

TECHNICAL MANUAL

2020/21



ARMADA

ARMADA DEALER WARRANTY PROCESS

Warranty claims are to be made through the Authorized Armada Dealer where purchased. Warranty is only valid with proof of purchase from an Authorized Armada Dealer. Hand written receipts will not be accepted.

SKI, BINDINGS, & POLE WARRANTY POLICY

All Armada Skis, Bindings, and Ski Poles are warranted for two years from the date of purchase against manufacturer defects. The warranty applies only to Armada products purchased from Authorized Armada Dealers and is valid for the original purchaser only. Skis, Bindings, and Ski Poles purchased from 3rd Party sites (Amazon, Ebay, etc.) and Skis, Bindings, and Ski poles purchased 2nd hand are not covered under Armada's warranty policy. Alteration of Armada products will void warranty. Warranty claims are to be made through the Authorized Armada dealer where purchased.

The warranty applies only to Armada products purchased from Authorized Armada dealers and is valid for the original purchaser only. Original receipt must accompany warranty skis, bindings, or ski poles as a proof of purchase and validation of term of use.

Excluded from coverage under this warranty are the following:

- Skis mounted more than once. Only one set of drilled screw holes is allowable. More than one recognizable mount and/or filling holes and re-mounting the ski voids this Warranty.
- Damage caused by misuse, abuse or neglect.
- Impact damage caused by rocks, stumps, dumpsters, parking lots, rails

or any other contact with a surface different than snow.

- Scratches, chips and indentations in top sheets or base.
- Damage caused by ski to ski contact
- Damage caused by improper mounting or adjustment of the bindings, including bindings pulling out of the ski. If your mount is done improperly or the wrong size bit is used to drill the holes - both the width and depth of the mounting holes - then the warranty is void.
- Damage caused by binding pull-out
- Graphic fading or discoloring, if due to misuse or neglect.
- Damage caused from chairlift breakage.
- Normal wear and tear.
- Damage caused by anything other than defects in material or workmanship.
- Damage caused by use of solvents and adhesives.
- Any and all claims for consequential or incidental damages.
- Broken, damaged, or snapped skis/poles caused by uncontrolled impact and/or crash.

All coverage under this warranty is void if any modification, change or alteration has been made to the product that is not specifically authorized in writing by Armada.

Repaired or replaced products are covered for the remainder of the original warranty only.

All warranty claims must be accompanied by the original purchase receipt from an Authorized Armada Dealer. Invoice or charge receipt must clearly identify the dealer. **HAND WRITTEN RECEIPTS WILL NOT BE ACCEPTED.**

Armada product is not covered by any verbal warranties. **ROCK DAMAGE AND ANY OTHER IMPACT RELATED DAMAGE INCLUDING DAMAGE CAUSED BY RAILS AND OTHER URBAN FEATURES IS NOT COVERED UNDER THIS WARRANTY.** ALL WARRANTIES IMPLIED BY STATE LAW, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE DURATION OF THE WRITTEN WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY STATE LAW AS HEREBY LIMITED, THE FOREGOING EXPRESS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS AND SIMILAR OBLIGATIONS OF MANUFACTURER OR SELLER. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS WHICH VARY FROM STATE TO STATE.

TECHNICAL OUTERWEAR WARRANTY POLICY

All Armada Technical Outerwear garments are fully warranted against defects in materials and workmanship for three years from purchase date. This warranty applies to Technical Outerwear purchased from an Authorized Armada Dealer and can be redeemed by the original purchaser only, proof of purchase is required. Warranty claims are to be made

through the Authorized Armada Dealer where purchased. Warranty is only valid with proof of purchase from an Authorized Armada Dealer. Hand written receipts will not be accepted. The Armada warranty program does not cover any defects due to improper fit. Alteration of Armada products will void warranty. Should any garment's key features or functions fail

due to a manufacturing defect, we will repair it without charge or provide a replacement.

Warranty Period:

All Armada Technical Outerwear garments are covered by a three year warranty period. This policy does not cover normal wear and tear on the product. >>>

ARMADA DEALER WARRANTY PROCESS

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Technical Outerwear Warranty Guidelines:

/ Covered

- Defective sewing.
- Defective zippers and attachment hardware.
- Velcro patches and/or snaps.
- Missing or broken drawstrings, cords and leashes.

/ Not Covered

- Rips and Tears.
- Fading (this includes UV damage).
- Pilling.
- Shrinking.
- Damage (including color bleeding and loss of waterproof qualities) resulting from improper washing or the use of improper detergents.

What is the warranty process?

Warranty claims are to be made through the Authorized Armada Dealer where purchased. Warranty is only valid with proof of purchase from an Authorized Armada Dealer. Hand written receipts will not be accepted. The Armada warranty program does not cover any defects due to improper fit. Alteration of Armada products will void warranty.

Will Armada repair or replace the garment?

Our first option is always to repair the garment. If it is not repairable, we will gladly replace it. Please understand we may be out of stock or no longer carry that particular product style or color, and will do everything possible to replace the garment with the closest possible style.

Are rips and tears covered under the warranty?

No, rips and tears in the fabric are not covered under warranty. Even though our products are manufactured to the highest possible standards, and are well taken care of by the owner; normal wear and tear as well as unforeseen accidents are unavoidable. (We recommend using

technical tape to repair most cuts and tears.)

What is not covered?

Armada's warranty does not cover garments damaged due to an accident, improper care, negligence, improper laundering, or normal wear and tear. (Example - if the seam on the cuff of your pants comes undone, and there is evidence of damage, i.e. walking through a parking lot with your boots on and stepping on the bottom of the pant, the seam damage will be unwarrantable because of the neglect. Damage due to improper laundering; make sure to follow all washing direction on garment, if you are unsure, reach out to us.)

Apparel/Gloves/Accessory Warranty Policy:

All Armada apparel and accessories, including but not limited to; Gloves, Beanies, Fleece, T-Shirts, Bags, Hats, Belts, and Bandanas, are warranted against defects in material or workmanship for 2 years from the date of purchase. Warranty claims are to be made through the Authorized Armada Dealer where purchased. Warranty is only valid with proof of purchase from an Authorized Armada Dealer. Hand written receipts will not be accepted. The Armada warranty program does not cover any defects due to improper fit. Alteration of Armada products will void warranty.

Apparel/Accessory/Glove Warranty Guidelines:

/ Covered

- Defective sewing.
- Defective zippers and attachment hardware.
- Velcro patches and/or snaps.
- Missing or broken drawstrings, cords and leashes.

/ Not Covered

- Rips and Tears.
- Fading (this includes UV damage).
- Pilling.
- Shrinking.

- Damage (including color bleeding and loss of waterproof qualities) resulting from improper washing or the use of improper detergents or drying technique.

Limitation of Liability

TO THE EXTENT PERMITTED BY NATIONAL LAWS, THE PRESENT WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES. ARMADA SHALL NOT BE HELD LIABLE FOR ANY CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO LOSS OF CHANCE OR PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF DATA, PUNITIVE DAMAGES, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED FACILITIES, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT OR FACILITIES, DOWNTIME, THE CLAIMS OF ANY THIRD PARTIES, INCLUDING CUSTOMERS, AND INJURY TO PROPERTY, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM BREACH OF THE WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY, EVEN IF ARMADA KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. ARMADA SHALL NOT BE LIABLE FOR DELAY IN RENDERING SERVICE UNDER THE LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE PRODUCT IS BEING REPAIRED.

SKI



MOUNT POINT INFO

MODEL NAME	SIZE	ISO GROUP - DRILL BIT	FACTORY RECOMMENDED MOUNTING MEASUREMENT	SECONDARY MOUNTING MEASUREMENT
WHITEWALKER	185	G1 - 4.1 x 9.5	87 cm	89.5 cm
WHITEWALKER	192	G1 - 4.1 x 9.5	89.5 cm	92.7 cm
ARG II	187	G1 - 4.1 x 9.5	87.8 cm	N/A
ARV 116 JJ UL	165	G1 - 4.1 x 9.5	76.5 cm	79 cm
ARV 116 JJ UL	175	G1 - 4.1 x 9.5	81.5 cm	84 cm
ARV 116 JJ UL	185	G1 - 4.1 x 9.5	86.5 cm	89 cm
ARV 116 JJ UL	192	G1 - 4.1 x 9.5	90 cm	92.5 cm
BDOG EDGELESS	164	G1 - 3.5 x 9.5	81 cm	N/A
BDOG EDGELESS	172	G1 - 3.5 x 9.5	85 cm	N/A
BDOG EDGELESS	180	G1 - 3.5 x 9.5	89 cm	N/A
Stranger	172	G1 - 3.5 x 9.5	76 cm	N/A
Stranger	180	G1 - 3.5 x 9.5	80 cm	N/A
ARV 116 JJ	165	G1 - 3.5 x 9.5	76.5 cm	79 cm
ARV 116 JJ	175	G1 - 3.5 x 9.5	81.5 cm	84 cm
ARV 116 JJ	185	G1 - 3.5 x 9.5	86.5 cm	89 cm
ARV 116 JJ	192	G1 - 3.5 x 9.5	90 cm	92.5 cm
ARV 106	172	G1 - 3.5 x 9.5	79.5 cm	83 cm
ARV 106	180	G1 - 3.5 x 9.5	83.5 cm	87 cm
ARV 106	188	G1 - 3.5 x 9.5	87.5 cm	91 cm
ARV 96	163	G1 - 3.5 x 9.5	75.5 cm	78 cm
ARV 96	170	G1 - 3.5 x 9.5	79 cm	81.5 cm
ARV 96	177	G1 - 3.5 x 9.5	82.5 cm	85 cm
ARV 96	184	G1 - 3.5 x 9.5	86 cm	88.5 cm
ARV 86	163	G1 - 3.5 x 9.5	76.8 cm	78.8 cm
ARV 86	170	G1 - 3.5 x 9.5	80.5 cm	82.5 cm
ARV 86	177	G1 - 3.5 x 9.5	83.6 cm	85.6 cm
ARV 86	184	G1 - 3.5 x 9.5	86.7 cm	88.7 cm
ARV 84	135	G3 - 3.5 x 7.5	62.4 cm	66.4 cm
ARV 84	142	G3 - 3.5 x 7.5	65.6 cm	69.6 cm
ARV 84	149	G1 - 3.5 x 9.5	68.8 cm	72.8 cm
ARV 84	156	G1 - 3.5 x 9.5	72.1 cm	76.1 cm
ARV 84	163	G1 - 3.5 x 9.5	75.4 cm	79.4 cm
ARV 84	170	G1 - 3.5 x 9.5	78.7 cm	82.7 cm
MAGIC J	180	G1 - 3.5 x 9.5	85 cm	N/A
MAGIC J	190	G1 - 3.5 x 9.5	90 cm	N/A
EDOLLO	164	G1 - 3.5 x 9.5	79 cm	N/A
EDOLLO	172	G1 - 3.5 x 9.5	82.4 cm	N/A
EDOLLO	180	G1 - 3.5 x 9.5	86.3 cm	N/A
BDOG	164	G1 - 3.5 x 9.5	81 cm	N/A
BDOG	172	G1 - 3.5 x 9.5	85 cm	N/A
BDOG	180	G1 - 3.5 x 9.5	89 cm	N/A
TRACER 118	180	G1 - 4.1 x 9.5	80 cm	N/A
TRACER 118	188	G1 - 4.1 x 9.5	83.7 cm	N/A
TRACER 118	195	G1 - 4.1 x 9.5	88.1 cm	N/A
TRACER 108	164	G1 - 4.1 x 9.5	72 cm	N/A
TRACER 108	172	G1 - 4.1 x 9.5	76 cm	N/A
TRACER 108	180	G1 - 4.1 x 9.5	80.6 cm	N/A
TRACER 108	188	G1 - 4.1 x 9.5	83.2 cm	N/A
TRACER 98	164	G1 - 4.1 x 9.5	72.9 cm	N/A
TRACER 98	172	G1 - 4.1 x 9.5	76.2 cm	N/A
TRACER 98	180	G1 - 4.1 x 9.5	79.6 cm	N/A
TRACER 98	188	G1 - 4.1 x 9.5	83.4 cm	N/A
TRACER 88	162	G1 - 4.1 x 9.5	74.8 cm	N/A
TRACER 88	172	G1 - 4.1 x 9.5	79 cm	N/A
TRACER 88	182	G1 - 4.1 x 9.5	82.9 cm	N/A
DECLIVITY X	185	G1 - 3.5 x 9.5	80 cm	N/A

MODEL NAME	SIZE	ISO GROUP - DRILL BIT	FACTORY RECOMMENDED MOUNTING MEASUREMENT	SECONDARY MOUNTING MEASUREMENT
DECLIVITY X	192	G1 - 3.5 x 9.5	83 cm	N/A
DECLIVITY 102	172	G1 - 4.1 x 9.5	78.7 cm	N/A
DECLIVITY 102	180	G1 - 4.1 x 9.5	81 cm	N/A
DECLIVITY 102	188	G1 - 4.1 x 9.5	86.6 cm	N/A
DECLIVITY 92	164	G1 - 4.1 x 9.5	72.1 cm	N/A
DECLIVITY 92	172	G1 - 4.1 x 9.5	76 cm	N/A
DECLIVITY 92	180	G1 - 4.1 x 9.5	79 cm	N/A
DECLIVITY 92	188	G1 - 4.1 x 9.5	84 cm	N/A
DECLIVITY 82	166	G1 - 4.1 x 9.5	72.9 cm	N/A
DECLIVITY 82	174	G1 - 4.1 x 9.5	77 cm	N/A
DECLIVITY 82	182	G1 - 4.1 x 9.5	80.7 cm	N/A
ARW 116 VJJ UL	165	G1 - 4.1 x 9.5	76.5 cm	79 cm
ARW 116 VJJ UL	175	G1 - 4.1 x 9.5	81.5 cm	84 cm
ARW 96	156	G1 - 3.5 x 9.5	72 cm	74.5 cm
ARW 96	163	G1 - 3.5 x 9.5	75.5 cm	78 cm
ARW 96	170	G1 - 3.5 x 9.5	79 cm	81.5 cm
ARW 86	156	G1 - 3.5 x 9.5	73.5 cm	75.5 cm
ARW 86	163	G1 - 3.5 x 9.5	76.8 cm	78.8 cm
ARW 86	170	G1 - 3.5 x 9.5	80.5 cm	82.5 cm
ARW 84	135	G3 - 3.5 x 7.5	62.4 cm	66.4 cm
ARW 84	142	G3 - 3.5 x 7.5	65.6 cm	69.6 cm
ARW 84	149	G1 - 3.5 x 9.5	68.8 cm	72.8 cm
ARW 84	156	G1 - 3.5 x 9.5	72.1 cm	76.1 cm
ARW 84	163	G1 - 3.5 x 9.5	75.4 cm	79.4 cm
TRACE 108	156	G1 - 4.1 x 9.5	68 cm	N/A
TRACE 108	164	G1 - 4.1 x 9.5	72 cm	N/A
TRACE 108	172	G1 - 4.1 x 9.5	76 cm	N/A
TRACE 98	156	G1 - 4.1 x 9.5	69.3 cm	N/A
TRACE 98	164	G1 - 4.1 x 9.5	72.9 cm	N/A
TRACE 98	172	G1 - 4.1 x 9.5	76.2 cm	N/A
TRACE 88	152	G1 - 4.1 x 9.5	69.8 cm	N/A
TRACE 88	162	G1 - 4.1 x 9.5	74.8 cm	N/A
TRACE 88	172	G1 - 4.1 x 9.5	79 cm	N/A
VICTA 87 TI	155	G1 - 4.1 x 9.5	69.8 cm	N/A
VICTA 87 TI	163	G1 - 4.1 x 9.5	73.7 cm	N/A
VICTA 87 TI	171	G1 - 4.1 x 9.5	77.7 cm	N/A
VICTA 93	151	G1 - 3.5 x 9.5	68.3 cm	N/A
VICTA 93	159	G1 - 3.5 x 9.5	72.2 cm	N/A
VICTA 93	167	G1 - 3.5 x 9.5	76.2 cm	N/A
VICTA 83	151	G1 - 3.5 x 9.5	67.7 cm	N/A
VICTA 83	159	G1 - 3.5 x 9.5	71.7 cm	N/A
VICTA 83	167	G1 - 3.5 x 9.5	75.7 cm	N/A
TANTRUM	138	G3 - 3.5 x 7.5	61.5 cm	N/A
TANTRUM	147	G2 - 3.5 x 9.5	65 cm	N/A
TANTRUM	156	G1 - 3.5 x 9.5	69.5 cm	N/A
BANTAM	110	G3 - 3.5 x 7.5	49.5 cm	N/A
BANTAM	120	G3 - 3.5 x 7.5	54 cm	N/A
BANTAM	130	G3 - 3.5 x 7.5	58.5 cm	N/A
KIRTI	110	G3 - 3.5 x 7.5	49.5 cm	N/A
KIRTI	120	G3 - 3.5 x 7.5	54 cm	N/A
KIRTI	130	G3 - 3.5 x 7.5	58.5 cm	N/A
ARV 96 UL	163	G1 - 3.5 x 9.5	75.5 cm	78 cm
ARV 96 UL	170	G1 - 3.5 x 9.5	79 cm	81.5 cm
ARV 96 UL	177	G1 - 3.5 x 9.5	82.5 cm	85 cm
ARV 96 UL	184	G1 - 3.5 x 9.5	86 cm	88.5 cm

SKI EDGE ANGLE

MODEL MARKETING PRODUCT NAME	MODEL SIDEWALL STEEL EDGE SIDEWALL ANGLE	MODEL BASE STEEL EDGE BASE ANGLE
ARG II	87 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARV 116 JJ UL	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
WHITEWALKER	87 +/- 0,5°	ALP Standard 1,3 +/-0,3°
STRANGER	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
BDOG EDGELESS	NA	NA
DECLIVITY X	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
DECLIVITY 102 TI	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
DECLIVITY 92 TI	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
DECLIVITY 82 TI	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
TRACER 118	87 +/- 0,5°	ALP Standard 1,3 +/-0,3°
TRACER 108	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
TRACER 98	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
TRACER 88	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARV 116 JJ	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARV 106	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARV 96	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARV 86	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARV 84 (156 - 170)	87 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARV 84 (135 - 149)	87 +/- 0,5°	ALP Standard 1,3 +/-0,3°
MAGIC J	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
EDOLLO	87 +/- 0,5°	ALP Standard 1,3 +/-0,3°
BDOG	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
VICTA 87 TI	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
VICTA 93	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
VICTA 83	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
TRACE 108	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
TRACE 98	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
TRACE 88	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARW 116 VJJ UL	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARW 96	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARW 86	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARW 84 (156 - 163)	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
ARW 84 (135 - 149)	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
TANTRUM	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
BANTAM	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
KIRTI	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°
OYUKI SMU ARV 116 JJ UL	87,5 +/- 0,5°	ALP Standard 1,3 +/-0,3°

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



BINDING

BINDING INDEMNIFICATION LIST

THE CHANGES TO OUR 2020-21 BINDING INDEMNIFICATION LIST REFLECT ARMADA USA'S POSITION REGARDING DISCONTINUATION OF SERVICE ON ANY BINDINGS WHICH ARE BEYOND THEIR USABLE LIFE.

Each year, Armada USA reviews its Binding Indemnification List.

New models are added, and in some instances, older models are removed from the list.

Older models are dropped to enhance the safety of skiers, and to encourage skiers not to use aged bindings for longer than their reasonably useful life.

In summary, skiers are best served when they are encouraged to stop using bindings that are deemed beyond their usable life by Armada USA, or bindings which show excessive wear.

HOW TO READ THE LIST

XXXXX > New models

XXXXX > Current season model including new models

XXXXX > Final season model

RETAIL AND RENTAL

2020/21

N SHIFT MNC 10

N TRACER TOUR

E Z12 GW

E M10 GW

L L6 GW

NR WARDEN MNC 11 DEMO

NR M10 GW

N SHIFT MNC 13

N STH2 WTR 16

N Warden MNC 13

NR Warden MNC 13 Demo

D Warden MNC 13 Demo

N Warden MNC 11

2019/20

E L10 GW

NR C5 GW

N STH2 WTR 13

N L10

N L7

F Warden MNC 11 Demo

E L10 GW

L C5 GW

< 2018

NR Lithium 10

E Lithium 10

NR C5

E C5

PREPARATION

Proper procedures for a certified technician to follow while mounting and adjusting Armada Bindings. Therefore, rental bindings can be shipped without instructions or individual packaging. However, if these products are in fact sold, you absolutely have to supply your customer with the appropriate instructions. Upon request, Armada will supply you with a document containing important information. The seven important steps to installing and adjusting are :

1. Preparation
2. Installation
3. Binding-to-boot adjustment
4. Release value selection and adjustment
5. Final check and system inspection
6. Mechanical inspection
7. Skier instruction and Warning

LIST OF TOOLS AND ACCESSORIES THAT ARE NECESSARY IN THE WORKSHOP

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> › Technical manuals for Skis and Bindings › Spare-parts catalogs › Release adjustment table (DIN chart)
+ skier type › Jigs (please consult spare-parts catalog for different references) › Synchro measuring device ref. 001189 › Electric drill › Drill bits (see on spare-parts catalog for different models) › Adjustment tool (Armada screwdriver)
ref. 000902 › Power screwdriver with torque release | <ul style="list-style-type: none"> › Posidrive® screwdriver 7mm - ref. 000862 › Tap ref. 000816 › Brace ref. 000817 › Repair kit (2 extractor bits and repair plugs)
ref. 000878 › Grease ref. 000905 › Glue ref. 000811 › 4.5 diameter plastic plugs
(different references depending on the color -
see spare-parts catalog) › Specific adaptations:
(for the references see spare-parts catalog) | <p><u>Brakes</u></p> <ul style="list-style-type: none"> - carving (=long arms) - wide brake <p><u>Plates</u></p> <ul style="list-style-type: none"> › For all other parts
(such as AFD, housing, brakes, crews...),
please consult your spare parts catalog. |
|---|--|---|

WARNING : An Armada toe or heel may not be mounted with another manufacturer's toe or heel. Warranty are automatically voided for such mixed systems.

MOUNTING

SELECTING THE JIG

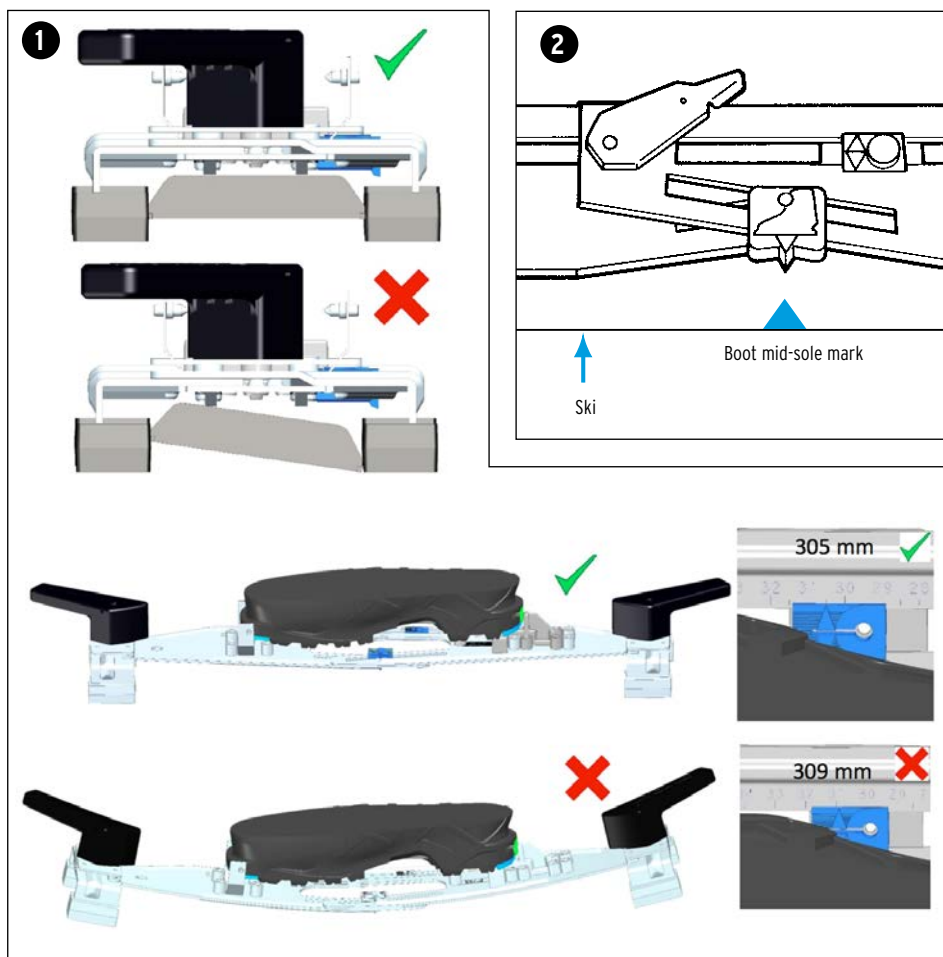
Ref.	Jigs	Skis Widths	Application
L0011560001	Senior N L10 Junior N L 7 - N L7 GW	56 mm <-> 99 mm	Senior (Lenght drilling 9,5 mm) Junior (Lenght drilling 8 mm)
L0011570001		80 mm <-> 123 mm	
L3086300001	Easytrak (E C5 - E L7 - E L10 - E lithium 10, L L6 GW, L C5 GW, L10 GW, M10 GW	70 > 116 mm	Senior (Length drilling 9.5 mm)
L3298160001	STH ² WTR WARDEN 13 MNC	56 > 143 mm	Senior (Length drilling 9.5 mm)
L3910910001	WARDEN DEMO 13 MNC, WARDEN MNC 11, WARDEN MNC 11 DEMO	56 > 143 mm	Senior (Length drilling 9.5 mm)
L3816250001	TRACER TOUR	56 > 143 mm	Senior (Length drilling 9.5 mm)
L3989470001	SHIFT MNC 10 & 13	56 > 143 mm	Senior (Length drilling 9.5 mm)

USING THE JIG

The main function of a jig is to insure that all holes for mounting the binding are drilled in the correct location.

See chart to select the proper jig.

1. Check that you have everything you need (the jig that corresponds to the binding, the right skis, the right boots).
2. Open the locking lever.
3. Open the jig by twisting both handles inward.
Place the jig in the right direction on the ski.
4. Place the jig on the ski and make sure that the jig remains properly aligned to the ski during the entire drilling operation (**fig.1**).
- If the ski has a mid-sole mark, line up the mid-sole indicator on the jig with the mid-sole mark on the ski (**fig.2**).
- If the ski has a tip-of-the-boot mark, line up the tip-of-boot-sole indicator on the jig with the tip-of-boot mark on the ski.
- If the ski has no visible markings for jig location, consult the ski manufacturer for proper mounting position.
5. Once the jig is well-positioned on the ski, it is important to adjust the jig to the correct boot length to make sure the heel piece is in the proper position.
6. Place the boot on the jig in the right direction.
7. Make sure the heel guide fits snugly against the boot heel.
8. Using the lever, lock the jig around the boot so it holds it without squeezing.



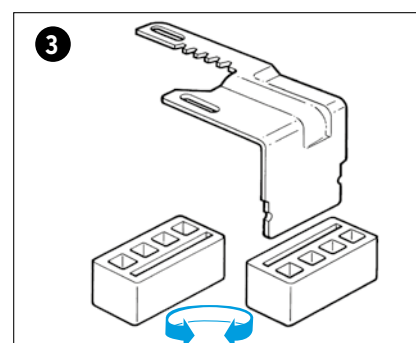
FAT SKIS

Refer to the spare parts catalog to know which jigs and brakes to use according to the different ski widths and binding models.

The reversible pads allow the jig to adapt to different ski widths (**fig. 3**).

Procedure for changing the pads to the other side:

1. Pull the pad off the arm of the jig.
2. Change the pad to the desired position.
3. Insert the pad into the arm of the jig.
4. Repeat this procedure:
- On the other 3 arms for mounting the bindings symmetrically.

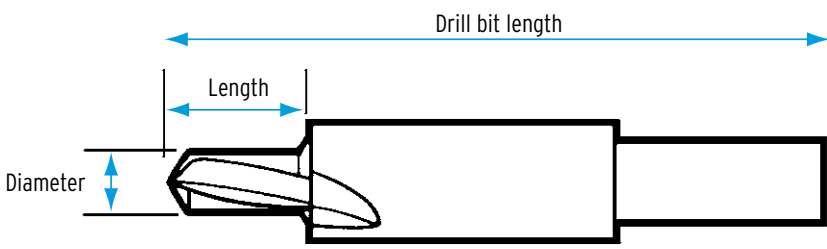




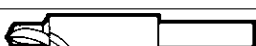
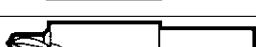
DRILLING

1. Follow the recommendations of the ski manufacturer for drilling and tapping.
When in doubt about the ski's core composition, select a 3.6 mm diameter bit, and drill one hole to see if any metal comes in contact with the bit. If contact is made with metal, re-drill with a 4.1 mm bit.
2. Drill through the jig's proper bushings applying moderate downward pressure on the drill.
Make sure that the countersink bevel on the drill bit has properly deburred the hole.
3. After drilling, turn the ski over and hit the base several times with the palm of your hand to remove any debris from the drilled holes.

DRILLING JUNIOR SKIS

- Use an 8 mm length drill bit to mount the Junior bindings NR C5 GW, NR L6 GW, N L7.
- Whenever junior bindings are mounted on adult skis, there is an increased possibility for binding pull-out due to poor screw retention. The penetration depth of junior screws into the ski core is only 6 mm.
If necessary, use adult screws and drill bits to penetrate any mounting platform.
(For bindings mounted with adult binding screws, the penetration depth is the same.)
- You must drill a hole deep enough to accommodate the screw length you are using or damage to the ski base may result.



Skis	Diameter	Length	Reference	Aspect
Junior Ski Group 3 & 4	4,1 mm	8 mm	000813	
	3,6 mm	8 mm	000814	
Adult Ski Group 1 & 2	4,1 mm	9,5 mm	000893	
	3,6 mm	9,5 mm	000892	

TAPPING

Tapping is usually done when the binding screw will come into contact with metal or in the following cases:

- the material is too hard for a screw,
- when the screw insertion would distort or stress the material holding the screw,
- when recommended by the ski manufacturer.

Failing to tap when necessary can result in top skin or sidewall delamination, broken screws or damage to the ski core.

To use a Armada tap and brace:

1. Position the brace so that the tap goes straight into the drilled hole.
2. Apply only enough pressure on the brace to start the tap. The tap is a self-cutting tool and you have only to turn the brace for the tap to cut its own way into the core.
3. Make 3 1/2 turns.
4. After tapping, turn the ski over and hit the base several times with the palm of your hand to remove any shavings from the hole.

GLUE

Glue must be used when inserting binding screws to:

- lubricate the screw during insertion,
 - create a watertight seal.
- Place a drop of glue on the surface of each hole.

Caution: Armada strongly recommends its own glue for Armada skis.

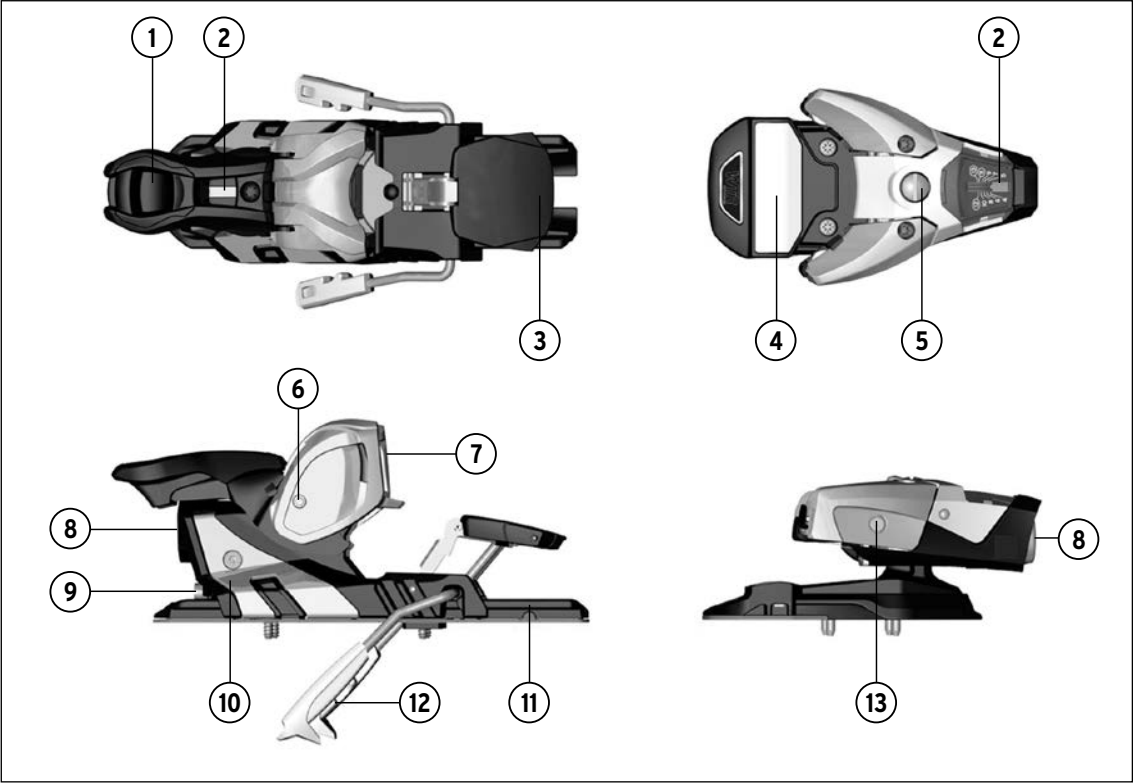
MOUNTING

Follow the mounting procedure and also refer to the section "Special cases in mounting".
A Posidrive® n°3 screwdriver, not a Phillips, must be used to mount Armada bindings. Consult the Armada Spare Parts Catalog for reference on Armada screws.

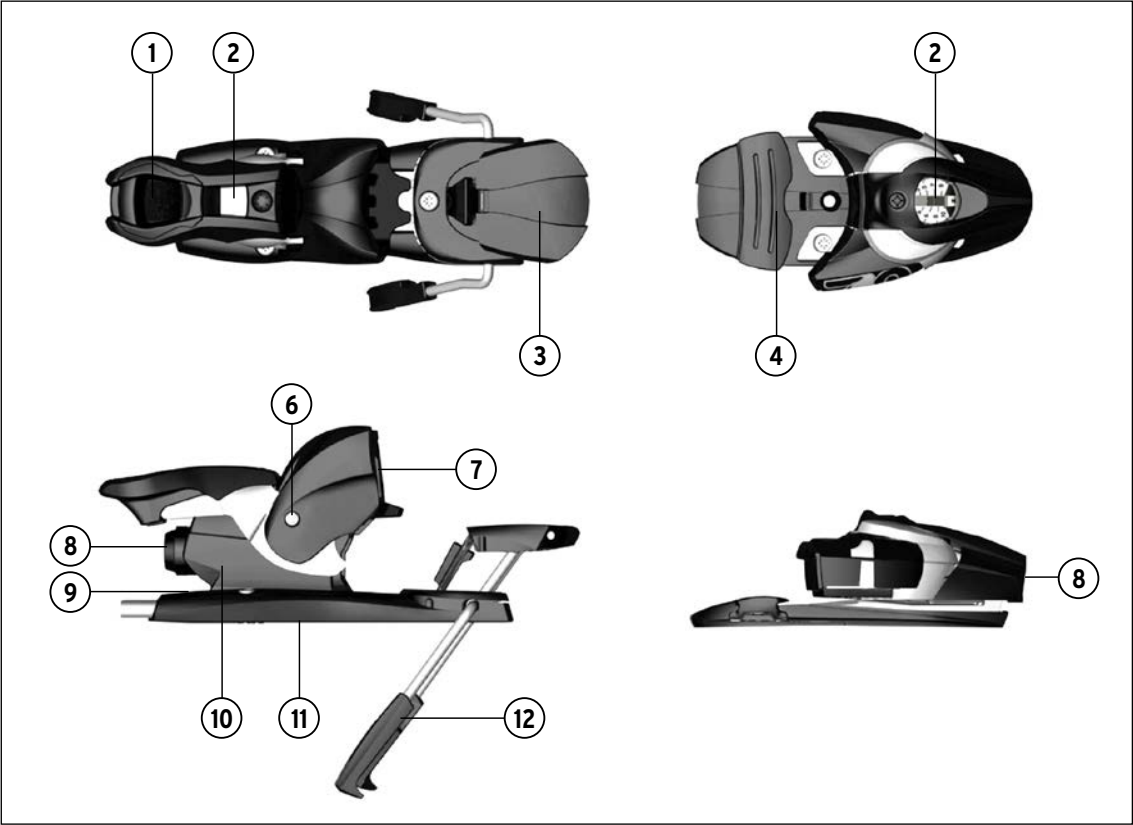
Caution: if a power screwdriver is used, adjust the clutch for the appropriate ski core construction (4 Nm maximum) to avoid stripping the threads.

It is advisable to hand check each screw after mounting.

GENERAL MOUNTING



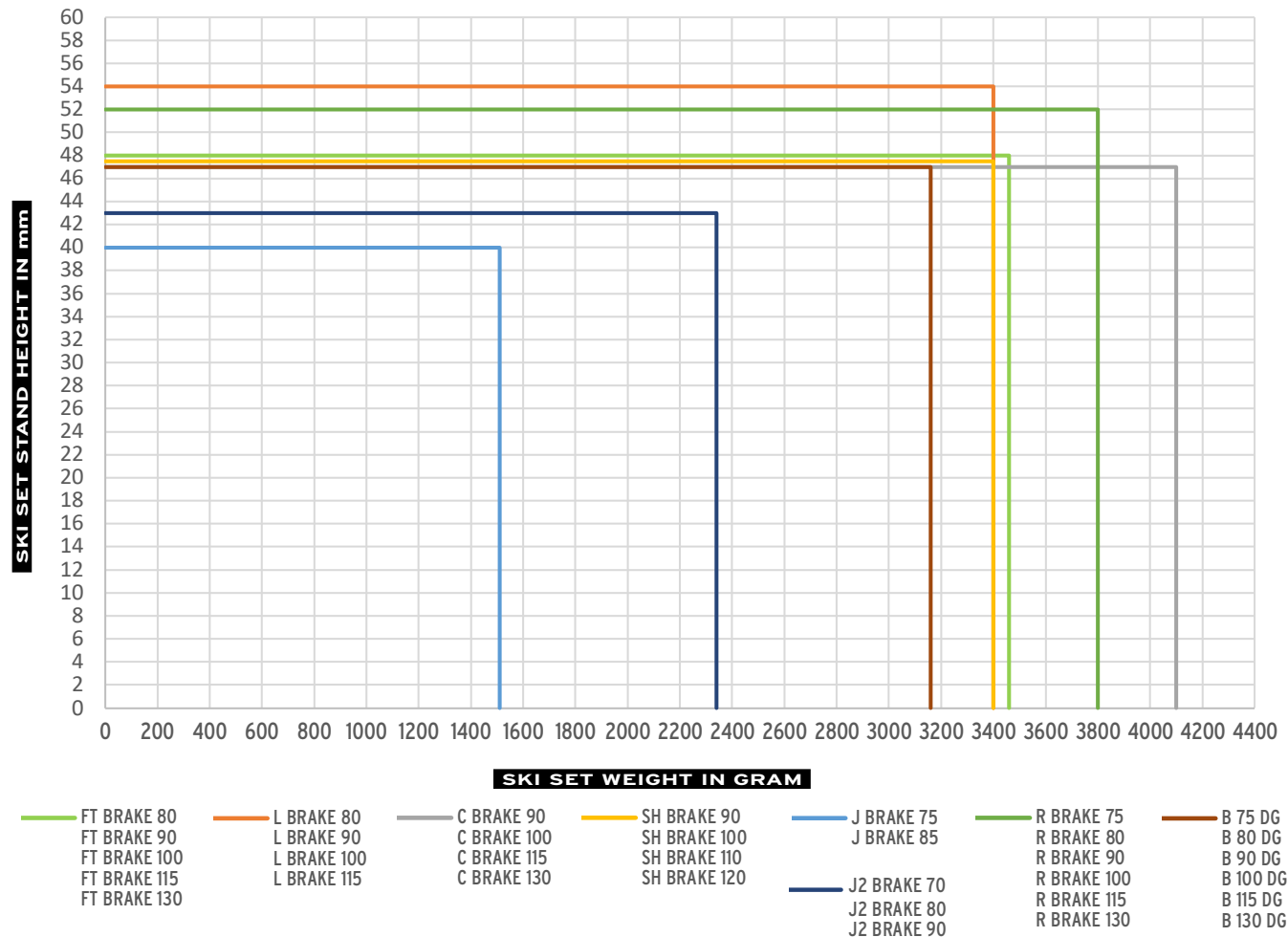
- 1. Heel lever
- 2. Indicator window
- 3. Brake pad
- 4. AFD plate
- 5. Height adjustment screw
- 6. Heel cup axis
- 7. Heel cup
- 8. Release adjustment screw
- 9. Length adjustment
- 10. Heel housing
- 11. Heel plate
- 12. Brake arms
- 13. Wings toe adjustment



BINDING BRAKE MODELS

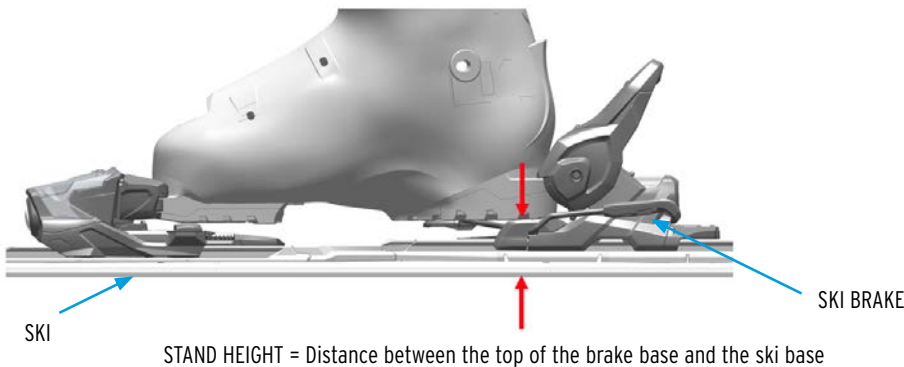
BRAKING CAPACITY

THE BRAKING CAPACITY IS DEPENDENT ON THE WEIGHT AND THE HEIGHT OF THE SKI + BINDING SET. PLEASE, REFER TO THE GRAPH BELOW



This graph indicates for a ski set (1/2 pair ski + plate + binding), the maximum height and weight that the brake can accept. Failure to comply with these values reduces the braking and stopping capacity of your ski set in the event of loss of the ski during use.

STAND HEIGHT DEFINITION



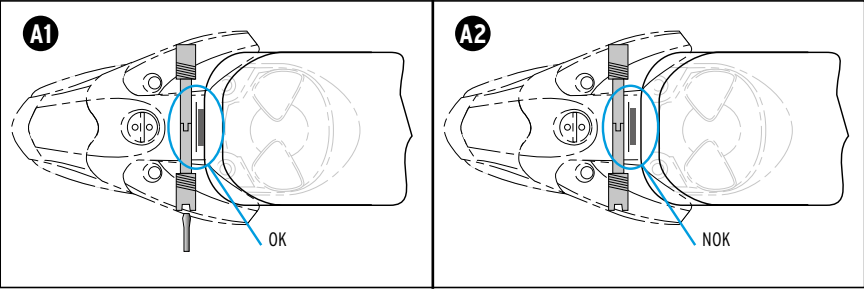
STAND HEIGHT = Distance between the top of the brake base and the ski base

ADJUSTING

Once the binding has been mounted, it is necessary to make the proper binding-to-boot adjustments. All Armada bindings may be closed manually by simply lifting the heel lever. Adjustments must be re-checked every time boots are changed. Use the following procedure.

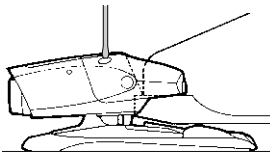
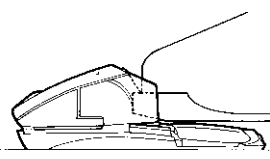
WING ADJUSTMENT

- 1. Manual adjustment (fig. A1):** only one adjustment screw, which is located on the left side of the toe piece.
- Place the boot in the binding (closed position).
 - Loosen the micrometric screws to loosen the wings.
 - Check that the tip of the boot sole is flush against the butt plate (**fig. A2**). This contact is made when the boot has lateral play. Do not over tighten, the boot may no longer be centered.
- 2. Automatic adjustment:** the wings on the toe cup are self-adjusting.



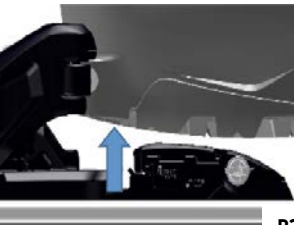
TOE HEIGHT ADJUSTMENT

- With the boot in the binding, raise the toe by turning the adjustment screw, located on top of the toe piece, counter clockwise.
 - Pull the boot back to create a gap between the boot sole and the binding AFD.
 - Lower the toe height by turning the adjustment screw clockwise to obtain the recommended gap (see the following chart (**fig. B1-B2**)).
 - For models with automatic wing and automatic height adjustments: make forward pressure adjustment only. See instructions in following chapters.
- Note:** Always check the forward pressure after making toe adjustments.

MODELS	WING ADJUSTMENT	TOE HEIGHT ADJUSTMENT
WARDEN 13 MNC WARDEN 13 MNC DEMO WARDEN MNC 11 WARDEN MNC 11 DEMO STH ² 13 WTR	 B1	simultaneous Manual Thickness of the mounting instruction sheet
C5 C5 GW L6 GW L10 GW Z12 GW M10 GW L7 L10 LITHIUM 10	 B2	automatic automatic

BINDING AFD HEIGHT ADJUSTMENT

- With the boot in the binding, raise the AFD plate by turning the adjustment screw, located on the side of toe base plate, counter clockwise.
- Pull the boot back to create a gap between the boot sole and the binding AFD pedal.
 - Go up the AFD plate height by turning the adjustment screw clockwise to obtain the recommended gap (see the following chart (fig. B3)).
- Note: Always check the forward pressure after making toe adjustments

MODELS	WING ADJUSTMENT	AFD PLATE ADJUSTMENT
SHIFT MNC 10 & 13	 B3	automatic Manual Thickness of the mounting instruction sheet

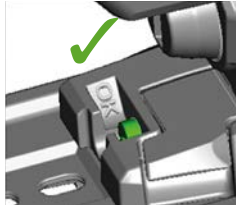
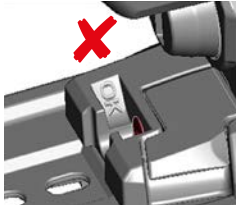
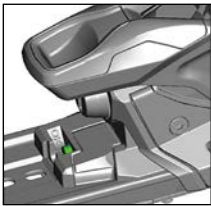
FORWARD PRESSURE ADJUSTMENT

WITH TOOL LESS AND TAB ADJUSTMENT

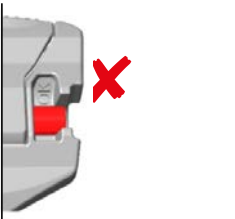
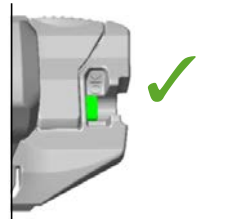
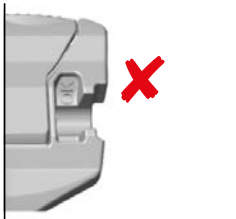
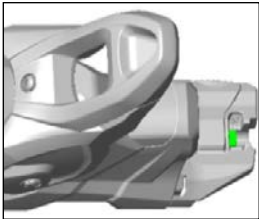
With the boot in the binding (closed position), make sure the arrow. The extremity of the tab for the version without arrow, line up within the scribed area of the heel housing.

If this adjustment is incorrect, remove the boot from the binding, lift the adjustment tab to slide the heel into the desired position. Re-insert the boot to check the adjustment.

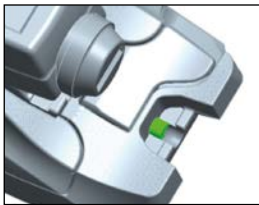
WARDEN MNC 13 DEMO,
WARDEN MNC 11,
WARDEN MNC 11 DEMO,
Z12 WALK/GW,
L10 GW



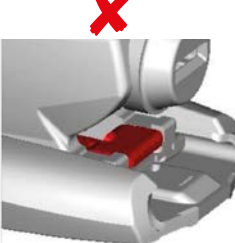
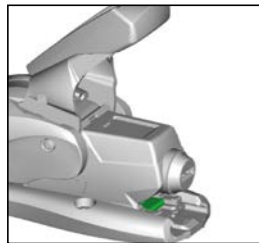
LEISURE TRAK
WITH
M10 GW,
M11 GW



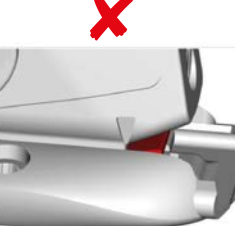
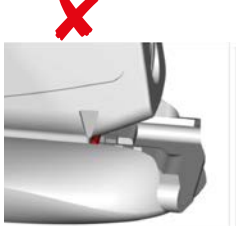
EASYTRAK +,
L L6 GW,
L C5 GW



L & Z



JUNIOR BINDING



BINDING TO BOOT ADJUSTMENTS

WITH SCREW ADJUSTMENT

With the boot in the binding (closed position), adjust the forward pressure to align the top of the head screw with the back of the heel part.

WARDEN MNC 13, STH2 WTR



S LAB SHIFT MNC 10 & 13



BOOTS & BINDING COMPATIBILITIES

BOOT INSPECTION

Most boots are manufactured in accordance with the ISO 5355 standard specification for «Alpine» ski boot dimensions.

Most alpine touring boots are manufactured in accordance with ISO 9523 standard specification for «Alpine Touring» ski boot dimensions.

These standard norms concern not only the shape and dimensions as illustrated below, but also the

friction coefficient of the area of the sole which is in contact with anti-friction plate on the binding. These standards help to ensure compatibility with the binding, according to ISO 9462 and ISO 13992.

Alpine norm ISO 5355: Designed for use with a pair of classic skis with alpine bindings and not with a monoski, snowboard or skiboard.

Touring norm ISO 9523: Designed for use with a pair of touring bindings, and not with alpine bindings, monoski, snowboard or skiboard.

It is the skier's own responsibility if (s)he chooses to take the additional risks.

Your ski boots must be assembled, adjusted, and checked by an authorized dealer.

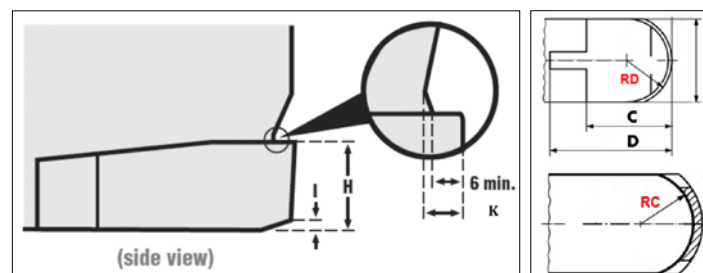
BOOT MODIFICATION

Any performance or fit modification of a boot that could effect the function between the boot and binding should be inspected to verify that

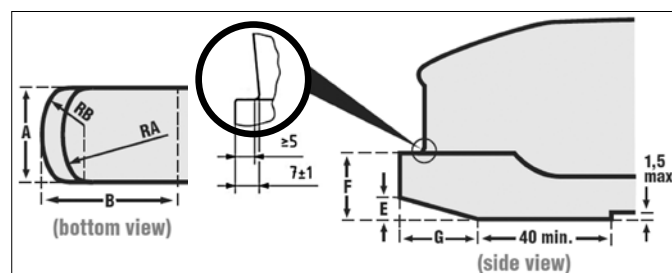
the boot meets Standard Alpine Boots Norms and Touring Boots Norms. Mechanical inspection is recommended after any such modification.

STANDARD BOOT SOLE DIMENSIONS

■ BOOT HEEL



■ BOOT TOE



LEGEND (measurements in mm)

	ALPINE ADULT BOOT DIN - ISO 5355	ALPINE CHILDREN BOOT DIN - ISO 5355	TOURING ADULT BOOT DIN - ISO 9523
A	69 ± 2	62 ± 2	71 ± 6
B	70	65	
C	70	50	≥ 70
D	100 (L < 300mm)	80 (L < 240mm)	
	120 (L ≥ 300mm)	90 (L ≥ 240mm)	
E	5 ± 1	3 ± 1	5 ± 1
F	19 ± 1	16.5 ± 1.5	28 ± 3
G	30 ± 2	25 ± 2	40 ± 10
H	30 ± 1	27.5 ± 2	32 ± 2
I	4 ± 1	3 ± 1	4 ± 1
K	8 ± 1	8 ± 1	8 ± 1
RA	41.5 ± 3.5	35 ± 3	
RB	18 ± 1.5	16 ± 2	
RD	37 ± 4	27 ± 3	
RC	36.25 ± 0.75	34.5 ± 1	

BOOT TO BINDING COMPATIBILITY

Before drilling the ski, be sure the boot you are using is compatible with the binding. Only boots that conform with applicable standards may be used with Armada bindings. If a boot sole is warped, worn or improperly canted, such that there is more than a 1 mm difference in sole flatness measured across its width, the boot is incompatible.

OTHER COMPATIBILITY PROBLEMS YOU MAY ENCOUNTER

- Boot manufacturers who display on the boot one of the following markings: DIN or ISO, guarantee that they use standard norms. In the absence of any of these, check first with the boot manufacturer.
- Cut-outs in the boot sole that prevent the brake from engaging properly.
- Excessive ramping or wear of the boot sole at the point where it contacts the binding. Any wear that inhibits binding function is excessive.

When in doubt, replace the boot.

- Tread, grid pattern or insignia present in the AFD area of the boot sole. This area must be flat over its entire surface.
- Non-compatible boot sole composition. Low-grade thermoplastic (T.P.) boots may not be used with Armada bindings. If you are uncertain as to the quality of the boot sole material, perform the Clean vs. Lubricated Test.

BINDING LOGO	BOOT NORMS	ALPINE SKI BOOTS (ISO 5355)		GRIPWALK SKI BOOTS		WTR SKI BOOTS (ISO 9523)	TOURING SKI BOOTS (ISO 9523)	TOURING SKI BOOTS NO COMPLIANT WITH ISO 9523
	BINDING - DIN MINI	TYPE A (ADULT)	TYPE C (CHILDREN)	TYPE A (ADULT) 	TYPE C (CHILDREN) 	TYPE A (ADULT)	TYPE A (ADULT)	TYPE A (ADULT)
Without any indication/logo	≤ 2	●	●					
	≥ 3	●						
Binding stamped with 	≤ 2		●		●			
Binding stamped with 	≤ 2	●	●	●	●			
	≥ 3	●		●				
Binding stamped with 	> 3	●		●		●		
Binding stamped with 	> 3	●		●		●	●	
PIN Binding	No DIN			●*			●*	

* Bindings with pins require boots with compatible inserts. Consult an authorized dealer

CHILDREN BOOT TO BINDING COMPATIBILITY

Only adult norm boots may be used with adult bindings. Under no circumstances should a children norm boot ever be used with an adult binding.

The added width of an adult norm boot sole somewhat limits the shock absorption capability of these models and they should not be used with a boot sole longer than 304 mm. As a result,

it is recommended that an aggressive junior skier with an adult norm boot sole use a model designed exclusively for adult norm boots.



#1 BINDINGS INTENDED TO BE USED ONLY WITH FOLLOWING SKI BOOTS:

- ▶ ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD
- ▶ SKI BOOTS EQUIPPED WITH “GRIPWALK” PADS



JUNIORTRAK PLATE WITH C5 GW BINDING	23
JUNIORTRAK PLATE WITH L6 GW BINDING	25
EASYTRAK PLATE WITH L10 GW BINDING.....	27
LEISURE TRAK PLATE WITH M10 GW BINDINGS	29
FLEXTRAK PLATE WITH Z12 GW BINDING	31

WARNING
THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:
> Alpine ski boots compliant with ISO 5355 standard.
> Ski boots equipped with « GripWalk » labelled kit of walking soles

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.
Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

JUNIORTRAK PLATE WITH C5 GW BINDING



TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD AND SKI BOOTS EQUIPPED WITH « GRIPWALK » LABELLED KIT OF WALKING SOLES



WARNING

THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:

- > Alpine ski boots compliant with ISO 5355 standard.
- > Ski boots equipped with "GripWalk" and with "GripWalk Junior" labelled kit of walking soles WITHOUT metal inserts

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.

Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

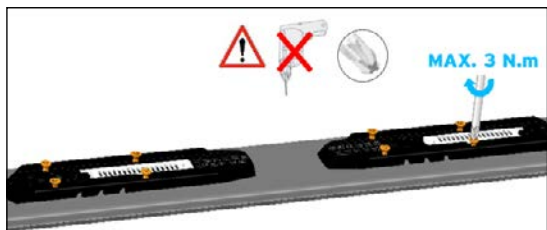
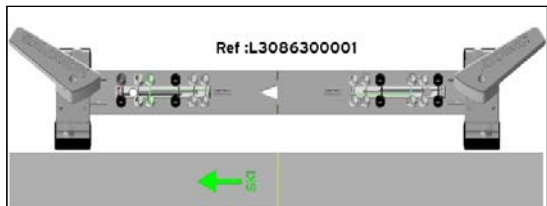
SOLE LENGTH ADJUSTMENT	Size XS (premounted in factory): 197mm - 257mm Size S: 220mm - 304mm
------------------------	---

		ALPINE SKI BOOTS (ISO 5355)		GRIPWALK BOOTS (ISO 9523)		NO NORM
		TYPE A (Adult)	TYPE C (Children)	TYPE A (Adult)	TYPE C (Children)	
BINDING MODELS	C5 GW	●	●	●	●	

MOUNTING & ADJUSTING

1 - For mounting C5 GW binding on skis, holes have to be drilled with the Armada mounting jig (ref 308630001) to ensure a proper alignment of the binding.

Mount the front and the rear plate on ski by tightening the screws at 3 N.m (ski G3&G4)



1

FRONT

REAR

S

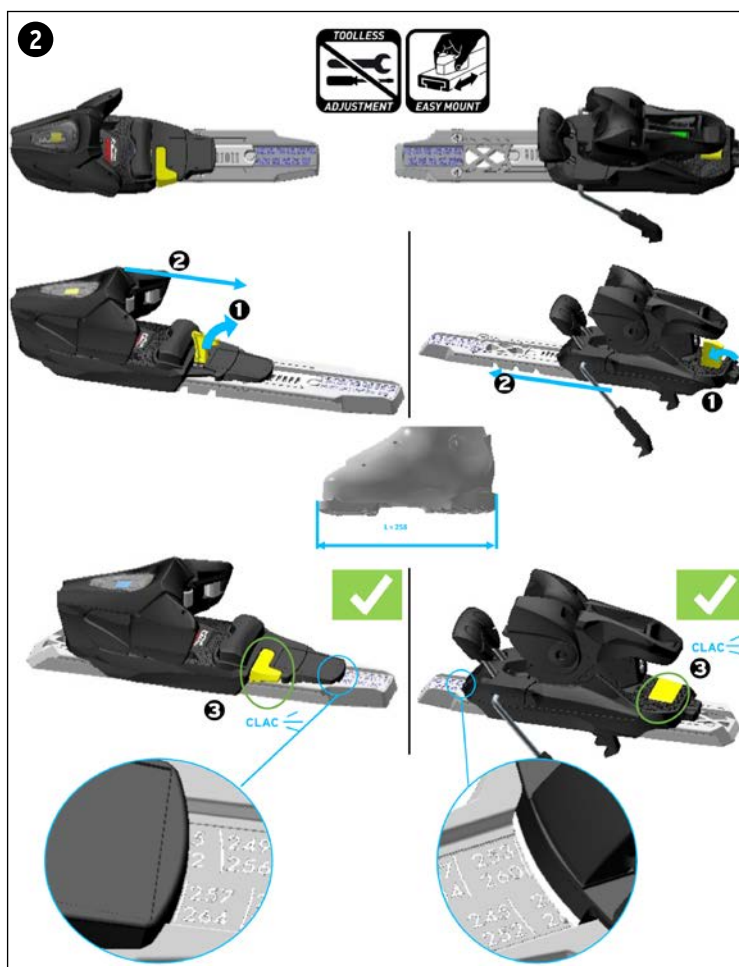
Drill bit length

Skis	Diameter	Length	Reference	Aspect
Junior	4,1 mm	8 mm	000813	
Ski Group 3 & 4	3,6 mm	8 mm	000814	

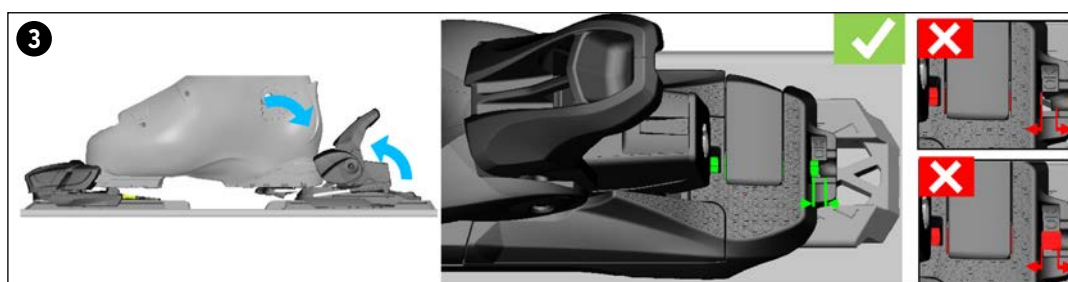
MODEL - SPECIFIC INSTRUCTIONS

>>> JUNIORTRAK PLATE WITH C5 GW BINDING

2. Insert the toe and the heel piece and position on the track according to the boot sole length.

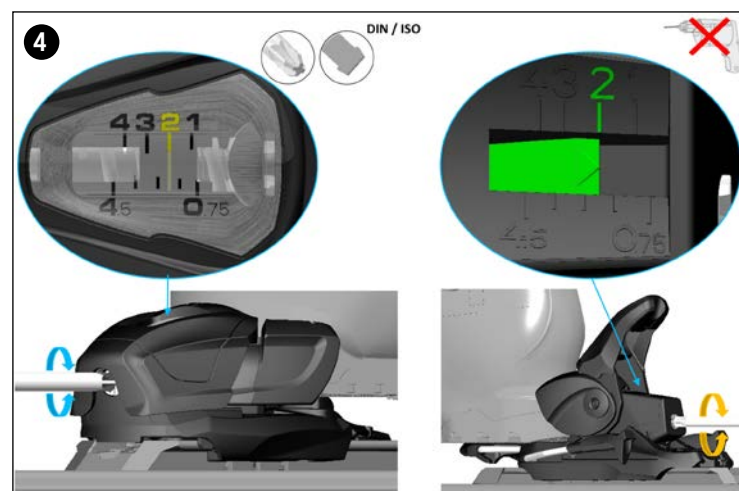


3. Step-in the boot and check the forward pressure.



4. Select and adjust the setting release values for toe and heel pieces.

Concerning the DIN setting of the heel, the end of the green indicator must be aligned with the number.



JUNIORTRAK PLATE WITH L6 GW BINDING



TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD AND SKI BOOTS EQUIPPED WITH « GRIPWALK » LABELLED KIT OF WALKING SOLES



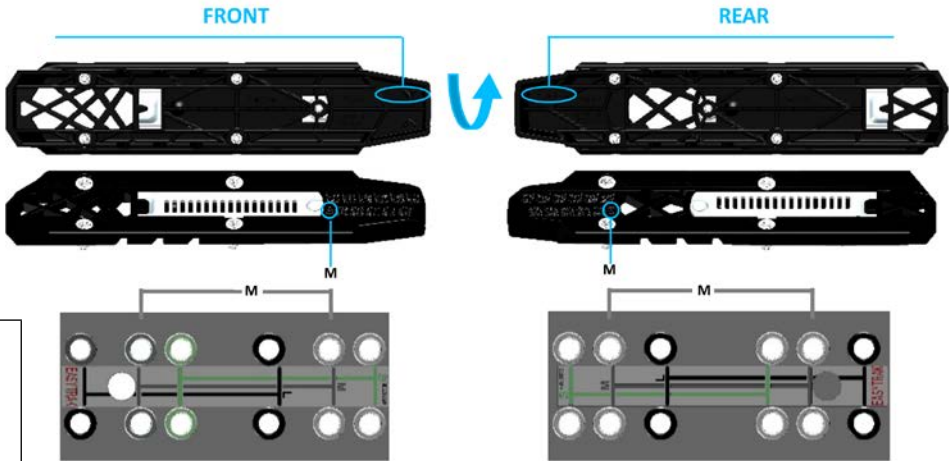
WARNING
THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:
> Alpine ski boots compliant with ISO 5355 standard.
> Ski boots equipped with "GripWalk" and with "GripWalk Junior" labelled kit of walking soles WITHOUT metal inserts

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.
Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

SOLE LENGTH ADJUSTMENT		Size M: 253mm - 336mm		ALPINE SKI BOOTS (ISO 5355)		GRIPWALK BOOTS (ISO 9523)		NO NORM	
				TYPE A (Adult)	TYPE C (Children)	TYPE A (Adult)	TYPE C (Children)		
BINDING MODELS	L6 GW			●	●	●	●		

MOUNTING & ADJUSTING

1 - For mounting L6 GW binding on skis, holes have to be drilled with the Armada mounting jig (ref 30863001) to ensure a proper alignment of the binding.



Skis	Diameter	Length	Reference	Aspect
Junior Ski Group 3 & 4	4,1 mm	8 mm	000813	
	3,6 mm	8 mm	000814	
Adult Ski Group 1 & 2	4,1 mm	9,5 mm	000893	
	3,6 mm	9,5 mm	000892	



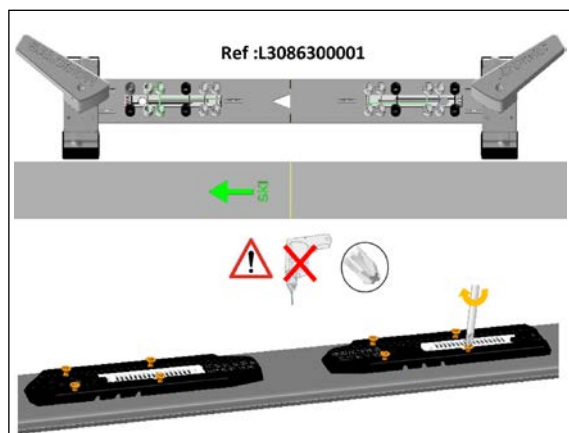
	L
G3&G4	16,5
G1&G2	18,8

>>>

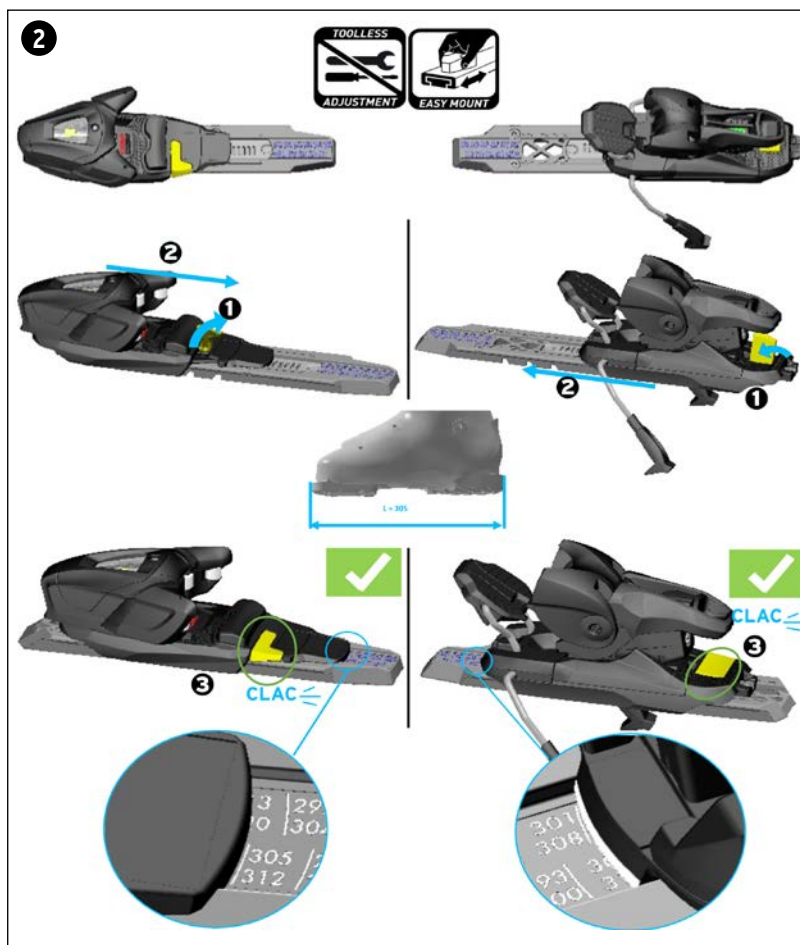
MODEL - SPECIFIC INSTRUCTIONS

>>> JUNIORTRAK PLATE WITH L6 GW BINDING

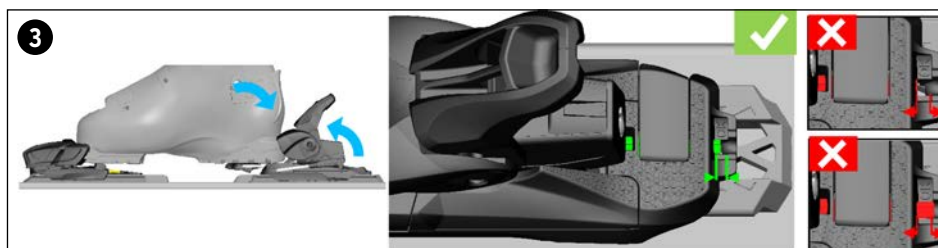
>>> Mount the front and the rear plate on ski by tightening the screws at 4 N.m (ski G1/G2) or 3 N.m (ski G3/G4).



2. Insert the toe and the heel piece and position on the track according to the boot sole length.

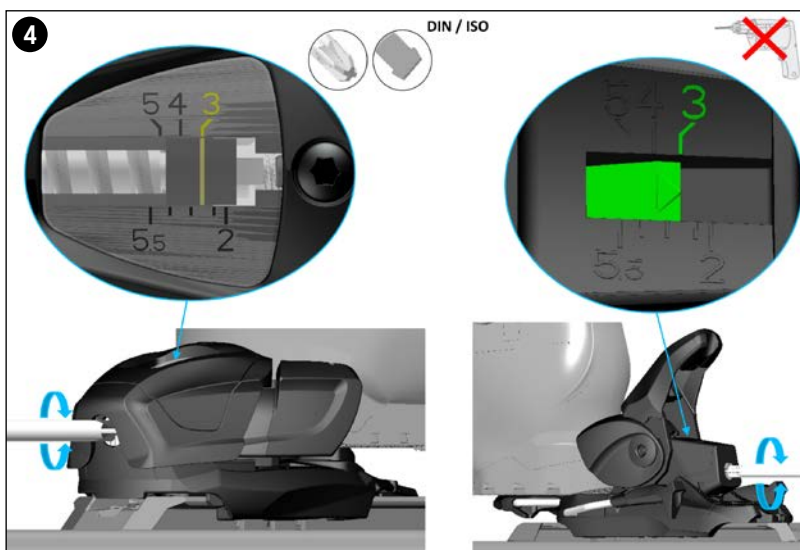


3. Step-in the boot and check the forward pressure.



4. Select and adjust the setting release values for toe and heel pieces.

Concerning the DIN setting of the heel, the end of the green indicator must be aligned with the number



EASYTRAK PLATE WITH L10 GW BINDING



TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD AND SKI BOOTS EQUIPPED WITH « GRIPWALK » LABELLED KIT OF WALKING SOLES



WARNING
THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:
> Alpine ski boots compliant with ISO 5355 standard.
> Ski boots equipped with « GripWalk » labelled kit of walking soles WITHOUT metal inserts

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing. Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

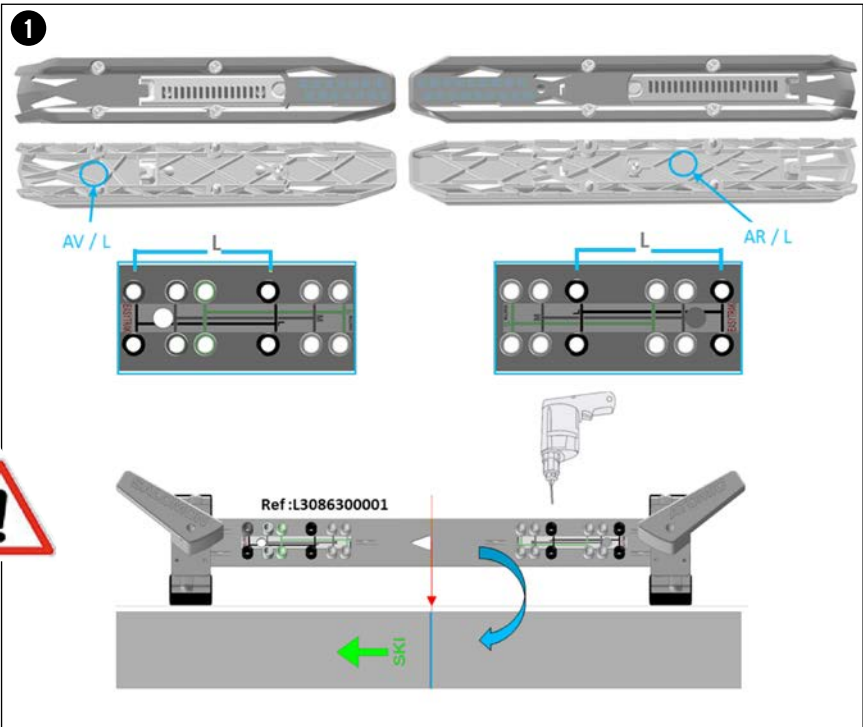
SOLE LENGTH ADJUSTMENT	Ski Woman (W) premounted in factory: 253mm - 320mm / Size L: 257mm - 380mm
------------------------	--

ALPINE SKI BOOTS (ISO 5355)		GRIPWALK BOOTS (ISO 9523)	NO NORM SKI BOOTS
TYPE A (Adult)	TYPE C (Children)		
●	✗	●	✗

MOUNTING & ADJUSTING

1. For mounting Z11 Walk binding on skis, holes have to be drilled with the Armada mounting jig (ref 308630001) to ensure a proper alignment of the binding.

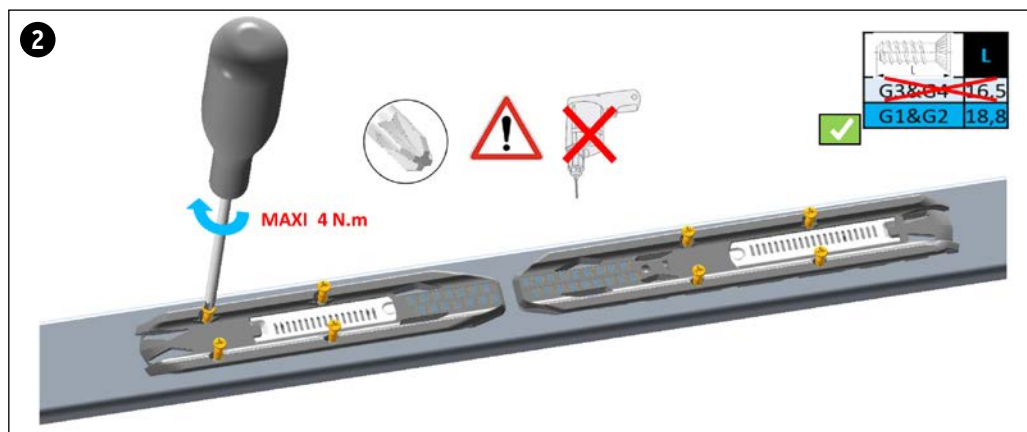
Skis	Diameter	Length	Reference	Aspect
Adult Ski Group 1 & 2	4,1 mm	9,5 mm	000893	
	3,6 mm	9,5 mm	000892	



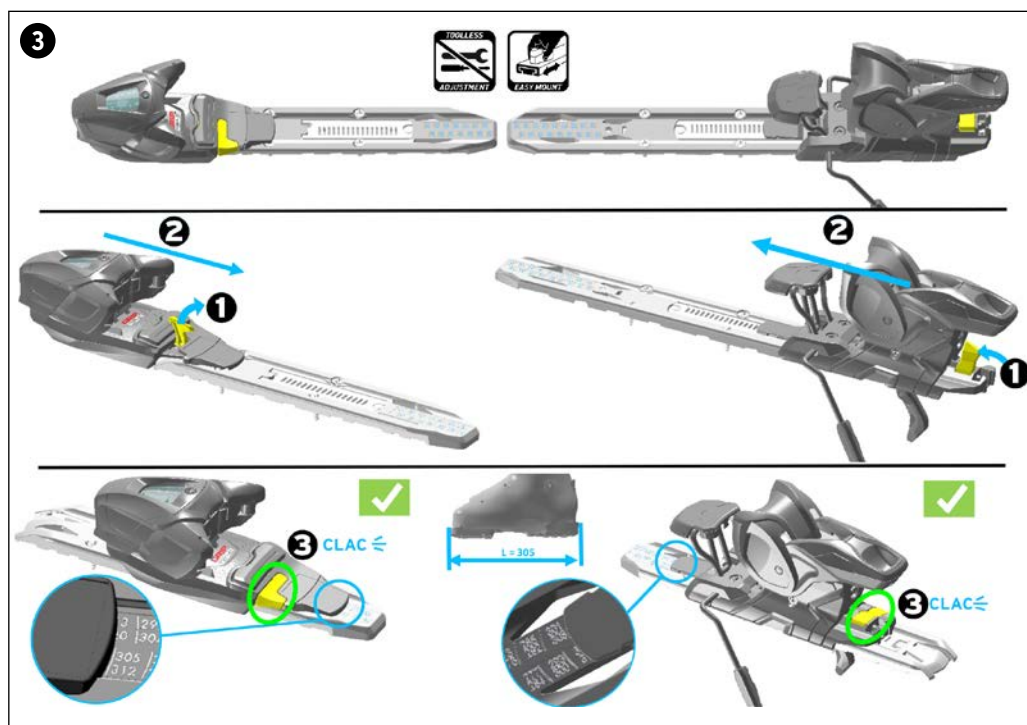
MODEL - SPECIFIC INSTRUCTIONS

>>> EASYTRAK PLATE WITH L10 GW BINDING

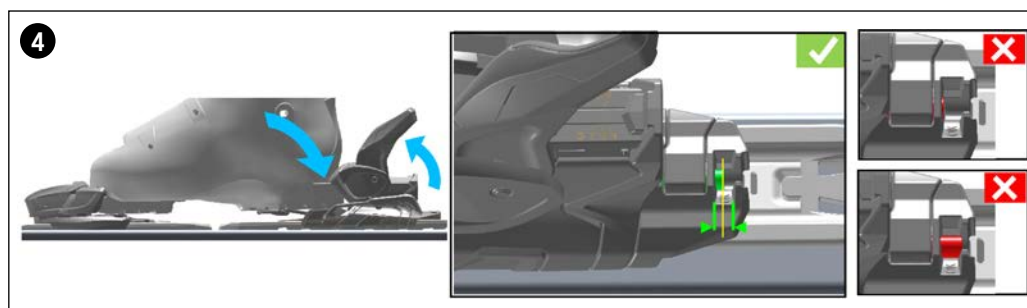
2. Mount the front and the rear plate on ski by tightening the screws at 4 N.m



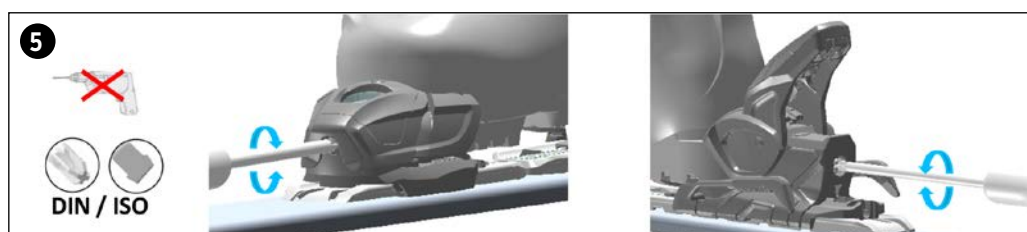
3. Insert the toe and the heel piece and position on the track according to the boot sole length.



4. Step-in the boot and check the forward pressure



5. Select and adjust the setting release values for toe and heel pieces



LEISURE TRAK PLATE WITH M10 GW BINDINGS



TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD AND SKI BOOTS EQUIPPED WITH « GRIPWALK » LABELLED KIT OF WALKING SOLES



WARNING
THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:
> Alpine ski boots compliant with ISO 5355 standard.
> Ski boots equipped with « GripWalk » labelled kit of walking soles WITHOUT metal inserts

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.
Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

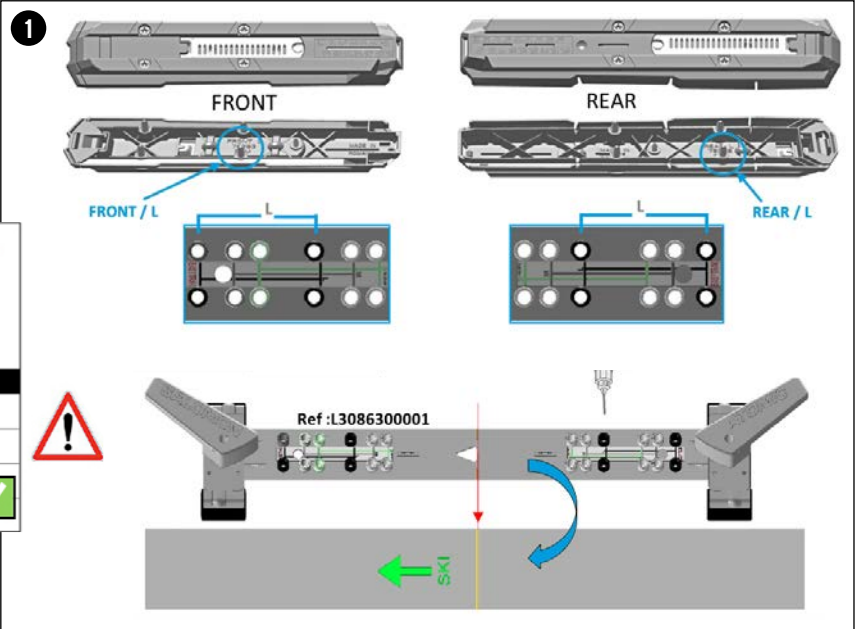
ALPINE SKI BOOTS (ISO 5355)		GRIPWALK BOOTS (ISO 9523)	NO NORM SKI BOOTS
TYPE A (Adult)	TYPE C (Children)		
●	✗	●	✗

SOLE LENGTH ADJUSTMENT	Size M: 253mm - 320mm / Size L: 257mm - 380mm
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MOUNTING & ADJUSTING

1. For mounting M10 GW bindings on skis, holes have to be drilled with the Armada mounting jig (ref 308630001) to ensure a proper alignment of the binding.

Skis	Diameter	Length	Aspect
Junior	3.6 mm	9.5 mm	
Ski Group 3 & 4	4.1 mm	9.5 mm	
Adult	4.1 mm	9.5 mm	
Ski Group 1 & 2	3.6 mm	9.5 mm	



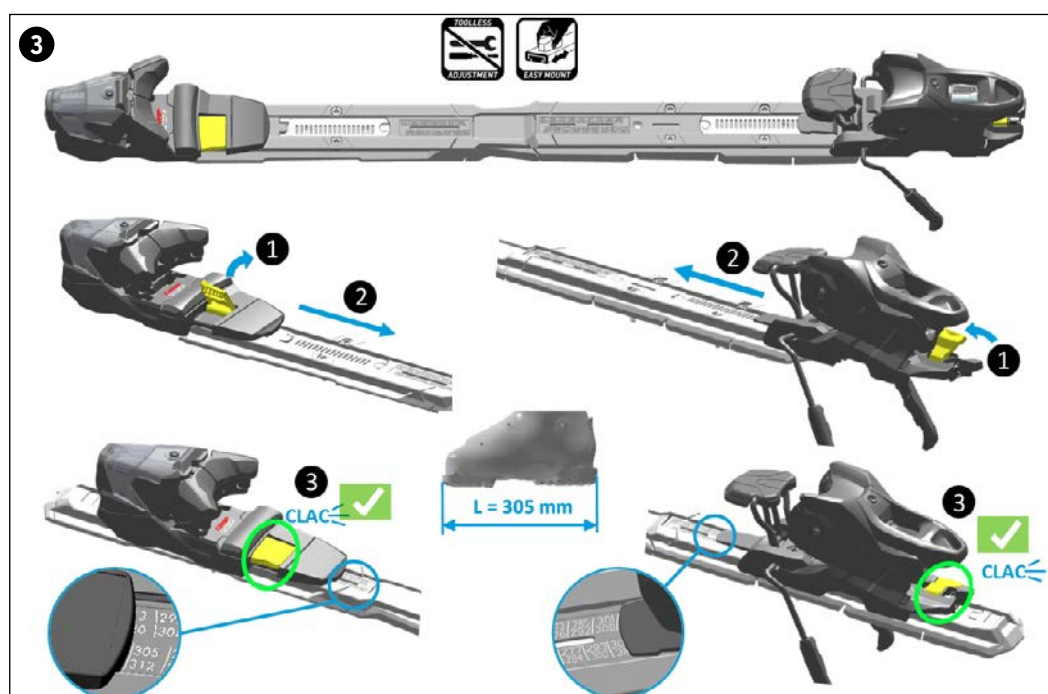
MODEL - SPECIFIC INSTRUCTIONS

>>> LEISURE TRAK PLATE WITH M10 GW BINDINGS

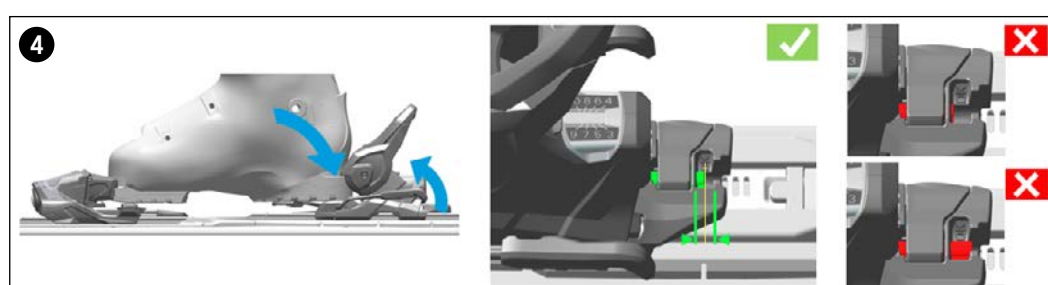
2. Mount the front and the rear plate on ski by tightening the screws at 4 N.m



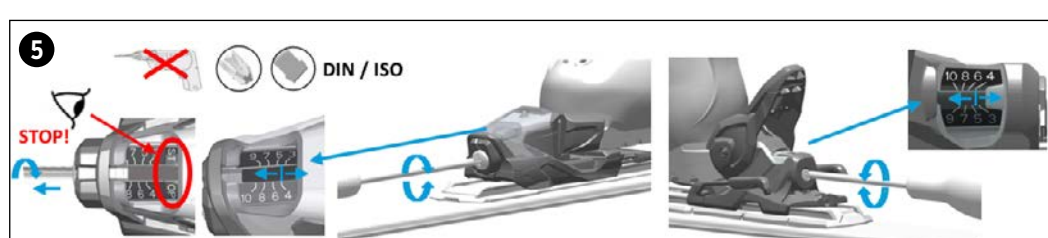
3. Insert the toe and the heel piece and position on the track according to the boot sole length.



4. Step-in the boot and check the forward pressure. The forward pressure must be in the "OK" area.



5. Select and adjust the setting release values for toe and heel pieces.



FLEXTRAK PLATE WITH Z12 GW BINDING



TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD AND SKI BOOTS EQUIPPED WITH « GRIPWALK » LABELLED KIT OF WALKING SOLES



WARNING
THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:
> Alpine ski boots compliant with ISO 5355 standard.
> Ski boots equipped with « GripWalk » labelled kit of walking soles WITHOUT metal inserts

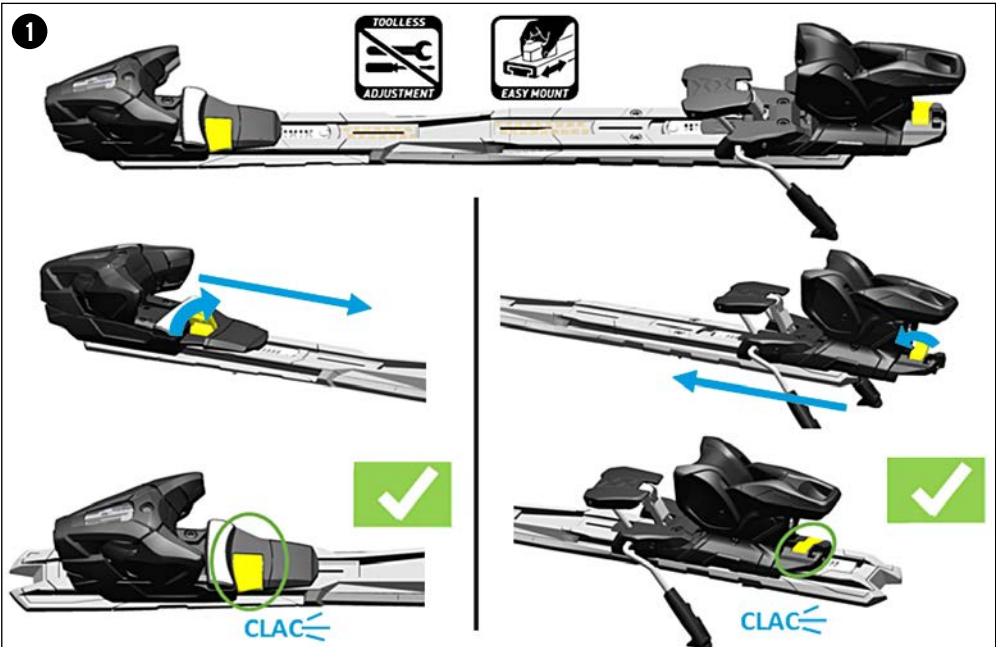
Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing. Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

SOLE LENGTH ADJUSTMENT	257mm - 380mm
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ALPINE SKI BOOTS (ISO 5355)		GRIPWALK BOOTS (ISO 9523)	NO NORM SKI BOOTS
TYPE A (Adult)	TYPE C (Children)		
●	✗	●	✗

MOUNTING & ADJUSTING

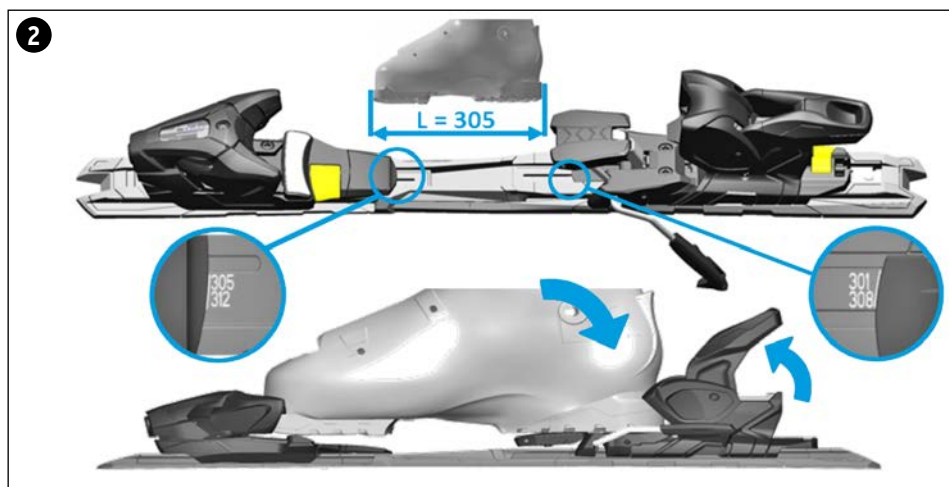
1. Insert the toe and the heel piece and position on the track according to the boot sole length.



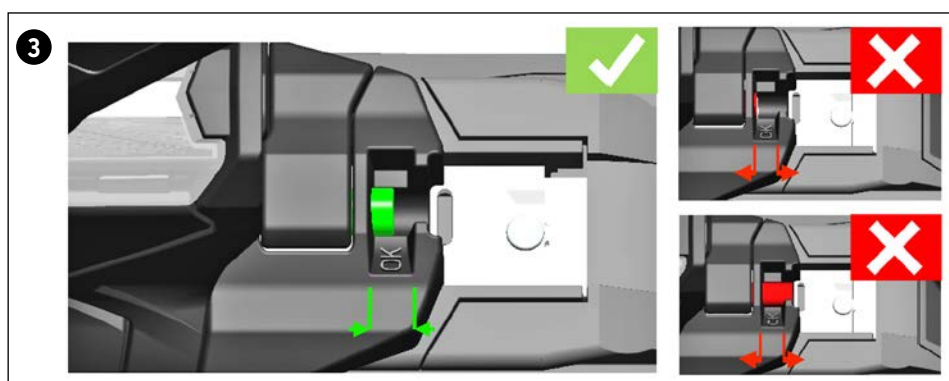
MODEL - SPECIFIC INSTRUCTIONS

>>> FLEXTRAK PLATE WITH Z12 GW BINDING

2. Boot sole length adjustment.



3. Step-in the boot and check the forward pressure.



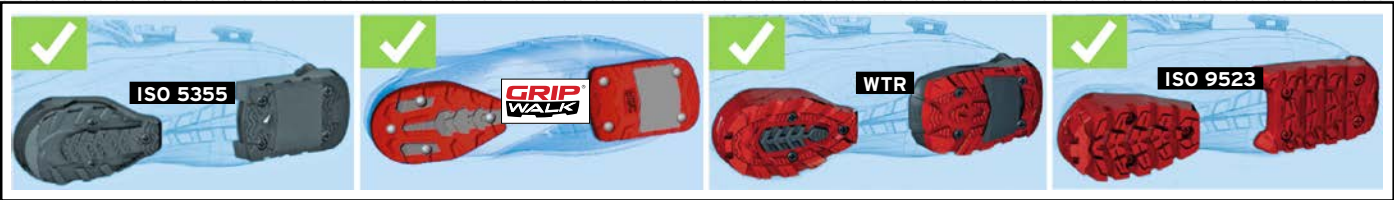
4. Select and adjust the setting release values for toe and heel pieces





#2 MNC (MULTI-NORM CERTIFIED) BINDINGS ARE INTENDED TO BE USED WITH FOLLOWING SKI BOOTS:

- ▶ ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD
- ▶ TOURING BOOTS COMPLIANT WITH ISO 9523 STANDARD
- ▶ SKI BOOTS EQUIPPED WITH “WTR TECHNOLOGY” PADS OR WITH “GRIPWALK” PADS



WARDEN MNC 11 DEMO BINDING	34
WARDEN MNC 11 BINDING	36
WARDEN MNC 13 DEMO BINDING	38
WARDEN MNC 13 BINDING	40
S LAB SHIFT MNC 10 & 13 BINDING	42

WARNING
THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:
▶ Alpine ski boots compliant with ISO 5355 standard.
▶ Touring boots compliant with ISO 9523 standard
▶ Ski boots equipped with “WTR technology” pads or with “GRIPWALK” pads

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.
Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.



WARDEN MNC 11 DEMO BINDING

TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD, TOURING BOOTS COMPLIANT WITH ISO 9523 STANDARD, SKI BOOTS EQUIPPED WITH "WTR TECHNOLOGY" PADS OR WITH "GRIPWALK" PADS



WARNING

THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:

- > Alpine ski boots compliant with ISO 5355 standard.
- > Touring boots compliant with ISO 9523 standard
- > Ski boots equipped with "WTR technology" pads or with "GRIPWALK" pads

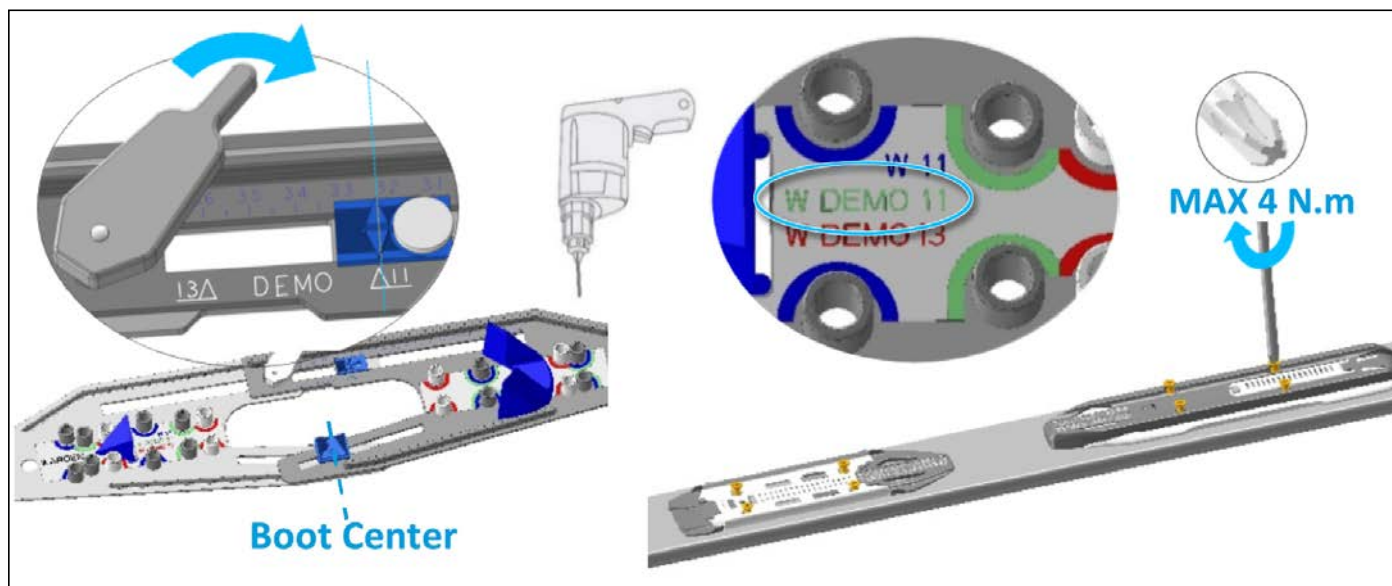
Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.

Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

SOLE LENGTH ADJUSTMENT	262mm - 382mm
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MOUNTING & ADJUSTING

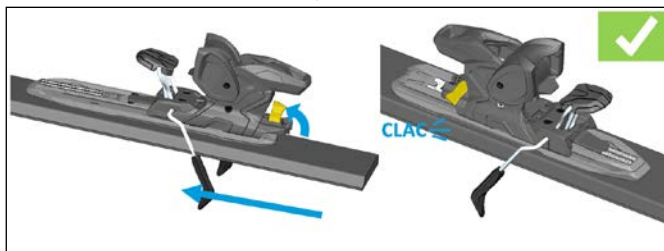
- For mounting Warden 11 MNC DEMO binding on skis, holes have to be drilled with the Armada mounting jig (ref 39109101) to ensure a proper alignment of the binding. Mount the front and the rear plate on ski by tightening the screws at 4 N.m ▼



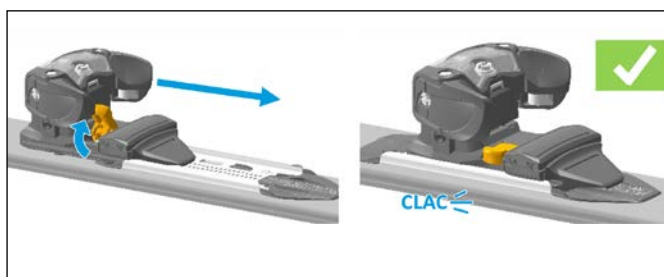
MODEL - SPECIFIC INSTRUCTIONS

>>> WARDEN MNC 11 DEMO BINDING

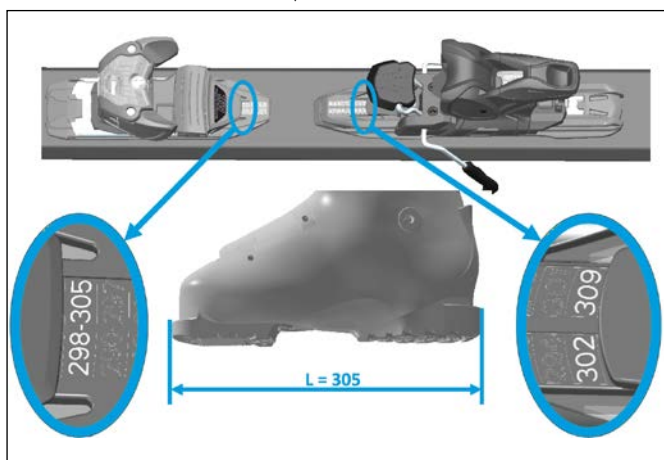
2. Insert the heel and brake piece from the back and position on the plate according to the boot sole length. ▼



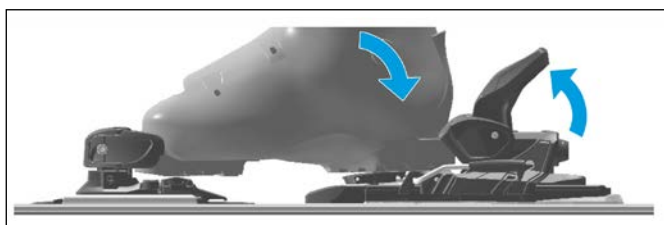
3. Insert the toe piece from the front and position on the plate according to the boot sole length. ▼



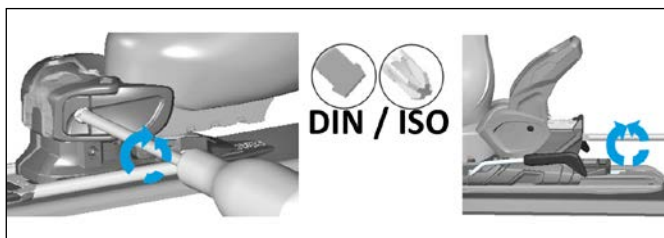
4. Boot sole length adjustment. ▼



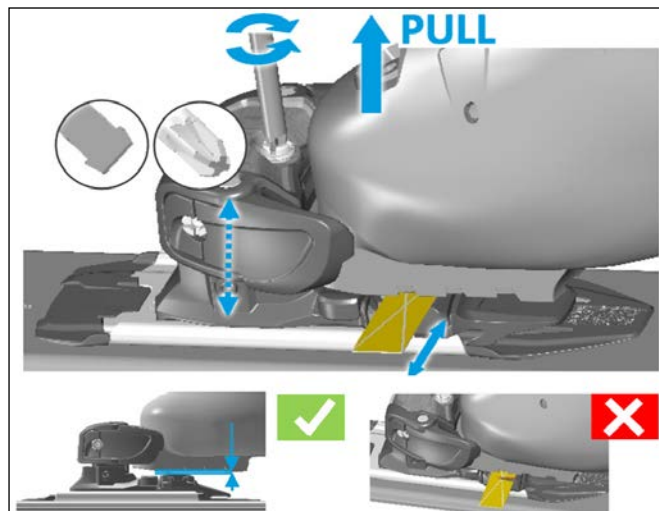
5. Step in the boot. ▼



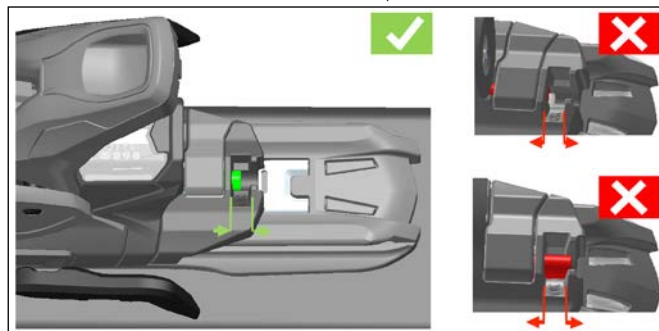
6. Select and adjust the setting release values for toe and heel pieces. ▼



7. Adjust the toe height with adjustment screw until to create a gap of the thickness of the mounting instruction sheet between the boot sole and the binding. ▼



8. Check and adjust the forward pressure. ▼

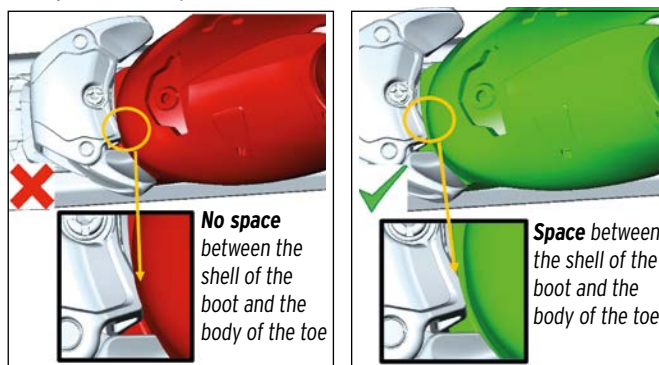


9. In case of adjustment with touring boots compliant with ISO 9523 standard, paste sticker on each skis. ▼



BINDING CALIBRATION ON RELEASE TEST MACHINE

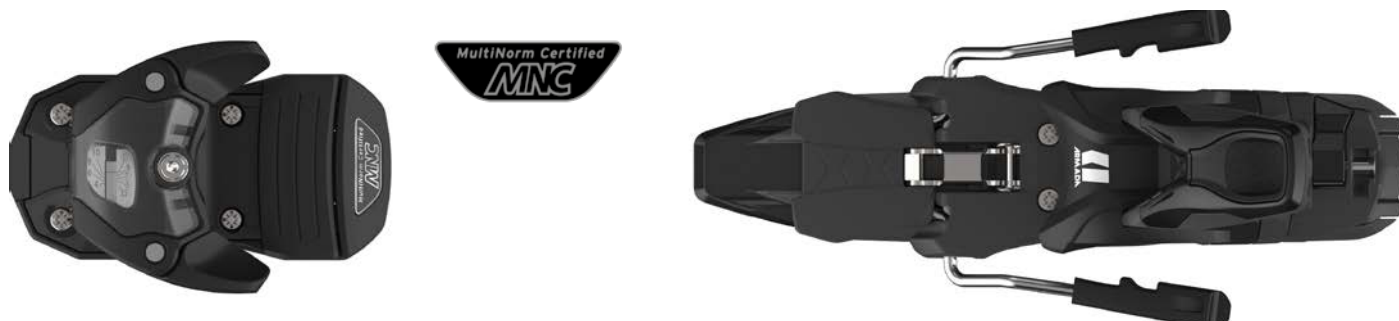
For lateral release testing, please check that the shell of the boot does not rub against the body of the toe.





WARDEN MNC 11 BINDING

TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD, TOURING BOOTS COMPLIANT WITH ISO 9523 STANDARD, SKI BOOTS EQUIPPED WITH "WTR TECHNOLOGY" PADS OR WITH "GRIPWALK" PADS



WARNING

THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:

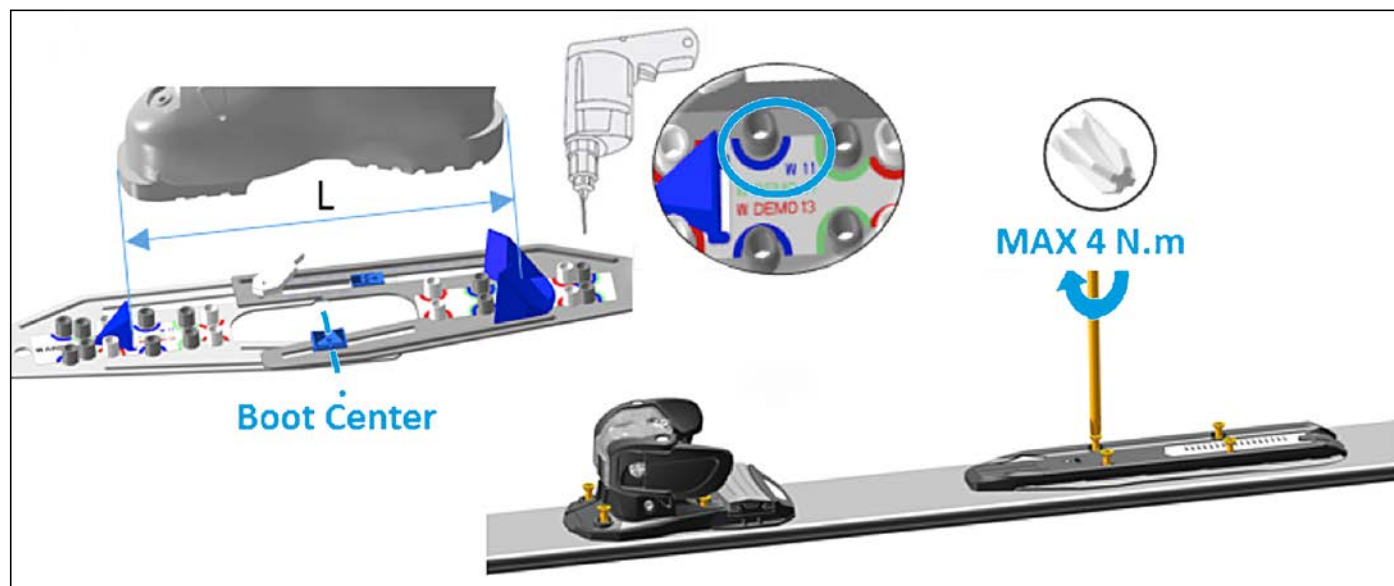
- > Alpine ski boots compliant with ISO 5355 standard.
- > Touring boots compliant with ISO 9523 standard
- > Ski boots equipped with "WTR technology" pads or with "GRIPWALK" pads

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.

Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

MOUNTING & ADJUSTING

1. For mounting Warden MNC 11 binding on skis, holes have to be drilled with the Armada mounting jig (ref 39109101) to ensure a proper alignment of the binding. Mount the toe piece and the rear plate on ski by tightening the screws at 4 N.m ▼



MODEL - SPECIFIC INSTRUCTIONS

>>> WARDEN MNC 11 BINDING

2. Insert the heel and brake piece from the back position on the plate according to the boot sole length. ▼



3. Step in the boot. ▼



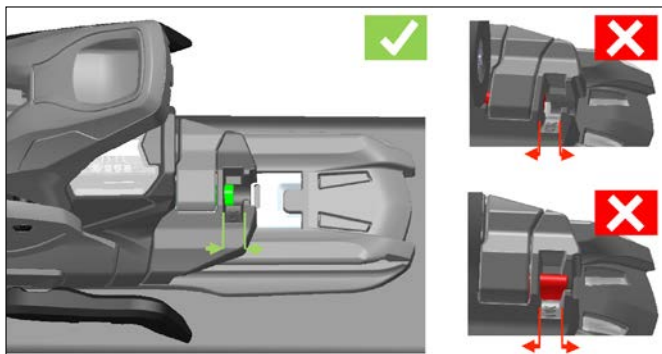
4. Select and adjust the setting release values for toe and heel pieces. ▼



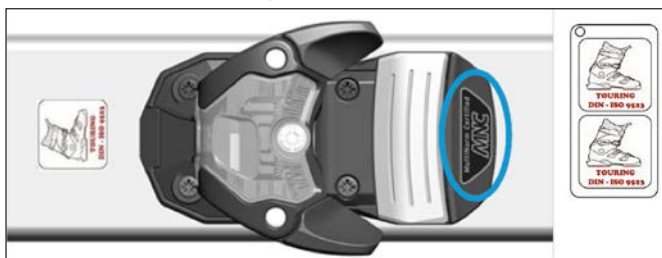
5. Adjust the toe height with adjustment screw until to create a gap of the thickness of the mounting instruction sheet between the boot sole and the binding. ▼



6. Check and adjust the forward pressure. ▼

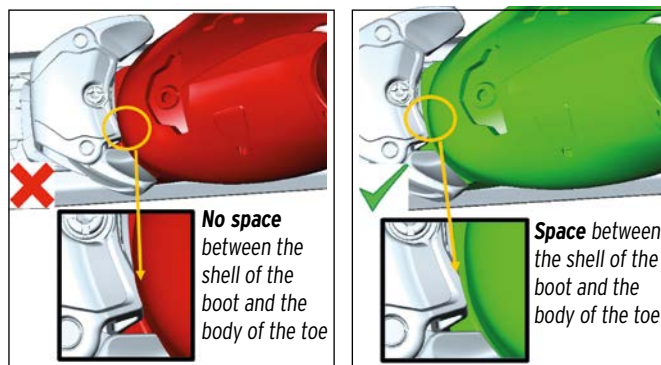


7. In case of adjustment with touring boots compliant with ISO 9523 standard, paste sticker on each skis. ▼



BINDING CALIBRATION ON RELEASE TEST MACHINE

For lateral release testing, please check that the shell of the boot does not rub against the body of the toe.





WARDEN MNC 13 DEMO BINDING

TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD, TOURING BOOTS COMPLIANT WITH ISO 9523 STANDARD, SKI BOOTS EQUIPPED WITH "WTR TECHNOLOGY" PADS OR WITH "GRIPWALK" PADS



WARNING

THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:

- > Alpine ski boots compliant with ISO 5355 standard.
- > Touring boots compliant with ISO 9523 standard
- > Ski boots equipped with "WTR technology" pads or with "GRIPWALK" pads

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.

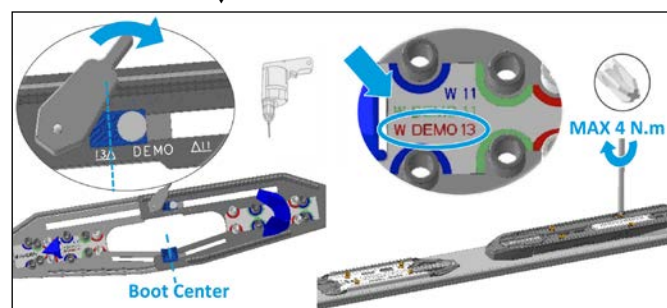
Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

SOLE LENGTH ADJUSTMENT

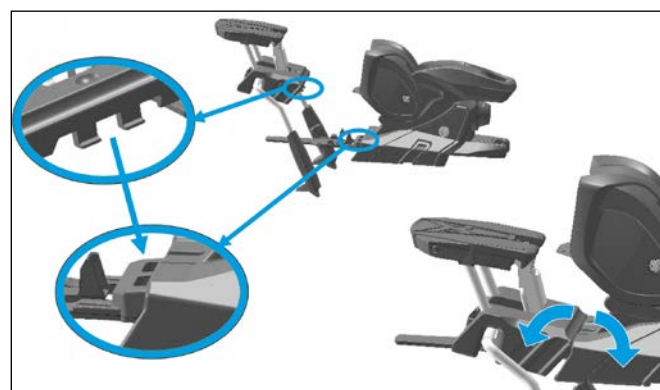
262mm - 382mm

MOUNTING & ADJUSTING

- For mounting Warden 13 MNC DEMO binding on skis, holes have to be drilled with the Armada mounting jig (ref 39109101) to ensure a proper alignment of the binding. Mount the toe piece and the rear plate on ski by tightening the screws at 4 N.m. ▼



- Assemble the ski brake with the heel piece. ▼



>>>

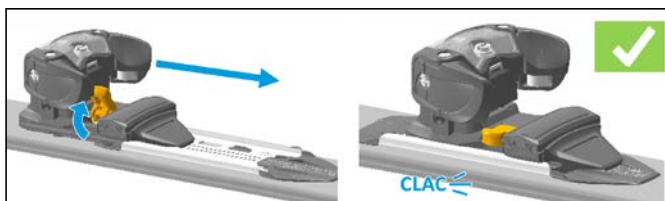
MODEL - SPECIFIC INSTRUCTIONS

>>> WARDEN MNC 13 DEMO

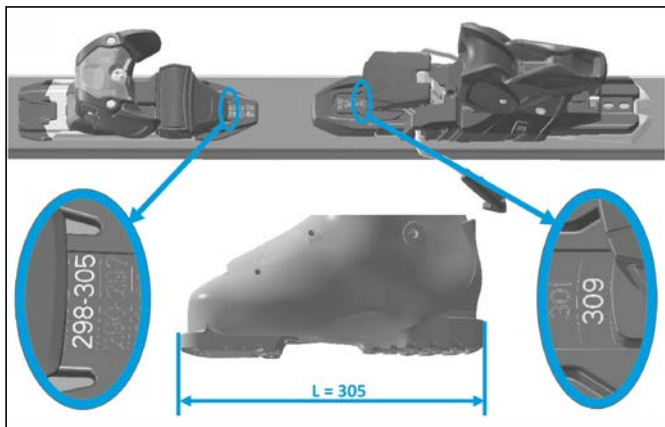
3. Insert the heel and brake piece from the back and position on the plate according to the boot sole length. ▼



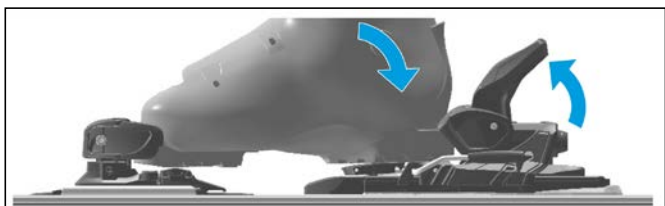
4. Insert the toe piece from the front and position on the plate according to the boot sole length. ▼



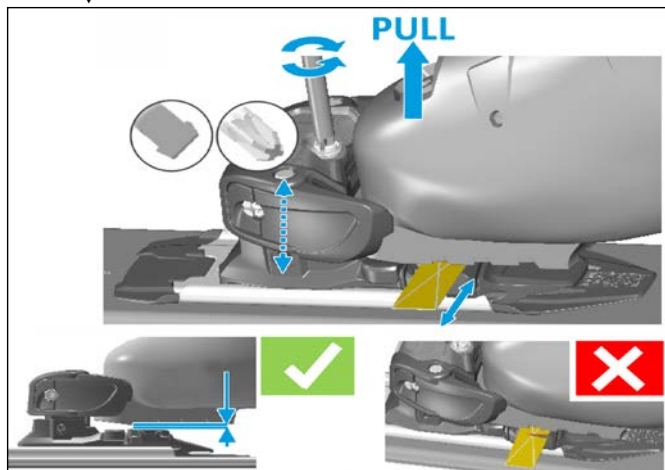
5. Boot sole length adjustment. ▼



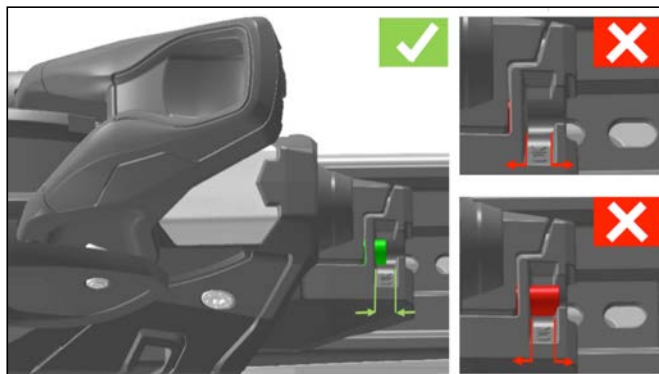
6. Step in the boot. ▼



7. Adjust the toe height with adjustment screw until to create a gap of the thickness of the mounting instruction sheet between the boot sole and the binding. ▼



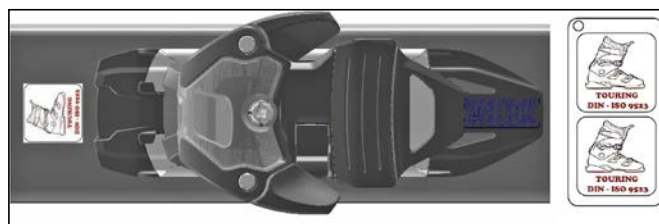
8. Check and adjust the forward pressure. ▼



9. Select and adjust the setting release values for toe and heel pieces. ▼

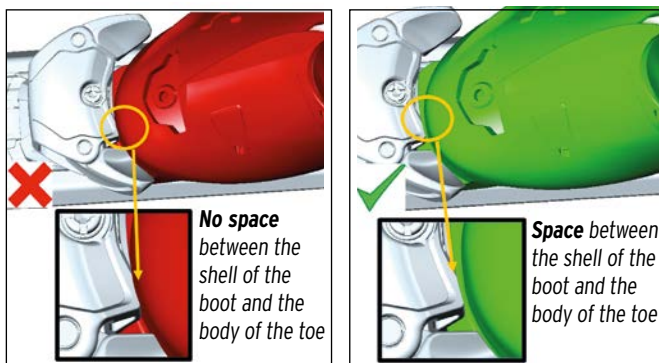


10. In case of adjustment with touring boots compliant with ISO 9523 standard, paste sticker on each skis. ▼



BINDING CALIBRATION ON RELEASE TEST MACHINE

For lateral release testing, please check that the shell of the boot does not rub against the body of the toe.





WARDEN MNC 13 BINDING

TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD, TOURING BOOTS COMPLIANT WITH ISO 9523 STANDARD, SKI BOOTS EQUIPPED WITH "WTR TECHNOLOGY" PADS OR WITH "GRIPWALK" PADS



WARNING

THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:

- > Alpine ski boots compliant with ISO 5355 standard.
- > Touring boots compliant with ISO 9523 standard
- > Ski boots equipped with "WTR technology" pads or with "GRIPWALK" pads

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.

Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

MOUNTING & ADJUSTING PROCEDURE

1. Use the Armada mounting jig (ref 3298160001) to ensure a proper alignment of the binding. Drill the skis following the ski and binding manufacturer's instructions. Mount the toe piece and the rear plate on the ski by tightening the screws at 4 N.m (check if rear plate is correctly mounted).



MODEL - SPECIFIC INSTRUCTIONS

>>> **WARDEN MNC 13 BINDING**

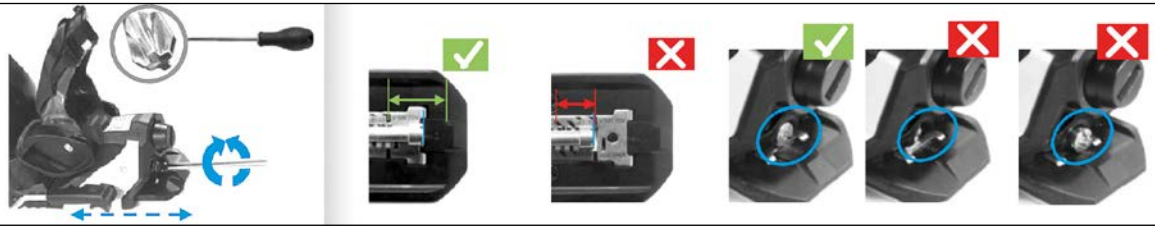
2. Assemble the ski brake with the heel piece



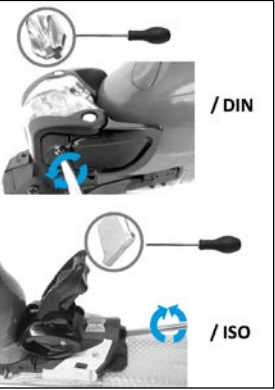
3. From the center of ski, insert the heel piece on the rear plate and adjust at the "mid" position with screwdriver.



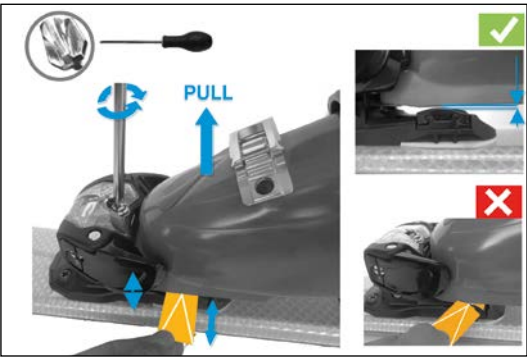
4 Step in the ski boot in the binding. Check and adjust the forward pressure.



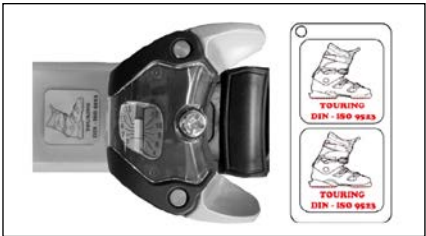
5. Select and adjust the setting release values for toe and heel pieces.



6. Adjust the toe height with adjustment screw until to create a gap of the thickness of the mounting instruction sheet between the boot sole and the binding.

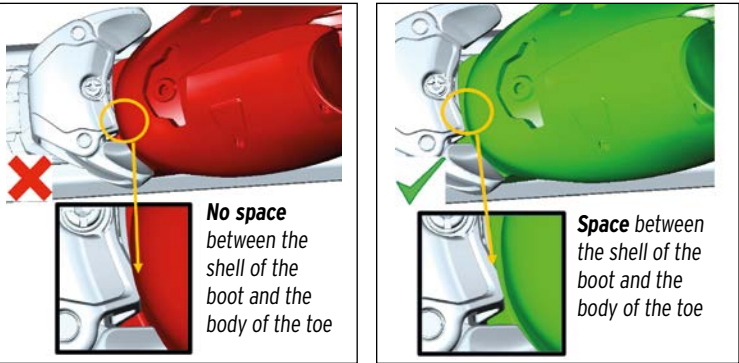


7. In case of adjustment with touring boots compliant with ISO 9523 standard, paste sticker on each ski.



BINDING CALIBRATION ON RELEASE TEST MACHINE

For lateral release testing, please check that the shell of the boot does not rub against the body of the toe.





SHIFT MNC 10 & 13 BINDING

TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



BINDINGS INTENDED TO BE USED ONLY WITH ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD, TOURING BOOTS COMPLIANT WITH ISO 9523 STANDARD, SKI BOOTS EQUIPPED WITH "WTR TECHNOLOGY" PADS OR WITH "GRIPWALK" PADS



WARNING

THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:

- > Alpine ski boots compliant with ISO 5355 standard.
- > Touring boots compliant with ISO 9523 standard
- > Ski boots equipped with "WTR technology" pads or with "GRIPWALK" pads

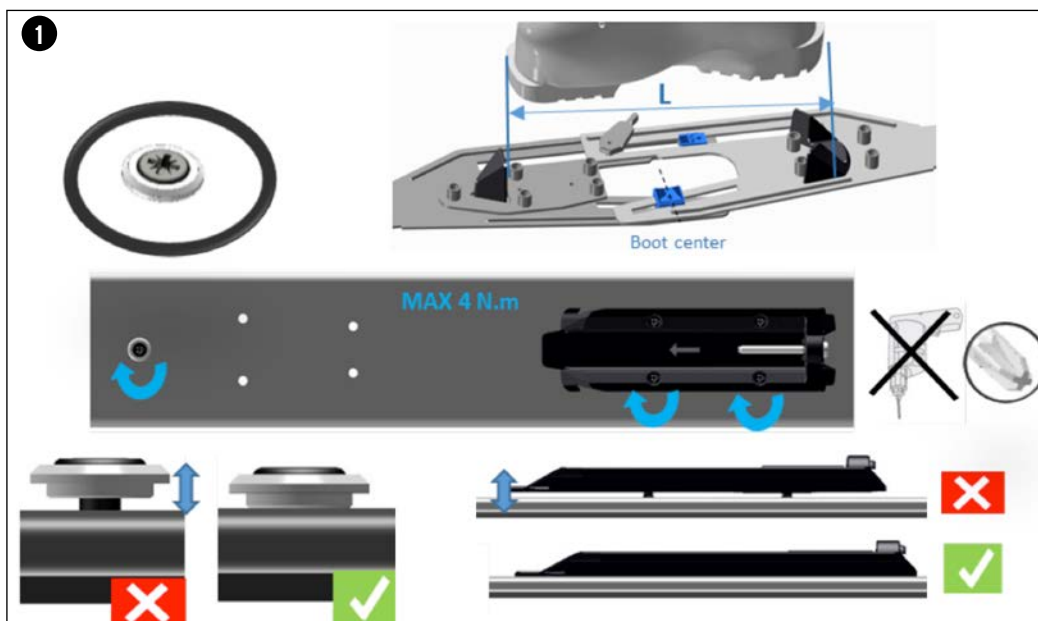
Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.

Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.

MOUNTING & ADJUSTING PROCEDURE

1. For mounting Shift MNC binding on skis, holes have to be drilled with the Armada mounting jig (ref 39894701) to ensure a proper alignment of the binding.

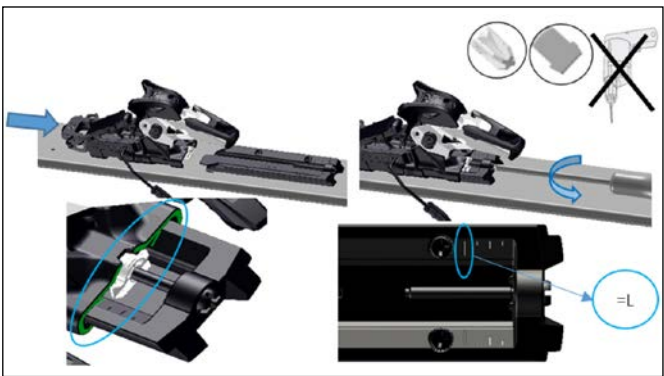
Mount the toe piece and the rear plate on ski by tightening the screws at 4 N.m.



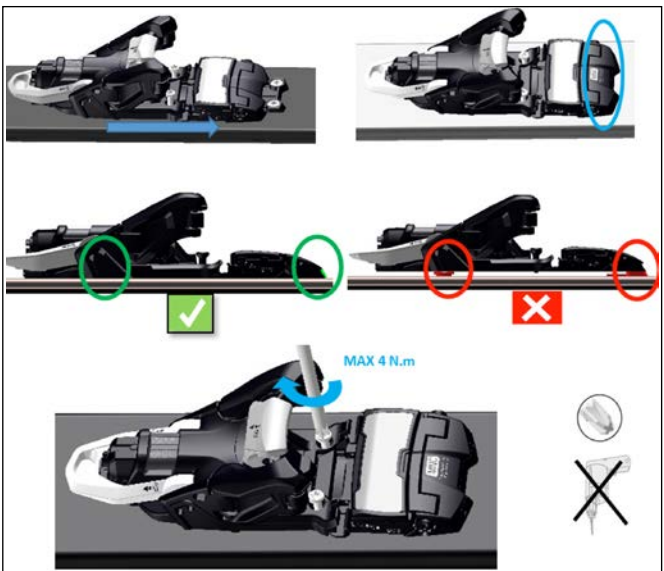
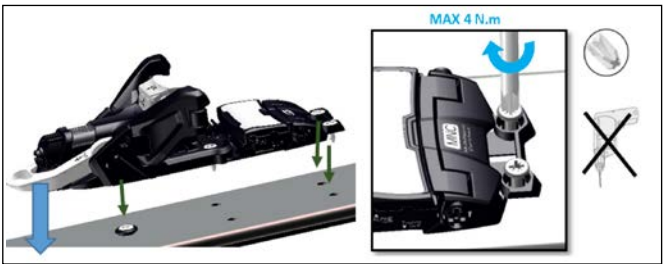
2. Assemble the ski brake with the heel piece.



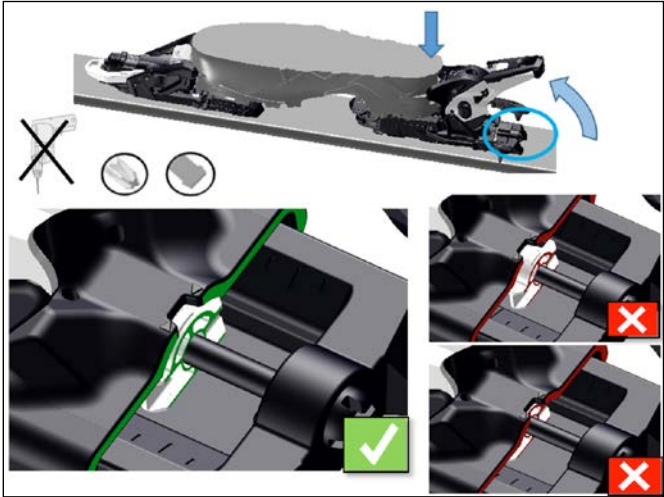
3. From the center of the ski, insert the heel and brake piece on rear plate and aligned the heel with the 1st graduation according to the boot sole length.



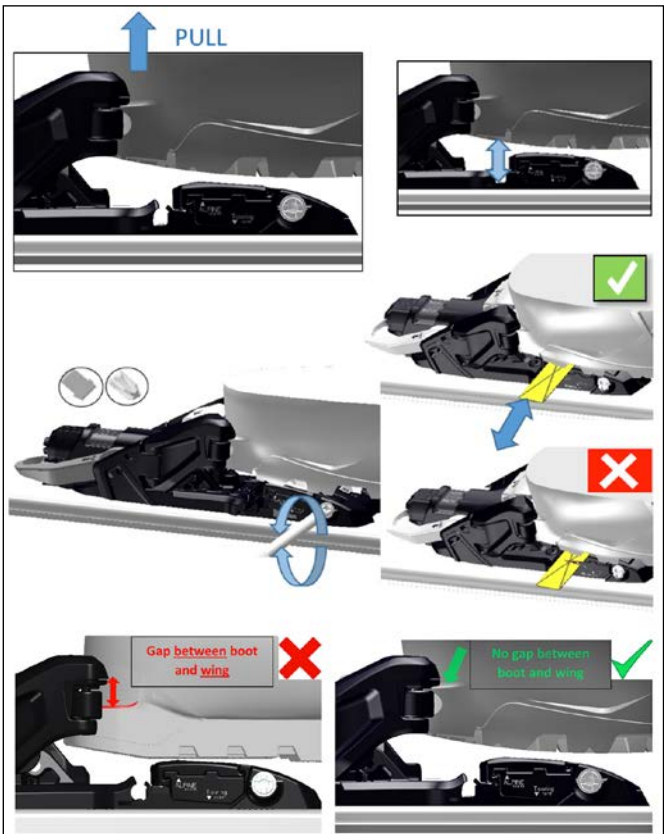
4. Mount the toe piece on ski by tightening the screws at 4 N.m. Check that the toe is correctly mounted.



5. Step-in the boot, check and adjust the forward pressure.



6. Adjust the toe height with adjustment screw until to create a gap of the Thickness of the mounting instruction sheet between the boot sole and the binding



7. Select and adjust the setting release values for toe and heel pieces.



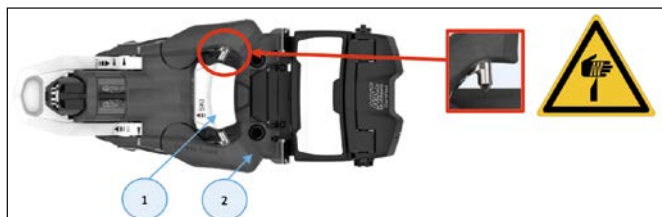
MODEL - SPECIFIC INSTRUCTIONS

8. Binding calibration on Montana machine

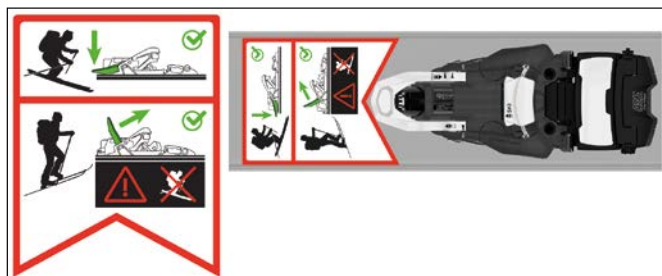
- a- Completely close all the boot buckles
 - b- Take the ski with your left hand and place it down onto the bench tip facing left and with the far edge side first into the centering unit.
 - c- For vertical and lateral release testing, use the touring strap for the heel and not the automatic metal lever.
- For thin skis, use additional downholder.



! For toe calibration, please to be careful not to pinch your fingers between the central part (1) and the wing (2) during the release.



9. When mounting the binding make sure that you fit the enclosed stickers to the ski. Explain to the skier the different lever position for mode "WALK" and "SKI". (To refer to the "Warning - the user guide" linked to the heel).



In "SKI" mode, the lever must be locked in horizontal position.



In "WALK" mode, the lever must be locked in vertical position.



MAINTENANCE AND REPAIR

LUBRICATION

The bindings should be regularly lubricated with the Armada grease reference L0009050001.

See lubrication points on brake and heel part below:

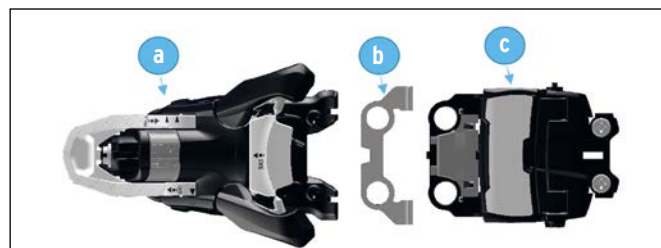


SLIDING PEDAL REPLACEMENT

In case of sliding pedal replacement, please to follow below instructions:

1. The toe is constituted of 3 components:

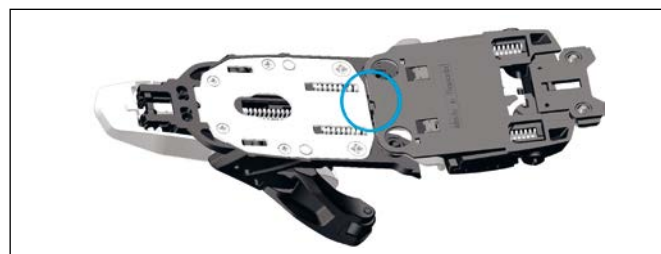
- a. The toe
- b. The crampon runner
- c. The sliding pedal



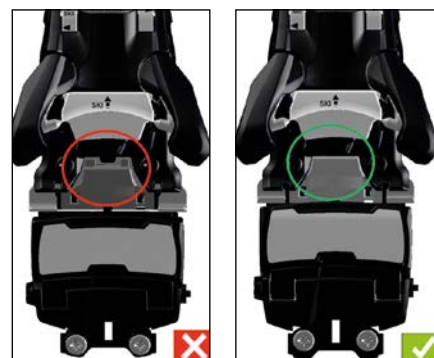
2. Take the sliding pedal in hand and lift up the rubber part (d) before inserting the crampon runner.



3. Link the sliding pedal to the toe by the back side



4. Check that the rubber part is correctly assembled.





#3 WTR BINDINGS ARE INTENDED TO BE USED ONLY WITH FOLLOWING SKI BOOTS:

- ▶ **ALPINE BOOTS COMPLIANT WITH ISO 5355 STANDARD**
- ▶ **SKI BOOTS EQUIPPED WITH “WTR TECHNOLOGY” PADS OR WITH GRIPWALK PADS**



STH2 BINDING “WTR” TECHNOLOGY 46

WARNING
THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:

- ▶ Alpine ski boots compliant with ISO 5355 standard
- ▶ Ski boots equipped with “WTR technology” pads or with Gripwalk pads

Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.
Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.



STH2 BINDING "WTR" TECHNOLOGY

TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



WARNING

THESE ALPINE BINDINGS ARE INTENDED TO BE USED ONLY WITH THE FOLLOWING SKI BOOTS:

- Alpine ski boots compliant with ISO 5355 standard

AND

- Ski boots equipped with « WTR technology » or « Gripwalk » labelled kit of walking soles.

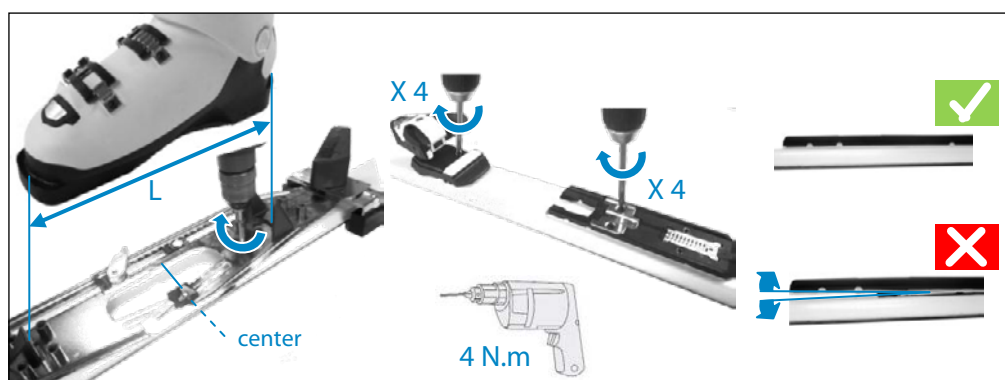
Any use with other ski boots could cause the ski-binding-boot system to be faulty and affect release characteristics, which would increase the risk of serious injury while skiing.

Therefore, skiers are warned not to use this product with any ski boots other than those meeting the standards indicated above. Skiers are advised to consult the dealer where this product was purchased, or an equipment specialist at any ARMADA authorized ski dealer of this product, for further information regarding which ski boots meet the standards listed above.



MOUNTING & ADJUSTING PROCEDURE

- 1 - Use the Armada mounting jig (ref : 32981601) and drill the skis following the ski and binding manufacturer's instructions. Mount the toe piece and the rear plate on the ski by tightening the screws at 4 N.m (check if rear plate is correctly mounted).



- 2 - Assemble the ski brake with the heel piece.



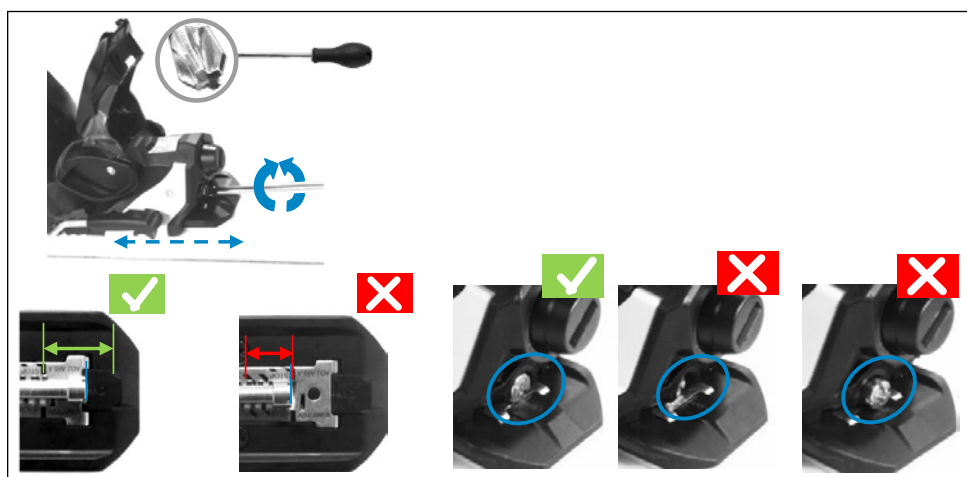
MODEL - SPECIFIC INSTRUCTIONS

>>> STH2 BINDING "WTR" TECHNOLOGY

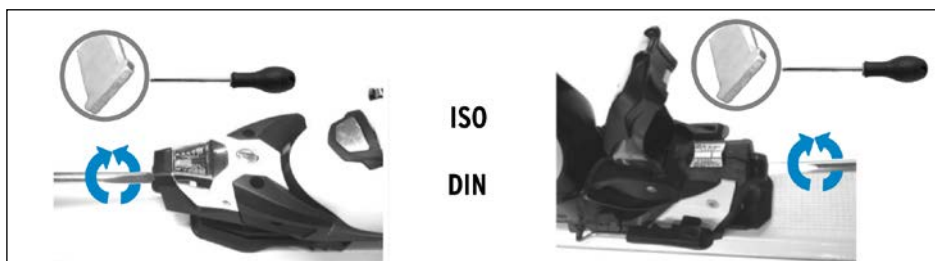
- 3 - From the center of ski, insert the heel piece on the rear plate and adjust at the "mid" position with a screwdriver.



- 4 - Step in the ski boot in the binding, check and adjust the forward pressure.



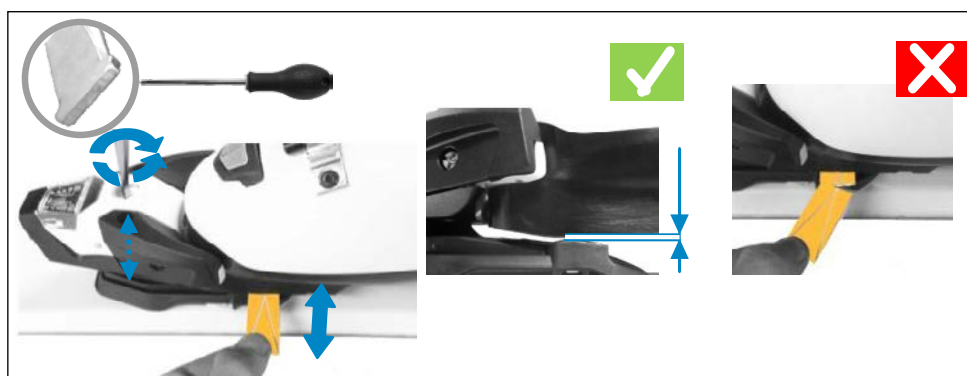
- 5 - Select and adjust the setting release values for toe and heel pieces.



- 6 - With the screw on the left side of the toe piece, adjust the toe wings to come in contact with the ski boot.
(see § : ADJUSTING - WING ADJUSTMENT > page 17).



- 7 - Adjust the toe height with the adjustment screw until to create a gap of the thickness of the mounting instruction sheet between the boot sole and the binding.
(see § : ADJUSTING - TOE HEIGHT ADJUSTMENT > page 17).



#4

TOURING BINDING

**NOT COMPLIANT WITH DIN/ISO 13992
STANDARD AND NOT TUV CERTIFIED**



TRACER TOUR BINDING **49**

WARNING

These bindings do not comply with DIN/ISO 13992. The bindings have been designed, developed and produced to be used for extreme alpine skiing or ski racing. There is no fine tuning of the release settings; they are designed to release when subjected to twisting and forward lean. These bindings must only be used in conjunction with ski touring boots which have inserts for the bindings. These bindings are not compatible with bellowed ski boots such as Scarpa F1/F3/Tx. The effectiveness of the release mechanism of the bindings is highly dependent on insert and boot wear.



TRACER TOUR BINDING

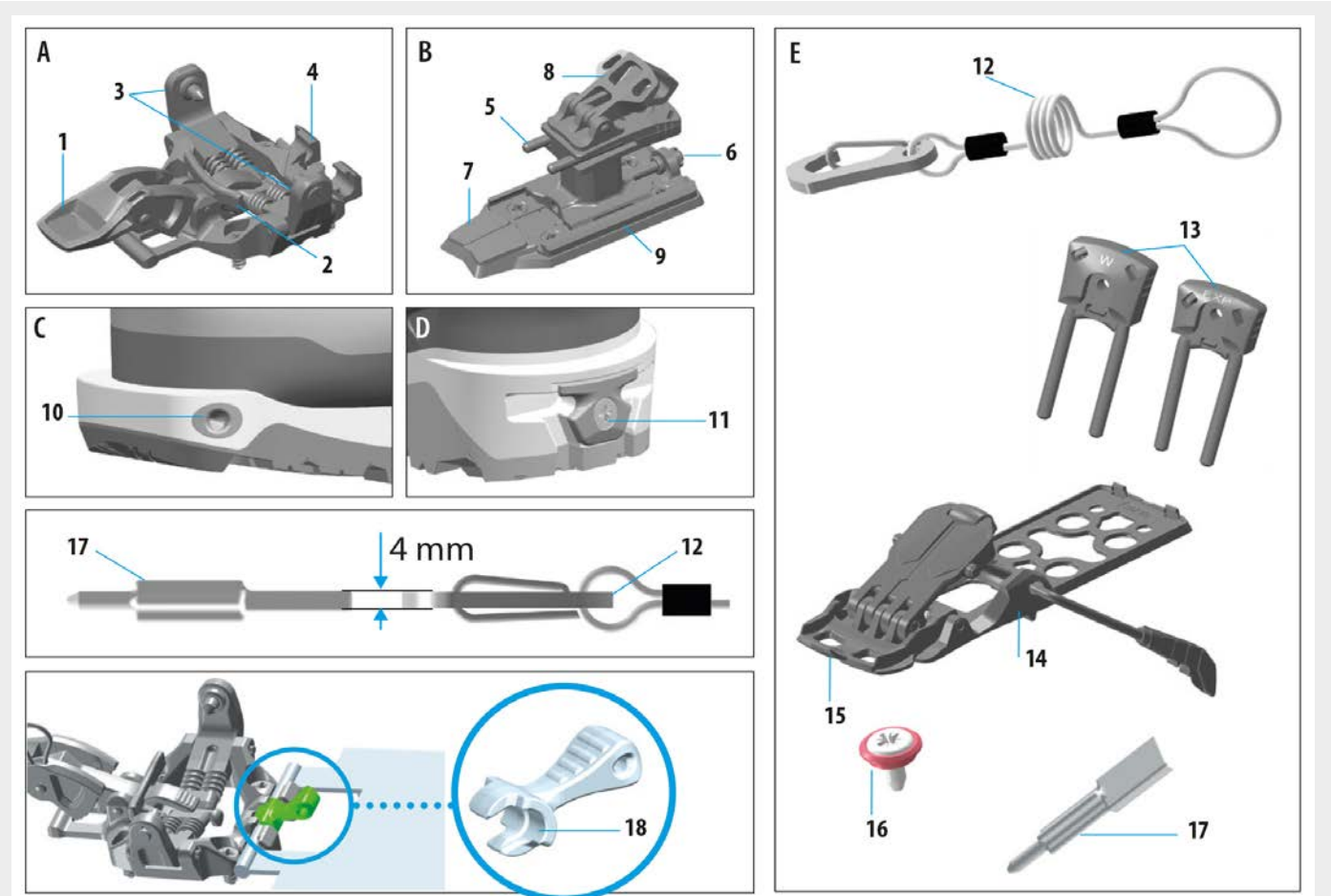
TO BE MOUNTED BY AN ARMADA AUTHORIZED DEALER ONLY.



WARNING

These bindings do not comply with DIN/ISO 13992. The bindings have been designed, developed and produced to be used for extreme alpine skiing or ski racing. There is no fine tuning of the release settings; they are designed to release when subjected to twisting and forward lean. These bindings must only be used in conjunction with ski touring boots which have inserts for the bindings. These bindings are not compatible with bellowed ski boots such as Scarpa F1/F3/Tx. The effectiveness of the release mechanism of the bindings is highly dependent on insert and boot wear.

BINDING DESCRIPTION



- A- The toe piece**

 - 1- Lever for clamping and freeing the boot
 - 2- Boot toe guide
 - 3- Wings
 - 4- Crampon mount
- B- The heel piece**

 - 5- Retaining U-spring for the heel insert
 - 6- Boot size adjustment screw
 - 7- Low heel lift guide
 - 8- Medium and high heel lift guide
 - 9- Length adjustment scale
- C- Toe of the boot**

 - 10- Front insert

D- Heel of the boot

 - 11- Rear insert
- E- Optional accessories**

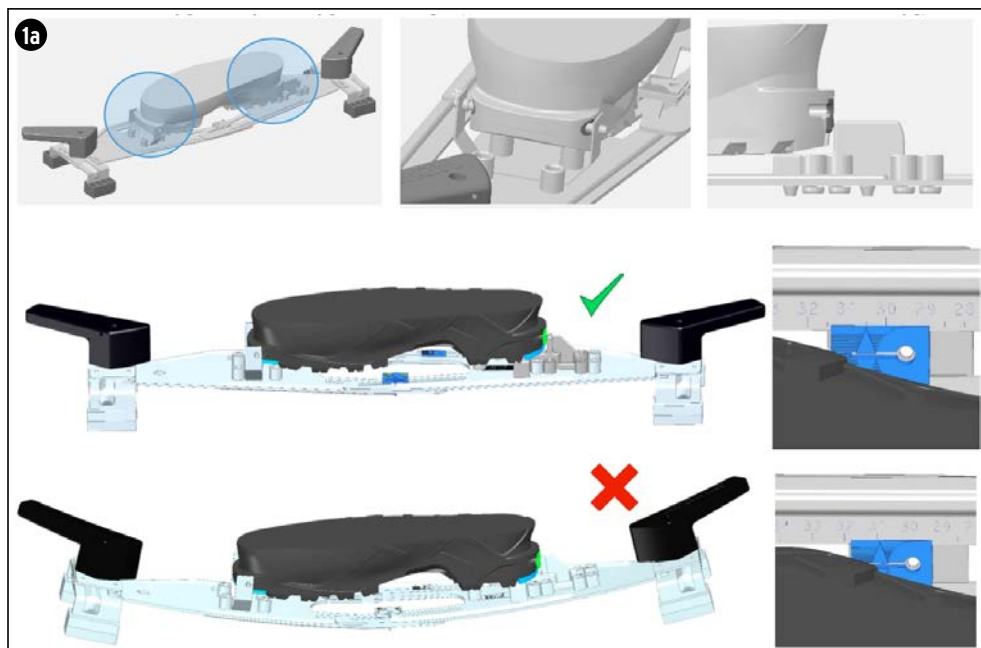
 - 12- Safety strap
 - 13- Different types of U-spring
 - 14- Brake
 - 15- Clamping lever
 - 16- Pre-fitted screw
 - 17- Guiding tool / setting tool
- 18- Additional part for Dynafit / ATK crampons

MOUNTING & ADJUSTING PROCEDURE

1. In order to mount the bindings, it is important to use the correct Armada jig (ref L3816250001) to ensure the binding is perfectly aligned.
Put the boots on the jig and adjust the jig at boot length (the rear insert of the boot must be in contact with the jig). **(fig. 1a)**

Option

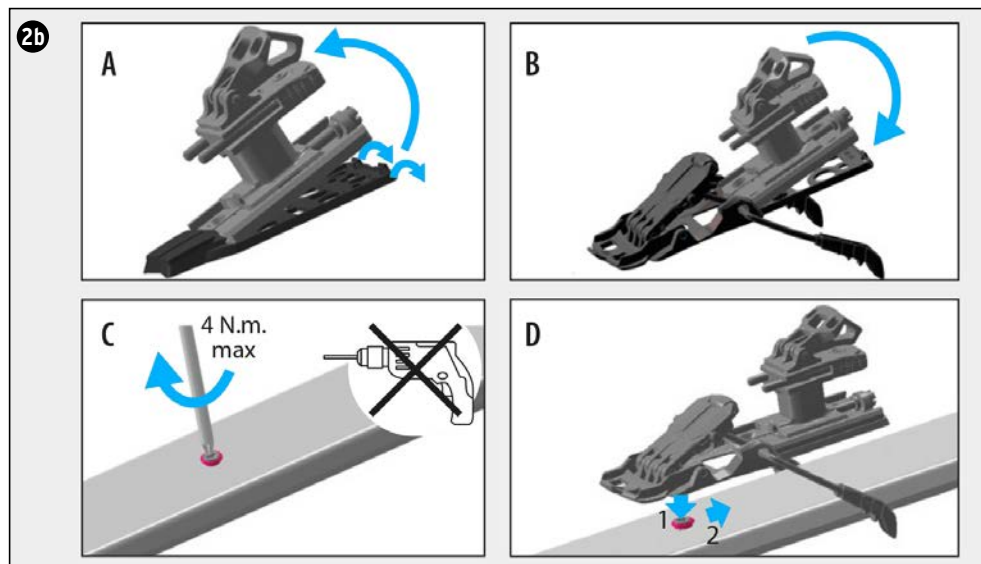
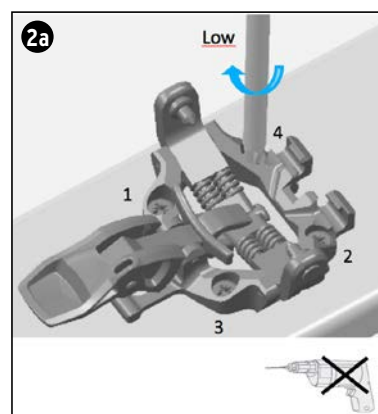
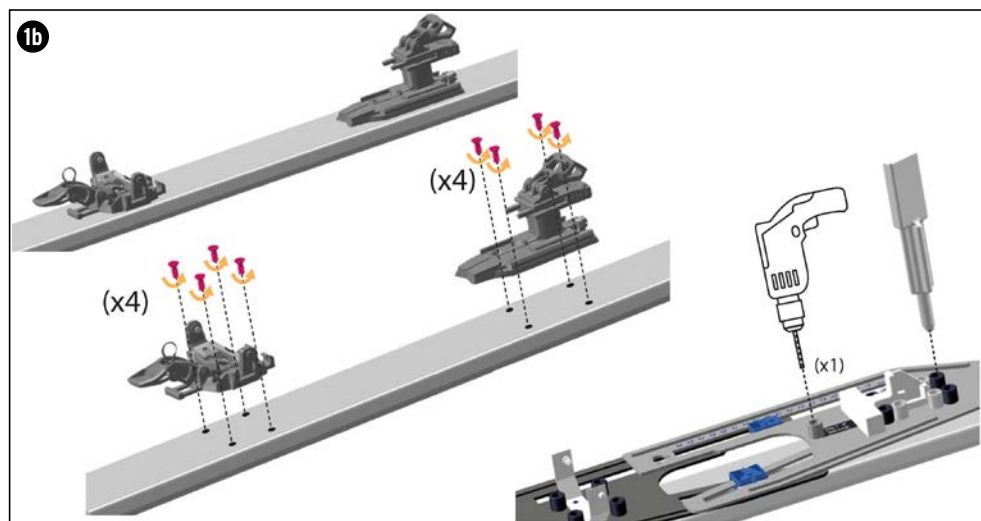
If the brake is added afterwards, unscrew the 8 screws and put them to one side. Take off the toe and the heel pieces. Using the proper tool (n°17), line up the jig with a bushing on one of the screw holes in the heel. The three other holes should then appear under the other drill guide rings. Drill the extra hole for the brake. **(fig. 1b)**



2. Mount the toe piece by gently screwing the screws in the order shown after so that the toe piece is still able to rotate slightly. **(fig. 2a)**

Options (fig. 2b)

- A- Unclip the low lift guide (n°7)
 - B- Clip the boot heel over the brake
 - C- Tighten the pre-fitted screw by hand, 4 Nm max (n°16)
 - D- Mount the entire sub-assembly of heel piece and brake at the top then move it backwards in the direction of the arrows
- Ensure the sub-assembly of heel piece and brake is properly mounted on the ski.



MODEL - SPECIFIC INSTRUCTIONS

>>> TRACER TOUR BINDING

3. Mount the heel piece by tightening the screws in the order 1 - 2 - 3 - 4 (**fig. 3**)

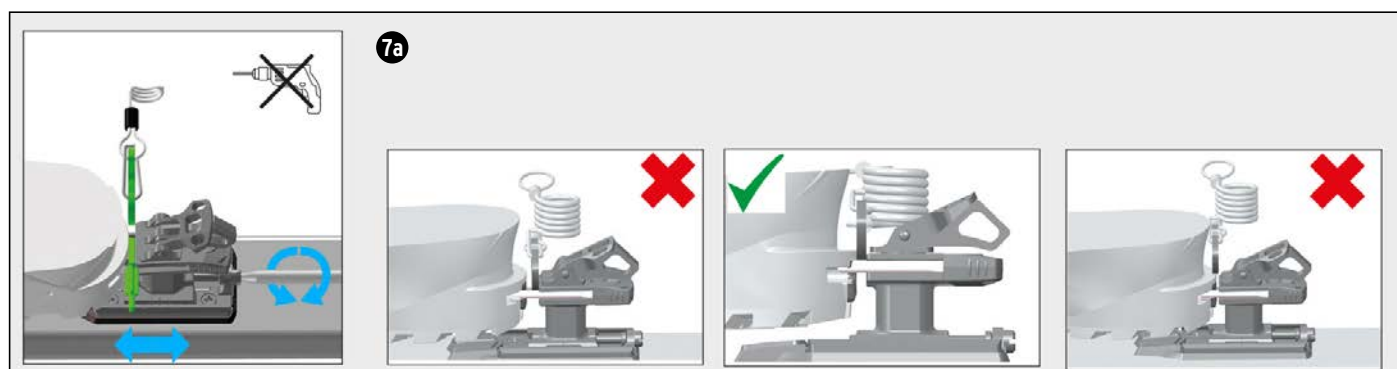
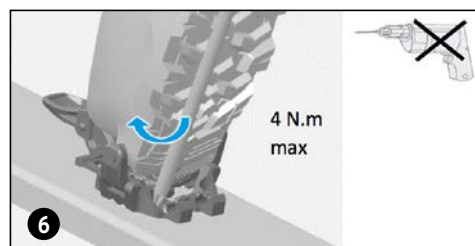
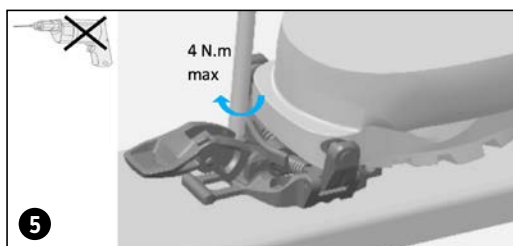
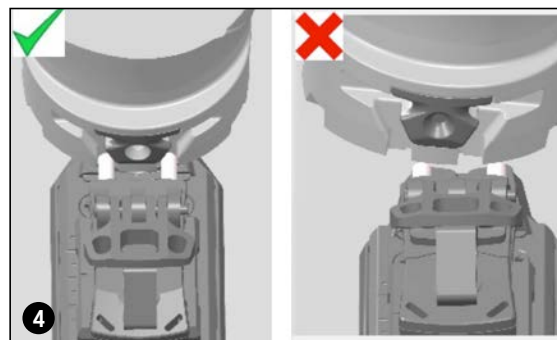
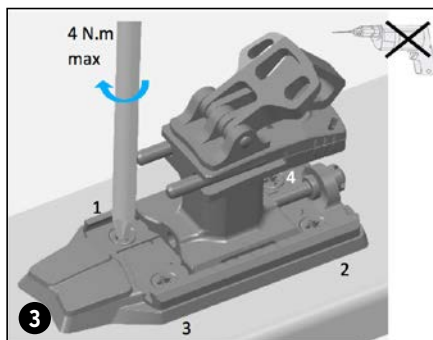
4. Step-in the ski boot into the toe piece and make sure that the rear insert of the boot is correctly aligned with the U-spring of the heel piece. (making a "V" between the heel boot insert and the U-spring) (**fig. 4**)

5. Then fully tighten the two front screws on the toe piece (screw n°1 and 3) to the correct torque (**fig. 5**)

6. Tilt the boot forward and fully tighten the two rear screws (screw n° 2&4) to the correct torque. (**fig. 6**)

Check that all the screws are firmly seated and none of the thread is stripped.

7. Put the boot into the heel piece and check the length of the binding marries correctly with the boot using the snap hook of the safety strap or the designated tool n°17 as template. (**fig. 7a**)



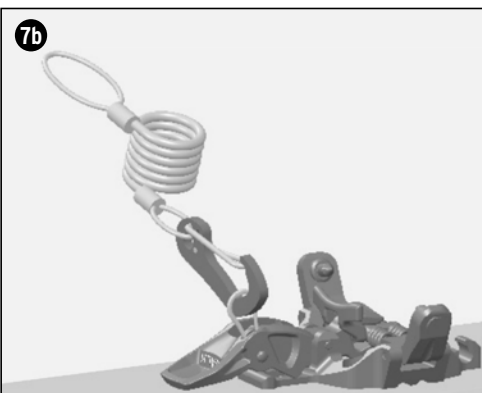
Options:

Assemble the safety straps onto the toe pieces (**fig. 7b**)

8. The heel piece retaining U-spring (**fig. 8**)

The choice of U-spring should be based up on discussions between the skier and the authorized reseller so that all factors which affect the choices are fully considered.

U-springs for MEN are delivered pre-mounted on the bindings



Model of U-spring used	W = WOMEN	MEN	EXP = EXPERT
Skier classification	Type 1 or 2	Type 1 or 2	Type 3
	Increases release value of the binding in the event of a fall		Reduces release value of the binding in the event of a fall

For full details regarding classification of the skier, please see the Armada technical manual > page 83

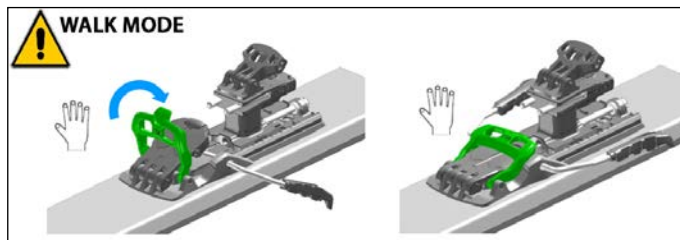
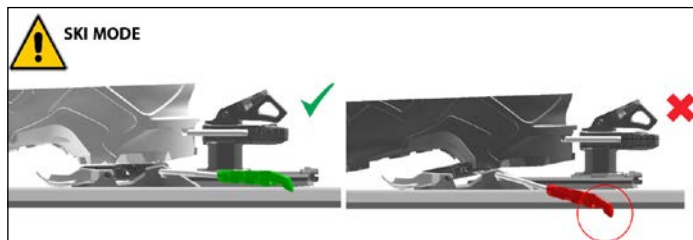
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MODEL - SPECIFIC INSTRUCTIONS

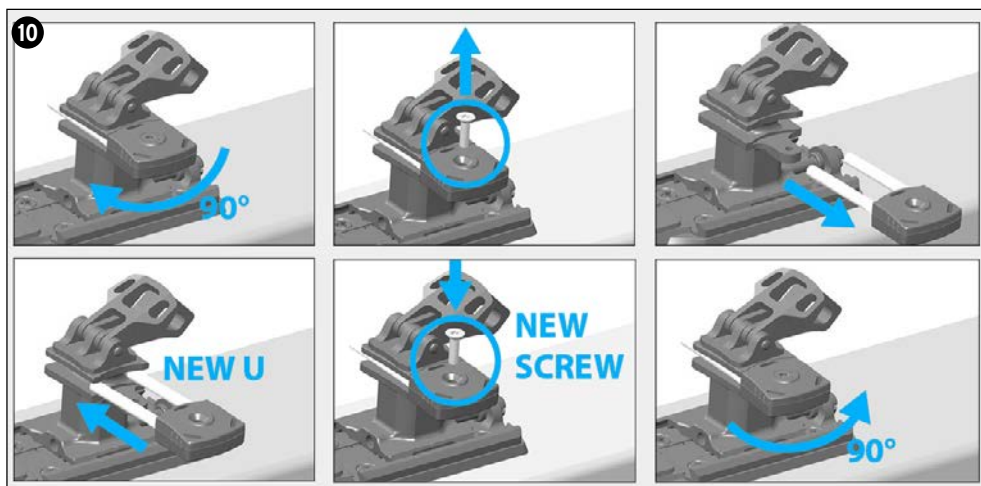
>>> TRACER TOUR BINDING

9. Once the boot is on, check that the brake arms close properly.

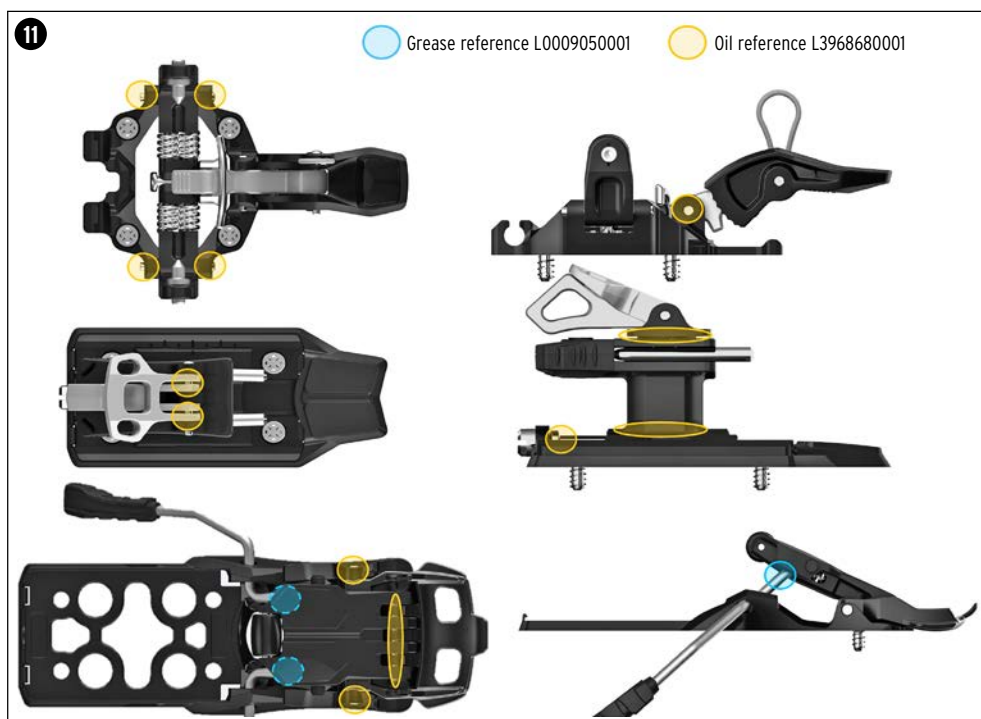
Advise the skier to lock the brake by hand



10. Replacing the heel piece U-spring (fig. 10)



11. Lubrication points (fig. 11)



11- Advice for the skier

YOU SHOULD NOTIFY THE SKIER OF THE FOLLOWING POINTS:



- > The bindings have been designed, developed and produced to be used for extreme skiing or ski racing.
- > The skier has been made fully aware of the risks involved at time of purchase of these bindings.
- > The leaflet attached to the heel piece should be handed to the skier.
- > All adjustment to the bindings (changes to the length settings and replacing the U-springs) should only be carried out by an authorized reseller
- > These bindings are compatible with PLUM, DYNAFIT and ATK crampons.
- > It is recommended to use the additional part n°18, if Dynafit/ATK crampon are used
- > The bindings should be regularly lubricated by a certified reseller.

RELEASE PREFERENCE

WHAT TYPE OF SKIER ARE YOU?

CHOOSING YOUR RELEASE PREFERENCE IS YOUR RESPONSIBILITY

The factors that determine the release setting on your ski bindings include your height, weight, age, boot sole length, and your personal release preference. You are responsible for determining your own release preference based upon the chart below and for informing the ski shop technician of your preference. Your ski shop technician cannot make this determination for you. Be sure to provide accurate information regarding your height, weight, age and personal release preference. Errors may increase your risk of injury.

 <h2>TYPE I</h2> <p>ENTRY-LEVEL SKIERS WHO ARE UNCERTAIN OF THEIR PREFERENCE</p> <p>Entry-level skiers and skiers who designate themselves as Type I receive lower than average ski binding release settings. This corresponds to easier ski binding release in a fall.</p>	<p>SKIERS NOT CLASSIFIED AS TYPE I OR TYPE III.</p> <h2>TYPE II</h2> <p>MOST SKIERS ARE SATISFIED WITH A TYPE II SETTING</p> <p>Skiers who designate themselves as Type II receive average ski binding release settings appropriate for most recreational skiing.</p>	 <h2>TYPE III</h2> <p>SKIERS WHO DESIGNATE THEMSELVES AS A TYPE III RECEIVE HIGHER THAN AVERAGE RELEASE SETTINGS</p> <p>This corresponds to decreased risk of inadvertent binding release and increased risk of non-release. This classification is not recommended for skiers 47 lbs. (21 kg) and under.</p>
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If from experience, you have been dissatisfied with the release settings that result from your release preference, mention this to your binding ski shop technician.

RELEASE SETTING ADJUSTMENT

CHART 1					CHART 2							
Mandatory Release values					Examples for Initial indicator value							
Skier's parameters			Inspection parameters		These are only the starting point in the binding setting process and may need to be modified in order to achieve the correct measured release value. Z (presetting), depending on boot sole length							
Skier's mass kg	Skier's height m	Skier code	Twist MZ N.m	Forward lean MY N.m	≤ 230 mm	231 mm to 250 mm	251 mm to 270 mm	271 mm to 290 mm	291 mm to 310 mm	311 mm to 330 mm	331 mm to 350 mm	≥ 351 mm
			5 ^a	18 ^a								
10 to 13		A	8	29	0,75	0,75	0,75					
14 to 17		B	11	40	1,0	0,75	0,75	0,75				
18 to 21		C	14	52	1,5	1,25	1,25	1,0				
22 to 25		D	17	64	2,0	1,75	1,5	1,5	1,25			
26 to 30		E	20	75	2,5	2,25	2,0	1,75	1,5	1,5		
31 to 35		F	23	87	3,0	2,75	2,5	2,25	2,0	1,75	1,75	
36 to 41		G	27	102		3,5	3,0	2,75	2,5	2,25	2,0	
42 to 48	≤ 1,48	H	31	120			3,5	3,0	3,0	2,75	2,5	
49 to 57	1,49 to 1,57	I	37	141			4,5	4,0	3,5	3,5	3,0	
58 to 66	1,58 to 1,66	J	43	165			5,5	5,0	4,5	4,0	3,5	3,0
67 to 78	1,67 to 1,78	K	50	194			6,5	6,0	5,5	5,0	4,5	4,0
79 to 94	1,79 to 1,94	L	58	229			7,5	7,0	6,5	6,0	5,5	5,0
≥ 95	≥ 1,95	M	67	271				8,5	8,0	7,0	6,5	6,0
		N	78	320				10,0	9,5	8,5	8,0	7,5
		O	91	380				11,5	11,0	10,0	9,5	9,0
			105	452						12,0	11,0	10,5
			121	520								
			137 ^b	588 ^b								

NOTE 1 For skiers of 13 kg and under, no further correction is appropriate. **NOTE 2** For skiers of 17 kg and under skier type - 1 is inappropriate.
a : Lowermost tolerance limit. - b : Uppermost tolerance limit.

ADJUSTMENT PROCEDURE

The release setting adjustment is obtained by using the adjustment cap or adjustment screws. The release setting is visible on the indicator. Adjust the toe piece and heel piece to the same settings. It is highly recommended to use a measuring device to check the release torque (see ISO 11088).

Release value selection and adjustment

The release settings must be used by the technician to determine the appropriate adjustment for each skier, which conforms to the following norms: ISO 11088, ASTM F 939, ASTM F 1063, and AFNOR FD S 52-448 (documentation fascicle).

SKIER CLASSIFICATION

This classification has to be determined by a dialogue between the skier and dealer, which helps to take into account the diverse factors that influence the adjustment. These factors are explained in the norms cited above.

› Type I skiers:

- Ski conservatively.
- Prefer slower speeds.
- Ski on easy to moderate slopes.
- Intermediate level, but not in good physical condition.
- Good skiers, smooth and supple style, emphasizing safety.
- Favor lower than average release/retention settings. This corresponds to an increased risk of inadvertent binding release in order to gain increased release capacity in a fall.

› Type II skiers:

- Intermediate skiers in good physical condition.
- Prefer a variety of speeds.
- Ski on varied terrain, including most difficult trails.
- All skiers who do not meet all the descriptions of the other skier types.

› Type III skiers:

- Ski aggressively.
- Normally ski at high speeds.
- Prefer moderate to steep terrain.
- Favor higher than average release/retention settings. This corresponds to decreased capability to release in a fall in order to decrease risk of inadvertent binding release.
- Type 3 settings should not be used by skiers of less than 22 kg.

OTHERS SKIERS TYPE**› Type I- skiers:**

- Skiers looking for a lower release setting than type 1.
- Recommended for beginners over 25 years old.

› Type III+ skiers:

- Very strong skiers, on challenging terrain.
- Skiers looking for a higher release setting than type 3 skiers.

Skier type does not have the same meaning as skier ability. For instance, an advanced skier who skis all-terrain, but is not particularly aggressive, may be able to use Type 2 settings.

ADJUSTMENT PROCEDURE**1. Find the skier's code in chart 1.**

Locate the skier's weight in the first column and the skier's height in the second column. If the skier's weight and height are not on the same row, select the skier's code on the highest row.

2. This skier code is appropriate for Type 1 skiers.

For Type I- skiers: move up one row.

For Type II skiers: move down one row towards the bottom of the chart.

For Type III skiers: move down two rows on the chart.

For Type III+ skiers: move down three rows on the chart.

3. For skiers who are 50 years or older, or under 10 years: move up one row on the chart.

- For skiers weight 13 Kg and under, no further correction is appropriated.

- For skiers weight 17 Kg and under, type 1- skier is inappropriate.

4. After having determined the skier code, locate the column in chart 2 that represents the skier's boot sole length (in mm).**5. The box at the intersection of the skier's boot sole length column and the skier's code row, shows the initial indicator setting for the skier. Adjust both toe pieces and heel pieces accordingly.****6. Caution:** If the box at the intersection of the skier's boot sole length column and the skier's code row is empty, move horizontally on the same row and use the closest indicator setting.**7. If it is obvious that the bindings release inadvertently (unnecessarily), at the request of the skier, the dealer can:**

- At first, increase the level in the forward fall, that is, on the heel piece.

- Then, only if the inadvertent releases persist, increase the level in torsion, that is, on the toe piece. Proceed very progressively in stages of half-points.

FINAL CHECKING AND VISUAL INSPECTION

A Armada certified technician must sign or initial the Workshop form indicating that all systems inspections have been performed.

A final check is your quality control measure to verify that all required procedures have been properly completed and involves the following steps:

1. Visual inspection of system components.
2. Test for elastic travel and return.
3. Release value within specified range and boot-binding compatibility.

VISUAL INSPECTION OF SYSTEM COMPONENTS TROUBLESHOOTING PROCEDURE

After the bindings have been properly mounted and adjusted, visually inspect the ski/boot/binding system.

› The boot:

Check:

- for gross irregularities where the boot contacts the binding and the AFD (deformation, wear,...),
- that the boot conforms to the norm (DIN, ISO or ASTM markings).

If the boots are not marked, check with the supplier.

These bindings are not designed to function with boots that do not conform to the norm.

- that the boot has not started to crack or break.

The boot toe

Check for the absence of:

- rubber and/or metal tip protectors
- mold flashings
- a ramp or bevel in front of the AFD area
- grid pattern or tread in the AFD area
- excessive wear
- a toe sole extension with corner radius of less than 7 mm
- asymmetrical shape of the toe sole.

The boot heel

Check for:

- debris lodged in the sole
- scraped or improperly canted boot sole
- cut-outs in the heel sole that catch on the entry pedal
- cut-outs in the sole that impede proper brake function.

Note: If you are uncertain of boot compatibility, perform the 'Clean vs Lubricated' test. Boots that fail this test or violate any of the above points should not be used with any Armada binding.

› The ski:

Check for:

- mounting screws protruding through the base
- delaminated sidewall. This can be detected by running your fingers along the sides of the ski.
- base plate flush with ski surface
- delaminated topskin
- pre-drilled holes. Bindings should not be installed on skis that have already been drilled for three or more sets of bindings.

› The binding:

The toe piece

Check for:

- stripped, loose or missing screws
- condition and location of the AFD (ripped, loose, imbedded dirt, boot sole pattern, tread imprint, etc)
- condition of anti-friction inserts (where applicable)
- missing or unreadable adjustment indicators and missing windows
- bent or broken base plate, principal axis or housing
- stripped or jammed toe height and cup adjustment screws
- jammed release adjustment
- other visible wear.

The heel piece

Check for:

- stripped, loose or missing screws
- improperly installed brake
- defective heel track
- bent or broken base plate, track or heel guide
- missing Delrin inserts in the heel guide
- jammed release adjustment
- unreadable indicators
- other visible wear.

The ski brake

Check for:

- improper installation
 - broken entry pedals
 - bent brakearms
 - strength of ski brake
- A brake must not compress totally when the ski is set on a flat surface.
- other visible wear
 - proper position of brakes
- They shouldn't touch the ski while they are functioning (especially on fat skis).

The complete system

Place the boot in the binding and check the accuracy of:

- toe height adjustment (if applicable)
- toe cup width adjustment (if applicable)
- forward pressure adjustment
- release adjustment settings
- symmetrical mounting of bindings to ski center line (+/- 1 mm)

This should be in the same location on both skis.

If you discover a correctable problem, repair the problem and re-test.

If the system still falls outside the "in-Use range", perform the 'Clean vs Lubricated' test.

TEST FOR ELASTIC TRAVEL AND RETURN

› Laterally:

Secure the ski. Hit the forefoot area of the boot with a rubber hammer. Use sufficient force to move the boot off-center, but not hard enough to release the system.

The boot should move off-center at least 5 mm and return to center within 2 mm of its original position.

› Vertically:

Put the boot in the binding, depress the heel lever while pulling forward on the upper cuff of the boot until the boot heel lifts at least 5 mm. Release both hands simultaneously. The boot should go back in place quickly and smoothly.

This check can be performed either manually or by using a mechanical device. If a measuring device is used, follow the recommendations of the test device manufacturer for proper procedure.

RELEASE VALUE WITHIN SPECIFIED RANGE AND BOOT/BINDING COMPATIBILITY



Testing of release values with a test device is recommended (**fig. 1**).

If a test device is not used, the skier should be informed.

In addition, the skier must be warned about the risk of possible breakage of boots and bindings that have been subjected to shocks or abnormal stress.

› Test the toe:

First, exercise the toe by releasing it once in each direction.

Then, using test device, measure and record the twist release value in each direction. The measured release value should be considered to be the middle quantitative value of three measured releases.

If the first two measured values are the same, there is no need to take a third measurement. See examples of middle quantitative values (**Chart. 1**).

The toe passes this inspection if the middle quantitative values in both directions fall within the 'Inspection range'.

See sample "System inspection ranges" (**Chart. 2**).

Symmetry test note

You should be aware of the possibility of an asymmetric release.

If your tested values for clockwise and counter-clockwise release appear to be at opposite extremes of the inspection range, you may have an installation error or incompatible boot.

Troubleshoot the system and re-test after the problem has been corrected.

› Test the heel:

First, exercise the heel by releasing it once. Using a test device, measure and record the heel release value.

The middle quantitative value of three heel releases should fall within the +/- 15% "inspection range".

› Release value verification - failure:

When the technician is satisfied that all required procedures have been completed according to Armada's recommendations in this manual, he or she must sign the Workshop Form. (The signing technician must currently be certified by Armada.)

Note: During manufacturing, Armada precision tests every binding up to 5 times to assure that it functions properly and is calibrated correctly. It is extremely rare that a new component would be out of calibration unless there is damage.

› Troubleshooting:

Boot/binding systems wear with time. Mechanical inspection allows you to identify when the ski/boot/binding system is not working as it was originally intended. Readjustment of the binding is not a sign of malfunction, but can be a sign of normal wear.

› Test for lateral travel - failure:

Re-check all binding-to-boot adjustments.

Re-inspect the boot and the binding according to the Visual Inspection criteria. If the boot is dirty, clean the sole with a solution of soap and water.

If the binding is dirty, clean it according to the procedures described in this chapter under 'Maintenance'.

Re-test the system for elastic travel and return.

› Test for vertical elastic travel - failure:

Clean the boot sole of any snow, dirt or debris. Check for excessive wear at the boot heel. Repair or replace any non-DIN boot.

Check that the boot enters the binding correctly. Align the boot with toe and heel cups and re-insert the boot. Check the release setting. It should not exceed the minimum or maximum visual indicator setting and should be set appropriately for the skier.

If the measured +/- Mz and My values are located outside of the +/- 15% inspection range, consult the manufacturer's instructions for procedures concerning malfunctions.

If after this procedure, the measured values are within the readjustment range of +/-30%, the binding can be readjusted.

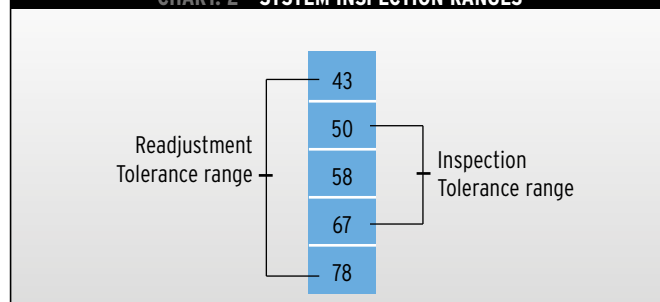
These readjustments should allow you to obtain measured values as close as possible to the selected individual release torque within the +/- 15% range.

If the release is still outside the +/- 30% readjustment range after having followed the procedures for malfunctions, do not readjust the binding unless it is specifically authorized by the manufacturer (**chart. 1**).

CHART. 1

Three release values	Middle quantitative value
45 - 40 - 50	45
60 - 50 - 50	50
30 - 40 - 50	40
55 - 65 - 60	60

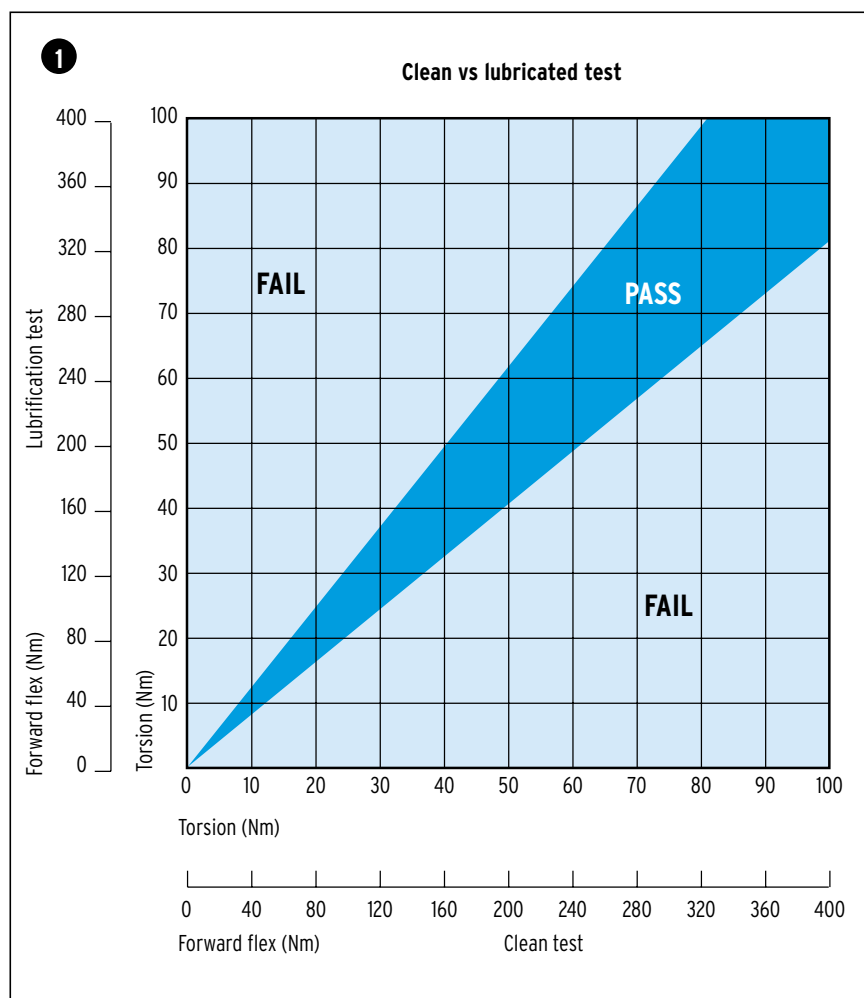
CHART. 2 - SYSTEM INSPECTION RANGES



BOOT/BINDING COMPATIBILITY DIAGNOSIS

Clean vs lubricated test

1. Determine the measured release value in the ski/ boot/binding system without lubricant.
2. Determine the measured release value in the ski/ boot/binding system after lubricating all contact points between the boot and binding with a lubricant specified by the manufacturer. If nothing particular is specified, use soap and water.
3. Calculate the ratio between the two tests by dividing the result with the lubricant by the result without it.
4. If the quotient is above 1.2 or under 0.8, the system is considered to be incompatible. If the boot test result is a satisfactory $\pm 30\%$, but the binding does not release within the 'readjustment tolerance' range, check the calibration of the adjustment machine. Have another technician redo the test.
If the system still falls outside the range, the binding should not be used.



RETAIL SKIER INSTRUCTION AND WARNING

In principle an adjustment report is established by the ski shop and delivered to the user.

It shall at least contain the following information:

- skier's parameters,
- indicator value,
- measured value of Mz and My, or pass/fail result of the system test.

The exact content of the report and its delivery conditions are defined by the national standard organizations 11088.

» Explanation of entry/exit/re-entry:

The proper use of the system (entry, exit and re-entry) should be explained using the skier's own system as an example.

» Explanation of backcountry instructions

The transition of walking mode to skiing mode in case of backcountry binding should be explained using the skier's own system as an example.

» Receipt of in-box instructions and warranty:

When a skier purchases a new binding, it is required that s(he) also receive the instructional pamphlet included in each binding box (1st page of the pamphlet as example below).

NOTICE À REMETTRE AU SKIEUR
BEDIENUNGSANLEITUNG FÜR SKIFAHRE
DENNE VEJLEDNING SKAL UDLEVERES TIL SKILØBEREN
INSTRUCCIONES PARA ENTREGAR AL ESQUIADOR
ΟΔΗΓΙΕΣ ΓΙΑ ΤΟΥΣ ΣΚΙΕΡ
INSTRUCTIONS FOR ISSUE TO SKIERS
FOGLIO INFORMATIVO DA CONSEGNARE ALLO SCIATORE
HANDLEIDING VOOR DE SKIËR
FOLHETO INFORMATIVO DESTINADO AO ESQUIADOR
INSTRUKTIONER FÖR GER SKIDÅKAREN
SUUSATAJALE MÖELDUD TEATIS
A SÍELÓNEK ÁTADANDÓ ÚTMUTATÓ
PAZIŅOJUMS, KAS NODODAMS SLĒPOTĀJAM
SLIDININKUI SKIRTAS INFORMACINIS LAPELIS
INSTRUKCJA DLA NARCIARZA
NÁVOD PRO LYŽAŘE
NÁVOD PRE LYŽIARA
VEILEDNING SOM GIS SKIKJØREREN
ИНСТРУКЦИЯ ДЛЯ ЛЫЖНИКА
ИНФОРМАЦИЯ ЗА СКИОРА
KAYAKÇILARA VERİLECEK TALİMAT
TIEDOTE HIIHTÄJILLE
INSTRUCȚIUNI DE ÎNMÂNAT SCHIORULUI
ПОВІДОМЛЕННЯ ДЛЯ ЛИЖНИКА
スキーヤーへの注意書き
滑雪者專用說明書
스키어 사고 방지 지침
UPUTSTVO KOJE TREBA DA SE URUCI SKIJAU



INSPECTION

AID FOR APPLICATION OF ISO 13993 concerning

- rental ski shop practice

- sampling and inspection of complete and incomplete alpine ski-binding-boot systems in rental applications (this supplement does not replace ISO 13993).

To keep your rental equipment in good condition while minimizing liability we recommend the following program (this comes out of the ISO 13993 standard).

RENTAL INSPECTION SUMMARY

Since it is impractical to perform a full inspection each time a system is rented, a routine of preseason and inseason inspections has been developed to verify release indicator accuracy, confirm correct equipment function, and assure proper assembly and adjustment procedures by the rental shop staff.

Fully implemented, the procedures that follow provide rental shop customers a standard of care equivalent to that provided retail shop customers under current ISO and ASTM standards.

PRESEASON INSPECTION

PRESEASON INSPECTIONS ARE PERFORMED ON COMPONENTS OF THE RELEASE SYSTEM: bindings and boots.

All rental bindings, new and used, are visually inspected, and then tested using specially selected Reference Boots.

Bindings that fail go through a troubleshooting procedure to identify and correct the deviation or malfunction.

If this procedure does not correct the problem, the binding is removed from inventory.

All rental boots, new and used, are visually inspected for damage, wear, contamination, broken or missing parts, or inferior materials at contact points with the binding.

BINDINGS	NEW manufacturer pre-mounted* or NEW sealed system bindings** *a combination of new skis and new bindings provided by the original equipment manufacturer that is ready to be fitted to boots **protected from damage by the original packaging of the manufacturer during transportation	All USED bindings or NEW but not pre-mounted bindings and plates
	The sample of bindings shall be tested with a reference boot according to "Note 1". Reduced sample size according to "Note 2".	Inspection according to "Note 1".
BOOTS	NEW	USED
	Inspection according to "Note 3" and "Note 4".	Inspection according to "Note 3" and "Note 4".

Note 1. Bindings used in an interchangeable rental programme shall be inspected for appropriate function (see «Preseasonal Binding Inspection») and valid release indicators in accordance with clause «Preseasonal Boot - Preparation and Inspection»

Note 2. The sample size shall be $\pm 5\%$ of the rental inventory (see Table B) but at least 16 systems (equipment for seasonal rental is not included).
 If the rental inventory is less than 16 systems, the sample size is complete when the entire rental inventory has been inspected.
 If the rental inventory is more than 1 600 systems, the sample size shall not be more than 80 systems.

Note 3. A visual inspection for compatibility and interchangeability shall be performed on all boots in accordance with procedures recommended in this technical manual.

Note 4. As a check on boots in the rental inventory, a single system sample, by make, model and size, shall be taken and tested in accordance with the paragraph «inseason sampling and inspection»

If a boot generates a deviation other than the accepted inspection tolerance, all boots in the category shall be visually inspected and as a check, a 16 system (or less if 16 systems are not available) random sample shall be taken and tested.

If any boot in this sample generates a deviation other than the inspection tolerance, all remaining boots in the category shall be tested.

Note 5. As a check on boots that have been accepted into the rental inventory in a prior season, a 5 % (not less than 16 nor more than 80 systems) sample shall be taken and tested.

If a boot generates a deviation other than the accepted inspection tolerance, then all boots in that make, model or age category shall be visually inspected and tested.

All remaining boots in the rental inventory shall also be visually inspected. If the reason for the deviation is found in another boot category, all boots in that category shall also be tested.

INSEASON INSPECTION

Inseason inspections are performed on complete rental systems to ensure that the equipment is adjusted appropriately and continues to function correctly.

Typically 5% of the rental inventory is tested during each two weeks sampling period.

The random sample is equally divided between equipment that is available for rental and equipment that has just been rented.

The equipment in the 'as rented' category is from real skiers in the condition in which it is either dispatched or returned, while the 'available for rental' equipment may be set up for fictitious skiers.

Only single skis, not pairs, are tested, and testing at the toe is only required in one direction.

A count is maintained of test results which exceed allowable limits.

The magnitude and frequency of these deviations determines the frequency of future inspections.

Shops which fail an inspection must sample daily until the source of the problem is found and corrected.

Then, as inspection results improve, the frequency of sampling and inspection is relaxed.

INSPECTION PROCEDURES

IMPORTANT TERMS

CORRECTION FACTOR

The value that must be added or subtracted from the initial visual indicator setting to bring the test result within the Inspection Tolerance (or Inspection Range).

DIRECTIONS OF RELEASE

Unless otherwise specified (see Inseason Inspection), the directions of release to be tested are forward lean and clockwise and counterclockwise in twist.

TEST DEVICE

A device which meets ISO standard 11110 (or ASTM standard F1061) and has been checked and maintained in the manner specified by the device manufacturer.

TEST RESULT OR RELEASE TORQUE

The middle quantitative value of three tests made in the same direction.

(Add other terms from ISO 13993 or ASTM F1064 that are not defined elsewhere in the tech manual).

PRESEASON TEST

REFERENCE BOOT SELECTION

The Reference Boot is a boot of a designated sole length which is otherwise typical of the boot inventory.

Use the procedure below if the boot inventory includes several models and a representative boot can not be easily identified.

1. Select five single boots with sole lengths as specified in **Chart A** for the binding type to be tested: adult, junior, or child.
2. Clean all five boots with a mild detergent and water.
3. Adjust a rental binding to the release indicator setting specified in **Chart A** for the binding type.
4. Fit the binding to the boots and determine the Release Torque in all three directions of

release (forward lean and both directions in twist- three releases in each direction).

5. Average the Release Torque for CW and CCW twist release.
6. Reject and replace any boot with a CW to CCW difference of more than 6 Nm for adult boots or 4 Nm when testing child boot types.
7. Rank the five twist results and select as the Reference Boot for twist, the middle boot.
8. Rank the five forward lean results and select as the Reference Boot for forward lean, the middle boot.

PRESEASON BINDING INSPECTION

The procedure that follows is an integral part of preseason maintenance.

It is also a good way to determine if maintenance is adequate and which units have outlived their usefulness and must be removed from inventory.

1. Clean areas of the bindings that contact the boot and perform all preseason binding maintenance.
2. Visually or manually check:
 - a. AFD condition.
 - b. Brakes function.
 - c. Release indicator readability and travel.
 - d. Screw tightness.
 - e. (other product specific inspections if required)
3. Fit each binding to the Reference Boot and adjust the release indicators to the value in **Chart A**.
4. Check that the heel track and toe track code (if any) agree with the sole length code (if any) of the Reference Boot.
5. With the Reference Boot in the binding, verify elastic travel of the toe piece by striking the boot toe with a mallet or dead hammer and checking that the toe piece returns the boot quickly and completely to center.
6. Verify elastic travel of the heel piece by lifting the boot while depressing the heel

piece cocking lever and checking that the heel piece returns the boot quickly and completely to the latched position. (other product specific procedures if required).

7. Manually release the binding 3 times in each direction.
8. Lubricate all boot/binding interfaces with a mild liquid detergent and water solution.
9. With the Ski Binding Test Device determine the Release Torque for each direction of release (forward lean and both directions in twist).
10. Record "PASS" in the binding's maintenance record if Test Results are within the Inspection Ranges provided in **Chart A**.
11. Set the ski aside if the Test Result in any directions of release is outside the Inspection Range in **Chart A**.
12. Follow Troubleshooting Procedure for units which have been set aside and retest if changes in the unit's condition or adjustment are made.
13. Record "FAIL" in the binding's maintenance record if, after troubleshooting, test results in any direction of release are outside the In-Use Range. Replace the 'failed' unit and retest before returning the ski to service.
14. If after troubleshooting, Test Results are outside the Inspection Range but within the In-Use Range, apply a Correction Factor to the unit and note the Correction Factor for that unit in the binding's maintenance record.
15. If many bindings fail, check the test device and re-inspect the Reference Boot.
If necessary, select another boot and retest the bindings.

CHART A - PRESEASON BINDING INSPECTION

Skier code	Binding type	Sole length mm	Release indicator setting	Reference torque twist Nm	Reference torque forward Nm	Twist inspection range Nm	Forward inspection range Nm	Twist in-use range Nm	Forward in-use range Nm
E	Children	258	2.0	20	75	17-23	64-87	14-27	52-102
J	Junior	306	4.3	43	165	37-50	141-194	31-58	120-229
L	Adult	327	5.8	58	229	50-67	194-271	43-78	165-320

RENTAL - SPECIFIC INSTRUCTIONS

>>> INSPECTION PROCEDURES

PRESEASON BOOT PREPARATION

The procedure that follows is an integral part of preseason maintenance.

1. Clean all boots with (a mild detergent and water), and repair or replace damaged or missing parts.
2. Visually check:
 - a. Conformance with ISO and other applicable standards. If the boot contacts the binding, brake, or AFD in areas other than the designated contact points, it may be incompatible with the binding (product specific figure or description).
 - b. Boot material. If the sole at the contact points with the binding or AFD can be scratched with a finger nail, the boot may be of inferior quality and incompatible with the binding.
 - c. Boot sole condition. If the boot sole is damaged, worn, or contaminated at contact points with the binding or AFD in a manner which can not be corrected, the boot may be incompatible with the binding.
 - d. Brake compatibility with sole.
 - e. Rubber and/or metal sole protectors. If such materials contact the binding or AFD the boot may be incompatible with the binding.
 - f. Mold flashings. Flashing which can be seen or felt at contact points with the binding, brake, or AFD must be carefully removed.
3. Remove from inventory all boots that have failed the visual check.

PRESEASON BOOT SAMPLING

Although sampling eliminates the need to test every boot before the season starts, the sample chosen must be representative of the inventory.

1. For boots that are new to inventory or have never been inspected, take a single boot from each cell (a cell is all boots of the same make, model, year, and shell size).
2. For used boots, take a 5% (but not less than 16 or more than 80) random sample of the entire inventory. Make sure that there is at least one boot from each cell in the sample.

PRESEASON BOOT INSPECTION

The procedure that follows helps to assure both boot/binding compatibility and boot interchange ability.

Note: when using **Chart A**, in the Boot Inspection procedure that follow, the Sole Length and Release Indicator Setting Columns should be ignored.

1. Randomly select a pair of bindings that have passed the preseason inspection from each binding type; adult, junior, child.
2. Lubricate all boot/binding contact points with a mild liquid detergent.
3. Without regard to whether the boot is new or used, sort the sample by sole type and length according to the 20 mm Sole Length Categories defined by binding adjustment chart (ISO 11088).
4. In each Sole Length Category rank the boots by sole length and select the middle boot.
5. In each Sole Length Category fit the appropriate reference bindings to this "typical" boot and adjust the two bindings to release as close as practical to the Reference Torque in **Chart A**. Use the Reference Torque corresponding to Skier Code (L) for the Adult binding, (J) for the Junior binding, and (E) for the Child binding.
6. Rinse the lubricant from one binding and mark it "clean". Mark the other "lubricated".
7. Test each boot in the Sole Length Category with the clean Reference Binding and then the lubricated Reference Binding in both twist and forward lean (only one direction in twist is required for the clean binding).
8. Set aside any boots for which the lubricated Test Result is more than 20% less than the clean Test Result in the same direction of release or the lubricated Test Result in any direction of release is outside of the Inspection Range provided in **Chart A** for the Skier Code used to set up the Reference Binding (L, J, or E).
9. Repeat the Visual Check on all boots that have been set aside, correct any defects noted, and retest. Remove from inventory boots that fail the retest.
10. Check all other boots from the same cell (make, model, year, and shell size) as those that failed.

Note: On completion of the preseason inspection, clean the liquid detergent from the equipment (and lubricate the binding before returning it to service).

INSEASON SAMPLING AND INSPECTION

The Inseason Inspection is a test of complete systems and all the procedures used by the rental staff to assemble and adjust the system.

The program uses random samples of rental inventory taken at routine intervals. Any sampling program that gives every unit of

inventory the same chance as every other of being picked is valid.

SAMPLE FREQUENCY

Random sampling is conducted throughout the entire season. Frequency is as follows:

1. After 7 days of operation.
2. If the sample passes the next sampling is taken after another 7 days of operation.
3. If two consecutive samples pass, sampling frequency is increased to 14 days.
4. If a sample fails at any time, daily sampling is instituted until two consecutive samples pass, at which point weekly sampling resumes.

SAMPLE SIZE

Sample size is 5% of inventory but not less than 16 nor more than 80 units as noted in **Chart B**. Sample size is based on average daily output. If rental output drops below 50% of capacity over the sampling period, the sample size can be reduced proportionately.

INSEASON INSPECTION

1. Take a random sample of the rental inventory as determined by **Chart B**. Take half the sample from inventory as it is either rented or returned and the remainder from inventory available for rental.
2. Wipe the boot clean and cycle the boot/binding systems at least once in each direction.
3. Test sample units in Twist (one direction only) and Forward Lean.
4. Compare the Test Results with the Inspection Range for the appropriate Skier Code.

5. If the results are within the Inspection Range, the unit passes.
6. If the results are outside Inspection Range but within the In-Use Range, count the unit as a Class I Deviation.
7. If the results are outside the In-Use Range, count the unit as a Class II Deviation.
8. Check elastic travel and visually inspect the ski brake function, interface areas between boot and binding, including AFD, lug height adjustment (if appropriate), and forward pressure. Count any deficiencies as Class I Deviations.

9. If more than the maximum number of Class I Deviations given in **Chart B** are found in the sample, or a single Class II Deviation is detected the sample fails and daily sampling must be conducted until the problem which led to the failed sample is found and corrected. For Troubleshooting Procedures following a Failed Inseason Inspection.
10. Record the date the sample was tested, the number of units tested the number of Class I and Class II (or III) Deviations, whether the sample passed or failed and any actions taken. There is no need to record the identity of units tested or actual Test Results.

CHART B - SAMPLE SIZE

Inventory Size	100	200	300	400	500	600	700	800	900
Sample Size Units	16	20	30	40	50	60	70	80	80
Maximum Class I Dev.	3	4	6	8	10	12	14	16	16

RENTAL SKIER INSTRUCTION AND WARNING

In principle an adjustment report is established by the ski shop and delivered to the user.

It shall at least contain the following information:

- skier's parameters,
- indicator value,
- measured value of Mz and My, or pass/fail result of the system test.

The exact content of the report and its delivery conditions are defined by the national standard organizations 11088.

Explanation of entry/exit/re-entry:

The proper use of the system (entry, exit and re-entry) should be explained using the skier's own system as an example.

Explanation of specific instructions

It is required that the dealer explains to the skier, specific instructions included in the instructional pamphlet (ex: transition of walking mode to skiing mode in case of backcountry binding...).

RETAIL GUIDELINES

Armada bindings require a minimum of maintenance to enhance performance and their useful life. They should be cleaned, inspected and lubricated prior to each season and every 15-20 skier days per season as follows:

- Inspect all components of each set for damage or excessive wear.
- Repair or replace damaged or excessively worn parts and/or components.
- Clean the exposed areas of the components with a cloth or rag. Wipe any dirt or grit from the binding housings, heel track and the region under the heel cup. Do not use solvents or hot water or high pressure liquid cleaning systems to clean bindings. Solvents may cause permanent damage to the plastic structure by dangerously modifying the product technical characteristics. The markings can also be erased.
- Apply Armada grease to the lubrication points indicated for each model. Do not use silicone or penetrating oils unless the lubricant is specifically approved.
- Recommend to the skier that routine maintenance and inspections be performed by an Authorized Dealer. This will help ensure that any problem that may develop with the system can be detected and corrected by a trained technician.

RENTAL GUIDELINES

Proper maintenance of rental systems includes a complete inspection of the entire rental inventory prior to the ski season. Bindings should be cleaned, inspected and lubricated in the following manner:

- Inspect all components for damage or excessive wear. Repair or replace damaged or excessively worn parts and/or components.
- Remove the toe by sliding it off the front plate.
- Visually or manually check, the pedal, the locker working and screw tightness.
- Remove the heel by sliding the housing off the rear of the track.
- Visually or manually check, brakes function, locker working, screw tightness.
- Clean the exposed areas of the components with a cloth or rag. Wipe any dirt or grit from the binding housings, heel track and the region under the heel cup. Do not use solvents, hot water or high pressure liquid cleaning systems to clean bindings. Solvent may cause permanent damage to the plastic structure by dangerously modifying the product technical characteristics. The markings can also be erased.
- Apply Armada grease to the lubrication points indicated for the appropriate model. Do not use silicone or penetrating oils unless the lubricant is specifically approved.
- Slide the heel back on the track.
- The brake is removable to facilitate ski maintenance.
- This should be followed by periodic in-season inspections and when a binding looks particularly dirty or if visual inspection reveals that something may be wrong. This helps to ensure that all components are functioning correctly.

Never attempt to interchange any SR, SC or retail toe baseplates or heel tracks with other model baseplates or heel tracks.

RENTAL POST SEASON STORAGE

To prepare rental equipment for summer storage:

- All binding visual indicator adjustments should be reduced to the lowest setting. Do not attempt to adjust the release setting below the lowest setting as damage may result.
- The binding heels should be stored in the closed position.
- The equipment should be stored in a cool, dry and ventilated area away from direct sunlight.

BROKEN MOUNTING SCREW

Armada screw extractor kit: it comes with two bits of different lengths.

The longer bit is for use with the Armada jigs for adult skis.

The shorter bit should be used with the Armada jigs for junior skis.

The procedures for using both bits are the same. When a screw or tap breaks in a ski, it must be removed carefully to avoid further damage.

Follow this procedure:

1. Fit the extractor drill bit into the electric drill with the shoulder touching the chuck.
2. Fasten the appropriate jig onto the ski.
3. Position the correct jig bushing directly over the broken screw.
4. Drill slowly around the broken screw using an up-and-down movement to let the shavings escape.
5. Continue until the chuck touches the bushing of the jig.

Caution: do not hit the screw.

6. The broken screw will come out inside the extractor bit.
7. Remove the screw using a pair of pliers.
8. Turn the ski over and tap lightly to remove all shavings.
9. Put a drop of glue into the hole.
10. Insert a plug from the kit using a hammer.
11. Insert binding screw and tighten using a hand driver. Do not over tighten.
12. When a hole simply needs to be widened to accept the plastic plugs, use an 8 mm diameter bit. Do not drill deeper than 10 mm.

STRIPPED SCREWS

For a stripped screw, use the repair kit L0008780001. For this operation, use the corresponding jig and position it properly by lining it up with the hole to be repaired.

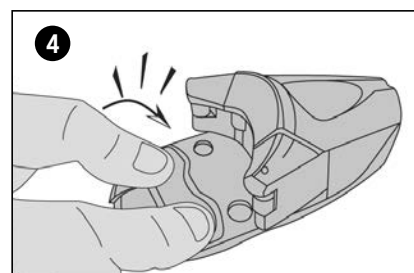
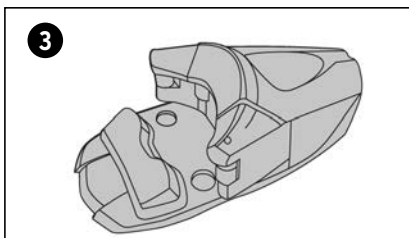
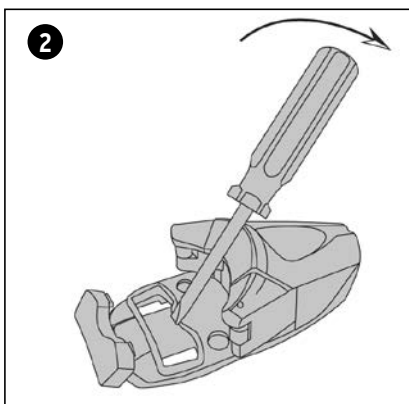
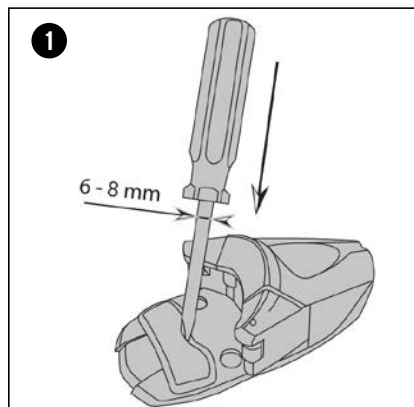
When drilling, the drill bit must be perpendicular to the surface of the ski.

Make sure you don't go beyond the plug once it is in place. You can file it down to make it level with the surface.

L7, L10, C5 GW, L6 GW, L10 GW ANTI FRICTION PLATE REPLACEMENT

1. Insert a screwdriver width 6-8 mm at the front of the plate (**fig. 1**).
2. Move over the screwdriver to eject the plate (**fig. 2**).
3. Place the new plate and hand clip it (**fig. 3 & 4**).

Caution: for models with elastic pedal (range 08), check the presence of the elastic block under the pedal (**fig. 5**).



TRACEABILITY INFORMATION ON BINDINGS

IN CASE OF WARRANTY, THE TRACEABILITY CODE OF THE PRODUCT IS REQUIRED.

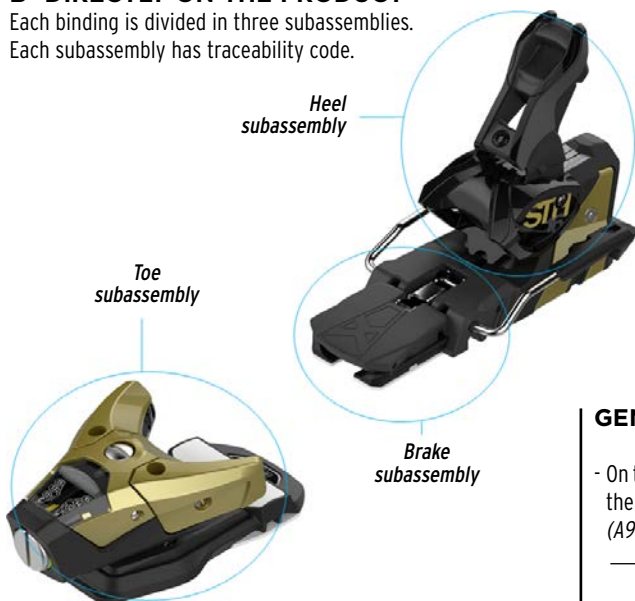
WHERE TO FIND THE INFORMATION?

A- ON THE LABEL OF THE BINDING BOX

- **First numbers:** Production year (example 18 for year 2018)
- **Second numbers:** Printing label day (example: 267th day of the year 2018)

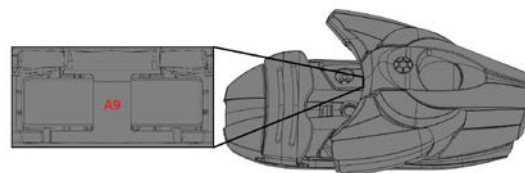
B- DIRECTLY ON THE PRODUCT

Each binding is divided in three subassemblies.
Each subassembly has traceability code.

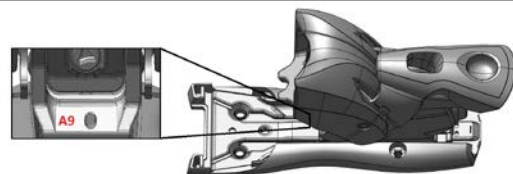


GENERAL LOCATION

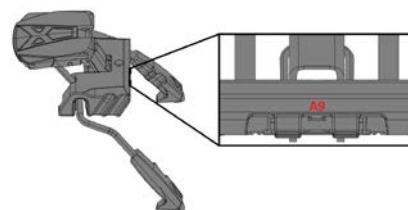
- On the Toe : in front between the two wings, 3 or 2 digits (A9 is an example)



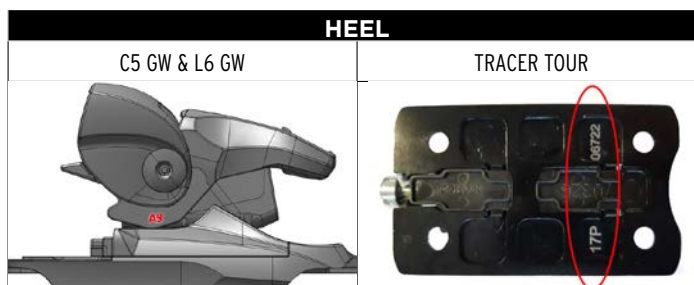
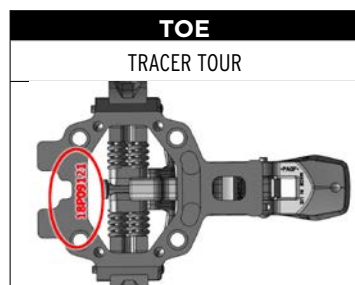
- On the heel: On the base below the cuff, 3 or 2 digits (A9 is an example)



- On the brake, 3 or 2 digits (A9 is an example)



EXCEPTION



NOTES

Handwriting practice lines consisting of 20 horizontal dotted lines.



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