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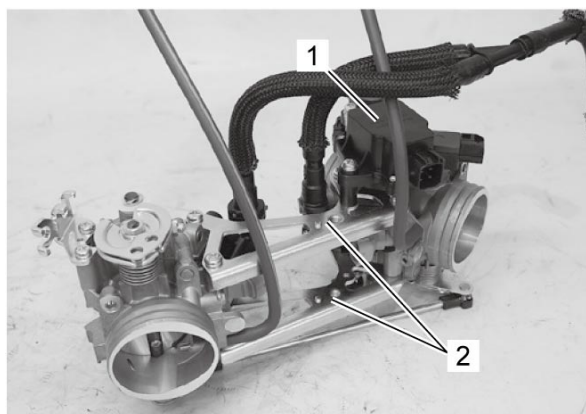


Throttle Body Disassembly and Reassembly

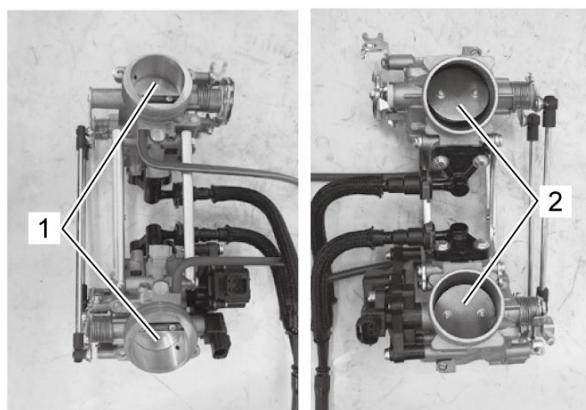
Refer to [Throttle Body Assembly Removal and Installation](#).

NOTICE:

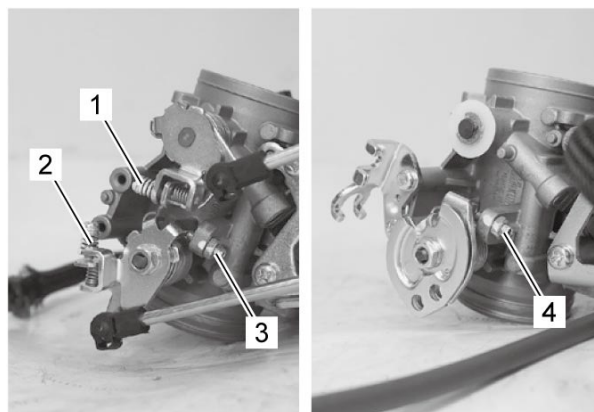
- Identify the position of each removed part. Organize the parts in their respective groups so that they can be reinstalled in their original positions.
- Never remove the STVA (1) and link plates (2).



- Never remove the throttle valves (1) and secondary throttle valves (2).

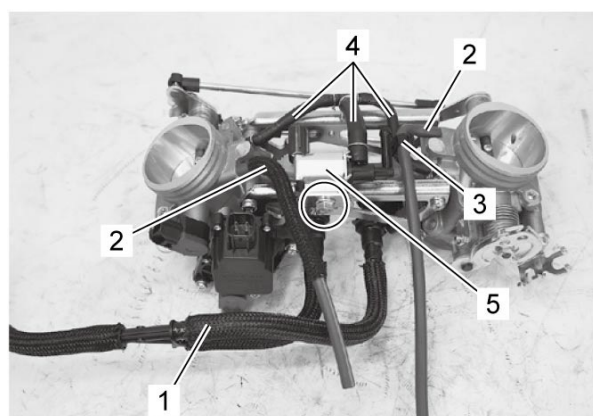


- These adjusting screws (1), (2), (3) and (4) are factory-adjusted at the time of delivery and therefore avoid removing or turning it unless otherwise necessary.

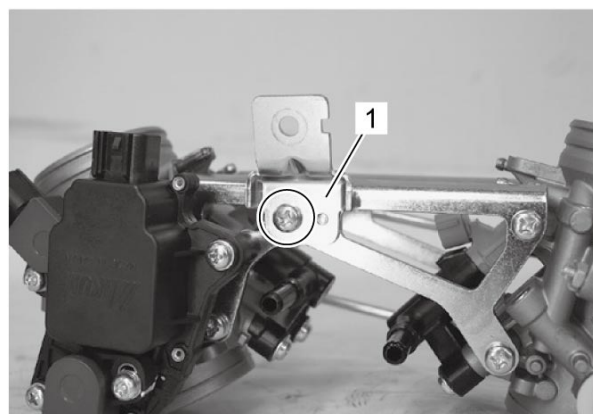


Disassembly

- 1)** Remove the fuel feed hose (1) and IAP sensor vacuum hoses (2).
- 2)** Remove the clamp (3) (If equipped), purge hoses (4) (If equipped) and EVAP system purge control solenoid valve (5) (If equipped).



- 3)** Remove the EVAP system purge control solenoid valve bracket (1) (If equipped).

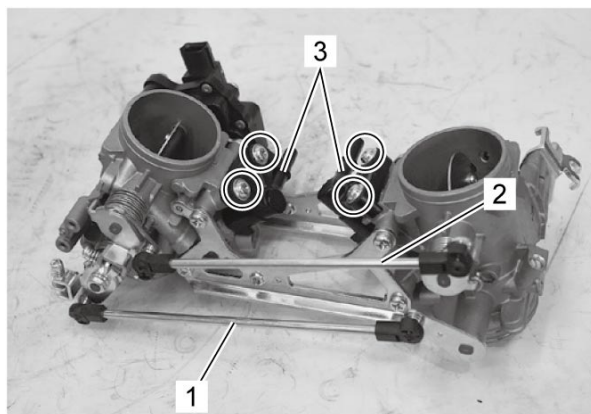


- 4)** Remove the throttle link rod (1) and secondary throttle link rod (2).

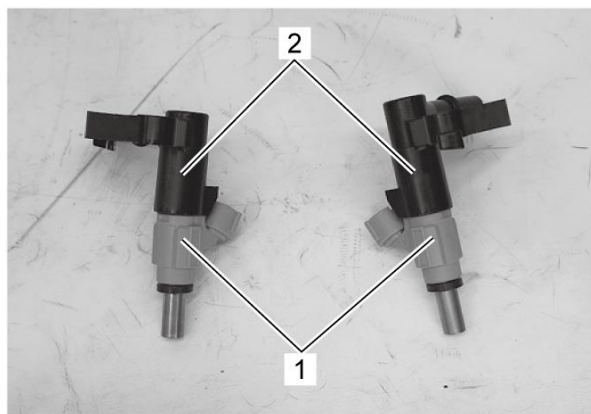
- 5) Remove the fuel delivery pipe assemblies (3).

NOTICE:

Do not twist the fuel delivery pipe, when removing the fuel delivery pipe.



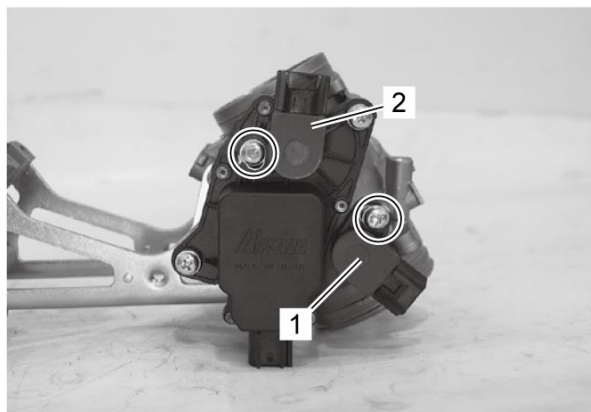
- 6) Remove the fuel injectors (1) from the fuel delivery pipes (2).



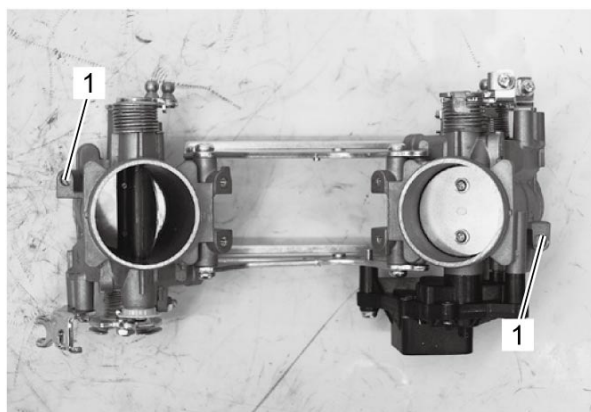
- 7) Prior to disassembly, mark each sensor's original position with a paint or scribe for accurate reinstallation.
- 8) Remove the TP sensor (1) and STP sensor (2).

Special Tool

09930-11950



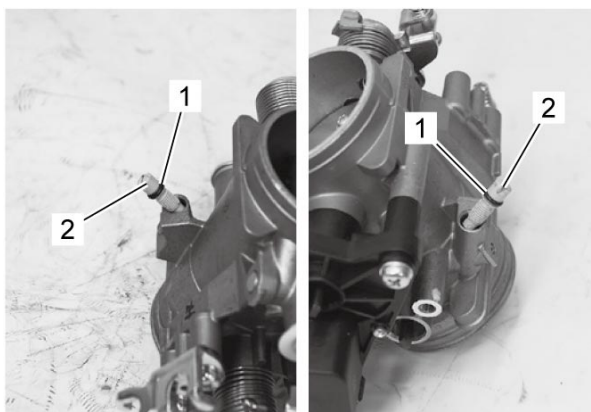
- 9)** Before removing each synchronizing screw (1), determine the setting by slowly turning it clockwise and count the number of turns required to lightly seat the screw. This counted number is important when reassembling synchronizing screw to the original position.
- 10)** Remove the synchronizing screws (1).



Reassembly

Reference: Throttle Body Inspection and Cleaning

- 1)** Apply a thin coat of the engine oil to the new O-rings (1) and install each synchronizing screw (2) to the original setting by turning the screw in until it lightly seats, and then backing it out the same number of turns counted during disassembly.





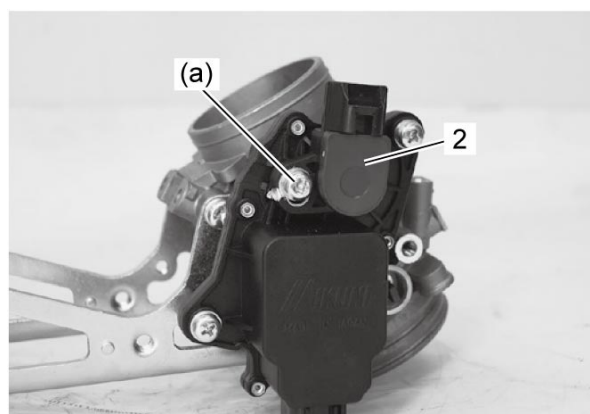
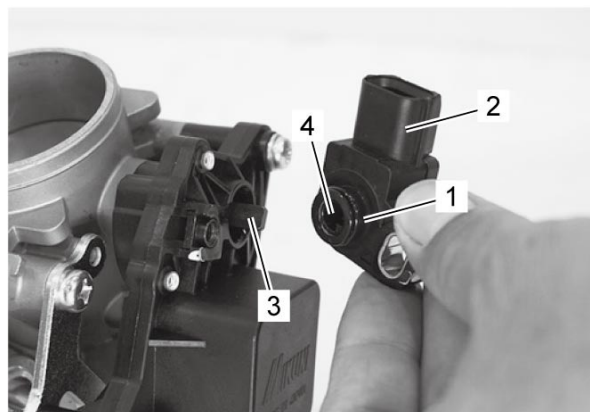
- 2) Apply a thin coat of the engine oil to the new O-ring (1).
- 3) With the STV fully closed, install the STP sensor (2) aligning the secondary throttle shaft end (3) with the groove (4) of the STP sensor.
- 4) Tighten the STP sensor mounting screw to the specified torque.

Special Tool

09930-11950

Tightening torque

STP sensor mounting screw (a): 3.5 N·m (0.35 kgf-m, 2.5 lbf-ft)



- 5) Check the STV operating smoothly.
- 6) Adjust the position of STP sensor, if necessary.



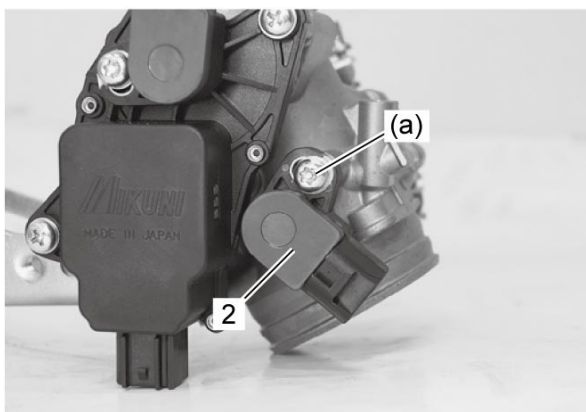
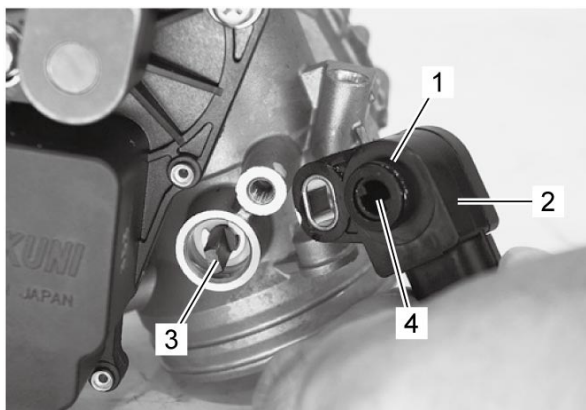
- 7) Apply a thin coat of the engine oil to the new O-ring (1).
- 8) With the throttle valve fully closed, install the TP sensor (2) aligning the throttle shaft end (3) with the groove (4) of the TP sensor.
- 9) Tighten the TP sensor mounting screw to the specified torque.

Special Tool

09930-11950

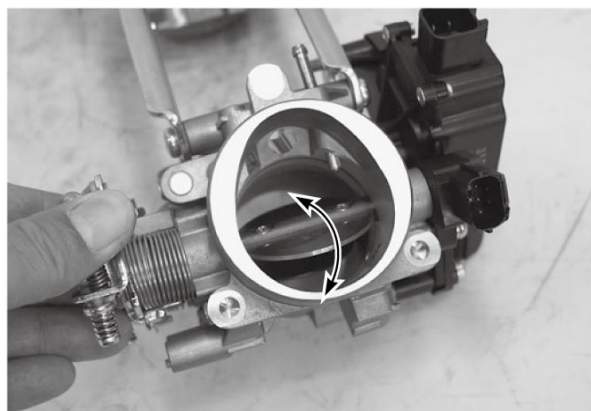
Tightening torque

TP sensor mounting screw (a): 3.5 N·m (0.35 kgf-m, 2.5 lbf-ft)

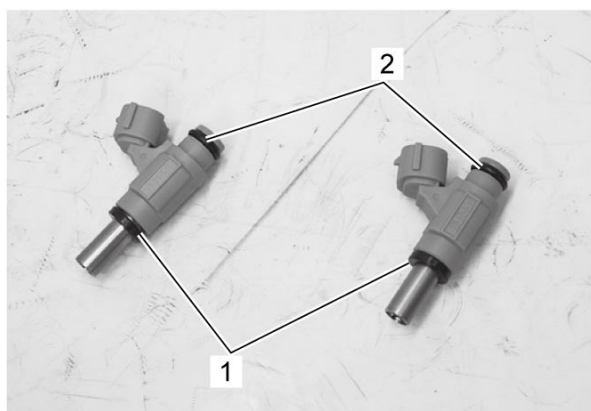




- 10)** Check the throttle valve operating smoothly.
- 11)** Adjust the position of TP sensor, if necessary.



- 12)** Apply a thin coat of the engine oil to the new cushion seals (1) and new O-rings (2).



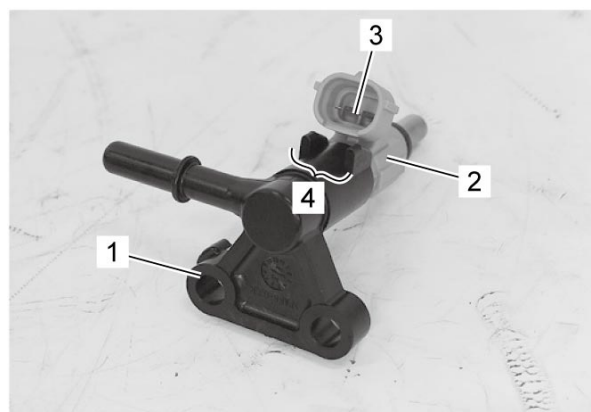
- 13)** Wipe off the mounting surfaces on the delivery pipes (1) where the fuel injectors (2) will be seated with a clean rag.
- 14)** Install the fuel injectors (2) by pushing them straight to the delivery pipes (1).

NOTICE:

Never turn the fuel injectors (2) while pushing them.

NOTE:

Align the coupler (3) of the fuel injector (2) with boss (4) of the delivery pipe (1).



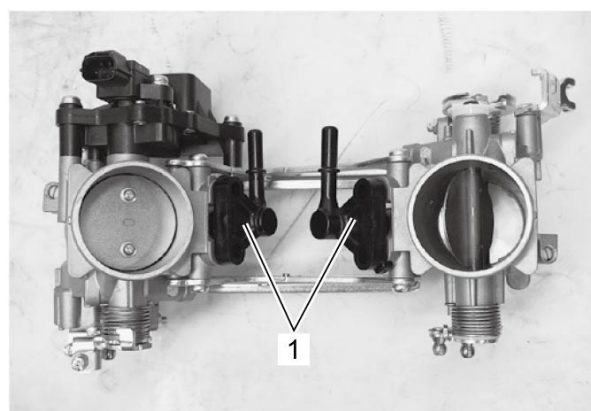
- 15)** Install the fuel delivery pipe assemblies (1) to the throttle body.

NOTICE:

Never turn the fuel injectors while installing them.

NOTE:

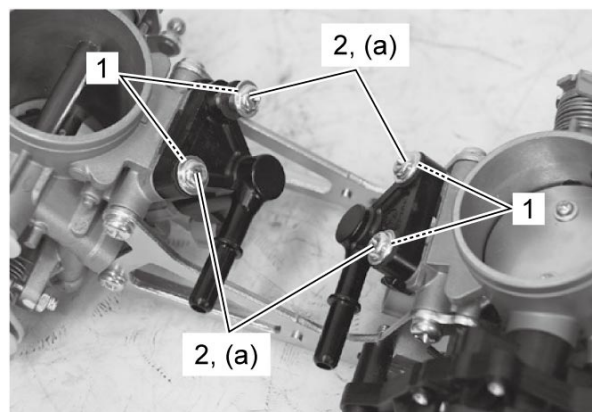
When installing the fuel delivery pipes to the throttle body, pay attention to the difference of the fuel delivery pipes.



- 16)** Install the rubber washers (1).
17) Tighten the fuel delivery pipe mounting screws (2) to the specified torque.

Tightening torque

Fuel delivery pipe mounting screw (a): 3.5 N·m (0.35 kgf-m, 2.5 lbf-ft)



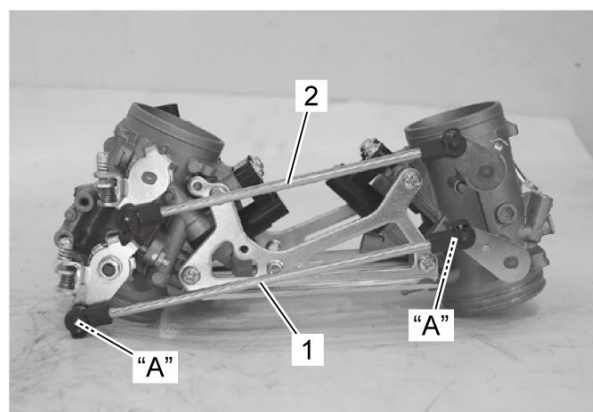
18) Apply grease to the throttle link rod joints.

"A": Grease 99000-25350 (SUZUKI WATER RESISTANT GREASE EP2)

19) Install the throttle link rod (1) and secondary throttle link rod (2).

NOTE:

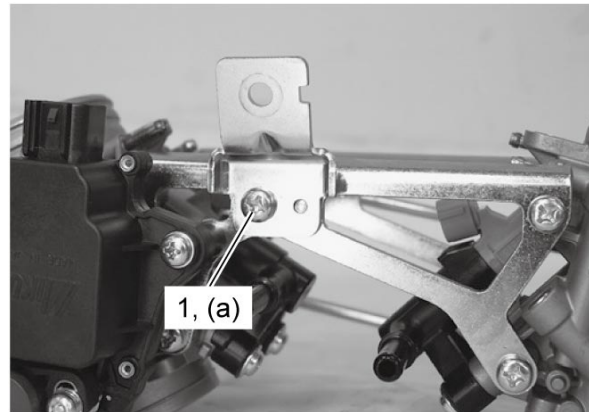
The throttle link rod (1) is longer than the secondary throttle link rod (2).



20) Tighten the EVAP system purge control solenoid valve bracket screw (1) (If equipped).

Tightening torque

EVAP system purge control solenoid valve bracket screw (a): 5 N·m (0.5 kgf-m, 4.0 lbf-ft)



21) Tighten the EVAP system purge control solenoid valve nut (1) (If equipped).

Tightening torque

EVAP system purge control solenoid valve nut (a): 7 N·m (0.7 kgf-m, 5.0 lbf-ft)

22) Install the purge hoses (2) (If equipped), clamp (3) (If equipped).

23) Install the IAP sensor vacuum hoses (4) and fuel feed hose (5).

