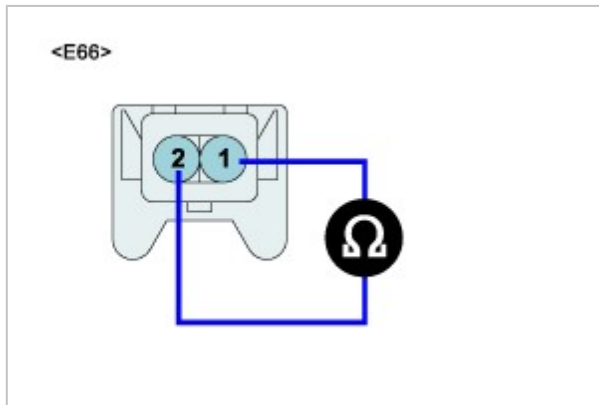


## Component Inspection

### 1. Check VGT actuator component resistance

- (1) IG KEY "OFF", ENGINE "OFF".
- (2) Disconnect VGT actuator connector.
- (3) Measure the resistance between VGT actuator component terminal 1 and 2.
  - A. Specification : 14.7 ~ 16.1Ω (20℃ )



### (4) Is VGT actuator component resistance within the specification?

**i** YES

- 1) Go to "2.Check VGT actuator operation" as follows.

**i** NO

- 1) Replace VGT actuator and go to "Verification of Vehicle Repair".

### 2. Check VGT actuator operation

- (1) IG KEY "ON", ENGINE "ON".
- (2) Check that VGT actuator operating duty is 76% after warming engine up.
- (3) Check if vacuum generates after disconnecting VGT valve vacuum hose.
- (4) Check if vacuum generates when decelerating after rapid acceleration (Vacuum must not generate, correct VGT actuator operating duty is 45%).

A. Specification :

VGT actuator duty 76% : vacuum generates

VGT actuator duty 45% : vacuum does not generate.

**i** YES

- 1) Go to "Verification of Vehicle Repair".

**i** NO

- 1) Replace VGT Control solenoid valve and go to "Verification of Vehicle Repair".

□ Repeat this process 2~3 times.