#### MAINTENANCE AND REPAIR INSTRUCTIONS

#### NOTE: It may be medessary to experiences at the found cap to reinstall. Million made #885-per

CONSTRUCT.



Replace the fuel cap. if it was removed.



Fig. 29



Fig. 3-3:

#### CARBURETOR ADJUSTMENT



WARNING: The cutting attachment may spin during idle speed adjustments. Wear protective ciothing and observe all safety instructions to prevent serious personal

The idle speed of the engine is adjustable. An idle adjustment screw is reached though a hole

in the top of the engine cover (Fig. 31).

**NOTE:** Careless

adjustments can seriously clambace your

unit. An All Michael Services



service dealer should make carburetor adjustments.

#### Check Fuel

Old fuel is usually the reason for improper unit performance. Drain and refill the tank with fresh fuel prior to making any adjustments. Refer to Oil and Fow Information.

#### Clean Air Filter

The condition of the air filter is important to the operation of the unit. A dirty air filter will restrict air flow. This is often mistaken for an out of adjustment carburetor. Check the condition of the air filter before adjusting the idle speed screw. Refer to Air Filter Maintenance.

#### Adjust Idle Speed Screw

If, after checking the fuel and cleaning the air filter, the engine still will not idle, adjust the idle speed screw as follows:

- Start the engine and let it run at a high idle for a minute to warm. up. Refer to Starting/Stopping Instructions.
- Release the throttle trigger and let the engine idle. If the engine stops, insert a small phillips or flat blade screwdriver into the hole in the air filter/muffler cover (Fig. 31). Turn the idle speed screw in, clockwise, 1/8 of a turn at a time (as needed) until the engine idles smoothly.

Checking the fuel, cleaning the air filter, and adjusting the idle speed should solve most engine problems. If not and all of the fioliowing are true:

- · the engine will not idle
- · the engine hesitates or stalls on acceleration
- there is a loss of engine power.

Have the carburetor adjusted by an authorized service dealer.

#### ROCKER ARM CLEARANCE



WARNING: To prevent serious personal injury, make sure the cutting attachment has stopped rotating before you turn it off and set it down.

This requires disassembly of the engine. If you feel unsure or unqualified to perform this, take the unit to an authorized service center.

NOTE: Inspect the valve to rocker arm clearance with a feeler gauge after the first 10 hours of operation and then every 25 hours of operation thereafter.

 The engine must be cold when checking or adjusting the valve. clearance.

- · This task should be performed inside, in a clean, dust free area.
- Remove the multier cover by pressing closen on it. separating it from the engine cover. Using a flat blade accessoristic lives. disences e the middle and front. table and slots first. The cover will hinge off from the year tab-(Flo. 32).
- Remove the two (2): signeyes on top of the engine cover with a Flat-bead or T-25 Tors a crewdriver (Fig. 33).
- Remove the screw behind the engine cover (Flg. 34).
- Disconnect the spark plug wire.
- Clean dirt from around the spark plug. Remove the apark plug from the cylinder head by flumning a 5/8 in. modified
- counterclockockwise. Remove the engine cover (Fig. 33).
- Clean dist from around the rocker aim cover. Plannove the screw holding the racker arm 2 cover with a large flat. blade screwdriver or Torric T-25 tort (Flig. 35)... Flemove the rocker arm cover and gasket.

Phone Front Tab Stillmen B. Tarte Mildde Shot-Front Stot Fig. 32 Top View Of The Engine Eingline Cover Remove Screws Mouthlest Fig. 33. Secure of the least

Fig. 34



Pull the starter rope slowly to bring the piston to the top of its. travel, (known as top dead center). Check that:

Eingline Cover

 The piston is at the top of its travel while looking in the spark. plug hole (Fig. 36).

Rocker Arm Cover

Signaturily.

Hole

Photo

- Both rocker arms. move freely, and both valves are climand If these statements are not true, repeat this step.
- 9. Slide the feeler gauge between the rocker arm and the

Endounces to Additionation on North Feeler Gauge Electronium to CO resourcement and 000-006 in-(J076-0, 152 minn) I El self-concept? Instalce Clearamper Walver Steens @03-006 in-4.0/76-0.152 month Sintakie Walve Steren Fig. 307

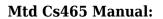
valve return apring. Measure the clearance between the valve stem and rocker arm (Fig. 36). Measure both the intake and enginess and walk-year.

The recommended clearance for the intake and exhaust is .003 -.006 in. (.076 - 0.152 mm). Use a standard automotive feeler gauge at .005 in. (0.127mm). The feeler gauge should slide between the rocker arm and valve stem with a slight amount of resistance, without binding. Figure 37 shows how to measure the dearance.

- 10. If the dearance is not within specification:
- a. Turn the adjusting nut using a 5/16 inch (8 mm) wrench or nut driver (Fig. 36).

# **Mtd Cs465 Manual**

# **N Noddings**



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