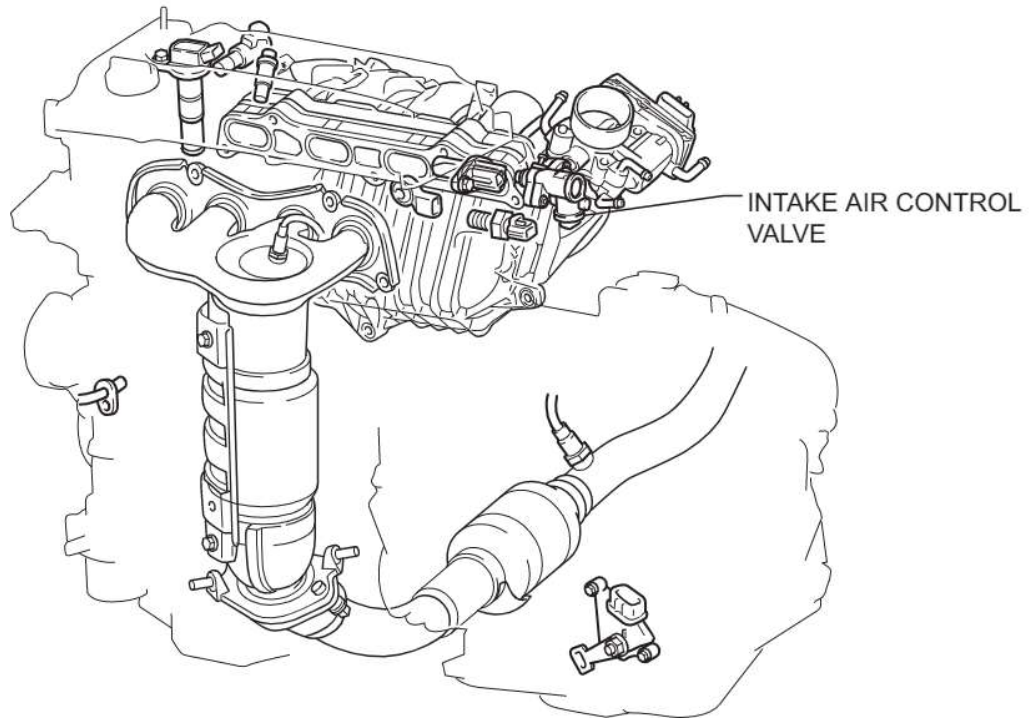


INTAKE AIR CONTROL SYSTEM

PARTS LOCATION

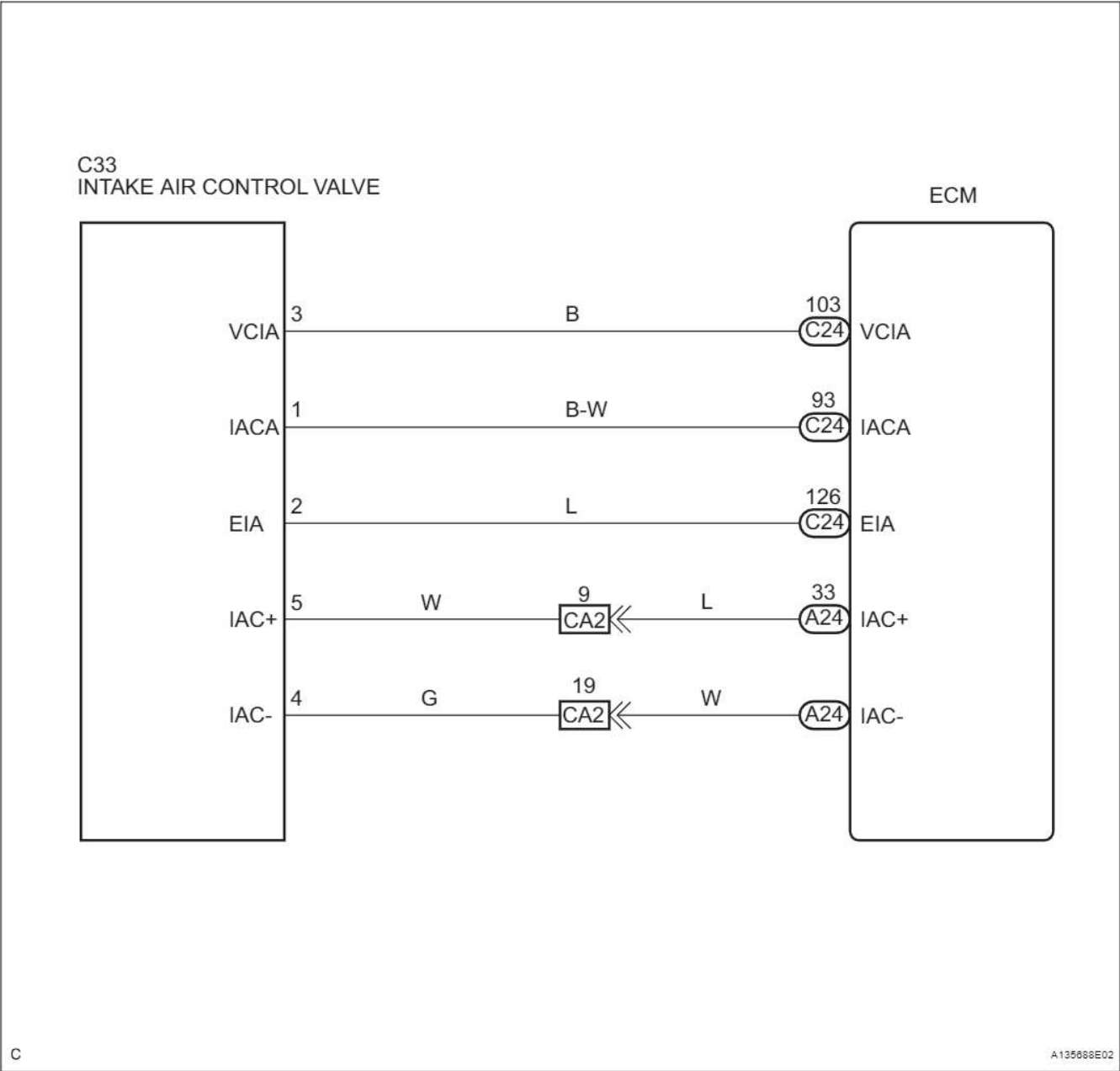
for PZEV:

**IT**

N

A135059E08

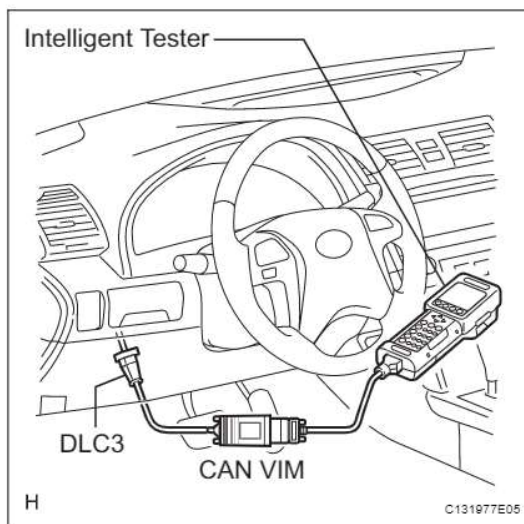
SYSTEM DIAGRAM



ON-VEHICLE INSPECTION

1. INSPECT INTAKE AIR CONTROL VALVE ASSEMBLY

- (a) Inspection procedure when using the intelligent tester:
- (1) Warm up the engine.
 - (2) Stop the engine.
 - (3) Connect the intelligent tester to the DLC3.
 - (4) Turn the ignition switch on (IG).
 - (5) Turn the tester on.
 - (6) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / INTAKE CTL VSV1. Press the right or left button.
 - (7) Make sure that a clicking sound is heard from the intake air control valve when current flows. If the result is not as specified, replace the intake air surge tank.

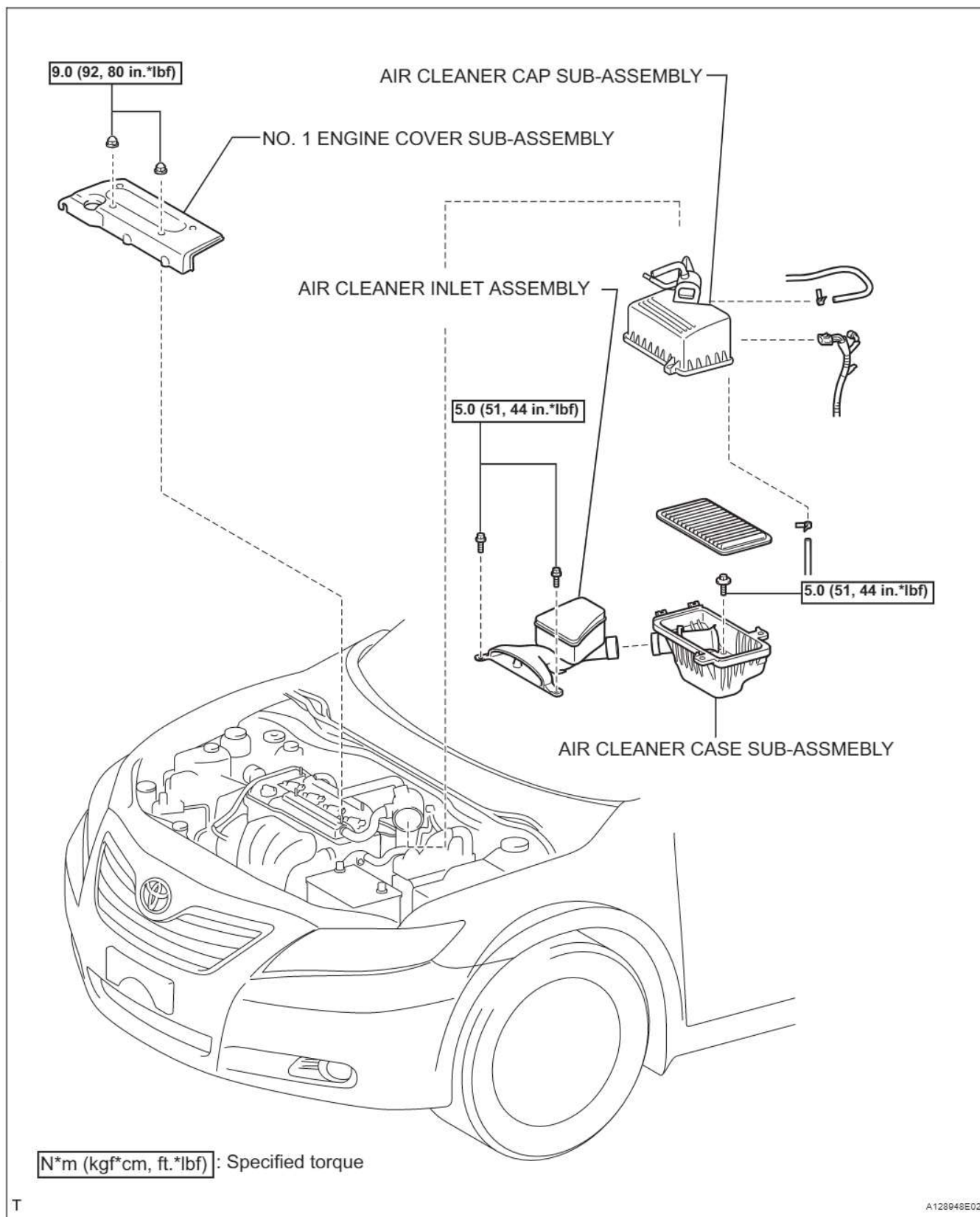


IT-4

2AZ-FE INTAKE – INTAKE AIR CONTROL VALVE

INTAKE AIR CONTROL VALVE

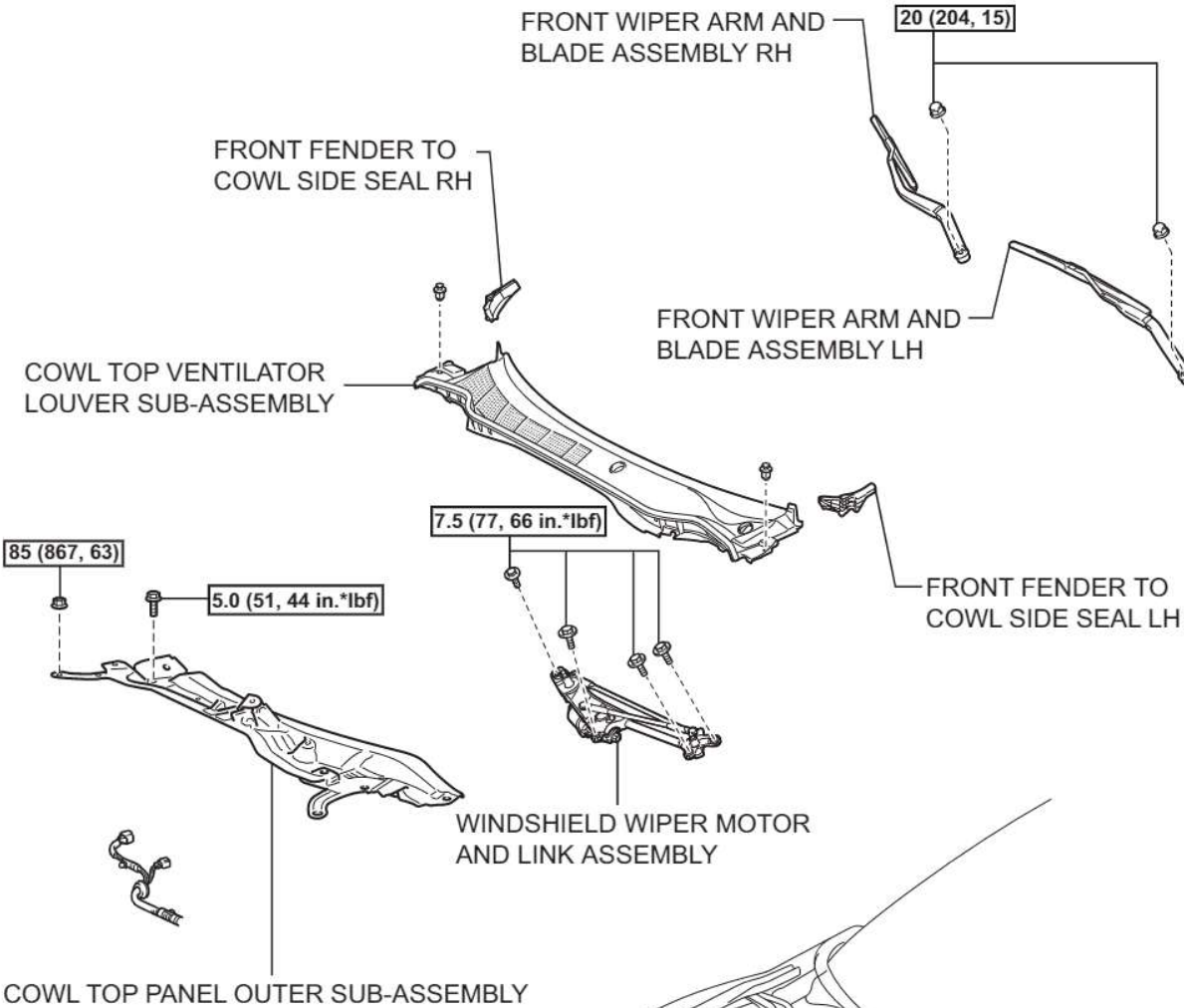
COMPONENTS



T

A128948E02

2AZ-FE INTAKE – INTAKE AIR CONTROL VALVE



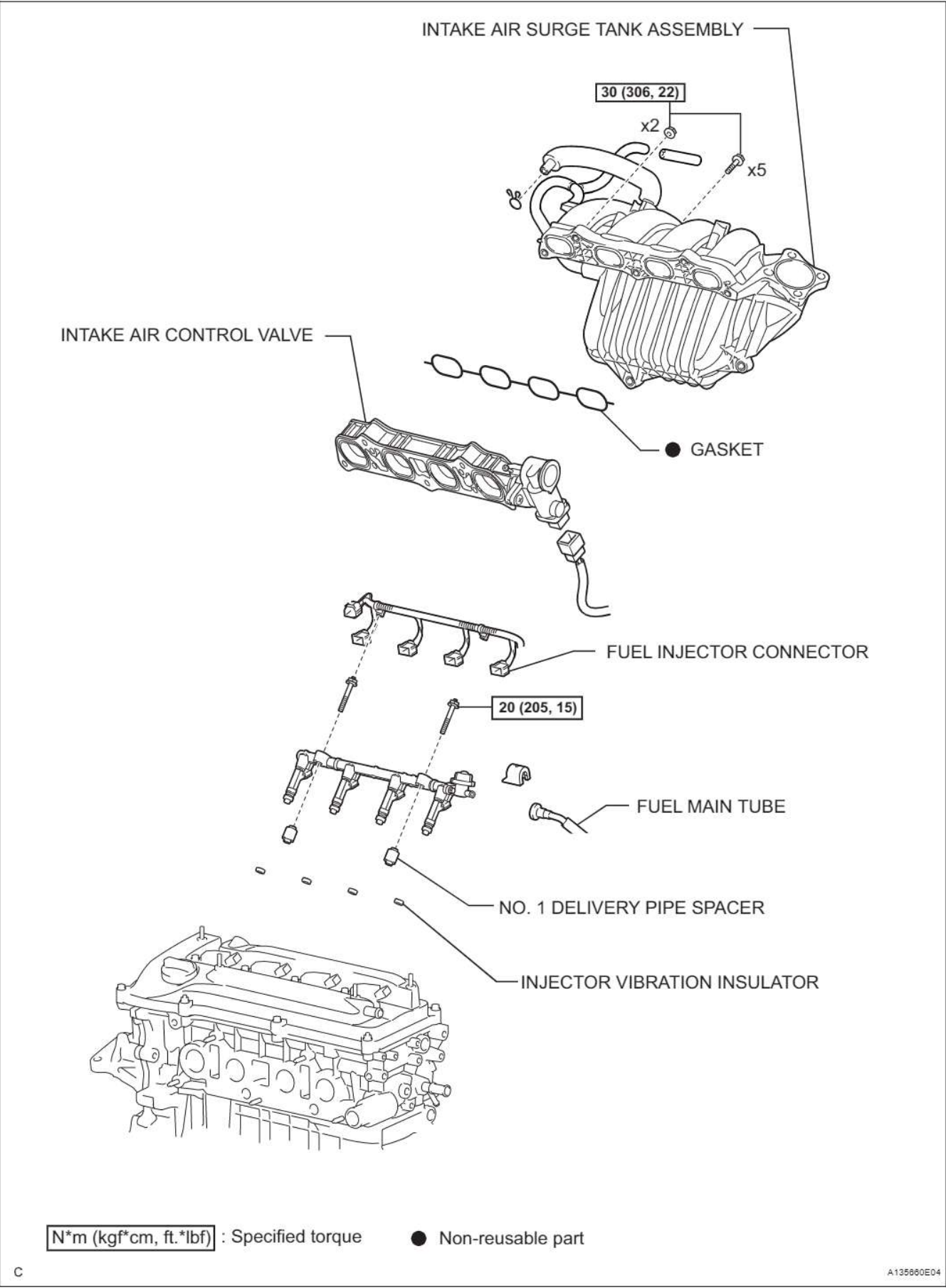
N*m (kgf*cm, ft.*lbf): Specified torque

A136912E08

IT

IT-6

2AZ-FE INTAKE – INTAKE AIR CONTROL VALVE



REMOVAL

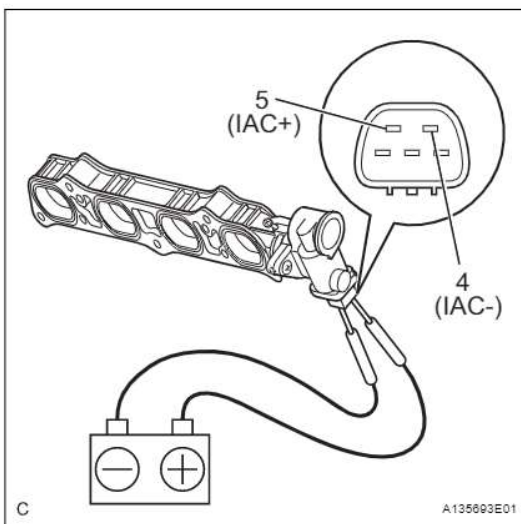
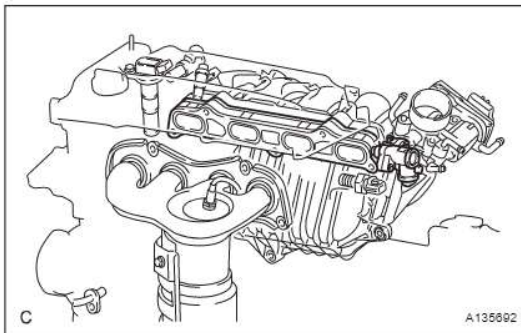
1. REMOVE INTAKE AIR SURGE TANK ASSEMBLY

HINT:

(See page [ES-510](#))

2. REMOVE INTAKE AIR CONTROL VALVE

(a) Remove the intake air control valve.

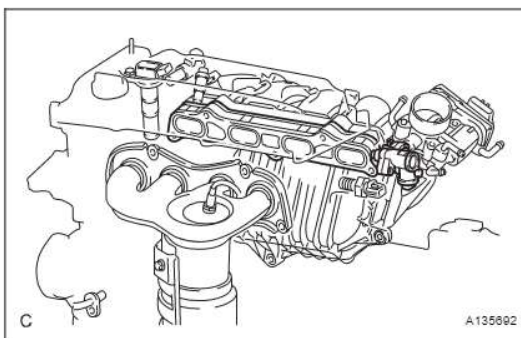


INSPECTION

1. INSPECT INTAKE AIR CONTROL VALVE

(a) Inspection procedure when applying voltage between the terminals:

- (1) Apply battery voltage between terminals 4 (IAC-) and 5 (IAC-) of the intake air control valve. The actuator should continue to keep the valve open.



INSTALLATION

1. INSTALL INTAKE AIR CONTROL VALVE

(a) Install the intake air control valve.

2. INSTALL INTAKE AIR SURGE TANK ASSEMBLY

HINT:

(See page [ES-511](#))