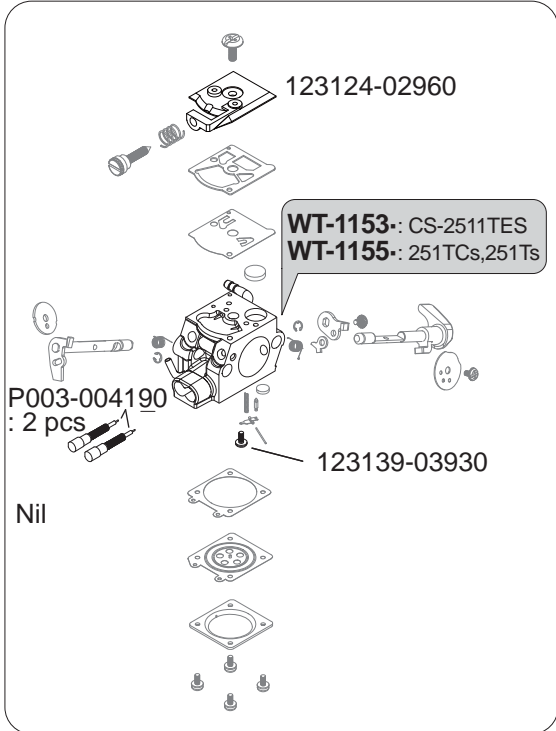
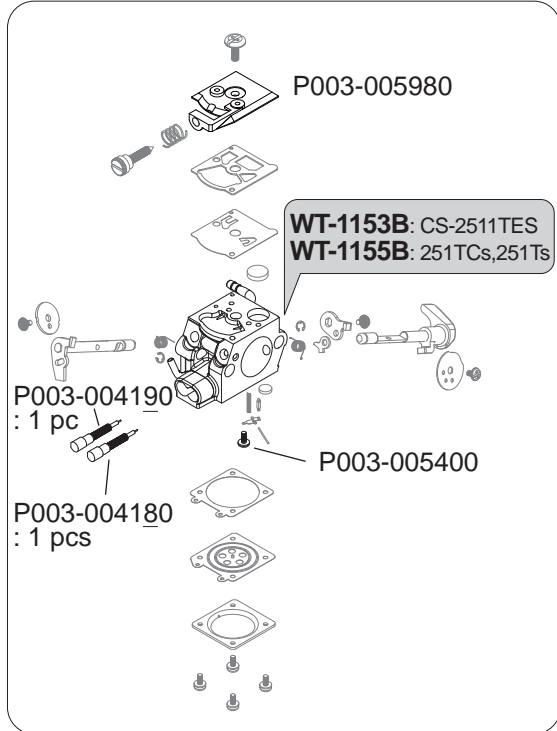


TECHNICAL INFORMATION

SUBJECT: Carburetor on **ECHO CS-2511TES, shindaiwa 251TCs and 251Ts**

Number: Y2018-659(1/2)
Issued: Nov. 30, 2018

Changed carburetor assembly to prevent engine stop after engine stall.
Changed some parts material for better alcohol resistance.

	Serial Number 33002510 and before	Serial Number 33002511 and after
CS-2511TES(33)	Serial Number 33002510 and before	Serial Number 33002511 and after
CS-2511TES(37)	Serial Number 37063060 and before	Serial Number 37063061 and after
251TCs(37)	Serial Number 37010000 and before	Serial Number 37010001 and after
251Ts(37)	Serial Number 37008940 and before	Serial Number 37008941 and after
Fuel pump cover Needle Screw H mixture needle Carburetor assembly	 <p>123124-02960</p> <p>WT-1153: CS-2511TES WT-1155: 251TCs, 251Ts</p> <p>P003-004190 : 2 pcs</p> <p>123139-03930</p> <p>Nil</p> <p>A021-004520: CS-2511TES A021-004550: 251TCs, 251Ts</p>	 <p>P003-005980</p> <p>WT-1153B: CS-2511TES WT-1155B: 251TCs, 251Ts</p> <p>P003-004190 : 1 pc</p> <p>P003-005400</p> <p>P003-004180 : 1 pcs</p> <p>A021-004522: CS-2511TES A021-004552: 251TCs, 251Ts</p>
<p>Carburetor assembly A021-004520 can be replaced with A021-004522. Carburetor assembly A021-004550 can be replaced with A021-004552.</p>		

(Continued)

TECHNICAL INFORMATION Number: Y2018-659(2/2)

Carburetor adjustment

Carburetor type		A021-004520 (WT-1153-) A021-004550 (WT-1155-)	A021-004522 (WT-1153B) A021-004552 (WT-1153B)
Initial setting	H mixture needle turn out	2 5/8	2
	L mixture needle turn out	1 7/8	2 1/2
	Throttle adjust screw turn in	1 5/8	1 1/2
1) Engine warm-up	Idle - WOT : Total sec.	5 - 5 : 100	5 - 5 : 30
2) Find idle maximum speed		Adjust L mixture needle to maximum idle speed	
3) Set idle maximum speed w/ TAS	r/min	4,200	4,200
4) Set idle speed by turning L mixture needle CCW	r/min	3,200	3,400
5) Confirm H mixture needle position before WOT setting*		Turn H mixture needle CCW to confirm engine speed decreases less than or equal to 12,000 r/min.	
6) WOT setting*	r/min	Turn H mixture needle CW and set engine speed within 12,500 - 12,700	
7) Final WOT setting*	r/min	Turn H mixture needle CW by: 1/2 turn within 12,700 - 13,400	
8) Verify final engine speed with standard equipment*	r/min	Idle: 2,800 - 3,600	Idle: 3,100 - 3,300 WOT: 12,700 - 13,400
9) Verify clutch engagement speed		Confirm clutch engagement speed. If it is less than 1.25 times the idle speed, adjust the idle speed by turning TAS CCW.	

WOT: Wide open throttle **CCW:** Counterclockwise **TAS:** Throttle adjust screw

* with standard guide bar and saw chain

NOTE: For detailed carburetor adjustment, refer to SERVICE DATA.
For ignition coil change, refer to TECHNICAL INFORMATION No.Y2018-660.