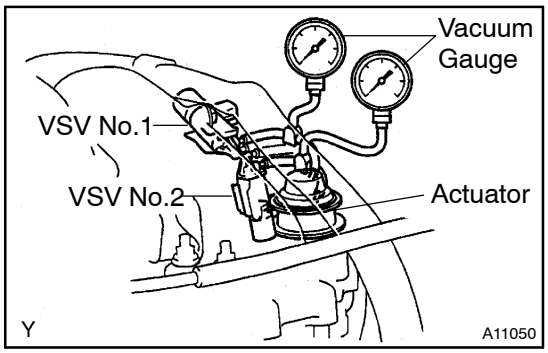
INTAKE CONSTRICTOR CONTROL

EM0QP–02

INSPECTION

1. INITIAL CONDITIONS

(a) Engine at normal operating temperature
(b) Air cleaner installed
(c) All pipes and hoses of air induction system connected
(d) All accessories switched OFF
(e) All vacuum lines properly connected
(f) ECD system wiring connectors fully plugged
(g) Valve clearance set correctly
(h) Injection timing set correctly



2. CONNECT VACUUM GAUGES

Using a 3–way connector, connect a vacuum gauge to the hose between the actuator and VSV.

NOTICE:

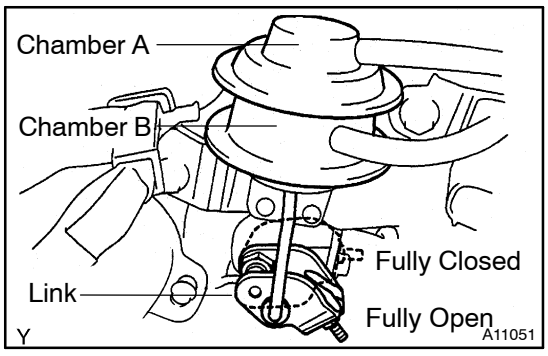
Always stop the engine when installing or removing the vacuum gauge, or removing the vacuum hoses.

3. INSPECT COLD ENGINE CONDITION

(a) Start the engine.
(b) Check that the vacuum gauge in the chambers A and B will not move.

HINT:

A no vacuum is loaded in the chamber, sub–throttle valve is fully open.



(c) Check the lever link position of the illustration.
Standard:
Link is levered lowest position.
(Same position as that before staring)

4. INSPECT HOT ENGINE CONDITION

(a) Check that the vacuum gauge in the chambers A and B will not move during idling.

HINT:

As no vacuum is loaded in the chamber, sub–throttle valve is fully open.

(b) When opening the throttle valve from idling condition, check that the vacuum gauges of chambers A and B will raise.

(c) Check the link position of the lower diaphragm.

Standard:

Link is lowered to lowest position.

(Same position as that before starting)

(d) When the engine stops (IG OFF) from idling condition, check that the vacuum gauges in chambers A and B will raise.

(e) Check the link position of the lower diaphragm.

Standard: Link is raised to highest position.

HINT:

Vacuum is loaded in the chambers A and B of the diaphragm and sub–throttle valve will fully closed.

(f) A few seconds after the engine stops (IG OFF), check that the vacuum gauges in the chambers A and B is at zero.

(g) Check the link position of the lower diaphragm.

Standard: Link is lowered to lowest position.

HINT:

As the vacuum does not act in the chamber, sub–throttle valve is fully open.

5. REMOVE VACUUM GAUGES

Remove the vacuum gauge, and reconnect the vacuum hoses to the proper locations.