

# TECHNICAL INFORMATION



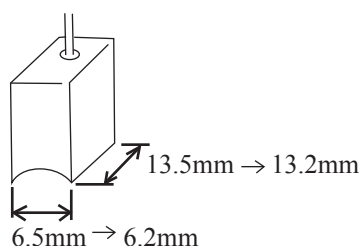
92823  
July 2011

**Subject** ▶ Change of Carbon brush

**For Models** ▶ HR4501C, HR4510C, HR4511C, HR5201C, HR5210C, HR5211C, HM1101C, HM1111C, HM1203C, HM1213C, HM1214C, HM1307C, HM1307CB, HM1317C, HM1317CB

**Country** ▶ All countries

**Description** ▶ Size of Carbon brush has become short by 0.3mm as drawn below.  
**Note:** Do not use CB-171 for repair of HR4501C, HR4510C, HR4511C, HM1203C, HM1213C.



## Interchangeability(I/C)

Item No.	Current part		Q'ty	I/C	New part		Q'ty	Note
HR4501C: 135 HR4510C: 135 HR4511C: 135	Carbon brush CB-171 ----- 194412-8		1	←	Carbon brush CB-175 ----- 195844-2		1	HR4501C, HR4510C, HR4511C, HM1203C, HM1213C Country of origin
HR5201C: 135 HR5210C: 135 HR5211C: 135 HM1101C: 085 HM1111C: 085 HM1203C: 085 HM1213C: 085 HM1214C: 097 HM1307C: 097	Carbon brush CB-171 ----- 194412-8		1	Yes	Carbon brush CB-175 ----- 195844-2		1	HR5201C, HR5210C, HR5211C, HM1101C, HM1111C, HM1214C, HM1307C, HM1307CB, HM1317C, HM1317CB is not shown on the package.
HM1307CB: 097 HM1317C: 097 HM1317CB: 097	Carbon brush CB-171 ----- 194990-8		1	←	Carbon brush CB-175 ----- 195845-0		1	HR4501C, HR4510C, HR4511C, HM1203C, HM1213C Country of origin
	Carbon brush CB-171 ----- 194990-8		1	Yes	Carbon brush CB-175 ----- 195845-0		1	HR5201C, HR5210C, HR5211C, HM1101C, HM1111C, HM1214C, HM1307C, HM1307CB, HM1317C, HM1317CB is shown on the package.

### Interchangeability mark:

The arrow ← means that the new part can be substituted for the current.

## Implementation

HR4501C, HR4510C, HR4511C, HM1203C, HM1213C, From July 2011 MJ and MME production  
HR5201C, HR5210C, HR5211C, HM1101C, HM1111C,  
HM1214C, HM1307C, HM1307CB, HM1317C, HM1317CB : After the current parts are cleared around July 2011