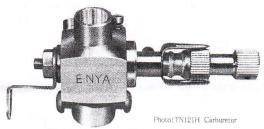


# TN Type Carburetors (2 Needle type)

Name	Engine		Note	
TN-101C	ONN	ULTRA11CX/SS15BB	Refer to Fig A and B	
TN-121	SNV TYPE For 2cycle	SS25/30/35	Refer to Fig B	
TN-131		SS40/45/50,40-61CX	Refer to Fig B	
TN7.5-122		35X	Refer to Fig B	
TN-121H		SS25/30/35 HELI.	Will The Same	
TN-131H	NORMAL TYPE For 2cycle	SS40/45/50 HELI.		
TN7.5-122H		35X HELI.		
TN-151H		60X/80X (except GP type)	Refer to Fig C	
TN-121F	For 4cycle	41-4C TN/53-4C TN		
TN-131F	1 OI 4CYCIE	90-4C TN/120-4C TN		



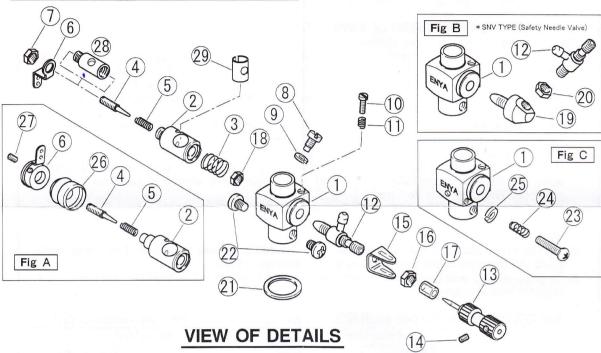


図	部品名称	Parts No.									
号	ecas e(12)	TN-101C	TN-121H	TN-121F	TN-121	TN-131H	TN-131F	TN-131	TN7.5-122H	TN7.5-122	TN-151H
	Throttle valve assembly	11CX70	S30H70	534C70	\$3070	S50H70	904C70	\$5070	35XH70	35 X 7 0	60X90
1	Throttle body	110X70A	\$30H70A	534C70A	S30H70A	S50H70A	904C70A	\$50H70A	35 X 7 O A	-	60X90A
2	Throttle valve	11CX70B	S30H70B	// V=0	-	S50H70B	904C70B	\$50H70B	-	-	60X90B
3	Valve spring	S 2 5 7 0 N	-	-	-	-	-	+	-	-	-
4	Mixture control needle	110X70M1	S 2 5 7 0 M 1	-	-	S5070M1	-	-	-	-	60X90M
5	Locking spring	S 2 5 7 0 M 2	-	-	-	-	-	+	-		603301
6	Throttle lever	110X700	S2570C	-	-	-	-	-	-	-	60X90C
7	TV Lever setting 5 mm nut		29440F4	-	-		-	-	-	-	60X90E
8	Valve guide screw	S2570Y			-	-	-	-	-	-	-
9	Spring washer	SW3	-		-	-	-	-	-	-	-
10	Idling speed adjusting screw	15240H	-	-	-	-	-	-	-	-	60230H
11	Locking spring	15240	-	-	-	-	-	-	-	-	19X40K
2~20	TV needle valve assembly	11CX75F	S2570F	534C70F	S2575F	S4070F	904C70F	S4075F	S4070F	S4075F	60X90F
12	Spray bar	110X40F2	S2570F2	534C70F1	19X40F2	S4070F2	-	19X40F2	S4070F2	19X40F2	60X90F
13	Needle	464040F1	-	-	-	904C40F1	-	464C40F1	904C40F1	464C40F1	60X90F
14	Hollow screw	\$3×03	-	-	-	-	-	-	-	-	
15	Needle setting spring	15220C	-	-	-	-	-	-	-	10-1	20-01
16	Spring setting 4 mm nut	09230F5	-	-	-	-	-	-	-		-
17	Seal of needle			60X60M							60X60M
18	Spray bar locking nut	29440F4	S2570F4	-	29440F4	S2570F4	-	29440F4	S2570F4	29440F4	S 2 5 7 0 F
19	70° (%60° ) spray bar	110X70F2			11CX70F2			1:35 X 7 O F 2		0:35 X 7 0 F 2	
20	Spray bar locking nut	S2570F4			S2570F4			S 2 5 7 0 F 4		S2570F4	
21	Gasket of Throttle valve	15323	60223	464C40M	60223	-	904C40M	60223	-	-	60X23
22	TV assy setting screw(2pcs)	S 2 5 4 0 G	-		S 2 5 4 0 G	_		S 2 5 4 0 G	-	-	60230G
23	Idling mixture adjusting screw										602300
24	Locking spring										603301
25	Spring washer										60×30L
26	Gum boot	11CX70P									
27	TV Lever setting screw	\$3×03									
28	TV lever extension		S30H70C1			S30H70C1			\$30H70C1	-	60×90Z
29	Venturi			534C70V						35 X 7 0 V	

## INSTRUCTION

## ADJUSTMENT OF THE MIXTURE CONTROL NEEDLE OF ENYA TN TYPE CARBURETOR

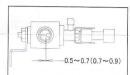
ENYA TN type carburetors are adjusting at the factory to perform normally. But, in case you need to reset the Mixture control needle ④ the following process is recommended.

Close the Throttle valve ② just 100% adjusting the Idling speed adjusting screw ⑩.
 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 $\sim$ 0.7 mm)  $\langle$  For HELI: 2 turns. (0.7 $\sim$ 0.9 mm)  $\rangle$ 

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 ③ 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.

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 OPENNING OF THE MAIN NEEDLE VALVE

( M O /			
1500	nitro-r	nethane	tiroll
(0/0	111010-1	nemane	Tuen

N am e	P ressur	ized tank	Nomaltank		
	S tarting	Bestrunning Bestrunning	Starting	Bestrunning	
TN-101C					
TN-121,121H					
TN-131,131H	2 ~ 2 ½ tums	1 ½~ 1 ¾ tums	3 ~ 3 ½ tums	2 ~ 2 ½ tums	
TN 7.5-122	2 274 21110	172 174 61110	0 - 0 /4 Ш1118	2~274 ums	
TN 7.5-122H					
TN-151H	2½~3 tums	1 3/4 ~ 2 tums	4 ~ 5 tums	3 ~ 3 ½ tums	

#### NOTICE

TN-151H has an additional Idling mixture adjusting screw 3. 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 3  $\frac{1}{4} \sim \frac{1}{2}$  turn counterclockwise until the idle running becomes normal and Lo-Hi response is good.

#### ENYA METAL PROUCTS CO., LTD.

16-3 CHIKUMAZAWA-HIGASHI, MIYDSHI-MACHI, SAITAMA, 354-DD46 JAPAN.