

Service
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Philips Domestic Appliances and Personal Care

Service Manual

SAP coding HQ 4819

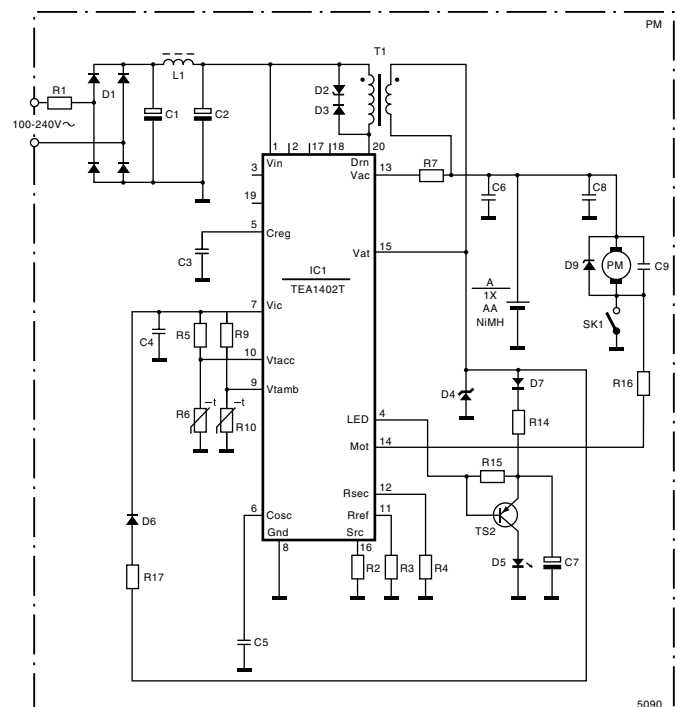
GENERAL

The HQ 4819 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 100-240 V, 50/60 Hz.

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).

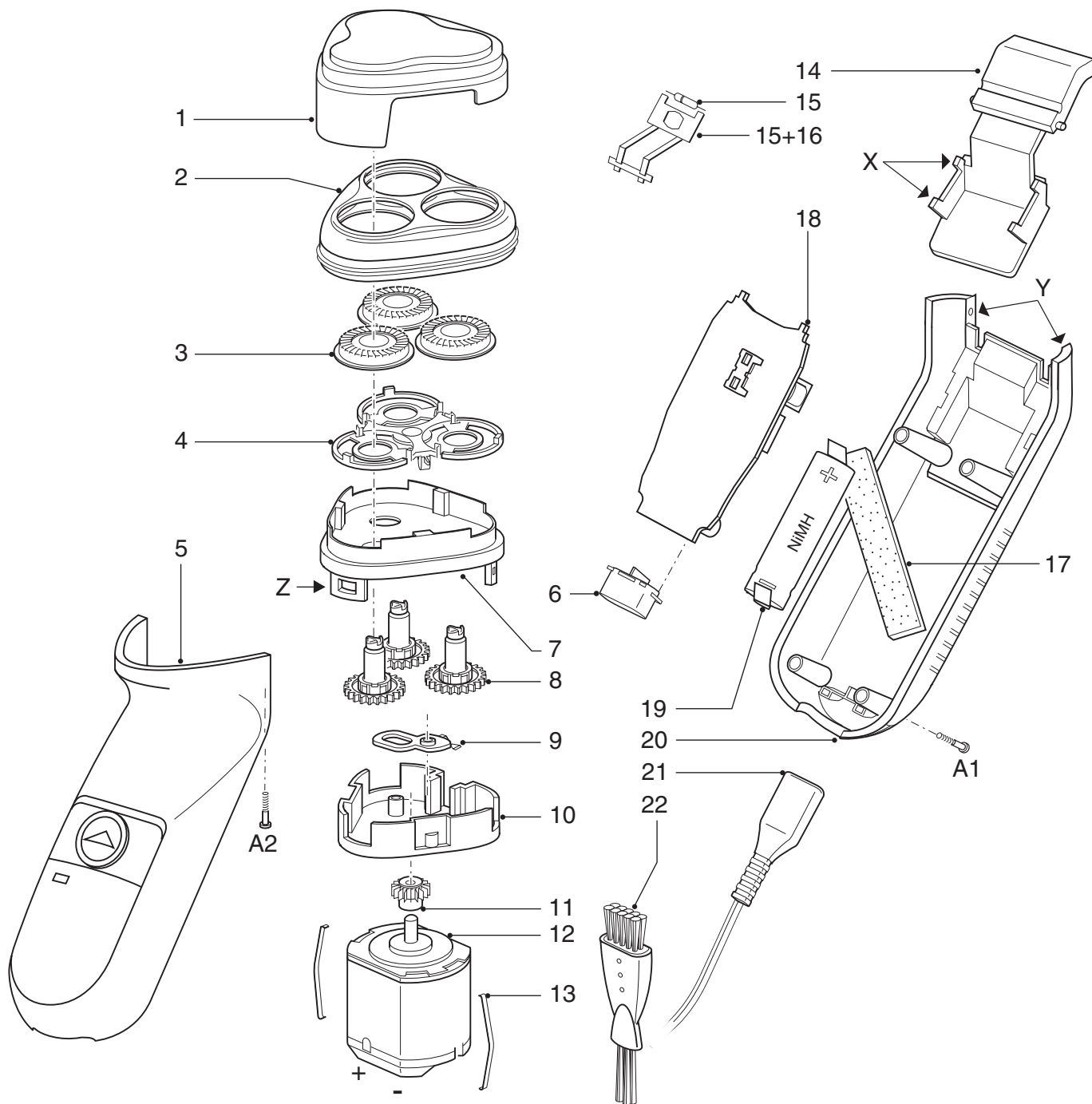


TECHNICAL DATA

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

Charging current : 900/30 mA
 Charging indicator : 1x LED green
 Comfort control : fixed setting
 Shaving heads : HQ4 - 4822 690 30468
 Screwdriver T8 : 4822 395 50263

HQ 4819



1	4822 441 11276	Protecting cap
2	4222 036 01980	Bracket
3	4822 690 30468	HQ4 shaving head
4	4822 404 40728	Holder assy
5	4222 036 05010	Housing assy
6	4822 036 02370	Inlet
7	4222 036 03620	Hairchamber
8	4822 522 32852	Gear assy
9	4822 404 40656	Lever
10	4822 441 11275	Frame
11	4822 522 32851	Pinion
12	4822 361 21752	Motor assy

13	4822 492 63165	Motor clamp
14	4822 690 10081	Trimmer assy
15	4822 130 34167	BZX69-C6V2,113 Zenerdiode
16	4222 036 02390	Connecting strip
17	4822 466 91312	Foam plate
18	4222 036 02190	Power modul
19	4822 138 10584	NiMH cell AA
20	4222 036 02570	Cover
21	4822 321 10096	Flex assy GB
	4822 321 10095	Flex assy EU
22	4822 479 30183	Cleaning brush
A	4822 502 30526	S.t. screw 1.8 x 10/T8
	4222 036 02120	Pouch