Idle Air Control Valves

Function: Meters air flow around the throttle plate, controlling idle speed. Called throttle air by-pass valves by Ford.

Situation: Susceptible to carbon build-up causing plungers and pintles to stick. Results in rough idle, stalling or engine run-on.

Solution: Wells Advantage
Only aftermarket supplier that manufactures and tests IACVs in accordance with strict OE specifications.

Design, Engineering, Manufacturing and Testing:
It’s easy to make IACVs look like OE, but few are able to manufacture, test and calibrate to required specs.
- Complicated castings require stringent tolerances
- Precise pintle profiles to match OE flow
- Plunger shafts/magnets calibrated to exacting specs
- Component alignment is mandatory
- Calibrated to perform at all engine temperatures

Features & Benefits:
- Exclusive air flow testing ensures consistent performance
- After calibration, adjustment screws thread-locked to remain in spec
- 100% testing and calibration during manufacture
- On-car performance tests (*Offshore suppliers do not do this*)

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