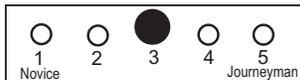


### SERVICE TIPS

Updated: 08/2009

DIFFICULTY LEVEL - 3



15 to 25 Min

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

#### UNPACKING:

Carefully remove the machine from its packaging and check that you have the following items:

**Upper Handle complete**

**(2) Lower Handle tubes**

**Mower Bag and Mulch Plug (installed on the mower)**

**Tool kit**

**Honda engine Owner's Manual**

**Bravo 21 Operator's Manual.**

#### NOTICE:

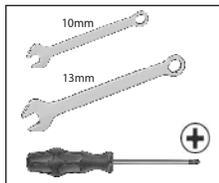
If you are missing any of these items or if you are unsure of how to properly assemble this mower please contact: [service@ybravo.com](mailto:service@ybravo.com) by e-mail or by phone: 1.888.ybravo.1 (1.888.927.2861)

Tools needed for assembly:

10mm wrench

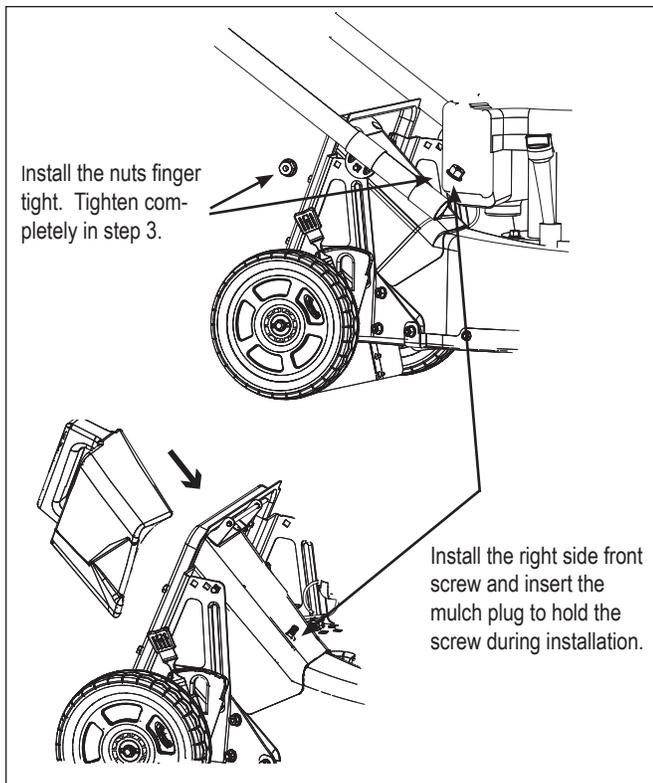
13mm wrench

Philips screwdriver



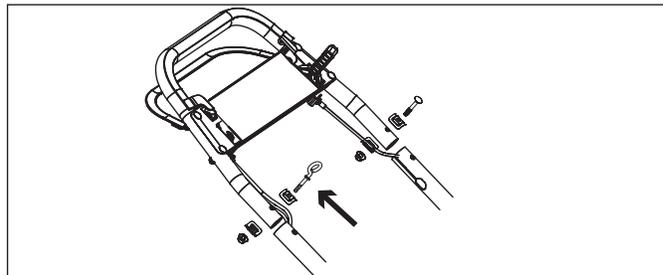
#### STEP 1

Install the red handle tubes to the mower with the M8 carriage screws. Do not tighten the nuts. There are three holes for the upper clamp to enable height adjustment. A good starting point is the middle hole for a medium height setting.



#### STEP 2

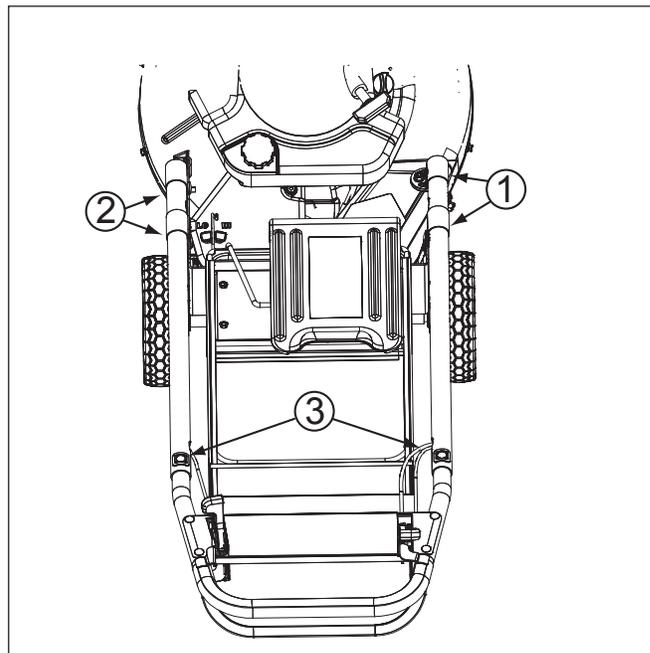
Slide the upper handle assembly into the two lower tubes. Insert the carriage screw and use one square washer on each side of the handle tube on the left side. Insert the starter rope guide into the right side hole also using the enclosed square washers.



#### STEP 3

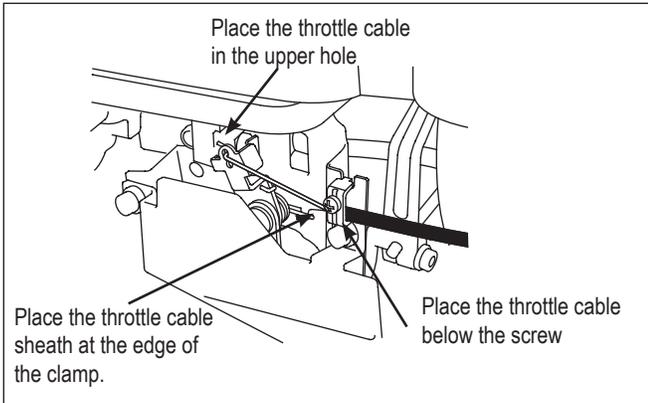
To simplify the alignment of the handle, install the grass catcher. Tighten the screws in the following order:

- 1 - Tighten the two screws on the right side tube clamps
- 2 - Align the left tube with the catcher (same as the right side) and tighten the lower clamps.
- 3 - Tighten the upper screws that attaches the handle assembly to the tubes.



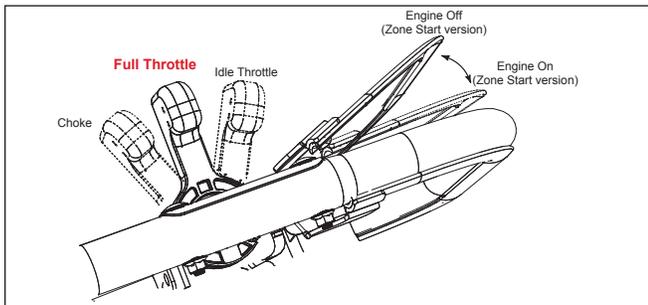
## STEP 4

Insert the throttle cable inside the left handle tube. The cable will come out at the bottom of the tube. Install the throttle cable to the engine per the illustration. Install the edge of the cable sheath in line with the edge of the clamp as illustrated.

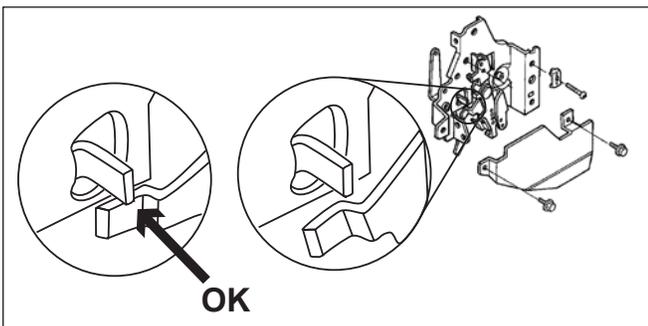


## STEP 5

Verify that the throttle control is adjusted properly as follows:  
 - Move the throttle control to the Full Throttle position.



- In the full throttle position the two arms at the throttle mechanism on the engine should touch as illustrated below.

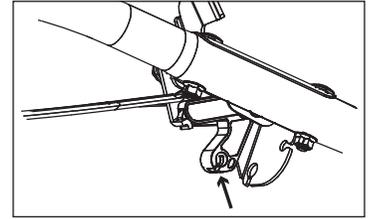


Following these steps for the throttle adjustment will ensure that the Honda engine performs properly.

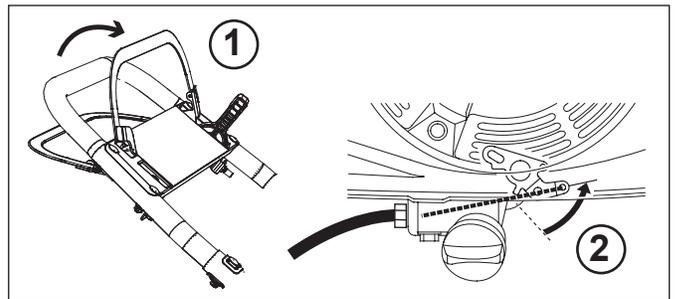
The engine speed is adjusted to 3100 RPM at the factory.

## STEP 6

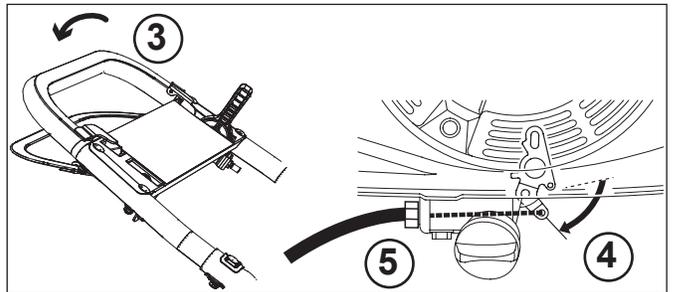
Install the barrel shaped cable end into the plastic lever on the control panel. Pull in the cable sheath and insert it into the hole in the control panel.



When the upper control bar is depressed towards the handle it will release the flywheel break/stop switch of the engine. The cable is adjusted at the factory however it is important to understand the function and how the adjustment can be checked.



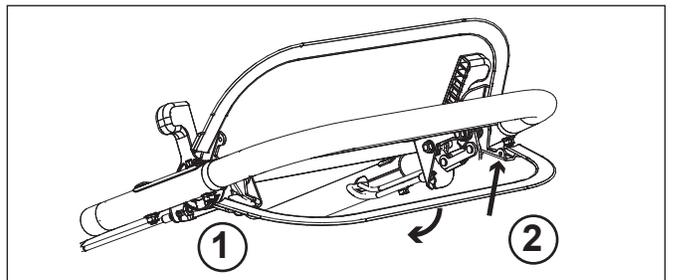
With the upper control bar in the released position (1) the arm on the engine at (2) should be able to move forward towards a limiter. This position of the arm ensures that the flywheel brake and stop switch on the engine are fully engaged.



With the upper control bar pushed down towards the handle (3) the arm on the engine should move towards a limiter in the direction of the arrow (4). This is the normal operating position of the flywheel brake system. The length of the cable can be adjusted at (5) with a 10mm wrench.

## STEP 7

To assist with the installation of the drive cable to the lower control bar push the control bar past the spring lock (1) that normally retains the control bar in a comfortable operating position.



Insert the cable spring into the hole (2) in the control bar. Insert the cable adjustment into the control panel.