

Idle Speed**Fast Idle****MAF****PASS****LOW****MAP****PASS****LOW****VGT****PASS****PASS****EGR****HIGH****Print****Exit****Result
analysis**

IDLE SPEED TEST RESULT

EGR fault please investigate before replacing any components or re-run the application.

Possible causes :

1. Mechanical partial or fully stuck open
2. Mechanical partial or fully stuck closed
3. Electrical connectivity short circuit/ open circuit
4. Incorrect position/ slow response time on cleaning / Shut of cycle-usually due to items 1 or 2.

FAST IDLE TEST RESULT

PRIMARY CAUSE/ CONCERN

Low pressure leak :

Carry out boost pressure leak test, instructions are on TOPIx: Powertrain, 303:00 and navigate to 'Leakage test using smoke test equipment'

Visual check of all pipe work after MAF sensor to inlet side of the turbo:

Check joints/mating faces are secure and flush fitting with no gaps or creases in grommets/flanges.

Check all fasteners are secured and correctly tightened.

Check for cracks/splits/holes/weathering in pipe work.

Rectify faults as required.

SECONDARY CAUSES/ CONCERNS

Boost leak :

Carry out boost pressure leak test, instructions are on TOPIx: Powertrain, 303:00 and navigate to 'Leakage test using smoke test equipment'

Visual check of all pipe work from boost side of turbo to inlet manifold:

Check joints/mating faces are secure and flush fitting with no gaps or creases in grommets/flanges.

Check all fasteners are secured and correctly tightened.

Check for cracks/splits/holes/weathering in pipe work.

Rectify faults as required.

MAF and MAP low :

Carry out visual checks on the condition of the MAF _MAP sensor:

Check the connectors are seated correctly.

Check for damage to connectors and wiring harness.

Check for any foreign object /water ingress.

Rectify faults as required.

EGR fault please investigate before replacing any components or re-run the application.

Possible causes :

1. Mechanical partial or fully stuck open
2. Mechanical partial or fully stuck closed
3. Electrical connectivity short circuit/ open circuit
4. Incorrect position/ slow response time on cleaning / Shut of cycle-usually due to items 1 or 2.