

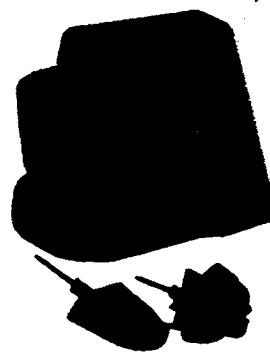
2 8787 - Krossba
 2 2989 - Mixer
 2 2988 - Frevord nulyu na nuso
 2992 - Frevord na nulyu

Motor unit

HR 2986/A
 HR 2986/B

2695

Service
 Service
 Service



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Service Manual 4822 729 20099
 is herewith cancelled.

Small Domestic Appliances Division

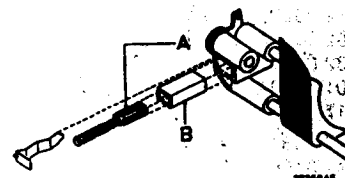
Service Manual

This unit forms part of a kitchen-machine.

PRODUCT INFORMATION

Colour of appliances	: /A version beige : /B version white
Dimensions drive unit	: 36 x 24 x 22 cm
Motor	: Series wound Statically and dynamically balanced Self-lubricated
Power	: 275 Watt
Voltage	: 220 V - 50/60 Hz
Cord length	: 1.8 m
Unloaded speeds with selector switch in position 2 (Max. speed):	
Drive coupling	: 20.000 r.p.m.
Aux. drive spindle	: 950 r.p.m.

- Coupling (item 4) has left-hand thread.
- Terminal for the stator coils are moulded-in in plastic material. Therefore quick soldering is required by using a hot soldering iron.
- Grease sparsely the journals and spaces between the teeth of all gearwheels with graphite grease code no. 4822 390 20004.
- The motor cannot operate properly when, owing to pollution, carbon brush (A) is unable to move freely in guide bush (B) and consequently cannot be pressed against the commutator. For this reason guide bush (B) will be supplied with each carbon brush (A), code no. 4822 362 40118.

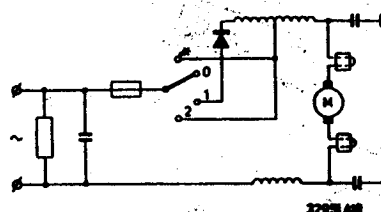


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- If a rotor (item 15) has been replaced, the motor must run-in during 4 minutes.

SERVICE INFORMATION

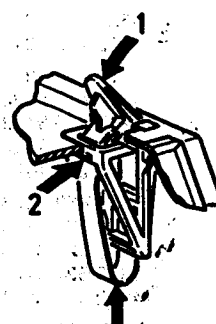
- An incorporated anti-surge glass-fuse of 1.6 Amps delayed (item 23) protects the motor from damage if the appliance is blocked in switch position 2 and *.



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- To remove selector switch knob (item 26), place knob in position 1 or 2 and pull from axle.

- To demount the hinge assy, keep down the hinge-finger (1) and lift-up the hinge-housing (2) so the hinge assy can be removed (3).



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Documentation Technique Service Dokumentation Documentazione di Servizio Huolto-Ohje Manual de Servicio Manual de Servicio



Subject to modification

4822 729 20375

Printed in The Netherlands

PHILIPS

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HR 2986/A; HR 2986/B HR 2694

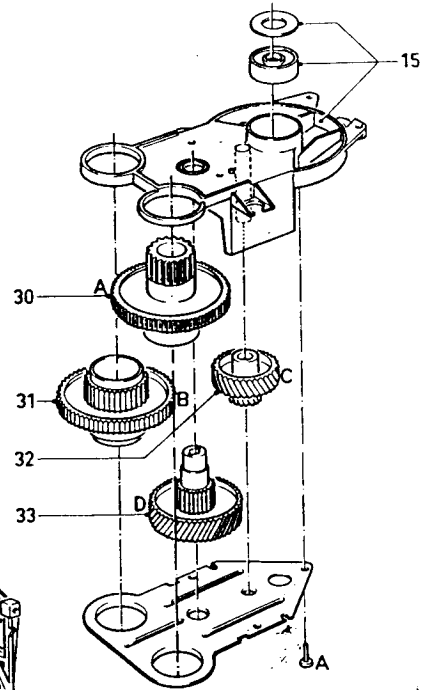
Auxiliary drive spindle (item 14) is connected to the drive gearwheel (item 33) by a bajonet catch.

- Rotor dismounting:

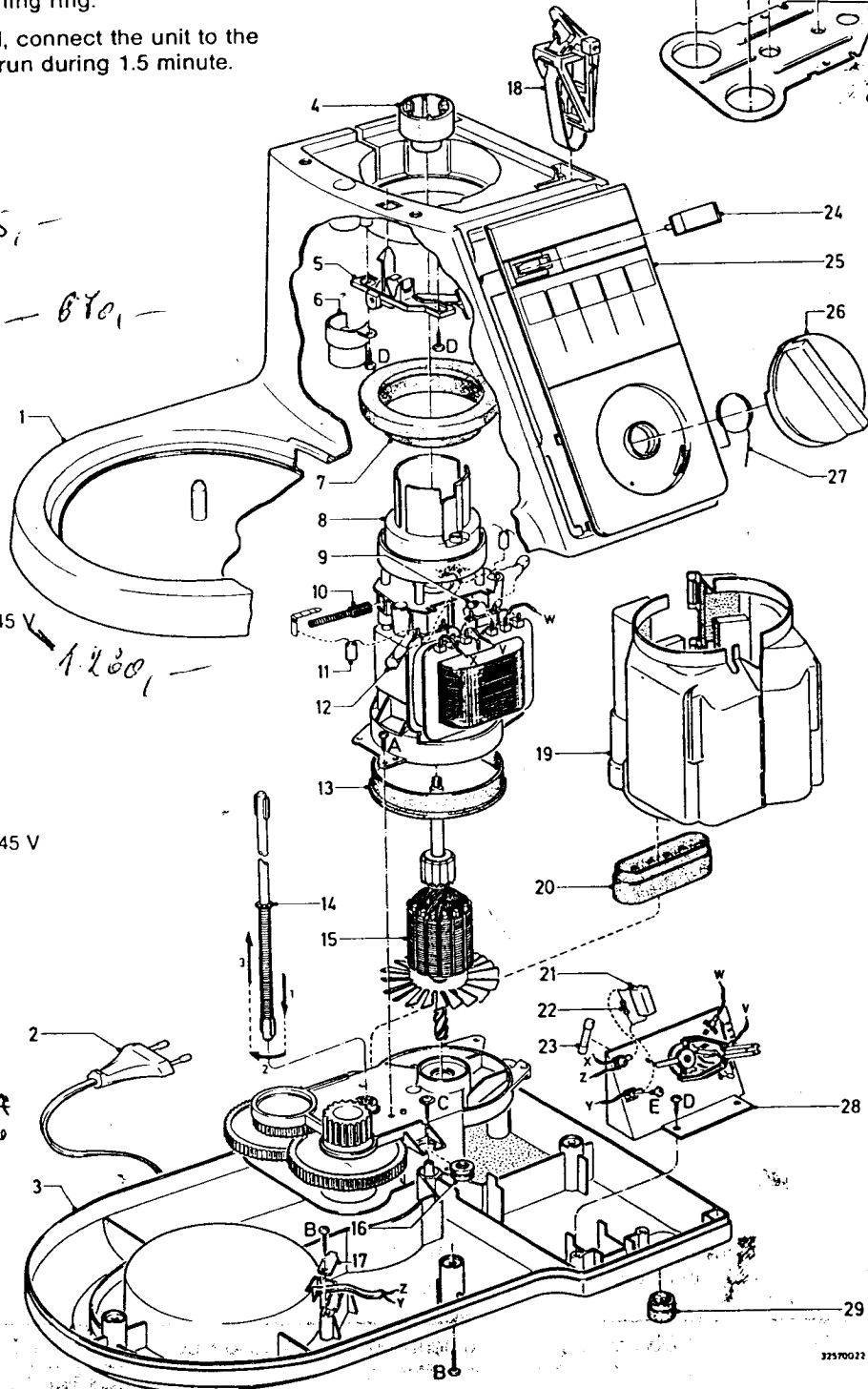
1. Dismount the drive coupling (item 4 lefthand thread).
2. Release the carbon brush spring.
The carbon brush may not press to the collector.
3. Dismount the stator (item 8) from the gearcase (item 34).
4. Dismount the rotor (item 15) from the gearcase (item 34) by a punch with a center point (3 mm).

— Rotor mounting

1. Press the rotor (item 15) into the bearing of the gearcase (item 34) without damaging the lefthand thread till the C-spring round the rotor shaft rests against the bearing retaining ring.
2. After motor is assembled, connect the unit to the mains so the motor can run during 1.5 minute.



1 4822 441 30666¹
2 4822 441 30741²
3 4822 321 10364
4 4822 441 30667¹
5 4822 441 30752²
6 4822 528 20209 - 45
7 4822 417 50178
8 4822 520 30378
9 4822 532 60914
10 4822 362 10252 - 220 V
11 4822 362 10253 - 245 V
12 4822 362 10254 - 110 V
13 4822 522 20317 - 220 V
14 4822 130 31956
15 4822 362 40118
16 4822 157 51632
17 4822 121 20217
18 4822 532 60912
19 4822 535 91663 4413
20 4822 362 20228 - 110 V
21 4822 362 20229 - 220 V
22 4822 362 20217 - 220/245 V
23 4822 532 60915
24 4822 401 10204
25 4822 417 10763¹
26 4822 417 10813²
27 4822 441 30668
28 4822 532 60913
29 4822 121 20216
30 4822 110 73183
31 4822 253 30024 - 220/245 V
32 4822 253 30027 - 110 V
33 4822 410 23276¹
34 4822 410 23923²
35 4822 452 40127¹
36 4822 452 40128²
37 4822 413 51227¹
38 4822 413 51238²
39 4822 492 41057
40 4822 277 10716
41 4822 462 40336
42 4822 522 31737 AC12
43 4822 522 31736 AC16
44 4822 522 31734
45 4822 522 31735
46 4822 502 11668
47 4822 502 30044
48 4822 502 30304
49 4822 502 30054
50 4822 502 11328
Grease 4822 390 20004



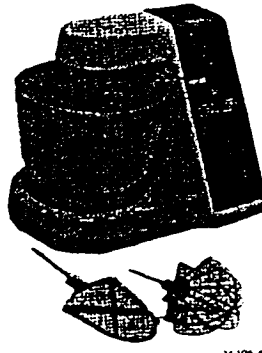
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Service
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HR 2992/A
HR 2992/B



Service Manual 4822 729 20086
is herewith cancelled.

Small Domestic Appliances Division

Service Manual

PRODUCT INFORMATION

- This attachment forms part of kitchen machine HR2686.
- Plastic parts should not be cleaned in a dishwashing machine.

Main colour appliance : beige /A version
: white /B version
Dimensions (without bowl) : 25x14x10
Bowl capacity : 4.0 l

Unloaded speeds with selector switch in position 2
(max. speed).

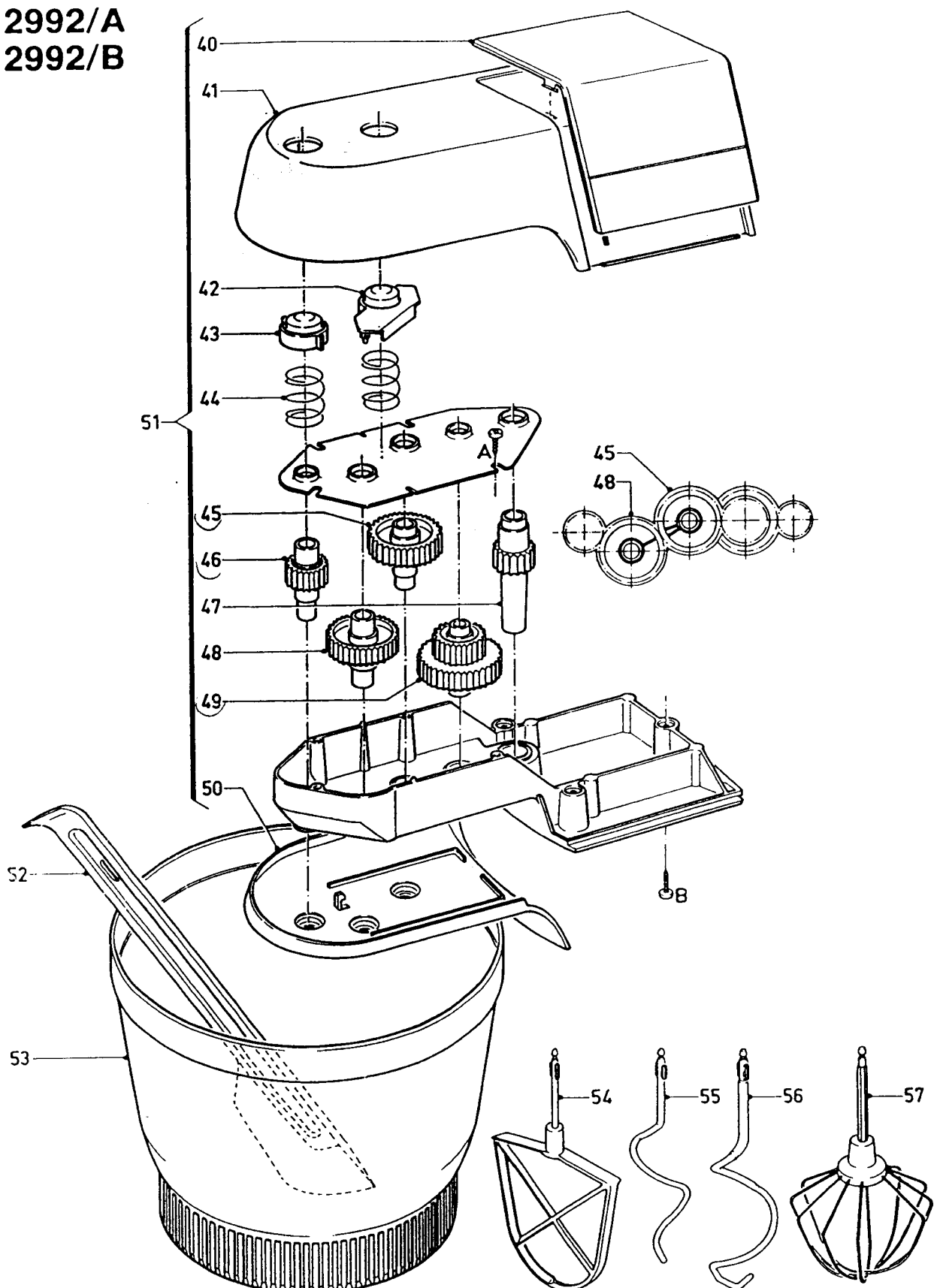
Stirrer : ± 275 r.p.m. (item 54)
Kneading hook : ± 275 r.p.m. (item 55)
Kneading hook : ± 275 r.p.m. (item 56)
Beater : ± 550 r.p.m. (item 57)

SERVICE INFORMATION

- Driven gearwheels (items 45 and 48) for fixing the kneading hooks are provided with mounting marks; and must be placed as such that one of the teeth of the gearwheel with two marks falls into the space of the gearwheel marks with one mark.
- Grease sparsely the journals and spaces between the teeth of all gearwheels with graphite grease code no 4822 390 20004.



HR 2992/A
HR 2992/B



40	4822 441 30656 ¹	A209 46	4822 522 31733	87,30	53	4822 418 40465 ¹	
	= 41	A211 47	4822 522 31726	93,10		4822 418 40481 ²	
41	4822 441 30659 ¹	48	4822 522 31732		54	4822 690 40155 ¹	A513 - 179,80;-
	4822 441 30742 ²	49	4822 522 31729			4822 690 40167 ²	B404 - 259,60;-
42	4822 466 91453 ¹	50	4822 441 30661 ¹		55	4822 690 40154	
	4822 466 91556 ²		4822 441 30743 ²		56	4822 690 40153	
43	4822 466 91454 ¹	* 51	4822 522 20316 ¹		57	4822 690 40152 ¹	
	4822 466 91557 ²	51	4822 522 20316 ²		A110	4822 690 40165 ²	681;-
44	4822 492 51195	52	4822 690 40149 ¹		A	4822 502 30044	Grease 4822 390 20004
45	4822 522 31731		4822 690 40162 ²		B	4822 502 30076	¹ /A version ² /B version

* 7822 522 20346