

# Electrical Component Location

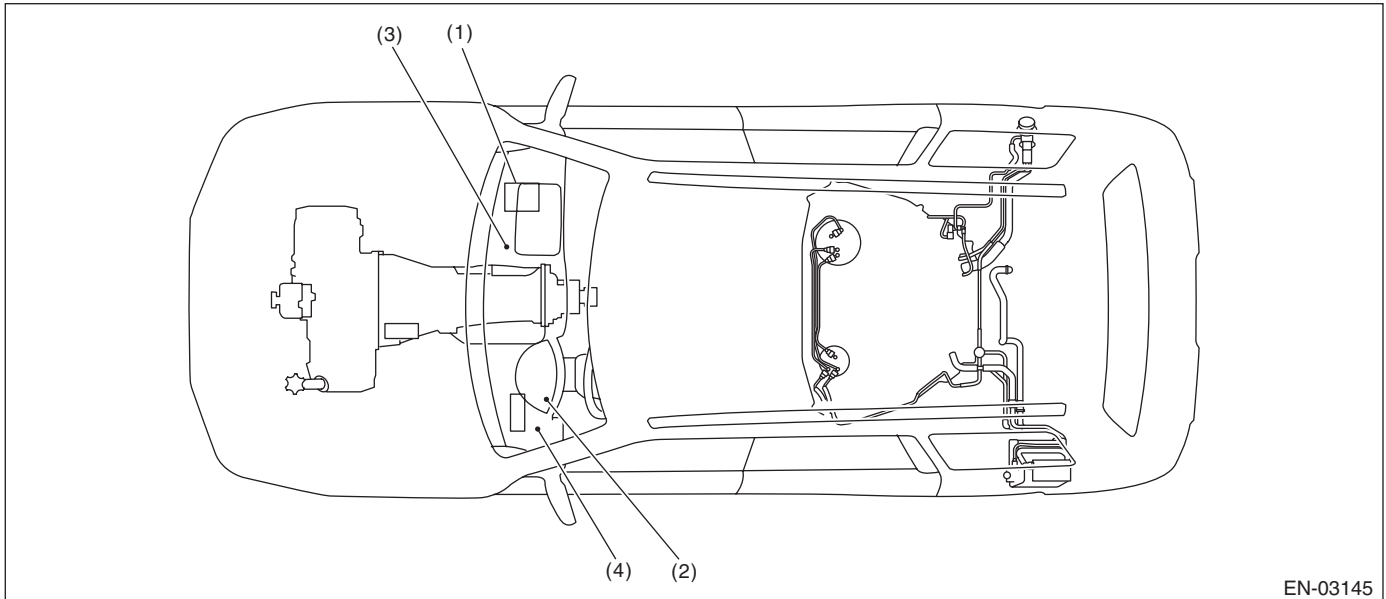
ENGINE (DIAGNOSTICS)

## 4. Electrical Component Location

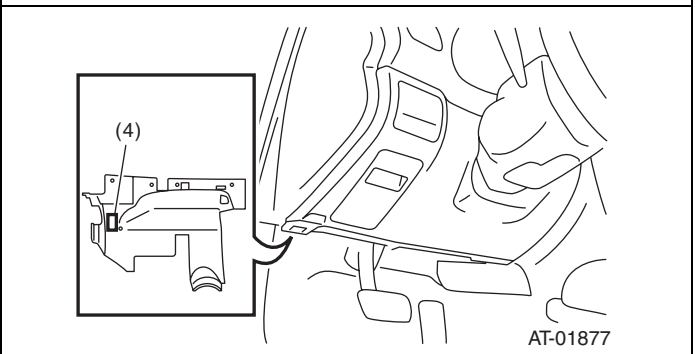
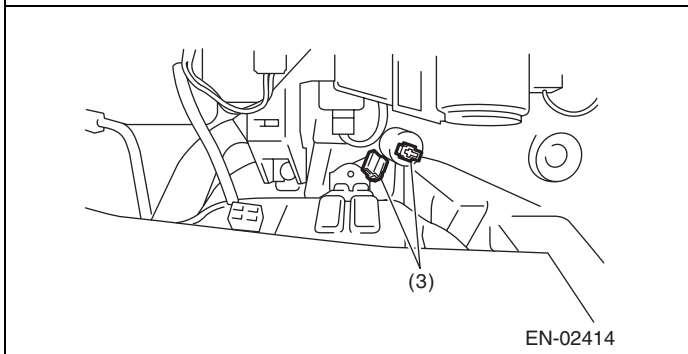
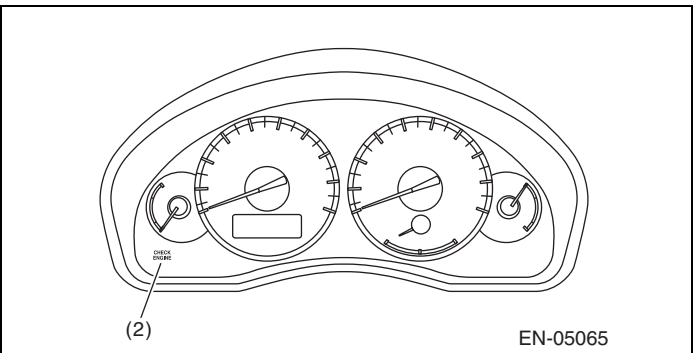
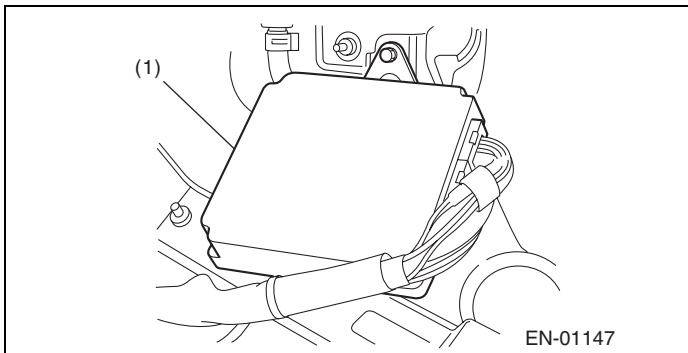
### A: LOCATION

#### 1. ENGINE

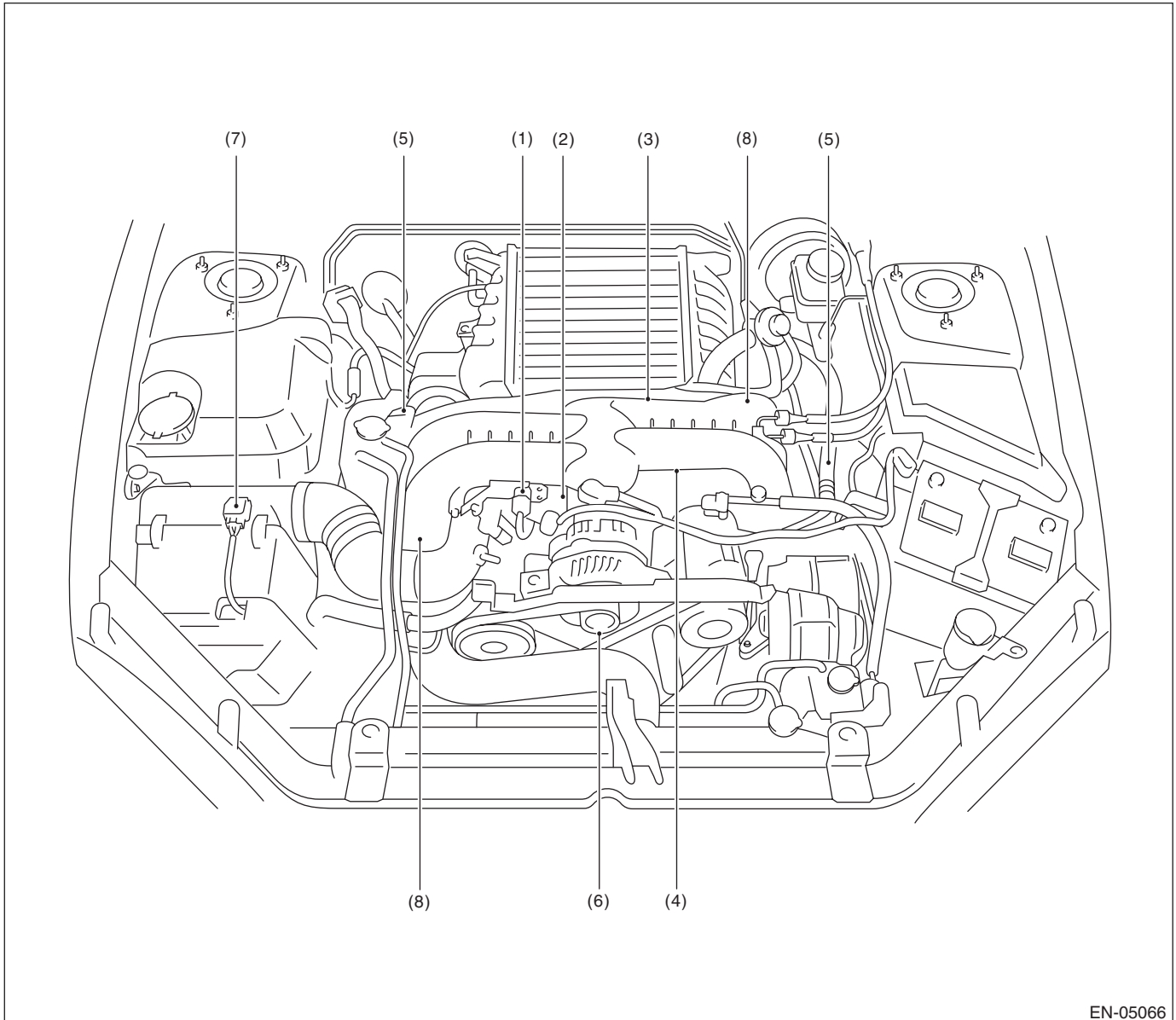
- Control module



- (1) Engine control module (ECM)      (3) Test mode connector      (4) Data link connector  
(2) Malfunction indicator light



- Sensor



EN-05066

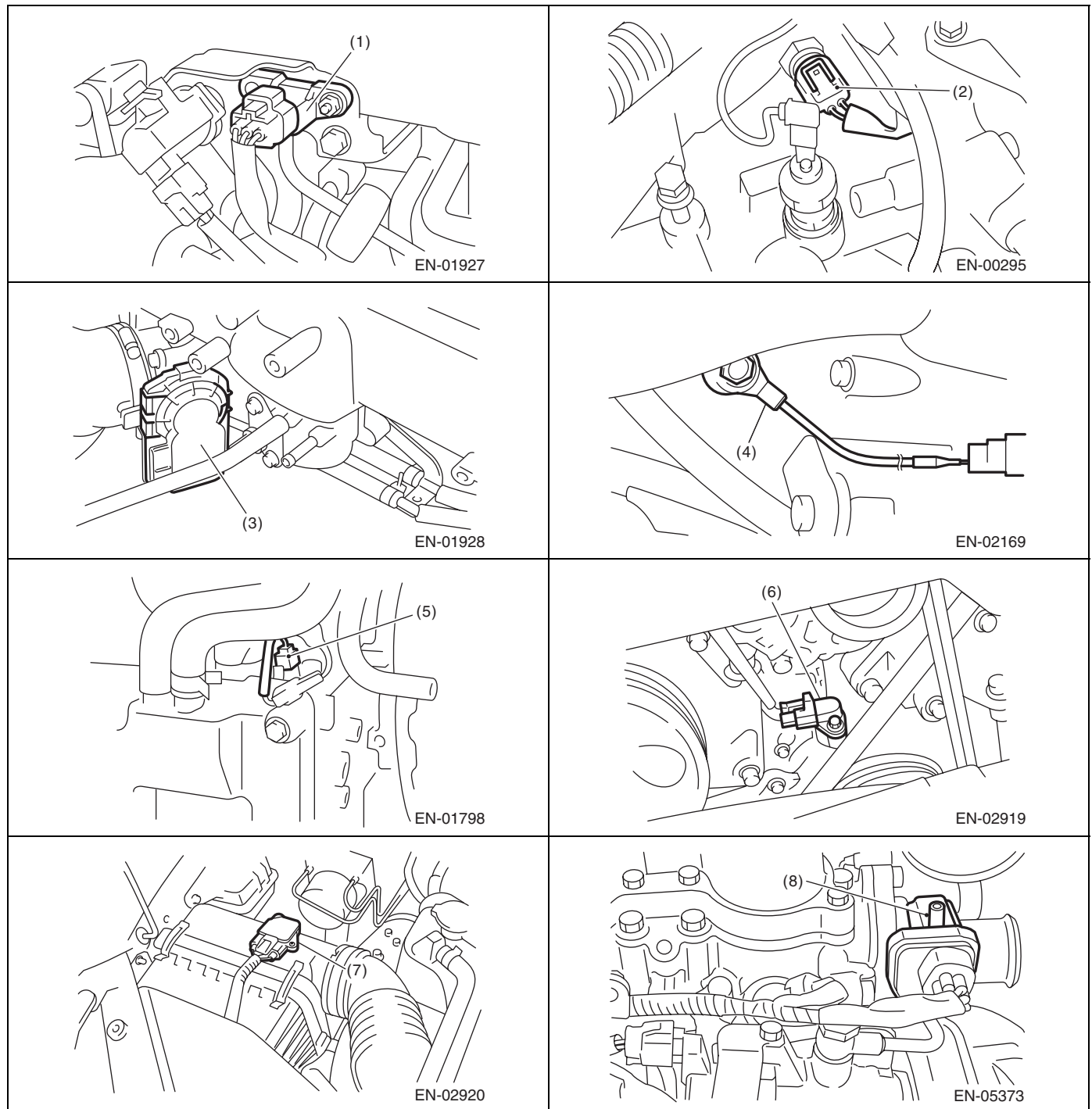
- (1) Manifold absolute pressure sensor
- (2) Engine coolant temperature sensor

- (3) Electronic throttle control
- (4) Knock sensor
- (5) Intake camshaft position sensor
- (6) Crankshaft position sensor

- (7) Mass air flow and intake air temperature sensor
- (8) Tumble generator valve ASSY

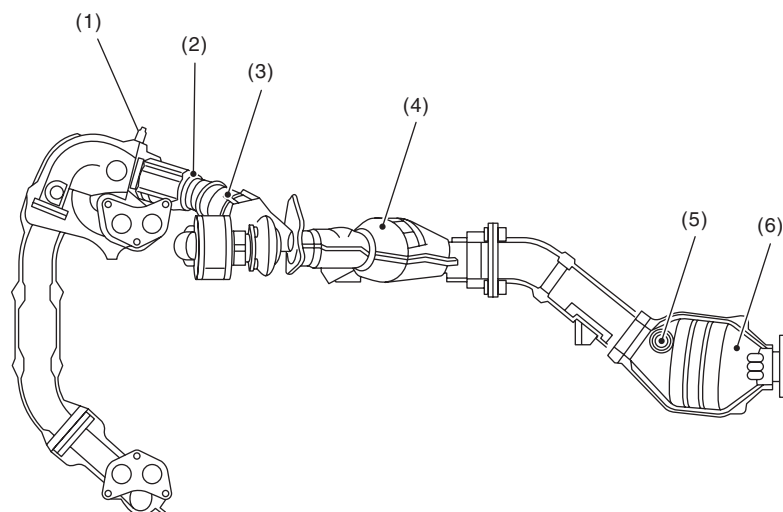
# Electrical Component Location

## ENGINE (DIAGNOSTICS)



# Electrical Component Location

ENGINE (DIAGNOSTICS)



EN-02922

(1) Front oxygen (A/F) sensor

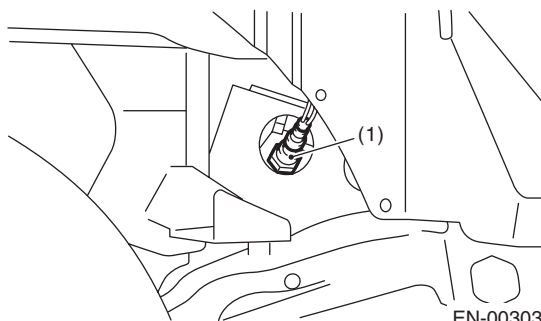
(2) Precatalytic converter

(3) Exhaust temperature sensor

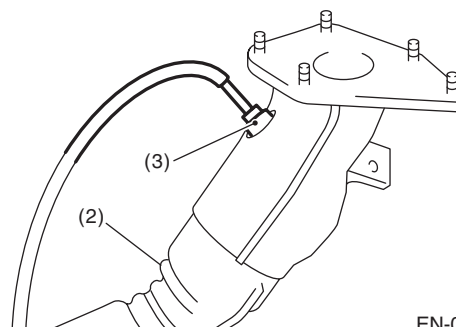
(4) Front catalytic converter

(5) Rear oxygen sensor

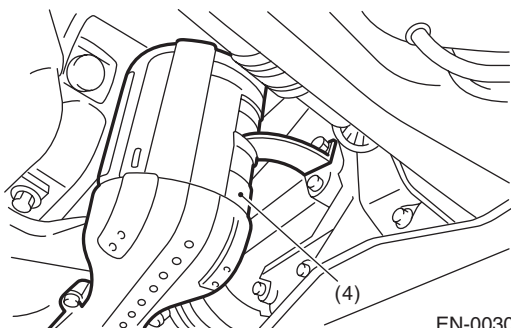
(6) Rear catalytic converter



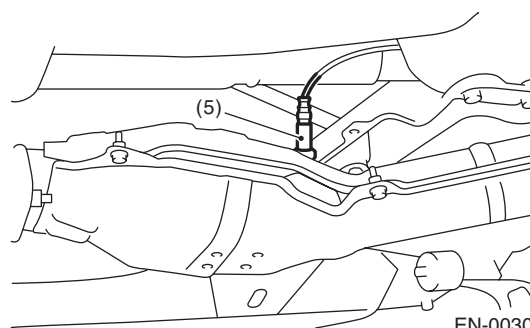
EN-00303



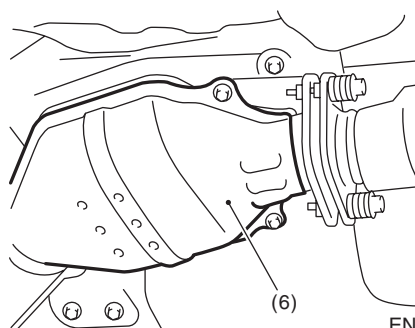
EN-00304



EN-00305



EN-00306

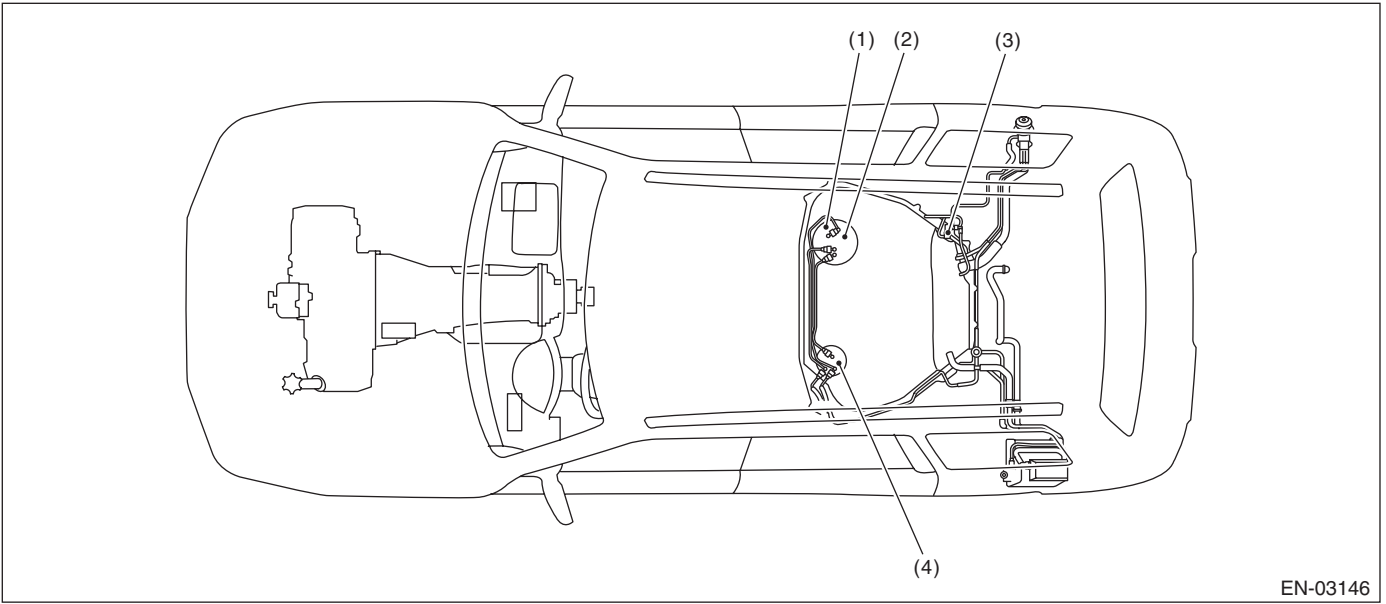


EN-00307

SUBARU

Electrical Component Location

ENGINE (DIAGNOSTICS)



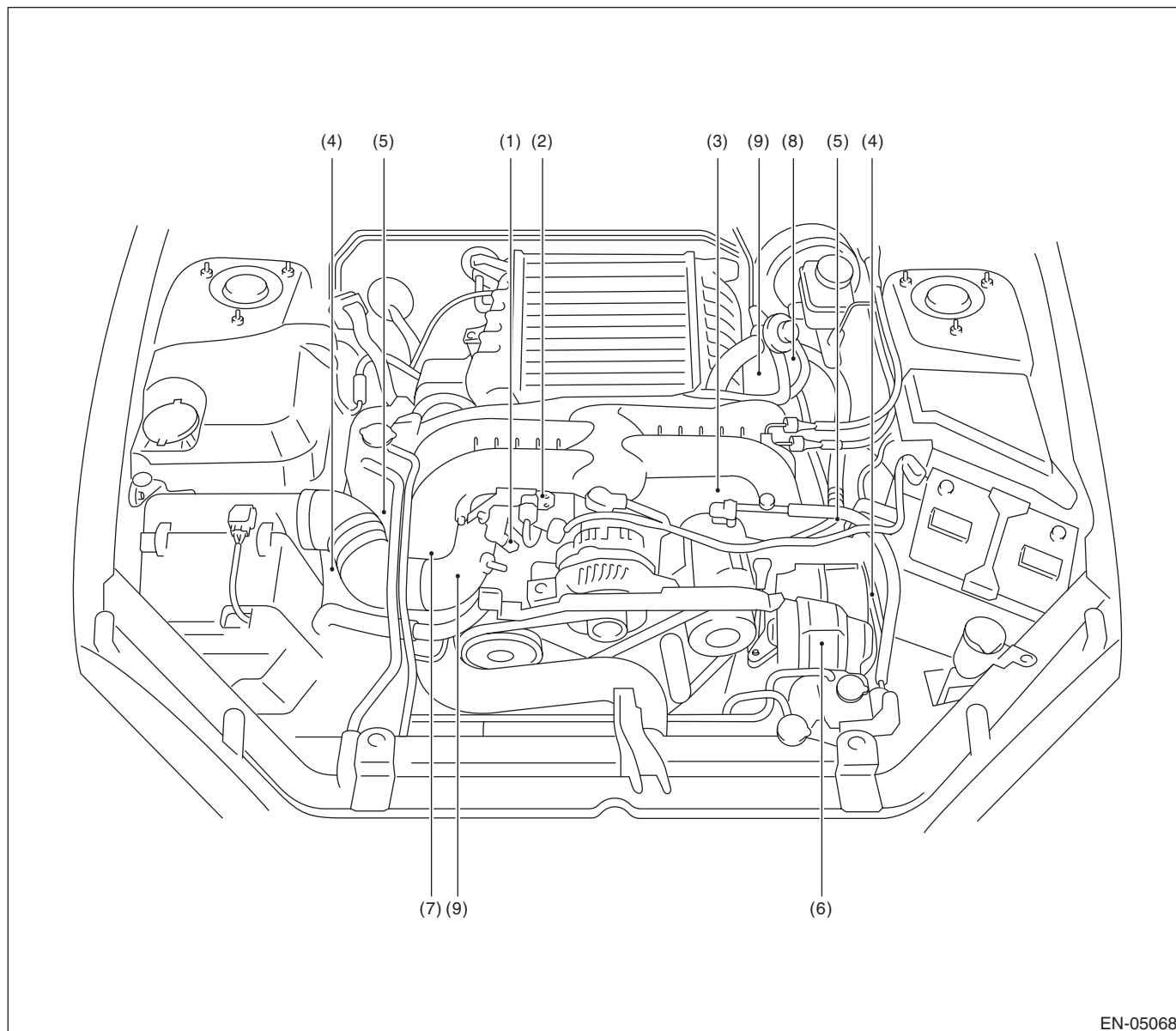
- (1) Fuel level sensor
- (3) Fuel tank pressure sensor
- (4) Fuel sub level sensor
- (2) Fuel temperature sensor

|                 |                 |
|-----------------|-----------------|
| <p>EN-03147</p> | <p>EN-03003</p> |
| <p>EN-03132</p> |                 |

# Electrical Component Location

ENGINE (DIAGNOSTICS)

- Solenoid valve, actuator, emission control system parts and ignition system parts



EN-05068

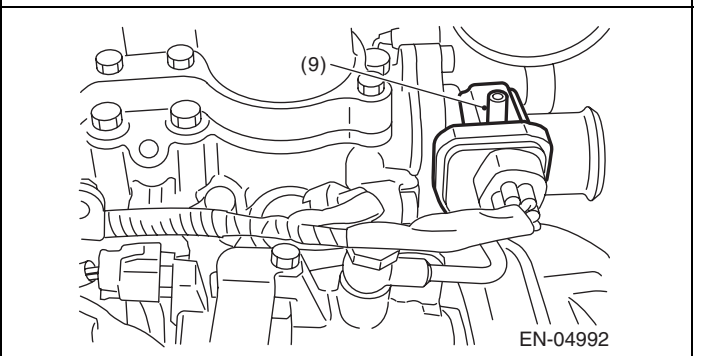
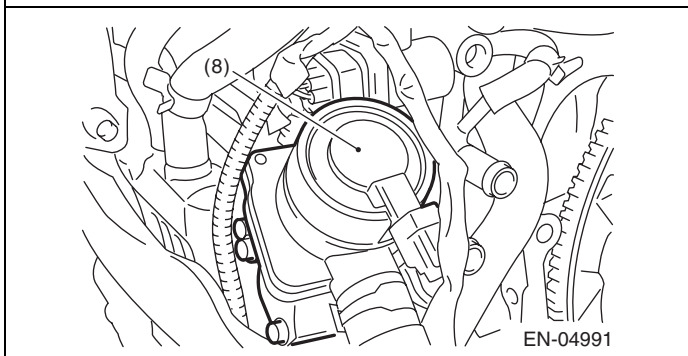
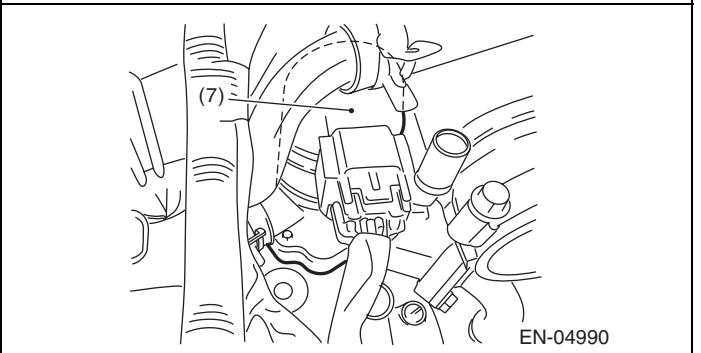
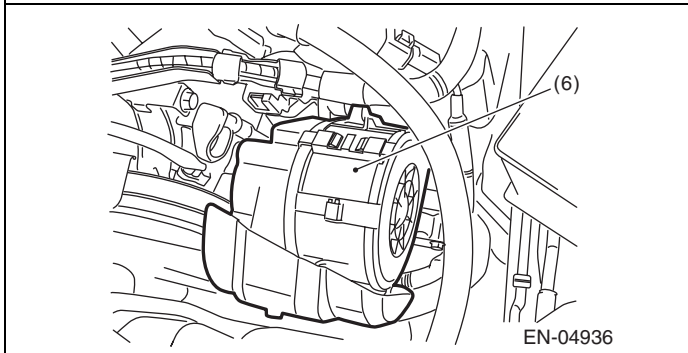
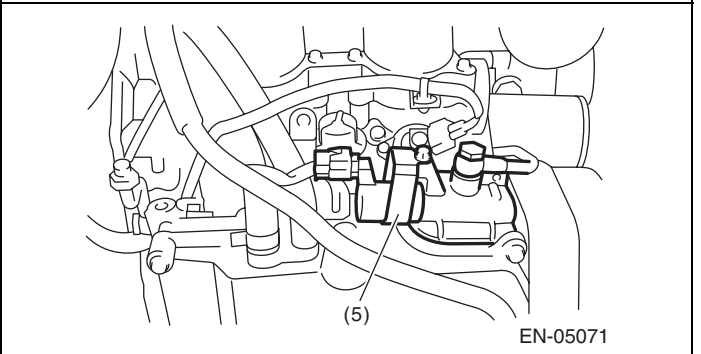
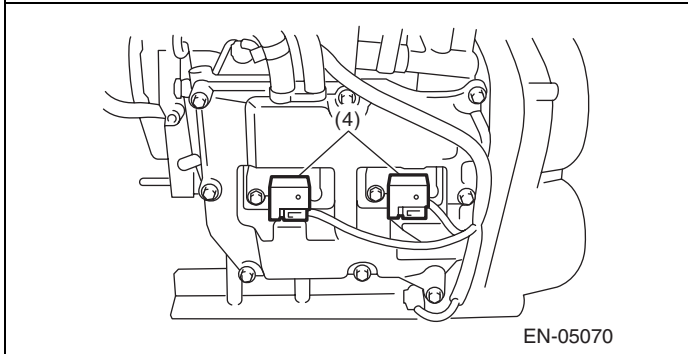
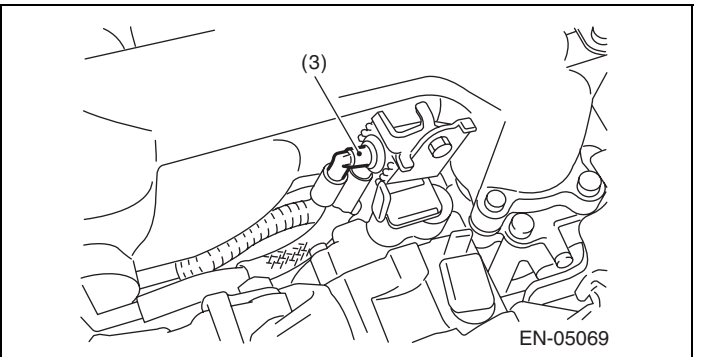
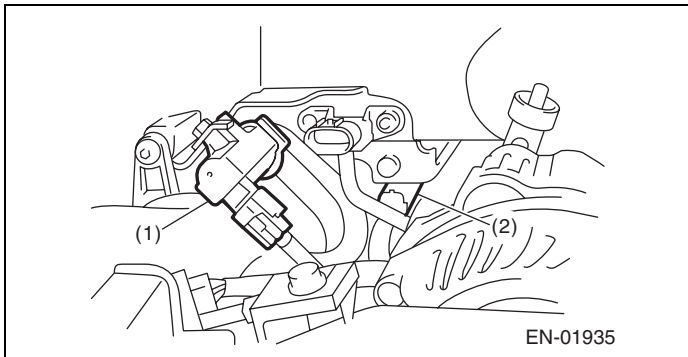
- (1) Wastegate control solenoid valve
- (2) Purge control solenoid valve 1
- (3) Purge control solenoid valve 2
- (4) Ignition coil
- (5) Intake oil flow control solenoid valve

- (6) Secondary air pump
- (7) Secondary air combination valve RH

- (8) Secondary air combination valve LH
- (9) Tumble generator valve ASSY

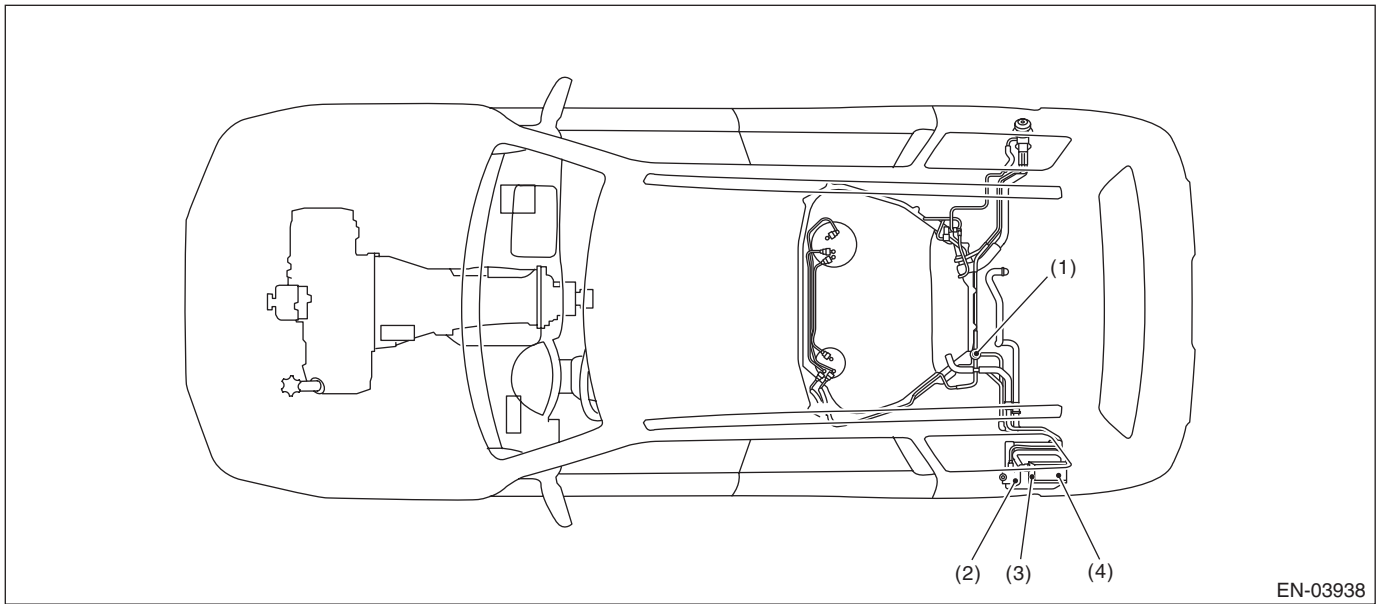
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## ENGINE (DIAGNOSTICS)

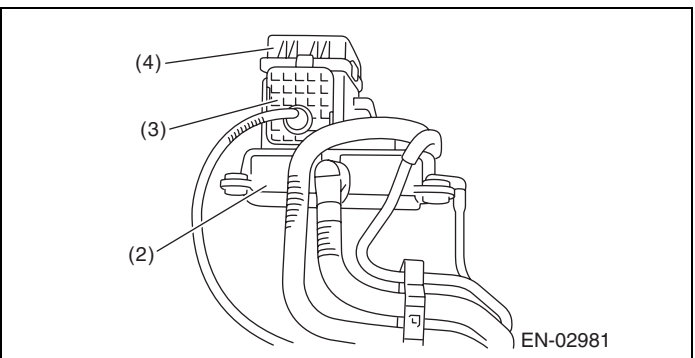
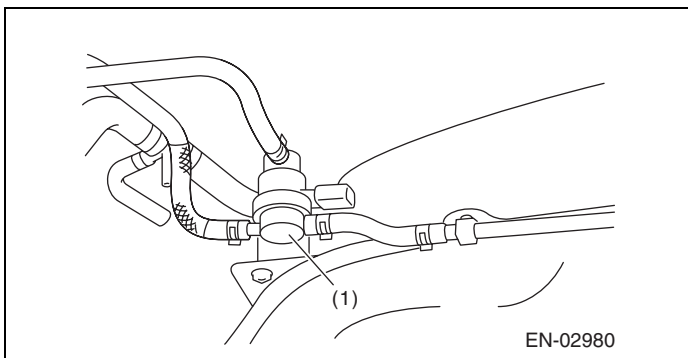


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ENGINE (DIAGNOSTICS)



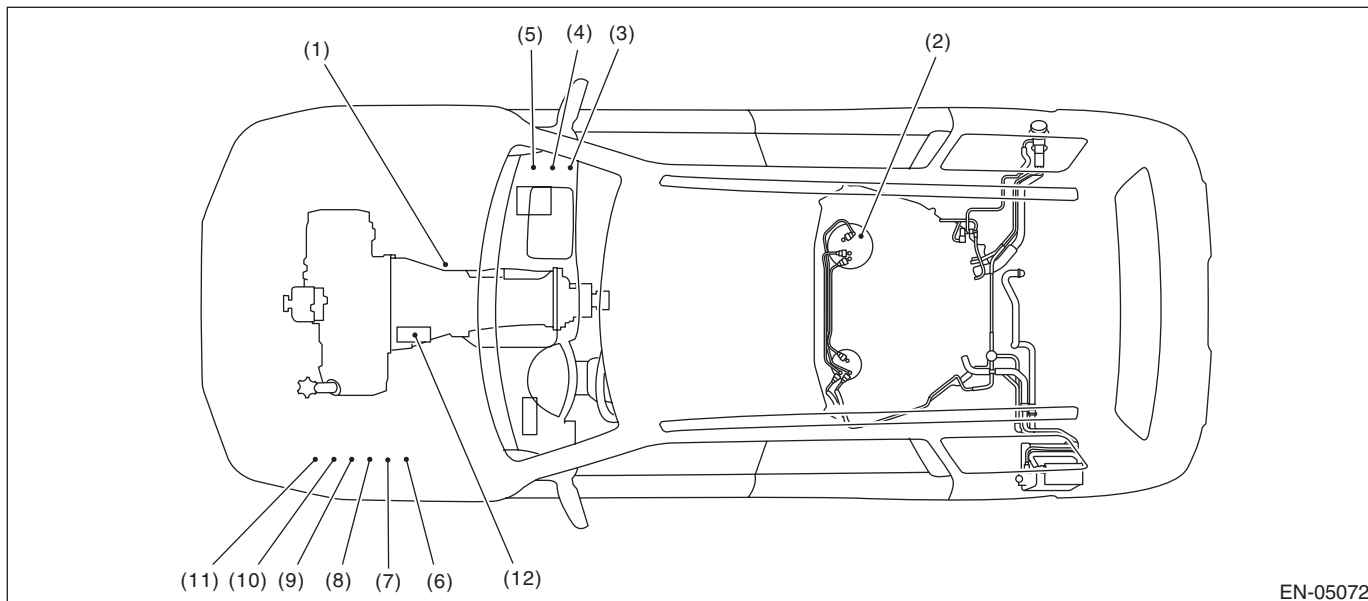
- (1) Pressure control solenoid valve      (3) Drain valve      (4) Drain filter  
(2) Canister





# Electrical Component Location

## ENGINE (DIAGNOSTICS)



EN-05072

- |                                       |                                             |                                              |
|---------------------------------------|---------------------------------------------|----------------------------------------------|
| (1) Inhibitor switch                  | (6) Radiator main fan relay 1               | (10) Secondary air combination valve relay 2 |
| (2) Fuel pump                         | (7) Radiator sub fan relay                  | (11) Secondary air pump relay                |
| (3) Main relay                        | (8) Radiator main fan relay 2               | (12) Starter                                 |
| (4) Fuel pump relay                   | (9) Secondary air combination valve relay 1 |                                              |
| (5) Electronic throttle control relay |                                             |                                              |

|                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Diagram showing the location of component (1) on the engine. The component is a small, rectangular unit mounted on the engine block, with a spring and a hose connected to it.</p> <p>EN-00178</p>                                                                                                                      | <p>Diagram showing the location of component (2) on the engine. The component is a cylindrical unit with a top flange and a bottom flange, with a hose connected to the bottom.</p> <p>EN-02093</p>                                                                                                                                                                                                                                                                                                                                                                   |
| <p>Diagram showing the location of components (3), (4), and (5) on the engine. Component (3) is a small, rectangular unit mounted on the engine block. Component (4) is a small, rectangular unit mounted on the engine block. Component (5) is a small, rectangular unit mounted on the engine block.</p> <p>EN-03150</p> | <p>Diagram showing the location of components (6), (7), (8), (9), (10), and (11) on the engine. Component (6) is a small, rectangular unit mounted on the engine block. Component (7) is a small, rectangular unit mounted on the engine block. Component (8) is a small, rectangular unit mounted on the engine block. Component (9) is a small, rectangular unit mounted on the engine block. Component (10) is a small, rectangular unit mounted on the engine block. Component (11) is a small, rectangular unit mounted on the engine block.</p> <p>EN-05073</p> |
| <p>Diagram showing the location of component (12) on the engine. The component is a small, rectangular unit mounted on the engine block, with a hose connected to it.</p> <p>EN-05074</p>                                                                                                                                  | <p>SUBARU</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |