

6. Install:
 - Air cleaner
7. Set engine idle speed.



V-BOOST

REMOVAL

1. Remove:
 - V-boost assembly

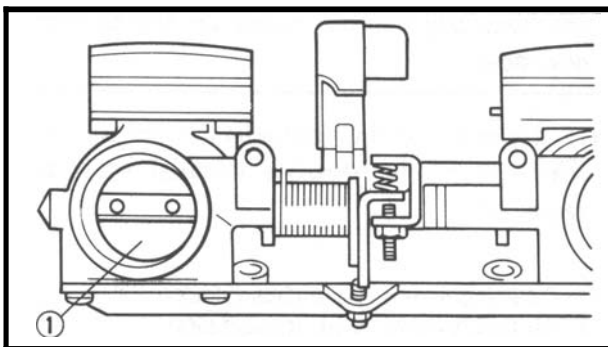
Refer to engine removal section.

NOTE:

The V-boost can be inspected without the disassembly. It is not necessary to disassemble the V-boost.

INSPECTION

1. Inspect:
 - V-boost body
 - Contamination → Clean.
 - Use a petroleum based solvent.
 - Butterfly valves ①
 - Damage/Wear → Replace V-boost assembly.



ADJUSTMENT

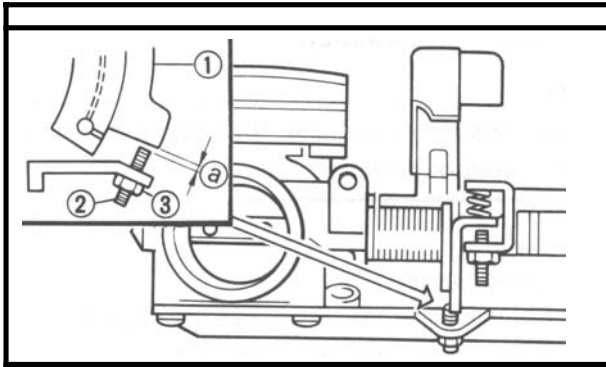
NOTE:

These adjustments are only required when following part(s) is replaced.

- Servo motor
- Control cable
- Control cable joint
- Carburetor joint


Control Cable Adjustment

1. Turn on the main switch for the servo motor initial operation (valve closed position).



2. Measure:

- Clearance (a)
Between the pulley (1) and the adjuster (2) .
Out of specification → Adjust.

	<p>Clearance (a) : 0.3 ± 0.1 mm (0.012 ± 0.004 in)</p>
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③ Locknut

3. Adjust:

- Clearance
By the following adjustment steps.

Clearance adjustment steps:

First step:

NOTE:

Do not loosen the locknut (5) in this stage.

- Loosen the lock bolt (2) .
- Turn on the main switch for the servo motor initial operation (valve closed position).

NOTE:

By performing these steps, and appropriate tension for the control cable 1 (1) can be obtain with the spring (4) in the joint (3) .

- Tighten the lock bolt to specification.



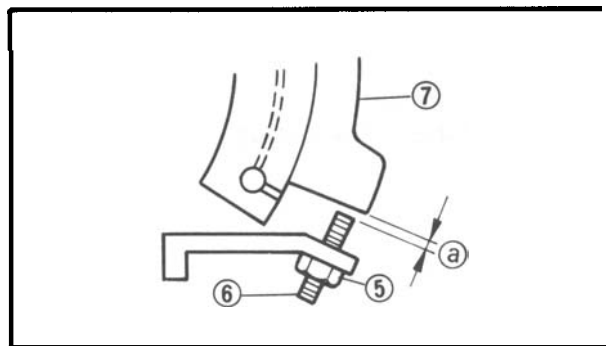
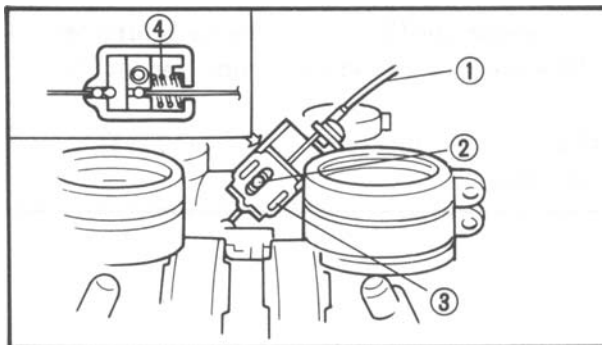
Lock Bolt:
3.5 Nm (0.35 m·kg, 2.5 ft·lb)

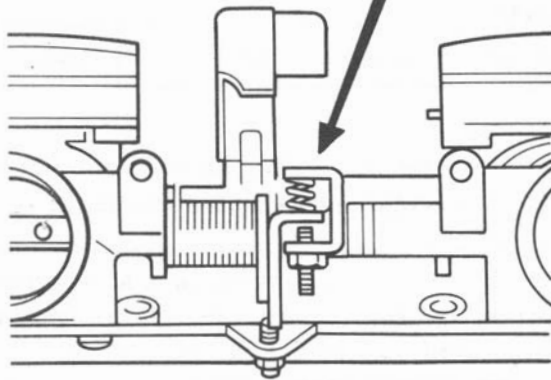
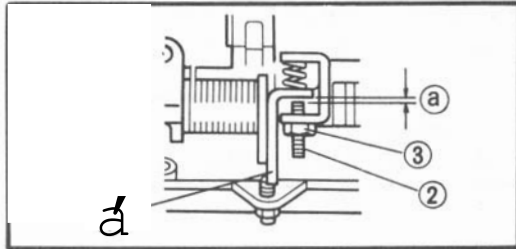
- Measure the clearance (a) . If not, perform the next step.

Second step:

- Loosen the locknut (5).
- Turn the adjuster (6) clockwise or counter-clockwise until proper clearance is attained.
- Tighten the locknut. Apply LOCTITE® to the locknut.

⑦ Pulley





V-boost Synchronization

NOTE:

Before synchronizing the V-boost, the control cable should be adjusted.

①



Clearance a

$0.4 \pm 0.1 \text{ mm (} 0.016 \pm 0.004 \text{ in)}$

2. Adjust:

- Clearance

By the following adjustment steps.

V-boost synchronization adjustment step:

- Loosen the locknut ③ .
- Turn the adjuster ② clockwise or counter-clockwise until proper clearance is attained.
- Measure the clearance. If not, repeat above step.
- Tighten the locknut. Apply LOCTITE® to the locknut.

INSTALLATION

1. Install:

- V-boost assembly

Reverse the removal steps.