



EN IEC 60079-1

IECEx Scheme Certification

R-30 Zone 1 Halogen Bulb Model:
Ex e Ib IIC T4 ID A21 IP67 T85C
Cert. No: IECEx BAS 05.0070

R-50 Zone 1 LED Model:
Ex Ib IIC T4 ID A21 IP67 T85C
Cert. No: IECEx BAS 06.0001

R-55 Zone 0 LED Model:
Ex Ia IIC T4 IP67
Cert. No: IECEx BAS 06.0001

IEC Standards Applied:
IEC60079-0:2000, IEC60079-0:2004,
IEC60079-1:1999, IEC60079-2:2001,
IEC61241-0:2004, IEC61241-1:2004

Ingress Protection Level:
IP67 to IEC60529:2001

Fig. 2

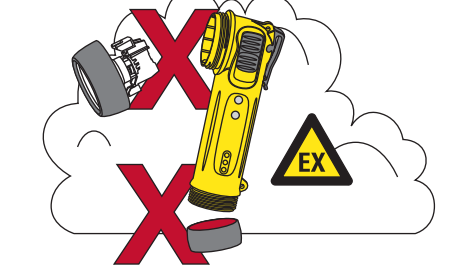


Fig. 3

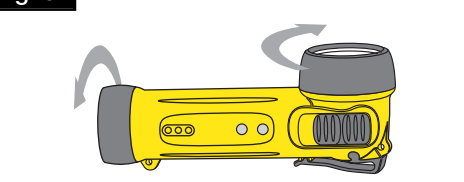


Fig. 4

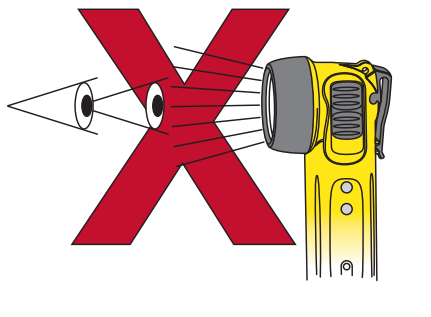
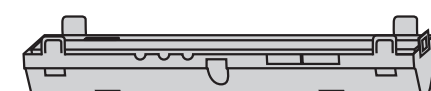


Fig. 5

R-271



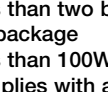
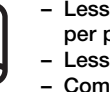

UN
ADR
US CFR 49
IATA
ICAO
IMDG



Fig. 6

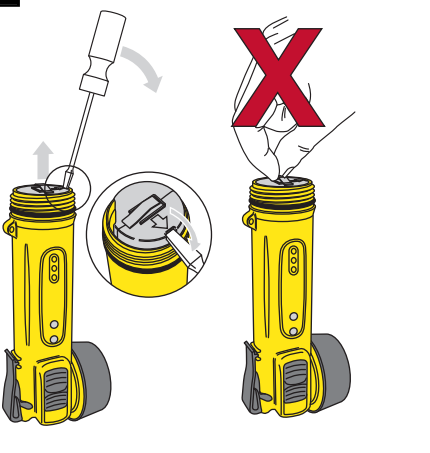


Fig. 7

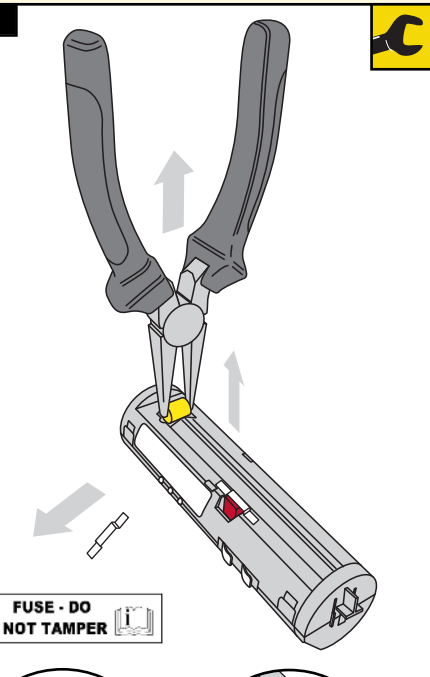


Fig. 8

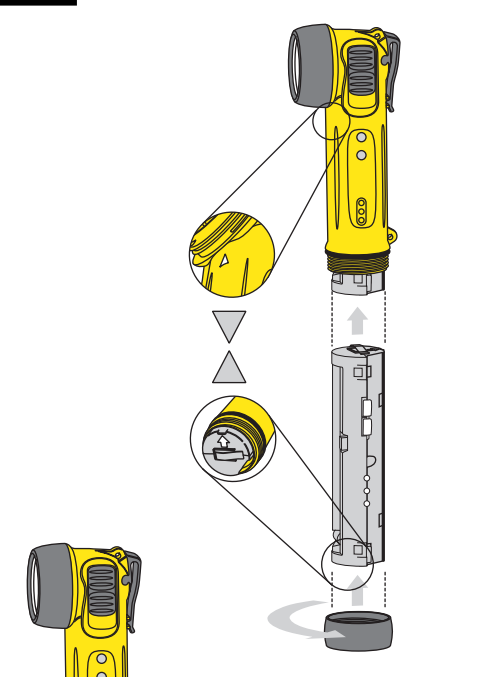


Fig. 9

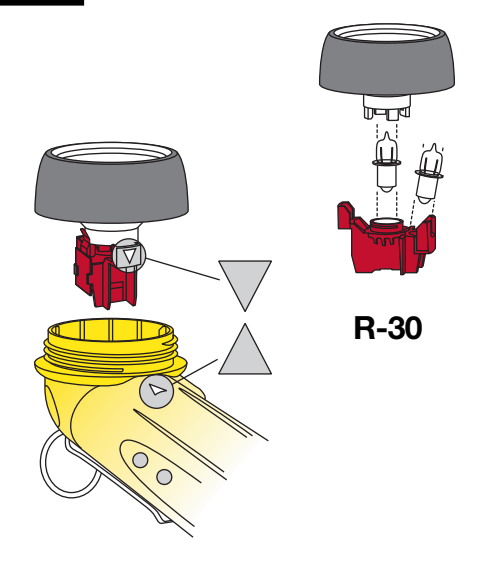


Fig. 10



Fig. 11

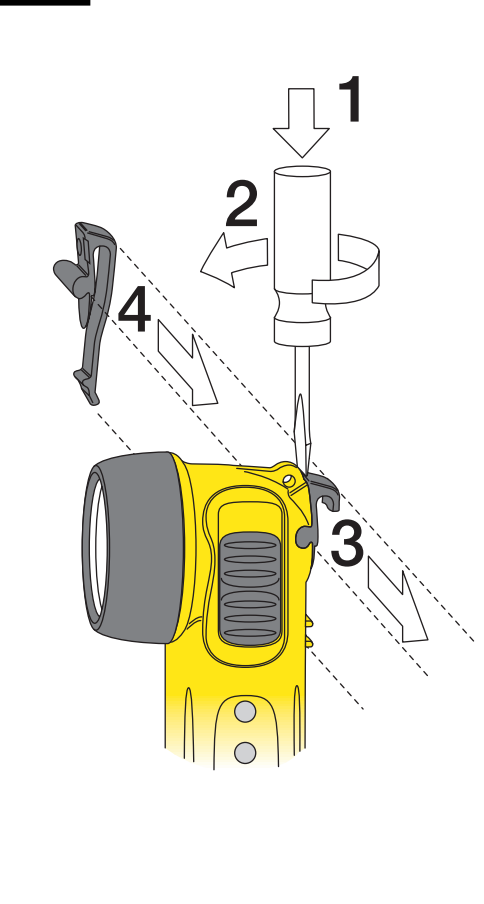


Fig. 12

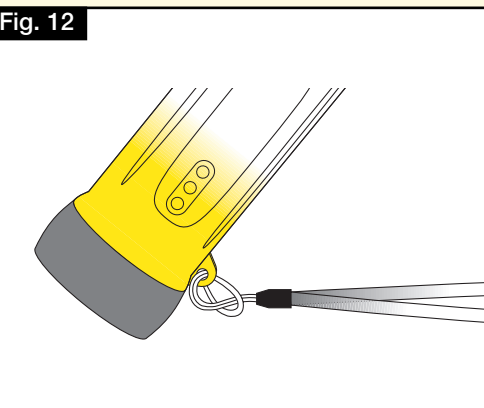


Fig. 13

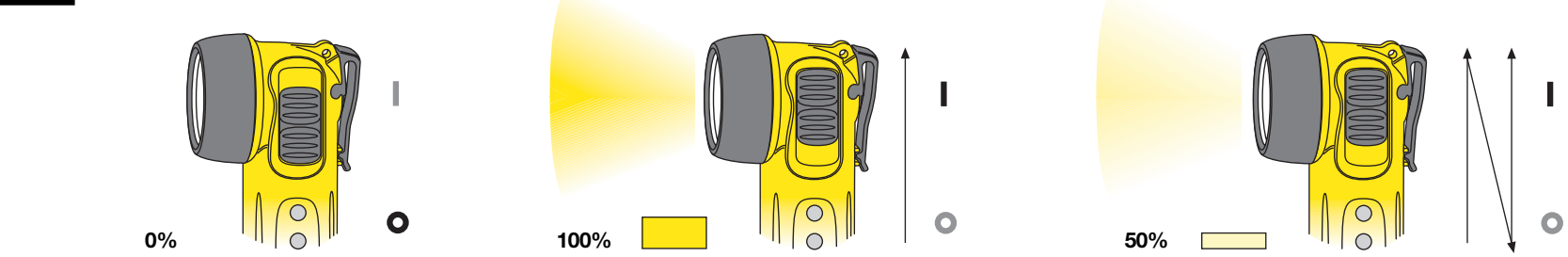


Fig. 14

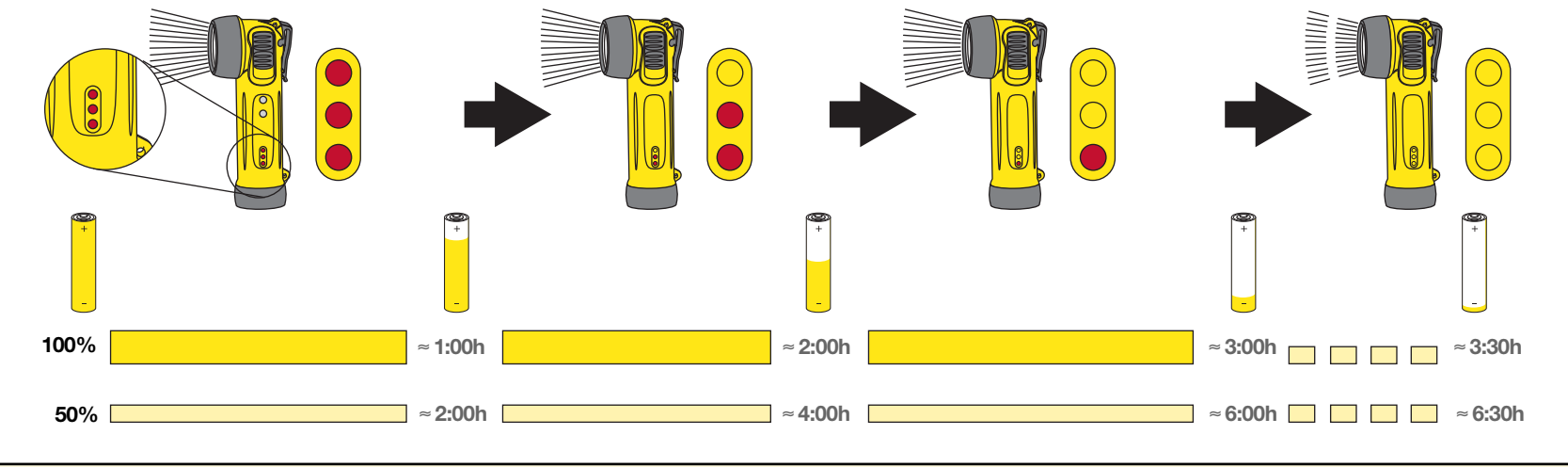


Fig. 15

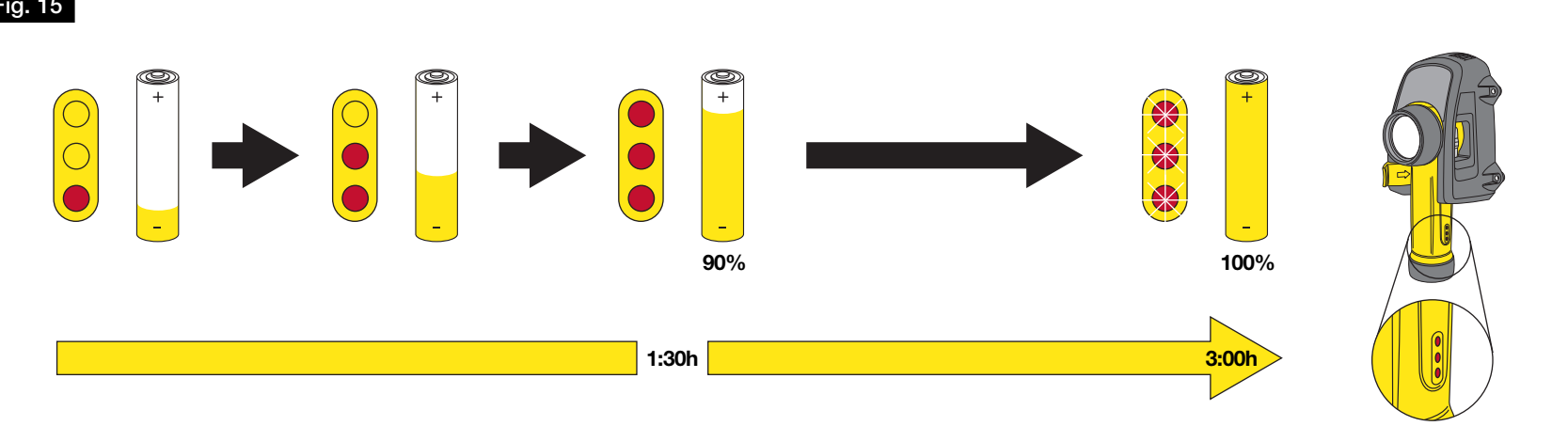


Fig. 16

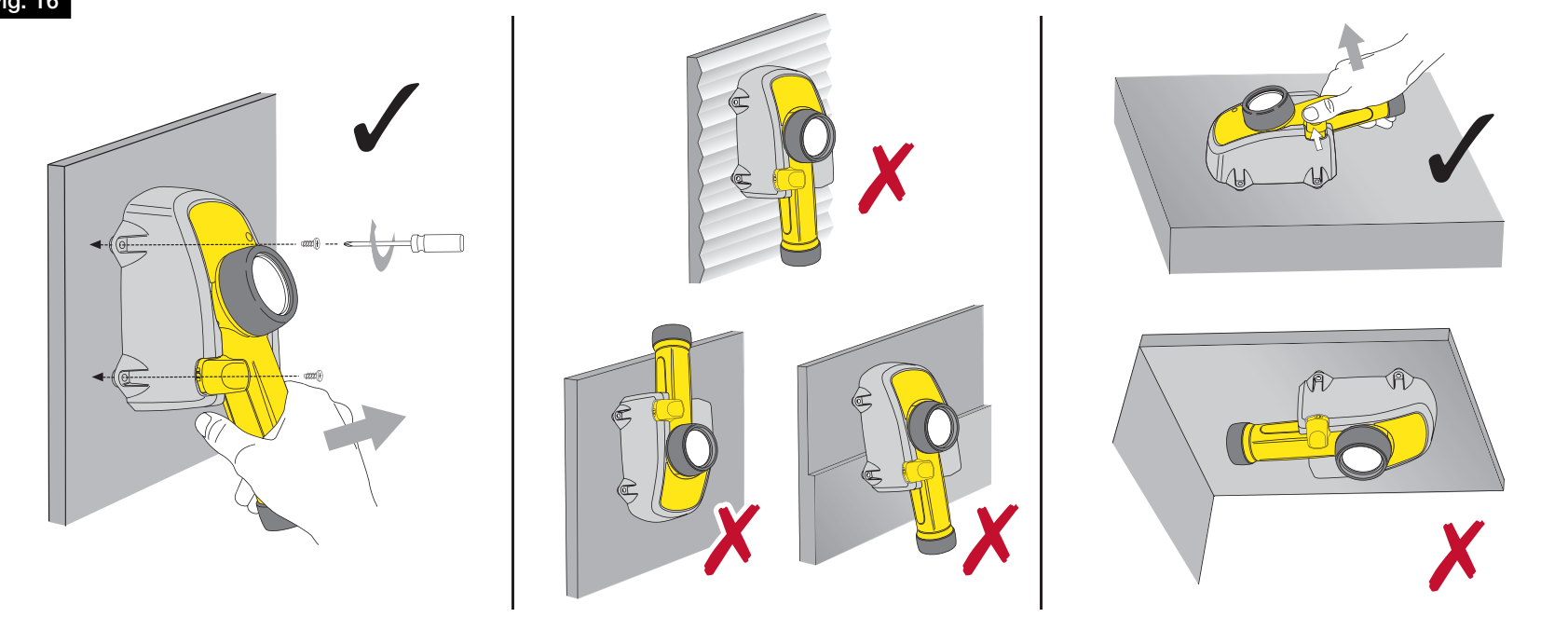
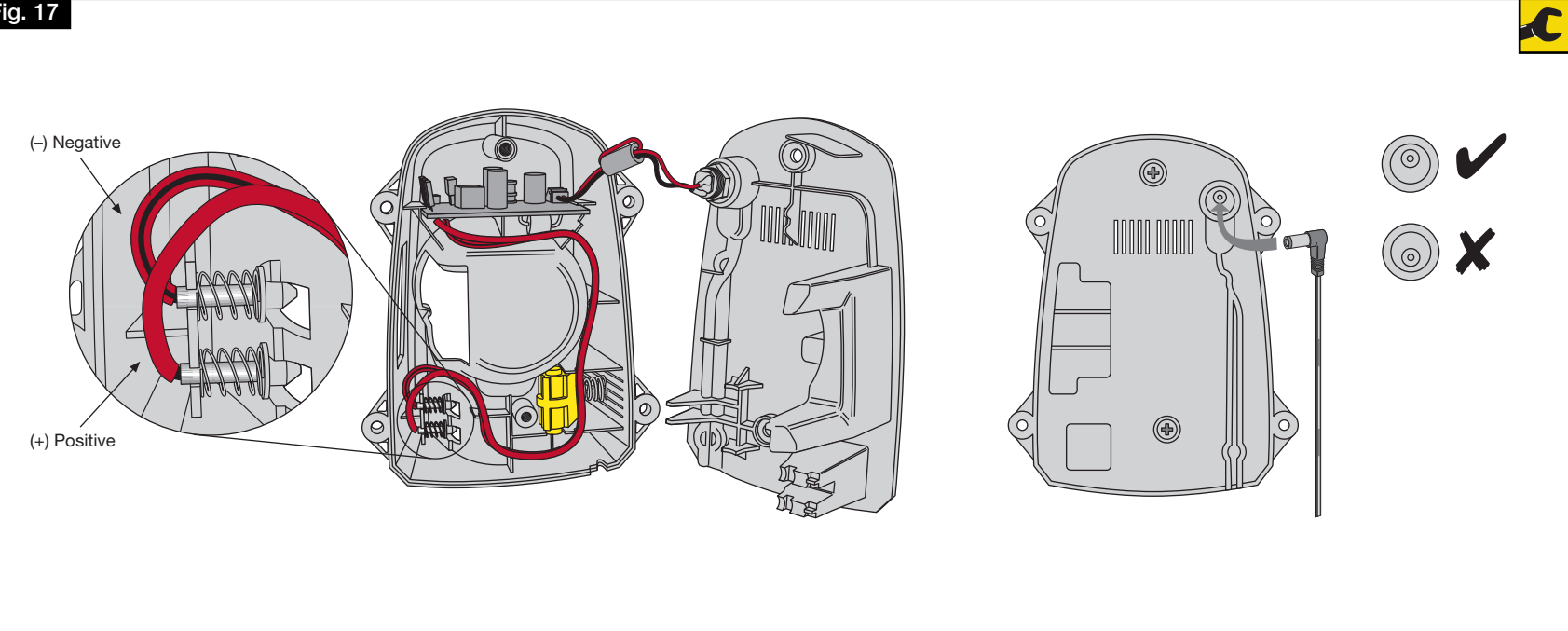
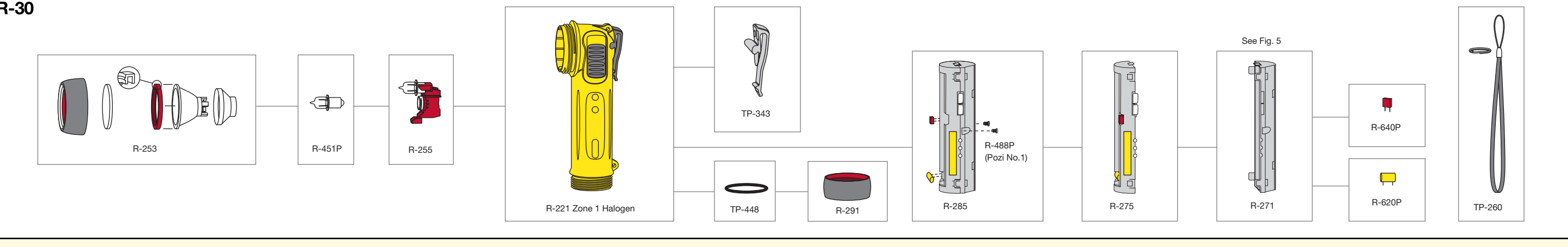


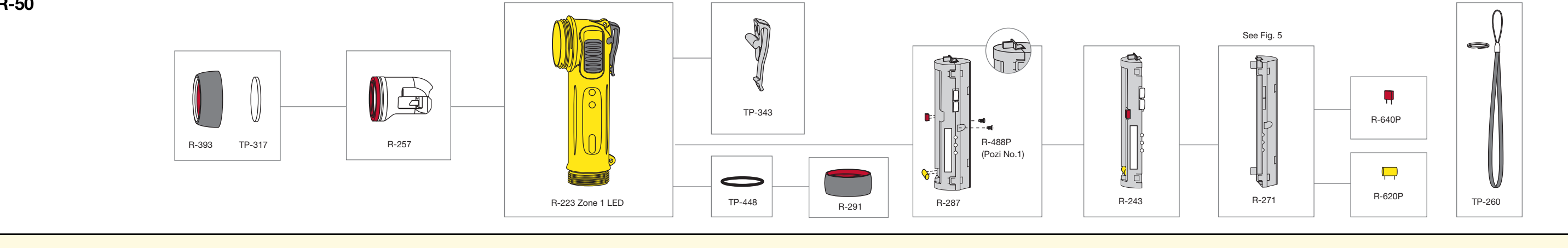
Fig. 17



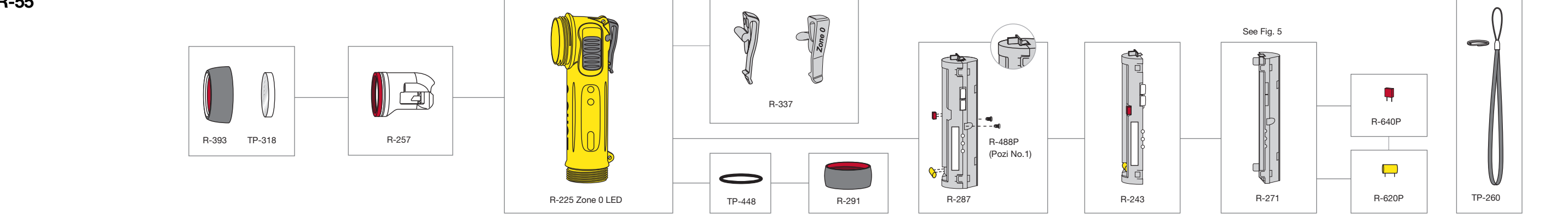
R-30



R-50



R-55



Parts List

R-30

R-253 Lens Ring Assembly
R-255 Bulbholder Assembly with Bulb
R-451P 6V 4W Halogen Bulb
R-221 R-30 Torch Body Assembly
TP-343 Clip Moulding
R-285 Cassette Assembly (Bulb)
R-275 Cassette Circuit Half (Bulb)
R-271 Battery Pack
R-488P Lock Screw Cassette (Pack of 2)
TP-448 Base 'O' Ring
R-291 End Cap Assembly

R-50

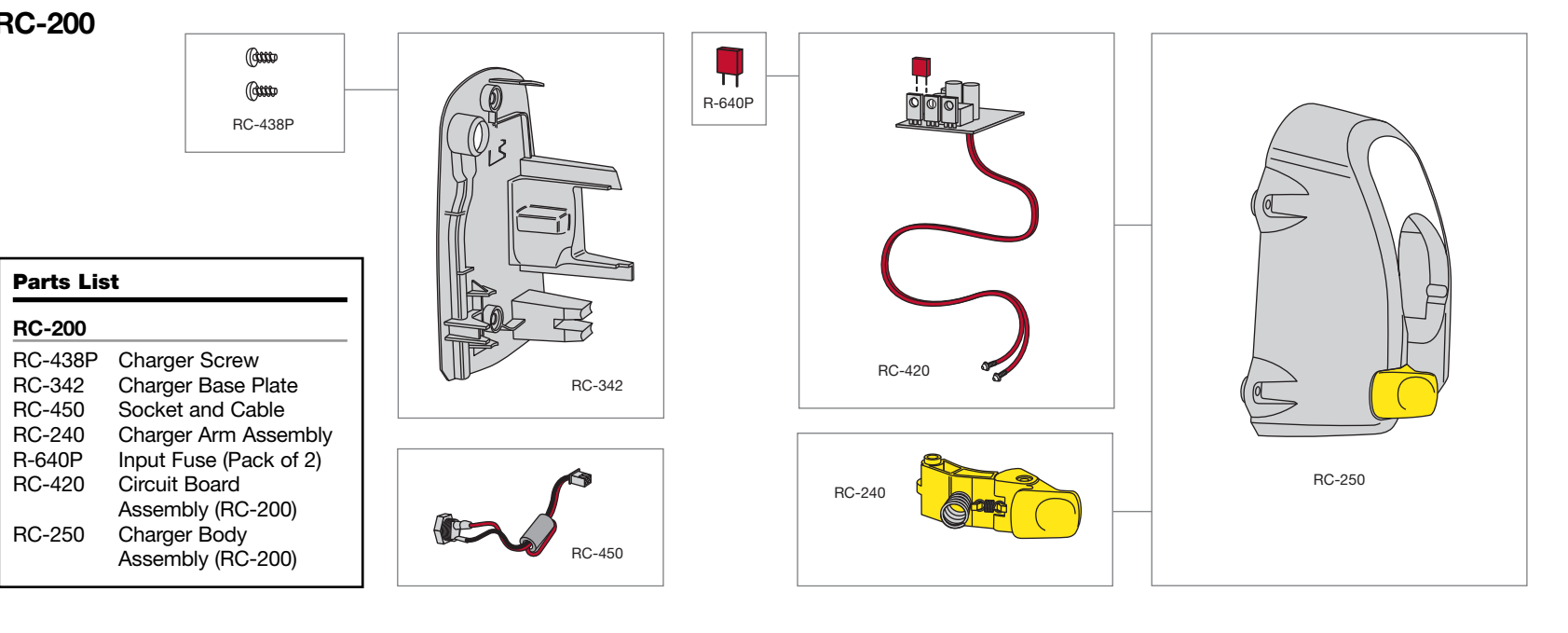
R-393 Lens Ring
TP-317 Lens
R-257 Heatsink LED Assembly
R-223 R-50 Torch Body Assembly
TP-343 Clip Moulding
R-287 Cassette Assembly (LED)
R-243 Cassette Circuit Half (LED)
R-271 Battery Pack
R-488P Lock Screw Cassette (Pack of 2)
TP-448 Base 'O' Ring
R-291 End Cap Assembly

R-55

R-393 Lens Ring
TP-318 Glass Lens
R-257 Heatsink LED Assembly
R-225 R-55 Torch Body Assembly
TP-343 Clip Moulding
R-287 Cassette Assembly (LED)
R-243 Cassette Circuit Half (LED)
R-271 Battery Pack
R-488P Lock Screw Cassette (Pack of 2)
TP-448 Base 'O' Ring
R-291 End Cap Assembly

TP-260 Wrist Strap & Ring
R-620P Output Fuse
R-640P Input Fuse (Pack of 2)

RC-200



RC-212

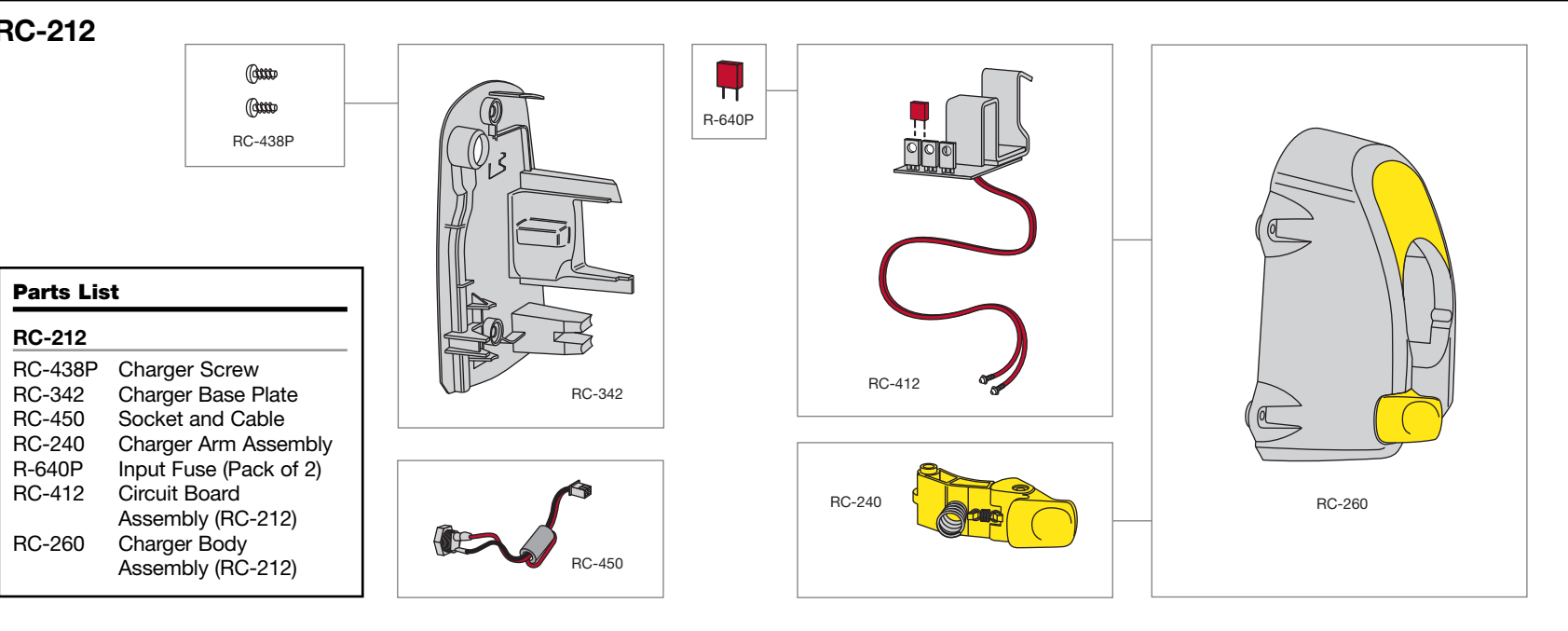
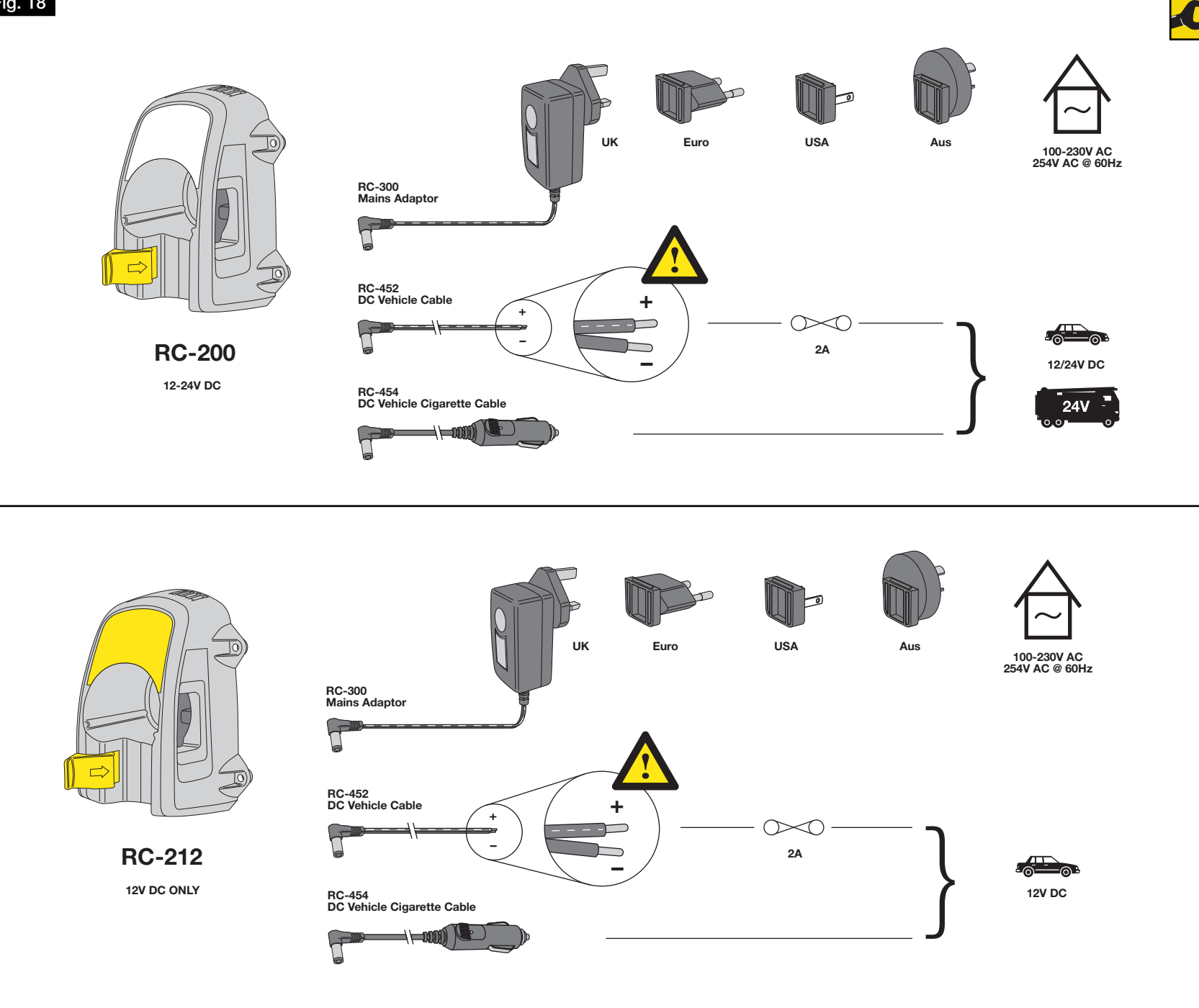


Fig. 18



GB Wolf Rechargeable Torch Range

Operation and Maintenance Instructions

please retain - read before use

EC Declaration of Conformity

The R-30, R-50 and R-55 meet all relevant provisions of the 94/9/EC Explosive Atmospheres (ATEX Equipment) Directive by virtue of the issued EC type examination certificate, demonstrating compliance with all relevant harmonised standards and essential health and safety requirements.

Wolf Rechargeable Torches are self-contained safety torches moulded in high impact plastic and powered by a Lithium Ion battery pack. The R-30 has a 6V 4W halogen bulb light source and the R-50 and R-55 have 3W LED light sources. The R-30 and R-50 are approved as Group II, Category 2 equipment for use in zone 0, 1 & 2 potentially explosive gases, vapours, mists and dusts where the T4 temperature class/85°C maximum surface temperature permits. The R-55 is approved as Group II, Category 1 equipment for use in zone 0, 1 & 2 potentially explosive gases, vapours, mists and dusts where a T4 temperature class permits.

Approval Codes/Certification:

R-30

LED

Zone 1

Halogen

EC Type examination certificate: Baseeeth05ATEX0068

R-50

LED

Zone 1

LED

EC Type examination certificate: Baseeeth05ATEX0069

R-55

LED

Zone 0

LED

EC Type examination certificate: Baseeeth05ATEX0069

Caution - Polycarbonate lens, check atmosphere in Ex area.

Notified Body: Baseefa Ltd, Rockhead Business Park, Staden Lane, Buxton, SK17 9RZ, UK

Notified body number: 1180

Harmonised standards applied: EN60079-0:2006, EN60079-2:2007, EN60079-11:2007, EN61241-0:2006, EN61241-1:2004

Ingress protection level: IP67 to EN60529:1992, Wolf Rechargeable Torches are certified compliant with the 2004/108/EC EMC Directive.

The product is CE marked showing compliance with all relevant EC Directives

Alex Jackson - Technical Director
Wolf Safety Lamp Company Ltd.

Use of the Wolf Rechargeable Torch

A damaged Wolf Rechargeable Torch should be repaired in accordance with these instructions, before being put back into service.

repairs only to be carried out by competent persons

PRECAUTIONS: See Figs. 1, 2, 3, 4, 5, 10

Before use, charge for 3 hours minimum.

Ensure torch lens ring and end cap are fully tight at all times. (Fig. 3)

Duration in High Power Mode = 3.5 hours

Duration in Low Power Mode = 6.5 Hours

Deep discharge protection: Circuitry will automatically switch the torch off once the battery reaches a pre-determined low voltage. The torch must be re-charged before further use.

Emergency lighting mode: The emergency lighting function switches the torch on when a power failure to the charger occurs. Replace the R-271 Battery when the discharge duration is significantly shorter than the durations shown above.

Recharge every six months when in storage.

Battery information: (Fig. 5), Extraction: (Fig. 6) Connections: (Fig. 8)

Wolf Chargers: RC-200 (12-24V) and RC-212 (12V) A red LED indicator shows power to the charger. Charging is fully managed to eliminate battery memory. Charge is removed once the battery is fully charged, battery voltage is then monitored; a top-up charge is applied as necessary (typically applying a trickle charge once every 7 days). Charge Indication: (Fig. 15), Charger Connection Options: (Fig. 18)

The RC-200 and RC-212 are 'CE' marked in compliance with the 2004/108/EC EMC Directive, and comply with the requirements of 2006/28/EC Automotive EMC Directive for use in emergency vehicles.

- Do not charge in Hazardous Area.

- Charger contacts are low voltage output and short circuit protected.

- Charger operating ambient: +10°C to +25°C.

- Charger ingress protection IP20, protect from dirt and moisture.

- Do not cover ventilation slots.

Warning RC-452: risk of short circuit if polarity incorrect. (See Fig. 18)

Peak current (during 3hrs charge period) = 1.5A

Peak current (standby - fully charged) = 0.08A max

Peak current (no torch in charger) = 0.03A max

Output Voltage does not exceed 14V (U_o=14V)

The RC-300 Mains Adaptor is 'CE' marked in compliance with the 2004/108/EC EMC Directive and 2006/95/EC Low Voltage Directive. (Fig. 18)

WARNING:

USE ONLY WOLF CHARGERS WITH THESE PRODUCTS (AS SHOWN IN FIG. 18)

USE ONLY GENUINE WOLF REPLACEMENT PARTS.

The Wolf Safety Lamp Co. Ltd has a policy of continuous product improvement. Changes in design details may be made without prior notice.

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