

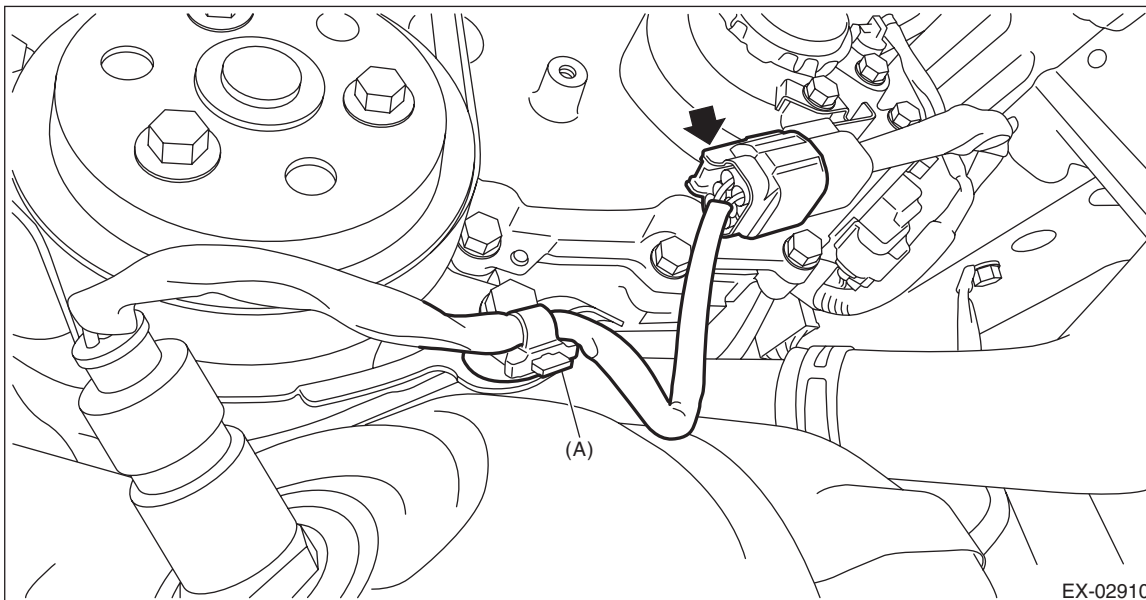
## Front Oxygen (A/F) Sensor

FUEL INJECTION (FUEL SYSTEMS)

### 22.Front Oxygen (A/F) Sensor

#### A: REMOVAL

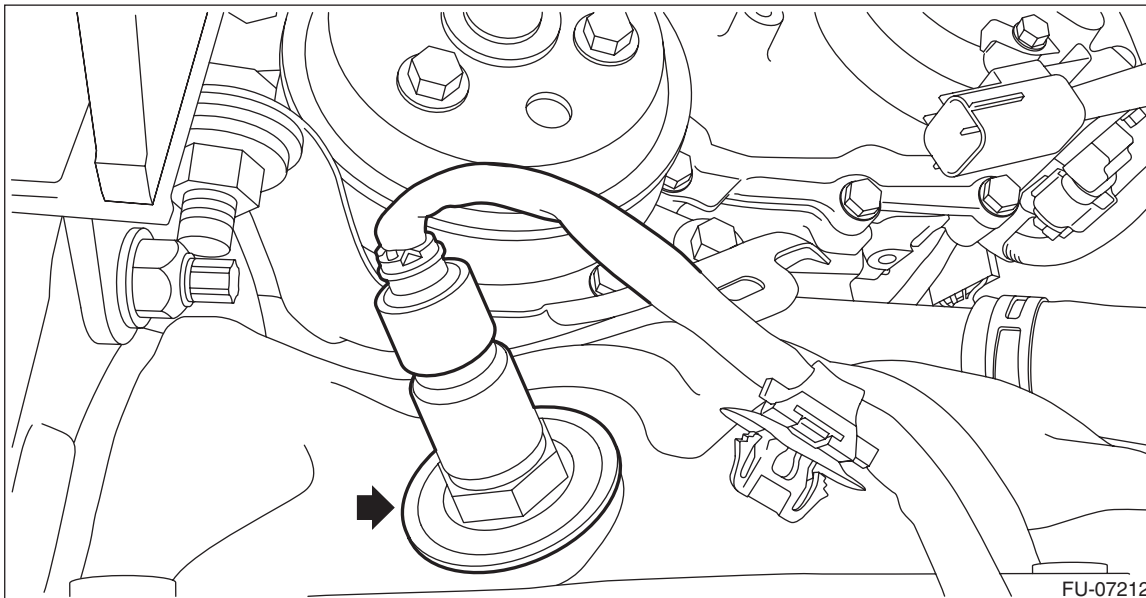
- 1) Disconnect the ground cable from battery.
- 2) Remove the radiator sub fan and fan motor assembly. <Ref. to CO(H4DOTC)-56, REMOVAL, Radiator Sub Fan and Fan Motor.>
- 3) Lift up the vehicle.
- 4) Remove the under cover. <Ref. to EI-23, REMOVAL, Front Under Cover.>
- 5) Disconnect the connector on the front oxygen (A/F) sensor from the engine harness, and remove the clip (A) securing the front oxygen (A/F) sensor harness to the water pump cover.



- 6) Apply spray-type lubricant to the threaded portion of front oxygen (A/F) sensor, and leave it for one minute or more.
- 7) Remove the front oxygen (A/F) sensor.

#### CAUTION:

**When removing the front oxygen (A/F) sensor, wait until exhaust pipe cools, otherwise it will damage the exhaust pipe.**



## B: INSTALLATION

### CAUTION:

If lubricant is spilt over the exhaust pipe, wipe it off with cloth to avoid emission of smoke or causing a fire.

1) Before installing front oxygen (A/F) sensor, apply anti-seize compound only to the threaded portion of front oxygen (A/F) sensor to make the next removal easier.

### CAUTION:

Never apply anti-seize compound to the protector of front oxygen (A/F) sensor.

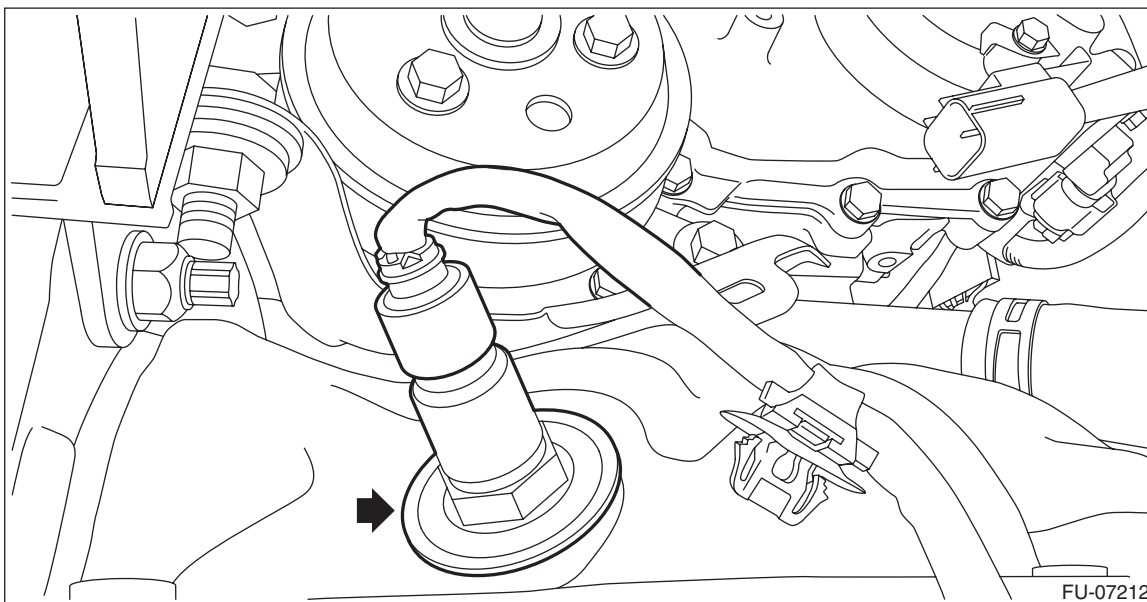
### Anti-seize compound:

**NEVER-SEEZ NSN, JET LUBE SS-30 or equivalent**

2) Install the front oxygen (A/F) sensor.

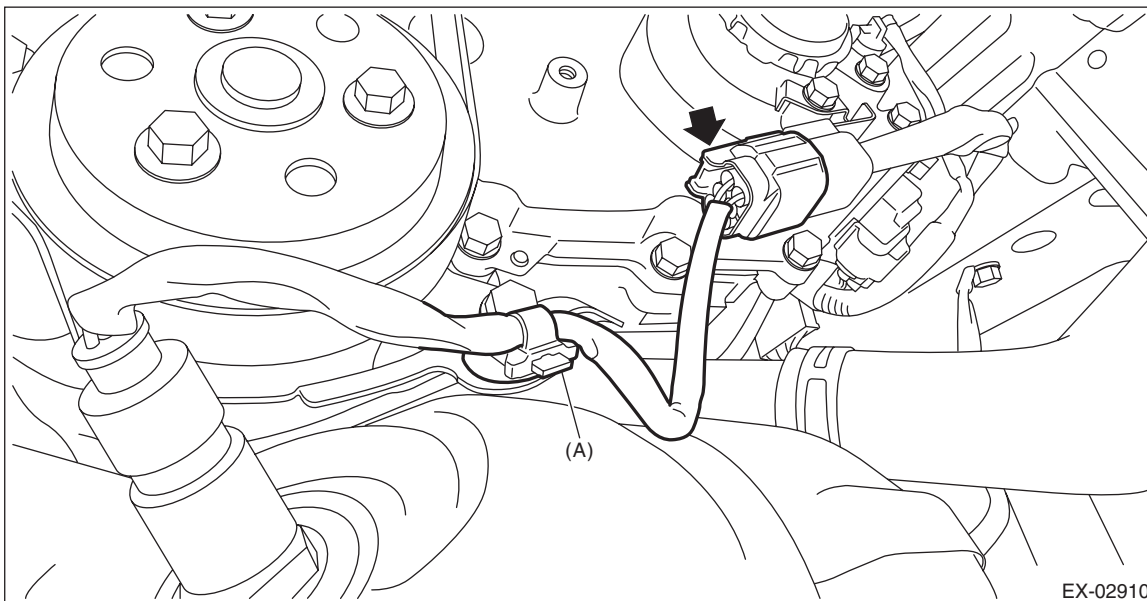
### Tightening torque:

**21 N·m (2.1 kgf-m, 15.5 ft-lb)**



3) Lift up the vehicle.

4) Secure the front oxygen (A/F) sensor harness to the water pump cover using clip (A), and connect the front oxygen (A/F) sensor connector to the engine harness.



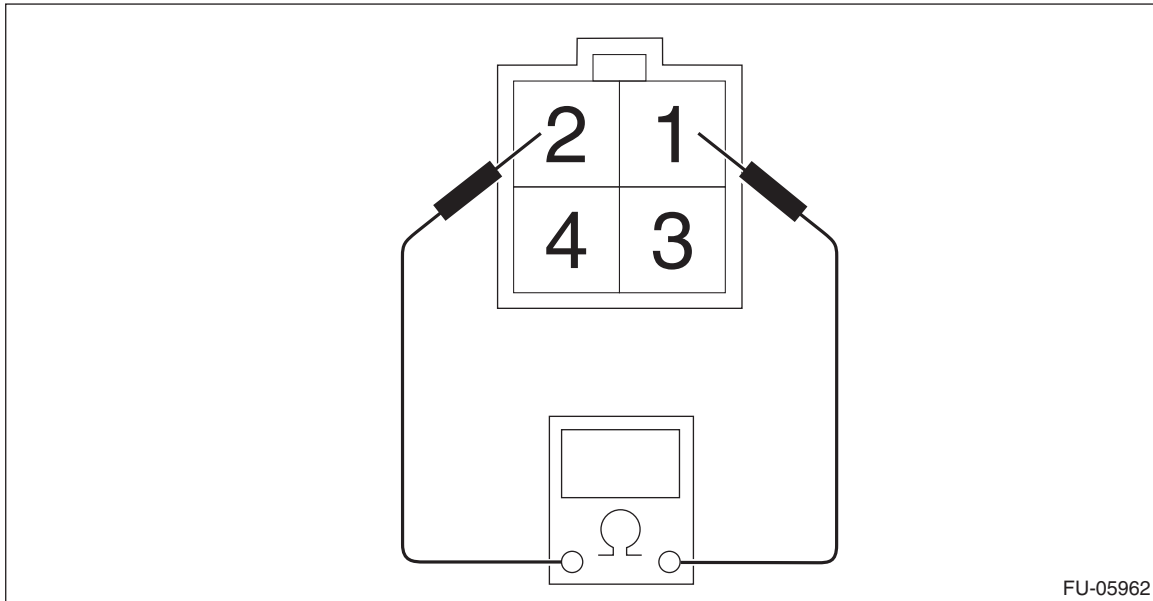
## Front Oxygen (A/F) Sensor

### FUEL INJECTION (FUEL SYSTEMS)

- 5) Install the under cover. <Ref. to EI-23, INSTALLATION, Front Under Cover.>
- 6) Lower the vehicle.
- 7) Install the radiator sub fan and fan motor assembly. <Ref. to CO(H4DOTC)-56, INSTALLATION, Radiator Sub Fan and Fan Motor.>
- 8) Connect the battery ground terminal.

### C: INSPECTION

- 1) Check that the front oxygen (A/F) sensor has no deformation, cracks or other damages.
- 2) Measure the resistance between front oxygen (A/F) sensor terminals.



Terminal No.	Standard
1 and 2	$2.2^{+0.45}_{-0.22} \Omega$ (when 20°C (68°F))