

# PILOT SCREW ADJUSTMENT

## IDLE DROP PROCEDURE

### ▲WARNING

- *If the engine must be running to do some work, make sure the area is well-ventilated. Never run the engine in an enclosed area.*
- *The exhaust contains poisonous carbon monoxide gas that may cause loss of consciousness and may lead to death.*

### NOTE:

- Make sure the carburetor synchronization is within specification before pilot screw adjustment (page 3-16).
- The pilot screws are factory pre-set. Adjustment is not necessary unless the carburetors are overhauled or new pilot screws are installed.
- Then engine must be warm for accurate adjustment. Ten minutes of stop-and-go riding is sufficient.
- Use a tachometer with graduations of 50 min<sup>-1</sup> (rpm) or smaller that will accurately indicate 50 min<sup>-1</sup> (rpm) change.

1. Turn the pilot screw clockwise until it seats lightly, and then back it out to the specification given.

### CAUTION:

*Damage to the pilot screw seat will occur if the pilot screw is tightened against the seat.*

### TOOLS:

#### Pilot screw wrench

Except SW type	07908-4730002 or
SW type	07KMA-MS60101 with 07PMA-MZ20110

#### INITIAL OPENING:

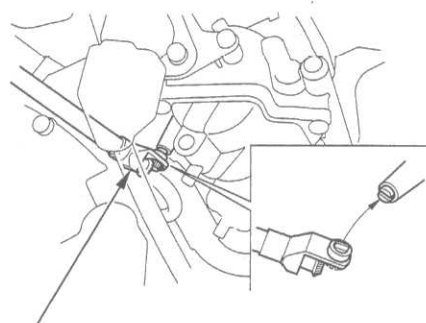
Except SW type:	1 3/4 turns out
SW type:	2 1/8 turns out

2. Warm the engine up to operating temperature.
3. Stop the engine and connect a tachometer according to the tachometer manufacturer's instructions.
4. Start the engine and adjust the idle speed with the throttle stop screw.

**IDLE SPEED:** 1,300 ± 100 min<sup>-1</sup> (rpm)

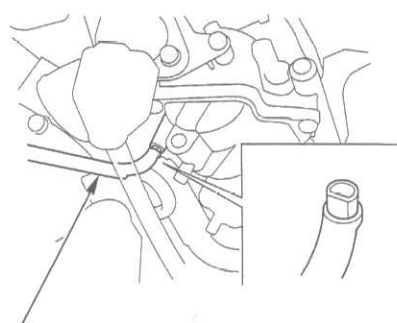
5. Turn the No.3 pilot screw in or out slowly to obtain the highest engine speed.
6. Perform step 5 for all the carburetor pilot screws.
7. Lightly open the throttle 2–3 times, adjust the idle speed with the throttle stop screw.

### EXCEPT SW TYPE:



PILOT SCREW WRENCH

### SW TYPE:



PILOT SCREW WRENCH

