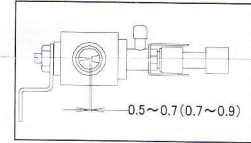


I N S T R U C T I O N

ADJUSTMENT OF THE MIXTURE CONTROL NEEDLE OF ENYA TN TYPE CARBURETOR

ENYA TN type carburetors are adjusting at the factory to perform normally. But, in case you need to reset the Mixture control needle ④ the following process is recommended.

1. Close the Throttle valve ② just 100% adjusting the Idling speed adjusting screw ⑩.
2. Maintaining the Throttle valve closed, turn the Mixture control needle ④ clockwise with a screw driver until it stops. This means that the needle close up the jet hole of the Spray bar ⑫.
3. Then turn back the needle again 1 ½ turns. (0.5~0.7 mm) « For HELI: 2 turns. (0.7~0.9 mm) »
4. Open the Throttle valve, and readjust the idling speed adjusting screw again.
5. Now your TN carburetor will perform normally. And if you prefer the finer adjustment, do it while you really run the engine.



RUNNING AND ADJUSTMENT OF ENYA ENGINE WITH TN TYPE CARBURETOR

You can easily control the richness of the mixture of idling and medium speed by adjusting the Mixture control needle ④. And when the adjustment of 2 needles is proper, the mixture will be maintained in good condition between the overall speed range by the combination of the radial movement of the throttle valve and the axial slide of the precisely tapered mixture control needle which adjusts the sectional area of the jet hole of the spray bar.

1. Usually it is recommended to pressurize the fuel tank with the muffler pressure to get a more constant engine running in the air.
2. The starting method and the Main needle valve ⑬ adjustment are almost same as in the case of the normal barrel type and ENYA G type carburetor. After the engine starts, open the throttle valve fully, and adjust the needle valve slowly to the best running position. Then try "Hi-Lo" and "Lo-Hi" operation.
3. When the idling mixture is too rich and the "Lo-Hi" response is slow, turn the Mixture control needle ④ clockwise ¼ turn with a screw driver. And try "Lo-Hi" again. You will get a better result.
4. On the other hand, in case the engine has a tendency to lean out while it is idling, turn back the mixture control needle counter-clockwise ¼ turn.
5. To get a steady and dependable running, it is very important to feed the engine with a slightly rich mixture.

PROPER OPENING OF THE MAIN NEEDLE VALVE

(5% nitro-methane fuel)

Name	Pressurized tank		Normal tank	
	Starting	Best running	Starting	Best running
TN-101C				
TN-121,121H				
TN-131,131H	2 ~ 2 ¼ turns	1 ½ ~ 1 ¾ turns	3 ~ 3 ¼ turns	2 ~ 2 ¼ turns
TN 7.5-122				
TN 7.5-122H				
TN-151H	2 ½ ~ 3 turns	1 ¾ ~ 2 turns	4 ~ 5 turns	3 ~ 3 ¼ turns

NOTICE

TN-151H has an additional Idling mixture adjusting screw ⑭. This is a fine adjuster for idling mixture, and has almost no influence on medium and high speed running. When the Lo-High response is too slow, it means the idling mixture is too rich. Turn the Idling mixture adjusting screw ⑭ ¼ ~ ½ turn counterclockwise until the idle running becomes normal and Lo-Hi response is good.

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