



Domestic Appliances and Personal Care

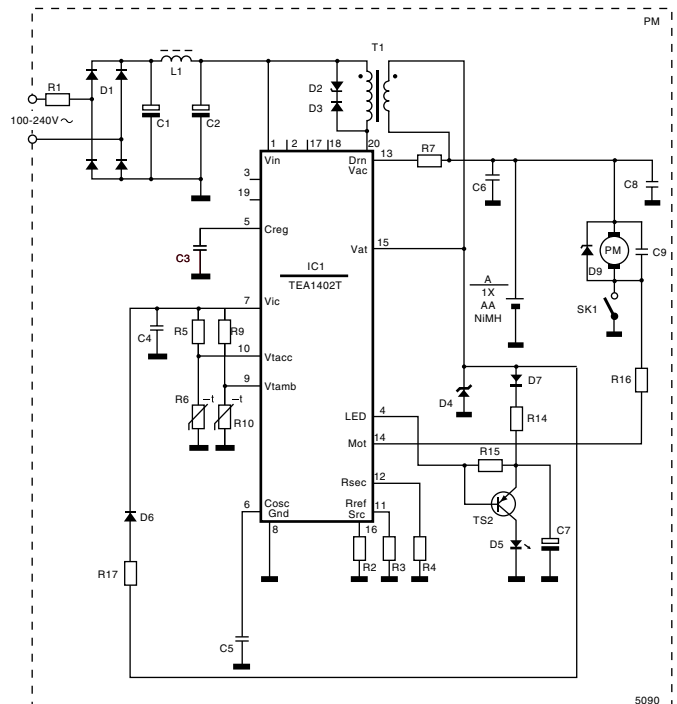
Service Manual

GENERAL

The HQ4846 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).

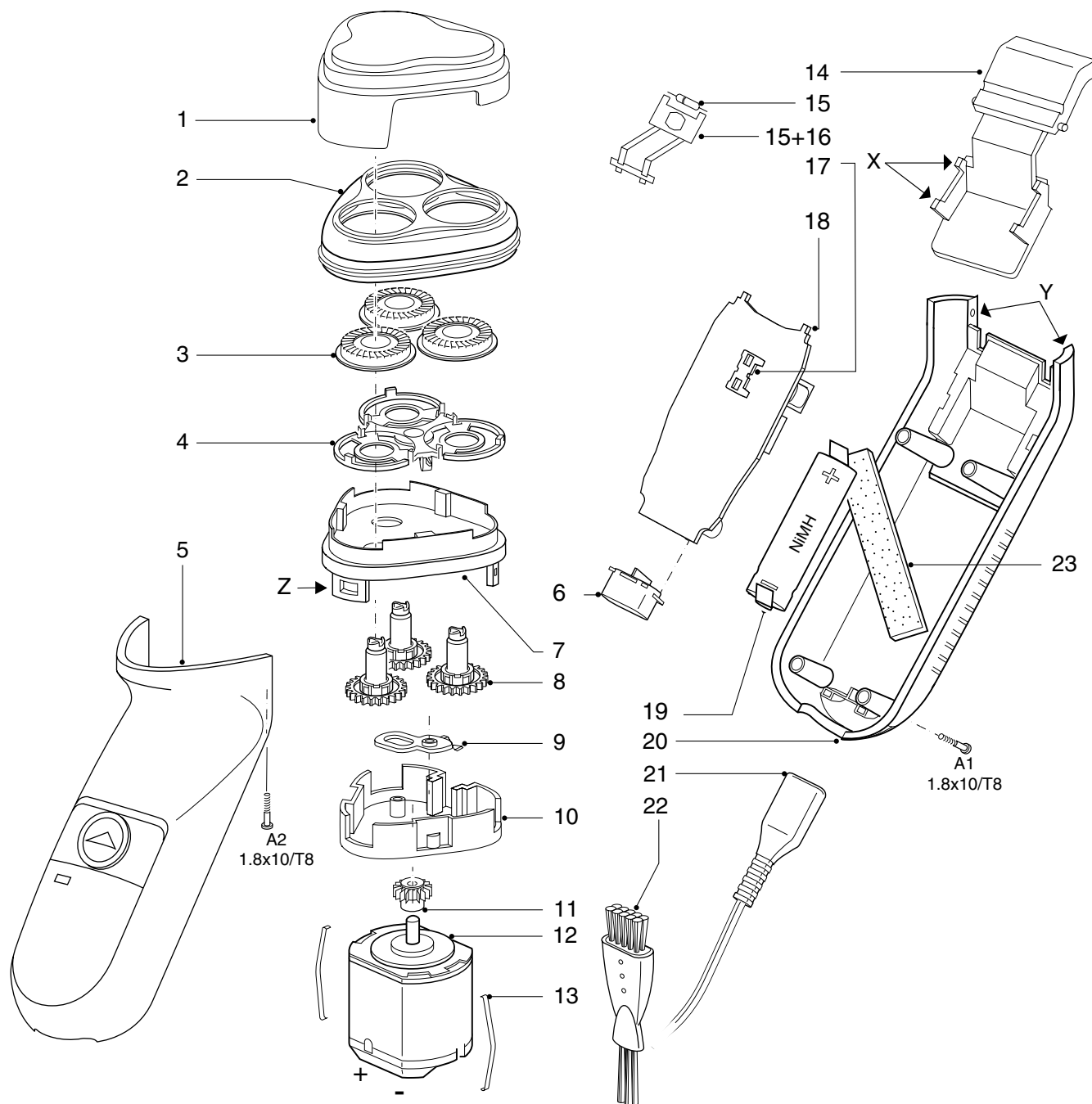


TECHNICAL DATA

Input voltage	: 100-240V ~	Comfort control	: fixed setting
Motor voltage	: 1.2V 	Shaving heads	: HQ4 - 4822 690 30468
Battery	: 1x AA NiMH	Screwdriver T8	: 4822 395 50263
Cell capacity	: approx. 1100 mAh		
Charging system	: S.O.P.S./ temp. control	SAP Coding	: HQ4846
Charging time	: approx. 60 mins initial 4 hours		
Charging current	: 900/30 mA		
Charging indicator	: 1x LED green		



HQ 4846/A



1	4822 441 11276	Protecting cap
2	4222 036 01980	Head holder
3	4822 690 30468	HQ4 shaving head
4	4822 404 40728	Retaining bracket
5	4222 036 02730	Housing
6	4222 036 02370	Inlet
7	4222 036 02920	Hairchamber
8	4822 522 32852	Gearwheel
9	4822 404 40656	Lever
10	4822 441 11275	Frame
11	4822 522 32851	Pinion
12	4822 361 21752	Motor
13	4822 492 63165	Motor clamp
14	4822 690 10081	Trimmer
15	4822 130 34167	Zener diode

16	4222 036 02390	Motor connector
17	4822 277 21689	On/off switch
18	4222 036 02560	Power module
19	4822 138 10584	NiMH cell AA
20	4222 036 02570	Cover
21	4822 321 10095	Flex EU
-	4222 036 02480	Flex ROK
22	4822 479 30183	Cleaning brush
23	4822 466 12236	Foam plate
A	4822 502 30526	S.t. screw 1.8x10/T8
	4222 036 02120	Pouch