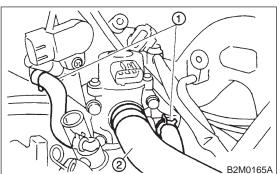


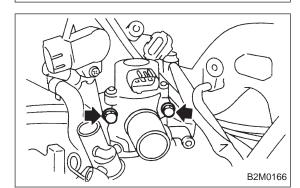
12. Idle Air Control Solenoid Valve A: REMOVAL AND INSTALLATION

1) Disconnect connector from idle air control solenoid valve.



2) Disconnect engine coolant hoses (1) from idle air control solenoid valve.

3) Disconnect air by-pass hose (2) from idle air control solenoid valve.



4) Remove idle air control solenoid valve from throttle body.

5) Installation is in the reverse order of removal.

CAUTION:

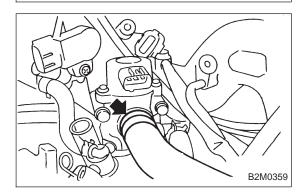
Replace gasket with a new one.

Tightening torque: 6.4±0.5 N m (0.65±0.05 kg-m, 4.7±0.4 ft-lb)

B: CLEANING

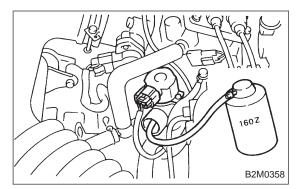
1) Start and warm-up the engine until radiator fan operates.

2) Hold throttle valve so that engine speed is at 2,000 rpm.



B2M0357

3) Disconnect by-pass hose from idle air control solenoid valve.



4) Slowly pour one can (16 oz) of cleaner into by-pass air hole.

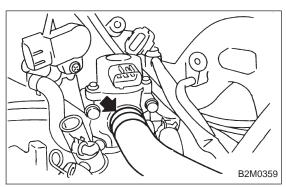
Cleaner:

- Part No. 1050002 GM Top Engine Cleaner
- Part No. X66-A AC Delco Carburetor Tune-up Conditioner

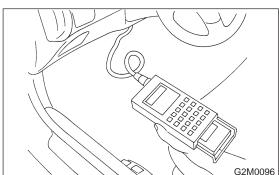
5) Leave the engine running for five minutes. NOTE:

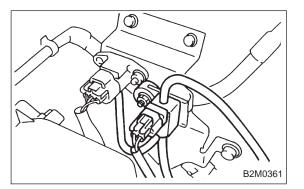
White smoke comes out of the muffler until the cleaner is used up.

6) Stop the engine.



- 7) Release the throttle valve.
- 8) Connect by-pass hose to idle air control solenoid valve.





9) Check duty ratio of idle air control solenoid valve with Subaru Select Monitor.

(1) Connect Subaru Select Monitor to the data link connector.

(2) Start the engine and turn Subaru Select Monitor switch to ON.

(3) Select mode "F12".

(4) Make sure duty ratio on radiator fan and electric load is OFF.

Specified data: 25 - 40%

13. Pressure Sources Switching Solenoid Valve (AT model)

A: REMOVAL AND INSTALLATION

1) Disconnect connector from pressure sources switching solenoid valve.

2) Disconnect hoses from pressure sources switching solenoid valve.