

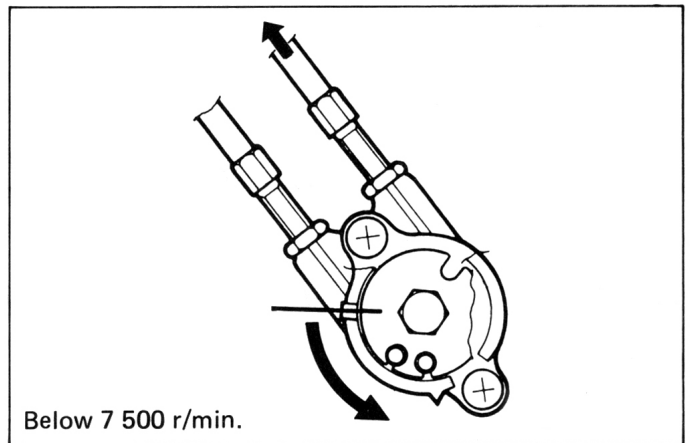
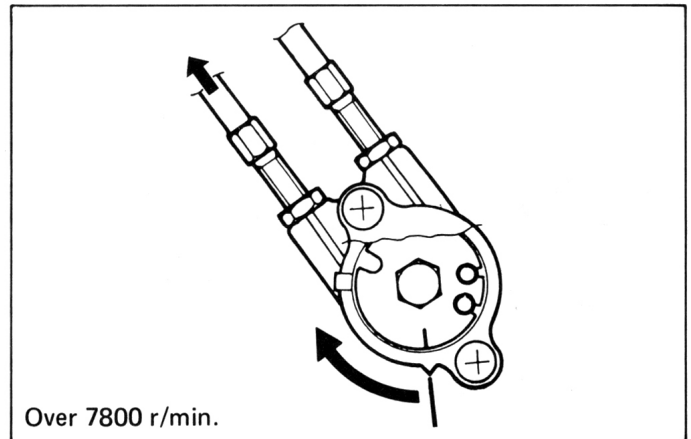
INSPECTION

EXHAUST VALVE OPERATION

- Remove the right fairing.
- Remove the exhaust valve pulley cover from the No. 2 cylinder.
- Start the engine and increase the engine r/min. to check the exhaust valve operation.

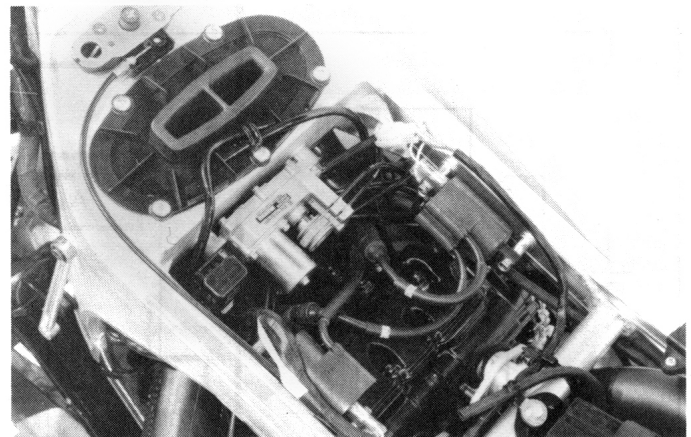
Exhaust valve	Engine r/min
Open → Close	7 800 r/min.
Close → Open	7 500 r/min.

- If the exhaust valve does not operate at the specified r/min, inspect the individual parts for any defect.

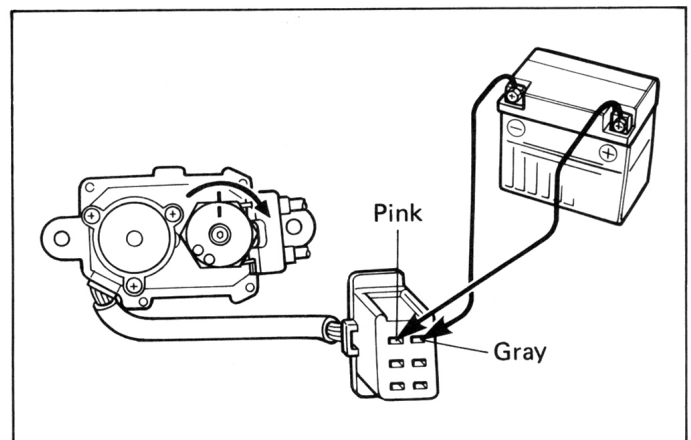


ACTUATOR

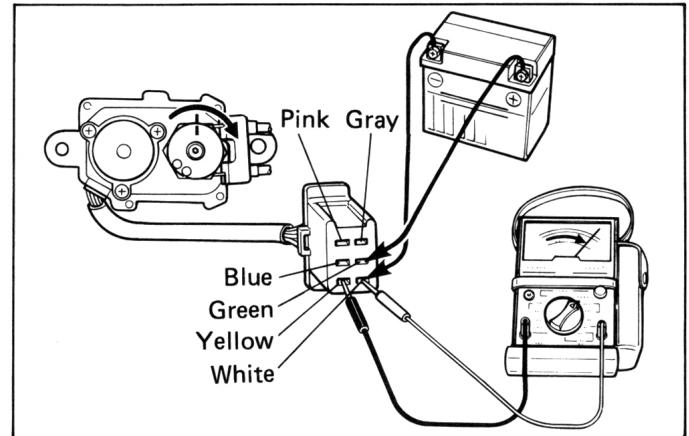
- Remove the fuel tank.
- Disconnect the exhaust valve control cables from the actuator and remove the actuator from the chassis.



- Apply DC 12V to the Pink and Gray leads of the actuator.
- Actuator pulley turns clockwise when ⊕ lead connects to the Pink and ⊖ lead to the Gray lead.
- When reversing the connection, pulley turns counterclockwise.
- If the actuator shaft or pulley does not turn, replace the actuator assembly with a new unit.

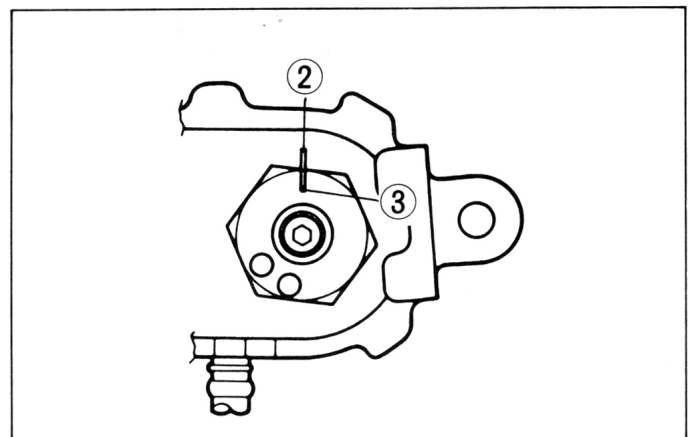
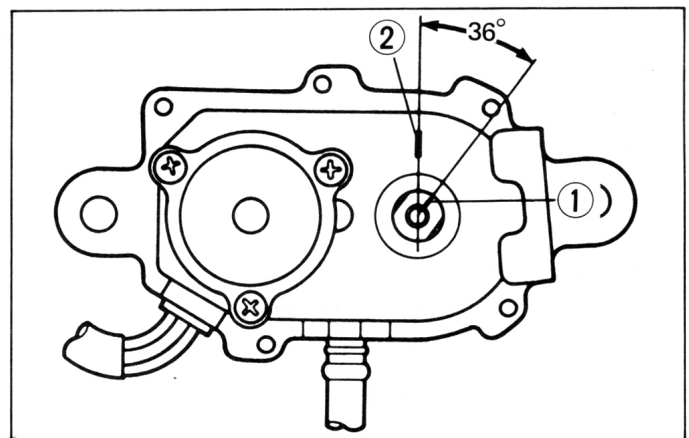


- Apply DC12V to the Green lead and White lead of the actuator. Connect the \oplus positive terminal of the battery to the Green lead and \ominus negative terminal to the White lead of the actuator.
- Using a pocket tester (x k Ω range) check the continuity between White and Yellow leads while turning the actuator pulley slowly by hand. Connect \oplus probe of tester to the White lead and \ominus probe to the Yellow lead. If there is no continuity point in one rotation of the pulley, stopper sensor in the actuator is defective and replace the actuator with a new one.
- Check the continuity between White and Blue leads in the same manner prescribed above. Connect the \oplus probe of tester to White lead and \ominus probe to Blue lead.



ACTUATOR PULLEY

- When reinstalling the pulley to the pulley shaft, turn the pulley shaft and bring the engraved line ① on the shaft end to right side by 36 degree to the index mark ② on the actuator body.
- Install the pulley to the shaft so that the aligning mark ③ on the pulley meets the index mark ②.



NOTE:

When connecting the exhaust valve control cables to the actuator, make sure that the pulley should be kept at the right figure and all exhaust valves should be opened.