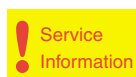


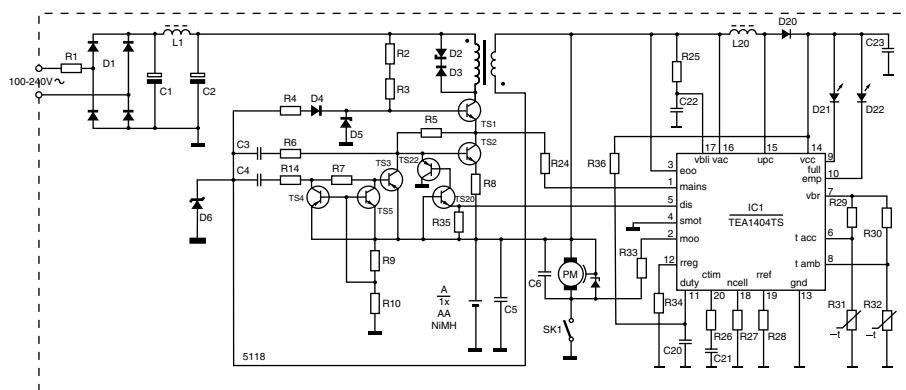
Service Service Service



Domestic Appliances and Personal Care



Service Manual



GENERAL

The HQ5816 shaver can be recharged in 1 hour by means of a 'Fly Back Self Oscillating Power supply'. This electronic circuit enables the battery to be charged at 100-240V, 50/60Hz.

It is possible to have a shave directly from the mains. The green LED comes on when the shaver is connected to the mains and will blink to indicate that the battery is fully charged.

When the battery is almost empty, the red LED starts blinking.

The electronic circuit incorporates the following functions and controls:

- a 900 mA Quick Charge supply
- a 30 mA Trickle Charge supply
- a 1.25V Dynamic supply when shaving from the mains.
- an open cell protection ($V_{bat} > 2.5V$)
- an inrush and surge protection (R1).
- a temperature protection of the battery. (if $T_{bat} - T_{amb} > 5^{\circ}C$ or if $T_{bat} > 65^{\circ}C$, charging will switch-over from quick charge to trickle charge).

TECHNICAL DATA

Input voltage : 100-240V ~
 Motor voltage : 1.2V ~
 Battery : 1x AA NiMH
 Cell capacity : approx. 1100 mAh
 Charging system : S.O.P.S.
 Charging time : approx. 60 mins
 initial 4 hours

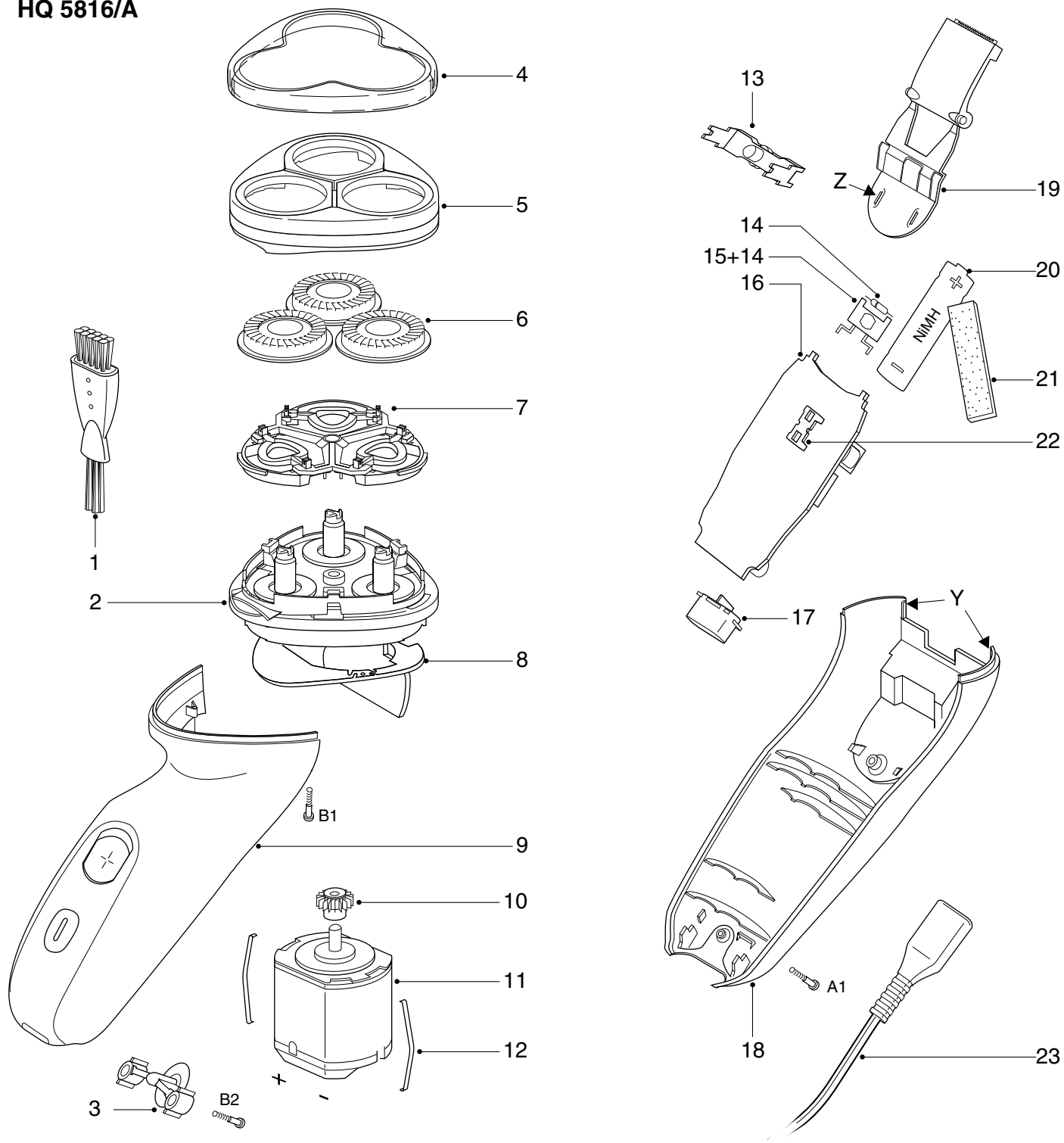
Charging current : 900/30 mA
 Charge indicator : 1x LED green
 Battery low indicator : 1x LED red
 Comfort control : fixed setting
 : contour following
 Shaving heads : HQ5 - 4822 690 30481
 Screwdriver T8 : 4822 395 50263

SAP Coding : HQ5816



PHILIPS

HQ 5816/A



- 1 4822 479 30183 cleaning brush
- 2 4822 522 10512 hair chamber complete
- 3 4822 256 92354 holder
- 4 4822 462 11185 protecting cap
- 5 4822 441 12358 head housing

- 6 4822 690 30481 HQ5 shaving head
- 7 4822 404 40855 retaining bracket
- 8 4822 466 10937 sealing plate
- 9 4222 036 00510 housing
- 10 4822 522 33605 pinion

- 11 4822 361 10959 motor
- 12 4822 492 71735 motor clamp
- 13 4822 402 11328 holder
- 14 4822 130 34167 Zener diode
- 15 4822 265 11403 motor connector

- 16 4222 036 00500 power module
- 17 4822 265 11616 inlet
- 18 4222 036 00520 cover
- 19 4822 690 10218 trimmer
- 20 4822 138 10584 NiMH battery AA

- 21 4822 466 12236 foam plate
- 22 4822 276 14108 on/off switch
- 23 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
- 4222 036 00450 DFU (1)

- 4222 036 00460 DFU (2)
- 4222 036 00470 DFU (3)
- 4222 036 00480 DFU (4)
- 4222 036 00490 DFU (5)

- (1) GB D F N L E P I T R
- (2) GB D N S F I N D K G R
- (3) GB R U S P L E S T L V L T
- (4) GB R U S U A H R S L O C Z S K H R O
- (5) J