

John Langille Governor Setup Information

From: langillejc
Date: Sun Apr 16, 2000 10:44 am
Subject: Re: Governor setup

WITHOUT the Engine Running:

Adjust Governor Pulley against the v-belt until the pressure of your thumb can rotate the governor pulley but your other fingers can't. Install Governor Spring in center hole of the Governor Arm.

Bellcrank on Throttle Shaft:

"Imagine" a vertical center line for the Carb Throttle Shaft. Adjust the Bellcrank (of the Governor Linkage which is pinching the Throttle Shaft) so the link rod Pivot Hole will move equal distance of the center line as you rotate the Carb Throttle Shaft from left to right and vice versa (from IDLE position to FULL SPEED position).

This is all done WITHOUT the engine running.

Now set the Throttle Control (which is on Handlebar) to the Full Speed position. This will apply spring pressure on the governor spring.

Next you will be installing the connecting linkage.

Move the open hole of the Throttle Shaft Bellcrank to the Far Left (this is towards the front of the tractor).

Set the Connecting Link (which is about 7-8" long) into the governor arm swivel and into the open hole of the Bellcrank. With the Link resting in this position, push the governor arm back towards the rear of the tractor an additional 1/8" and tighten the pinch screw. At this time you would also install the Link Retaining Clip.

Now RESET the Throttle Control to Idle Position on your Handlebar.

Make alignment adjustments of your governor linkage so the linkage will move left to right and vice versa WITHOUT binding.

Start your tractor and hopefully it will work fine.

If your tractor runs WILD, you may have internal weight problems where the weights or bearings are worn out. Sometimes the Center of the Governor Pulley can be worn out as it is found to spin within the Pulley.

Good Luck.

PS. Please post how the directions work out for you because I might like to make a Instruction Sheet to keep.

Regards,

John L. "Gravelly Hockessin" Hockessin, De.

From: gravellybob
Date: Sun Apr 16, 2000 8:21 pm
Subject: Re: Governor setup

John L. A little confusion about whether your instructions were for a carb situated with main jet toward the front or rear of tractor and does it make a difference? I have some of both (11 L Models)

Imaginary vertical line for bellcrank (good way to describe positioning). Should the hole in the bellcrank be at top of carb or 180degrees? Or does it matter? Moving open hole of bellcrank to far left. Would that be full throttle or idle?

I set up one tractor today & got it to work but if I push the gov. arm back an additional 1/8 inch the tractor would not idle. Runs too fast. When I don't push it back that 1/8 inch I can't seem to get a full throttle type of speed.

At any rate sure appreciate the help. Hope this helps you with your instruction sheet. Let me know if I can be of anymore help.

Bob

From: langillejc
Date: Mon Apr 17, 2000 7:22 am
Subject: Re: Governor setup

Directions will work for both styles.

Moving hole to far left would be full throttle position.

The tractor not going back to idle problem might be found at the carb intake carb bolt head.

This is the 5/16" bolt head requiring a 1/2" wrench. Loosen the bolt head and push the governor linkage away from the carb and retighten the bolt. When you retighten the bolt, try to get the flat of the bolt head to be parallel to the linkage.

Tractor not coming up to enough rpm's is most likely your linkage not pulling the spring enough.

Just remembered that you might look at the linkage 90 degree clip. The ears of the clip could be restricting some travel. These ears might have to be pinched down a little more if they happened to be damaged.

Time to get down to the shop.

Regards,

John L. "Gravelly Hockessin" Hockessin, De.