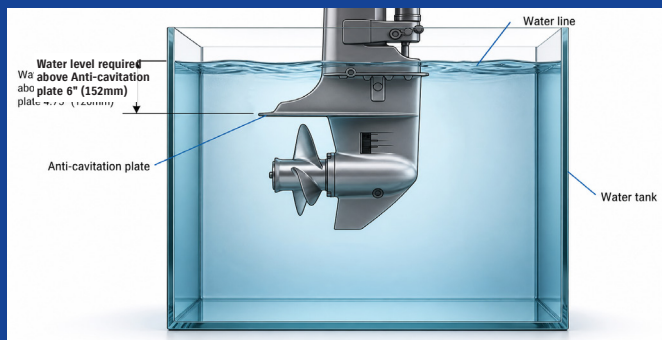


WARNING...

When connecting the fuel hose to the portable tank or motor, the fuel may be under pressure and may spray around the connector. Before connecting the fuel hose, loosen and retighten the fuel tank cap once to relieve the fuel pressure in the fuel tank by first pressing the release tab.

5. FLUSH THE ENGINE

NOTICE: DF9.9B/15A/20A - If this procedure is not followed at first start-up or after winter storage, damage can occur to the water pump. Place the motor in a tank where the water level can be at least **6 inches (152MM)** above the anti-ventilation plate for a few minutes. This will allow water to fill the water pump assembly prior to starting the engine. Running a water pump when dry heats the impeller.



1 DF2.5

Put engine in a large water container and fill about 5 inches above ventilation plate. Engine must remain in neutral. Keep people away. Idle engine for 5 minutes. Remove engine from water then let it stand vertical until water has drained.

2 DF4A / DF6A

Put engine in a large water container and fill about 5 inches above ventilation plate. Idle for 5 minutes. Engine must remain in neutral and with prop removed. Keep people away. Remove from water, leave vertical until drained.

With optional flush attachment - Remove plug and add flush attachment. Connect garden hose, do NOT start the engine. Flush for 5 minutes, then leave engine vertical to drain.

3 DF9.9B / DF15A / DF20A / DF25A / DF30A

Engine remains OFF. In a vertical position, remove the plug from the flush port. Install a garden hose, turn on water for 5 minutes. Remove the hose and let the engine drain.

MAINTENANCE SCHEDULE

It is important to inspect and maintain your outboard motor regularly. Follow the chart below.

At each interval, be sure to perform the indicated services. Maintenance intervals should be judged by number of hours or number of months, whichever comes first.

Interval	Initial 20 hrs. or 1 month	Every 100 hrs. or every 12 months	Every 200 hrs. or every 12 months	Every 300 hrs. or every 36 months	Off season (long-term storage)
Item to be serviced					
Spark plug		I			I
Breather/fuel line	I	I			I
Engine oil	R	R			R
Gear oil	R	R			R
Lubrication	I	I			I
Anodes (external)	I	I			I
Anodes (internal powerhead)		I			
Bonding wires	I	I			I
* Wiring harness/connector	I	I			I
* Remote control	I	I			I
* Power tilt	I	I			I
* Battery	I	I			I
* Engine oil filter	R		R		
* Low pressure fuel filter	Replace every 400 hours or every 2 years.				
* Timing belt	Replace every 4 years.				
* Idle speed	I		I		I
* Valve clearance			I		
* Water pump	I		I		I
* Water pump impeller			I	R	I
* Propeller/propeller nut/pin	I&T	I&T			I&T
* Bolts/nuts	T	T			T
* Thermostat		I			I

I=Inspect / R=Replace / T=Tighten / I&T=Inspect and tighten



Suzuki Marine USA, LLC, requires you to read your Owner's Manual before operating this equipment.

The Owner's Manual includes break-in procedures, maintenance schedules, and personal safety instructions that are essential to outboard engine operation.