

Service
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Philips Domestic Appliances and Personal Care

Service Manual

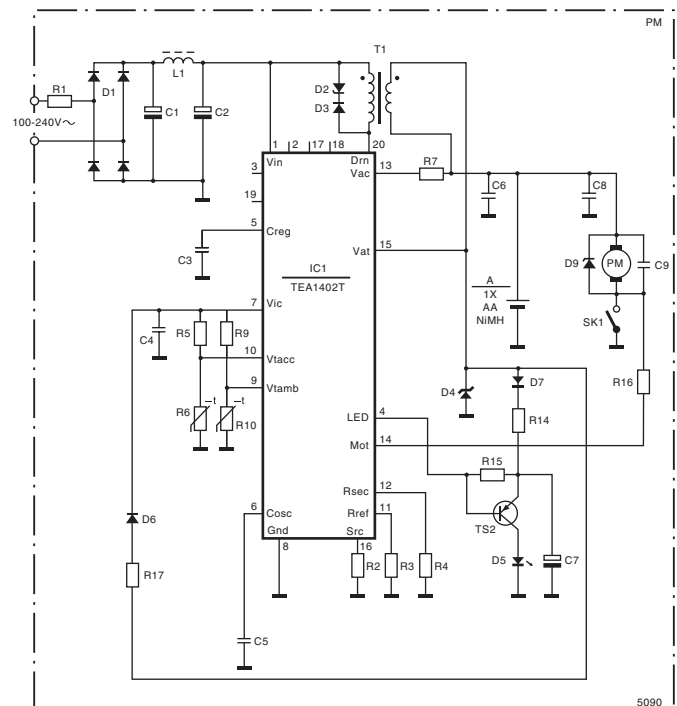
SAP coding HQ 5818

GENERAL

The HQ 5818 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.

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).

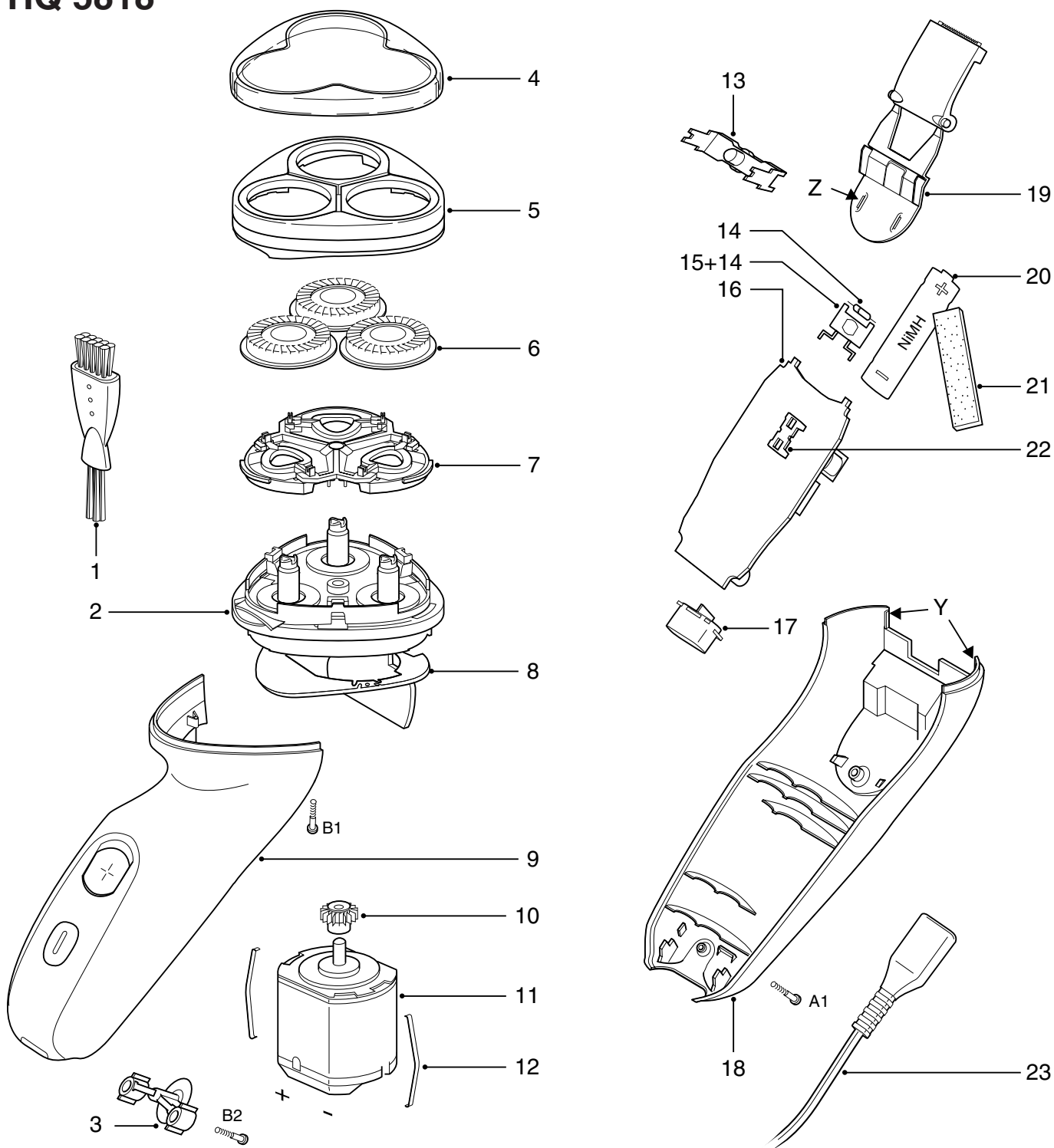


TECHNICAL DATA

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
Charging indicator	: 1x LED green
Comfort control	: fixed setting
Shaving heads	: HQ5 - 4822 690 30481
Screwdriver T8	: 4822 395 50263

HQ 5818



1	4822 479 30183	Cleaning brush	14	4822 130 34167	Zener diode BXZ79-C6V2,113
2	4822 030 48710	Hair chamber complete	15	4822 265 11403	Motor connector
3	4822 256 92354	Holder	16	4222 036 00350	Power modul
4	4822 462 11185	Protecting cap	17	4822 265 11616	Inlet
5	4822 441 12358	Head housing Nor	18	4222 036 04970	Cover Nor
	4222 036 05370	Head housing		4222 036 05390	Cover
6	4822 690 30481	HQ5 shaving head	19	4822 690 10218	Trimmer
7	4822 404 40855	Retaining bracket	20	4822 138 10584	NiMH battery AA
8	4822 466 10937	Sealing plate	21	4822 466 12236	Foam plate
9	4222 036 04960	Housing Nor	22	4822 277 21689	On/off switch
	4222 036 05380	Housing	23	4822 321 10095	Flex assy EU
10	4822 522 33605	Pinion		4822 321 10344	Flex assy USA
11	4822 361 10959	Motor	A	4822 502 30526	Screw torx-slot 1,8x10/T8
12	4822 492 71735	Motor clamp	B	4822 502 30785	Screw 1,8x10/T8
13	4822 402 11328	Holder		4222 036 00040	Pouch
				4822 600 10863	Pouch Norelco