

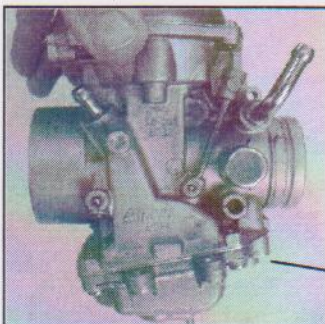


PILOT SCREW

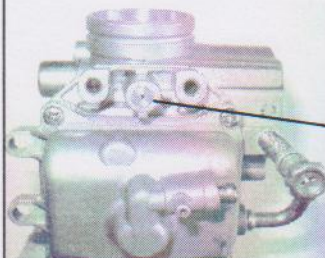
The pilot system supplies fuel during engine operation with the throttle valve closed or slightly opened. The fuel/air mixture is metered by pilot screw and discharged into the main bore through the pilot outlet.

CAUTION:

The pilot screw is calibrated at the factory to meet EPA / CARB regulations for air quality standards and is sealed with a brass plug to prevent tampering. Removal of the tamper proof plug is not permitted. For service purposes, cleaning of the pilot circuit can be done only by a certified repair shop to ensure air quality standards are not exceeded.



Pilot Screw location

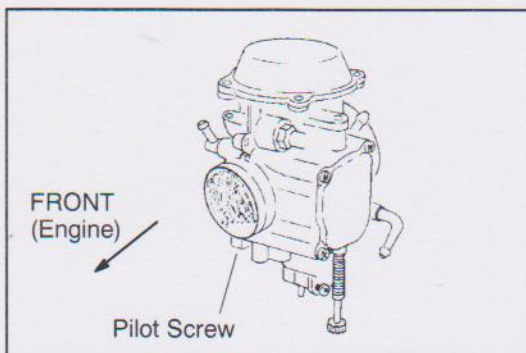


Brass Plug Installed



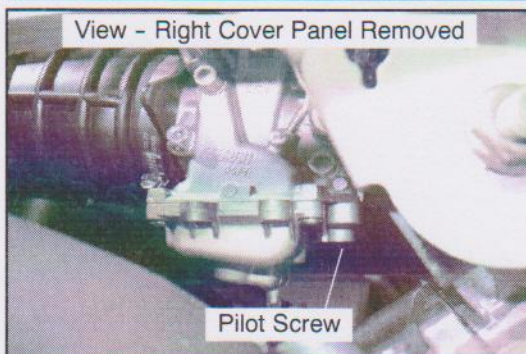
Brass Plug Removed

PILOT SCREW ADJUSTMENT



FRONT
(Engine)

Pilot Screw



View - Right Cover Panel Removed

Pilot Screw

1. Start engine and warm it up to operating temperature (about 10 minutes).
2. Turn pilot screw in (clockwise) until *lightly* seated. Turn screw out the specified number of turns.
NOTE: Do not tighten the pilot screw forcefully against the seat or the screw and/or seat will be permanently damaged.

The pilot screw is set at the factory. Each carburetor will have a slightly different pilot screw setting, the adjustments below are the recommended settings, the settings may differ from these recommendations.

Pilot Screw Adjustment:
Scrambler 500 - 2 Turns Out

3. Connect an accurate tachometer that will read in increments of + or - 50 RPM such as the PET 2100DX (PN 8712100DX) or the PET 2500 (PN 8712500).
4. Set idle speed to 1200 RPM. Always check throttle cable freeplay after adjusting idle speed and adjust if necessary.
5. Slowly turn mixture screw clockwise using the pilot screw wrench until engine begins to miss.

