



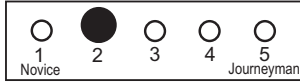
MOWER ASSEMBLY

Kawasaki Throttle Adjustment

SERVICE TIPS

Updated: 04/2016

DIFFICULTY LEVEL - 2



5 to 10 Min

Before working - always follow all instructions and warnings described in the Operator's Manuals for this mower.

NOTICE:

This instruction assumes that you have already assembled the Ybravo mower according to the Operator's Manual provided with the mower.

If you are unsure of how to use these instructions please contact us by e-mail: service@ybravo.com or by phone: 1.888.ybravo.1 (1.888.927.2861)

Tools needed:

- 2 pcs 10mm wrenches
- 1 pcs 10mm socket
- 1 pcs Phillips screw driver

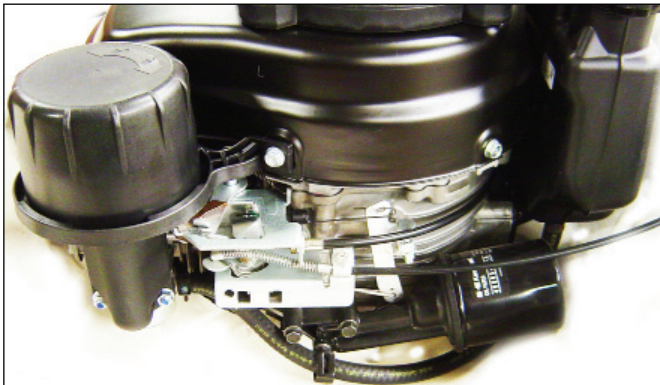


FJ180V KAI Engine Specifications used by Ybravo:

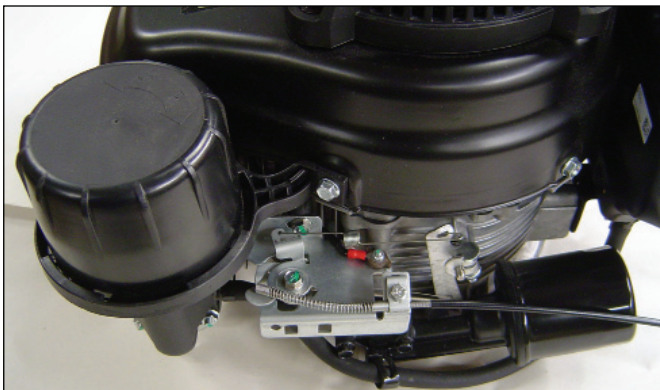
- "M22" used on 21" Zone Start - 3300 RPM
- "M23" used on 25" BBC - 3600 RPM
- "M24" used on 21" BBC - 3300 RPM

Kawasaki Throttle Control Design

Throttle control on Zone Start engines.



Throttle control on BBC engines.

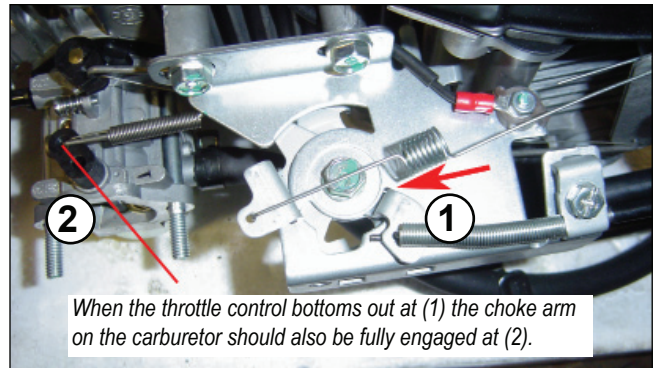
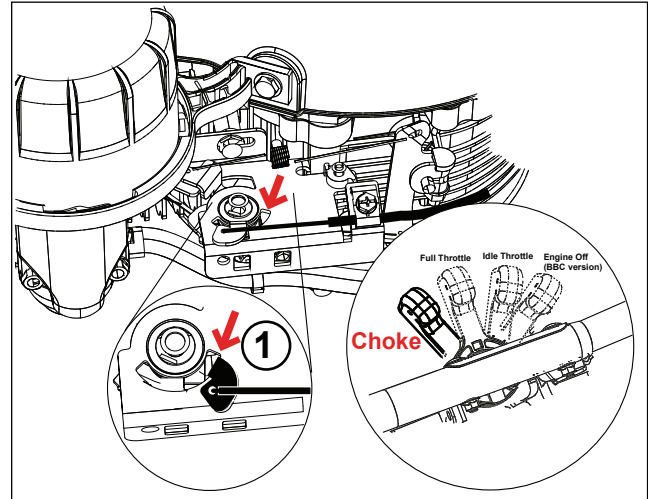


The methods for checking and adjusting RPM and Full Throttle position is the same on all the Kawasaki FJ180V engines. We are illustrating the procedures on the BBC engine for clarity.

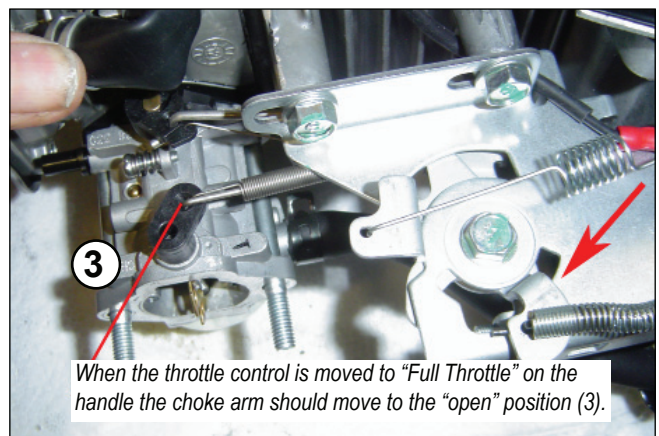
STEP 1

Verify that the throttle control is adjusted properly as follows:

- Move the throttle control to the Choke position.
- In the Choke position the arm attached to the throttle cable at the engine should bottom out at the arrow (1).



When the throttle control bottoms out at (1) the choke arm on the carburetor should also be fully engaged at (2).

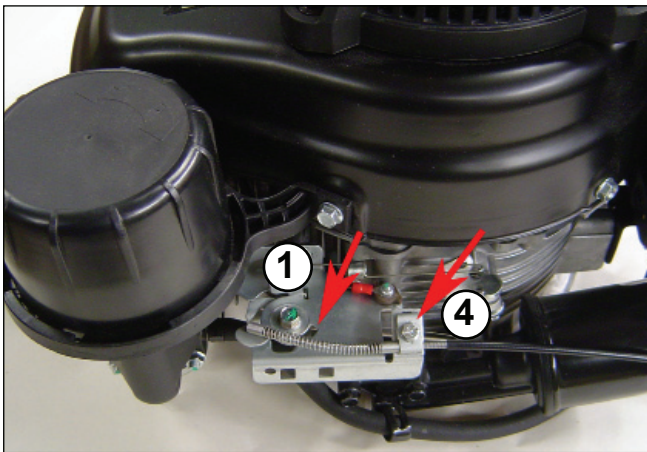
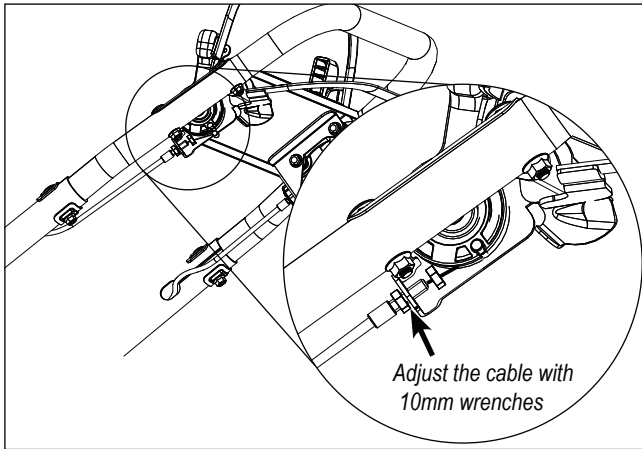


When the throttle control is moved to "Full Throttle" on the handle the choke arm should move to the "open" position (3).

The air filter has been removed on these pictures for clarity.

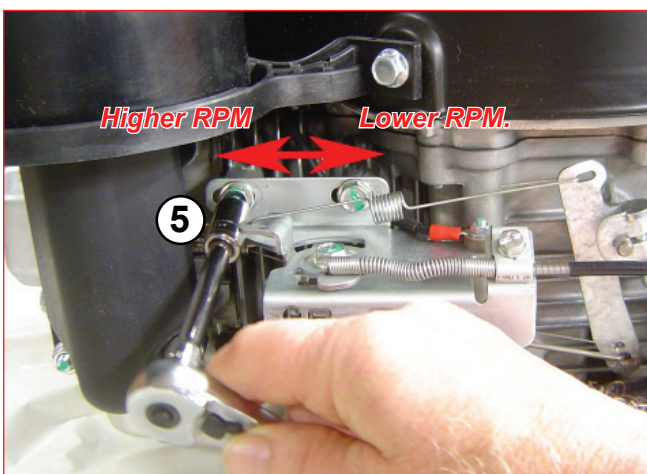
STEP 2

When operating the throttle control and if there is no contact at (1), per **STEP 1**, it is possible to adjust the throttle cable at the handle as well as readjusting the cable sheath at the engine (4).

**STEP 3**

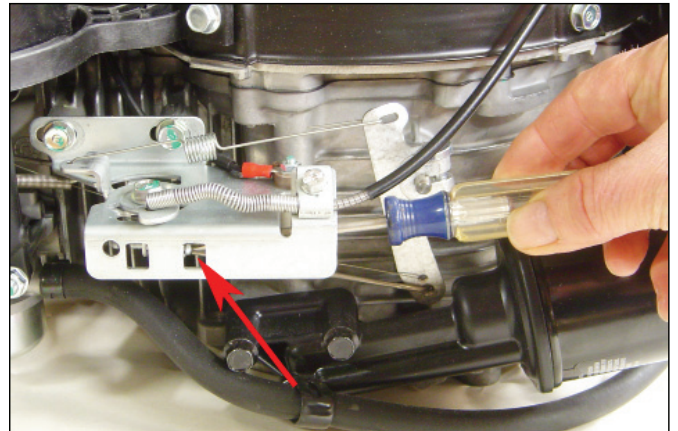
If the throttle control and cable are properly installed and adjusted it is possible to do a limited RPM adjustment at the engine by sliding the throttle control bracket per below illustration.

- Loosen the two 10mm bolts that hold the bracket assembly to the engine (5).
- Slide the bracket for a "Lower" or "Higher" engine speed.
- After sliding the bracket in the desired direction - tighten the bolts - start the engine and verify the RPM.

**STEP 4**

On the Kawasaki engine it is possible to adjust the Choke Engagement setting separately from the throttle. Proper adjustment is normally made by Kawasaki at assembly.

If it is found that the Choke does not fully close after following the instructions in Step 1 and Step 2 readjust the choke engagement by turning the adjustment screw under the throttle control bracket as illustrated.

**MAINTENANCE - SERVICE**

Customers have occasionally reported that the throttle control on the engine can get "sticky" from dirt and wear and not return properly.

If the throttle control does not operate smoothly, clean and lubricate the areas (6) between the panel assembly and the rotating throttle plate.

