HOLDEN - ASTRA

#T0100

Make: Holden

Model: Astra TR / Vectra JR - JS

Subject: Engine idle may remain high or stall

TEST: Inspect the IACV solenoid shaft for evidence of contamination from combustion by-pass gases. Check DTC's with a scan tool, is code P0100 evident, this code can be logged due to a blocked or restricted PCV port & or hose.

Check the PCV port & hose.

CAUSE: The IACV solenoid shaft may stick due to contamination from the combustion by-pass gases via the PCV port, it is not recommended to clean the valve. After 16/02/00 the PCV system was revised to prevent IACV contamination.

1. Clean the PCV port & hose, the PCV port has a calibrated orifice that must be carefully cleaned using a long shank 1.5mm drill bit from an engineering supplier.

   Note: Enlarging the orifice will cause drivability & code setting problems

2. Install a revised IACV & patch harness,
3. Re-flash the ECM with the revised IACV calibration; this is done via TECH 2. (Scan tool at Holden)
4. Check the IACV position (steps) at idle with TECH 2, must be 20-25 steps at normal operating temperature, A/C must be OFF, if not adjust the throttle position.