



HR1610, 1611, 1613

HR1616

HR1614, 1615, 1617

HR1610/00-01
HR1611/00-01
HR1613/00-03
HR1614/00
HR1615/00-01
HR1616/00-01
HR1617/00-03

Philips Consumer Lifestyle

Version: A

Service Manual

PRODUCT INFORMATION

- This product meets the requirements regarding interference suppression on radio and TV.
- After the product has been repaired, it should function properly and has to meet the safety requirements as officially laid down at this moment.

DISASSEMBLY- AND RE-ASSEMBLY ADVICE

- No specific issues

OPTIONAL (accessories)

- No specific issues

TECHNICAL INFORMATION

High voltage:

- Voltage : 220 - 240 V
- Frequency : 50 - 60 Hz
- Power : 650 W
- Temperature protection : TCO

Vario Speed:

Motor Speeds:

- Turbo : 16000 rpm $\pm$ 1600 rpm
- Speed - min : 8000 rpm $\pm$ 800 rpm
- Speed - max : 14400 rpm $\pm$ 1400 rpm

Cord:

Plug:

- Type : H03VVH2-F2 x 0,75 - white
- Cable end : free end twisted and soldered
- Free Length : 1,2 m

Dimensions : Powerunit (Incl. bar)

- Length : 80 mm
- Width : 65 mm
- Height : 390 mm

- Weight : 645 g (Powerunit + cordset)
- : 825 g (Powerunit + bar + cordset)

HRI610/00-01
HRI611/00-01
HRI613/00-03
HRI614/00
HRI615/00-01
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HRI617/00-03

Materials and additional technical informations:

- Housing : PP & SEBS
- Chopper Interface : POM + GF
- Chopper Beaker : SAN
- Protection cap : TPE
- Beaker : SAN
- Oval beaker : SAN
- Lids : LDPE
- Whisk unit : PP/stainless steel
- Plastik bar : PP

Potatoe masher:

Materials:

- Coupling : PP
- Bar : PP
- Paddle : PP + glass fibre 30 %

Dimensions:

- Height : 235 mm
- Diameter : 100 mm
- Weight : 220 g

Metal bar:

- length : 207 mm
- diameter barcage : 63 mm
- weight : approx. 170 g

Plastic bar:

- length : 193 mm
- diameter barcage : 65 mm
- weight : approx. 117 g

XL Chopper (750ml):

- Pull out force of coupling spring : min. 150 N
- Gear ratio : 1:4
- Speed (with "Turbo" button) : 4000 rpm $\pm$ 400 rpm
- Sound power level : <85 dB(A)

Mini Chopper (400ml):

- Pull out force of coupling spring : min. 150 N
- Gear ratio : 1:4
- Speed (with "Turbo" button) : 4000 rpm $\pm$ 400 rpm
- Sound power level : <85 dB(A)
- Power consumption (No load) : max. 40 W

Whisk Accessory:

- Gear ratio : 1:13,5
- Speed (with "Turbo" button) : 1200 rpm $\pm$ 120 rpm
- Sound power level : <85 dB(A)
- Force to attach the shaft in the gear box : 23,5 N $\pm$ 4,5 N
- Force to detach the shaft out of the gear box : 23,5 N $\pm$ 4,5 N
- Power consumption (No load) : max. 30 W

Motor:

- DC HV/LV motor from Johnson
- Type : DC751(2)XLLG

Volumes:

- Beaker : 1000 ml
- Oval beaker : 1700 ml

PARTS LIST

HR1610/00-01
HR1611/00-01
HR1613/00-03
HR1614/00
HR1615/00-01
HR1616/00-01
HR1617/00-03

Pos	Service code	Description	HR 1610	HR 1611	HR 1613	HR 1614	HR 1615	HR 1616	HR 1617
1	4203 035 95121	Blender bar plastic	X	X	X				
2	4203 035 95131	Blender bar metal				X	X	X	X
3	4203 035 95141	Protecting cap for plastic bar	X	X	X				
4	4203 035 95151	Protecting cap for metal bar				X	X	X	X
5	4203 035 95161	Whisk coupling unit			X			X	X
6	4203 035 95171	Whisk			X			X	X
7	4203 035 95181	Round beaker + lid	X	X		X	X	X	
8	4203 035 95191	Oval beaker + lid			X				X
9	4203 035 95201	XL Chopper lid							X
10	4203 035 95211	XL Chopper blade unit							X
11	4203 035 95221	XL Chopper bowl							X
12	4203 035 95231	Mini Chopper lid		X	X		X		
13	4203 035 95241	Mini Chopper blade unit		X	X		X		
14	4203 035 95251	Mini Chopper bowl		X	X		X		
15	4203 035 98321	Potatoe masher complete						X	
16	4203 035 98331	Potato masher Coupling Unit						X	
17	4203 035 98341	Potato masher Bar						X	
18	4203 035 98351	Potato masher paddle						X	

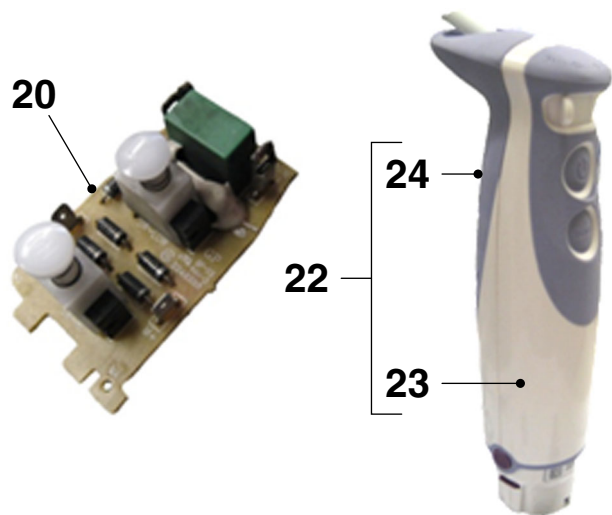
EXPLODED VIEW

HRI610/00-01
HRI611/00-01
HRI613/00-03
HRI614/00
HRI615/00-01
HRI616/00-01
HRI617/00-03



PARTS LIST for repair

HRI610/00-01
HRI611/00-01
HRI613/00-03
HRI614/00
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HRI617/00-03



Pos	Service code	Description	Remark
20	4203 035 95261	PCB Assy + Switch activation knobs + Spring High voltage *	Use till production week 1237
	4203 036 00151	PCB Assy + Switch activation knobs + Spring High voltage *	Used from product. week 1238 onwards
21	4203 035 95271	Screw caps (2x) - not shown	
22	4203 035 95281	Power Unit Assy including Cordset High voltage *	Use till production week 1237
	4203 036 00161	Power Unit Assy including Cordset High voltage *	Used from product. week 1238 onwards
	4203 035 95291	Power Unit Assy including Cordset China	Use till production week 1237
	4203 035 95301	Power Unit Assy including Cordset Korea	Use till production week 1237
	4203 036 00171	Power Unit Assy including Cordset Korea	Used from product. week 1238 onwards
23	4203 035 95311	Housing	
24	4203 035 95321	Bottom + Terminals + Cordset High voltage *	
	4203 035 95331	Bottom + Terminals + Cordset China	
	4203 035 95341	Bottom + Terminals + Cordset Korea	

* Can be sold to all countries, except China, Caribbean, Brazil & Taiwan

REPAIR INSTRUCTION



**Remove the 2 screw caps
with a small knife
and open the screws**

