

1C

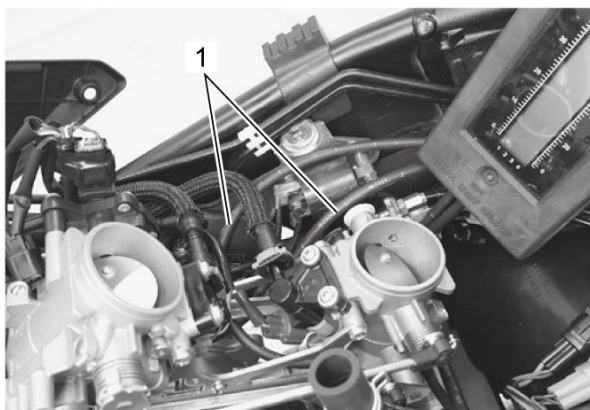


## Throttle Valve Synchronization

- 1) Disconnect the IAP sensor couplers and remove the air cleaner box.
- 2) Disconnect the IAP sensor vacuum hoses (1) from the throttle body.



- 3) Connect the respective vacuum tester hoses (1) to each vacuum nipple on the throttle body.



- 4) Connect the fuel feed hose and fuel pump coupler. Refer to [Fuel Tank Removal and Installation](#).
- 5) Set up the SDS tool referring to the SDS operation manual for further details.

### Special Tool

09904-41010

99565-01010-034

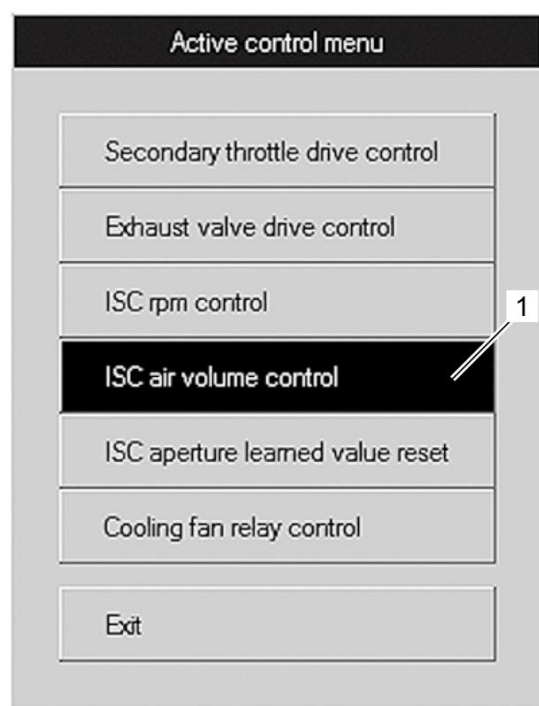
- 6) Start the engine.
- 7) Click "Data monitor".
- 8) Warm up the engine (Water temp. more than 90 °C (194 °F) (1)).

Item	Value	Unit
<input type="checkbox"/> Engine coolant / oil temperature	1	99.3 °C



- 9) Click "Active control".

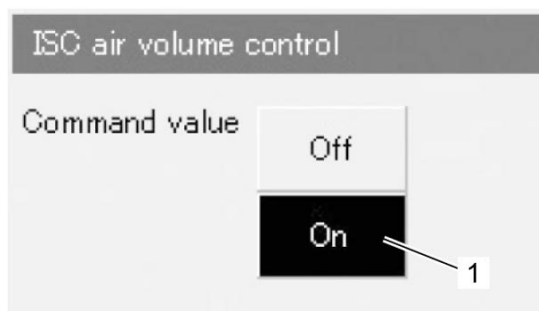
- 10)** Click "ISC air volume control" (1).



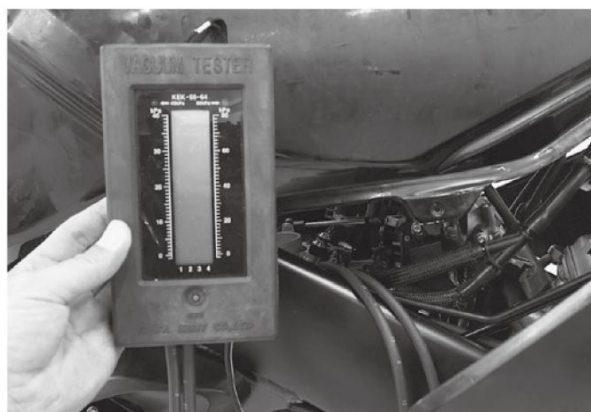
- 11)** Click "On" button (1) to fix the ISC air volume among 2 cylinders.

**NOTE:**

**When making this synchronization, be sure that the water temperature is within 90 – 105 °C (194 – 221 °F).**



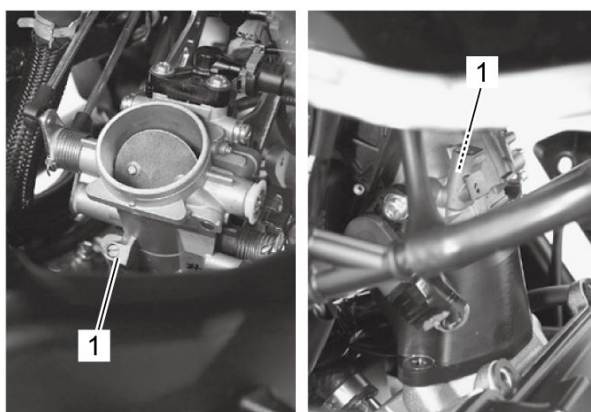
- 12)** Check for the synchronization of vacuum from #1 and #2 cylinders.



- 13)** Equalize the vacuum of the cylinders by turning each synchronizing screws (1) and keep it turning at idling speed.

**NOTE:**

**Always set the engine speed at idle speed.**



- 14)** If the adjustment is not yet correct, remove each synchronizing screw and clean them using a swab moistened with a carburetor cleaner (petroleum solvent) and blow dry with a compressed air. Also, clean the synchronizing screw passageways.

**NOTE:**

- **Slowly turn the synchronizing screw in clockwise and count the number of turns until the screw is lightly seated.**
- **Make a note of how many turns were made so the screw can be reset correctly after cleaning.**

- 15)** Repeat the procedures of 5) to 13).

- 16)** Close the SDS tool and turn the ignition switch OFF.

- 17)** Disconnect the vacuum tester and install the removed parts.

- 18)** After completing the throttle valve synchronization, clear the DTC and reset the ISC aperture learned value. 