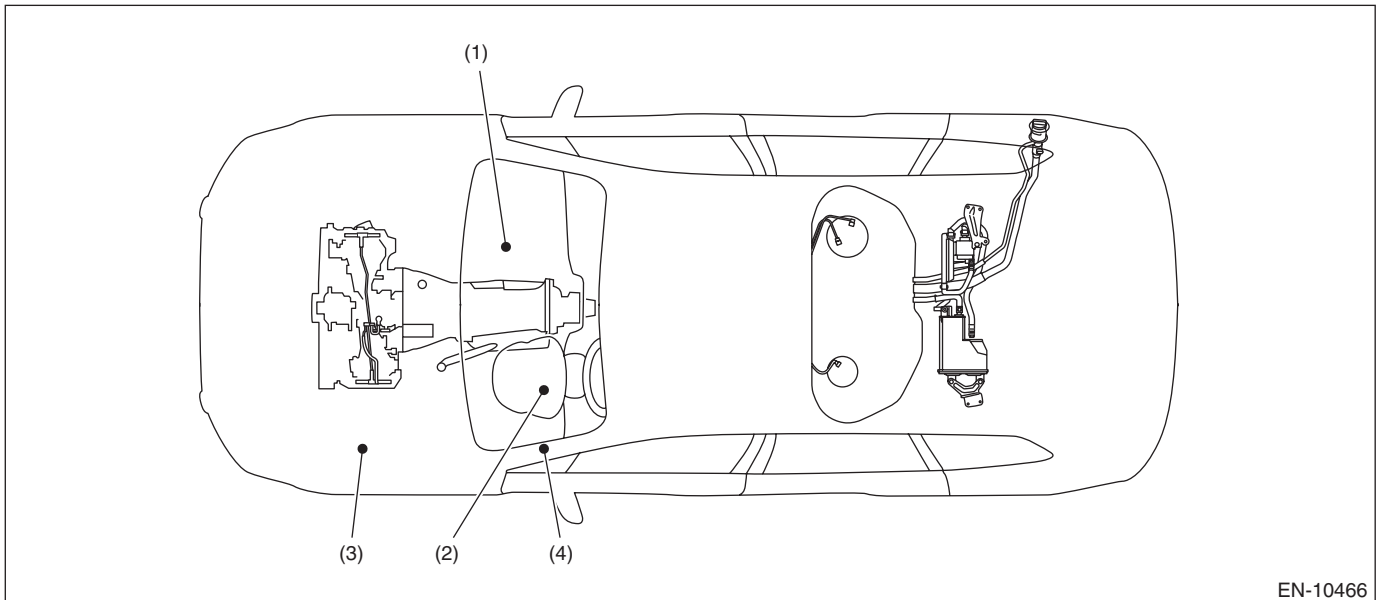


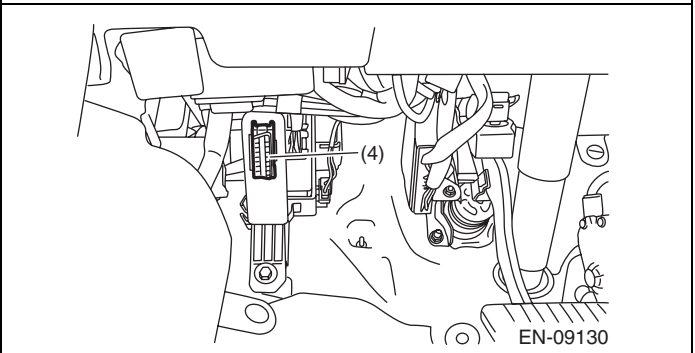
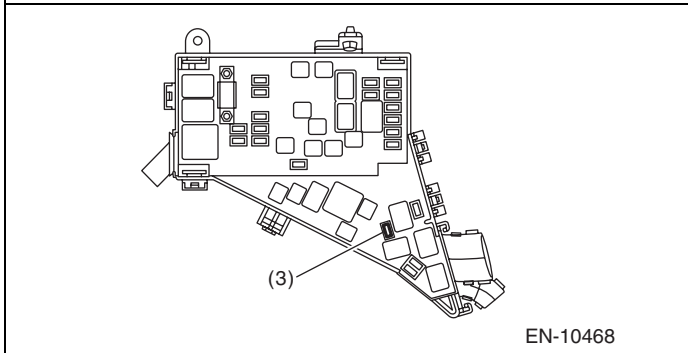
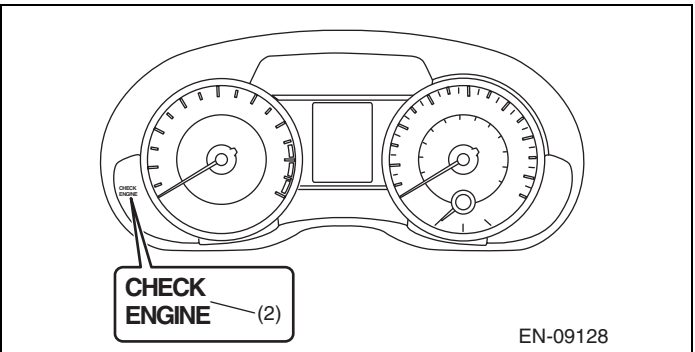
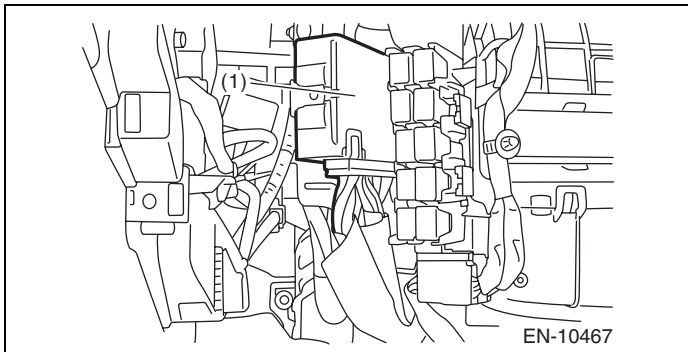
4. Electrical Component Location

A: LOCATION

1. CONTROL MODULE



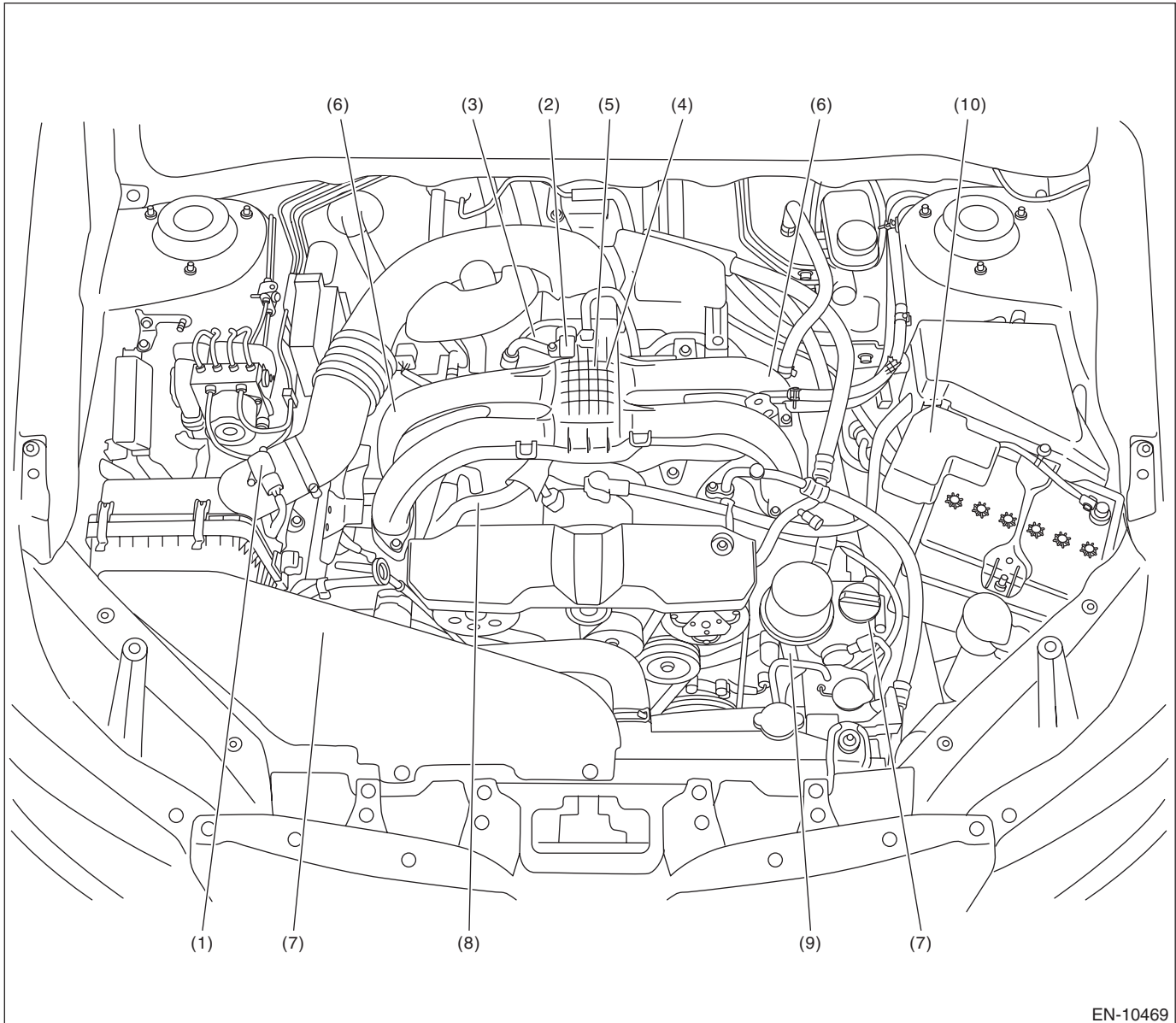
- | | | |
|---------------------------------|------------------------|-------------------------|
| (1) Engine control module (ECM) | (3) Delivery mode fuse | (4) Data link connector |
| (2) Malfunction indicator light | | |



Electrical Component Location

ENGINE (DIAGNOSTICS)

2. SENSOR

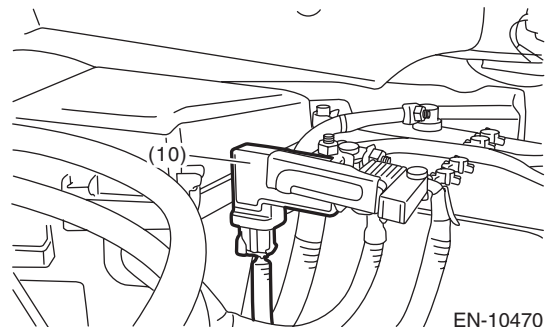
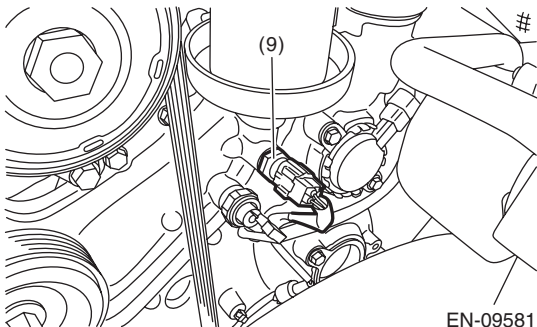
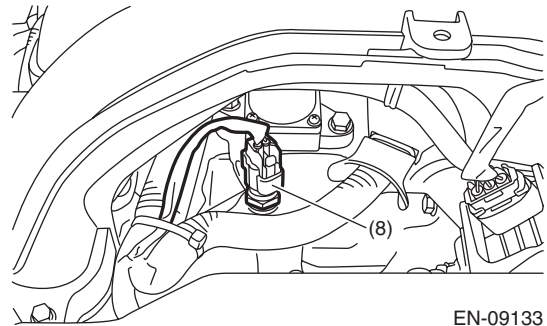
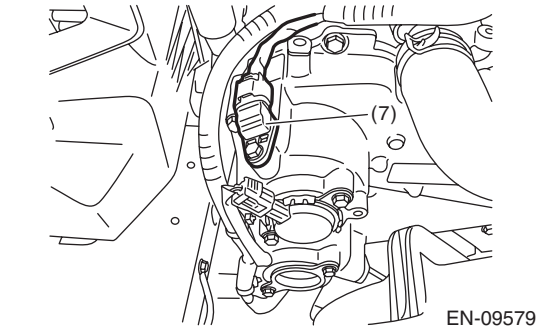
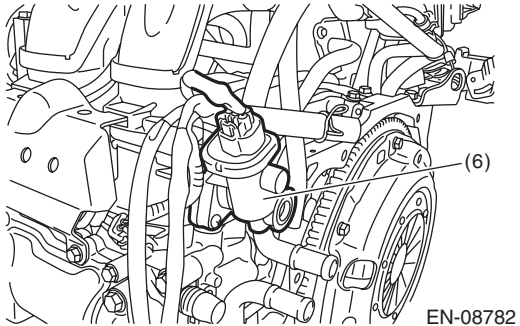
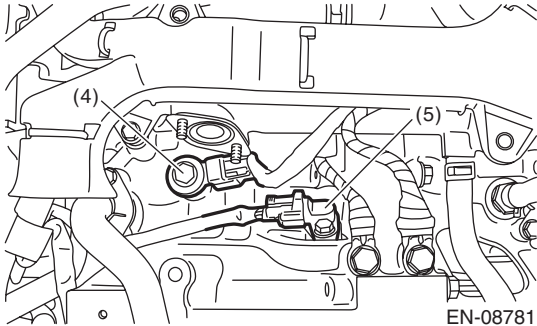
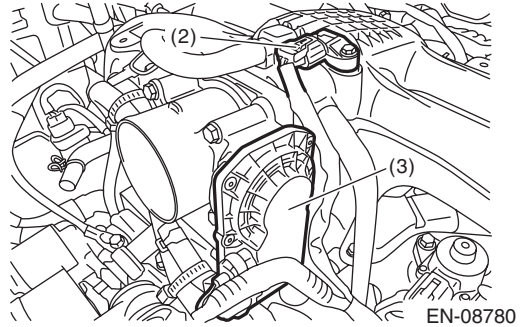
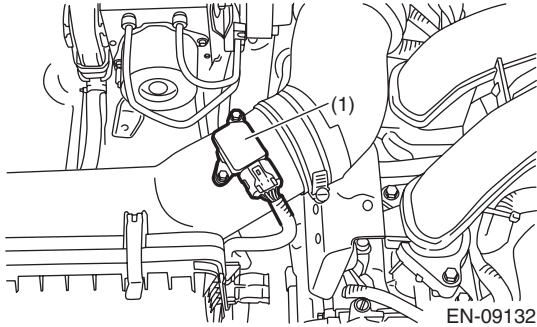


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- | | | |
|---|---|---|
| (1) Mass air flow and intake air temperature sensor | (5) Crankshaft position sensor | (9) Engine oil temperature sensor |
| (2) Manifold absolute pressure sensor | (6) Tumble generator valve actuators (with built-in opening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

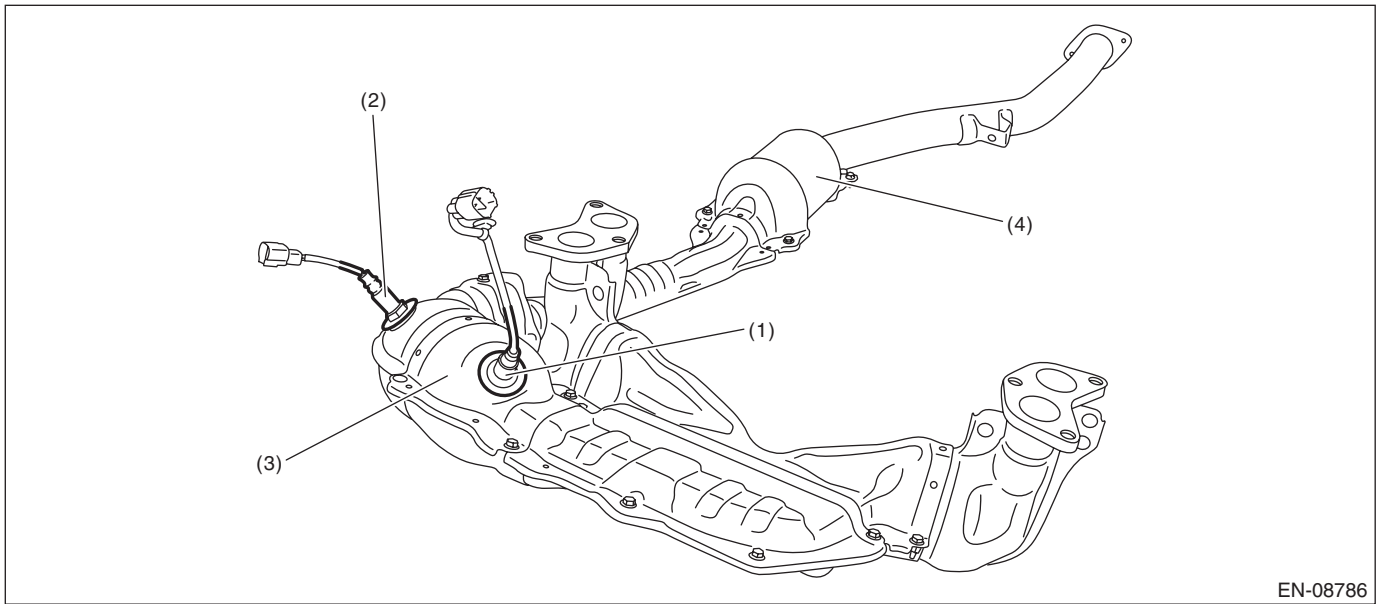
Electrical Component Location

ENGINE (DIAGNOSTICS)

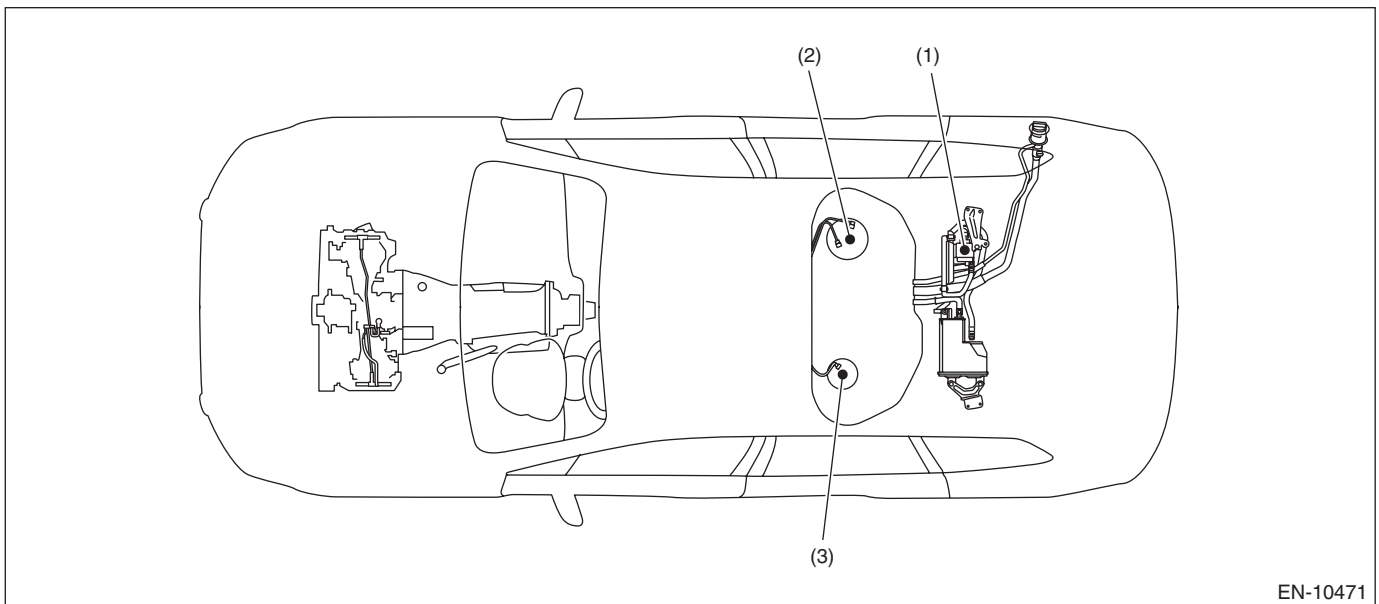


Electrical Component Location

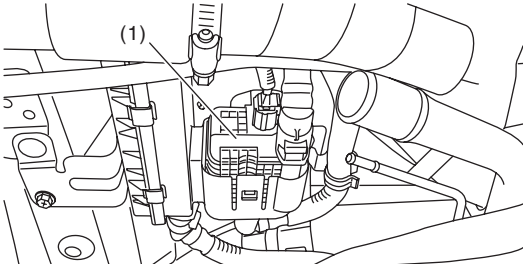
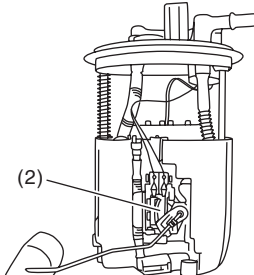
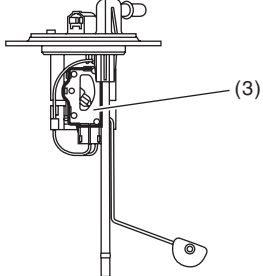
ENGINE (DIAGNOSTICS)



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



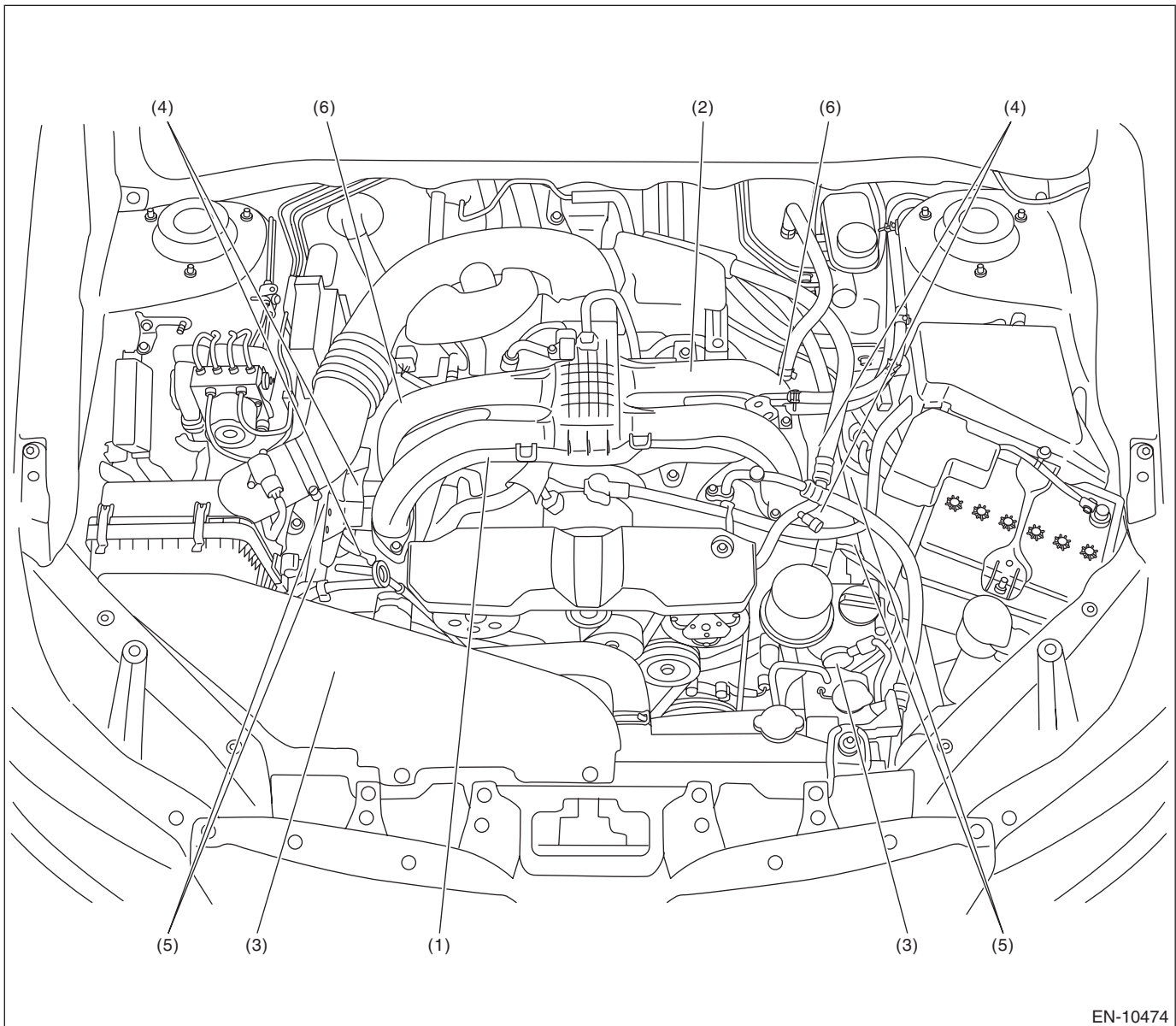
- (1) Leak check valve ASSY (with built-in pressure sensor)
- (2) Fuel level sensor
- (3) Fuel sub level sensor

 Diagram showing the location of component (1) on the engine. The component is a small, cylindrical part located near the top of the engine, connected to the intake manifold. EN-10472	 Diagram showing the location of component (2) on the engine. The component is a small, cylindrical part located near the bottom of the engine, connected to the exhaust manifold. EN-10473
 Diagram showing the location of component (3) on the engine. The component is a small, cylindrical part located near the bottom of the engine, connected to the exhaust manifold. EN-08790	SUBARU.

Electrical Component Location

ENGINE (DIAGNOSTICS)

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



(1) EGR control valve

(2) Purge control solenoid valve

(3) Intake oil control solenoid

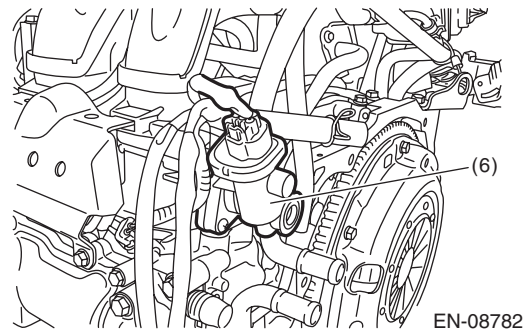
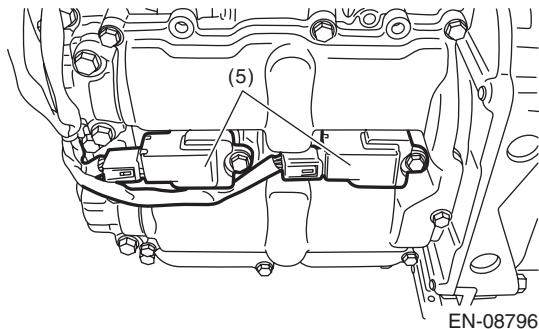
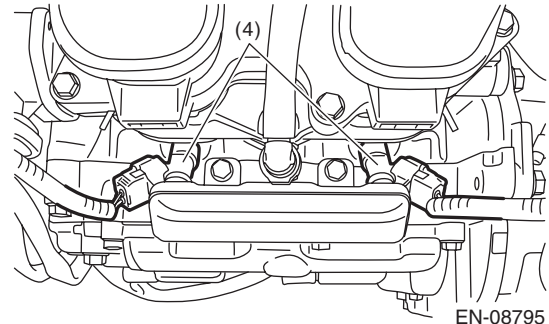
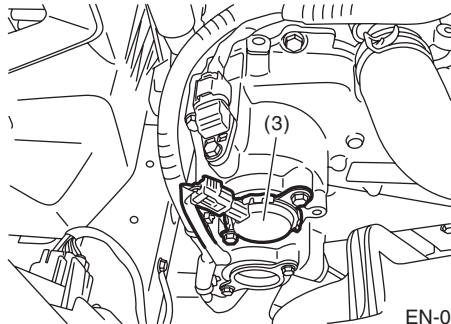
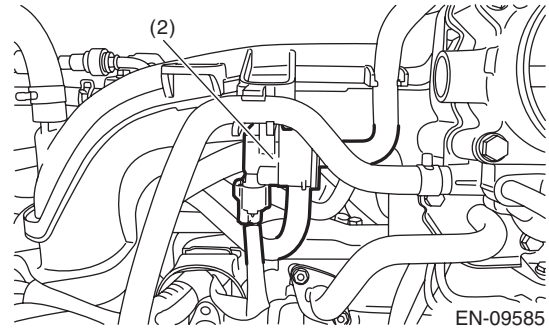
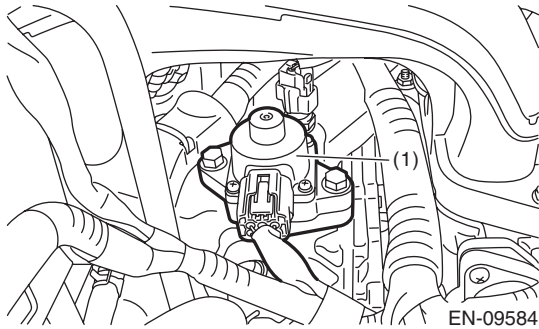
(4) Fuel injector

(5) Ignition coil

(6) Tumble generator valve actuator

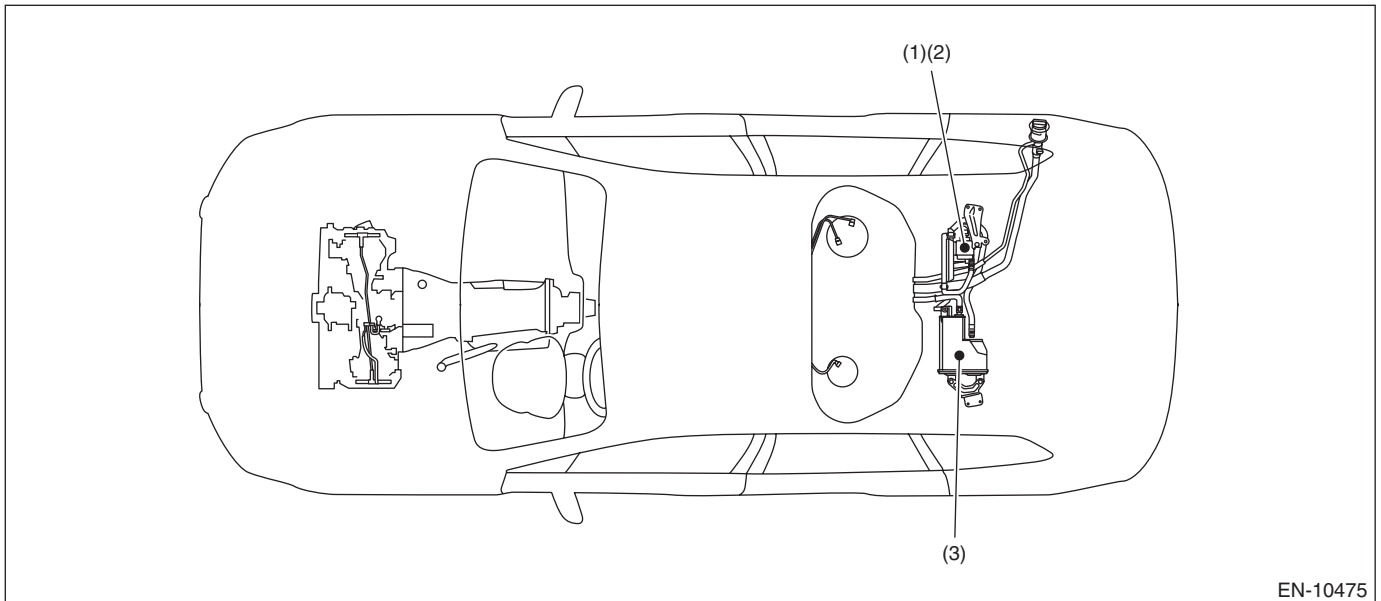
Electrical Component Location

ENGINE (DIAGNOSTICS)



Electrical Component Location

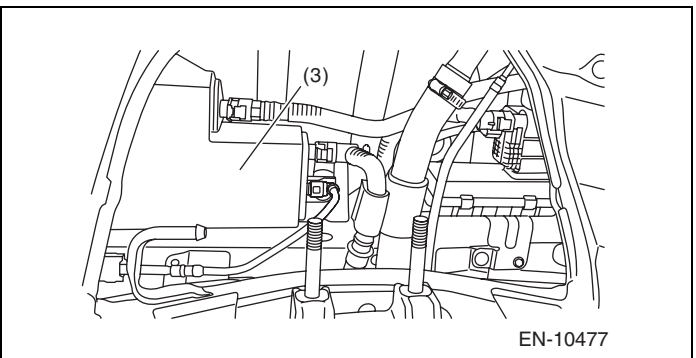
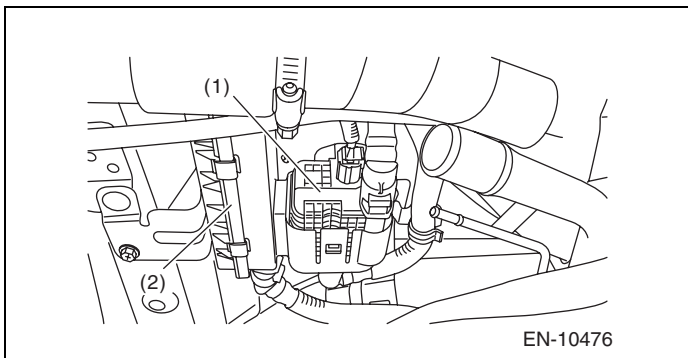
ENGINE (DIAGNOSTICS)



(1) Leak check valve ASSY

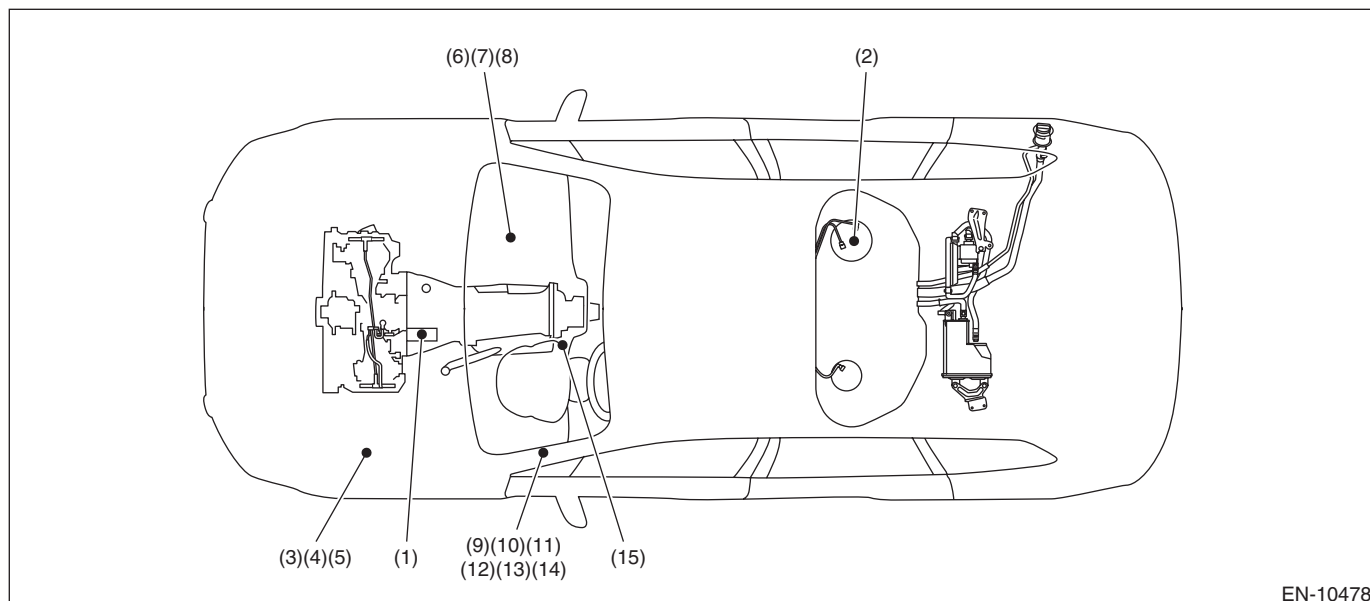
(2) Drain filter

(3) Canister



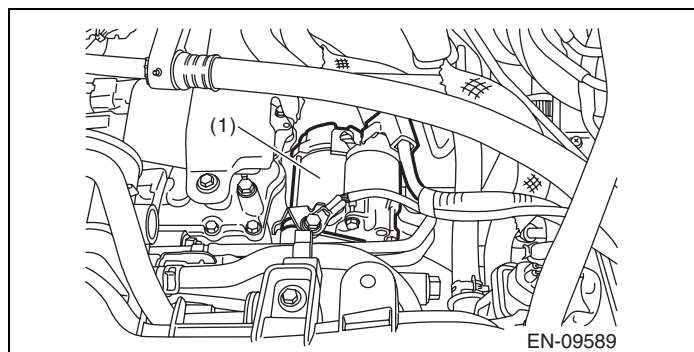
Electrical Component Location

ENGINE (DIAGNOSTICS)

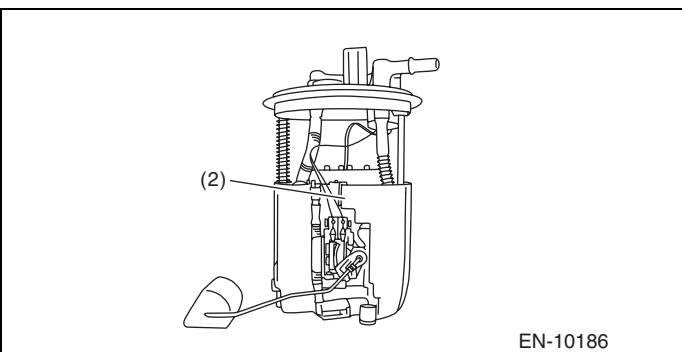


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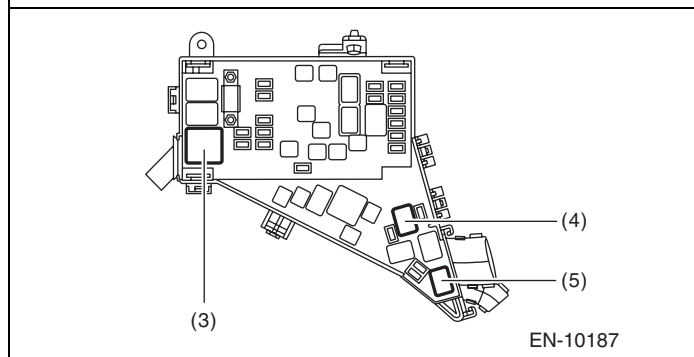
- | | | |
|-------------------------------|--|---|
| (1) Starter | (6) Main relay | (11) Starter relay |
| (2) Fuel pump | (7) IG relay | (12) Starter cut relay (model with push button start) |
| (3) Radiator main fan relay 1 | (8) Fuel pump relay | (13) IG relay 1 (push button start) (model with push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



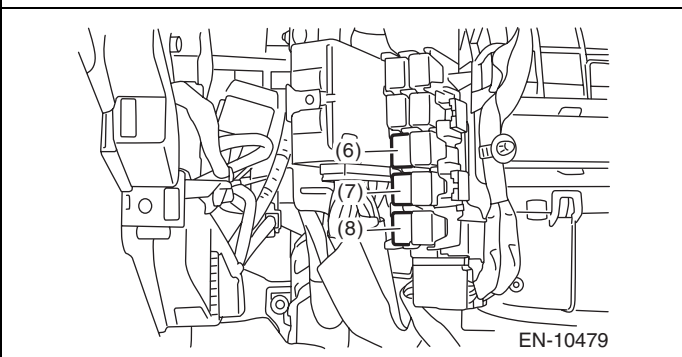
EN-09589



EN-10186



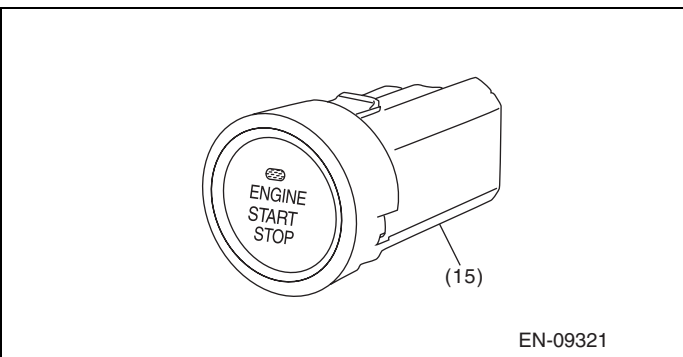
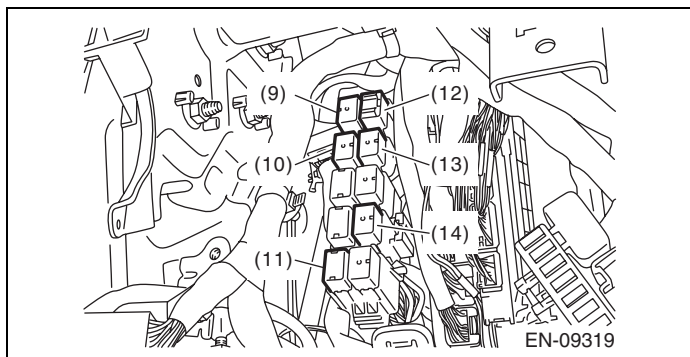
EN-10187



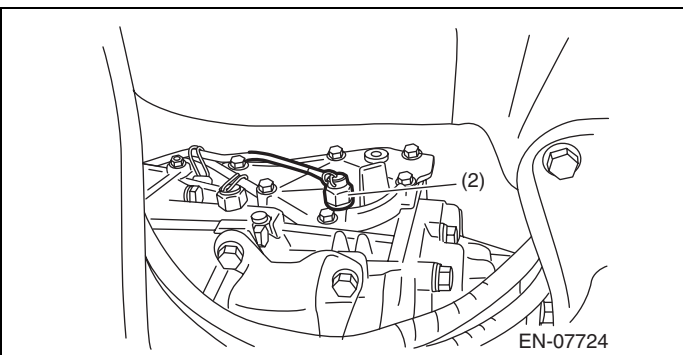
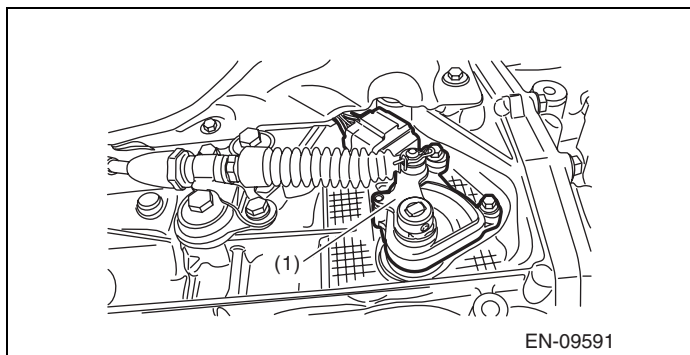
EN-10479

Electrical Component Location

ENGINE (DIAGNOSTICS)



4. TRANSMISSION



(1) Inhibitor switch (CVT model)

(2) Neutral position switch (MT model)