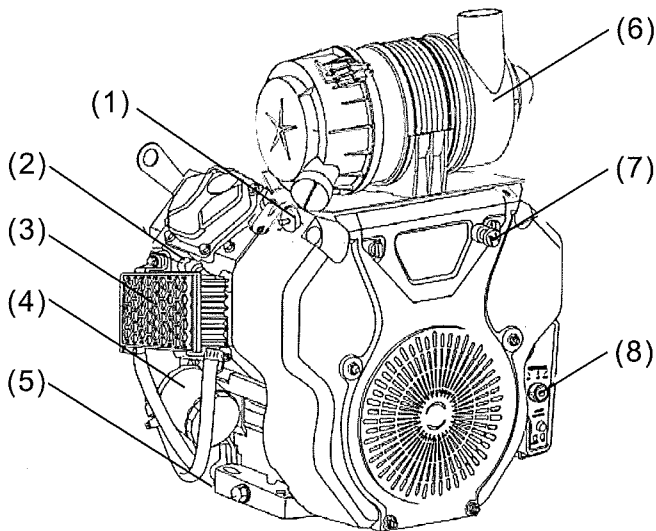


Owner's Manual

LC2V78FD-1
LC2V78FD-2

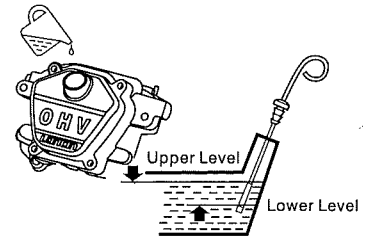
Part and Component Names



- (1) Fuel filter
- (2) Spark plug
- (3) Oil cooler
- (4) Fine oil filter
- (5) Oil drain bolt
- (6) Air cleaner
- (7) Chock valve
- (8) Engine switch

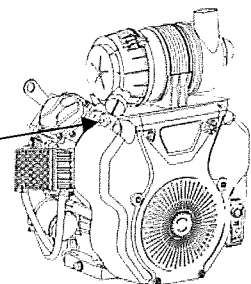
Preparations Before Operation

- Fill the tank with 1.5 L oil for the first time, check oil volume every time later and add oil according to the up line of oil volume.

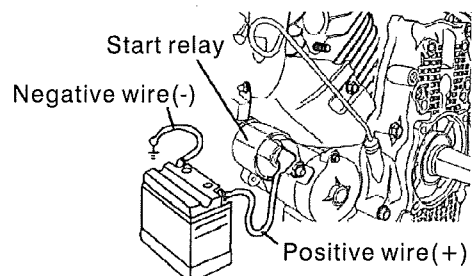


- Connect the gasoline tank

This is the oil tube to connect gasoline tank



- Connection between Batteries and the engine:
Connect the positive wire of batteries to one of wiring terminals of the starting relay.
The negative pole of batteries is to be grounded.

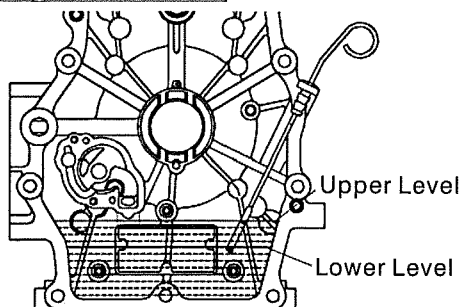


Check Before Operation

Routine Inspection

- Observe the leakage of engine oil and fuel.
- Observe damage.
- Check guard cover and cap position, and the tightness of screw, bolt and nut.

Check Engine Oil



- When the engine oil level is lower than the safe line, the engine protecting system will stop the engine automatically. To avoid engine stalling accidentally, check the oil level before starting the engine each time.

Check Air Cleaner

- Remove the air cleaner case to check the element, clean or replace, if necessary.

Maintenance

Replace Oil In Crankcase

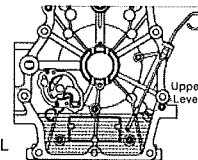
Take off the oil filler cap and remove the oil drain bolt and washer.

After draining the engine oil, fit on the oil drain bolt and washer and tighten them.

Place the engine in level position, refill recommended oil to the upper level.

Reinstall the oil ruler and tighten filler cap

The filling capacity of the engine:
Not replace fine oil filter: 1.1L
Replace fine oil filter: 1.4L



Maintain Air Cleaner

NOTICE In the case of no element or element damaged, the dust will be sucked into the engine and result in rapid wear of the engine.

Unscrew the cap nut, and remove the case.

Remove the outer and inner air cleaner element.

Separate the outer and inner air cleaner element.

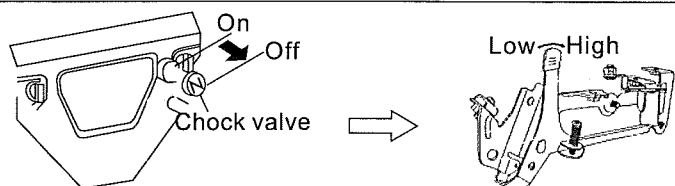
Check the air cleaner element and replace them if there is any damage.

Install the outer cover of air cleaner and button the clip

Fix the outer and inner elements again

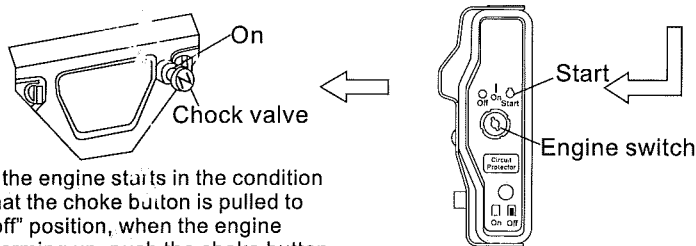
Clean the outer cover

Start Engine



When cold start is performed, the choke button must be "off" position. When hot start is done, the choke button must be "on" position.

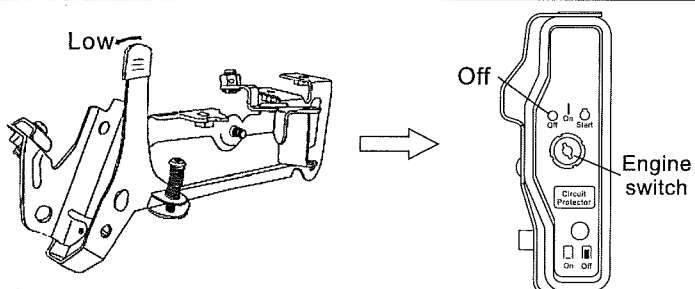
Regulate the position of the regulation lever from "low" to "high", and stop it at 1/3 from the "high" speed.



If the engine starts in the condition that the choke button is pulled to "off" position, when the engine warming up, push the choke button gently to "on" position. If hotstart is done, the choke button is kept in "on" position.

Turn the engine switch to "Start" position.

Stop The Engine



Place the speed regulating handle toward "Low".

Close the engine switch.

Troubleshoot

The engine can't start

- Check whether oil has entered into the carburetor.
- Plug out the spark plug cap and check whether it ignites.
- Check whether the oil level is too low.
- Check whether the cylinder pressure is normal.

Single-cylinder combustion of the engine

- Check whether the igniter ignites.
- Check whether the spark plug is wetted and blocked by carbon, whether the distance of electrodes become narrower.
- Check whether the air valve clearance is correct.

The engine burns engine oil

- Check the oil volume to make sure that the oil level is not above the calibration of the dipstick.
- Check whether the reed valve works normally (whether the reeds fit properly and can reset freely).
- Check whether the piston ring is worn.

Take out the storage battery for flameout after starting the engine

- Check whether there is electric output from the charge coil.
- Check whether the capacitor in the start control box is damaged.
- Check whether the rectifier module is damaged.

The engine can't stall

- Check whether the magnetic valve of the carburetor is damaged.
- Check whether the wire connecting the flame out isolator and the igniter comes off.

Insufficient power of the engine

- Check whether the engine is in single-cylinder combustion.
- Check whether the rotating speed of the engine is too low (the working rotating speed is around 3600 revolutions).
- Check whether the air valve clearance is correct (the inlet air valve clearance is 0.1-0.15mm, the outlet air valve clearance is 0.15-0.2mm).