



Idle Air Bleed Valve

With no letter stamped on idle bleed valve

1. To adjust air bleed valve, set parking brake and block rear wheels. Disconnect and plug hoses as directed on Emission Control Decal in the engine compartment. Check ignition timing and adjust if necessary.
2. Connect dwell meter to lead wire from mixture control solenoid in the carburetor, and then set dwell to 6 cylinder scale. Start engine and run at idle until normal operating temperature is reached and a varying dwell is noted on dwell scale. NOTE: It is absolutely essential that the engine is operated for a sufficient length of time to ensure that the engine coolant sensor, and oxygen sensor in exhaust, is at full operational temperature.
3. Adjust curb idle speed, if necessary. With engine idling observe dwell reading. If within, or varying between 10-50 degree range, no further adjustment is necessary. If dwell does not vary, or falls outside the 10-50 degree range, perform the following.
4. Using a screwdriver that fully fits the valve, slowly turn valve up or down until dwell reading varies and falls within 25-35 degree range, attempting to be at or close to 30 degrees as possible. CAUTION: Perform this carefully. The idle air bleed valve is very sensitive in controlling air / fuel ratios and the valve should be only turned 1/8 turn increments.
5. If after performing this adjustment, the dwell reading does not vary and is not within the 25-35 degree range, it will be necessary to adjust the idle mixture screws.

Valve with letter on the idle air bleed

1. Block the drive wheels. Place transmission in park (Automatic) or Neutral (Standard) and set the parking break. Start engine and allow it to reach normal operating temperature.
2. While idling in Drive (Automatic) or Neutral (Standard) adjust both mixture screws equally, in 1/8 turn increments, until dwell varies within the 25-35 degree range, attempting to be as close to 30 degrees as possible. If reading is too low, turn the

mixture screws counter clockwise. If readings are too high, turn the mixture screws clockwise. Allow time for the dwell reading to stabilize after each adjustment.