

Service
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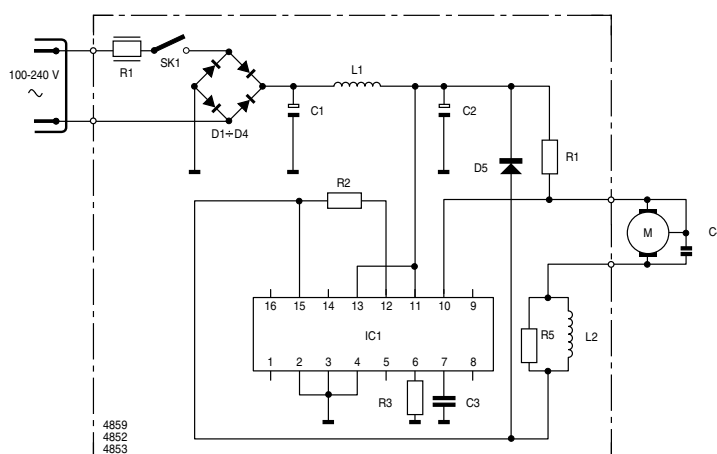


Domestic Appliances and Personal Care

Service Manual

HINTS FOR REPAIRS

- Remove the shaving unit, to prevent damages during repairs.
- Remove screws A1 (2x, of which 1 is under trimmer slide).
- Remove the covers (item 19 and item 18) from the shaver.
- To remove the trimmer, first disassemble the trimmer slide by pushing down the locking pegs (2x "X" in exploded view) and move the slide slightly outwards.
- Make room between trimmer and cover with a small screwdriver ("Y" in exploded view).
- Remove screws B1 (2x) and holder (item 17).
- The PC-board with motor and hairchamber can now be removed from the housing.
- Detach the motor clamping springs (item 13) on the bearing block with a small screwdriver.



GENERAL

The functions of the SMPS-unit (Switched Mode Power Supply) are the following:

- Changes the connected mains voltage into a DC voltage for the supply of the motor through a switching transistor (incorporated in IC1).
- Controls the average supply voltage of the motor so that the rpm remains constant with a heavier load (e.g. due to heavy beard or polluted shaving heads.)
- When the motor is blocked, it limits the current flowing through the motor.
- Prevents the SMPS-unit from being damaged in case of a short circuit.

TECHNICAL DATA

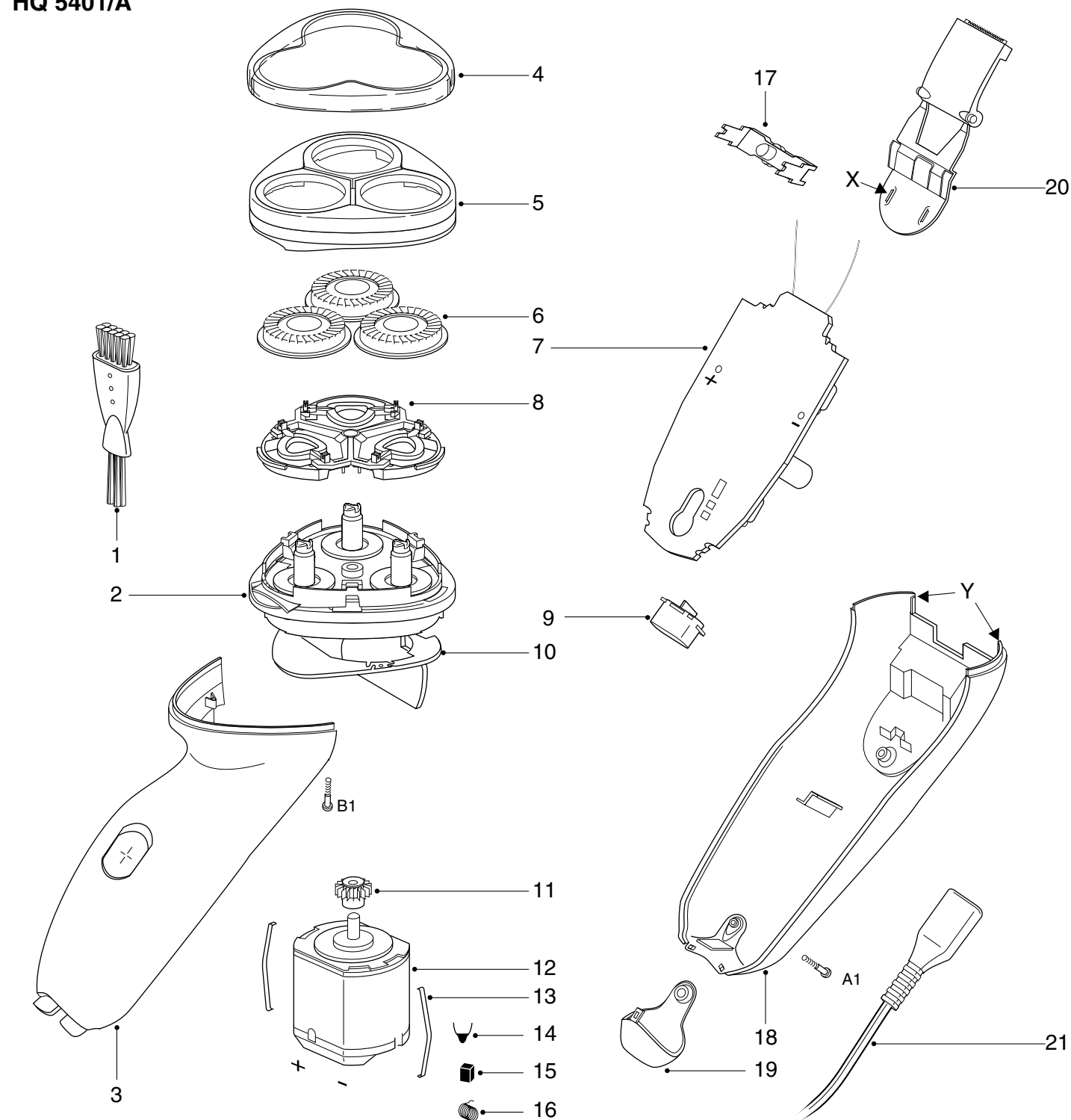
Voltage	: 100-240 V 50/60Hz
Power consumption	: Motor depending
Motor voltage	: 54 V $\approx$
Power supply	: SMPS
Shaving heads	: HQ5 - 4822 690 30481
Comfort control	: fixed setting

SAP CODING : HQ5401

CAUTION!
WHILE CHECKING THE P.C.-BOARD REMEMBER
THAT MOST COMPONENTS AND MOTOR ARE
ENERGIZED BY MAINS VOLTAGE.



PHILIPS



- 1 4822 479 30183 cleaning brush
- 2 4822 522 10512 hair chamber complete
- 3 4222 036 00050 housing PH
- 4 4822 462 11185 protecting cap
- 5 4822 441 12358 head housing

- 6 4822 690 30481 HQ5 shaving head
- 7 4822 214 11416 power supply
- 8 4822 404 40855 retaining bracket
- 9 4822 268 10348 inlet
- 10 4822 466 10937 sealing plate

- 11 4822 522 33605 pinion
- 12 4822 361 30455 motor
- 13 4822 492 71735 motor clamp
- 14 4822 122 31177 capacitor
- 15 4822 362 40181 carbon brush

- 16 4822 492 62703 contact spring
- 17 4822 256 92352 holder
- 18 4222 036 00060 cover
- 19 4822 441 11579 inlet cover
- 20 4822 690 10218 trimmer

- 21 4822 321 10095 flex EU
- 4822 321 10096 flex GB
- 4822 321 10148 flex AUS/NZ
- 4822 321 10344 flex USA/CDN
- A 4822 502 30785 orn.screw 1.8x10/T8

- B 4822 502 30526 s.t.screw 1.8x10/T8
- 4222 036 00040 pouch PH
- 4222 036 00010 DFU (1)
- 4222 036 00020 DFU (2)
- 4222 036 00030 DFU (3)

- 4222 036 01040 DFU (4)
- 4222 036 01050 DFU (5)

- (1) GB D F NL E P I TR
- (2) GB D N S FIN DK GR
- (3) GB Arab Farsi E P/BR F
- (4) GB RUS UA HR SLO CZ SK H RO
- (5) GB RUS PL EST LV LT