

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 lead to death.

NOTE

- Make sure the carburetor synchronization is within specification before pilot screw adjustment (page 1-6).
- The pilot screw is factory pre-set and no adjustment can be done unless it is replaced.
- The engine must be warm for accurate adjustment. Ten minutes of stop-and-go riding is sufficient.
- Use a tachometer with graduation of 50 min^{-1} (rpm) or smaller that will accurately indicate a 50 min^{-1} (rpm) change.

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

Initial Opening: Except SW,AR type: 3turns out
SW type: 1-3/4 turns out
AR type: 2-5/8 turns out

CAUTION

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

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

Idle Speed: Except SW,AR type: $1,100 \pm 100 \text{ min}^{-1}$ (rpm)
SW type: $1,050 \pm 50 \text{ min}^{-1}$ (rpm)
AR type : $1,050 \pm 100 \text{ min}^{-1}$ (rpm)

5. Turn all pilot screws 1/2 turns counterclockwise from the initial setting.

5 TOOL

Pilot screw wrench **07908-4220201 (Except SW type)**
 07KMA-MS60101 (SW type)

6. If the engine speed increase by 50 min^{-1} (rpm) or more, turn all pilot screws out by successive 1/2 turn increments until engine speed does not increase.
7. Adjust the idle speed with the throttle stop screw.
8. Turn the No.3 carburetor pilot screw in until the engine speed drops 50 min^{-1} (rpm).
9. Then turn the No.3 pilot screw counterclockwise 1 (G, SW, AR type : 3/4) turn from the position obtained in step 8.
10. Adjust the idle speed with the throttle stop screw.
11. Perform steps 8, 9 and 10 for the No.1, 2 and 4 carburetor pilot screw.

