

## PILOT SCREW ADJUSTMENT

### IDLE DROP PROCEDURE

**NOTE:**

- Make sure the carburetor synchronization is within specification before pilot screw adjustment.
- The pilot screws are factory pre-set and no adjustment is necessary unless the pilot screws are replaced.
- Use a tachometer with graduations of 50 rpm or smaller that will accurately indicate a 50 rpm change.

1. Turn each pilot screw clockwise until it seats lightly, then back it out to the specification given. This is an initial setting prior to the final pilot screw adjustment.

**CAUTION:**

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

**TOOL:**

<b>Pilot screw wrench</b>	07908-4220201 (except SW type) 07KMA-MN90100 (SW type)
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**INITIAL OPENING:**

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

2. Warm up the engine to operating temperature. Stop and go driving for 10 minutes is sufficient.
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:**

**Except SW, AR, IIG type:**  $1,100 \pm 100 \text{ min}^{-1}$  (rpm)  
**AR, IIG type:**  $1,200 \pm 100 \text{ min}^{-1}$  (rpm)  
**SW type:**  $1,200 \pm 50 \text{ min}^{-1}$  (rpm)

5. Turn the front carburetor pilot screw in or out slowly to obtain the highest engine speed.
6. Perform step 5 for rear carburetor pilot screw.
7. Lightly open the throttle 2 or 3 times, then adjust the idle speed with the throttle stop screw.
8. Turn the front carburetor pilot screw in until the engine speed drops by  $50 \text{ min}^{-1}$  (rpm).
9. Turn the front carburetor pilot screw out to the final opening from the position obtained in step 8.

**FINAL OPENING:**

**Front:** 1 turn out  
**Rear:** 1-1/4 turns out

10. Adjust the idle speed with the throttle stop screw.
11. Perform steps 8, 9 and 10 for the rear carburetor pilot screw.

