

ELECTRICAL COMPONENTS LOCATION

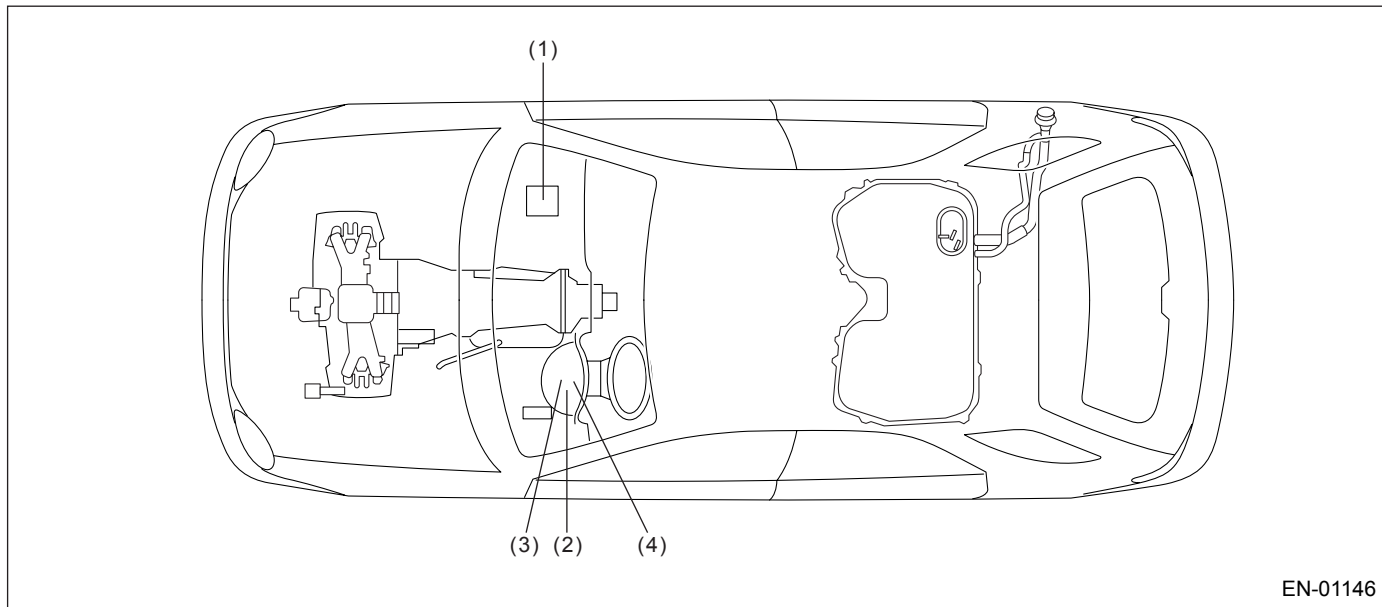
ENGINE (DIAGNOSTICS)

4. Electrical Components Location

A: LOCATION

1. ENGINE

• Module

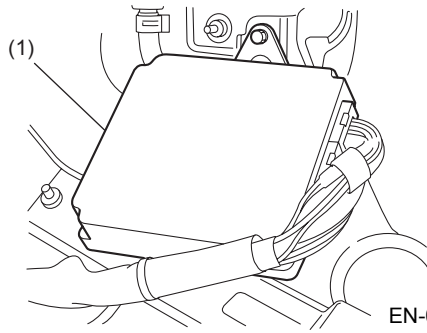


EN-01146

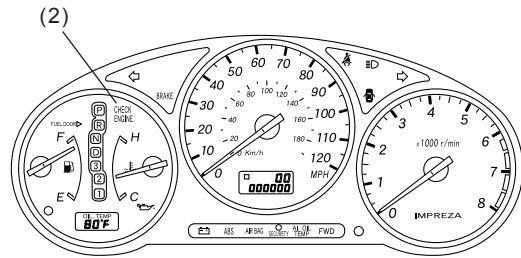
- | | |
|---|-------------------------|
| (1) Engine control module (ECM) | (3) Test mode connector |
| (2) CHECK ENGINE malfunction indicator lamp (MIL) | (4) Data link connector |

ELECTRICAL COMPONENTS LOCATION

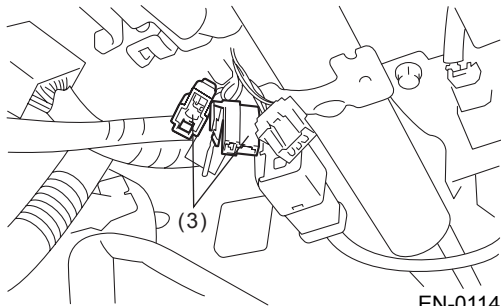
ENGINE (DIAGNOSTICS)



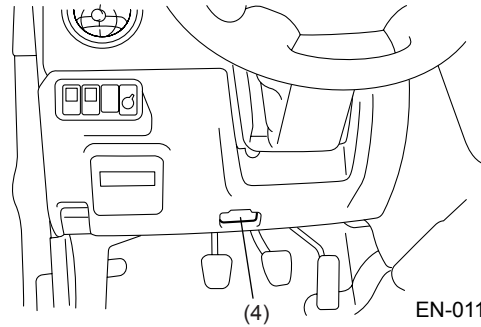
EN-01147



EN-01148



EN-01149

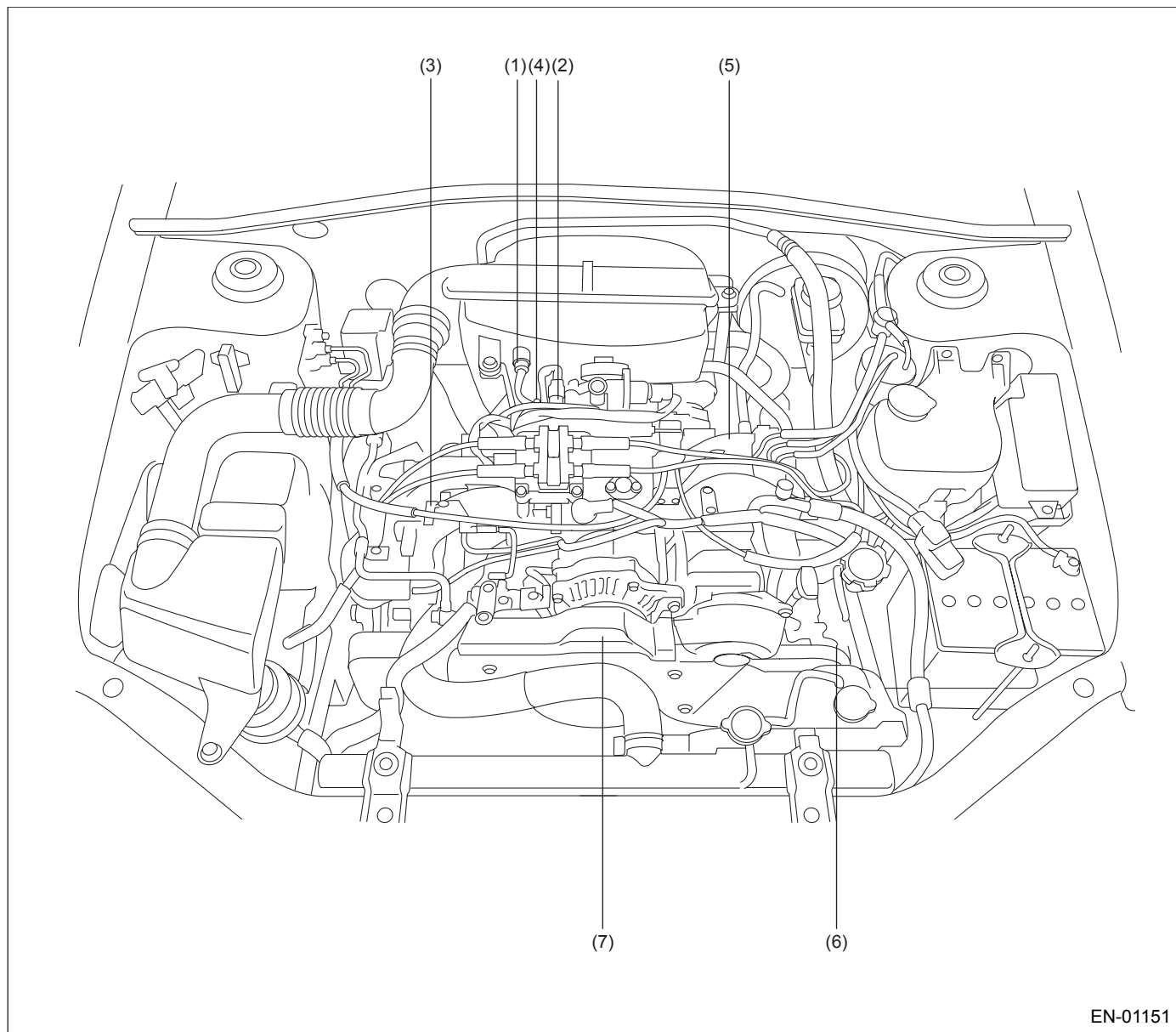


EN-01150

ELECTRICAL COMPONENTS LOCATION

ENGINE (DIAGNOSTICS)

• Sensor



EN-01151

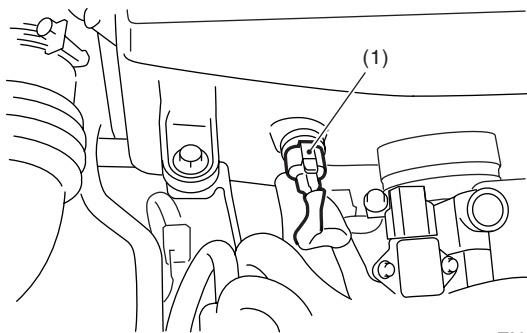
- (1) Intake air temperature sensor
- (2) Pressure sensor
- (3) Engine coolant temperature sensor

- (4) Throttle position sensor
- (5) Knock sensor
- (6) Camshaft position sensor

- (7) Crankshaft position sensor

ELECTRICAL COMPONENTS LOCATION

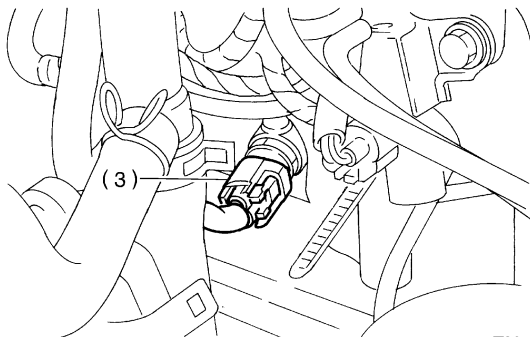
ENGINE (DIAGNOSTICS)



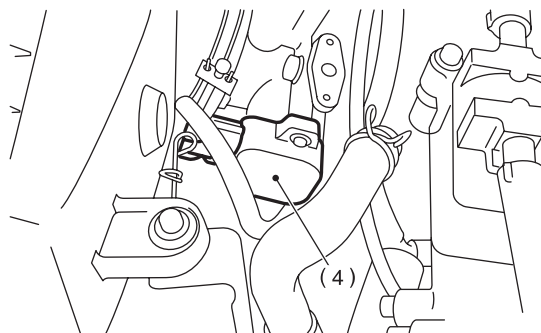
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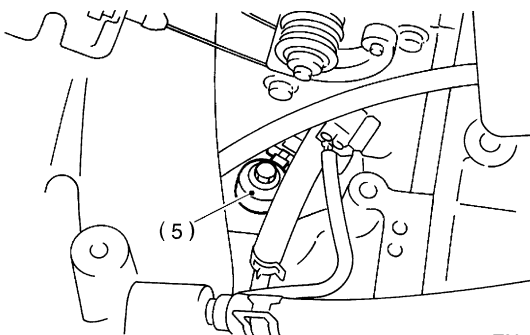
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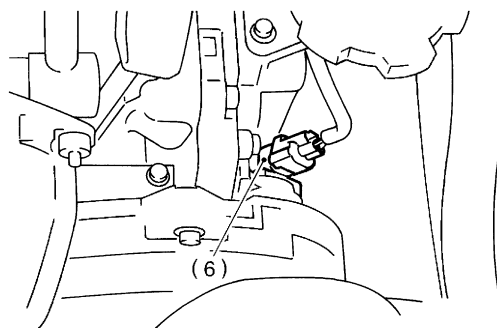
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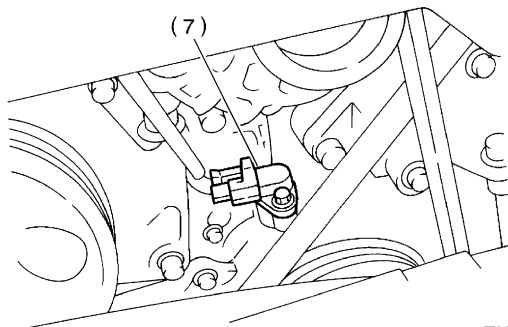
EN-00161



EN-00010



EN-00011

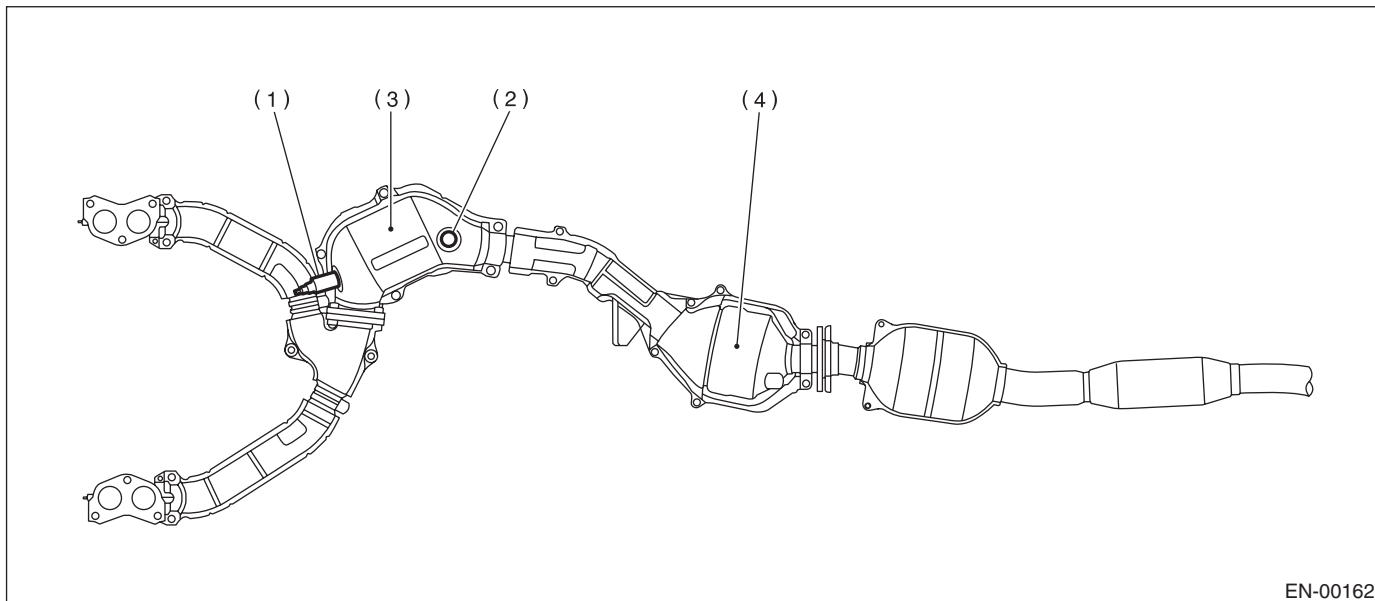


EN-00012

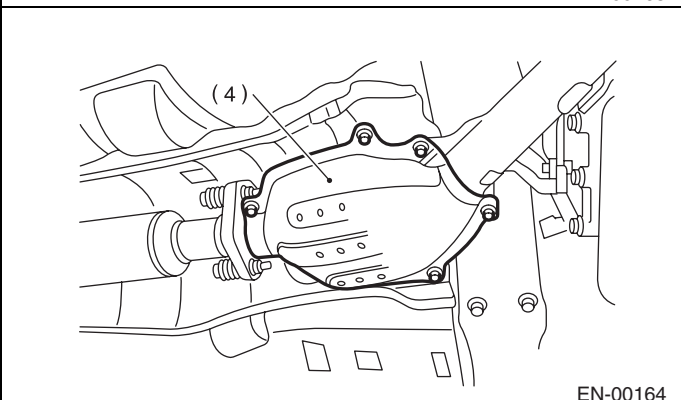
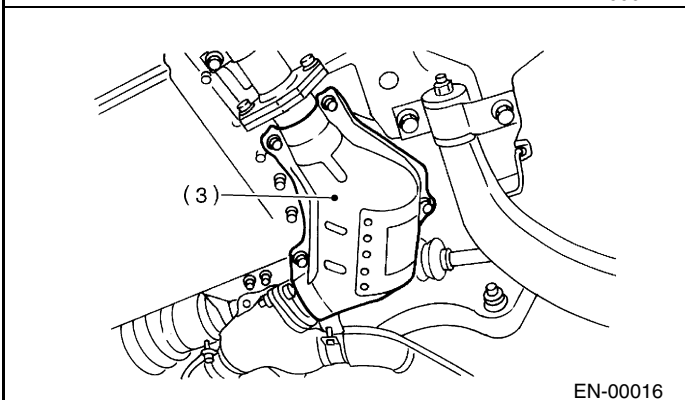
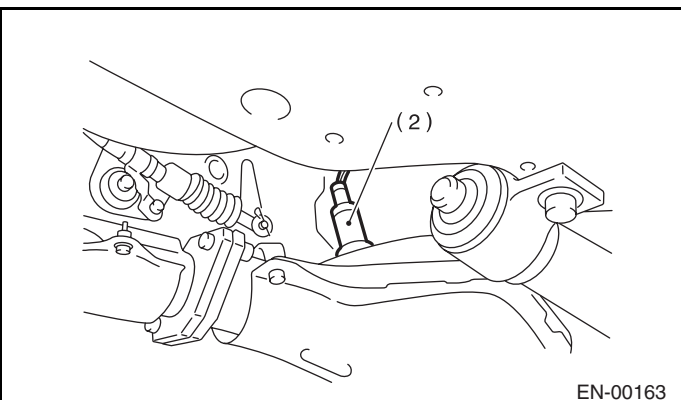
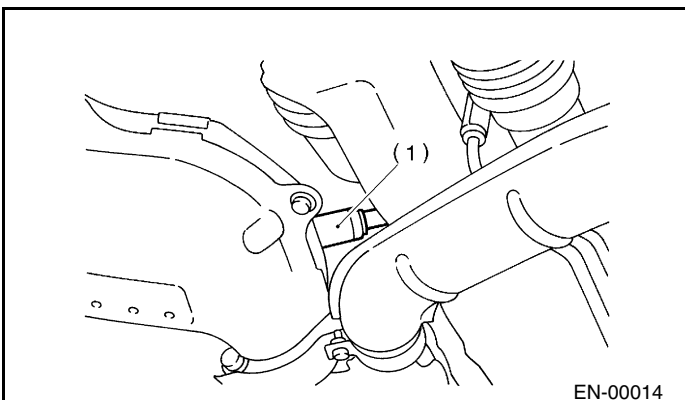
SUBARU.

ELECTRICAL COMPONENTS LOCATION

ENGINE (DIAGNOSTICS)

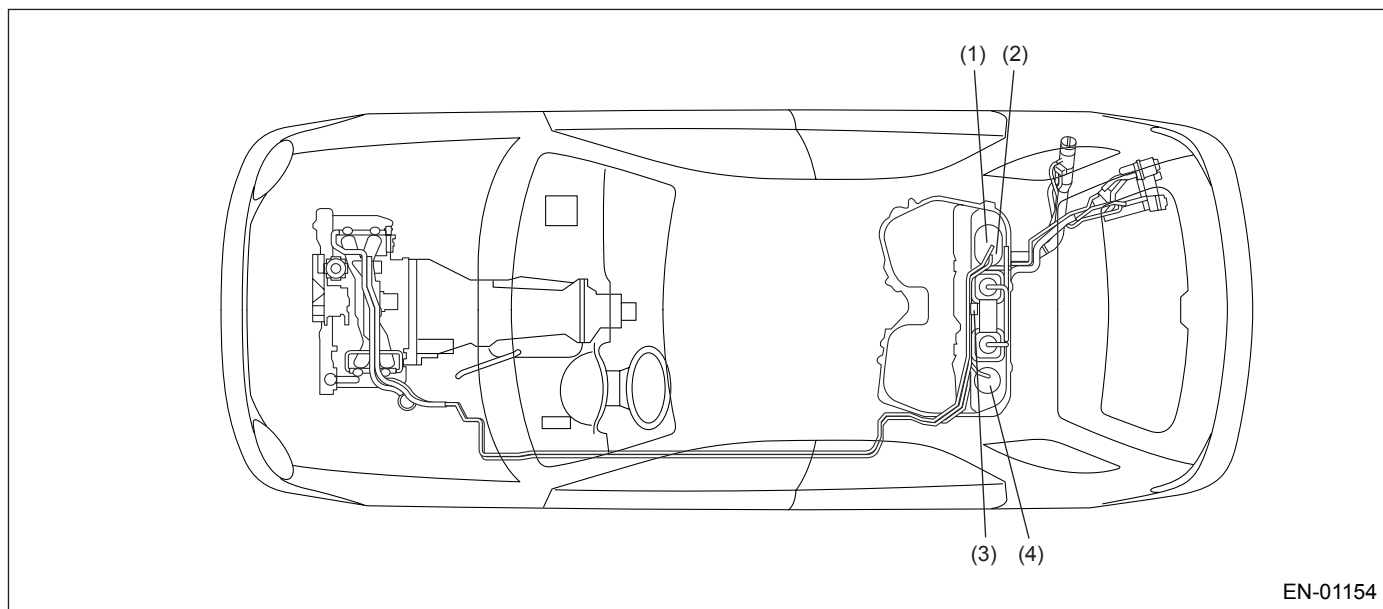


- | | |
|-------------------------------|-------------------------------|
| (1) Front oxygen (A/F) sensor | (3) Front catalytic converter |
| (2) Rear oxygen sensor | (4) Rear catalytic converter |

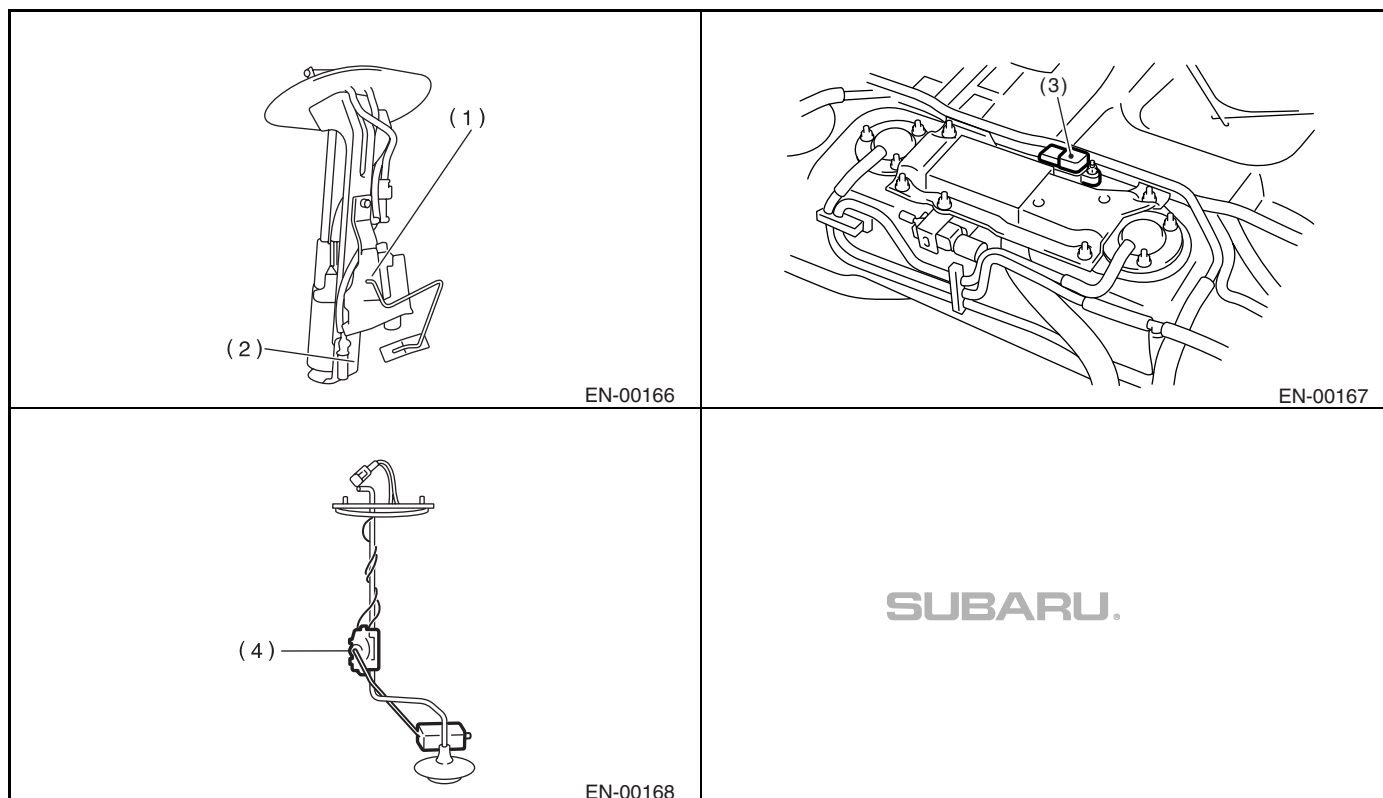


ELECTRICAL COMPONENTS LOCATION

ENGINE (DIAGNOSTICS)



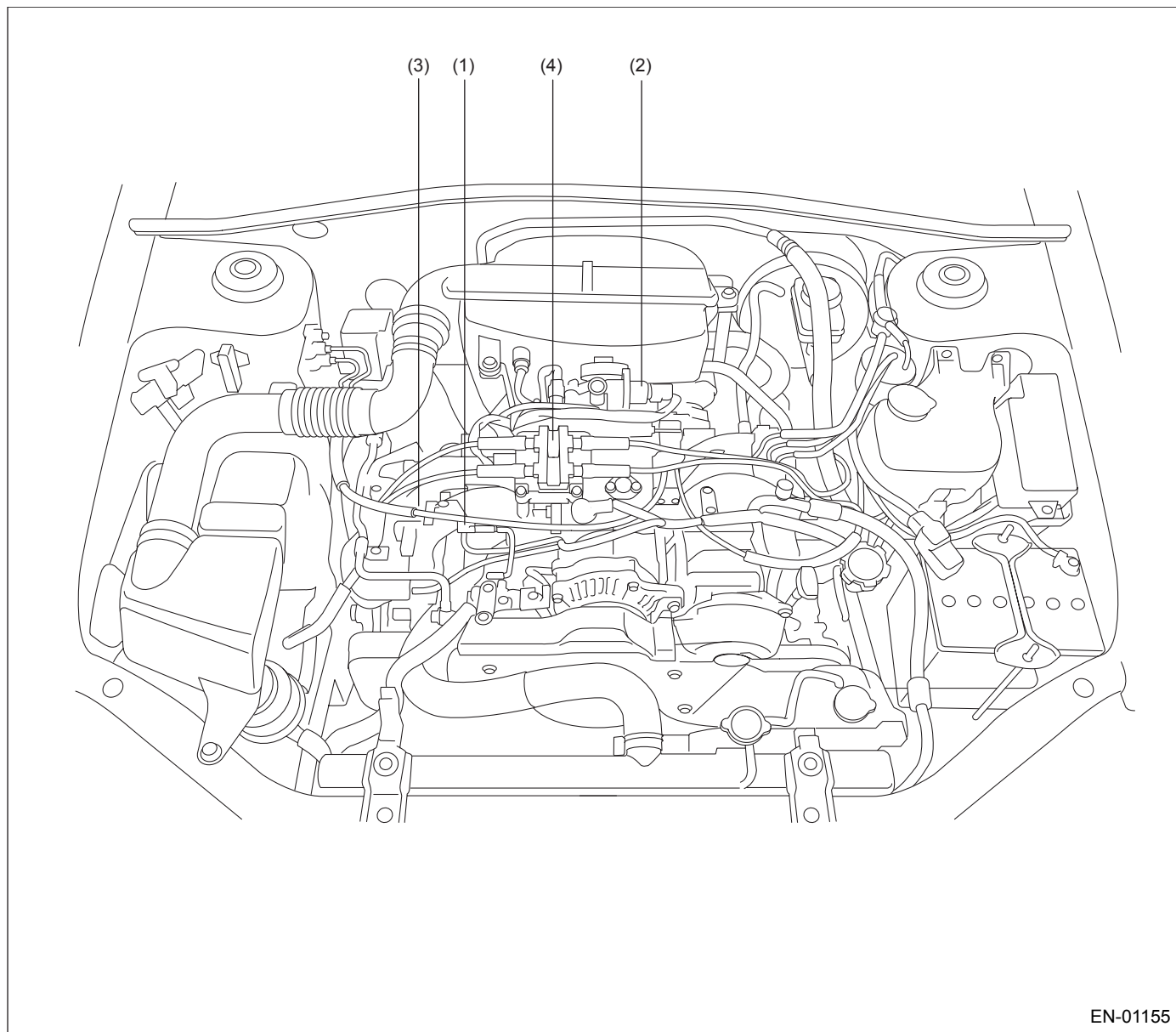
- | | |
|-----------------------------|-------------------------------|
| (1) Fuel level sensor | (3) Fuel tank pressure sensor |
| (2) Fuel temperature sensor | (4) Fuel sub level sensor |



ELECTRICAL COMPONENTS LOCATION

ENGINE (DIAGNOSTICS)

• Solenoid Valve, Emission Control System Parts and Ignition System Parts

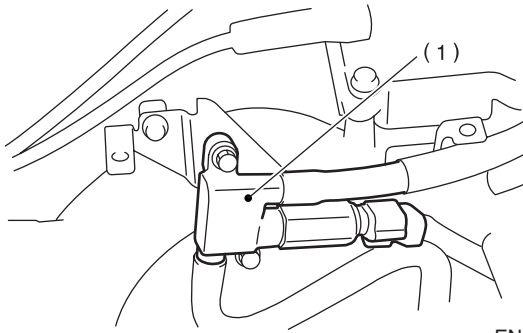


- | | |
|--|--------------------------------------|
| (1) Air assisted injector solenoid valve | (3) Purge control solenoid valve |
| (2) Idle air control solenoid valve | (4) Ignition coil & ignitor assembly |

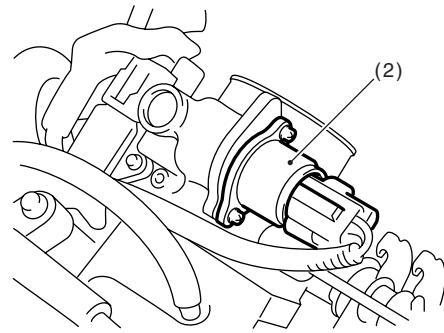
EN-01155

ELECTRICAL COMPONENTS LOCATION

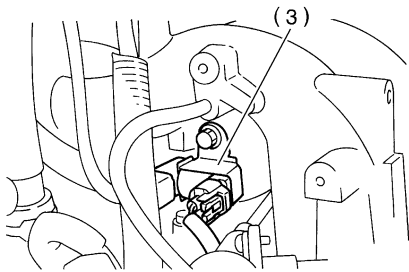
ENGINE (DIAGNOSTICS)



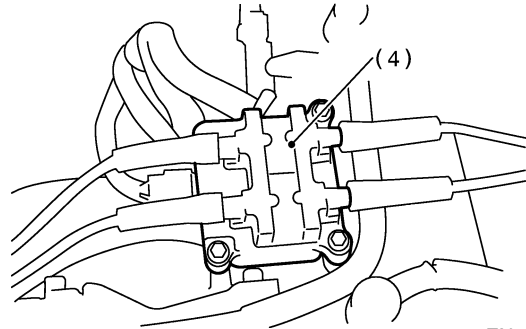
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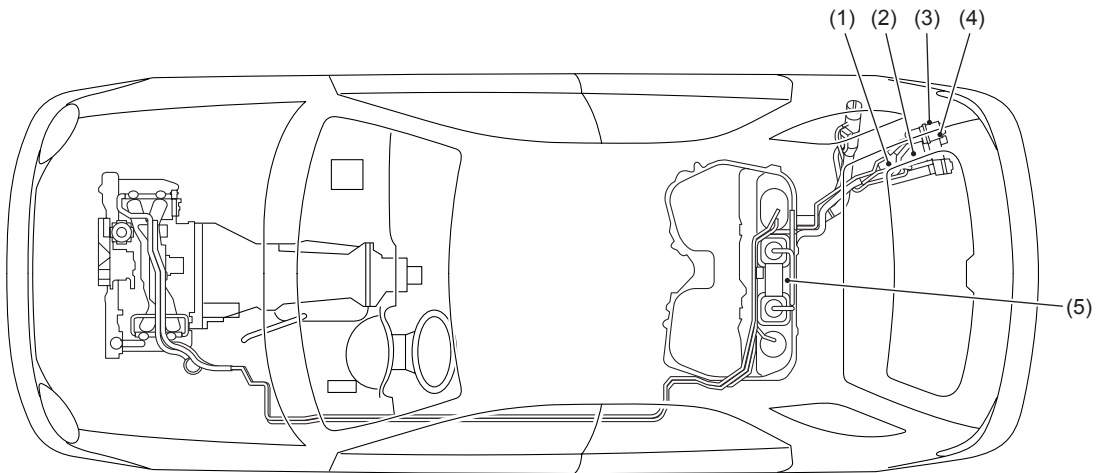
EN-00171



EN-00020



EN-00172



EN-01156

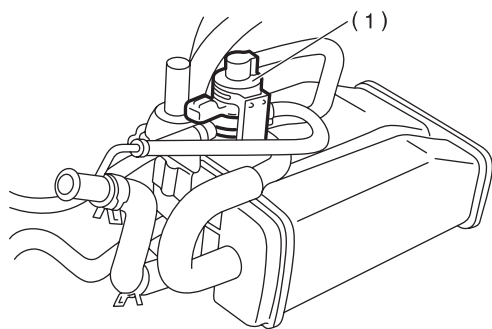
(1) Pressure control solenoid valve
(2) Canister

(3) Drain valve
(4) Drain filter

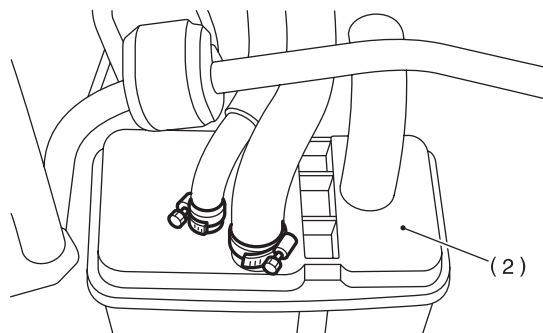
(5) Fuel tank sensor control valve

ELECTRICAL COMPONENTS LOCATION

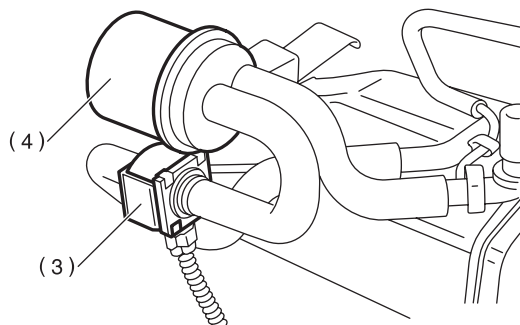
ENGINE (DIAGNOSTICS)



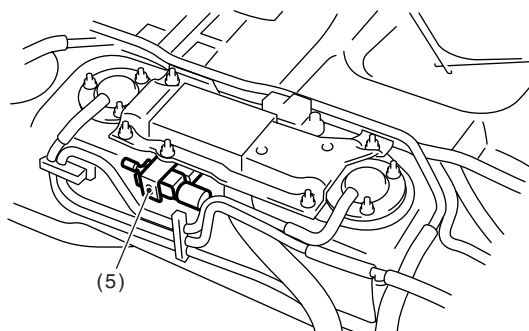
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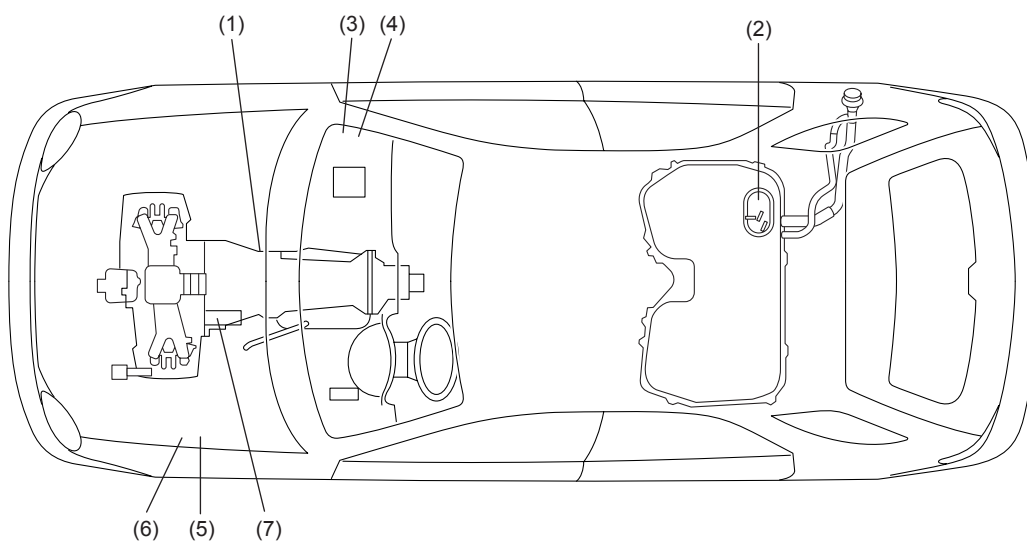
EN-00175



EN-00176



EN-00234

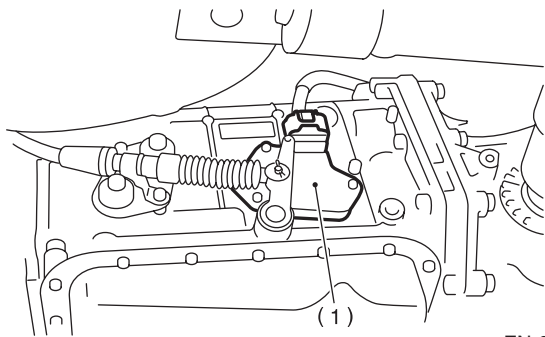


EN-01157

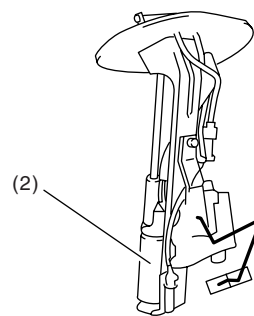
- | | | |
|----------------------|-----------------------------|-------------|
| (1) Inhibitor switch | (4) Fuel pump relay | (7) Starter |
| (2) Fuel pump | (5) Radiator main fan relay | |
| (3) Main relay | (6) Radiator sub fan relay | |

ELECTRICAL COMPONENTS LOCATION

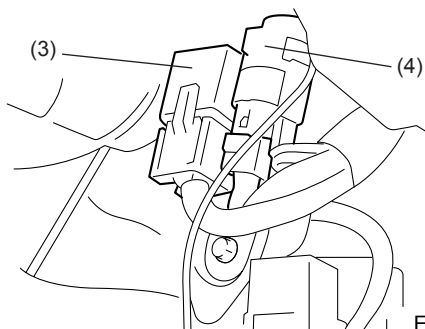
ENGINE (DIAGNOSTICS)



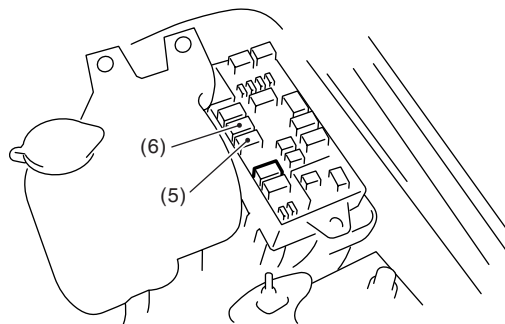
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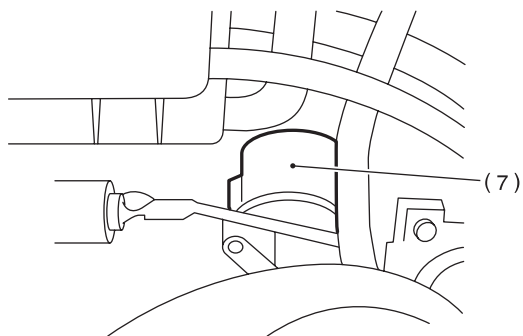
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EN-01158



EN-00180



EN-00181

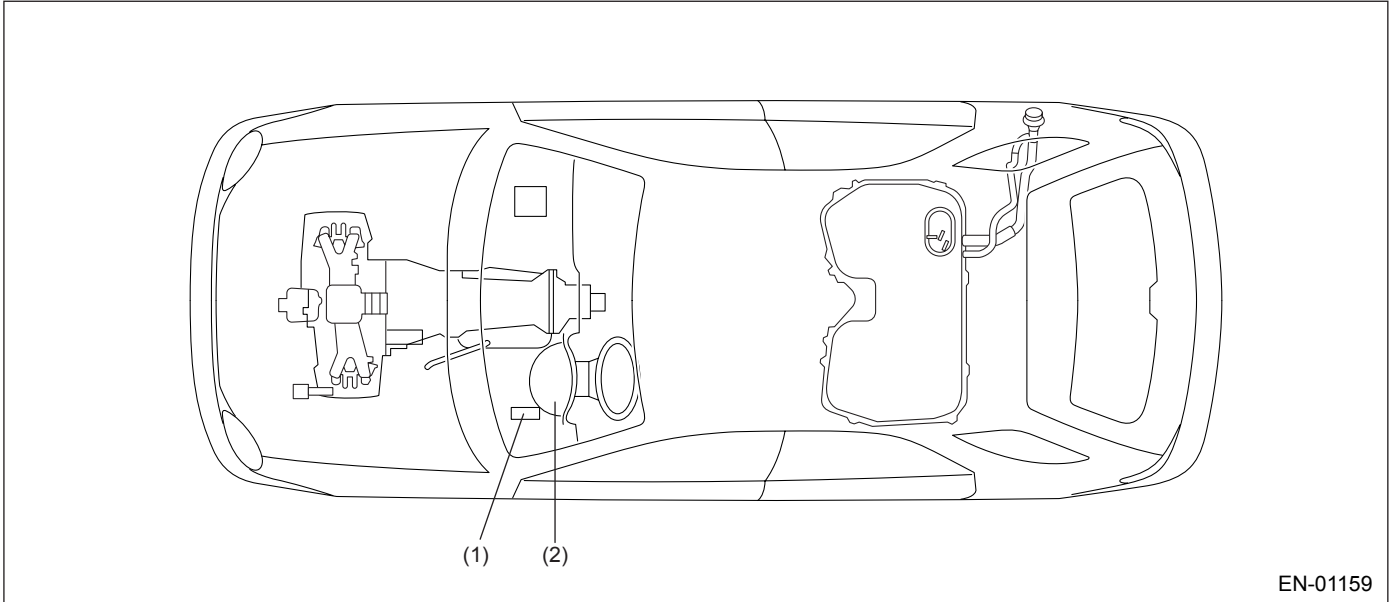
SUBARU.

ELECTRICAL COMPONENTS LOCATION

ENGINE (DIAGNOSTICS)

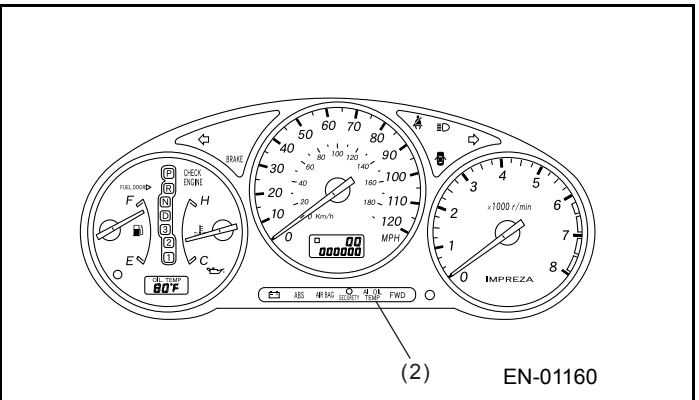
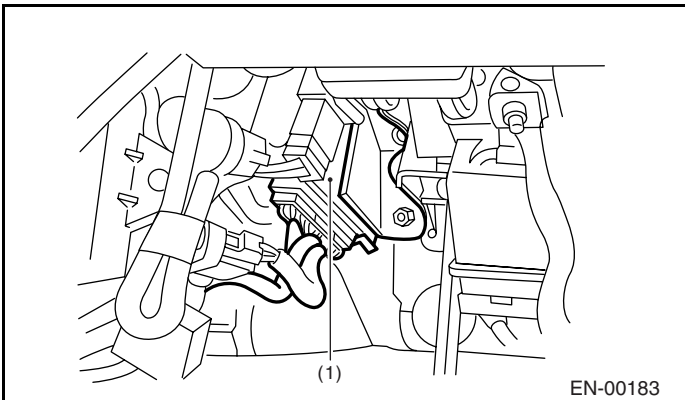
2. TRANSMISSION

• Module



(1) Transmission control module (TCM) (for AT vehicles)

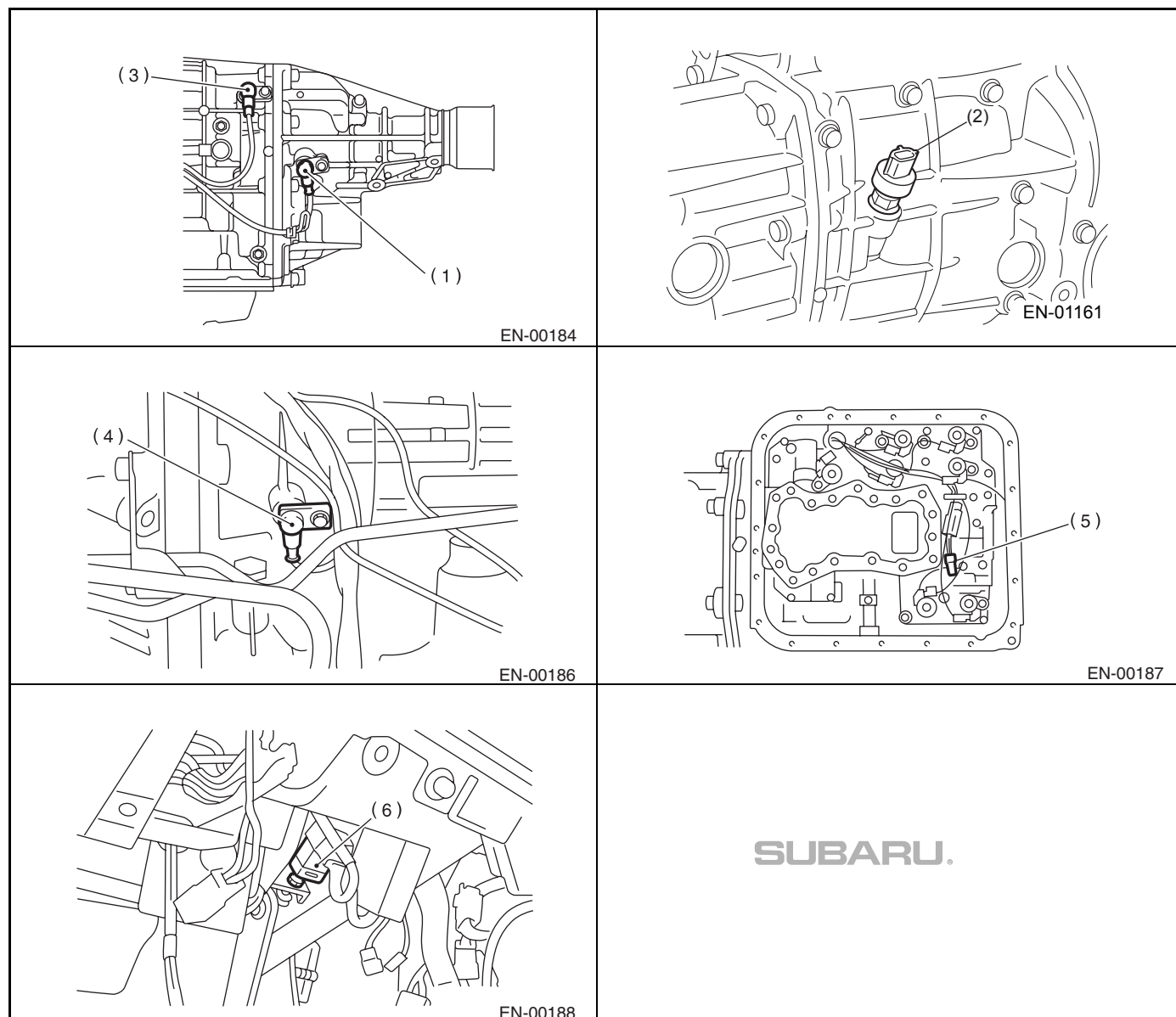
(2) AT diagnostic indicator light (for AT vehicles)



ELECTRICAL COMPONENTS LOCATION

ENGINE (DIAGNOSTICS)

• Sensor

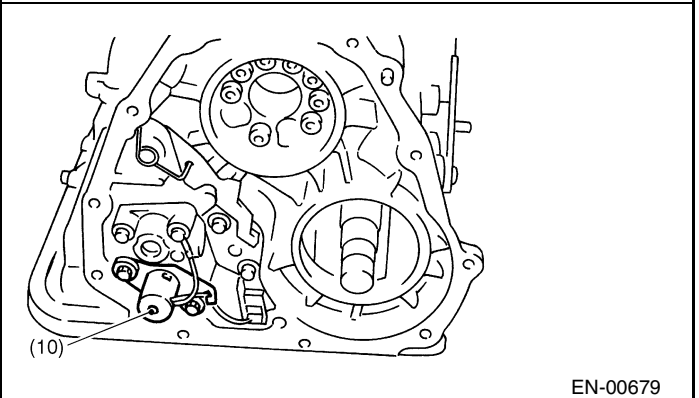
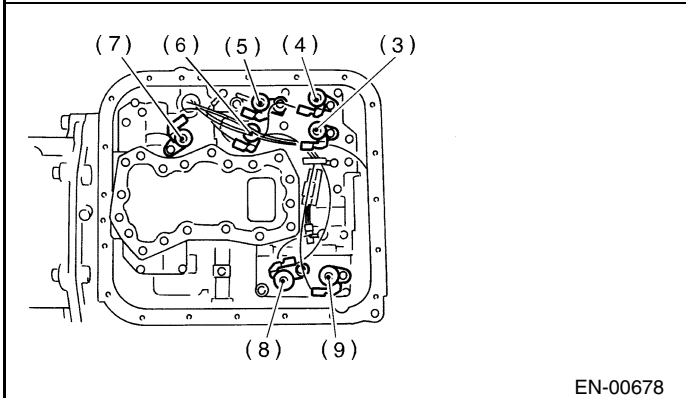
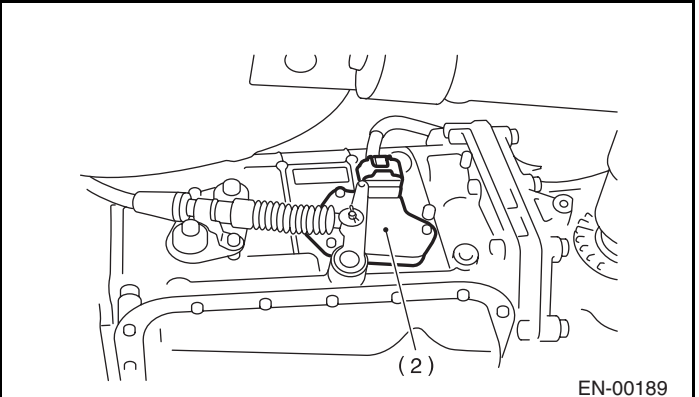
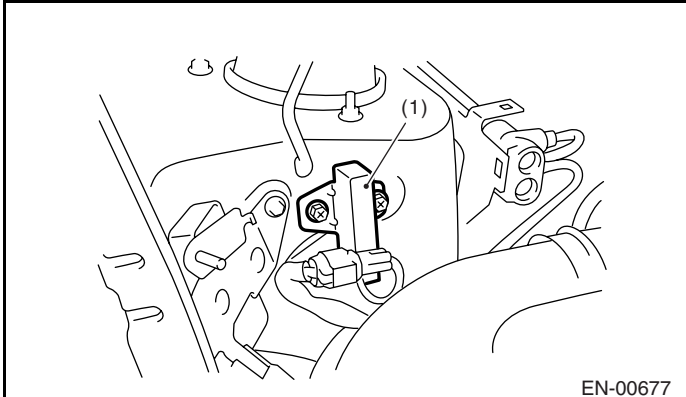


- (1) Rear vehicle speed sensor (for AT vehicles)
- (2) Front vehicle speed sensor (for MT vehicles)
- (3) Front vehicle speed sensor (for AT vehicles)
- (4) Torque converter turbine speed sensor
- (5) ATF temperature sensor (for AT vehicles)
- (6) Brake light switch

ELECTRICAL COMPONENTS LOCATION

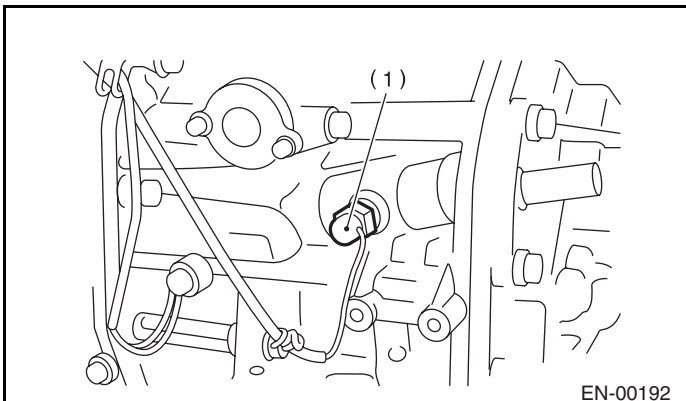
ENGINE (DIAGNOSTICS)

• Solenoid Valve and Switch (AT Vehicles)



- (1) Dropping resistor
- (2) Inhibitor switch
- (3) Shift solenoid valve 1
- (4) Shift solenoid valve 2
- (5) Line pressure duty solenoid
- (6) Low clutch timing solenoid valve
- (7) Lock up duty solenoid
- (8) 2-4 brake duty solenoid
- (9) 2-4 brake timing solenoid valve
- (10) Transfer duty solenoid

• Solenoid Valve and Switch (MT Vehicles)



- (1) Neutral position switch