



NAJA 3D

HARDWARE INSTALLATION MANUAL

ORIGINAL MANUAL

PRODUCT REF NO: NA.3024WI | NA.3025WI | NA.3026WI

MANUAL REF NO:

04/2023 - REV. 1.0

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PACKING LIST:

NAJA 3D REVOLUT-ION IS SUPPLIED IN:

- » 2 packages for the reference NA.3035WI (Naja + small cabinet).
- » 2 packages for the reference NA.3034WI (Naja + big cabinet).



PACKAGE 1



PACKAGE 2A



PACKAGE 2B

PACKAGE 1: MEASURING UNIT:

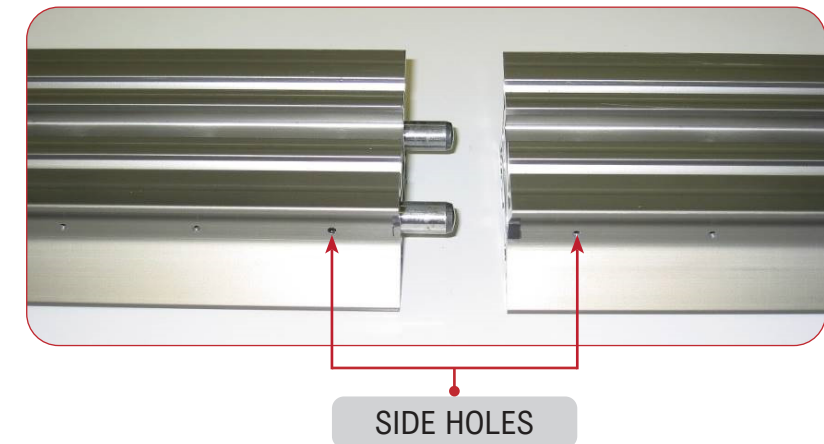
- » Measuring head » 2 Rails (2m) » 2 Rail brackets
- » Set of probes » Set of sockets » Gauge bar » Remote control
- » Bluetooth dongle » USB key (software and data calibration) » Battery charger » Manual

PACKAGE 2: TROLLEY (ONLY FOR THE REFERENCES NA.3034WI AND NA.3035WI):

- » Mobile cabinet (2A - Small cabinet / 2B - Big cabinet)

RAIL ASSEMBLY:

Position the two rails according to the photo below (Side hole needs to be on the same side).
Assemble the rails together, engaging the 2 pins in the 2 holes respectively.



Loosen the bolt of the mobile plate (dovetail) located in the rail (allen key supplied).



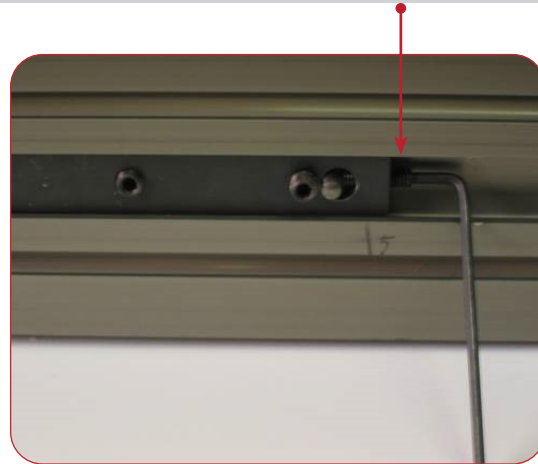
Slide the dovetail and align the holes for the 2 pins.



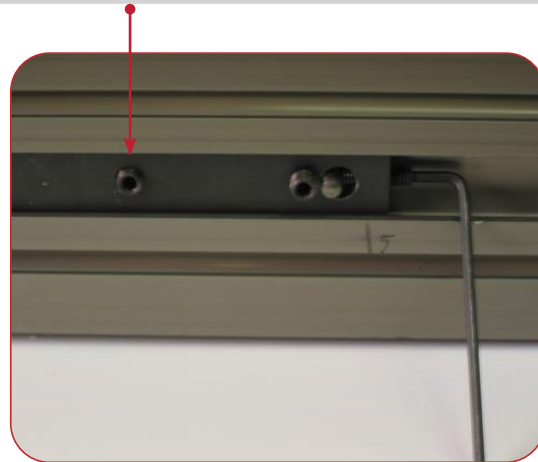
PAY ATTENTION TO NOT POSITION THE PIN TOO HIGH, IT COULD COME IN CONFLICT WITH THE MEASURING HEAD.

RAIL ASSEMBLY:

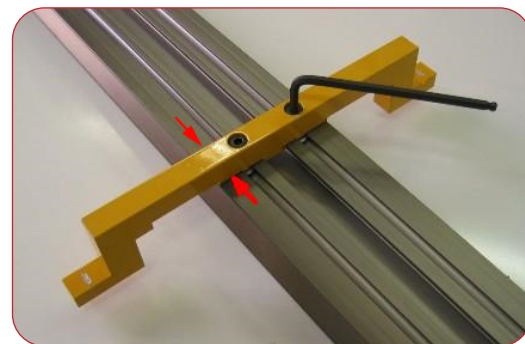
Tighten the 2 bolts to lock the 2 rails (allen key supplied).



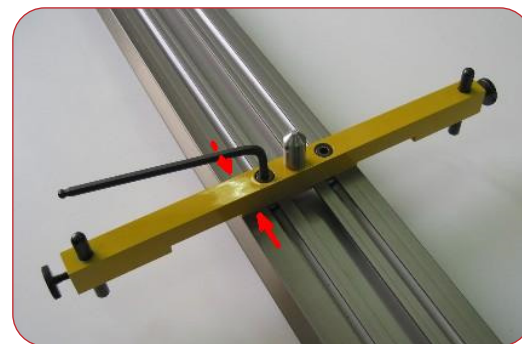
Tighten the 12 screws on the dovetail (allen key supplied).



Engage the 2 rail brackets and position them between the 2 red arrows and tighten the bolts.



Rear bracket (rail where you have the reset label on the back)



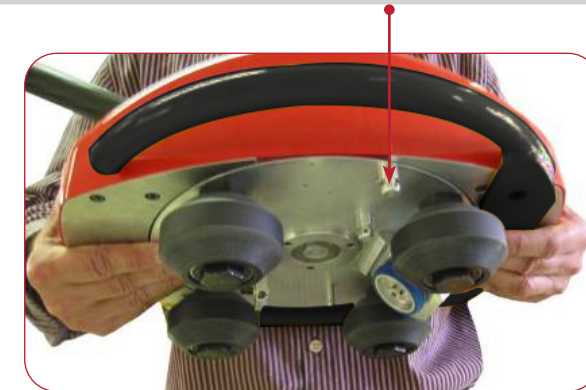
Front bracket (rail where you have the yellow arrow on the front)

INSTALLATION OF MEASURING HEAD ON THE RAIL:

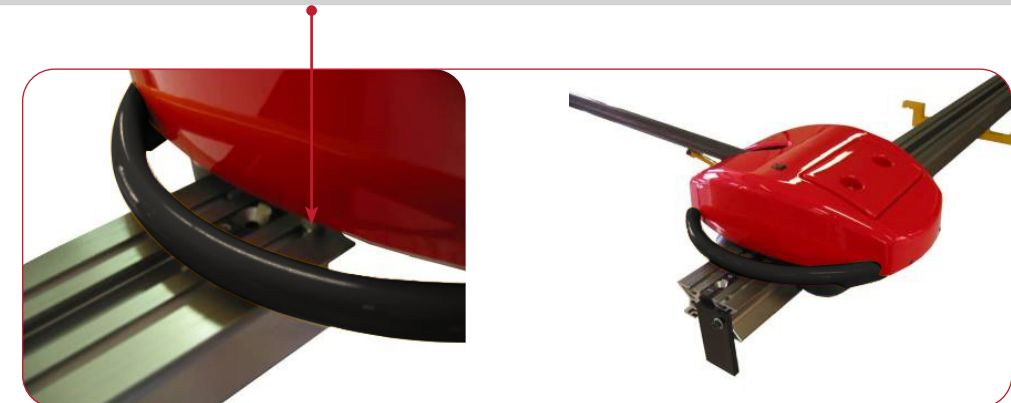
Rotate the safety lock.



Grab the measuring head in your hand, positioning the 2 lower pins, front side.



Engage the 2 lower pins in the rail's groove, align the wheels and engage the measuring system on the rail.

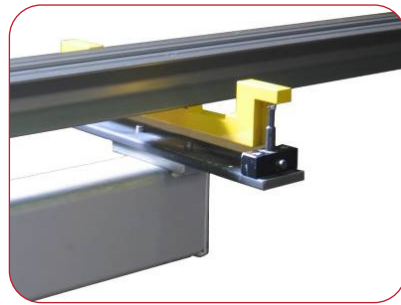


Rotate back the safety lock.

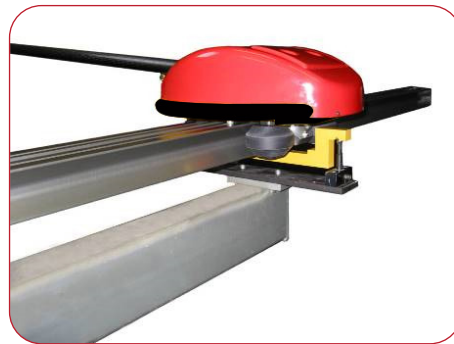


RAIL ADJUSTMENT:

Position the rail on its brackets.



Slide the measuring head on the rear bracket, carbon arm perpendicular to the rail.



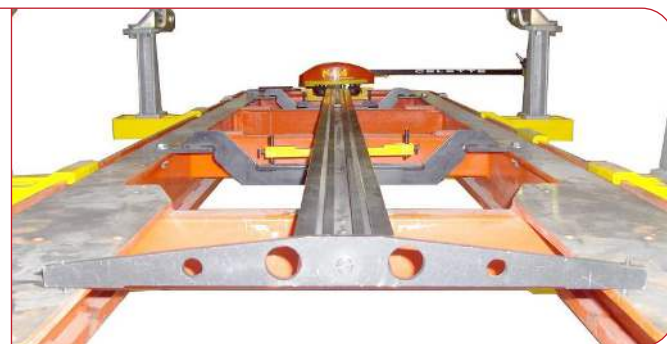
Lock the 2 pins of the central bracket in "high position".



Adjust the front rail support, just cancel the gap (without pressure).



On Gazelle, put in contact the black knurled nut and tighten the lower nut.



On bench, introduce the special front bracket and adjust the 2 outer bolt.

RAIL ADJUSTMENT:

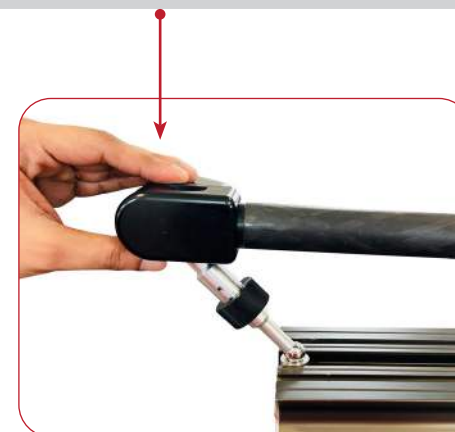
Release the 2 pins of the central brackets and lock them in "lower position".



Insert one battery in one of the two slots available.



Position the measuring head on RESET position. Switch on the power button at the top of the measuring head, while keeping the RESET position during 5 seconds, then release.



**IT IS COMPULSORY TO DO THIS PROCEDURE BEFORE EACH MEASUREMENT.
THE REQUIRED MEASUREMENT TEMPERATURE IS 20° CELSIUS.**

PRECAUTION - MAINTENANCE:

- Equipment has to be used in a dry place.
- Periodically clean the 2 sides of the rail and 4 black wheels with a dry or moist rag, do not use any solvents or silicone, only water.
- Check if some side holes are clogged. If so, clean them.
- Avoid temperature changes to the hardware, when in use. A stable temperature of 20° Celsius is recommended for good measurement results.
- Make sure at least one battery is charging. If you do not use your equipment for long period please disconnect the charged battery from the charger.
- Take precaution to the rail and measuring head's storage position, as to not damage them. Do not place any charge or constraint to them, this could create a distortion and therefore give you inaccurate measurement results.

IN ANY CASE THE RESPONSIBILITY OF CELETTE WILL NOT BE ENGAGED IN LITIGATION AFTER REPAIR, DUE TO BAD CONDITION OF USE OR NON-COMPLIANCE WITH MOUNTING INSTRUCTIONS, SETTINGS AND MAINTENANCE CITED ABOVE.

ALL MEASURES MUST BE CARRIED OUT BY A TRAINED AND QUALIFIED TECHNICIAN.

ALL CUSTOMERS ASSUME RESPONSIBILITY FOR THESE TASKS TO BE PERFORMED BY QUALIFIED PROFESSIONALS.

THE COMPANY CELETTE CAN NOT BE HELD RESPONSIBLE FOR DAMAGE TO THE EQUIPMENT OR POSSIBLE INJURIES TO PROFESSIONALS INVOLVED IN THESE OPERATIONS PERFORMED.

CERTIFICATES:

DECLARATION DE CONFORMITE DECLARATION OF CONFORMITY KONFORMITÄTSERKLÄRUNG



NOUS ▶ CELETTE S.A.S

We 3 AVENUE MARCELIN BERTHELOT
Wir 38200 VIENNE / FRANCE

Déclarons que le produit
▪ Declare that the product
▪ Erklären hiermit dass das Produkt

TYPE ▶ NAJA 3D REVOLUT-ION

Machine type
Maschinentyp

NUMERO DE SERIE OU LOT ▶ N°

Serial or batch number
Serien-order Chargen-Nr

**DIRECTIVE EUROPEENNE
NF ENV 13005**

Est conforme avec les exigences de cette Directive
▪ Is in conformity with the requirements of this Directive
▪ Den Anforderungen der Richtlinie (2006/42/CE) vom (17/05/2006) entspricht

NORMES HARMONISÉES APPLIQUÉES ▶

Harmonized standards applied
Angewandte harmonisierte Standards

Machinery : 2006/42/CE
Low Voltage : 2006/95/CE

ORGANISME DE CONTROLE

TÜV

CERTIFICATE N° S1 60007281

Cette attestation est reconnue conforme aux exigences essentielles de sécurité et de santé par l'Organisme de Contrôle.
▪ This declaration is in conformity with the essential requirements of safety and health established by the Control Organization (APAVE under number).
▪ Diese Bescheinigung entspricht den unerlässigen Sicherheits-und Gesundheitsanforderungen der Überprüfungsorganisation (APAVE Übereinstimmungsnummer).

LIEU ET DATE D'EMISSION ▶ CELETTE SAS

Place and Date of Issue
Ausstellungsort / - Datum
3 Avenue Marcellin Berthelot
38200 VIENNE

le 01/03/2023

RESPONSABLE QUALITE ▪ Quality Manager ▪ Qualitätsleiter

NOM ET FONCTION DE L'EMETTEUR ▶ Pierre NICOLAU - President

▪ Name and position of issuer
▪ Name und Position des Herstellers

Signature / Unterschrift

CERTIFICATES:

In the tables below you can find information about Bluetooth properties.

Table 9: Bluetooth information cB-0701-01

Parameter	Data
Bluetooth radio	Infineon/Ericsson PBD 313 05 (RAN)
Bluetooth base band controller	Infineon/Ericsson PBM 990 80 (FLINK)
RF output power	Class 2, typ 1.5dBm
Receive sensitive level	-80dBm (0.1% BER)
Receive input level (max)	Max +14 dBm
Output frequency	2.402 –2.480 GHz, ISM band.
Point to multi-point operation	Yes
Bluetooth stack	Embedded host stack
Bluetooth qualification	1.1

Table 10: Bluetooth information cB-0702-01

Parameter	Data
Bluetooth radio	Infineon/Ericsson PBD 313 02 (MIRIAN)
Bluetooth base band controller	Infineon/Ericsson PBM 990 90 (BLINK)
RF output power	Class 1, min -28dBm, max +16dBm
Receive sensitive level	-80dBm (0.1% BER)
Receive input level (max)	Max +15 dBm
Output frequency	2.402 –2.480 GHz, ISM band.
Point to multi-point operation	Yes
Bluetooth stack	Embedded host stack
Bluetooth qualification	1.1

CERTIFICATES:

7.1 Declaration of Conformity



We, **connectBlue AB**, of
Stora Varvsgatan 11 N:1
SE-211 19 Malmö, Sweden

declare under our sole responsibility that our products:

OEM Serial Port Adapter 13i, cB-0032-01, OEM Serial Port Adapter 13x, cB-0033-01
OEM Serial Port Adapter 33i, cB-0034-01, OEM Serial Port Adapter 33x, cB-0035-01
Serial Port Adapter 12i, cB-0036-01, Serial Port Adapter 32i, cB-0037-01
Serial Port Adapter 33i, cB-0041-01, Serial Port Adapter 33c, cB-0038-01
Rugged Serial Port Adapter 32s, cB-0039-01, OEM Module Adapter 2, cB-0040-01

to which this declaration relates, conforms to the following product specifications:

R&TTE Directive 1999/5/EC

EN 300 328-2 V1.1.1 (2000-07)

EMC Directive: 89/336/EEC

EN 301 489-1 V1.3.1 (2001-09)

EN 301 489-17 V1.1.1 (2000-09)

EN 61000-6-2 (1999)

Low Voltage Directive: 73/23/EEC

EN 61131-2

Medical Electrical Equipment

IEC 60601-1-2

21/02/2003 Malmö, Sweden

Thomas Vonheim
Development Manager and Vice President of connectBlue AB

A notification must be made to each of the national authorities responsible for radio spectrum management of the intention to place radio equipment that uses frequency bands whose use is not harmonized throughout the EU, on its national market.

More information at: <http://europa.eu.int/comm/enterprise/rtte/gener.htm>

CERTIFICATES:

7.2.1 FCC Statement for cB-0701-01

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class 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:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

7.2.1.1 Labeling Requirements for End Product

For an end product using the OEM Serial Port Adapter or the OEM Bluetooth Enabler there must be a label containing, at least, the following information:

This device contains
FCC ID: PVH070101

The label must be affixed on an exterior surface of the end product such that it will be visible upon inspection in compliance with the modular approval guidelines developed by the FCC.

In addition, the user manual for the end product must contain the following information:

"This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."

7.2.1.2 Antenna

When using the module equipped with the external antennas as described previously the antenna is fixed and cannot be removed or replaced by the end user.

7.2.1.3 Caution

Any changes or modifications NOT explicitly APPROVED by connectBlue AB could cause the module to cease to comply with FCC rules part 15, and thus void the user's authority to operate the equipment.

CERTIFICATES:

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7.2.2.2 RF-exposure Statement for cB-0702-01

This portable modular transmitter MUST have a separation distance of at least 2.5cm between the antenna and the body of the user or nearby persons, excluding hands, wrists, feet, and ankles.

If the radio module is installed in a laptop display, transmission MUST be prevented if the lid is closed to ensure that the minimum distance of 2.5cm between the user and the transmitting antenna is maintained.

Any notification to the end user of installation or removal instructions about the integrated radio module is NOT allowed.

Communiqué de Presse

BLUETOOTH, HIPERLAN
L'Autorité précise les conditions d'utilisation des équipements

Paris, le 5 juillet 2001

L'Autorité de régulation des télécommunications, à l'issue d'une concertation ayant conduit à un accord avec les Forces Armées, vient de préciser les conditions d'utilisation :

- des installations radioélectriques non spécifiques de faible puissance et de faible portée fonctionnant dans la bande des 2,4 GHz (qui comprennent notamment les produits à la norme Bluetooth),
- des systèmes de radiocommunication unilatérale sur site à faible portée (qui pourront notamment être utilisées lors de manifestations sportives),
- des réseaux locaux radioélectriques à haute performance (c'est à dire les "Hiperlan").

Conformément aux dispositions de l'article L.33-3 du code des postes et télécommunications, ces installations sont établies librement : aucune licence n'est donc nécessaire pour les utiliser.

- **Les installations radioélectriques de faible puissance et de faible portée fonctionnant dans la bande des 2,4 GHz**

L'Autorité autorise pour ce type d'installation la totalité de la bande 2400-2483,5 MHz, avec une puissance limitée à 10 mW à l'intérieur des bâtiments et 2,5 mW à l'extérieur des bâtiments.

Cette évolution répond en particulier aux demandes des opérateurs de téléphonie mobile et aux besoins des consommateurs pour les interfaces sans fil destinées à équiper des produits à la norme Bluetooth, tels les téléphones cellulaires et les ordinateurs portables.

Outre les produits à la norme Bluetooth, les installations en 2,4 GHz permettent différents types d'applications : transmission de données à large bande, télécommande et télécontrôle, télémétrie, transmission d'alarmes, voix et vidéo.

Le dispositif sera complété prochainement par une décision fixant les conditions d'utilisation des réseaux locaux radioélectriques (dits "RLAN") dans cette bande.

- **Les systèmes de radiocommunication unilatérale sur site à faible portée**

L'Autorité, après une concertation approfondie avec le CSA, autorise ces dispositifs qui fonctionnent sur la bande de fréquences 26-26,1 MHz et permettent la transmission de la parole entre des relais radioélectriques et des récepteurs individuels spécifiquement destinés et adaptés à cet usage.

Ils concernent des applications à destination du public permettant par exemple à un arbitre, lors d'un événement sportif, d'informer de ses décisions les spectateurs présents dans le stade et munis d'une oreillette, ceci dans un but pédagogique et éducatif.

vendredi 15 avril 2005

<http://www.art-telecom.fr/communiques/communiques/2001/23-2001.htm>

- **Les réseaux locaux radioélectriques à haute performance (Hiperlan)**

L'Autorité autorise ces réseaux prévus pour répondre aux besoins d'utilisation de systèmes de transmission de données à haut débit.

Les Hiperlan fonctionnent à l'intérieur des bâtiments avec une puissance limitée à 200 mW dans la bande 5150-5350 MHz.

Ces trois décisions ont été homologuées par le ministre chargé des télécommunications et publiées au Journal officiel du 16 juin 2001.

Décisions fixant les conditions d'utilisation de ces systèmes (n° 01-439, 01-441 et 01-442 du 2 mai 2001), ainsi que les décisions attribuant les fréquences à ces usages (01-438, 01-440 et 01-443 du 2 mai 2001)



©Autorité de régulation des télécommunications - Juillet 2001
7, Square Max Hymans - 75730 PARIS Cedex 15
Téléphone : +33 1 40 47 70 00 - Télécopie : +33 1 40 47 71 98

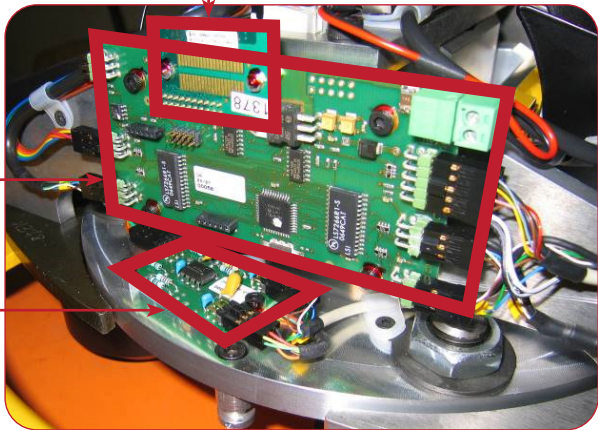
vendredi 15 avril 2005

SPARE PARTS:

BLUETOOTH CARD:
REF: NA.7020.11514

MOTHERBOARD:
REF: NA.7020.13897

INDEX CARD:
REF: NA.7020.21286



SWITCH CARD:
REF NO: NA.7020.13670



TOP COVER:
REF NO: NA.7020.11457



COVER WITH WIRING:
REF NO: NA.7020.SE15



HANDLE:
REF NO: NA.7020.16763

SPARE PARTS:

BATTERY:
REF NO: ELAC.105



PHYSICAL SPECIFICATIONS		
Nominal Voltage		6V
Nominal Capacity (100HR)		7.7Ah
Dimensions	Length	151mm
	Width	34mm
	Total Height (with terminal)	100mm
Weight		1.2Kg
Standard Terminal		Faston 4.75mm - Type 187
ELECTRICAL SPECIFICATIONS		
Influence of Temperature Capacity Affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Internal Resistance	Fully charged battery 13 milliohms (25°C, 77°F)	
Short-Circuit Current		0.23KA

SPARE PARTS:

Designation	Reference	Photo	Weight	NB
Pivoting rail stop	NA.7020.11401			1
Reset PARTS	NA.7020.11413 + NA.7020.11414			1
Connection rail parts	NA.7022.SE18		0.5 Kg	2
Pin 6x50	NA.7020.03277			2
Screws Hc M8x10	76ST08X01002			12
Screws M6x20	76ST06X02002			2
Rail nut	NA.7020.11530			1
Front support	NA.7020.16765		0.4 Kg	1
Rear support	NA.7020.16764		0.5 Kg	1
Screws CHc M8x20	7608X02003Z			4
Support pin	NA.7020.04153		0.04 Kg	2
Support pin locking screw	NA.7020.04528		0.02 Kg	2
Conical support pin	NA.7020.11352		0.04 Kg	1
Screws HM16x50	7116X050032			4
Nut HM16	911603Z			4
Washer M16	961648Z			4
Front rail support screws	NA.7020.4412			1
Standard bar	NA.7020.19647			1
Remote control (with wire)	NA.7022.SE29			1
Probe 50mm	NA.7022.SE21			1
Probe 200mm	NA.7022.SE22			1
Probe 400mm	NA.7022.SE23			1
Probe 550mm	NA.7022.SE24			1
Probe en L	NA.7022.SE25			1
Probe Mc Pherson	NA.7022.SE26			1
M6 socket	NA.7001			1
M8 socket	NA.7002			1
M10 socket	NA.7003			1
M12 socket	NA.7004			1
M12L-F10 socket	NA.7004LM			1

SPARE PARTS:

Designation	Reference	Photo	Weight	NB
M14-F12 socket	NA.7005M			1
M16-F13 socket	NA.7006M			1
M18-F14 socket	NA.7007M			1
M20-F15 socket	NA.7008M			1
M22-F16.5 socket	NA.7009M			1
M23-F17.5 socket	NA.7010M			1
M24-F19 socket	NA.7011M			1
M25-F20 socket	NA.7012M			1
M27-F21 socket	NA.7013M			1
M28-F22 socket	NA.7014M			1
M29-F24.5 socket	NA.7015M			1
M30-F25.5 socket	NA.7016M			1
M30-F28 socket	NA.7017M			1
S25 socket	NA.7052			1
Conical socket	NA.7018			1
Socket spring	NA.7019			
Mc Pherson conical socket	NA.7035			1
Part for repair operation	NA.7034			1
G8 socket	NA.7057M			1
G10 socket	NA.7058M			1
G12 socket	NA.7059M			1
M25C Socket	NA.7068			1
M30C Socket	NA.7069			1
M40 Socket	NA.7070			1
TX12 Socket	NA.7088			1
TX14 Socket	NA.7089			1
TX16 Socket	NA.7090			1
TX18 Socket	NA.7091			1
TX20 Socket	NA.7092			1

THANK YOU!!!
FOR PURCHASING OUR PRODUCT



CELETTE SAS

80, Impasse des Bretteaux 42410 SAINT MICHEL SUR RHÔNE FRANCE

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info@celette.com

www.celette.com



IMPORTANT NOTE: Please do not forget to send us the product registration form for warranty registration.