

LESSON NOTES-8

School: PENANG SANGAM HIGH

Year/Level: 12C/D

Subject: APPLIED TECHNOLOGY

Strand	AT 12.5 MACHINES AND ENGINES
Sub Strand	AT 12.5.1. Motorised Machines and Engines.
Content Learning Outcome	AT12.5.1.1. Demonstrate knowledge of parts, functions and safe use of motorized static machines.

SERVICING OF SMALL ENGINE MULFUNCTION

Servicing small engines means performing routine maintenance or repair work.

Some small engine parts you can service are:

- Air cleaner
- Fuel tank
- Fuel line

Carburetor

A carburetor mixes fuel and air in the correct proportion for use by the engine.

There are three types of carburetors commonly used in small engines are:

- Natural draft
- Up draft
- Down draft

Governors

A governor is a device that controls the speed of the engine as the load changes.

A mechanical governor responds to the centrifugal force created by the engines revolution.

Repairing Ignition System

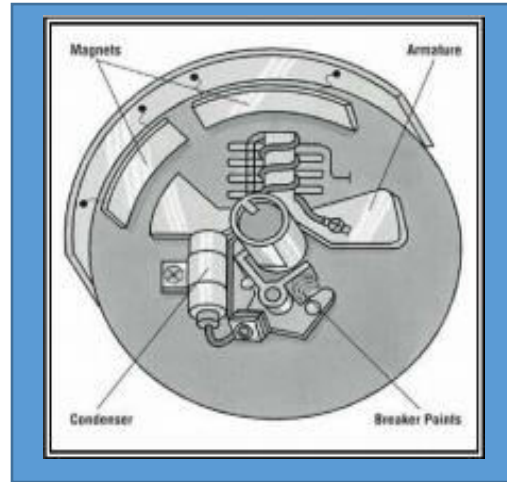
In ignition system in a small engine produces and delivers the high- voltage spark that ignites the fuel-air mixture to cause the combustion.

Servicing Non- battery ignition system.

A magneto applies magnetism to supply electricity in ignitions where there is no battery.

Steps to service magneto type ignition system.

- Service magneto
- Service ignition controller
- Service spark plug(s)
- Service fly wheel



SHORT ANSWER QUESTIONS

1. State one purpose of servicing small engines.

2. What is the cause of combustion in a small engine?

3. Define the term carburetor.

4. Name any two types of carburetor in a small engine.

5. Explain the function of magneto in non-battery ignition system?

THE END