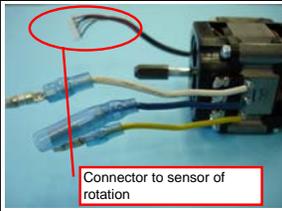
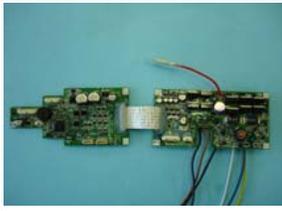
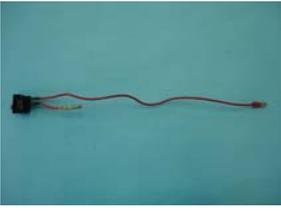


Differences of the tool performance between the RB655 and RB650A

Difference		RB650A	RB655
1	<p>Tying times per charge</p> <p>Tying times per charge was increased by about 40%. This was achieved by following factors;</p> <p>1) Improvement of the work efficiency of the Twisting motor and Feeding motor.</p> <p>2) The PC board has new program which reduces required electric current.</p> <p>Thanks to the increase of tying times per charge, the total tying times per battery life is also increased by about 40%</p>	<p>430 to 530 ties</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>*These numbers are when the tool is used with a brand new battery</p> </div>	<p>600 to 700 ties (30% more)</p>
2	<p>Lifetime of the motors</p> <p>Twisting motor of RB655 is brushless motor and its lifetime is more than 5 times longer than Twisting motor of RB650A.</p> <p>Feeding motor of RB655 is regular motor but work efficiency is improved. The lifetime of the Feeding motor of RB655 is about 25% longer than the Feeding motor of RB650A.</p>	<p>Twisting Motor: <u>70,000 to 100,000 ties.</u></p> <p>Feeding Motor: <u>200,000 to 250,000 ties.</u></p>	<p>Twisting Motor: <u>500,000 ties or more.</u></p> <p>Feeding Motor: <u>250,000 to 300,000 ties.</u></p>
3	<p>Inside temperature of the tool</p> <p>The heat created by tool operation is reduced by increase of the work efficiency of the motors.</p>	<p>Temperature of Twisting Motor after 2 hours use; (30 ties/Min.)</p> <p>260 F</p>	<p>194F (30% less)</p>
4	<p>Performance in cold weather</p> <p>The rotation of the Twisting motor on RB655 is controlled by PC board. Also the reduction of the required electric current enables stable operation in cold weather.</p>	<p>Warm-up is required if it is below</p> <p>14F</p>	<p>- 4F</p>

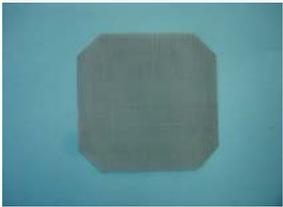
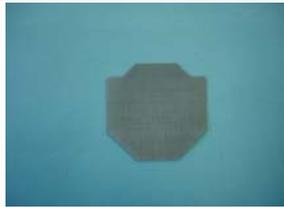
< Different parts between RB650A and RB655 (1/4)

RB650A					RB655						
ITEM	Part #	Picture		Wire color	ITEM No.	Part #	Picture		Wire color	Note	
Twisting Motor	201	RB70031		Yellow	201	RB70349			Yellow	Twisting motor of RB655 is DC Brushless motor. The Brushless motor does not have wearing parts and lasts more than 500,000 ties. Also, the Brushless motor requires less electricity and increases tying times per charge.	
				Blue					Blue		
									White		
									White color wire and connector are added.		
Feed Motor	202	RB70048			Green	202	RB70351			Purple	Feeding Motor on RB655 has better efficiency and requires less electricity.
					Brown					Brown	
										NOT interchangeable with Feeding Motor of RB650A.	
Board Unit						155	RB70367		Red	Main board and Sub board is not supplied individually. White color wire is added for running Brushless motor.	
									Black		
									Purple		
									Brown		
									Yellow		
									Blue		
								White			
Main Board Sub Board Bunkered	155	RB70195			Red						
	156	RB70196			Black						
	158	RB10833			Green						
					Brown						
					Yellow						
					Blue						
Main Switch	115	RB70091				115	RB70341			The length of wire harness is different. The longer wire is placed on the groove of Twisting Motor housing.	

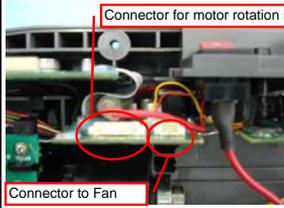
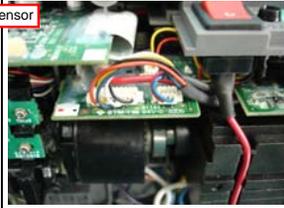
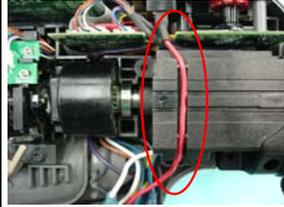
< Different parts between RB650A and RB655 (2/4)

RB650A				RB655				
ITEM	Part #	Picture		ITEM	Part #	Picture	Note	
140	CE RB70119 USA RB70120			140	CE RB81104 USA RB81106		The amount of glass fiber in plastic material is increased and protect rubber is removed.	
141	CE RB81069 USA RB81068			141	CE RB81105 USA RB81107		The amount of glass fiber in plastic material is increased and protect rubber is removed.	
151	RB81032			151	RB70354			
152	RB81033			152	RB11882			

< Different parts between RB650A and RB655 (3/4)

RB650A				RB655			
ITEM	Part #	Picture	ITEM No.	Part #	Picture	Note	
Fan Unit	170 RB81031		170	RB70339		Connector on Fan Unit is directly connected to the PC board. (Without connection cable)	
Fan Protector			179	RB11886		Same as the sponge part of RB650A, these two parts protect Fan unit.	
Filter Cover			180	RB11883		This part holds Filter A and Filter B in place.	
Filter A (wire mesh)	171 RB11002		171	RB11884			
Filter B (Sponge)			172	RB11885		To prevent dust from getting inside this sponge was added.	

< Different parts between RB650A and RB655 (4/4)

RB650A				RB655					
ITEM	Part #	Picture		ITEM	Part #	Picture			Note
Motor Housing Assy									
Twist Guide Cover L	75 RB70178			75	RB70369				To improve wire pulling action, the shape of the Twist Guide Cover L and R were changed.
Twist Guide Cover R	81 RB70179			81	RB70370				
Connection of the motor rotation sensor and fan unit to PC board		/				 Connector for motor rotation sensor	 Connector to Fan		
Placement of red wire harness of Main Switch		/							Wire harness on Main Switch is placed on the groove of Motor housing.