

TECHNICAL MANUAL NORDIC

10/11

SALOMON **2010-2011**

boots

ADJUSTMENTS	3
IN-STORE REPAIRS	4
FIT PROBLEMS AND SOLUTIONS	5
BOOT MAINTENANCE	5
INSTRUCTIONS TO STEP-IN PILOT BOOT	5
CUSTOM FIT PROCEDURE	6
SIZE CHARTS	7

bindings

TECHNICAL DESCRIPTIONS	8
MOUNTING ADVICES & RECOMMENDATIONS	10
DISMOUNTING	19
REMOUNTING	20
MAINTENANCE / SERVICE	26

nordic skis

PREPARATION AND MAINTENANCE	27
-----------------------------	----

snowshoes

TECHNICAL DESCRIPTIONS AND ADJUSTMENTS	27
--	----

INTERNATIONAL WARRANTY

The warranty applies only to products sold by an Authorized Salomon Dealer.

Salomon Cross-Country products are warranted against any manufacturing defects for the duration of one year from the date of purchase. The Retailer must inform the customer of this.

Complementary guarantees may exist according to respective regional legislative systems.

The only obligation incumbent upon Salomon under this warranty is to replace the faulty product with a new pair of boots or bindings within the limits of available stock.

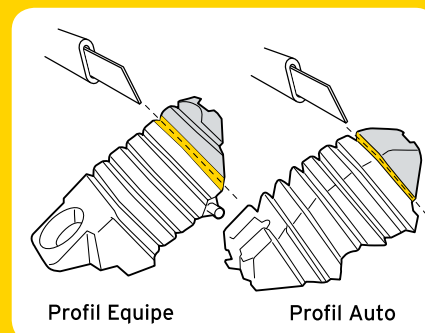
This warranty does not cover damage occurring during transport or while in storage, nor which results from misuse of product, normal wear and tear, or from modifications of the product.

In case of damage to a product caused by an accident or misuse, please consult your Salomon Customer Service Representative for advice on possible repair or replacement.

This technical manual has been printed for use by Salomon Authorized dealers. Please keep a copy of this and earlier manuals on hand for quick, easy reliable reference for providing skiers with the highest standard of shop practice.

COMPATIBILITY PILOT® / PROFIL®

Using SNS® Pilot® boots together with SNS® Profil® bindings is not recommended, as the level of performance and comfort is not optimal. Nevertheless, it is possible to ski in this configuration, as the problems of comfort can easily be solved by modifying the flexor as follows:



To improve compatibility with old Profil Auto bindings Salomon recommends to use:

- Specific Flexor available under reference 258239
- Specific ridge plate available under reference 788471

ADJUSTMENTS

SENSIFIT®

› Overlap construction (fig. 1)

Advanced tightening technology: precise envelopment of the foot for better control and transmission.

› PU Lycra/foam construction and rapid lacing system (fig. 2 + 4)

A real second skin for transmission of sensations. Precise foot hold with one pull.

› Internal fit system around the instep (fig. 3)

Unequaled comfort and fit.

Adaptation to different foot shapes. (fig. 2).

ONE-PULL LACING

(fig. 4)

The one-pull lacing system replaces traditional laces with aramid fiber cables.

Important: Do not over-tighten to avoid getting cold due to poor circulation.

LOCKING HOOK

(fig. 5)

Holds the laces tight while lacing.

Adjustment: Pull the two laces to get the desired fit. Without loosening the laces, pull them forward to insert them in the locking hook. To unlock the laces, pull them backward until you hear a little 'click'.

ADJUSTABLE HEEL STRAP

(fig. 6)

Adaptation to the foot shape for perfect hold.

Adjustment: Adjust the length of the self-attaching strap on the external side of the boot according to your morphology.

LOWER LEG MEMO STRAP

(fig. 7)

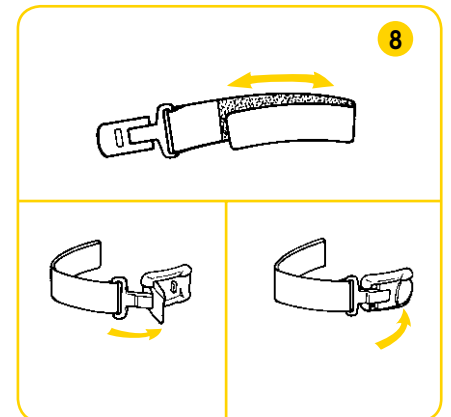
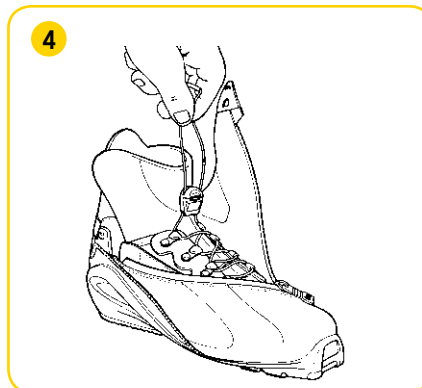
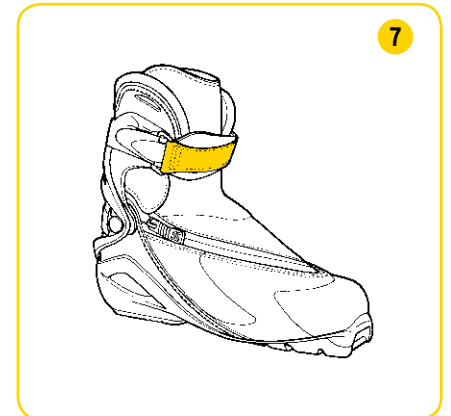
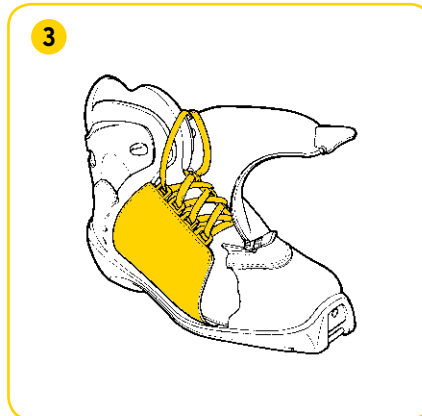
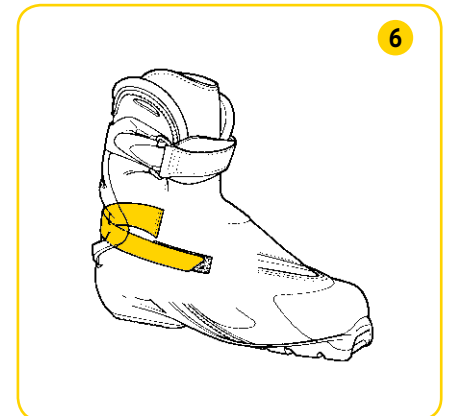
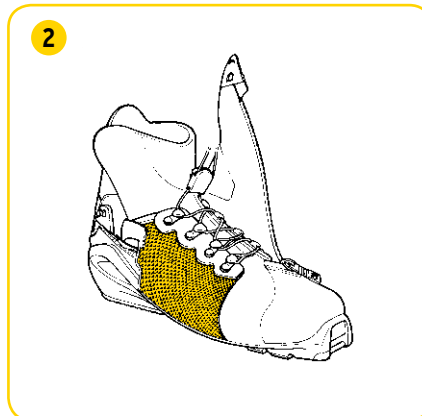
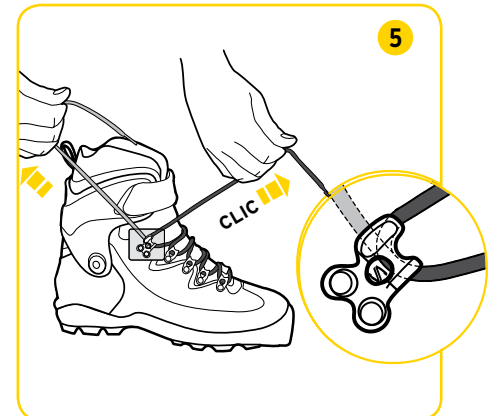
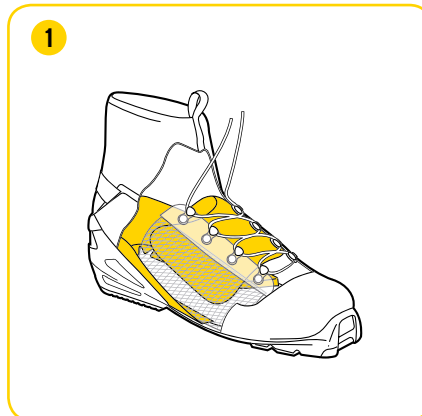
With this memo strap, the boot cuff offers a perfect fit. (different closure systems depending on the model).

Adjustment: Adjust length with the self-attaching strap (fig. 8).

POWER LACE

(fig. 9)

Easy and efficient heel locking system combined with easy lace for perfect foothold and ease of use.



IN-STORE REPAIRS

REPLACING THE HINGE NAILS

Caution: make sure all the pieces of the broken hinge nail are removed from the inside of the boot before replacing it with a new one (fig. 1).

To clip a new hinge nail into place, place it on the axis and apply pressure to the hinge nail and from the inside of the boot at the same time.

REPLACING THE RAPID LACING CABLE

Remove old cable and put new cable according to original way depending model. (fig. 2 & 3).

REPLACING THE ENERGYZER®

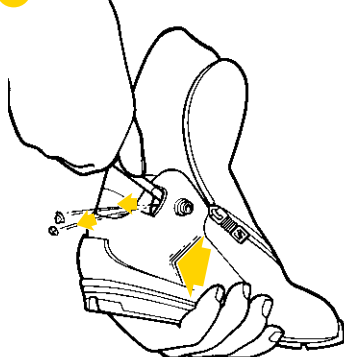
Holding the bottom of the Energyzer® against the heel, push the top of the Energyzer® towards the front of the boot to make it come out of its hinged axis (fig. 4a).

Mounting the new Energyzer®: Reverse the instructions (fig. 4b).

HEAT-MOLDED INSOLES

Important: Replace worn insoles for improved comfort. For all other problems, please contact your Salomon Customer Service Representative.

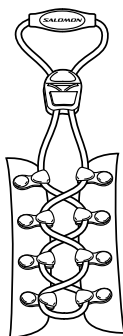
1



4a



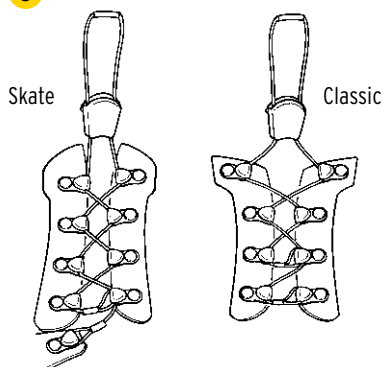
2



4b



3



FIT PROBLEMS AND SOLUTIONS

IF THE BOOT IS TOO NARROW

- Try the next larger size. If this bigger size is too long, use the first size tried and replace the insole in the boot (4.5 mm) with a thinner one (3 mm).
- If the boot is too tight at a given point of the foot (at the toes for example), it is possible to solve the problem by grinding and thinning the insole in the problem area in order to increase volume inside the boot.

CHAFED OR BLISTERED HEEL

- Verify that the boot is the correct size.
- Make sure the customer is wearing an appropriate sock and the sock is not wrinkled inside the boot.
- For Racing boots, adjust the soft wrap heel strap for the proper heel fit.
- Recommend the use of a better sock.
- Add or subtract volume in the boot to keep the foot from moving around.

BLUE TOE NAILS

- Make sure that the boot is not too short.
- Replace the binding Flexor with a softer one.

BOOT MAINTENANCE

Proper care will increase the life of your boots. Please suggest this to your customer.

1. Remove the insole when drying out boots. Do not lay equipment on top of radiators or other heat sources and do not put in a microwave oven.
2. Brush the boots with a soft brush or wipe them down with a soft cloth.
3. Clean boots using soapy water (no detergents or chemical products).
4. If necessary, apply weatherproofing treatments concentrating on flex zones and seams:
 - for leather models, use a product with a fluoride resin or silicone base;
 - for fabric/leather models, a waterproofing spray with a fluoride resin or silicone base.

For rentals, check the boots regularly: check the length and condition of the laces, insole, wear of heel pads and waterproofness of nylon parts.

INSTRUCTIONS TO STEP-IN PILOT BOOT

PURPOSE

To give instruction for people using Pilot for first time, to ensure a reliable and easy step in.

- Engage front axle first (photo 1).
- Close the lever (photo 2).
- Flex feet (photo 3).
- Engage second axle (photo 4).



CUSTOM FIT PROCEDURE

THERMOFORMING MACHINE

Before using the machine for the first time, return the guarantee card to your Customer Service Representative.

Follow the instructions for the thermoforming machine closely and pay particular attention to the rules on safety.

To guarantee good thermoforming, we have adapted a thermal sensor to our machines. If something is abnormal during the heating process, the machine will work alternately. If this is the case, contact the customer service in your country. Do not take the machine apart.

This machine is for exclusive use with Salomon Custom Fit boots. Any other use is forbidden.

PREPARING FOR USE

1. Remove the machine from its box and place it on a flat surface. Verify that the voltage used is the same as indicated on the machine) (fig. 1).
2. Lift the hood.
3. Lift the nozzles using the handles provided.
4. Close the boots and slide them onto the nozzles. Make sure that the top edge of the boot touches the obturator.

Attention: Any insoles used other than the ones received in the boots at the time of purchase should be removed before the heating procedure begins.

Re-install them after heating to mould the liners.

5. After having read and understood the machine's instructions, especially those on safety, you can now plug the machine in.

STARTING THE MACHINE

Set the timer for 15 minutes.

Warning: for optimal results, it is important that:

- the heating process lasts 15 minutes. Using the machine for more than 15 minutes can damage the boot.
- operate the machine with both boots in place (fig. 2).

PUTTING THE BOOT ON

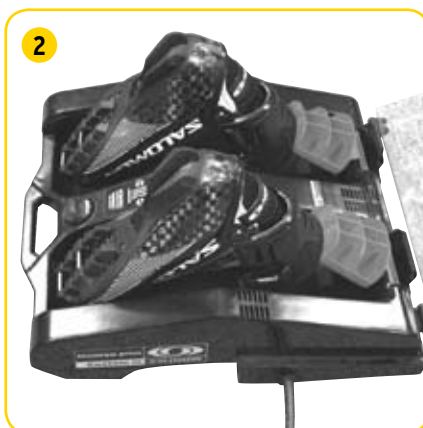
1. When thermoforming, you should only use high socks that have the following characteristics:
 - Socks that go higher than the top of the boot.
 - Socks with at least 45% wool.

Wearing normal, low-cut socks could cause skin reactions to the heating process.

2. Remove the boots from the machine.
3. Close the hood.
4. The machine is now available for thermoforming another pair of boots.
5. Open the boots.
6. The boots must be put on immediately following the end of the 15 minutes heating cycle.
7. Close the boots with medium pressure, not too tight.
8. Wait 10 minutes in a standing position (If you feel any discomfort whatsoever when stepping in, take your boots off immediately).
9. Remove the boots.

PRACTICAL ADVICE

- › Salomon recommends that no Custom Fit boot should be thermoformed more than three times.
- › To optimize the results of the thermoforming process, it is recommended that you make several flex movements during the 10 minutes cooling process to simulate the anklebone movements when skiing (fig. 3).
- › It is recommended to wait 1/2 hour before skiing with the boots, to allow complete stabilization of the thermoformed boot.



SIZE CHARTS

UK SIZE CHART

SENIOR				
UK	EUR	USA Men	USA Women	CM
3.5	36	4	5	22
4	36 ^{2/3}	4.5	5.5	22.5
4.5	37 ^{1/3}	5	6	23
5	38	5.5	6.5	23.5
5.5	38 ^{2/3}	6	7	24
6	39 ^{1/3}	6.5	7.5	24.5
6.5	40	7	8	25
7	40 ^{2/3}	7.5	8.5	25.5
7.5	41 ^{1/3}	8	9	26
8	42	8.5	9.5	26.5
8.5	42 ^{2/3}	9	10	27
9	43 ^{1/3}	9.5	10.5	27.5
9.5	44	10	11	28
10	44 ^{2/3}	10.5	11.5	28.5
10.5	45 ^{1/3}	11	12	29
11	46	11.5	12.5	29.5
11.5	46 ^{2/3}	12	13	30
12	47 ^{1/3}	12.5	13.5	30.5
12.5	48	13		31
13	48 ^{2/3}	13.5		31.5

JUNIOR			
UK	EUR	USA Junior	CM
9 K	27	9.5	16
10 K	28	10.5	17
11 K	29	11.5	18
11.5 K	30	12	18.5
12 K	30.5	12.5	18.5
12.5 K	31	13	19
13 K	31.5	13.5	19.5
13.5 K	32	1	20
1	33	1.5	20
1.5	33.5	2	20.5
2	34	2.5	21
2.5	35	3	21.5
3	35.5	3.5	22

EUR SIZE CHART

SENIOR				
UK	EUR	USA Men	USA Women	CM
1	33	1.5	2.5	20.5
1.5	34	2	3	21.5
2.5	35	3	4	22
3.5	36	4	5	22.5
4	37	4.5	5.5	23.5
5	38	5.5	6.5	24
5.5	39	6	7	24.5
6.5	40	7	8	25.5
7	41	7.5	8.5	26
8	42	8.5	9.5	26.5
9	43	9.5	10	27.5
9.5	44	10	11	28
10.5	45	11	11.5	28.5
11	46	11.5	12.5	29.5
12	47	12.5	13.5	30
13	48	13.5	14	30.5
13.5	49	14	15	31.5
14.5	50	15	15.5	32

JUNIOR			
UK	EUR	USA Junior	CM
7	24	7.5	14.5
7.5	25	8	15.5
8.5	26	9	16
9	27	9.5	16.5
10	28	10.5	17.5
11	29	11.5	18
11.5	30	12	18.5
12.5	31	13	19.5
13	32	13.5	20

bindings

OVERVIEW

SNS BOOTS/BINDINGS COMPATIBILITY
& PERFORMANCE

SNS WEDGE

TECHNICAL DESCRIPTION BINDINGS

MOUNTING ADVICES &
RECOMMENDATIONS

MOUNTINGS EXPLANATION BY
CONCEPTS

DISMOUNTING BINDINGS

REMOUNTING BINDINGS

SNS BINDINGS & "NIS PLATES"

FLEXORS

BINDINGS MAINTENANCE

ROLLER SKIING

TECHNICAL DESCRIPTION BINDINGS

SNS® PILOT®

SNS PILOT

SNS® Pilot® Equipe classic (fig. A)

- 1 - Profiled guide ridge
- 2 - Cap rear screw
- 3 - Lever
- 4 - 2nd axis 'Control Link'
- 5 - Housing
- 6 - Casing
- 7 - Cap
- 8 - Spring (not visible)
- 9 - Flex
- 10 - Screw stiffness adjustment (not visible)

SNS® Pilot® Equipe skate (fig. B)

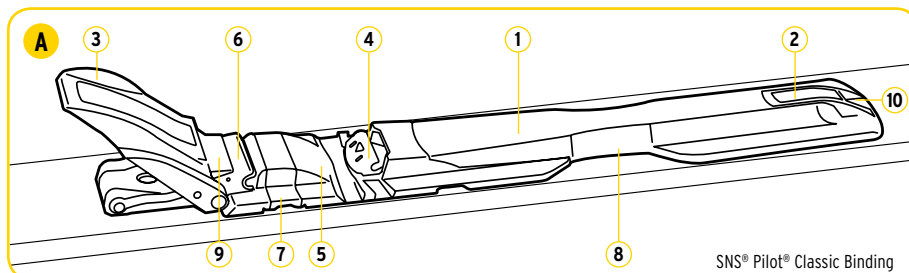
- 1 - Profiled guide ridge
- 2 - Heel plate screw
- 3 - Lever
- 4 - 2nd axis 'Control Link'
- 5 - Housing
- 6 - Casing

SNS® Pilot® Sport: Sport Classic / Sport classic women/ Sport Skate / Sport Junior (fig. C)

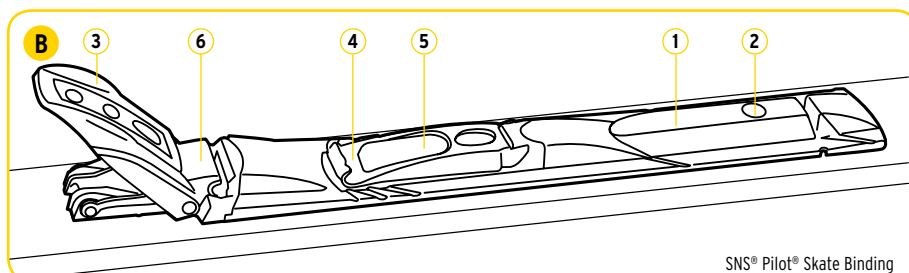
- 1 - Ridge plate
- 2 - Screw cap
- 3 - Push/Pull lever
- 4 - 'Control Link' 2nd axle
- 5 - SPS plate
- 6 - Energy spring: Classic or Skate

SNS Pilot Junior (fig. D)

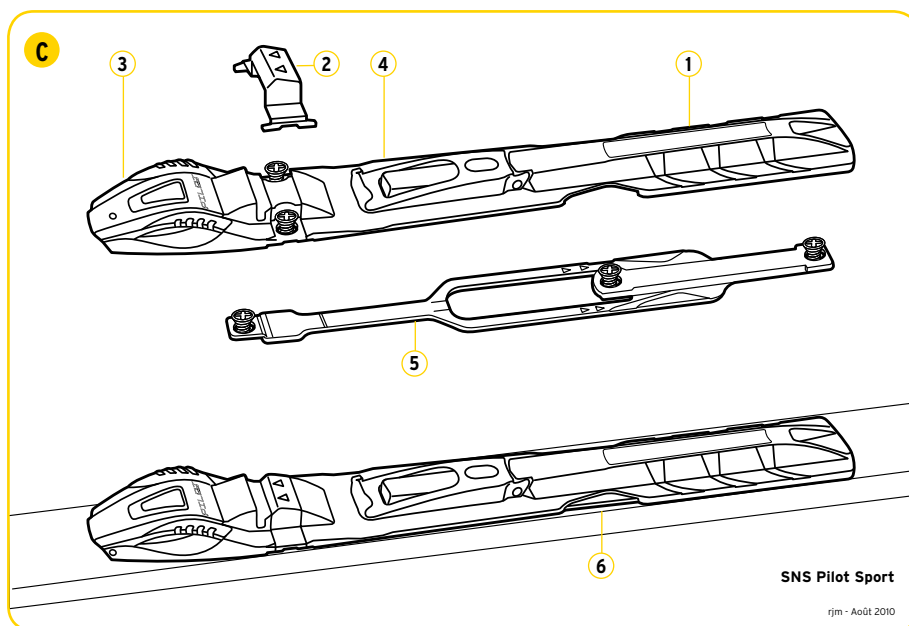
- 1 - Housing
- 2 - Lever
- 3 - "Control Link" 2nd axis
- 4 - SPS Plate
- 5 - Screw cap



SNS® Pilot® Classic Binding

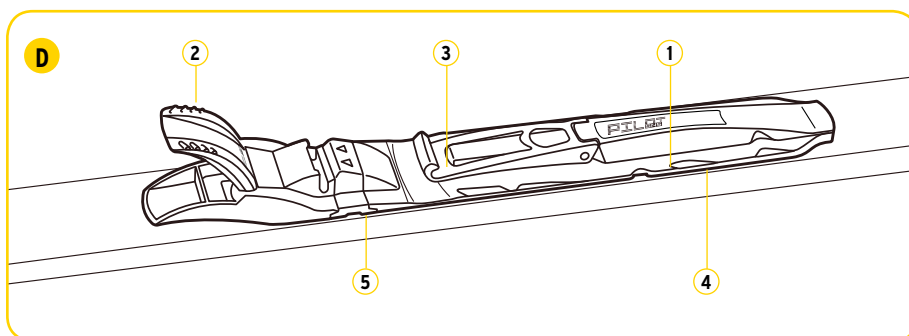


SNS® Pilot® Skate Binding



SNS Pilot Sport

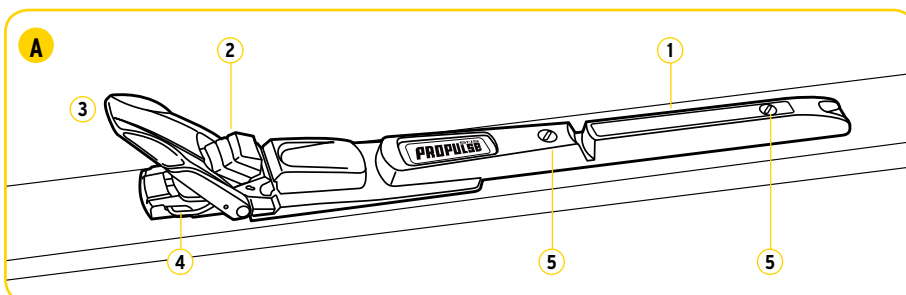
rjm - Août 2010



SNS® Propulse®

SNS® Propulse® RC/ SNS Propulse RC2 (fig. A)

- 1 - Profiled guide ridge
- 2 - Flexor
- 3 - Lever
- 4 - Energy lever
- 5 - Heel plate screw



SNS® Profil® SNS PROFIL

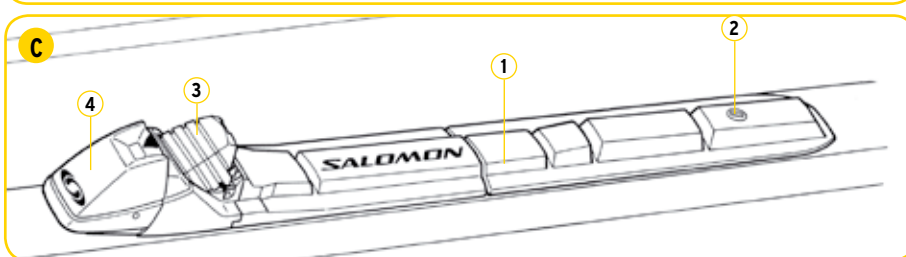
SNS® Profil® Manual: Profil Equipe skate/ Profil Equipe Classic/ Profil Active (fig. B)

- 1 - Profiled guide ridge
- 2 - Flexor
- 3 - Lever
- 4 - Cap
- 5 - Energy lever
- 6 - Housing
- 7 - Heel plate screw



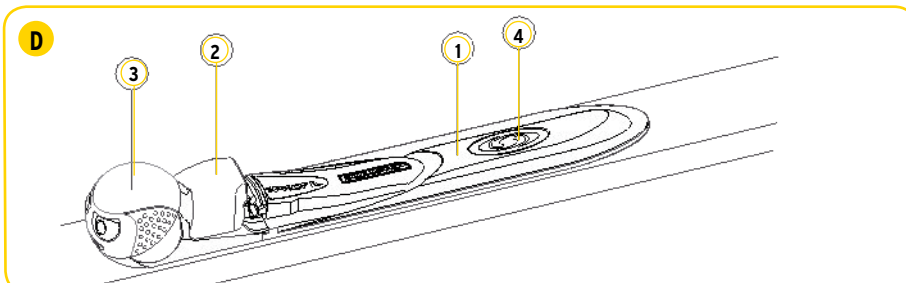
SNS® Profil® auto: Auto Men, Auto Universal, Auto Women, Auto Junior (fig. C)

- 1 - Profiled guide ridge
- 2 - Heel plate screw
- 3 - Flexor
- 4 - Exit lever



SNS® Profil® Snowmonster (fig. D)

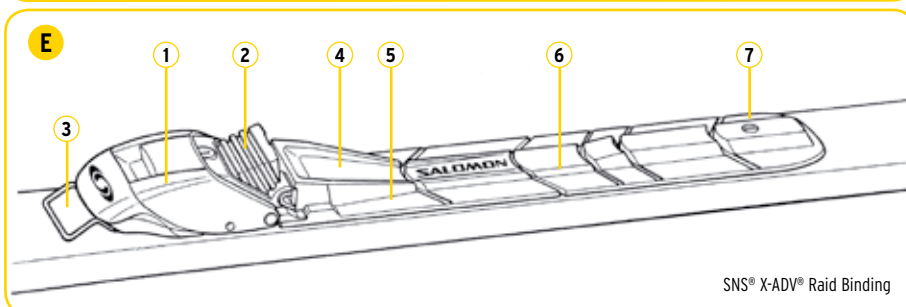
- 1 - Profiled guide ridge
- 2 - Flexor
- 3 - Entry/exit lever
- 4 - Logo sticker screw cover



SNS® XA®

SNS® X-ADV® Raid (fig. E)

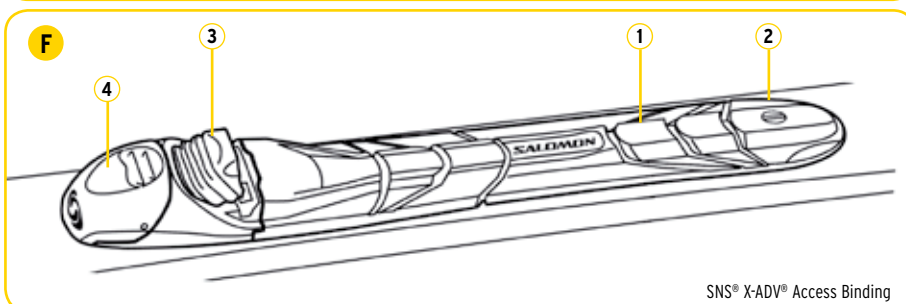
- 1 - Lever
- 2 - Flexor
- 3 - Deflector (safety strap attachment)
- 4 - Steering Wedge®
- 5 - Forward ridge
- 6 - Heel ridge
- 7 - Heel plate screw



SNS® X-ADV® Raid Binding

SNS® X-ADV® Access (fig. F)

- 1 - Profiled guide ridge
- 2 - Heel plate screw
- 3 - Flexor
- 4 - Exit lever



SNS® X-ADV® Access Binding

bindings

SNS BOOTS/BINDINGS COMPATIBILITY & PERFORMANCE

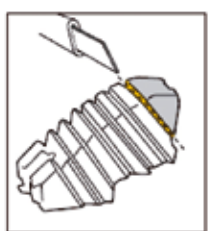
SNS PILOT boots have been developed to improve performance with SNS PILOT & SNS PROPULSE bindings, they have also been developed to be compatible with SNS PROFIL bindings.

In order to get maximum comfort and perfect compatibility when using SNS PROFIL bindings with SNS Pilot boots, it is recommended to change or modify the SNS PROFIL flexor as shown in the picture:

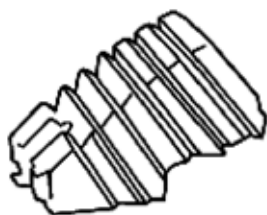
FLEXOR EQUIPE On SNS PROFIL Equipe bindings



FLEXOR AUTO On SNS PROFIL Auto bindings (Men, Women, Junior & Universal)



A specific ready to use compatible flexor for SNS Profil Auto bindings is available in after market (flex 105) (ref: 258239)



Note : a specific ridge plate is available (reference 788471). Only required for bindings older than 06/07 season (2 piece guide ridge).

MOUNTING ADVICES & RECOMMENDATIONS

1) JIGS: MOUNTING POSITION BY CONCEPTS



The Salomon JIG has 7 holes with color coding to identify the necessary holes to be made to mount the different types of SNS Bindings.

JIG Sticker:



› SNS® Pilot® / SNS® Pilot® Sport/ SNS® Propulse® / SNS® Profil® Auto bindings require the 5 following holes on the JIG to be mounted:

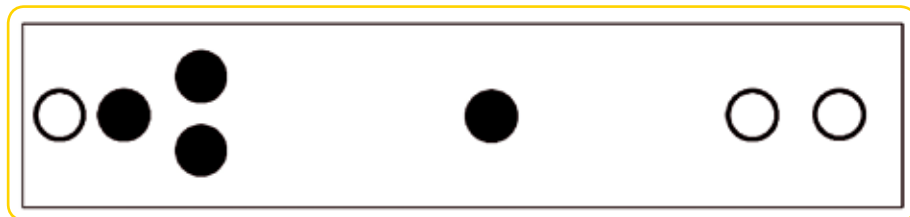


› SNS® Profil® Equipe bindings require the 4 following holes on the JIG to be mounted:

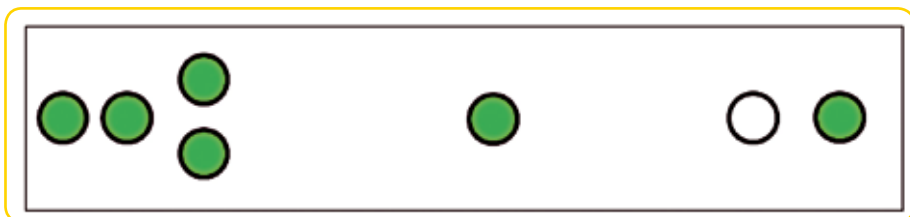


	1x2	Ridge plate Profil Auto Universal	■ 78847101
--	-----	-----------------------------------	------------

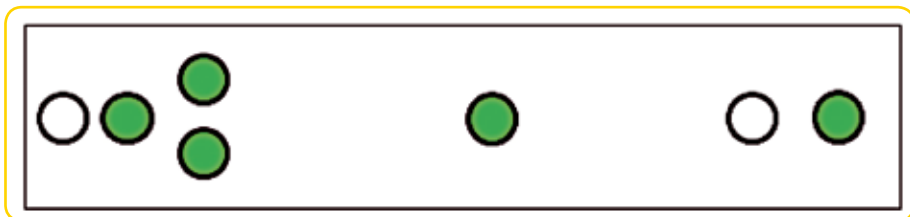
› SNS® Profil® Snowmonster bindings require the 4 following holes on the JIG to be mounted:



› SNS® XADV® Raid bindings require the 6 following holes on the JIG to be mounted:



› SNS® XADV® Access bindings require the 5 following holes on the JIG to be mounted:



2) DRILLING SPECIFICATIONS BY CONCEPTS

Skiing Practices	Models	JIG mounting position	Driller	Screws specifications		
				Position	Diameter	Lenghts
Skating	SNS Pilot Equipe Skate		3,6 x 15		Ø6,3	19,5
	SNS Wedge/SNS Wedge 60 + Pilot Equipe skate		3,6 x 15		Ø6,3 Ø6,3	19,5 23
	SNS Pilot Sport Skate		3,6 x 15	SPS plate 	Ø6,3 Ø6,3	19,5 19,5
	SNS Profil Equipe Skate		3,6 x 15		Ø6,3 Ø6,3	17,7 Small head 19,5
Combi	SNS Profil Active		3,6 x 15		Ø6,3 Ø6,3	17,7 Small head 19,5
Classic	SNS Propulse RC		3,6 x 15		Ø6,3 Ø6,3	17,7 Small Head 19,5
	SNS Propulse RC2		3,6 x 15		Ø6,3 Ø6,3	17,7 small head 19,5
	SNS Pilot Equipe Classic		3,6 x 15		Ø6,3 Ø6,3	19,5 15,5
	SNS Pilot Sport Classic		3,6 x 15	SPS plate 	Ø6,3 Ø6,3	19,5 19,5
	SNS Pilot Sport Classic women		3,6 x 15	SPS plate 	Ø6,3 Ø6,3	19,5 19,5
	SNS Profil Equipe Classic		3,6 x 15		Ø6,3 Ø6,3	17,7 small head 19,5
Touring	SNS Profil Auto Men		3,6 x 15		Ø6,3	19,5
	SNS Profil Auto Women		3,6 x 15		Ø6,3	19,5
	SNS Profil Auto Universal		3,6 x 15		Ø6,3	19,5
Junior	SNS Pilot Sport Junior		3,6 x 9,5	SPS plate 	Ø6,3 Ø6,3	15,5 15,5
	SNS Pilot Junior		3,6 x 9,5	SPS plate JR 	Ø6,3 Ø6,3	12 15,5
	SNS profil Equipe Junior		3,6 x 9,5		Ø6,3 Ø6,3	14,5 small head 15,5
	SNS Profil Auto Junior		3,6 x 9,5		Ø6,3	15,5
			3,6 x 9,5 3,6 x 8		Ø6,3 Ø5,4	15,5 10
	SNS Profil Snowmonster		3,6 x 9,5		Ø6,3	15,5
			3,6 x 9,5 3,6 x 8		Ø6,3 Ø5,4	15,5 10
Back Country	SNS XADV Raid		3,6 x 15		Ø6,3 Ø6,3	26 19,5
	SNS XADV Access		3,6 x 15		Ø6,3	19,5

3) GENERAL MOUNTINGS RECOMMENDATIONS

Standard ISO 9119 :

SNS® bindings have to be mounted with skis in compliance with ISO 9119 standard to ensure the right level of performance, reliability and safety.

The standardized dimensions for the bindings' mounting area allow:

- ski manufacturers to place ski inserts within the defined area,
- binding manufacturers to determine the dimensions of the junction zone for the bindings parts, positioning of the screws...

Skis and bindings built according to the standard ISO 9119 are compatible.

1) Advice positioning of the JIG:



Line up the mid-point indicator on the JIG with the ski manufacturer's mid-point indicator. If there is no mid-point indicator, balance the ski to locate the mid-point.

Salomon recommends to mount SNS bindings 1 centimeter behind balance point (excepted Junior) on skis unless instructed otherwise by the ski manufacturer.

2) Selecting and fitting the drill bit (fig. A2)

Select the recommended special cross-country drill bit. Caution: the drilling diameter of the ridge must be 3.6 mm.

3) Drilling and cleaning (fig. A3)

Using the bushings on the jig for position, drill the holes that correspond to the binding being mounted. Turn the ski over and tap gently with the palm of your hand to remove the shavings from the holes. Clean the surface of the ski.

4) Mounting the bindings (fig. A4)

Place a small drop of Salomon glue into each hole and put the binding in place. Screw down the binding using the Salomon n° 3 posidrive screwdriver.

Screwing force advice

SNS Bindings on flat skis:

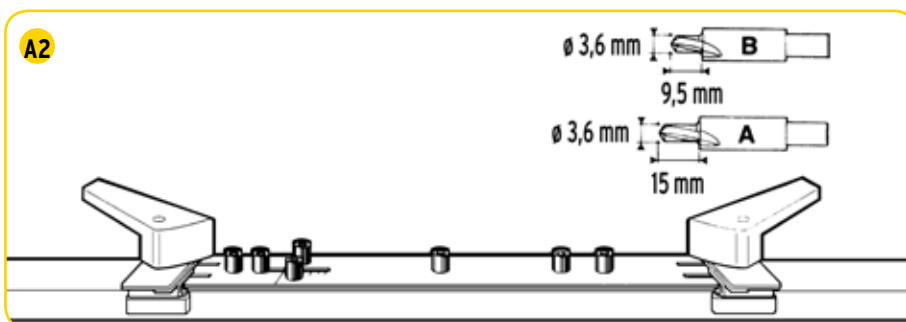
When mounting SNS bindings, screws should be tightened with a torque of 3.6 NM

For SALOMON skis, the recommendations for bindings mounting position are the followings:

	177	182	187	192
S-LAB EQUIPE 10 SKATE	BP-1 cm	BP-1cm	BP-1,5 cm	BP-2 cm / BP-1,5 cm
	For all sizes			
EQUIPE 9 SKATE / VITANE	BP-1 cm			
EQUIPE 8 SKATE				
EQUIPE 7 SKATE				
	For all sizes			
EQUIPE CLASSIC	BP-1 cm			
	For all sizes			
ELITE 9 AERO CLASSIC/ VITANE / GRIP	BP-1 cm			
ELITE 7 CLASSIC	BP			
ELITE 6 CLASSIC / VITANE / GRIP	BP			
ELITE 5 CLASSIC / GRIP	BP			
	For all sizes			
SNOWSCAPE	BP			
	For all sizes			
X-ADV	BP			

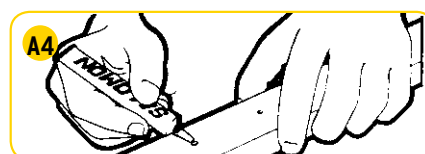
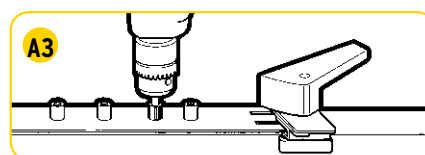
When positioning the JIG prior to drill skis:

- Ensure stable JIG position on ski.
- The JIG must be in contact with ski top surface.
- The JIG must not move when drilling.
- The JIG block must not be in contact with bench when drilling.



SNS bindings on NIS plate:

- When mounting SNS bindings on NIS plates, screws should be tightened with a torque of 3.6 NM .
- When done manually, the screws should not be tightened to the maximum to avoid crashing on NIS plates and unsure perfect functioning of the SNS bindings.

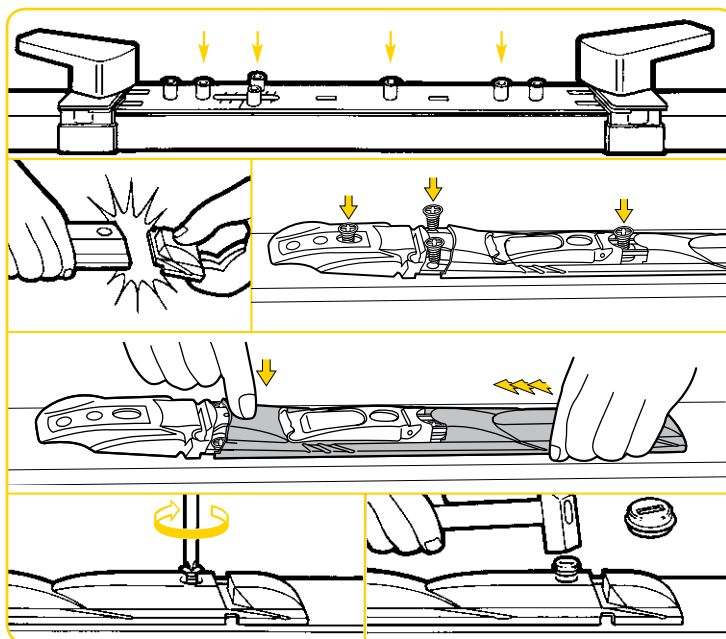


MOUNTINGS EXPLANATION

SNS Pilot Equipe Skate:

- 1) If necessary, break off the breakable section on the ridge according to the boot length.
- 2) Screw on the front sub-unit and tighten the central binding screw.
- 3) Slide the guide ridge forward making sure the clips go into their slots.
- 4) Tighten the rear screw and cover it with its cap.
- 5) Attach the tab to the lever. Then push on it with the point of a screwdriver to insert it in the lever.

Models	JIG mounting position	Driller	Screws specifications		
			Position	Diameter	Lengths
SNS Pilot Equipe Skate		3,6 x 15		Ø6,3	19,5

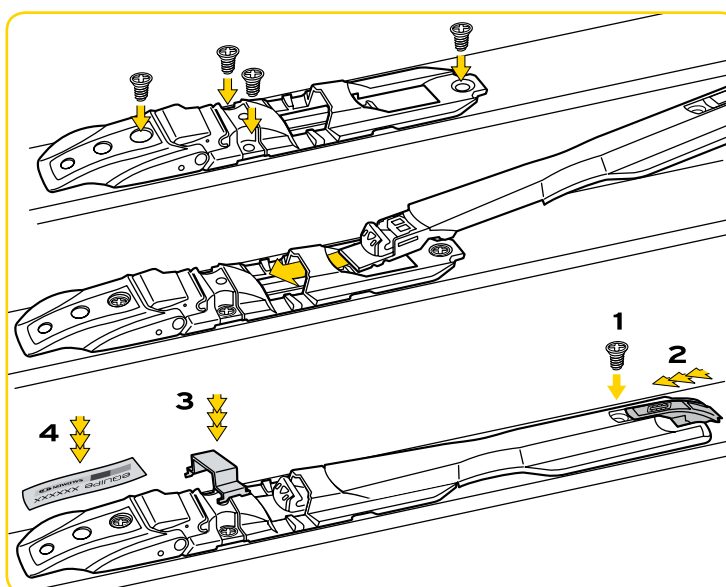


SNS Pilot Equipe Classic:

Drilling / Mounting :

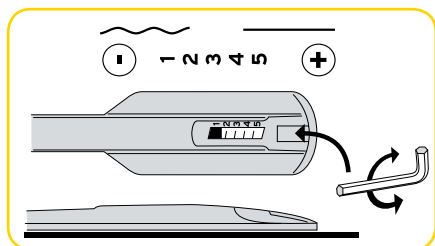
- 1) Screw on the front sub-unit (4 screws).
- 2) Slide the guide ridge forward making sure the clips go into their slots (lever must be shut).
- 3) Tighten the rear screw and clip its cap.
- 4) Put the sticker on the lever.

Models	JIG mounting position	Driller	Screws specifications		
			Position	Diameter	Lengths
SNS Pilot Equipe Classic		3,6 x 15		Ø6,3	19,5
				Ø6,3	15,5






Spring Stiffness Adjustment:

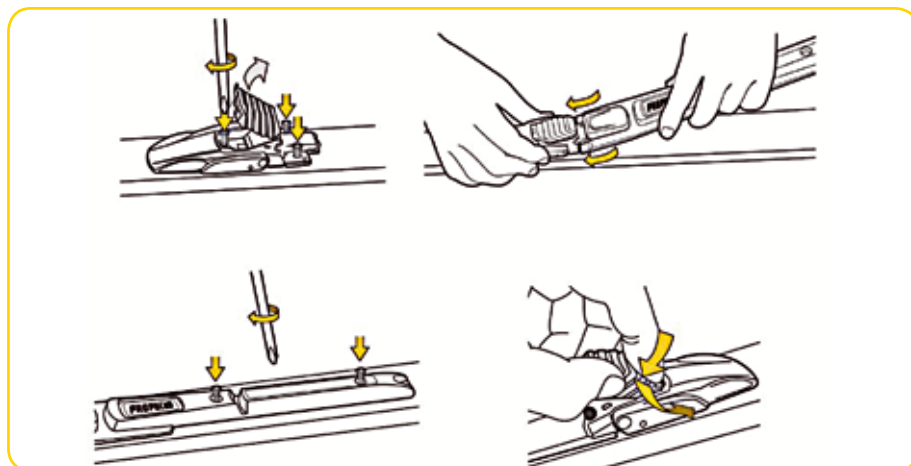
If necessary, the stiffness of the energy spring can be adjusted through the screw (value from 1-5). To start, we recommend to adjust the stiffness at level 2. Check ajustement cursor position is visible through window.



SNS Propulse RC/RC2:






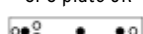
- Place a small drop of Salomon glue into each hole.
- Tighten the screws on the bindings using a n° 3 posidrive screwdriver.
- Make sure the lever on the binding is closed.
- Position the front part of the flexor by inserting it under the lever
- Visual check: Verify that the axis is correctly clipped on both sides. Open the lever and check that the front part of the flexor is correctly inserted into its lodging.
- Place the ridge facing forward on the ski and slide the two clips into the slots on the binding housing while keeping the rear part of the ridge up.
- Tighten the screws and clip on the heel plate screw.

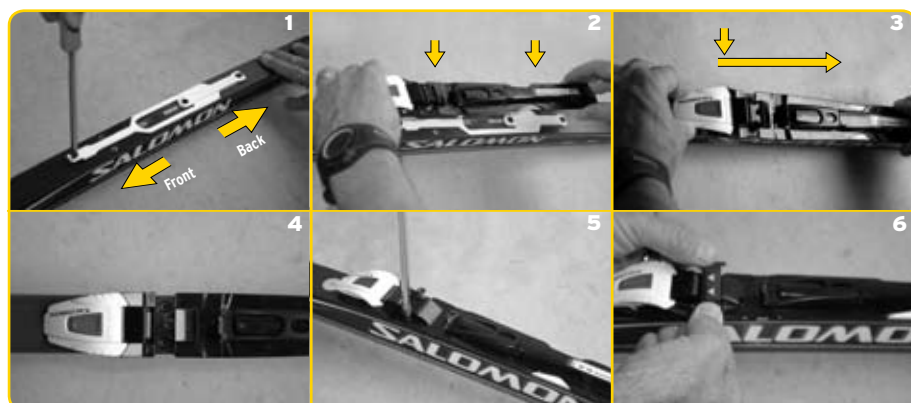
Models	JIG mounting position	Driller	Screws specifications		
			Position	Diameter	Lengths
SNS Propulse RC SNS Propulse RC2		3,6 x 15		Ø6,3	17,7 Small Head
				Ø6,3	19,5



SNS Pilot Sport/ SNS Pilot Junior:

- Tight first central screw on SPS plate and other's afterwards.
- Tight 3 SPS (Smart Plate System) plate screws with a torque of 3.6 Nm. Check mounting position and control centering and laying of SPS plate.
- On Pilot® Junior: open lever.
- Approach binding from front direction and engage it backward in SPS plate while leaning the binding against the ski
- Control correct position of binding and align front holes with ski.
- Tight 2 screws in front with a torque of 3.6 Nm and clip cap, narrow oriented in front direction.
- Control free opening and closure of Push/Pull

Models	JIG mounting position	Driller	Screws specifications		
			Position	Diameter	Lengths
SNS Pilot Sport Skate SNS Pilot Sport Classic SNS Pilot Sport Classic W		3,6 x 15	SPS plate		
				Ø6,3	19,5
SNS Pilot Sport Junior		3,6 x 9,5	SPS plate		
				Ø6,3	15,5
SNS Pilot Junior		3,6 x 9,5	SPS plate JR		
				Ø6,3	12
					15,5



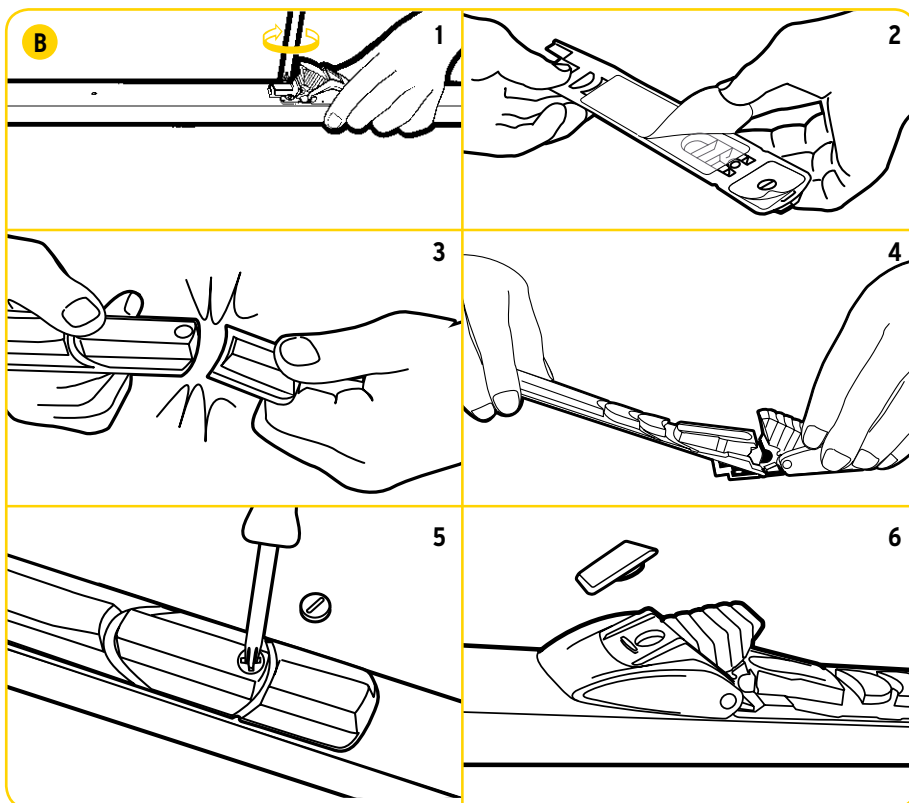
bindings

SNS Profil Equipe/ SNS Profil Snowmonster

- Place a small drop of Salomon glue into each hole.
- Tighten the screws on the bindings using a n° 3 posidrive screwdriver.
- Remove the adhesive strip from the ridge and break off the breakable section according to the boot length.
- Make sure the lever on the binding is closed.
- Place the ridge facing forward on the ski and slide the two clips into the slots on the binding housing while keeping the rear part of the ridge up.
- Ease the ridge into centered position on the ski.
- Tighten the rear screw and clip on the heel plate screw.
- With a scraper, press down on both sides of the ridge to make it stick on the ski.
- Place the screw cover cap over the forward screw and press down on it.

For SNS Profil Snowmonster: Place the logo sticker in the screw cover area to hide the screw

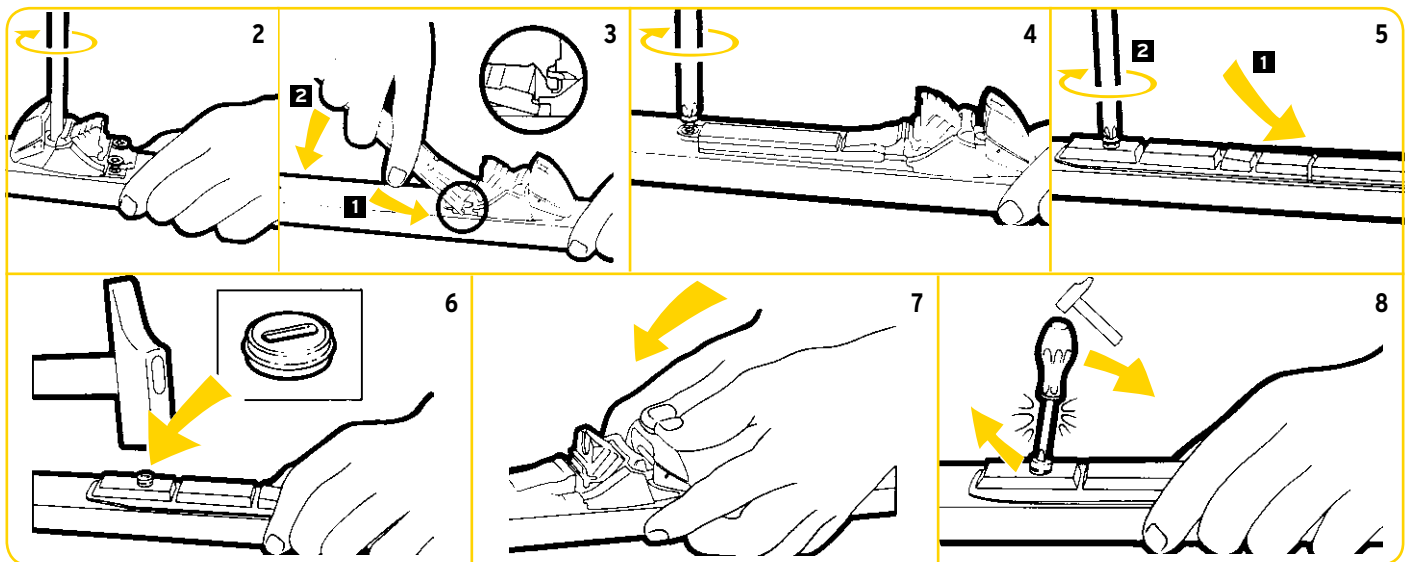
Models	JIG mounting position	Driller	Screws specifications		
			Position	Diameter	Lengths
SNS Profil Equipe Skate SNS Profil Active SNS Profil Equipe Classic		3,6 x 15		Ø6,3	17,7 Small Head
SNS profil Equipe Junior		3,6 x 15		Ø6,3	14,5 small head
SNS Profil Snowmonster		3,6 x 9,5		Ø6,3	15,5
		3,6 x 9,5		Ø6,3	15,5
		3,6 x 8		Ø5,4	10



SNS Profil Auto:

- Screw on the front sub-unit.
- Insert the ridge and screw on.
- Put the cap on with a hammer.
- Push on the lever to clip it on.
- Put the sticker on the middle screw

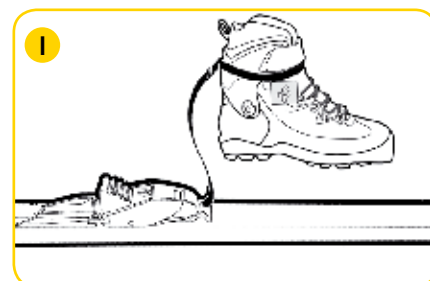
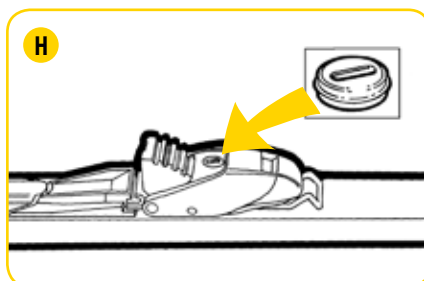
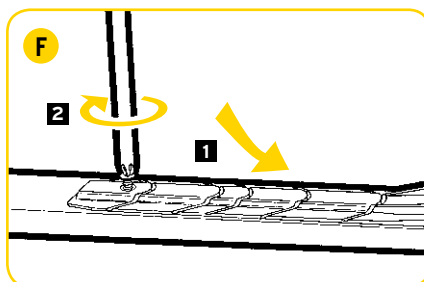
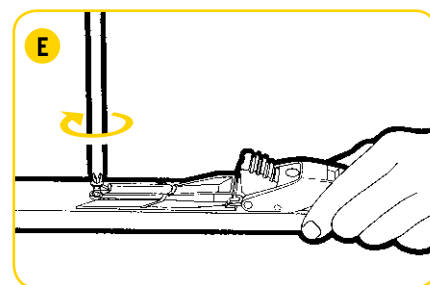
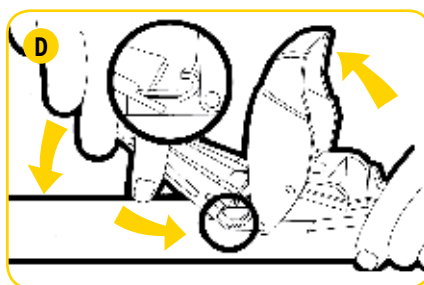
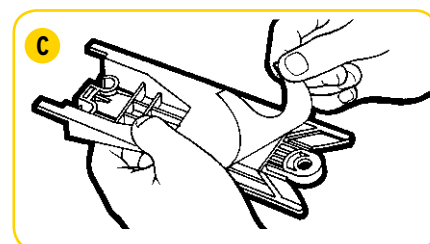
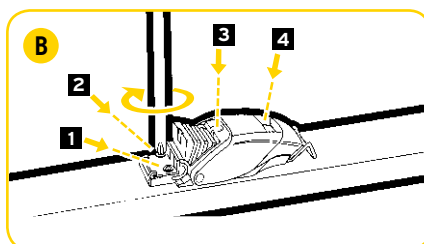
Models	JIG mounting position	Driller	Screws specifications		
			Position	Diameter	Lengths
SNS Profil Auto Men SNS Profil Auto Women SNS Profil Auto Universal		3,6 x 15		Ø6,3	19,5
SNS Profil Auto Junior		3,6 x 9,5		Ø6,3	15,5
		3,6 x 9,5	Ski <= 140 	Ø6,3	15,5
		3,6 x 8		Ø5,4	10



SNS XADV:

- Place a small drop of glue into the holes.
- Screw the bindings down using the Salomonn° 3 posidrive® screwdriver (fig. B-H).
- Prepare the profile guide ridge by removing the adhesive strip (fig. C).
- Insert and screw the front guide ridge (fig. D-E).
- Insert and screw the rear guide ridge (fig. F-G).
- Attach the safety strap to the binding (fig. I).

Models	JIG mounting position	Driller	Screws specifications		
			Position	Diameter	Lengths
SNS XADV Raid		3,6 x 15		Ø6,3	26
				Ø6,3	19,5
SNS XADV Access		3,6 x 15		Ø6,3	19,5



DISMOUNTING BINDINGS

GENERAL RECOMMENDATIONS FOR DISMOUNTING BINDINGS

If an epoxy glue (such as Araldite® etc.) has been used for gluing the screws: use an electric iron to heat the screw head for a few seconds.

DISMOUNTING STEPS BY CONCEPT

SNS PILOT EQUIPE SKATE

(fig. A)

- Remove the sticker for access to the first screw.
- Remove the guide ridge cap with a screwdriver for access to the rear screw

SNS PILOT EQUIPE CLASSIC

(fig. B)

- Adjust spring stiffness to its minimum value (1).
- To access to the rear screw, pull the guide ridge cap from the side.
- Dismount the screw.
- Shut the lever before lifting up and sliding backwards the guide ridge.
- Remove the sticker on the lever and dismount the 4 screws of the front sub-unit.

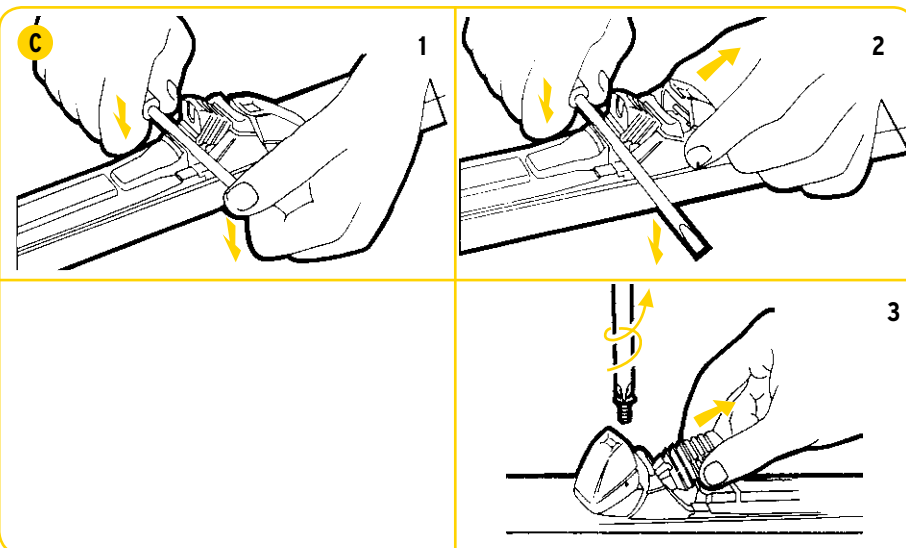
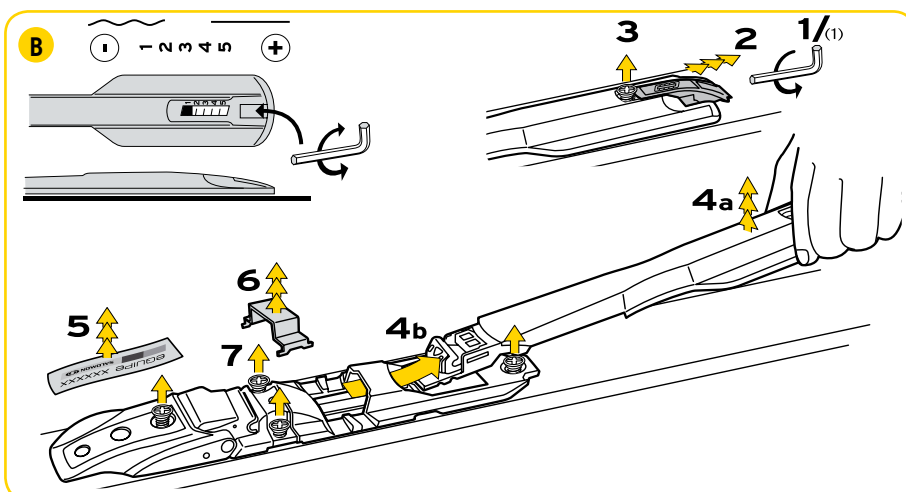
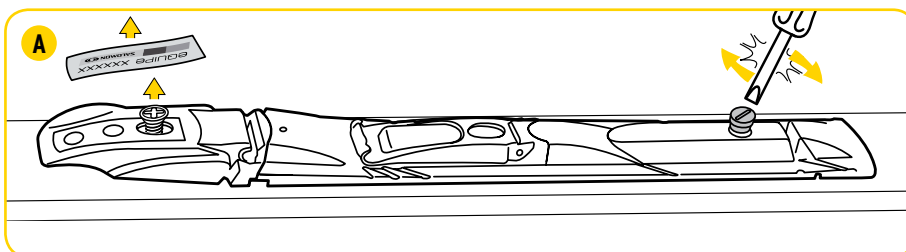
SNS PROFIL AUTO

(fig. C)

- Push down with a screwdriver to unclip the lever for access to the first mounting screw.

SNS PROFIL SNOWMONSTER

- Remove the logo (sticker) screw cover with a flat edge screwdriver.
- Unscrew the profiled guide ridge (1 screw).
- Unscrew the main body of the binding (3 screws).

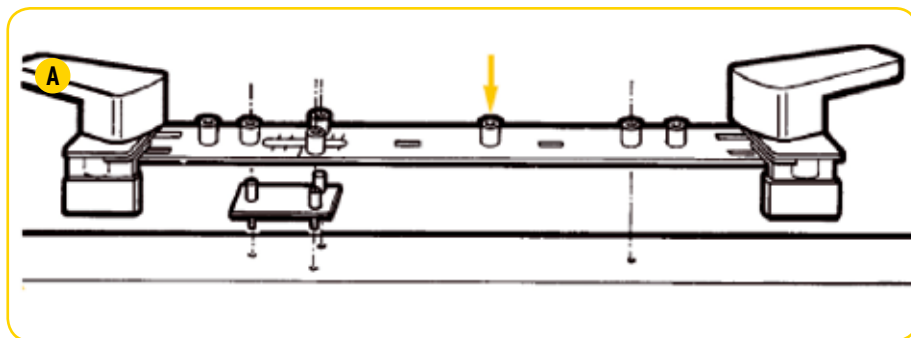


bindings

REMOUNTING BINDINGS

REPLACING SNS® PROFIL® BINDINGS:

Replacing SNS Profil that are already mounted on a ski with SNS Pilot® bindings, there is a 'centerer' that can be placed under the jig to ensure perfect alignment for drilling the additional hole.



PROCEDURE FOR REMOUNTING BINDING

Observation	Solution	Procedure
Verify the condition of the holes <ul style="list-style-type: none"> - Round - Not oval - Properly aligned - In a sound ski 	1. Remount the binding directly into the existing holes.	Follow-the-same-mounting procedure as for new skis. Note: If this fails, use solution 2.
<ul style="list-style-type: none"> - Oval - Not properly aligned - In a sound ski 	2. Use special cross-country plugs. <div data-bbox="437 1301 703 1532" data-label="Image"> </div> <p>To obtain the proper drilling depth:</p> <ul style="list-style-type: none"> - make sure the shoulder of the bit is flush with the drill chuck, - drill until the chuck bears down on the bushings of the jig. 	1. Position-the-jig-above-the existing holes. 2. Drill the three binding holes with the special Salomon bit. 3. Do not drill the hole corresponding to the guide ridge if it is mounted with a plastic plug. 4. Glue (epoxy only) and insert the repair plugs. 5. Wait for the glue to hold. 6. Follow the same mounting procedure as for new skis (see Mounting chapter).
<ul style="list-style-type: none"> - Round - Not oval - Properly aligned - In a racing ski (light structure) 	3. Mount the binding in the new holes.	1. Clean the ski and fill in the old holes with Salomon plugs. 2. Position the jig 15-mm behind the old holes. 3. Follow the same mounting procedure as for new skis.

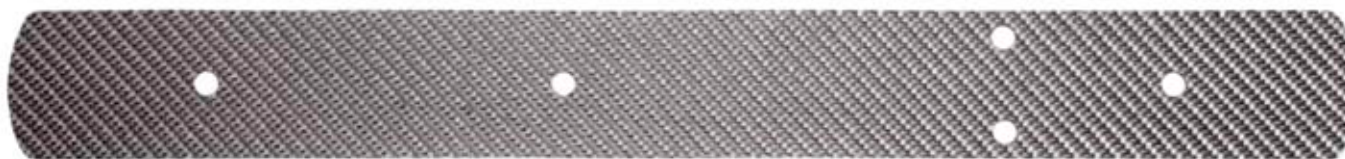
SNS BINDINGS & "NIS PLATES"

MOUNTING SNS BINDINGS ON NIS PLATES WITH INTERFACE ADAPTATORS

In order to grant maximum performance and reliability, we need to ensure a flat contact surface with the bindings, it is recommended to mount the bindings with:



SNS INTERFACE ADAPTATOR in composite for high level skis (reference 288240)



SNS INTERFACE ADAPTATOR II in ABS for leisure skis (reference 103399)



MOUNTING SNS BINDINGS ON NIS PLATES WITHOUT ANY INTERFACE ADAPTATORS

Screwing recommendations:

- When mounting SNS bindings on NIS plates, screw should be tightened with a torque of 3.6 NM .
- When done manually, the screws should not be tightened to the maximum to avoid crashing on NIS plates and unsure perfect functioning of the SNS bindings.

FLEXORS

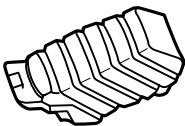



FLEX CHART BY PRACTICES & CONSUMER TYPE

Flex	Practices/ consumer types
Flex 100	Intermediate flex for classic style with more control
Flex 105	Compatible for skate and classic styles, provides better steering of the ski in touring classic
Flex 115	Skating stiffness for racers
Flex 120	Stiff skate flex for maximum control
Flex 155	Mid flex for backcountry which provides comfort
Flex 185	Stiff backcountry flex for maximum control
Flex 80-105 adjustable	Ideal flex & more comfort thanks to the adjustment of the spring according to boot size & technique
Flex 85	Soft flex for good amplitude in classic style
Flex 95	Smoother for women touring
Junior flex	Combi flex for juniors
Kid flex	Really soft flexor adapted to small kids' boots



FLEX BY SKIING PRACTICES AND MODELS

Skiing Practices	Flex	Models	Model flex
Skating	115 to 125	SNS Pilot Equipe Skate	115
		SNS Pilot Sport Skate	125
		SNS Profil Equipe Skate	115
Combi	105	SNS Profil Active	105
Classic	85 to 105	SNS Propulse RC	85
		SNS Propulse RC2	85
		SNS Pilot Equipe Classic	85 to 105
		SNS Pilot Sport Classic	100
		SNS Pilot Sport Classic women	100
		SNS Profil Equipe Classic	85
Touring	95 to 105	SNS Profil Auto Men	105
		SNS Profil Auto Women	95
		SNS Profil Auto Universal	100
Junior	Kid-Junior flex	SNS Pilot Sport Junior	100
		SNS Pilot Junior	Junior
		SNS profil Equipe Junior	Junior
		SNS Profil Auto Junior	Junior
		SNS Profil Snowmonster	Kid
Back Country	155 to 185	SNS XADV Raid	185
		SNS XADV Access	155

AFTERMARKET FLEXORS

Pictures	Reason	Q	Binding Models	Flex	Reference
	More resistance Roller skiing	1x2	SNS Propulse RC SNS Propulse RC2	95	 120117
	Profil/Pilot compatibility	1x2	SNS Profil Auto Universal SNS Profil Auto Men SNS Profil Auto Women	105	 258239

SPARE PARTS FLEXORS

Pictures	Q	Model	Flex	Reference
	1x2	SNS Propulse RC SNS Propulse RC2	85	120350
	1x2	Profil Equipe Skate	115	 10104201
		Profil Equipe Skate	125	 10104301
		Profil Equipe Classic	85	 10102201
		Profil Active SC	105	 10105101
	1x2	Profil Auto men	105	 10104801
		Profil Auto Women	95	 10104901
		Profil Auto Junior	Junior	 10105001
	1x2	SNS X Adventure Raid	185	 10104401

CHANGING FLEXORS BY CONCEPTS

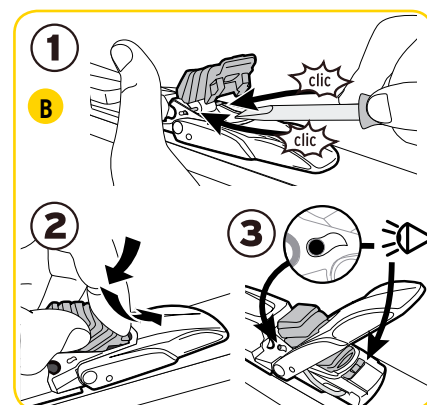
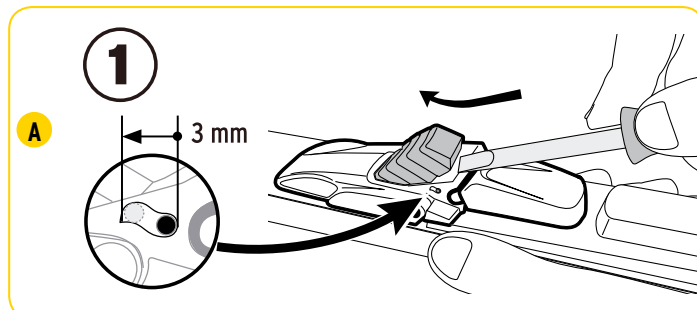
Changing Propulse flexor (fig. A)

Removing existing flexor:

Insert a flat screwdriver in the slot provided. Tilt the screwdriver backward gently to dislodge the flexor axis pin (by only 3 mm)

Installing the new flexor (fig. B)

- 1) Reposition the new flexor using the screw driver by clipping the axis two times: once into the right housing and once into the left housing.
- 2) Reposition the front part of the flexor by inserting it under the lever
- 3) Visual check: Verify that the axis is correctly clipped on both sides. Open the lever and check that the front part of the flexor is correctly inserted into its lodging.



Changing Profil manual flexor (fig. C)

- 1) Removing the flexor: Insert a flat screwdriver in the slot provided. Tilt the screwdriver backwards to dislodge the flexor axis pin.
- 2) Installing the new flexor: Reposition the new flexor with a screwdriver by clipping the axis into the right and left housing.

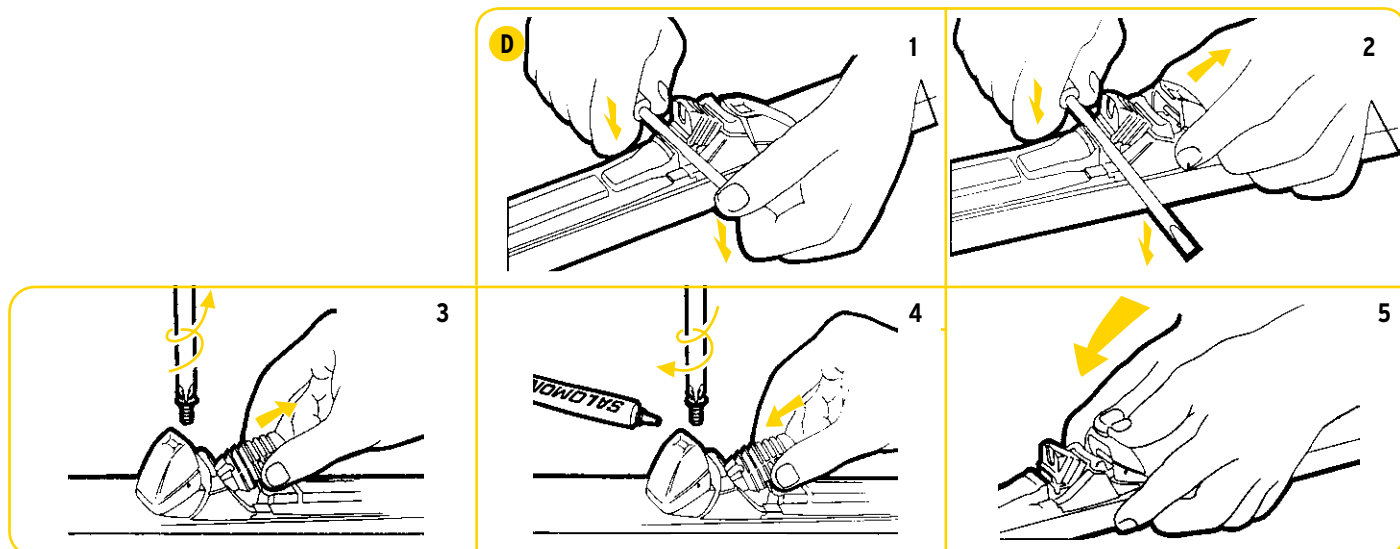
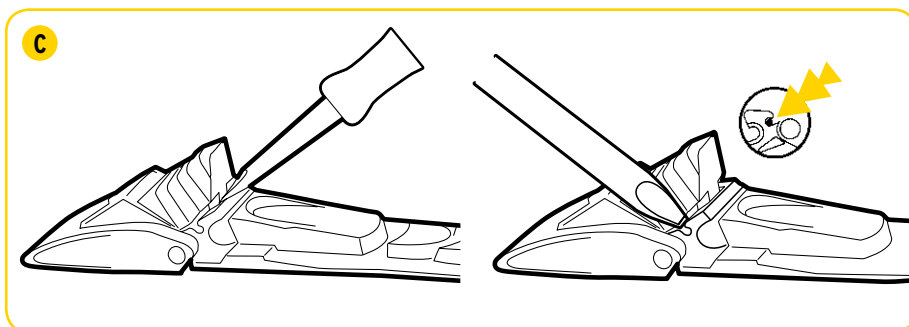
Changing Profil auto flexor (fig. D)

Removing existing flexor:

- 1) Push down with a screwdriver to unclip the lever.
- 2) Open the lever to access to the first mounting screw.
- 3) Unscrew and pull out the flexor

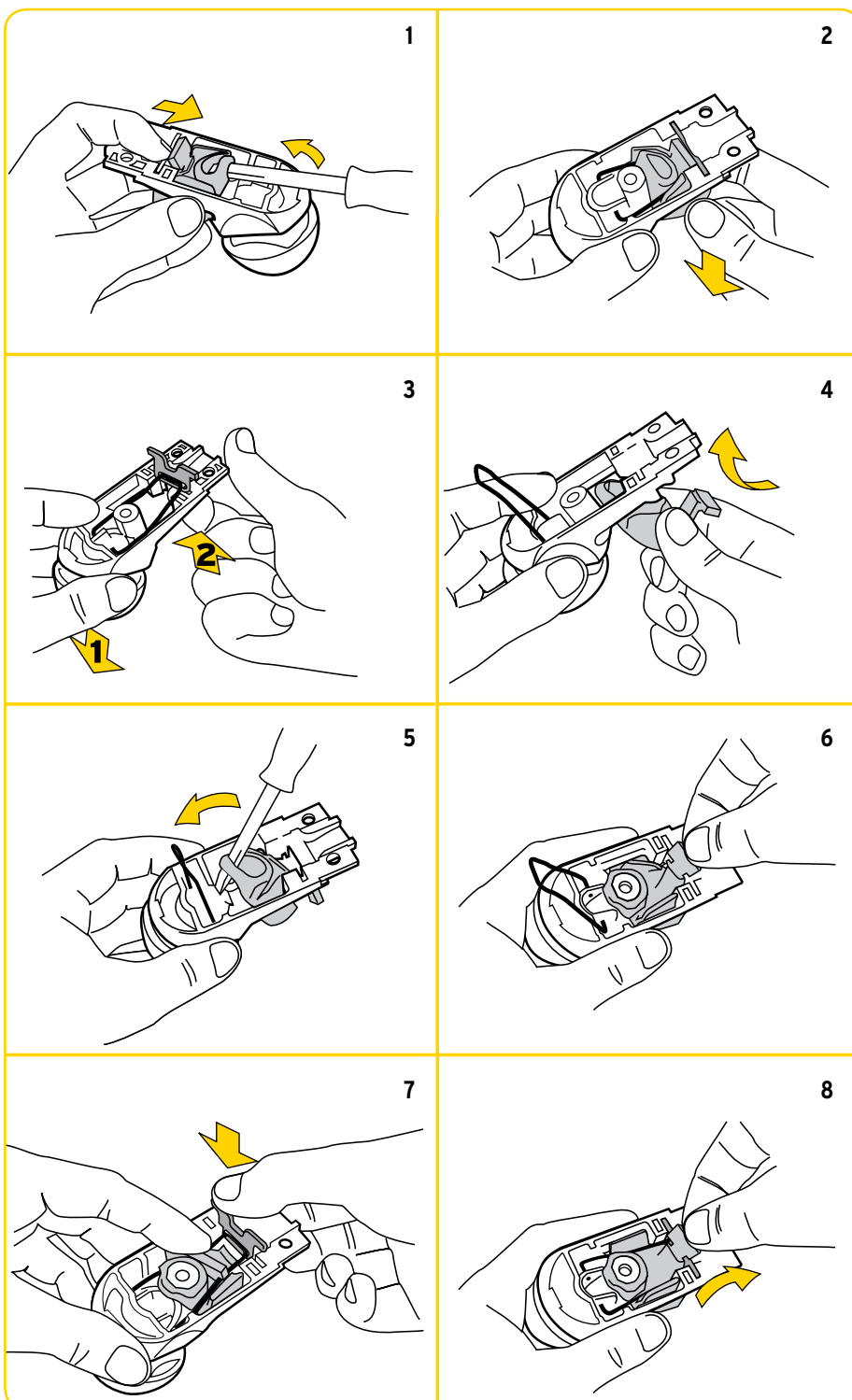
Installing the new flexor

- 4) Reposition the flexor in its lodging and reposition the screw
- 5) Clip the lever



Changing Profil Snowmonster flexor (fig. F)

- Remove the flexor with a flat edge screwdriver (fig. 1+2).
- Open the binding and push on the metallic insert holding down the wire (fig. 3).
- Once the insert is removed, put the new flexor in place using a flat edged screwdriver (fig. 4+5+6).
- Put the insert back into place (still with the lever open) (fig. 7).
- Finish putting the flexor back into place (fig. 8).
- Reassemble the binding and cover the screw using the logo (sticker) screw cover.



BINDINGS MAINTENANCE

General recommendations:

No special maintenance is required for bindings however you can recommend to your customer:

- To avoid wax build-up on the guide ridge or under the boot sole to avoid snow build-up (snow build-up in the ridge area of the sole could block entry into the binding),
- To leave the bindings open after taking the skis off,
- In summer, do not leave skis with boots in the bindings, store in a cool, dry place away from sunlight, avoid attics, balconies, sheds and places close to heat sources,
- Do not place equipment on top of radiators or other heat sources and do not place in a microwave oven,

SNS Pilot Equipe Classic:

For optimum performance and to reduce snow sticking on the Pilot soft link, we recommend to apply some silicon spray on the Pilot soft link. For better efficiency, one's should pull out the soft link using a screwdriver and apply the silicon spray not only on the white hook but also on the black strap.

ROLLER SKIING

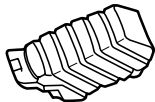
A special roller skiing JIG is available : ref 105588



Bindings adapted to roller skiing:

Style	Models	Flex
Skating	SNS Pilot Equipe Skate	115
	SNS Profil Equipe skate	115
Classic	SNS Propulse RC	85
	SNS Propulse RC2	85
	SNS Pilot Equipe classic	85-105
	SNS Profil Equipe classic	85

Aftermarket/Spare parts flexors

Pictures	Reason	Q	Binding Models	Flex	Reference
	More resistance Roller skiing	1x2	SNS Propulse RC/ RC2 SNS Propulse RC2	95	■ 120117

nordic skis / snowshoes

RECAP CHART & WEIGHT CHART SKIS

Please refer to our 09/10 dealer catalog.

PREPARATION AND MAINTENANCE

For preparation and maintenance of the nordic ski base, please refer to the Salomon alpine ski technical manual. You have to be aware that nordic skis might have fish scales which have not be grinded. Please take into account the following points:

MACHINE TUNING

Refer to the machine supplier recommendations.

CLEANING OF THE BASE AND REMOVING OF WAX

Use specific wax removing solvent recommended by nordic wax suppliers.

WAXING

- Wax according to wax suppliers recommendations.
- The fishscales have to be cleaned steadily and the glide zones have to be waxed with the glide wax.

WAXABLE SKIS - CLASSIC STYLE

First, the kick zone has to be determined according to the skier's weight. Be careful, never wax the grip zone with a glide wax !

To improve the bond between grip wax and the base, you can carefully sand down the grip zone area with sandpaper (150-200 grit) before the first waxing.

Be careful: never sand down combi skis ! Only waxable skis are concerned.

SKATING SKIS

Wax with a glide wax the whole base, from tip to tail.

COMBI SKIS

Determination of grip zone is the same as for waxable skis - classic style, but the grip zone has not to be sanded.

STORING

The skis can be stored ready-waxed (unscraped) for an extended period of time (e.g. between ski seasons).

TRANSPORTATION

It is recommended to transport skis with ski clips to protect the base at the contact points.

TECHNICAL DESCRIPTIONS AND ADJUSTMENTS

(fig. 1)

- 1 - Front binding
- 2 - Toe strap
- 3 - Plastic ratchet
- 4 - Ankle strap
- 5 - Rear binding
- 6 - Rear binding adjustment strap
- 7 - Buckle tooth adjustment knob

REAR BINDING

(fig. 2 - 3 - 4)

ADAPTING THE STRAPS

The strap should never cause pressure points or pain. Therefore, it is fundamental to keep it centered on the instep and forefoot for added comfort for all types of foot shapes.

The adjustment on the medial side helps to center the strap (fig. 5):

- loosen the adjustment knob completely
- remove the buckle tooth length adjustment from the strap and put it in the appropriate position
- tighten until the adjustment knob snaps into an aligned position.

Important: if you tighten the adjustment knob too much, it will be difficult to loosen it afterwards. If it is too tight, you can loosen it by bending the plastic strap away from the adjustment knob. This will allow the knob to turn more easily (fig. 6).

(fig. 11 - 12 - 13)

REPLACING THE FRONT ATTACHMENTS

- › Front binding (fig. 7 - 8)
- › Front straps (fig. 9 - 10)



HEAD OFFICE

SALOMON S.A.

Siege social Metz-Tessy
F-74996 Annecy Cedex 9
Tel: 33 450 65 41 41
Fax: 33 450 65 42 56
33 450 65 42 57

SUBSIDIARIES DISTRIBUTORS

ARGENTINA **Salomon LA**

Tel: 54 911 5150 0486

AUSTRALIA

Amer Sports Australia Inc C/O
Salomon Australia
Tel: 61 3 8586 6652
Toll free: 1 813 9587 2289
Fax: 61 3 9587 2289

AUSTRIA

Salomon Österreich GmbH
Tel: 43 662/45 55 47 100
Fax: 43 662/45 55 47 471

BELGIUM / LUXEMBOURG **Salomon France**

Tel: 33 450 65 41 41
Fax: 33 450 65 42 61

BRAZIL

Amer Sports Brazil Ltda.
Tel: 5511 3094 1923
Fax: 5511 3032 7442

BULGARIA

MTK Sport Ltd.
Tel: 359 888 37 23 75
Fax : 359 2 686 391

CANADA

Amer Sports Canada Inc.
Tel: 001 905 470 9966
Fax: 001 905 944 4651

CHILE

adidas Chile Ltda.
Tel: 56 2 4313800
Fax: 56 2 4313860

CHINA

Amer Sports HK Ltd
Beijing Rep office
Tel: 86 10 641 647 38

CZECH REPUBLIC

AmerSports Czech Rep.s.r.o.
Tel: 420 272 700 963
Fax: 420 272 700 139

DENMARK

Amer Sports Danmark ApS
Tel: 45 45 565 530

DUBAI

NIK Trading CO. (L.L.L.)
Tel: 97 504 503 541
Fax: 97 14 359 28 21

ESTONIA, LATVIA, LI- THUANIA

A & TOVA
Tel: 372 651 88 99
Fax: 372 651 88 90

FINLAND

Salomon Sports Finland Oy
Tel: 358 207 789 600
Fax: 358 207 789 618

FRANCE

Amer Sports France
Tel: 33 4 79 99 15 15
Fax: 33 4 79 99 15 16

GERMANY

Salomon Deutschland
Tel: 49 (0) 8000/725 6666
Fax: 49 (0) 8000/825 6666

GREAT BRITAIN

Amer Sports UK Ltd.
Tel: 44 1276 404 850
Fax: 44 1276 404 851

GREECE

Hellenic flame
Tel: 30 2 310 566 269
Fax: 30 2 310 500 826

HOLLAND

**Amer Sports Deuts-
chland GmbH.**
Tel: 31 334 345 070
Fax: 31 334 345 075

HONG KONG

Amer Sports Hong Kong Ltd.
Tel: 86 13 501065203
Fax: 86 10 58697697

HUNGARY

Amer Sports
Tel: 36 1 205 37 70
Fax: 361 205 37 71

INDIA

Jamdpal
Tel: 33 4 76 61 03 03
Fax: 33 4 76 61 35 95

ISRAEL

adidas Israel Ltd.
Tel: 972 3 5566 707
Fax: 972 3 559 8807

ITALY

Salomon Italia S.p.A.
Tel: 39 0422 52 91
Fax: 39 0422 529 299

JAPAN

Amer Sports Japan Inc
Salomon Office
Tel: 81 3 3527 8705
Fax: 81 3 3527 8735

KOREA

Amer Sports Korea Ltd.
Salomon Office
Tel: 822 518 0781
Fax: 822 547 5464

LEBANON

Sports Experts.co
Tel: (961) 3772 555
Fax: (961) 09 321 312

MACEDONIA

VRM
Tel: 389 9 1462 345
Fax: 372 6 5188 90

MEXICO

Amer Sports Latino America
Tel: 52 55 9177 9175
Fax: 52 55 9177 9181

NETHERLANDS

Salomon Netherlands B.V.
Tel: 31 33 434 50 70
Fax: 31 33 434 50 75

NEW ZEALAND

Snoworld Ltd.
Tel: 64 3 366 11 22
Fax: 64 3 379 50 99

NORWAY

Amer Sports Norge AS
Tel: 47 6755 1330
Fax: 47 6755 1331

POLAND

Amer Sports Poland Sp
Tel: 48 126 145 200
Fax: 48 126 145 201

REUNION ISLAND

Laurent ALLART
Tel: 33 6 92 64 62 03
Fax: 33 2 62 34 97 31

ROMANIA

Master Sport Srl.
Romania
Tel: 40 31 40 50 752
Fax: 40 31 40 50 753

RUSSIA

ZAO Amer Sports
Tel: 7 495 641 2646
Fax: 7 795 641 2645

SERBIA AND MONTENEGRO AND KOSOVO

BEO Spot
Tel: 381 11 20 88 133
Fax: 381 11 20 88 129

SLOVAKIA

**Amer Sports Czech Republic,
s.r.o.**
Tel: 421 244 640 011
Fax: 421 244 459 023

SOUTH AFRICA

James Gilbert SA
Tel: 27 11 7199 990
Fax: 27 11 44 44 128

SPAIN

Salomon
Tel: 34 93 590 1 601
Fax: 34 93 590 1602

SWEDEN

Amer Sports Forsaijning AB
Tel: 46 33 233 700
Fax : 46 33 233 740

SWITZERLAND

Salomon Schweiz AG
Tel: 41 41 784 12 12
Fax: 41 41 784 12 13

TURKEY

CMS Sport Malzemeleri
Tel: 90 533 455 62 98

UKRAINIA

AWT Sport
Tel: 380 442 892 558
Fax: 380 442 894 465

USA

**Amer Sports Winter&Outdoor
Americas**
Tel: 1800 225 6850
Fax: 1971 234 4583

USHUAIA

Popper SA
Tel: 54 290 142 22 44
Fax: 54 290 143 06 80

OTHER COUNTRIES

South Asia
Pacific - Latin America
Tel: 33 450 65 41 41
Fax: 33 450 65 44 02

Eastern Europe

Middle East - Africa
Tel: 33 450 65 41 41
Fax: 33 450 65 44 02