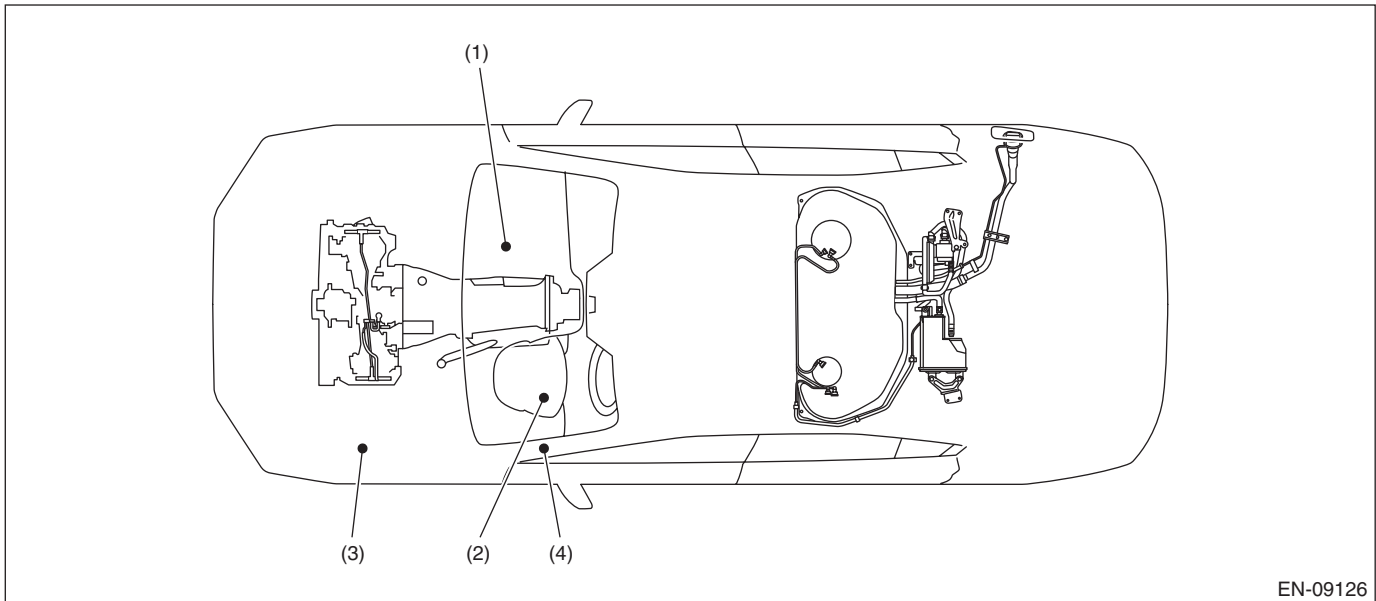


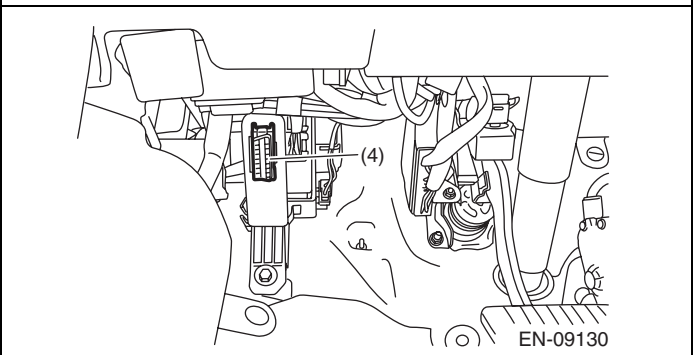
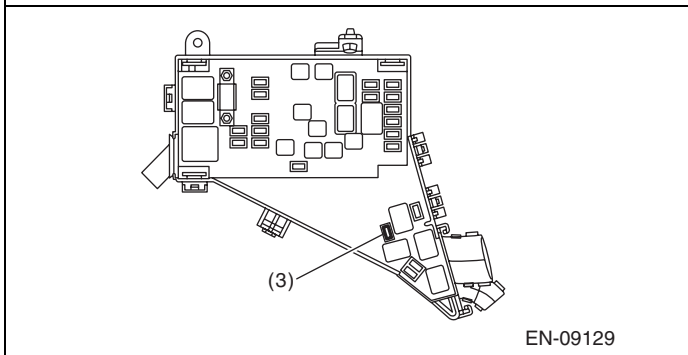
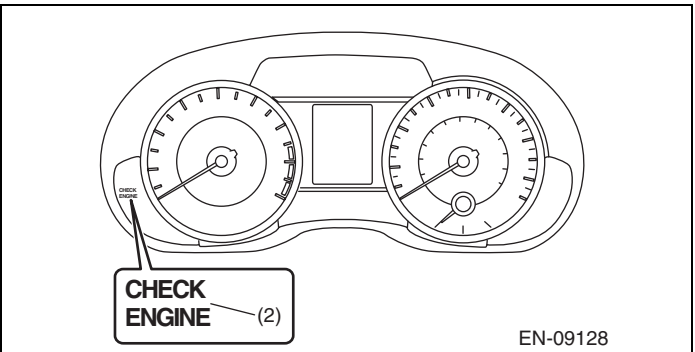
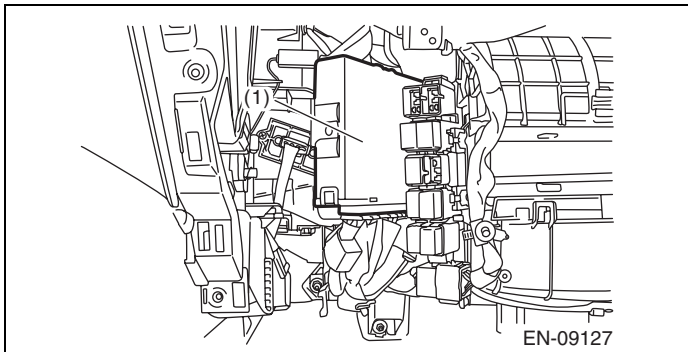
4. Electrical Component Location

A: LOCATION

1. CONTROL MODULE



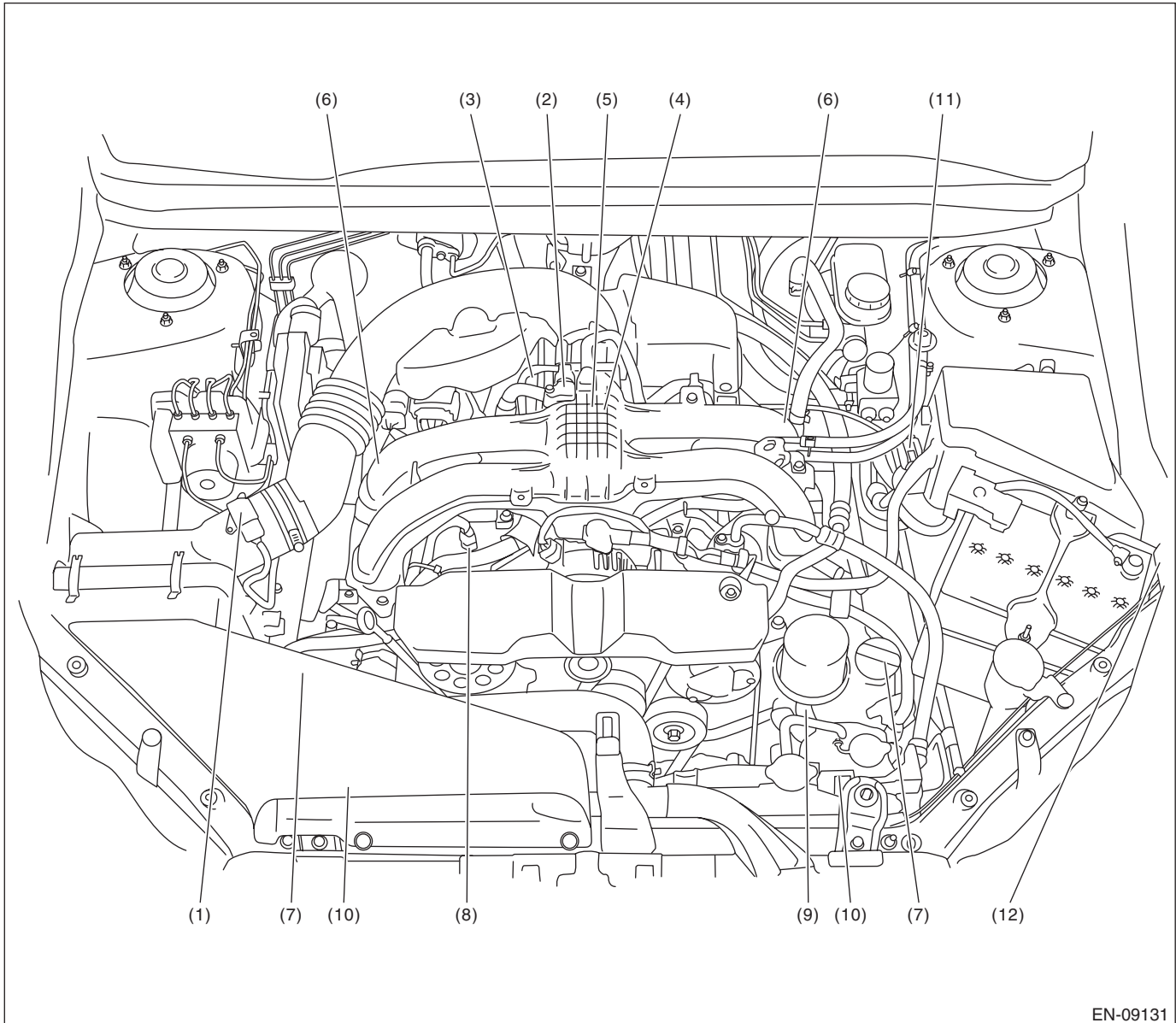
- | | | |
|---------------------------------|-------------------------------|-------------------------|
| (1) Engine control module (ECM) | (3) Delivery (test) mode fuse | (4) Data link connector |
| (2) Malfunction indicator light | | |



Electrical Component Location

ENGINE (DIAGNOSTICS)

2. SENSOR

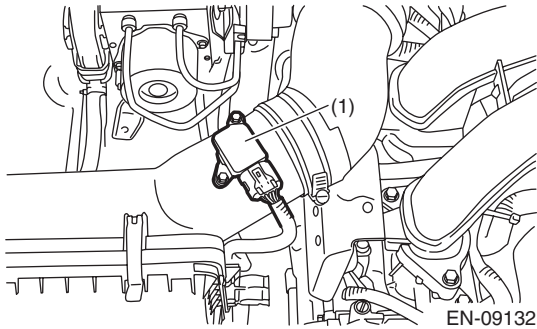


EN-09131

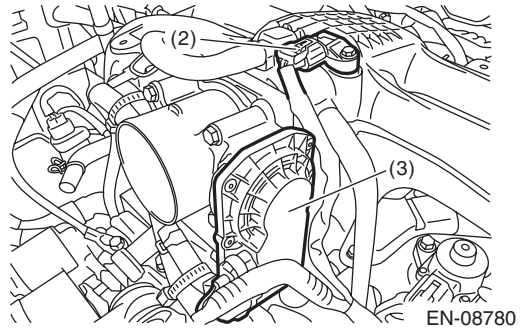
- | | | |
|---|---|---------------------------------------|
| (1) Mass air flow and intake air temperature sensor | (5) Crankshaft position sensor | (9) Engine oil temperature sensor |
| (2) Manifold absolute pressure sensor | (6) Tumble generator valve actuators (with built-in opening angle switch) | (10) Exhaust camshaft position sensor |
| (3) Electronic throttle control | (7) Intake camshaft position sensor | (11) Battery current sensor |
| (4) Knock sensor | (8) Engine coolant temperature sensor | (12) Battery temperature sensor |

Electrical Component Location

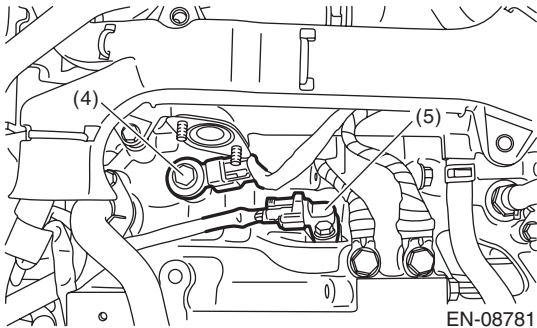
ENGINE (DIAGNOSTICS)



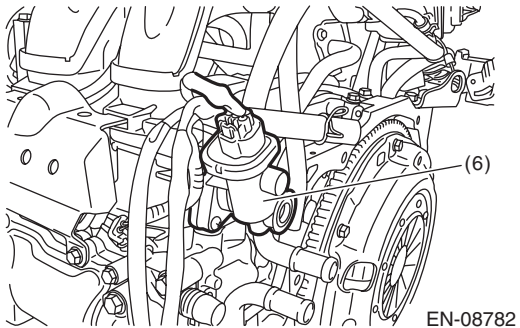
EN-09132



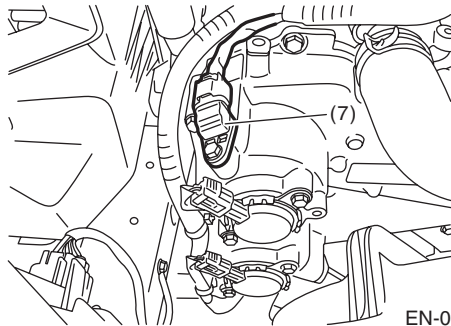
EN-08780



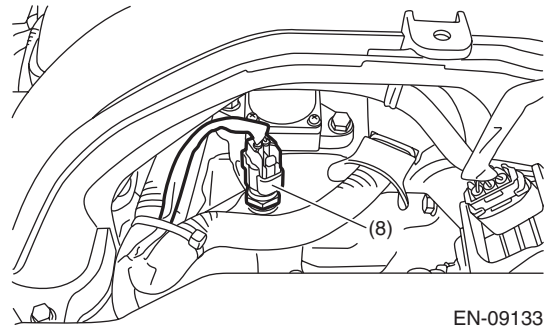
EN-08781



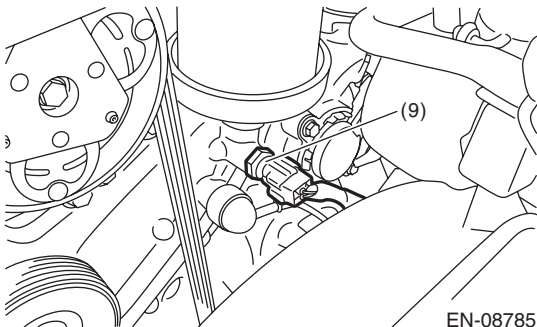
EN-08782



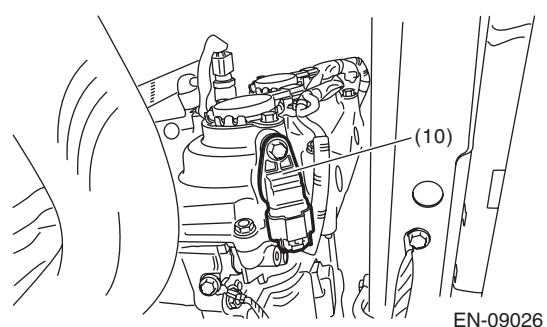
EN-09025



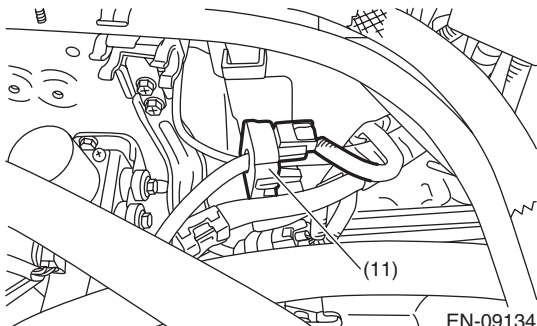
EN-09133



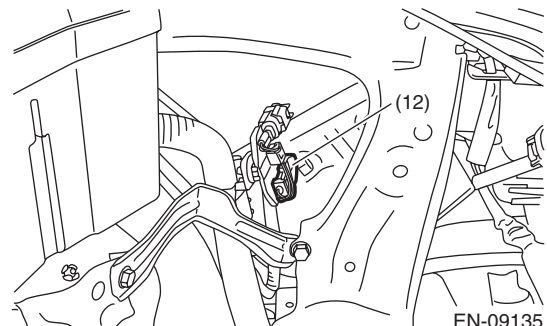
EN-08785



EN-09026



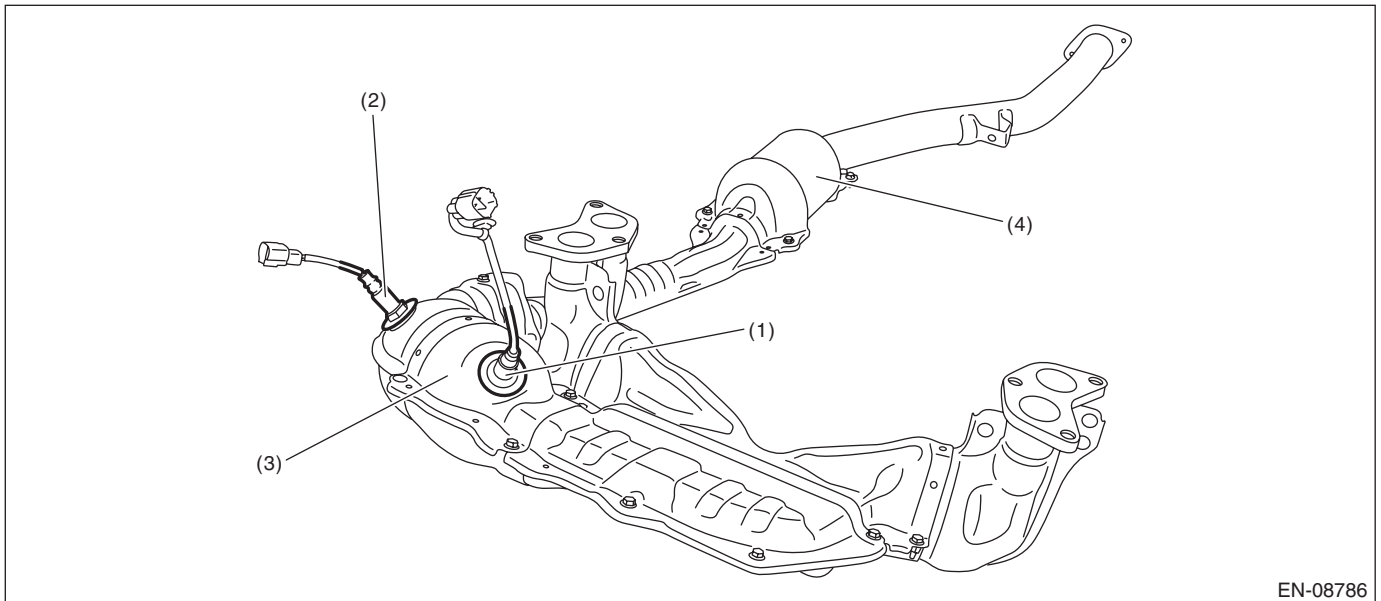
EN-09134



EN-09135

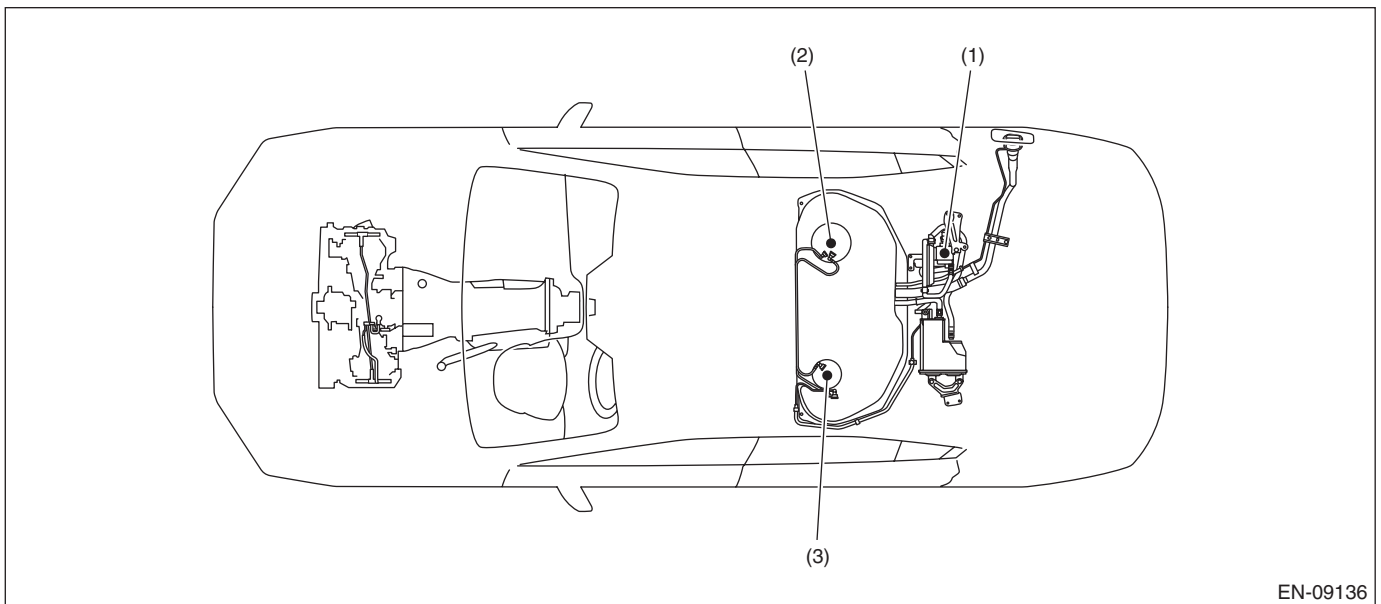
Electrical Component Location

ENGINE (DIAGNOSTICS)



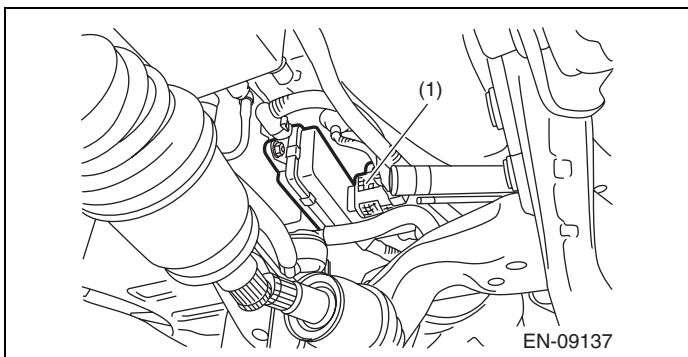
EN-08786

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

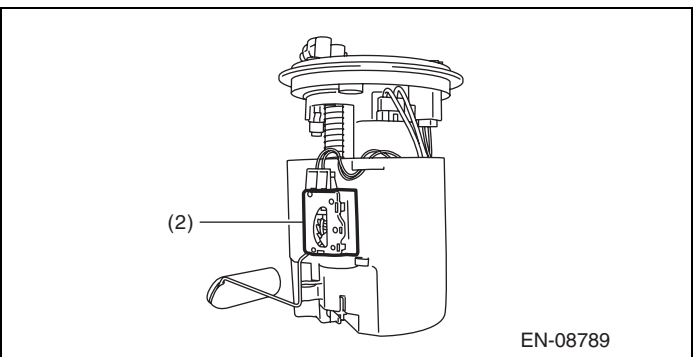


EN-09136

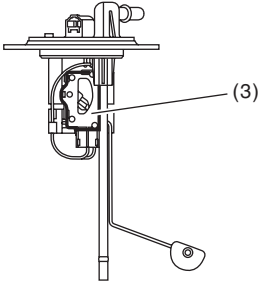
- (1) Leak check valve ASSY (with built-in pressure sensor)
- (2) Fuel level sensor
- (3) Fuel sub level sensor



EN-09137



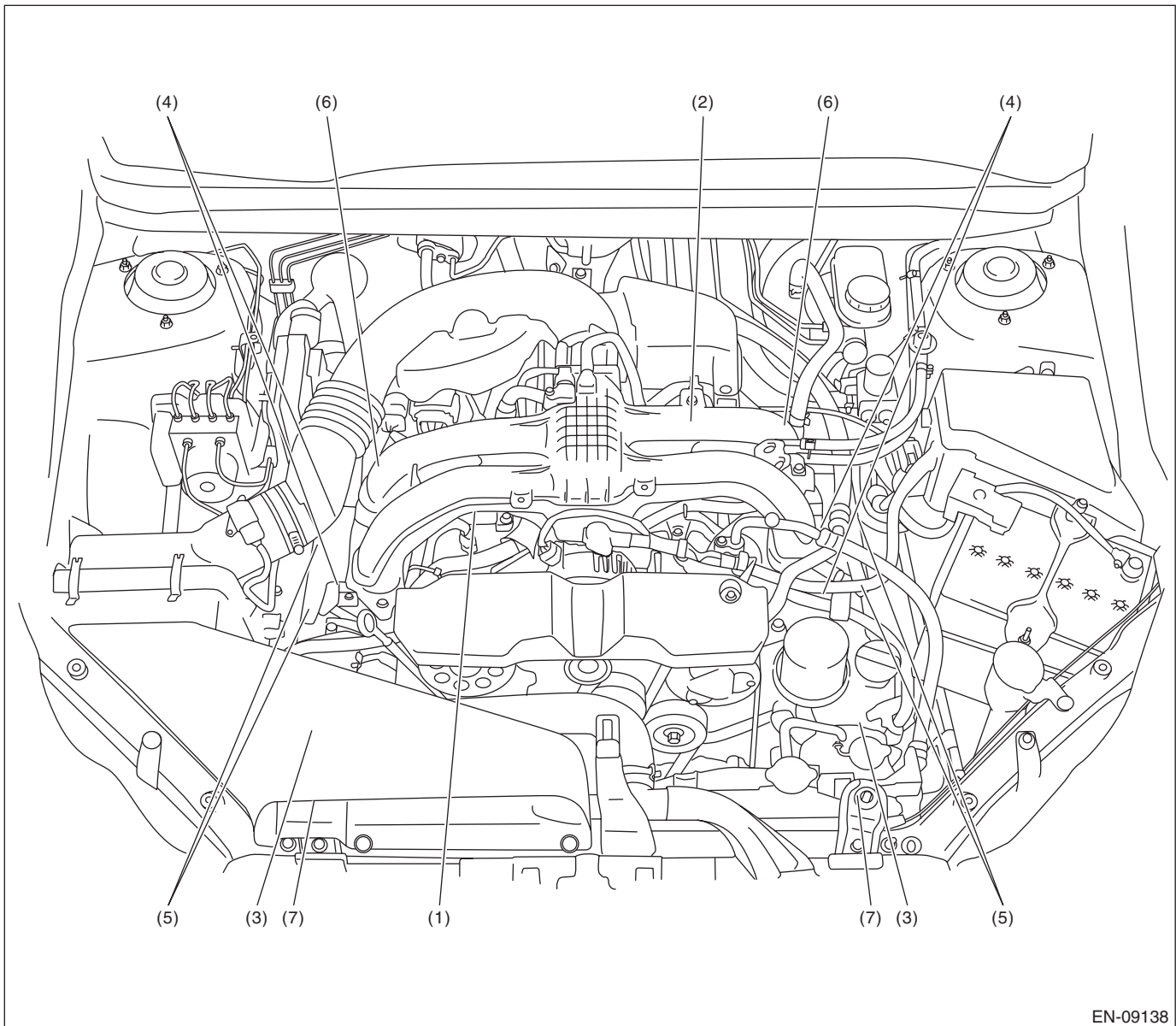
EN-08789

 EN-08790	SUBARU.
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Electrical Component Location

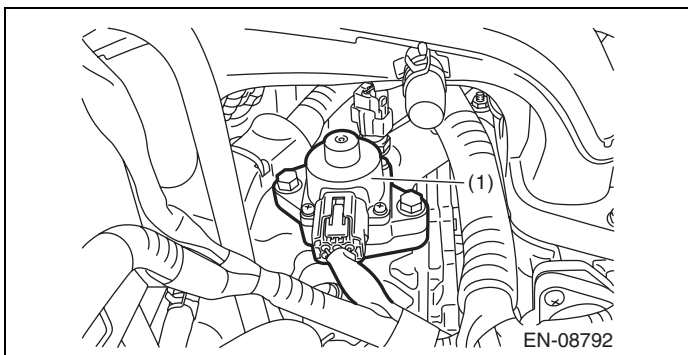
ENGINE (DIAGNOSTICS)

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

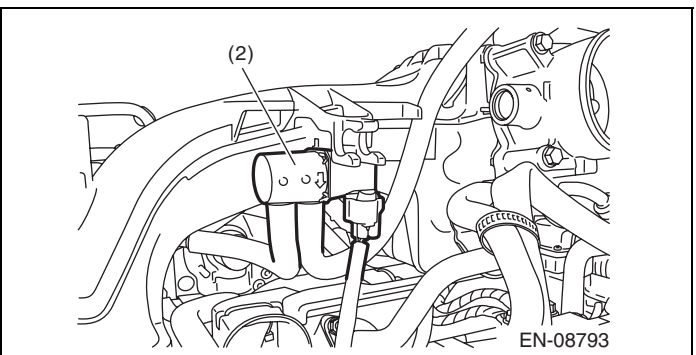


EN-09138

- | | | |
|----------------------------------|-------------------|-------------------------------------|
| (1) EGR control valve | (4) Fuel injector | (6) Tumble generator valve actuator |
| (2) Purge control solenoid valve | (5) Ignition coil | (7) Exhaust oil control solenoid |
| (3) Intake oil control solenoid | | |



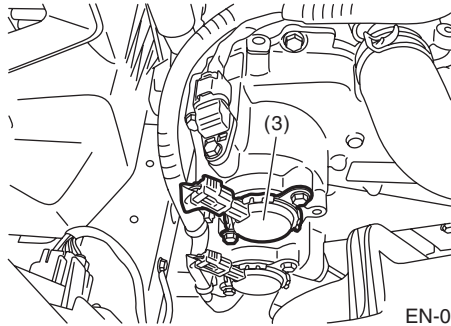
EN-08792



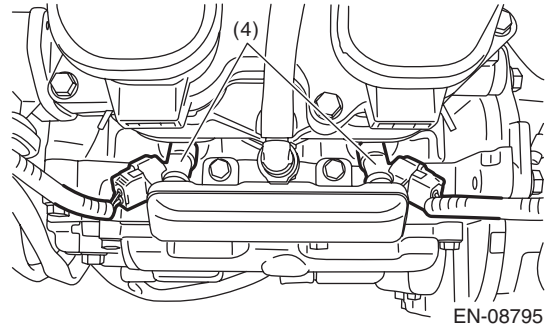
EN-08793

Electrical Component Location

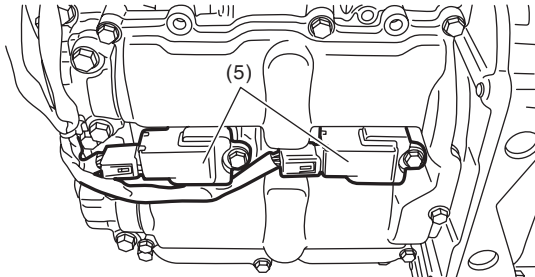
ENGINE (DIAGNOSTICS)



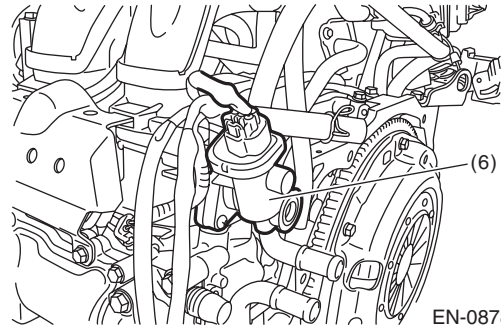
EN-09029



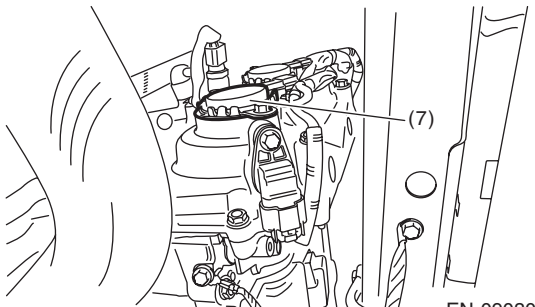
EN-08795



EN-08796



EN-08782

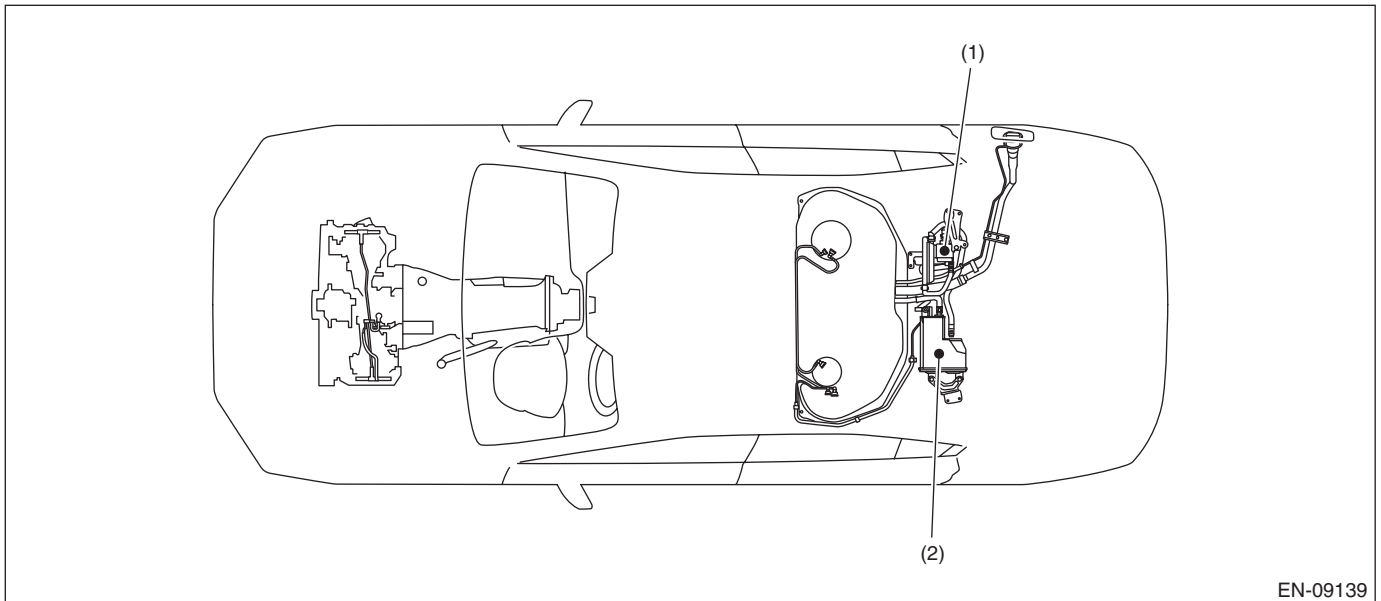


EN-09030

SUBARU.

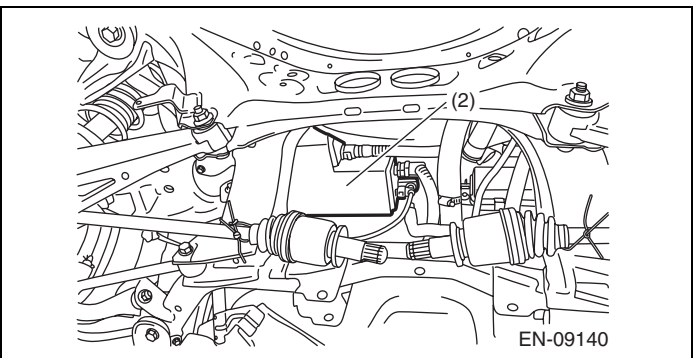
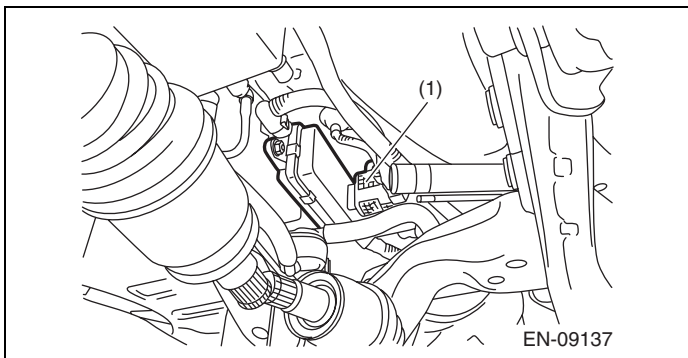
Electrical Component Location

ENGINE (DIAGNOSTICS)



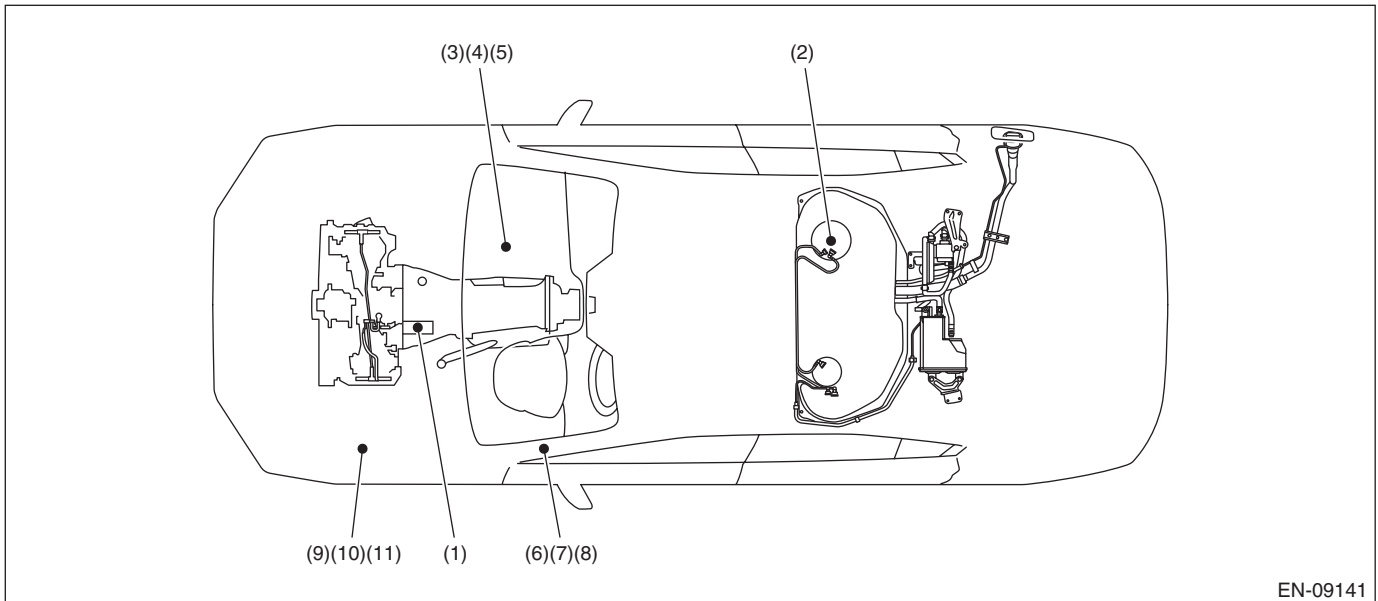
(1) Leak check valve ASSY

(2) Canister

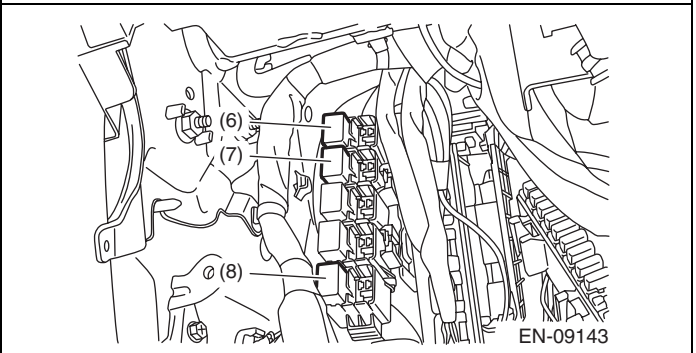
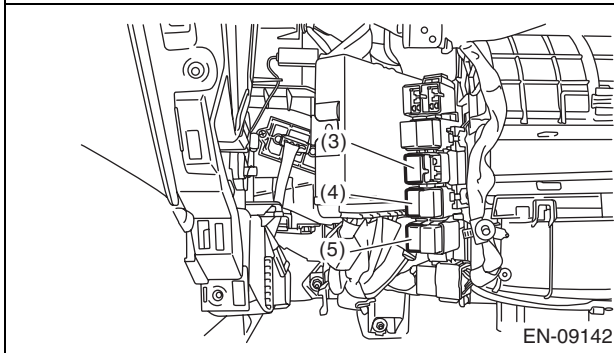
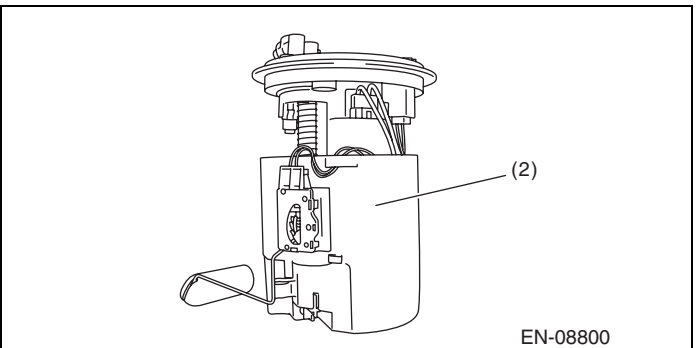
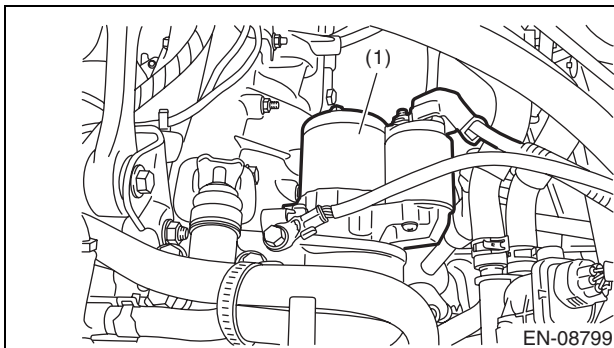


Electrical Component Location

ENGINE (DIAGNOSTICS)



- | | | |
|----------------|---------------------------------------|--------------------------------|
| (1) Starter | (5) Fuel pump relay | (9) Radiator main fan relay 1 |
| (2) Fuel pump | (6) A/F, oxygen sensor relay | (10) Radiator main fan relay 2 |
| (3) Main relay | (7) Electronic throttle control relay | (11) Radiator sub fan relay |
| (4) IG relay | (8) Starter relay 1 | |



Electrical Component Location

ENGINE (DIAGNOSTICS)

Diagram illustrating the location of electrical components (9), (10), and (11) on the engine. Component (9) is located on the left side of the engine block. Component (10) is located on the right side of the engine block. Component (11) is located on the right side of the engine block, below component (10). The diagram is labeled EN-09144.	SUBARU.
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