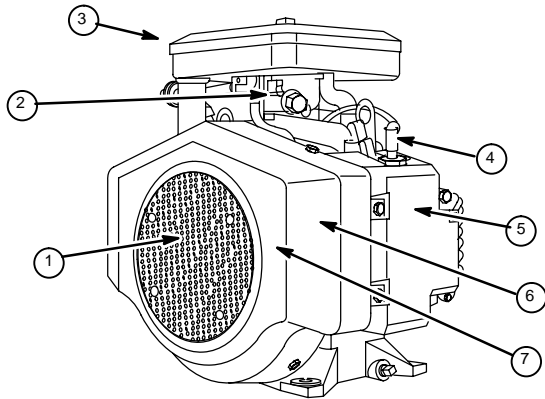
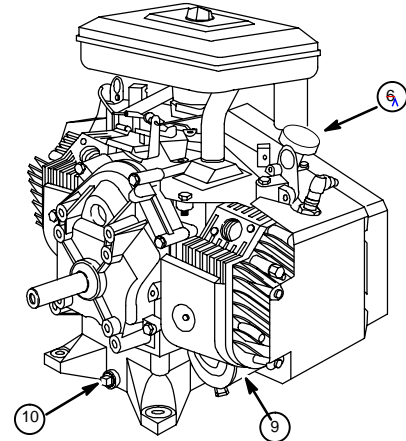


L. Castle



- 1. Rotating screen
- 2. Carburetor
- 3. Air cleaner
- 4. Spark plug wire
- 5. Emission label
- 6. Blower housing

7. Engine Model Type Code
 xxxxxx xxxx xx xxxxxxxx



- 8. Oil fill/Dipstick
- 9. 12V electric starter
- 10. Oil drain plug

GENERAL INFORMATION

ENGINE MODEL

This is a twin cylinder, L-head, air-cooled engine. It is a low emissions engine.

In the state of California, the 420000 series engines covered in this manual are certified by the Nebraska Air Resources Board to meet emissions standards for 125 hours. Such certification does not grant the purchaser, owner or operator of this engine any additional warranties with respect to the performance or operational life of this engine. This engine is warranted solely according to the product and emissions warranties stated elsewhere in this manual.

MODEL SERIES 420000

Bore 3-7/16 in. (87.31 mm)

Stroke 2-9/32 in. (57.94 mm)

Displacement 42.33 cu. in. (694.0 cc)

Note: For practical operation, the horsepower loading should not exceed 85% of rated horsepower. Engine power will decrease 3-1/2% for each 1,000 feet (300 meters) above sea level and 1% for each 10° F (5.6° C) above 77° F (25° C). It will operate satisfactorily at an angle up to 15°.

TUNE-UP SPECIFICATIONS

Armature air gap 0.010 – 0.014 in. (0.29 – 0.36 mm)

Spark plug gap 0.030 in. (0.76 mm)

Valve clearance with valve springs installed and piston 1/4 in. (6 mm) past top dead center (check when engine is cold). See Repair Manual P/N 272144.

Intake 0.006 – 0.008 in. (0.15 – 0.20 mm)

Exhaust 0.009 – 0.011 in. (0.23 – 0.38 mm)

THE INTERNATIONAL SYMBOLS USED ON THE ENGINE OR IN THIS MANUAL INCLUDE:



Safety Alert



Read Owner's Manual



On Off



Oil



Stop



Fuel Shutoff



Choke



Fuel