

Universal Kits

nNR universal kits suit any spout diameter between 22-32mm (nNR), 32-38mm (nNR Large) or 45.5-55.5mm (nNR XL) as each includes 4 grip kits. Choose your grip kit according to the table below:

Nozzle Model	nNR	Grip Kit*	Set Screws
			
Catlow HS	nNR Large	34mm	8mm
Husky 1+8	nNR Large	38mm	8mm
Husky 1A	nNR	30mm	6mm
Husky HS	nNR Large	34mm	8mm
Husky X	nNR	27mm	6mm
OPW 7H	nNR Large	38mm	8mm
OPW 11 A/B Leaded	nNR	30mm	6mm
OPW 11 A/B Unleaded	nNR	27mm	6mm
OPW 1290	nNR Large	38mm	8mm
OPW Avance	nNR	32mm	6mm
OPW Avance HS/VR	nNR	32mm	6mm
OPW DEF	nNR	27mm	6mm
Tatsuno Leaded	nNR	30mm	6mm
Tatsuno Unleaded	nNR	27mm	6mm
ZVA 25	nNR	32mm	6mm
ZVA 32	nNR Large	38mm	8mm
ZVA DEF	nNR	24mm	8mm
ZVA Slim Line	nNR	30mm	6mm
ZVA S.L. 2-GR	nNR	30mm	6mm

Watch the nNR Installation Tutorial



* The 32mm (nNR) 38mm (nNR Large) grip kits include only a two-piece top lid instead of two lids.

Specifications

Parameter	Value
Supply Voltage	3.6 internal battery pack P/N 812560010
Power Consumption	Active Mode: 160mA Standby Mode 20 µA
Operating Temperature	-40° to +60° C
Storage Temperature	-40° to +85° C
IP Rating	IP 67
Dimensions (HxWxD)	41x84x60.5mm
Weight	132g
Communication Interface	RF to WGT: 2.405-2.480GHz Typical transmission power: 3dbm (2mW) RFID to FuelOpass: 108-131 kHz
Hazardous Area	Zone 1 Explosive atmosphere (Ex) Exi/Exia: Intrinsically Safe/Sécurité Intrinsèque Group IIB type product Temperature Class: T3 Rated Temperatures:-40°≤T'amb≤+60° C

FCC Compliance Statement

The FCC Wants You to Know:
This equipment has been tested and found to comply with the limits for a Class A & B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
a) Reorient or relocate the receiving antenna.
b) Increase the separation between the equipment and receiver.
c) Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
d) Consult the dealer or an experienced radio/TV technician.

Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with FCC Rules Part 15 and with Industry Canada licence-exempt RSS standard(s). Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ORPAM



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Assembly Guide

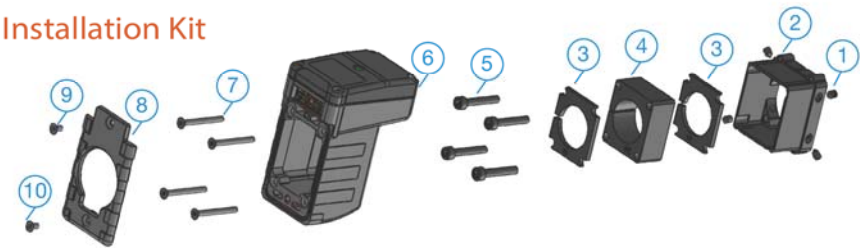


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800960000 nNR
800960100 nNR + Switch
800960050 nNR Large
800960150 nNR Large + Switch
800960060 nNR XL
800960160 nNR XL + Switch

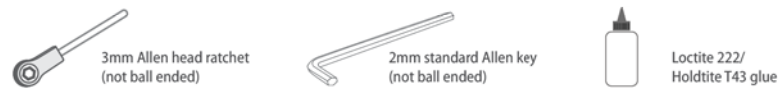
P/N 817460005 Rev A5

Installation Kit



#	Part Name	Part Number	Qty.
1	Set Screws	815221300 (6mm) 815221380 (8mm) 815221310 (10mm)	4
2	Spout Adaptor	814360500 (nNR) / 814361500 (nNR L) / 814361600 (nNR XL)	1
3	Lids - nNR (mm)	814360424 (24) 814360427 (27) 814360430 (30) 814360700 (32)	2
	Lids - nNR L (mm)	814361432 (32) 814361434 (34) 814361436 (36) 814361438 (38)	
	Lids - nNR XL (mm)	814361645 (45.5) 814361649 (49.5) 814361653 (53.5) 814361655 (55.5)	
4	Filler - nNR (mm)	814160024 (24) 814160027 (27) 814160030 (30) 814160032 (32)	1
	Filler - nNR Large (mm)	814161032 (32) 814161034 (34) 814161036 (36) 814161038 (38)	
	Filler - nNR XL (mm)	814161045 (45.5) 814161049 (49.5) 814161053 (53.5) 814161055 (55.5)	
5	M4 Screws	815213424 (nNR) / 815213400 (nNR L/XL)	4
6	nNR Assembly	819260000 (nNR) / 819260100 (nNR + Switch) 819260050 (nNR Large) / 819260150 (nNR Large + Switch) 819260060 (nNR XL) 819260160 (nNR XL + Switch)	1
7	M3 Screws	815260300	4
8	Front Cover	814360200 (nNR) 814360250 (Large) 814360260 (XL)	1
9	M3x6 Screws	815260200 (nNR/nNR Large)	2
10	M3x8 Screws	815260208 (nNR XL)	5

Required Tools



1

Slide the adaptor over the spout. Place it as close as possible to the nozzle's body

2

Choose the proper grip kit for the nozzle (see rear table), and place inside the adaptor. First place a lid, then the rubber filler, and lastly the other lid.

3

Secure the grip kit with the M4 screws. Tighten them in stages and in a diagonal sequence. Use a 3mm head ratchet

4

Apply glue and place the set screws in the adaptor's corners. Use a 2mm Allen key

5

Slide the nNR assembly over the spout

6

Secure the nNR to the adaptor with the M3 screws. Use a 2mm Allen key

7

Place the nNR front cover on top of the assembly. Secure with the M3 screws, using a 2mm Allen key. Use 2 screws for nNR and nNR L, use 5 screws for XL

8

Program the unit

Installation Notes

Apply glue to all of the screws

Unit should be serviced only by authorized service personnel.

Opening the unit by service personnel must not be done at the location of installation.

When replacing the battery, use P/N 812560010 only.