

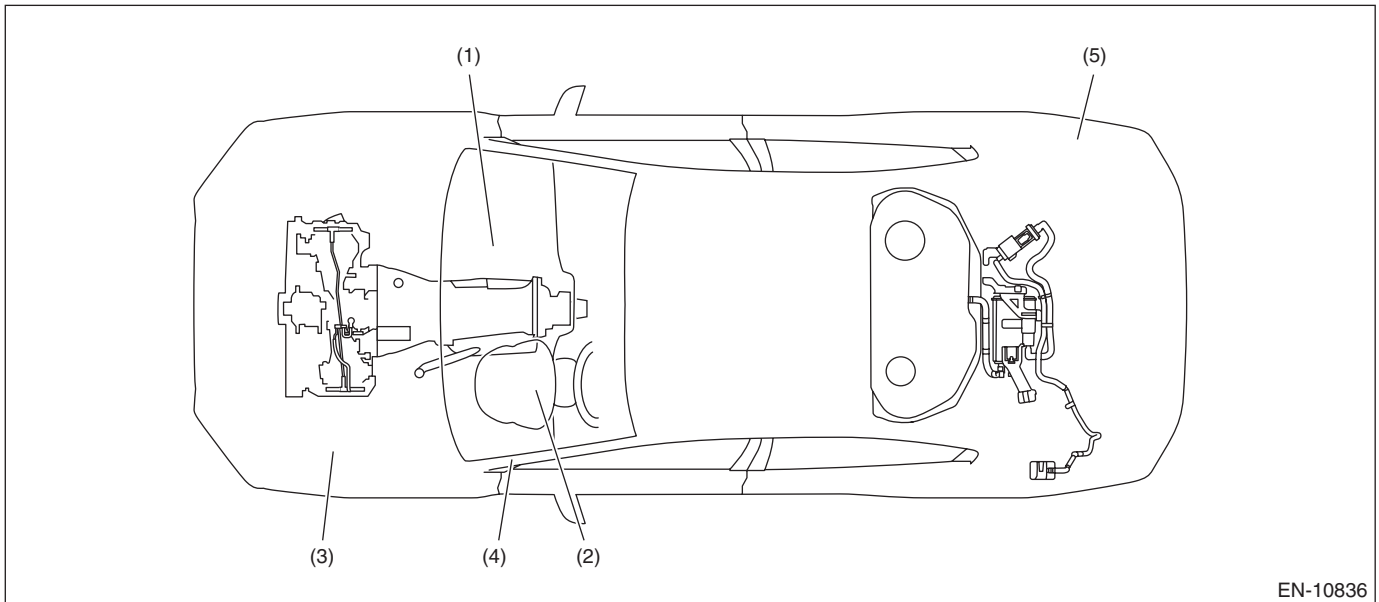
Electrical Component Location

ENGINE (DIAGNOSTICS)

4. Electrical Component Location

A: LOCATION

1. CONTROL MODULE

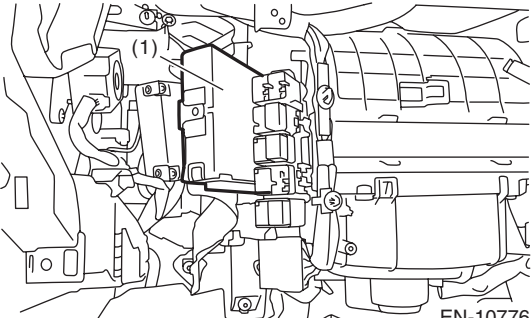
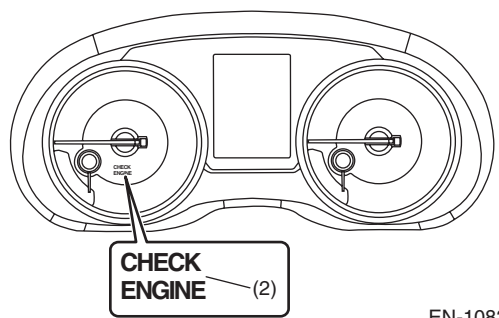
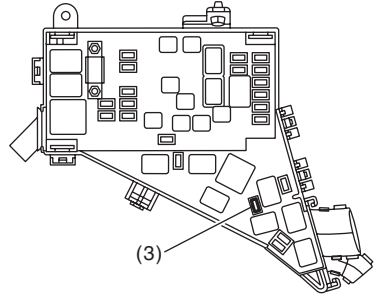
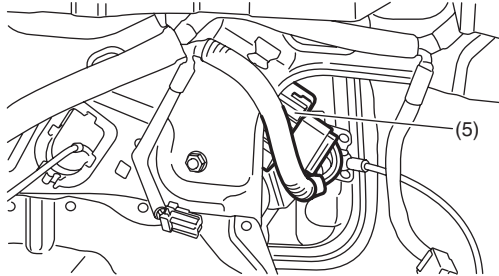
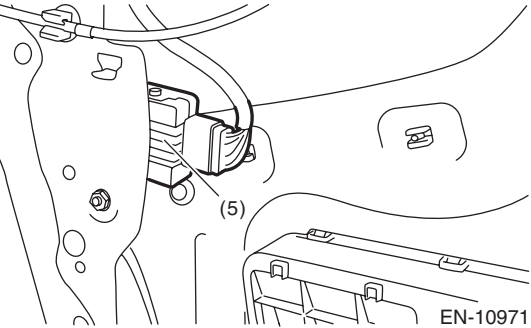


EN-10836

- (1) Engine control module (ECM)
- (2) Malfunction indicator light

- (3) Delivery mode fuse
- (4) Data link connector

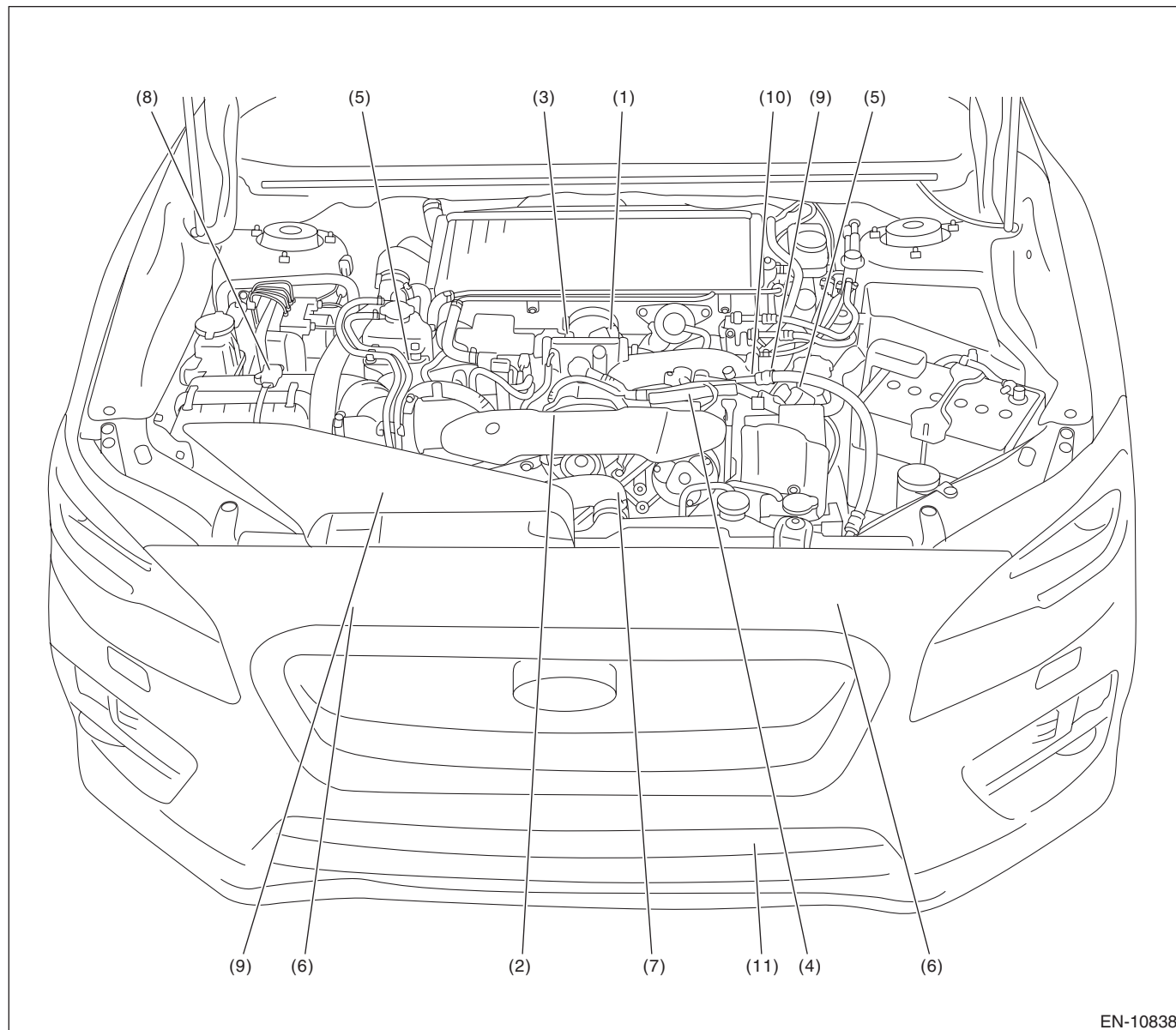
- (5) Fuel pump control unit

 <p>EN-10776</p>	 <p>EN-10831</p>
 <p>EN-10837</p>	 <p>EN-10212</p>
 <p>EN-10971</p>	<p>SUBARU.</p>

Electrical Component Location

ENGINE (DIAGNOSTICS)

2. SENSOR

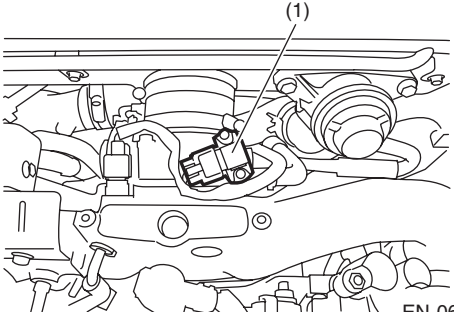
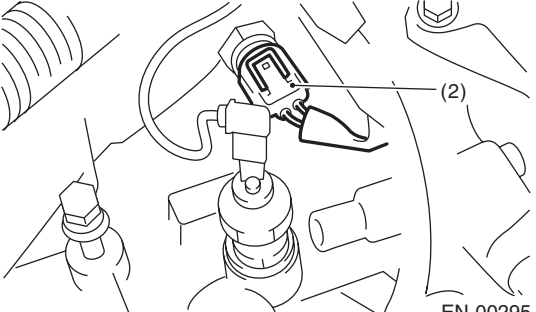
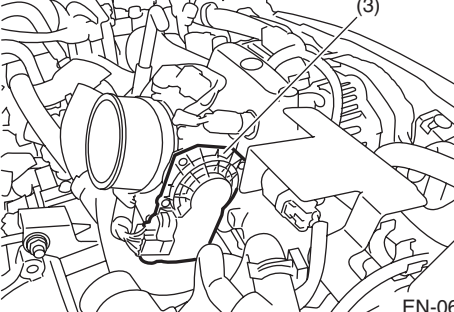
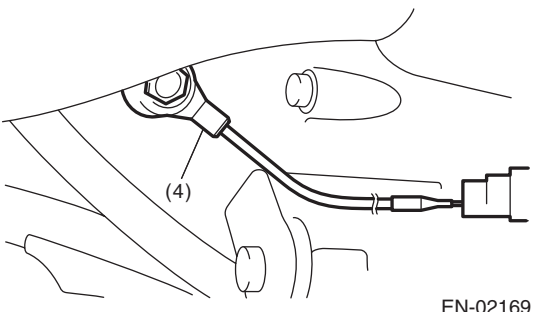
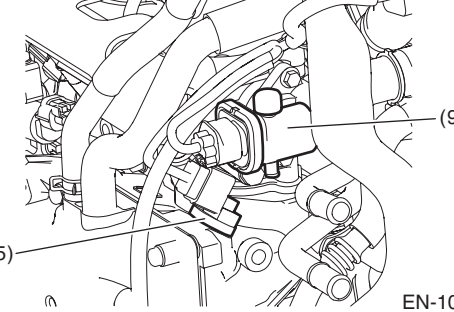
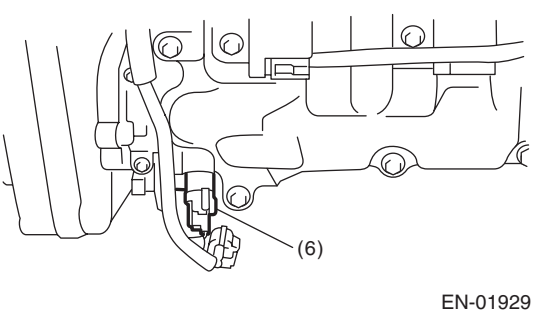
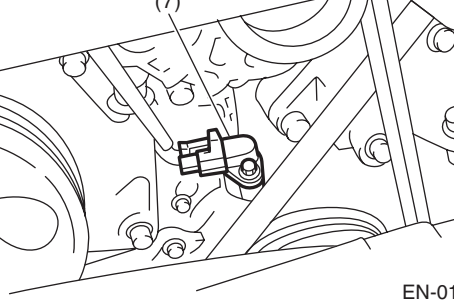
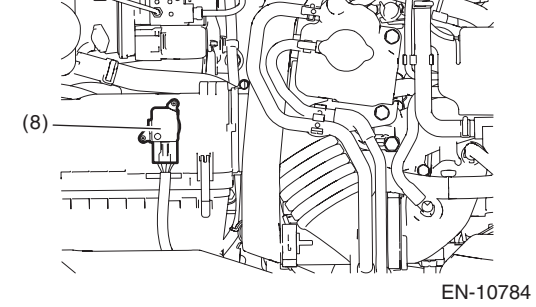
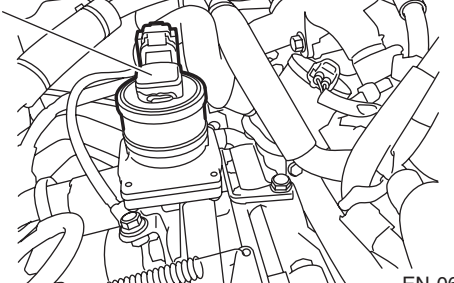
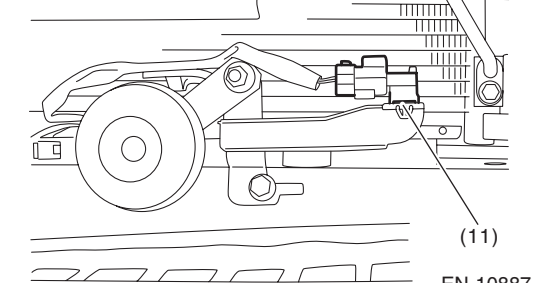


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- | | | |
|---------------------------------------|---|--|
| (1) Manifold absolute pressure sensor | (5) Intake camshaft position sensor | (9) Tumble generator valve ASSY (with built-in sensor) |
| (2) Engine coolant temperature sensor | (6) Exhaust camshaft position sensor | (10) Secondary air combination valve LH (with built-in sensor) |
| (3) Electronic throttle control | (7) Crankshaft position sensor | (11) Ambient sensor |
| (4) Knock sensor | (8) Mass air flow and intake air temperature sensor | |

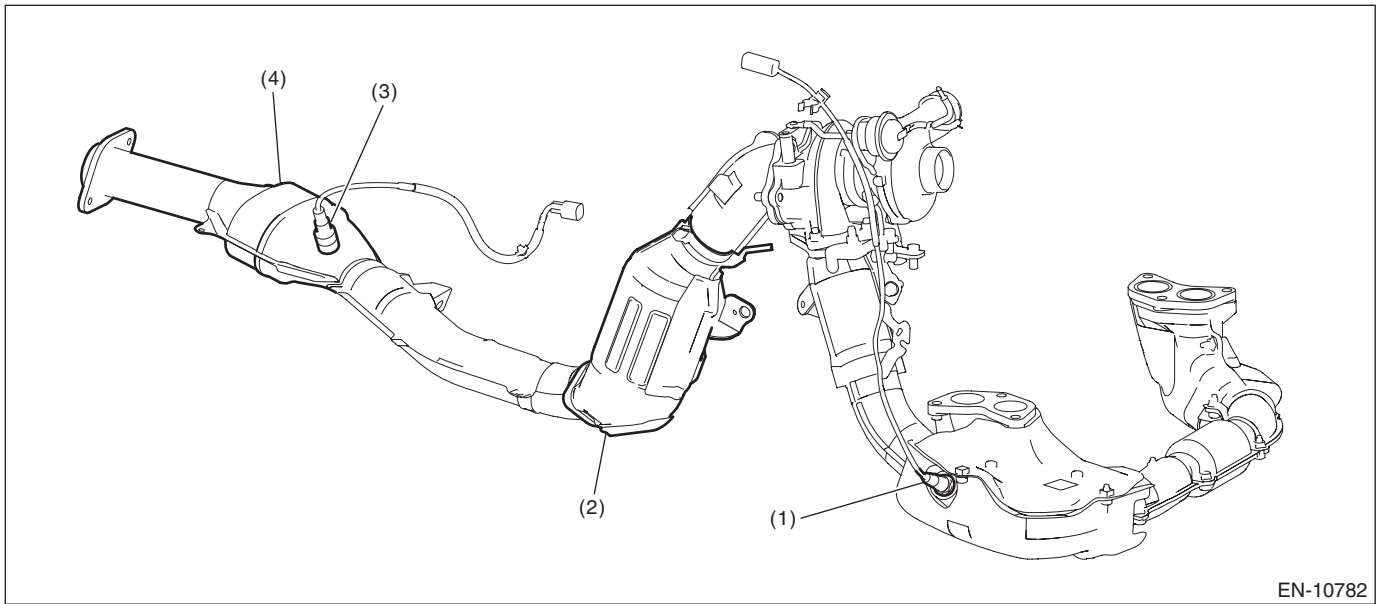
Electrical Component Location

ENGINE (DIAGNOSTICS)

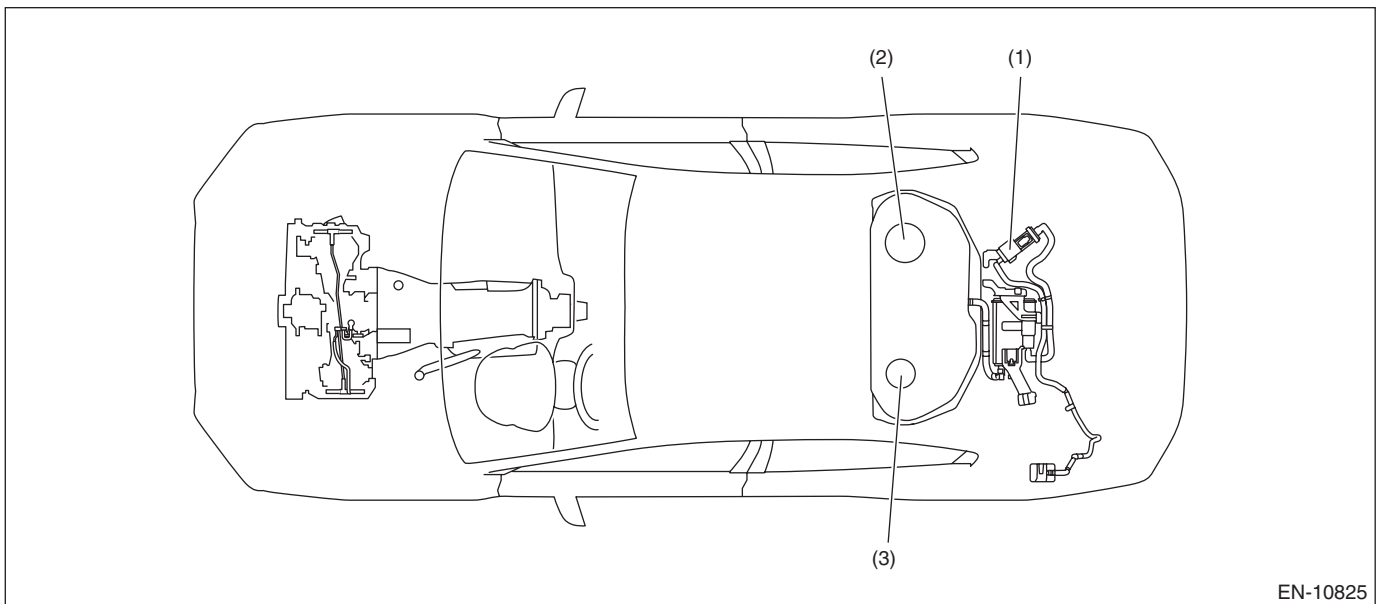
 <p>(1)</p> <p>EN-06418</p>	 <p>(2)</p> <p>EN-00295</p>
 <p>(3)</p> <p>EN-06419</p>	 <p>(4)</p> <p>EN-02169</p>
 <p>(5)</p> <p>(9)</p> <p>EN-10785</p>	 <p>(6)</p> <p>EN-01929</p>
 <p>(7)</p> <p>EN-01930</p>	 <p>(8)</p> <p>(9)</p> <p>EN-10784</p>
 <p>(10)</p> <p>EN-06421</p>	 <p>(11)</p> <p>EN-10887</p>

Electrical Component Location

ENGINE (DIAGNOSTICS)



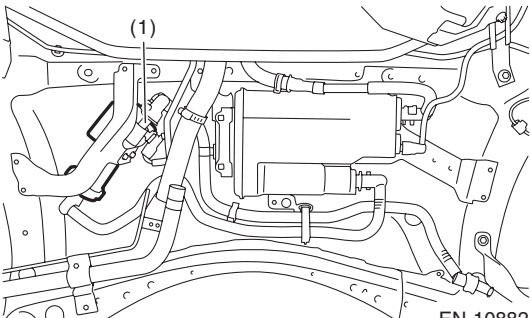
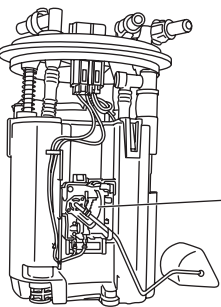
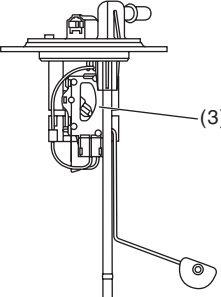
- (1) Front oxygen (A/F) sensor (3) Rear oxygen sensor (4) Rear catalytic converter
(2) Front catalytic converter



- (1) Leak check valve ASSY (with built-in pressure sensor) (2) Fuel level sensor (3) Fuel sub level sensor

Electrical Component Location

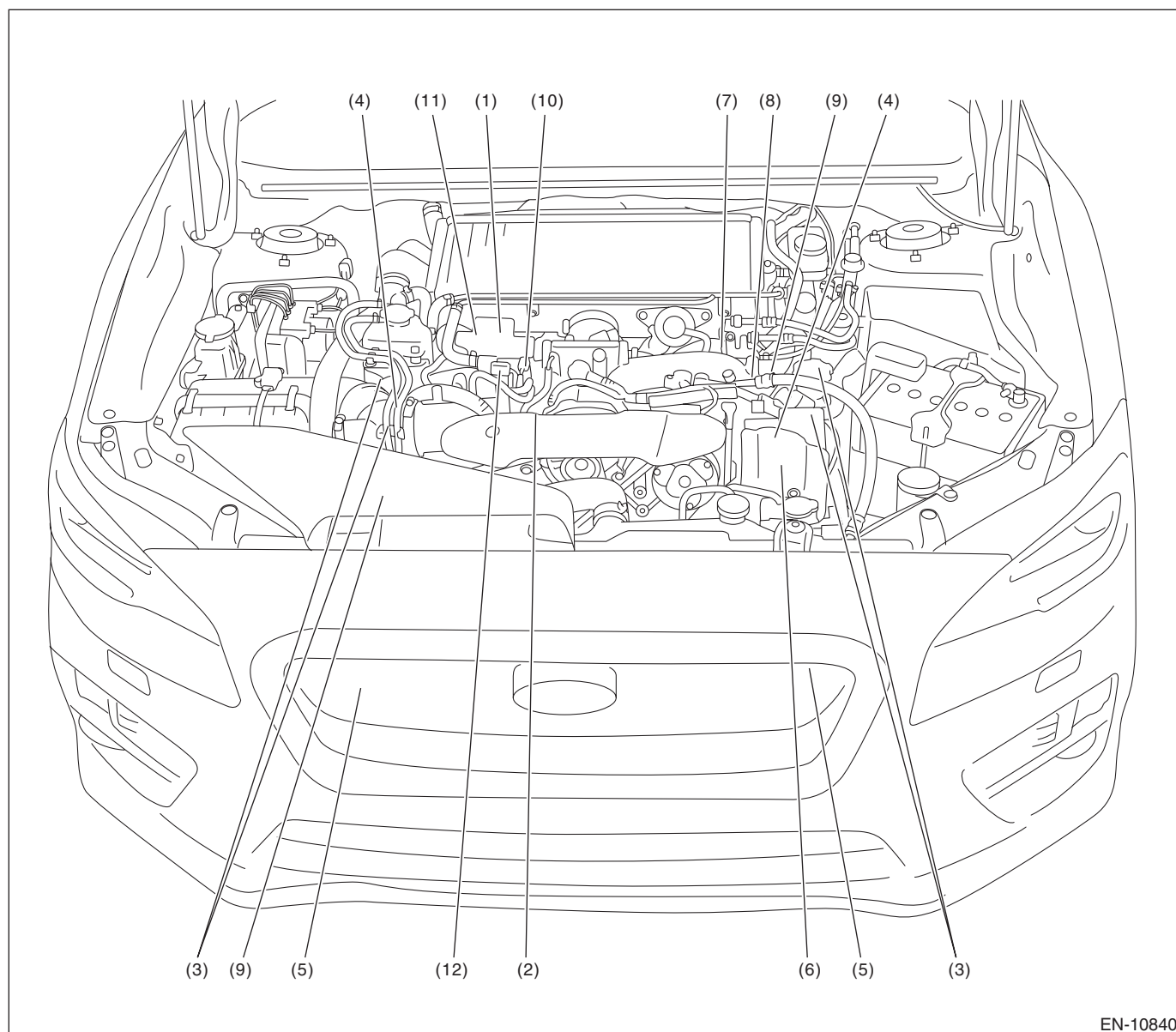
ENGINE (DIAGNOSTICS)

 <p>Diagram showing the engine wiring harness (1) installed in the engine compartment. The harness is connected to the battery and other electrical components. The label (1) points to the main harness.</p> <p>EN-10882</p>	 <p>Diagram showing the engine control unit (2) installed in the engine compartment. The unit is connected to the engine and other electrical components. The label (2) points to the control unit.</p> <p>EN-09239</p>
 <p>Diagram showing the engine control unit (3) installed in the engine compartment. The unit is connected to the engine and other electrical components. The label (3) points to the control unit.</p> <p>EN-09240</p>	<p>SUBARU.</p>

Electrical Component Location

ENGINE (DIAGNOSTICS)

3. SOLENOID VALVE, ACTUATOR, EMISSION CONTROL SYSTEM PARTS AND IGNITION SYSTEM PARTS

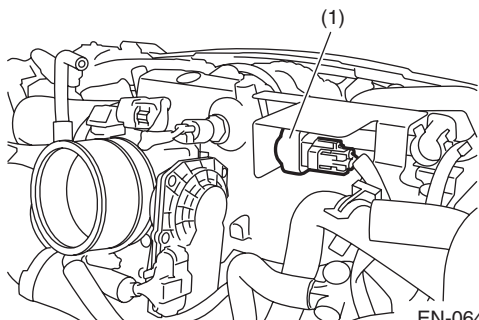


EN-10840

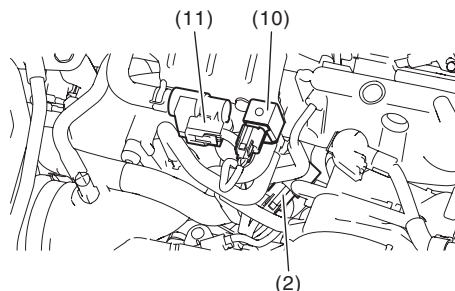
- | | | |
|--|---|-------------------------------------|
| (1) Wastegate control solenoid valve | (5) Exhaust oil flow control solenoid valve | (9) Tumble generator valve ASSY |
| (2) Purge control solenoid valve 1 | (6) Secondary air pump | (10) Purge control solenoid valve 2 |
| (3) Ignition coil | (7) Secondary air combination valve RH | (11) Leak diagnosis connector 1 |
| (4) Intake oil flow control solenoid valve | (8) Secondary air combination valve LH | (12) Leak diagnosis connector 2 |

Electrical Component Location

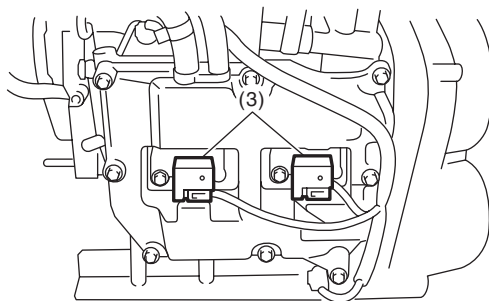
ENGINE (DIAGNOSTICS)



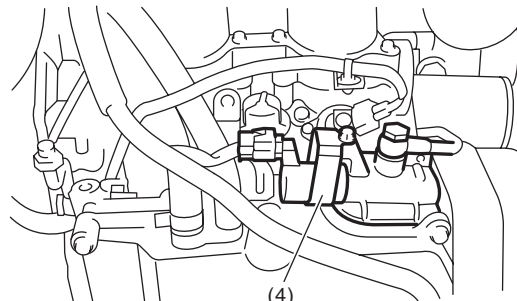
EN-06426



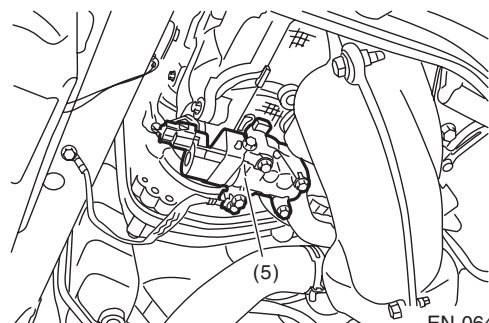
EN-10777



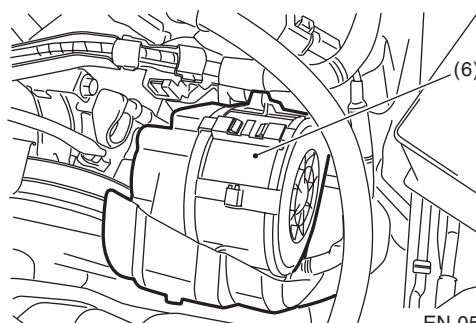
EN-01936



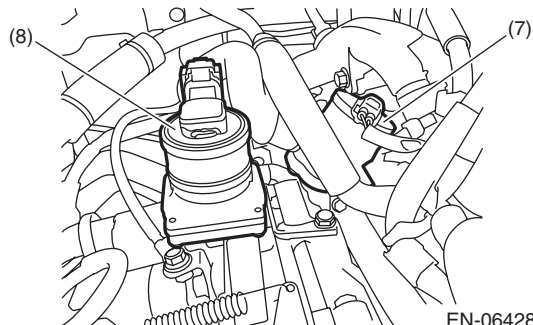
EN-01937



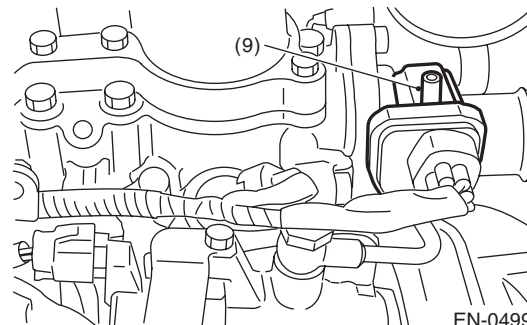
EN-06460



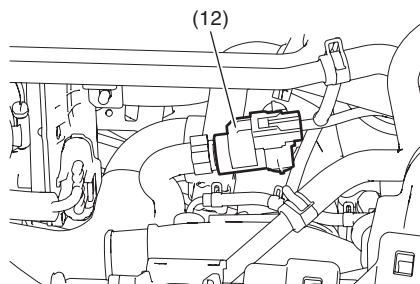
EN-05586



EN-06428



EN-04992

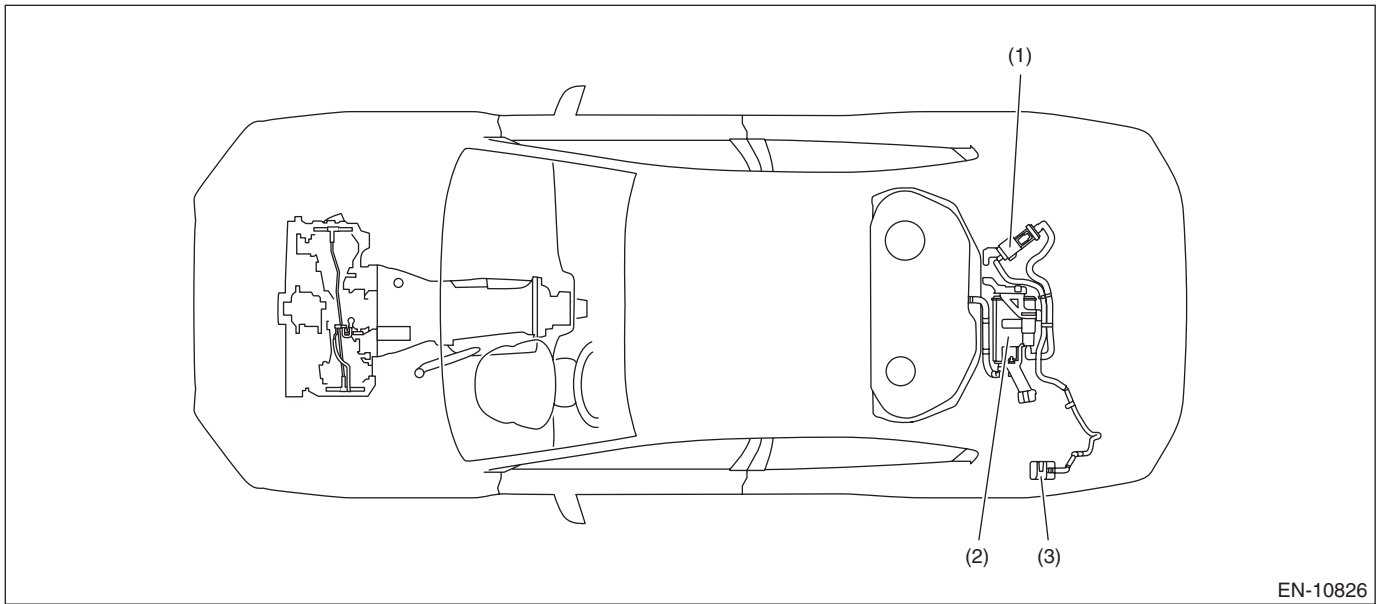


EN-10778

SUBARU

Electrical Component Location

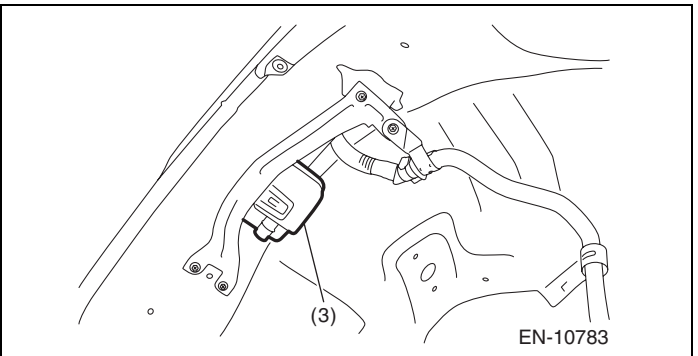
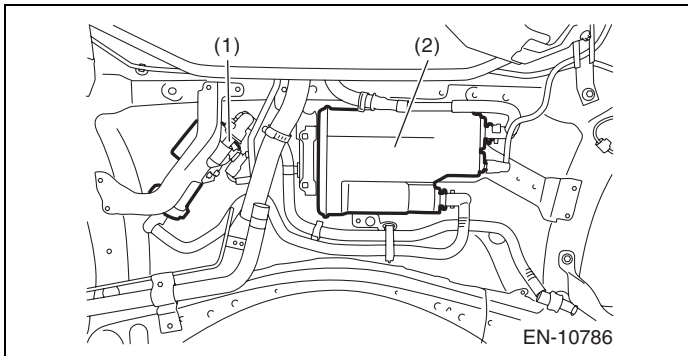
ENGINE (DIAGNOSTICS)



(1) Leak check valve ASSY

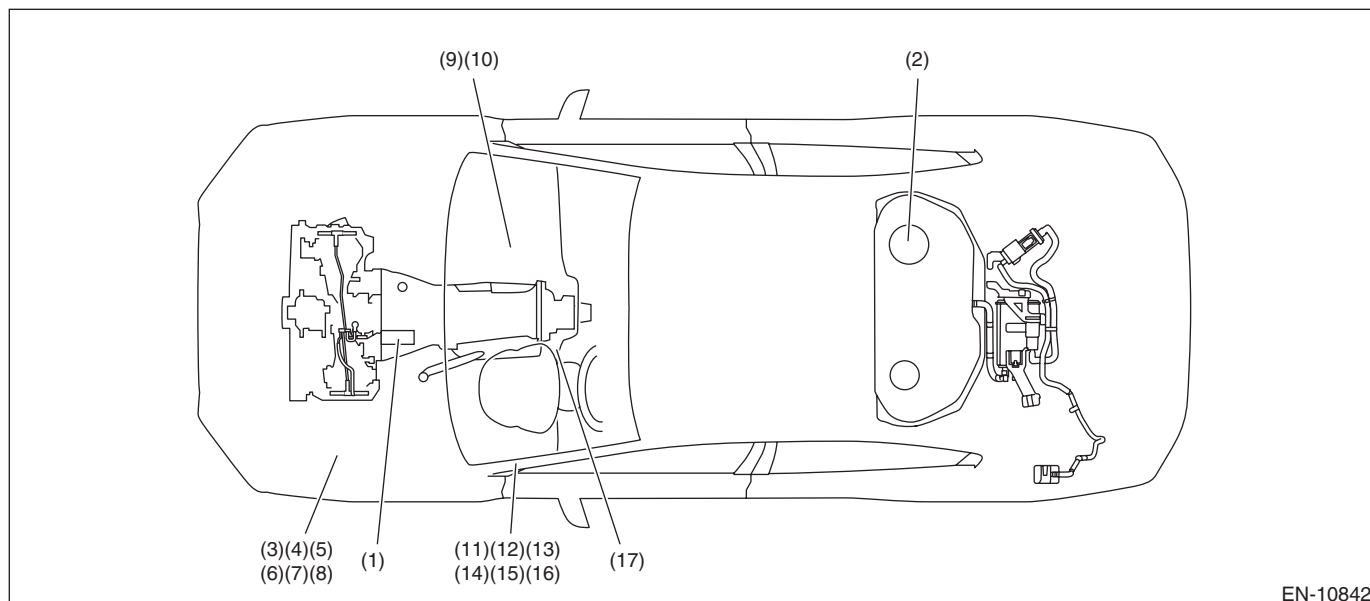
(2) Canister

(3) Drain filter



Electrical Component Location

ENGINE (DIAGNOSTICS)

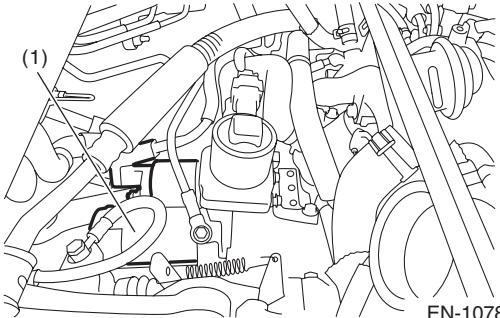
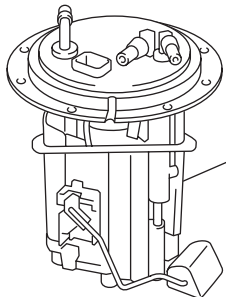
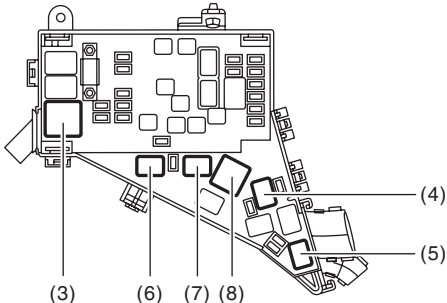
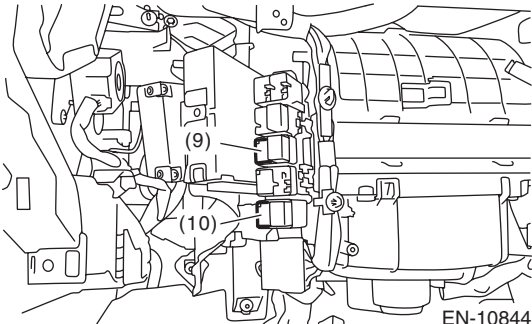
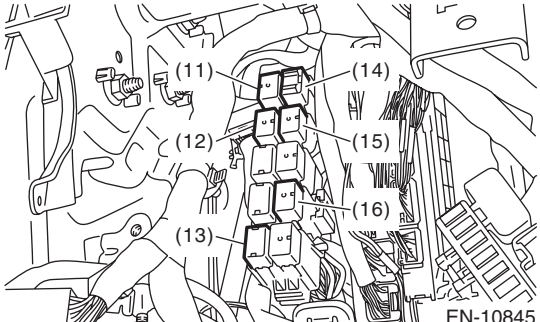
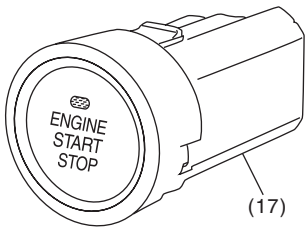


EN-10842

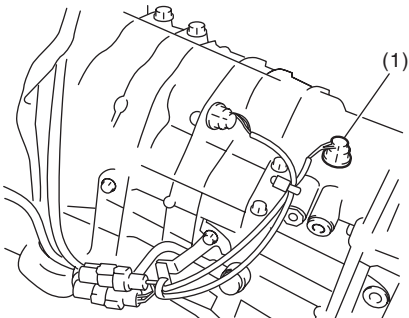

- | | | |
|---|---|---|
| (1) Starter | (7) Secondary air combination valve relay 2 | (13) Starter relay 1 |
| (2) Fuel pump | (8) Secondary air pump relay | (14) Starter cut relay (model with push button start) |
| (3) Radiator main fan relay 1 | (9) Main relay | (15) IG relay 1 (push button start) (model with push button start) |
| (4) Radiator main fan relay 2 | (10) Fuel pump relay | (16) Starter relay (push button start) (model with push button start) |
| (5) Radiator sub fan relay | (11) A/F, oxygen sensor relay | (17) Push button ignition switch (model with push button start) |
| (6) Secondary air combination valve relay 1 | (12) Electronic throttle control relay | |

Electrical Component Location

ENGINE (DIAGNOSTICS)

 <p>(1)</p> <p>EN-10780</p>	 <p>(2)</p> <p>EN-02093</p>
 <p>(3) (4) (5) (6) (7) (8)</p> <p>EN-10843</p>	 <p>(9) (10)</p> <p>EN-10844</p>
 <p>(11) (12) (13) (14) (15) (16)</p> <p>EN-10845</p>	 <p>(17)</p> <p>EN-10839</p>

4. TRANSMISSION

 <p>(1)</p> <p>EN-10885</p>	
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(1) Neutral position switch