

06|07
**SHOP
PRACTICES
MANUAL**



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BINDING

SMARTRAK

► RACE PROVEN PERFORMANCE

The Smartrak Interface offers a balanced flex pattern, and maximizes ski to snow contact.

► WIDEST INTERFACE

The Smartrak Interface offers the widest footprint of any system on the market. Specifically designed to offer the best performance on wider skis.

► CONSTANT RAMP

This pre-installed ramp built into the interface puts the skier in the optimal position over the ski to ensure proper balance.

Z-BINDING

► TRANSMISSION

The new Z Binding Concept offers the tightest foothold available, for the best transmission of energy from the boot to the ski



Carbon reinforced composite housing
• Stiffer body



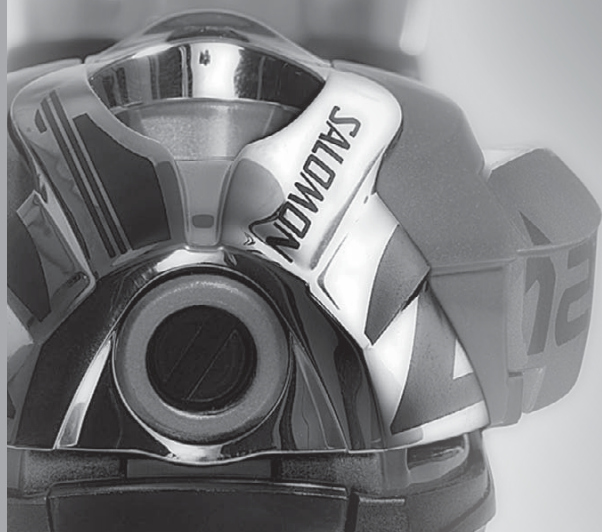
Long wings
• Shock absorption and transmission



Salomon Control Pedal
• Maximum lateral rigidity

► LIGHT WEIGHT

Using lightweight carbon injected components, the new Z concept is the lightest weight performance binding available.



2006/2007 SHOP PRACTICES MANUAL

The 2006/2007 Shop Practices Manual is published by Salomon for Salomon Authorized Alpine Binding Dealers. This manual provides current technical information, certification requirements, and indemnification information. Please keep a copy of this Manual on hand as a quick, easy, and reliable reference for servicing Salomon alpine bindings. Because the content of the Manual changes every year, you should keep previous editions available as references for servicing older products. Your Salomon Certification Web site will one day provide a resource of archived material for your reference as well.

Salomon continues to be the number one winter sports brand worldwide. Our goal is to advance our breakthrough technologies featuring innovation in safety and performance binding systems.

2006/2007 CERTIFICATION PROGRAM

Salomon provides its Authorized Alpine Binding Dealers with information contained in this publication:

1. To help assure skiers that Salomon alpine bindings are properly selected, mounted, adjusted, and serviced.
2. To serve as a risk management tool for the Authorized Dealer.

Authorized Alpine Dealer Requirements

While it is not necessary for an Authorized Location to have all of its personnel certified, sales people and managers are encouraged to remain aware of Salomon's certification and record keeping requirements.

- Salomon Authorized Alpine Binding Dealers must have at least one Salomon Certified Technician working at each Authorized Location selling, servicing or renting Salomon alpine bindings.
- The technician who signs the Authorized Location's workshop or rental form for any transaction must be currently Salomon alpine binding certified.
- It is an Authorized Dealer's responsibility to maintain sufficient records to identify its Certified Technicians.

Technician Certification

- Only a technician sponsored by a Salomon Authorized Alpine Binding Dealer may be certified. To complete the technician certification process:

1. Read this manual and become familiar with required Salomon shop practices. A corresponding CD is available to assist in this process. For a copy of the CD, contact your Salomon sales or Customer Satisfaction Representative.
2. Be familiar with earlier editions of Salomon Shop Practices Manuals and Salomon Technical Updates.
3. Be familiar with Salomon bindings through hands-on experience.
4. For the U.S., log on to www.salomoncertification.com. For Canada, log on to www.salomonhookup.ca. Complete the on-line 2006/2007 Salomon Certified Technician

Registration and Exam and receive confirmation of your certification instantly.

5. Authorized Dealers can log onto www.salomoncertification.com (in the U.S.) or www.salomonhookup.ca (in Canada) to receive a current list of their Salomon Certified Technicians.
- Technician certification is valid for two years from the exam date (unless Salomon provides further notice).
 - Technician certification is not valid at a location that is not a Salomon Authorized Alpine Binding Location.
 - Technician certification may be transferred from one Salomon Authorized Alpine Binding Dealer to another by contacting the certification coordinator by mail or telephone (Portland for U.S. dealers and Concord for Canadian dealers).

Certification Fees

Authorized Alpine Binding Dealers will be invoiced an administrative registration fee for technician certifications.

- For the U.S., a \$12 fee will be invoiced for each Registration and Exam submitted on line at www.salomoncertification.com
- The U.S. fee is \$18 for each Registration/ Exam submitted by mail or fax to Salomon, or for technicians certified by any approved industry training program.

Fax: (971) 234-7002
Salomon Certification/
Customer Service
5055 North Greeley Ave.
Portland, OR 97217
- For Canada, a \$30.00 fee will be invoiced for each Certification Kit sent to the dealer. Technicians must Register and take the Exam on-line at www.salomonhookup.ca

ALPINE BINDING LIABILITY INDEMNIFICATION

Schedule of indemnified bindings

Salomon alpine binding indemnification applies to the 2006/2007 Retail Binding Line, 2006/2007 Rental Binding Line, Non-current Retail Binding Line and Non-current Rental Binding Line models listed below. Indemnification does not apply to older non-indemnified binding models.

Non-Indemnified Bindings

Older models of Salomon bindings no longer on the Schedule of Indemnified Bindings may still be serviced, however Liability Indemnification will not be offered by Salomon for these models of bindings. Dealers wishing to service these models of bindings can reduce their liability risk by requiring an additional waiver and release agreement and attaching it to the Workshop Form. Such waivers should be reviewed by a dealer's own legal counsel to ensure compliance with applicable laws.

Salomon bindings are not designed or tested for use with **Mono Boards**, therefore bindings mounted on Monoboards will not be indemnified.

Retail Binding Line

2006/2007

Z12 Ti Smartrak	C608	S912 FIS Pilot	Poweraxe	S850 Carve	S710 Cp	C305 GROM
Z10 Smartrak	C607	S912 Ti Pilot	S900 Equipe Alium	S850 Axe+	S710 Ti	C305 MINI GROM
Z 920 Lab	C509 Dr+	S912 Ti SC Pilot	Drive Plus	S850	S710	Quadrax 300
Z 916 Lab	C509	S912 Ti Pe	S900 Equipe Alium	S812 Pa	S710 Pilot	Q300
Z 914 Lab	C305 / C305 MINI	S912 Pe	Axe+	S811 PS	S710 SC Pilot	S300
914 FIS 20	Driver Suspension	S912	S900 Equipe Alium	S810 Ti	S710 Ti Pilot	Driver 197 Equipe
914	997 Equipe	S910 T FIS	S900 Equipe	S810 Ti Axe+	S710 Ti Cp ²	Junior
Z12 Ti	Driver Suspension	26.3/24/20	S900 Carbon	S810 Cp	S710 Pa	197 Equipe Junior
Z10 Ti Axe +	997 Carbon	S910 T Ps	Poweraxe	S810 Ps	S710 DP	177 Equipe Junior
Z10 Ti	Driver 997 Equipe	S910 FIS 24	S900 Carbon Drive	S810	S710 CP ²	177
Z10 FIS 20	Driver 997 Carbon	S910 T	Plus	S810 Ti Pilot	S710 Axe+	Suspension DR9
Z10	997 Equipe / Carbon	S910	S900 Carbon Axe+	S810 Pilot	S708 T Axe+	Equipe
710	997 EXP	S910 T Ps	S900 Carbon	S810 Ti SC Pilot	Quadrax 700	Suspension DR9 EXP
610 CP	977 Force	S910 T Axe+	S900 Ti	S810 Ti Ps	S700 Team Poweraxe	Quadrax 8 Carbon
610	977 Team	SP900 Equipe	S900 Alium	S810 Axe+	S700 Team	Quadrax 8
609 D+	977 Composite	SP900 Equipe Alium	S900	S810	S700 Axe+	Suspension DR8
609	977	SP900 Alium	Driver Suspension	Quadrax 800 Carbon	S700	Composite
608	S914 Axe+	S900 Equipe Team	897 Composite	Quadrax 800	677	Quadrax 7
607	S914 Lab	Race	Driver Suspension	SP800	C610 CP ²	Quadrax 6
305	S914 FIS 26.3/20/17	S900 Equipe Team	897	S800 Poweraxe	S608 CP	Quadrax 6 Lady
	S914 FIS	Drive Plus	Driver 897 Composite	S800 Drive Plus	C608 CP ²	Quadrax 5.5
	S914 Pe ²	S900 Equipe Team	897 Equipe	S800 Alium	Q600 Poweraxe	Quadrax 5
	S914	Axe+	877 Equipe	S800	Q600	Quadrax 3
	S914 FIS Pilot	S900 Equipe Team	877	797 Composite	Quadrax 600	Quadrax 3 Mini
	S914 Pilot	S900 Equipe Race	SP850	Driver 797 Composite	577	Quadrax Team
	S914 Pe	S900 Equipe	S850 X-Mountain	797	C509 D+	Team Junior
	S912 Ti Pe ²	Poweraxe	S850 Poweraxe	777	Q500	Team
	S912 FIS	S900 Equipe Drive	S850 Alium X-	777 Lady	C407 Grom	Force Junior
	S912 FIS 24	Plus	Mountain	S711 Ps	Quadrax 400	Force
	S912 Ti	S900 Equipe Axe+	S850 Carve w/Ramp	S711 Pa	Q400	Extreme Carve
	S912 Ps	S900 Equipe Alium	Plus	S711 Cp	S305 GROM	

Non Current

Rental Binding Line

2006/2007

Z12 Ti Smartrak	Driver Suspension	S900 Equipe SR	797 SC	ST610 e ²	C305 SR	Quadrax 3 SC
Z10 Smartrak	997 Equipe SR	Drive Plus	777 SR	C609 SC	S305 Grom SC	Quadrax 3 SR
Z12 Ti SC	Driver 997 Equipe SC	S900 Equipe SR	712 e ²	C608 SR	Q300 SC	Quadrax 3
Z10 Ti SC	Driver 997 Equipe SR	S900 Equipe SC	Cosmic S712 SC	C608 SC	Q300 SR	Q3 SC
710 SC	SR	Drive Plus	S711 SR	C607 SC	S300 SC	Q3 SR
609 SC	997 Equipe SC	S900 Equipe SC	S711 SC	C607 SR	S305 SC	Force SR
609 SR	997 Equipe SR	SP850 Test	710 e ²	C509 SR	C305 Grom SR	
608 SC	997 Equipe Demo	877 SC	Cosmic S710 SR	C509 SC	177 Team SR	
607 SR	977 Demo	S850 SR Drive Plus	Cosmic S710 SC	Q500 SC Drive Plus	177 RR	
305 SC	S912 Ti SC	S850 SC Drive Plus	Cosmic S710	Q500 SC	Quadrax 7 SC	
305 SR	S912 Ti Pe ² Demo	S850 SC	S708 T SR	Q500 SR	Quadrax 7 SR	
N 920 Equipe Race	S912 Ti Pe Demo	S810 Ti SC	Q700 SC	477 RR	Quadrax 6 SC	
N 916 Equipe	S912 Ti SR	S810 SR	S700 Team SR	477 LR	Quadrax 5 SR	
Competition	SP900 Equipe Test	S810 SC	S700 SR	Snowtrip ST 410	Quadrax 5 RR	
		S800 SR	S700 SC Drive Plus	C407 Grom SR	Q5 SR	
		Driver 797 SC	S700 SC	Q400 SR	Quadrax 3 RR	

ALPINE BINDING LIABILITY INDEMNIFICATION **continued**

Salomon Authorized Dealers

Salomon offers liability indemnification to Salomon Authorized Dealers. Salomon will defend and indemnify a Salomon Authorized Alpine Binding Dealer against liabilities from claims presented by any customer of the Authorized Dealer arising solely from the use of Salomon alpine bindings, provided:

- A. The dealer purchased the alpine bindings from Salomon.
 - B. The dealer has received written notice of a claim involving alpine bindings.
 - C. The claim alleges use of the alpine bindings resulted in injury.
 - D. All Salomon recommendations, procedures and policies in effect at the time of the incident were followed, including, but not limited to, those contained in the Salomon Shop Practices Manual, Salomon Technical Update (if applicable), Salomon Purchaser Policies and Salomon General Terms & Conditions.
 - E. The Certified Technician is of legal age.
 - F. The dealer uses workshop and/or rental forms the same as, or equivalent to, Salomon forms with currently approved Liability Release Language.
 - G. The dealer maintains proper and complete records for all Salomon bindings mounted and/or adjusted for a period of two years or the statute of limitations of the state or province, whichever is longer.
 - H. The dealer provides written documentation of the technician's employment and training (e.g., method of training, proof of certification, etc.).
 - I. A copy of the properly completed workshop form or rental form, including a signed release, is submitted.
 - J. A properly completed Post Accident Ski Equipment Inspection Report, the same as or equivalent to the exemplary form displayed in this manual, is submitted.
 - K. Any other helpful information such as a Ski Patrol Incident Report Form is submitted.
 - L. The dealer notifies Salomon in writing within ten days of the date on which the dealer first receives written notice of the claim.
 - M. The dealer cooperates fully in the investigation, litigation and/or settlement of the claim.
- Salomon may terminate indemnification, with respect to Salomon alpine bindings, upon providing written notice to the dealer.**

Legal Claims

In the event a Salomon equipment user or anyone acting upon the equipment user's behalf contacts the Authorized Dealer regarding a potential claim:

1. Use your best efforts to determine the exact nature and details of the claim.
2. Avoid expressing opinions concerning the claim. You may, to the extent that you have complied with all recommended procedures, indicate to the claimant or the claimant's representative that recommended procedures for service and adjustment of the equipment were followed.
3. Notify your insurance company. Salomon indemnification is not a substitute for liability insurance.
4. Gather all information and documents required by Salomon listed in the Liability Indemnification section for that specific product and send the documents with a brief description of the incident to:

<p>USA Legal Claims Department Salomon North America 5055 North Greeley Avenue Portland, OR 97217</p>	<p>Canada Legal Claims Department Salomon Canada 3545 Thimens Blvd. Saint-Laurent, Quebec H4R 1V5</p>
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BINDING QUICK REFERENCE CHART

Model	Brake	REF.	Jig Seleccion (given ski width)			Drill Bit Seleccion		Skier Weight		Spheric Oversize	Spheric	Diagonal pivot	Vertical progressive pivot	Ski / binding interface	Wing adj.		Adj. Range		Weight of 1/2 pair (in g)	Ti Line	Senior / Junior norms
			56 mm - 80 mm (Ref. #)	56 mm - 99 mm (Ref. #)	80 mm - 123 mm (Ref. #)	4.1 mm diameter (skis with metal) (Ref. #)	3.6 mm diameter (skis with no metal) (Ref. #)	Drill Bit Length	DIN scale						Height (mm)	kilograms	pounds	mm			

RETAIL

Adult

Z12 Ti Smartrak	B80	787169	788403					9.5	4-12	31,5	30-107	66-235	•	•	•	Smartrak control	•	•	28	3,5	1020	Ti	S	
Z10 Smartrak	B80	787170						9.5	3-10	31,5	30-107	66-235	•	•	•	Smartrak control	•	•	28	3,5	1308		S	
914 FIS 20	B75	786406						9.5	6-14	20	58-130	127-286	•	•			•	•	24	3	1105,8		S	
914	B85	786854						9.5	6-14	16,5	58-130	127-286	•	•			•	•	24	3	1075,3		S	
	B100	786853																						
Z12 Ti	B80	786397						9.5	4-12	16,5	42-120	92-264	•	•	•			•	•	28	3,5	841	Ti	S
	B85	786398																						
	B90	786399																						
Z10 Ti Axe+ (U.S. only)	B80	786401	Jig Ref. # 001156		Jig Ref. # 001157	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	3-10	28,5	30-107	66-235	•	•	•	Axe+	•	•	28	3,5	940	Ti	S	
Z10 Ti	B80	786402						9.5	3-10	16,5	30-107	66-235	•	•	•			•	•	28	3,5	855	Ti	S
	B85	786403																						
	B90	786970																						
Z10 Fis 20	B75	786361	Jig Ref. # 001156		Jig Ref. # 001157	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	3-10	20	30-107	66-235	•	•	•		•	•	28	3,5	1006,5		S	
Z10 (U.S. only)	B80	786405						9.5	3-10	16,5	30-107	66-235	•	•	•		•	•	28	3,5	976		S	
710 (U.S. only)	B80	786407						9.5	3-10	16,5	30-107	66-235	•	•			•	•	28	3,5	968		S	
610 CP	B80	786408						9.5	3-10	28,5	30-107	66-235		•		Carve Plate	•	•	28	3,5	1086		S	
610 blue/alpine graphite/white	B80	786409						9.5	3-10	16,5	30-107	66-235		•			•	•	28	3,5	952		S	
	B80	786935																						
609 D+	B80	786410						9.5	2,5-9	23,5	30-100	66-220		•		Drive+	•	•	28	3,5	1013		S	
609 (U.S. only)	B80	786411						9.5	2,5-9	16,5	30-100	66-220		•			•	•	28	3,5	939		S	

Junior

608 black/silver red/black	B75	786362	Jig Ref. # 001156		Jig Ref. # 001157	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	2-7,5	16,5	22-85	55-187		•			•	•	28	3,5	920		S
	B75	786937						9.5	2-7	16,5	22-80	55-180		•			•	•	28	3,5	919		S
607 white/charcoal red/black	B75	786363	Jig Ref. # 001156		Jig Ref. # 001157	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892																
305 black/red silver/blue white/red	JR	786364	Jig Ref. # 000927	# 78406101	Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	8.0	0,75-4,5	14	10-50	22-110		•			•	•	44	5,5	570		J&S
	JR	786941						8.0	0,75-4,5	14	10-25	22-55		•			•	•	44	5,5	570		J&S
305 Mini (Canada only)	JR	786365																					

RENTAL

Adult

Z12 Ti SC	B80	786366	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	4-12	31,5	42-120	92-264		•	•	•	SC	•	•	122	15	1226	Ti	S
	B90	786367						9.5	4-12	31,5	42-120	92-264		•	•	•	SC	•	•	122	15	1356		S
	B100	786368																						
Z12 SC	B80	786371	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	4-12	31,5	42-120	92-264		•	•	•	SC	•	•	122	15	1356		S
Z10 Ti SC	B80	786369	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	3-10	31,5	30-107	66-235		•	•	•	SC	•	•	122	15	1213	Ti	S
	B90	786370						9.5	3-10	31,5	30-107	66-235		•	•		SC	•	•	122	15	1355		S
710 SC	B80	786373	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892																	
609 SC	B80	786374	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	2,5-9	31,5	30-100	66-220		•			SC	•	•	122	15	1285		S
	B80	786378						9.5	2,5-9	18	30-100	66-220		•			SR	•	•	80	10	1016		S
609 SR (U.S. only)	B80	786379																						

Junior

608 SR	B80	786966	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	2-7,5	31,5	22-85	55-187		•			SR	•	•	122	15	1285		S
607 SR	B80	786375	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	9.5	2-7	18	22-80	55-180		•			SR	•	•	80	10	1016		S
305 SC	JR	786376	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	8.0	0,75-4,5	29	10-50	22-110		•			SC	•	•	86	11	830		J&S
305 SR	JR	786377	Jig Ref. # 001003		Jig Ref. # 001040	Drill Bit Ref. # 000893	Drill Bit Ref. # 000892	8.0	0,75-4,5	14,5	10-50	22-110		•			SR	•	•	56	7	590		J&S

RETAIL BINDING SYSTEMS

Proper procedures for a Salomon Certified Technician to follow while mounting and adjusting Salomon Retail bindings.



PREPARATION

Start out prepared with an efficient working area. Your bench should be the right height, with proper lighting, and with the necessary tools at hand. Familiarize yourself with all procedures before you start: being prepared is the best way to avoid errors and costly mistakes. It is important that all components match those listed on the workshop form. Refer to your workshop form and make sure the bindings are appropriate for the skier. If the bindings have been used, make sure they are in good condition and no parts are missing, broken, or showing signs of wear.

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 Salomon bindings. (See **Standard Boot Sole Dimensions on page 53** for reference). 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

- 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.
- 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 Salomon bindings. If you are uncertain as to the quality of the boot sole material, perform the **Clean vs. Lubricated Test as described on page 19**.

Only adult norm boots may be used with adult bindings. Under no circumstances should a junior norm boot ever be used with an adult binding. Salomon bindings that can be used with both junior and adult norm boot soles are the S305, C305, Q300, S300, their Mini equivalents, earlier model indemnified equivalents, and their various rental counterparts. (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.)

A Salomon toe or heel may not be mounted with another manufacturer's toe or heel. Indemnification and warranty are automatically voided for such mixed systems.

For Rental specific preparation instructions, please refer to **page 23**.

REFERENCE

Page #	Section Name
19	Clean vs. Lubricated Test
53	Standard Boot Sole Dimensions

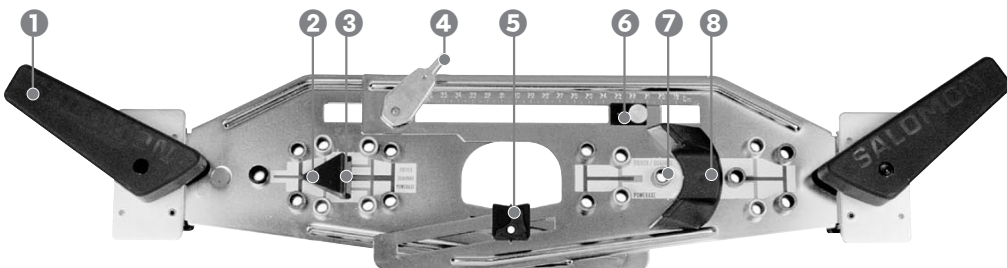
Junior Boot To Binding Compatibility Chart

Junior Boot Models	Boot Norms	Junior Bindings Only	IMPORTANT:
Falcon 100	Adult		Salomon bindings that can be used with both junior and adult norm boot soles are the S305, C305, Q300, S300, their Mini equivalents, earlier model indemnified equivalents, and their various rental counterparts.
Course 90	Adult		
Course 80	Adult		
Course 70	Adult		
Falcon 60	Junior	X	
Performa T3	Adult		
Performa T2	Junior	X	
15 Mini	Junior	X	
Performa T3 Rental	Junior	X	
Performa T2 Rental	Junior	X	

INSTALLATION

Salomon bindings are installed 3 ways. “À la carte” bindings are installed by drilling holes into the surface of the ski with the aid of a Salomon jig. Pilot Systems require no jigs and are simply secured to pre-drilled holes on a premounted Salomon interface. Smartrak Systems can require a combination of these two techniques. Please refer to the specific instructions in this Manual.

Jig Selection & Use



STEP 2

LEGEND

- ① Handle with Self-Centering Clamps
- ② Toe Guide
- ③ Tip-of-Boot Sole Indicator
- ④ Locking Lever
- ⑤ Mid-Sole Indicator
- ⑥ Boot Size Indicator
- ⑦ Drill Bit Bushing
- ⑧ Self-Centering Guide for Heel of Boot

Ref. #	Jig	Jig range	Application
788403	Smartrak		Z12 Ti Smartrak and Z10 Smartrak binding systems only
001156	Adult Senior	56mm - 99mm	Z12 Ti, Z10 Ti, Z10, S914 FIS, S912 Ti, S912 Ti A+, S912 FIS, S810, S810 Ti A+, S810 Ti, S710 Ti, S710, S610 CP, C610, C609 D+, C609, S910 FIS, C608 FIS, C607
001157	Wide Adult Senior	80mm - 123mm	(Same as above)
000927	Junior	56mm - 80mm	C305 and C305 Mini
78406101	Junior	56mm - 99 mm	C305 and C305 Mini
001003	Synchro Center & Synchro Rental/ Senior Junior	56mm - 99mm	All SC and SR models both Senior & Junior
001040	Wide Synchro Center & Synchro Rental/ Senior Junior	80mm - 123mm	All SC and SR models both Senior & Junior

*Contact your customer service representative for additional jigs.

Jig Use (10 Steps)

A jig ensures that all holes for binding mounting are drilled in the correct location. The bushings guide the drill bit so that it remains perpendicular to the ski.

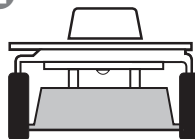


1. **Select** the proper jig for the binding model to be mounted by referencing the Jig Reference Guide.
2. **Check** the skis' serial number to ensure you are mounting a matched pair. Place the skis on the workbench with the ski tips pointed to your left.
3. **Open** the jig by twisting both handles inward. Place the jig on the ski.
4. **Open** the locking lever.
5. **Extend** the jig to accept the boot.
6. **Place** the toe of the boot sole against the toe guide. Twist the

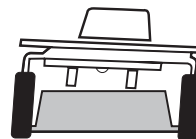
rear handle to open the rear clamps and slide the heel guide snugly against the boot heel. **Fig. ①**

7. **Close** the locking lever. (Compare the mid-sole mark on the boot with the mid-sole indicator on the jig. If the mid-sole mark on the boot and the mid-sole indicator on the jig do not agree, use the mid-sole mark on the boot. This requires leaving the boot in the jig to position it on the ski.)
8. **Position** the jig on the ski. **Fig. ②**

② Correct



Incorrect



- a. If the ski has a mid-sole mark, align the mid-sole mark on the boot with the mid-sole mark on the ski.
- b. If the ski has a tip-of-boot mark, align the tip-of-boot sole indicator on the jig with the tip-of-boot mark on the ski.
- c. If the ski has no visible markings for jig location, consult the ski manufacturer for proper mounting position.
9. **Once** the jig is in position, release the handles simultaneously and the jig will center itself on the ski.

10. **Re-check** your work. The ski is now ready to be drilled. (Customers may request that specific mounting instructions be followed. This is particularly true for skiers who want to initiate turns more easily. Make a note on the Workshop Form of any of these special instructions.)

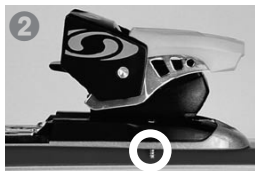
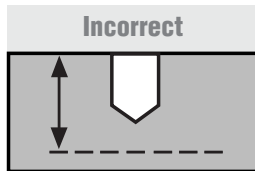
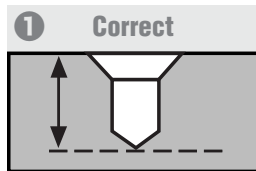
REFERENCE

Page #	Section Name
10	4-Hole Toe / Spheric Oversize
10	3-Hole Toe / Spheric Sport & Quadrax
23	SC System Demo
23	SR System Rental & Demo

INSTALLATION > Drilling, Tapping and Glue

Drilling, Tapping & Glue

Drilling



Follow the recommendations of the ski manufacturer for drilling and tapping. In their absence, Salomon suggests that you use the **Salomon Drill Bit Selection Guide**. When in doubt about the ski's core composition, select a 3.6 mm diameter bit and drill one hole. If the bit comes in contact with any metal, re-drill with a 4.1 mm bit to ensure proper screw retention.

Drill through the jig's proper bushings applying moderate downward pressure on the drill. Verify that the countersink bevel on the drill bit has properly de-burred the hole. **Fig. 1** 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. When mounting thin skis or junior skis with adult bindings you may

need to use shorter screws or add washers to the existing screws between the binding and the ski to prevent damaging the ski base. Before drilling any junior ski, check the screw depth by positioning the binding over the mounting area so that the binding screws on one side of the heel track appear alongside the ski sidewall. **Fig. 2**

Special Cases When Drilling Junior Skis

- Use a 9.5 mm length drill bit when mounting S910 Team, S608, and C608 and their earlier model predecessors. They use the same screws as adult models and should be drilled and tapped accordingly.
- As a general rule, the S910 Team is mounted on skis 170 cm or longer and the S608 or C608 on skis 140–170 cm. The S608 or C608 can also be used with skis 120–140 cm. The S305 Grom and C305 Grom are generally used with skis 80–140 cm*. The

shorter the ski, the more likely washers will be necessary to avoid dimpling the ski base.

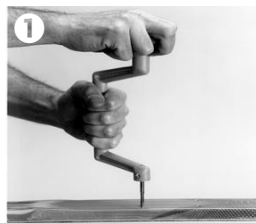
- The new Salomon C607 junior accommodates adult norm boot soles and offers a 2 to 7 DIN scale. This new intermediate binding for 5 to 10-year-olds features shorter 6 mm screws for use on junior skis as short as 120 cm.
- Whenever junior bindings are mounted on adult skis, an increased possibility exists of binding pull-out due to poor screw retention. The penetration depth of junior screws into the ski core is only 7 mm. If necessary, use adult drill bits and screws to penetrate any mounting platform.
- The hole must be deep enough to accommodate the screw length you are using or ski damage may result.

***EXCEPTION:** S305's and C305's cannot be mounted on the Crossmax 10 Team or XScram 10 Team models manufactured from 2001 to 2003 inclusively. Both bindings may be mounted on the 2004-2005 models of the Crossmax 10T and Crossmax T and 2006-2007 models of the X Wing T.

Salomon Drill Bit Selection Guide

Skis	Diameter	Length	Ref.	Aspect
Junior	4.1 mm (ski with metal)	8 mm	000813 1 x 5	
	3.6 mm (ski with no metal)	8 mm	000814 1 x 5	
Adult	4.1 mm (ski with metal)	9.5 mm	000893 1 x 5	
	3.6 mm (ski with no metal)	9.5 mm	000892 1 x 5	

Tapping



Tap all binding mounting holes unless otherwise recommended by the ski manufacturer. Failing to tap when necessary can result in topskin delamination, sidewall delamination, broken screws or damage to the ski core.

The tap should be mounted into a brace. Position the brace so the

tap goes straight into the drilled hole. **Fig. 1** Apply only enough pressure to the brace to start the tap, as the tap is a self-cutting tool.

A ski mounting plate is usually no more than 8 mm below the topskin. Tapping any deeper than 8 mm can strip the hole or break

the tap. Each full turn of the brace cuts the tap approximately 2 mm into the ski. After tapping, turn the ski over and hit the base several times with the palm of your hand to remove shavings from the hole.

Glue

Glue must be used when inserting binding screws to:

- Lubricate the screw during insertion. Place a drop of glue on the surface of each hole. As the screw passes through the glue it coats itself.
- Create a watertight seal.
- Ensure that the screws will hold while the ski is in use by acting as a dampener.

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

Mounting

A Posidrive No. 3 screwdriver, not a Phillips, is used to mount Salomon bindings. Consult the **Salomon Spare Parts Catalog** for reference on the Salomon screws. They are available through your customer service representative.

REFERENCE

Page #	Section Name
8	Jig Selection & Use
8	Retail Mounting
23	Rental & Demo Mounting

PARTS

Reference #	Item Name
000821	Blue Plastic Plugs
000818	Black Plastic Plugs
000819	White Plastic Plugs
000822	Grey Plastic Plugs
000820	Red Plastic Plugs
000823	Orange Plastic Plugs
000870	Green Plastic Plugs
000816	Taps
000817	Tap Brace
000811	Glue
000862	Posidrive Screwdriver
B18486	(CAN) Posidrive Bit

INSTALLATION > General Retail Installation

General Retail Mounting



Before mounting the toe, break off the small stem underneath the forward base sub unit if one remains (**Fig. 1**).

All Salomon bindings feature the E-Z Mount System with the screws already in place. Position

the component over the prepared holes to begin installation (**Fig. 2**). If a power screwdriver is used, adjust the clutch for the appropriate ski core construction. Hand check each screw after mounting.

Toe Piece

Toe Installation differs for 4-hole toe and 3-hole toe bindings. The former requires a criss-cross screwing pattern while the latter starts with a center mounting hole sliding track beneath the front of the toe.



4-HOLE TOE INSTALLATION Performance/Spheric Oversize

A long bit is needed (Posidrive Bit, CAN. only Ref. #B18486, for power drills and Salomon Manual Screwdriver Ref. #000862) to mount the 4-hole pattern toes as the front two screws must be inserted through the binding housing. **Fig. 3**

Use a crisscross screwing pattern and insert each screw until nearly seated. **Fig. 4** Do not tighten until all the screws are in place. The baseplate of the AFD should be flush with the topskin of the ski and each screw should be flush with the baseplate of the toe piece. This procedure applies for all toe pieces with a four-hole pattern.

3-HOLE TOE INSTALLATION Z-concept bindings, Spheric Sport and Quadrax

For models with a 3-hole pattern, first pull the center mounting hole sliding track out from the binding far enough to insert the screw into the ski. A long bit is needed (Posidrive Bit, CAN. only Ref. #B18486, for power drills and Salomon Manual Screwdriver Ref. #000862) **Fig. 5**

Tighten the screw until it is firmly seated. Next, slide the toe piece towards the seated center screw until the two rear screws align with their respective holes.

Tighten the rear screws until they are firmly seated. The base plate should be flush with the topskin of the ski and the head of each screw should be flush with the baseplate.

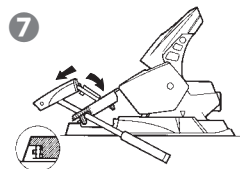
Heel Piece



HEEL PIECE INSTALLATION

Place the heel over the prepared holes and insert the screws using a crisscross screwing pattern. (Do not compress the ski brake before it is mounted on the ski.) **Fig. 6** Do not over tighten.

Ski Brake



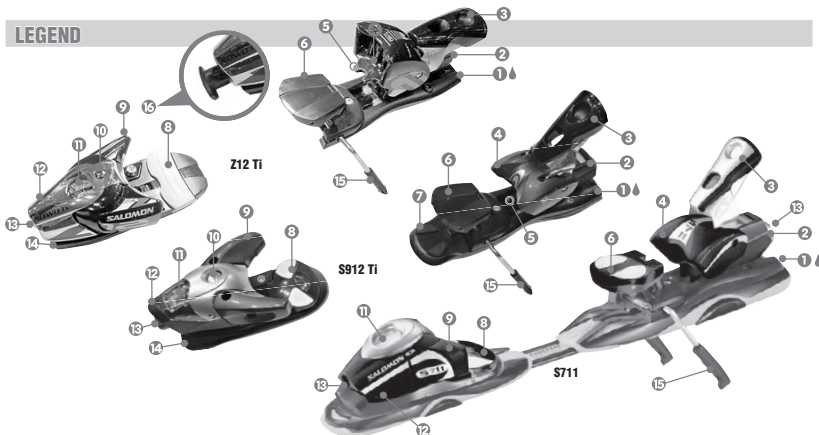
SKI BRAKE INSTALLATION

Do not compress the ski brake before installing it. Place the two metal tabs on the front of the brake into the slots in the heel base plate **Fig. 7**. Rotate the rear of the brake downwards to start the screw in the track. Tighten screws with a hand screwdriver (4 Nm maximum).

Note: The brake can be removed to facilitate ski maintenance.

To remove it: turn the center screw counterclockwise and remove the brake.

LEGEND



- 1 Heel Track
 - 2 Heel Housing
 - 3 Heel Lever
 - 4 Heel Cup
 - 5 Treadle
 - 6 Brake Pedal
 - 7 Pressure Distributors
 - 8 Spheric Pedal/AFD
 - 9 Toe Cup
 - 10 Toe Height Adjustment Screw
 - 11 Visual Indicator
 - 12 Housing
 - 13 Adjustment Screw
 - 14 Baseplate
 - 15 Brake Arm
 - 16 Sliding Center Mounting Hole
- ▲ Lubrication Point*

REFERENCE

Page #	Section Name
9	Drilling, Tapping & Glue
14	Binding-to-Boot Adjustments
23	SC System Demo
23	SR System Rental & Demo
32	Maintenance and Repairs

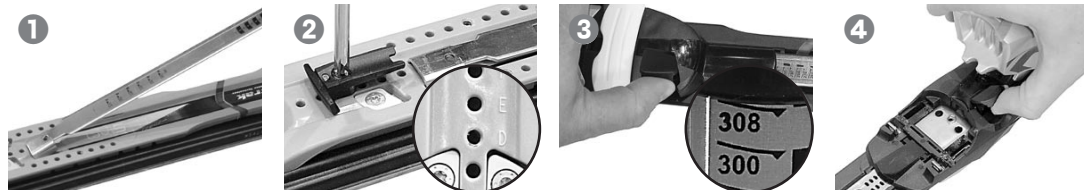
PARTS

Reference #	Item Name
000905	Salomon Grease
000862	Posidrive Screwdriver
B18486	(CAN) Posidrive Bit

* Use Salomon grease (Ref. #000905) on track.

INSTALLATION > Model-specific Installation

Smartrak System



Smartrak System Installation

There are two different mounting procedures for the Smartrack interface, based on the system type.

Smartrak Grip & Grip Plus (fixed toe systems):

Insert metal band into the recessed slots in the plate. **Fig. 1**

Determine sole length in mm of boot.

Identify the letter on the metal band that corresponds to the boot sole length. If the boot sole length is between two numbers, choose the higher number. e.g.: For a boot sole of 320mm, choose setting "334mm D".

Screw the center mounting sliding track into the correspondingly lettered hole at the front of the Smartrak plate. **Fig. 2**

Finish mounting the three hole toe as usual.

Install the heel unit by lifting the tab located just in front of the heel piece and sliding the heel assembly onto the Smartrak plate. **Fig. 4**

Attach the brake in the usual manner.

Position the boot against the toe piece and slide the heel forward until it contacts the boot. Make sure the heel piece "clicks" and locks into position on the track.

Push the boot into the system and verify the forward pressure. Once the forward pressure is correct, the number on the metal band directly in front of the heel provides a guide to the quick positioning of the second heel.

Smartrak Control, Response, and Prolink (adjustable toe systems):

Insert the metal band into the recessed slots in center of plate. **Fig. 1**

Determine the sole length of boot to being used.

Lift the tab behind the AFD on the toe piece and slide the toe piece from the rear of track to the front until the boot sole length number on the metal band corresponds to, or is slightly greater than, the sole length of the boot being used. For example: a boot sole length of 306mm would require that you chose a setting on the band of 308mm. Make sure the toe piece "clicks" and locks into position on the track. **Fig. 3**

Install the heel piece by lifting the tab located just in front of the heel piece and sliding the heel assembly onto the Smartrak plate until the boot sole length number on the metal band corresponds to, or is slightly greater than, the sole length of the boot being used. For example: a boot sole length of 306mm would require that you chose a setting on band of 308mm. Make sure the heel piece "clicks" and locks into position on the track. **Fig. 4**

Install the break in the normal manner and proceed with binding to boot adjustments as described on **page 14** or **page 25**.

Smartrak Interface Mounting

The Smartrak interface is available for use with flat skis.

Position the Smartrak metal jig (ref# 788403) so center mark on

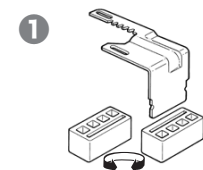
jig aligns with center mark of ski. When installing a Smartrak plate make sure the recessed slots at the

front of the interface are positioned towards the tip of ski

Proceed with drilling, taping, and gluing as described on **page 9**.

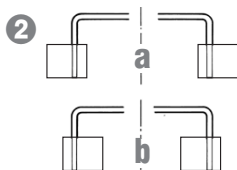
Assemble Smartrak binding following instruction as explained above in **Smartrak System Installation**.

Wide Ski Installation



Wide Ski Jigs are available from Salomon to mount bindings on wide skis. Select the proper jig for the binding to be mounted by referencing the **Jig Selection Chart**.

Reversible pads adapt fat ski jigs to different widths of skis. The pads are changed by pulling them off



the jig and repositioning them to achieve the desired width. **Fig. 1**

The pads are properly positioned when they touch the jig shoulder.

- 98-124 mm skis: Thin sides of the reversible pads are positioned to the inside of the ski. **Fig. 2a**

- 80-106 mm skis: Wide sides of the reversible pads are positioned to the inside of the ski. **Fig. 2b**

Refer to the **Wide Ski Brakes** chart (right). The proper width fat ski brake must be installed for each specific system or indemnification for that system will not apply.

Wide Ski Brakes

1999 to Current Bindings		
Ski Width (mm)	Performance Ref. #	Leisure (Quadrox) Ref. #
80	001185 78574801	001176 78574801
	78145901 78574901	
85	001190 78575001	
90	001182 78575101	
	001183 78575201	
100		
115		

INSTALLATION > Model-specific Installation (continued)

Pilot Edge & Freeride Models Installation

Pilot Edge



Select the correct position for the toe piece on the front base plate by aligning the 2 screws of the toe piece closest to the AFD with the holes marked P1, P2, or P3, according to boot sole length **Fig. 1 (Pilot Edge) & Fig. 3 (Pilot Freeride).**



Position the heel on the rear base plate by aligning the front 2 screws of the heel piece with the holes marked P2 **Fig. 2 (Pilot Edge) & Fig. 4 (Pilot Freeride).**

Pilot Freeride



2005/2006 Pilot Retail Models*

	Sticker #1	Sticker #2	Sticker #3	Sticker #4
Boot Sole Length	294-358 mm	284-348 mm	274-338 mm	264-328 mm
P1 (boot length)	338-358 mm	328-348 mm	318-338 mm	308-328 mm
P2 (boot length)	319-337 mm	309-327 mm	299-317 mm	289-307 mm
P3 (boot length)	294-318 mm	284-308 mm	274-298 mm	264-288 mm

Pilot Edge Model (ski length in cm)

Crossmax V12	178	170+169+162	154+146	
Crossmax V10		170+169+162	154+146	
Crossmax V8		180+175	155+150	
Demo 10 3V	170	165+160	155+150	
Demo 10 2V	178	170+169+162	154+146	
Demo 9	178	170+169+162	154+146	
Equipe 9 GC	178	170+169+162	154+146	
Equipe GC	178	170+169+162	154+146	
Equipe SC	170	165+160	155+150	
Rush 10		170+169+162	154+146	

Pilot Freeride Model (ski length in cm)

Scrambler HOT	182	174	166	158+150
Scrambler 9	182	174	166	158+150
Scrambler 8	175	165	155	145
Scrambler 7	175	165	155	145
Siam 10		174	166	158+150
Siam 7	174	164	154	144

2005/2006 Pilot Rental Models*

	Sticker #5	Sticker #6	Sticker #7	Sticker #8
Boot Sole Length	280-376 mm	270-366 mm	260-356 mm	250-346 mm

Pilot Edge Model (ski length)

Crossmax V12	178	170+162	154+146	
Equipe GC	178	170+162	154+146	
Equipe SC	170	165+160	155+150	
Rush 10		169+162	154+146	

Pilot Freeride Model (ski length)

Scrambler HOT	182	174	166	158+150
Scrambler 8	175	165	155	145
Scrambler 7		165	155	145
Siam 10		174	166	158+149
Siam 7	174	164	154	144

*2004-2005 models are listed in the **2005-2006 Salomon Shop Practices Manual.**

Powder Option



Installation with S914, S912 & S810 Bindings

The Powder Leash is for use in powder conditions and is designed to be used with S914, S912, S810 model bindings. **Fig. 1**

The Powder Strap consists of a cord loop and a removable ribbon strap.

To install the Powder Strap, insert the rectangular piece of the cord loop under the binding heel base-plate (the binding heel will need to

be removed), with the cord loop extending from the rear of the heel. Clip the ribbon strap to the cord loop and place the strap under the bottom of the skier's pants for use in powder conditions.

Jig Use With Extra Large Boot Soles

Occasionally a boot sole is too large to fit a jig. In this instance, the following procedure should be used to allow correct mounting of the binding:

1. Open the jig to its fully extended position.
2. Place the boot heel into the jig against the heel guide.

3. Measure the length of the sole that extends over the toe arrow (viewed from the underside) of the jig.
4. Divide this length in half (measurement A).
5. Place the fully extended jig onto the ski with the boot mid-sole mark aligned with the mid-sole mark on the ski.

6. Move the jig forward of the mid-sole the same distance as measurement A and drill the toe holes.
7. Re-align the jig's mid-sole mark to the ski's mid-sole mark. Move the jig backwards from the mid-sole mark the same distance as measurement A and drill the heel holes.

8. Install the bindings. (Verify that screw penetration will not exceed hole depth.)

REFERENCE

Page #	Section Name
8	Jig Selection & Use
9	Drilling, Tapping & Glue
15	Release Valve Selection & Adjustment
15	Requested Settings

PARTS

Reference #	Item Name
000902	Salomon Adjustment Tool
001023	Adult Binding Paper Jig
001056	Salomon Powder Option
887528	Poweraxe Paper Jig

Competition Bindings > Intended Use

Salomon distributes competition bindings to racers and coaches. These bindings are intended to be used by skiers with special reten-

tion needs. If these bindings are used by recreational skiers, there is a far greater risk of injury due to the use of more powerful springs.

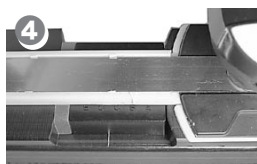
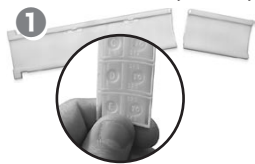
Refer to **Requested Settings** for instructions for skiers requesting settings not recommended by Salomon.

INSTALLATION > Model-specific Installation (continued)

ZZ Speed 2 Interface

Installation of the 914 LAB, 916 LAB, 920 LAB bindings

WARNING: The 914 LAB, 916 LAB, and 920 LAB are the only bindings that should be installed on the ZZ interface



Assembly

Measure boot sole length in mm and then break the yellow plastic ZZ blade spacer (**Fig. 1**) at the appropriate length (the resulting spacer should include the last tab which matches the boot length).

Slide the blade spacer onto the ZZ blade until it rests against the black base plate. Make sure the metal blade is properly seated in spacer.

Insert the end of the blade spacer into the recessed area on the bottom of the toe piece base plate. **Fig. 2**

Insert the post of the ZZ blade lock plate between the rear two screws

of the toe piece. Press firmly into place. **Fig. 3**

Attach the appropriate lifter shim, (yellow = 2 mm, black = 1 mm). **Do not add more than 5 mm of lifters.**

Mounting

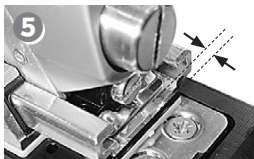
Select a ski with the correct size ZZ interface place (S, M, or L) for the boot sole length by referring to the **ZZ Speed 2 Installation Chart.**

Align the binding assembly on the ZZ interface using the screw position number code (1 or 2) found in the **ZZ Speed 2 Installation Chart. Fig. 4**

Tighten the toe screws in a criss-cross pattern.

Verify that the heel track is positioned correctly. The end of the metal ZZ blade should be 3 mm forward of the end of the stainless steel heel track. **Fig. 5**

Tighten the heel screws in a criss-cross pattern.



Verify that the height suits FIS norm limits (50-55 mm).

Install the brake.

Adjustment

Place boot into binding system and adjust the toe as usual.

Check the forward pressure: the ZZ plate system uses a unique forward pressure system. To move the heel, turn the forward pressure screw, situated directly below the DIN adjustment screw. The forward pressure is correct when 3 mm of the screw shaft is visible between the screw head and binding housing. **Fig. 6**

ZZ Speed 2 Installation

Boot sole length (mm)	Size Letter Code	Screw Position	
		1	2
265-297	S	265-282	283-297
298-327	M	298-311	312-327
328-343	L	(N/A)	328-343

NOTE

Installing either the S916 LAB or S914 LAB on the 2005-2006 ZZ interface requires a slightly different approach to assembly and mounting. **Assembly:** the yellow plastic blade spacer has letter codes corresponding to the boot sole length and must be broken at the appropriate tab. Make a note of this letter. The rest of the assembly is the same. **Mounting** begins by aligning the binding assembly's center mark (arrow on the yellow blade spacer) to the corresponding letter code on the interface before tightening the toe screws and continuing with the rest of the mounting and adjustment as with current models.

ITF Free & Fast Interface Installation

For instructions on mounting and adjusting ITF (Installation Tool Free) Systems, consult the **2005-2006 Salomon Shop Practices Manual.**

Special Brakes

Special Carving brakes are available with 115 mm long arms and large brakes. Consult the **Salomon Spare Parts Catalog.**

Recommendations for Carving Brakes

Carving Brakes ref. 78576001-78574601-78574701 => Length Arms = 115 mm

*Maximum weight authorized	3,800 kg
*Maximum height authorized	65 mm
*Minimum height authorized	48 mm

*Weight and height indicated for one half unit for skiing = 1 ski + 1 binding + 1 interface.

Powerplate Junior



Compatible with Quadrax bindings (all range) and Driver binding range 04-05 only. **Fig. 1**

Mounting

According to the boot sole length selected, tighten the screws on the

toe and heel pieces (4Nm torque) in the corresponding position on junior interface:

253-281 mm
273-301 mm
293-321 mm

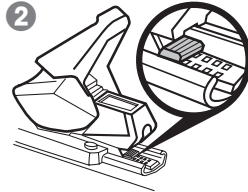
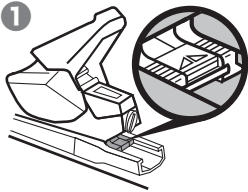
313-341 mm
333-361 mm
353-381 mm

Mount the brake following the usual procedure.

BINDING-TO-BOOT ADJUSTMENTS

Adjusting

Heel Position / Forward Pressure



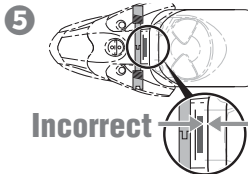
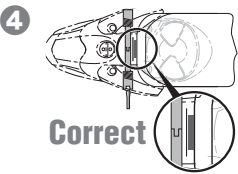
Adjustment Tab Models.

(All current retail models) Check that the tip of the boot sole is flush against the butt plate of the toe piece (or central roller of applicable models). The forward pressure is correct when the arrow on the adjustment tab lines up within the scribed area at the

end of the heel housing **Fig. 1** or when the arrow of the rear of the heel housing lines up within the scribed area on the adjustment tab. **Fig. 2** If this adjustment is incorrect, remove the boot from the binding, lift the adjustment tab using a Salomon Adjustment Tool and slide the heel to the desired

position. **Fig. 3** Re-insert the boot and check the adjustment.

Toe Cup Width



Independent Wing Adjustment Models.

The adjustment screws for models with independent wing adjustments are located on each side of the toe piece. Adjust each wing snugly against the boot sole so that the boot is centered over the ski. **Fig. 4 Do not over tighten Fig. 5** as it forces the boot backward, increasing the forward pressure. When properly adjusted, the toe contacts the boot sole at

three points: the butt plate and the low friction inserts in each wing arm.

Simultaneous Wing Adjustment Models.

(S914, S912, S810, S850 Models and their predecessors). The adjustment screw for models with simultaneous wing adjustments is located on the left of the toe piece. **Fig. 6** By turning this screw, both toe wings adjust

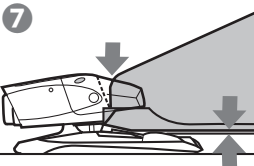
simultaneously. Adjust the wings snugly against the boot sole. **Do not over tighten.** The toe cup adjustment is correct when there are three points of contact: the butt plate and the low friction inserts on each wing arm.

Automatic Wing Adjustment Models.

Spheric Sport and Quadrax model toe wings adjust automatically. The C305 adjusts automatically to accept either children's or adult

norm boots. (The added width of an adult norm boot sole somewhat limits the shock absorption capability of the C305. It is suggested that aggressive junior skiers with an adult norm boot sole use a model designed exclusively for adult norm boots.)

Toe Height



All Salomon retail binding models must have a clearance of 0-0.5 mm between the AFD and boot toe. **Fig. 7**

Automatic Wing Adjustment Models.

Toe height adjusts automatically on all current automatic wing adjustment binding models (Z12 to 305).

Manual Models.

Currently only the 914 binding model features manual toe height adjustment. Raise the toe by turning the adjustment screw, located on top of the toe piece, counterclockwise. Pull the boot back to create a gap between the boot sole and the binding AFD. Adjust the toe height to create a

gap of not more than 0.5 mm or until the boot sole just touches the AFD. You can use a Salomon 0.5 mm toe height adjustment card to gauge this clearance. **Do not over tighten.** (Always re-check the forward pressure adjustment after making any toe cup adjustments.)

REFERENCE

Page #	Section Name
15	Release Value Selection & Adjustment
34	AFD Replacement

RELEASE VALUE SELECTION & ADJUSTMENT

Determining Skier Type

It is the skier's responsibility to determine Skier Type. Skier Type is not the same as skier ability and the two should not be confused. Skier Type must be indicated on the workshop form or rental form by the skier. The **Skier Classification Chart** is available in small and large poster size versions from Salomon and should be displayed to assist customers in classifying themselves.



What type of skier are you?

Determining your SKIER TYPE is your responsibility!

Your skier type, height, weight, age and ski boot sole length are used by the shop to determine the visual indicator settings of your ski bindings. Be sure to provide accurate information, as any error may increase your risk of injury. Consult these descriptions to select your classification:

These descriptions are compatible with ASTM and ISO documents.

TYPE 1 "Cautious skiing at LOWER visual indicator settings"

- Prefer slow to moderate speeds.
- Prefer gentle to moderate terrain.
- Receive lower than average visual indicator settings. This may increase the risk of inadvertent binding release in order to increase the likelihood of release in a fall.
- Type 1 settings apply to "entry-level skiers uncertain of their classification".

TYPE 2 "Moderate skiing at AVERAGE visual indicator settings"

- Prefer a variety of speeds.
- Prefer varied terrain.
- Type 2 skiers are skiers who do not meet all the descriptions of Type 1 or Type 3 skier types.

TYPE 3 "Aggressive skiing at HIGHER visual indicator settings"

- Prefer fast speeds.
- Prefer steep terrain.
- Receive higher than average visual indicator settings. This may reduce the likelihood of release in a fall in order to decrease the risk of inadvertent binding release.

If from experience, you have been dissatisfied with visual indicator settings resulting from your selected skier type classification, you may wish to consider: (a) changing your skier type classification; (b) selecting different skier type classifications for toe and heel components; (c) selecting skier Types -1 ("for skiers who desire visual indicator settings lower than settings for a Type 1 skier") or 3+ ("for skiers who desire visual indicator settings higher than settings for a Type 3 skier").

Requested Settings

Skiers Requesting Settings Not Recommended by Salomon

The **2006/2007 Salomon Adjustment Chart** is the only release adjustment chart authorized for use by Salomon dealers during the 2006/2007 season. Salomon recognizes a skier's right to choose settings outside those recommended as per the current Salomon Adjustment Chart (particularly when the skier's preferred setting is also within the range of acceptable settings).

If the skier requests a setting other than the one derived from the current Salomon Adjustment Chart, the shop may:

- Adjust the system to individual requests IF the technician notes on the workshop or rental form the reason the higher or lower setting was requested. The customer must verify the request for the higher or lower settings by signing and dating the form by the noted reason of the setting request. (It is suggested that the shop have the skier sign a release identical to the **Release Agreement** printed on this page. The release must then be attached to the completed workshop or rental form.) **NOTE:** Current Salomon workshop and rental forms include a "Requested Settings" option for customer requested settings, which eliminates the need for a separate release in such instances.
- Adjust the system to the setting derived from the Salomon Adjustment Chart and instruct the skier on how to change the setting.

Release Agreement

I, _____ hereby acknowledge that I have been advised by the

_____ (rental shop, sales department, etc.) that the setting which I have requested for my bindings (Model _____) is not the setting recommended by the manufacturer of the bindings for a skier of my height, weight, age and skier type. I understand that as a condition of obtaining this setting on the bindings at the time of their delivery, I must agree to forever release the shop, its employees and agents, the manufacturer, and the distributor from any and all liability for injury or death which results to me or others from the use of these bindings. I acknowledge that there may be increased risk of injury or death to me as a result of my own personal preference for binding setting, particularly in view of the inherent and other risks of the sport of skiing. I hereby waive all claims arising from the use of the bindings and release from all liability the shop, the distributor and the manufacturer, their agents and employees and I further agree to indemnify them from any and all liability or harm or damage of any kind whatsoever which may result from the use of these bindings by myself or anyone I allow to use the bindings.

I, the undersigned, have read and understand this liability release agreement, and agree that it is binding upon me, my heirs, guardians, administrators, assigns, and legal representatives.

Skier Signature

(or, in the case of a minor, that of the skier's parent or guardian)

Shop Manager's Signature

RELEASE VALUE SELECTION & ADJUSTMENT > (continued)

2006/2007 Salomon Adjustment Chart

All current model Salomon bindings use the DIN adjustment scale. Release setting numbers on this scale are referred to as "visual indicator settings." Some older model Salomon bindings were manufactured prior to the establishment of the DIN standard scale and use a different adjustment scale. Refer to previous Shop Practices Manuals to adjust these models. The 2006/2007 Adjustment Chart is the only release adjustment chart authorized for Salomon dealers during the 2006/2007 season. Only those settings recommended by Salomon should be used when determining the appropriate adjustment for each skier's system. Refer to **Skier's Requesting Settings Not Recommended by Salomon** (page 15) for skiers requesting other settings.

Skier				Initial Toe/Heel Indicator by Boot Sole Length (mm)						Twist	Forward Lean
Weight lb	kg	Height ft-in/cm	Skier Code*	≤ 250 mm	251- 270 mm	271- 290 mm	291- 310 mm	311- 330 mm	≥ 331 mm	5	18
22-29	10-13		A	3/4	3/4					8	29
30-38	14-17		B	1	1	3/4				11	40
39-47	18-21		C	1 1/2	1 1/4	1				14	52
48-56	22-25		D	1 3/4	1 1/2	1 1/2	1 1/4			17	64
57-66	26-30		E	2 1/4	2	1 3/4	1 1/2	1 1/2		20	75
67-78	31-35		F	2 3/4	2 1/2	2 1/4	2	1 3/4	1 3/4	23	87
79-91	36-41		G	3 1/2	3	2 3/4	2 1/2	2 1/4	2	27	102
92-107	42-48	≤4'10" ≤148 cm	H		3 1/2	3	3	2 3/4	2 1/2	31	120
108-125	49-57	4'11"-5'11" 149-157 cm	I		4 1/2	4	3 1/2	3 1/2	3	37	141
126-147	58-66	5'2"-5'5" 158-166 cm	J		5 1/2	5	4 1/2	4	3 1/2	43	165
148-174	67-78	5'6"-5'10" 167-178 cm	K		6 1/2	6	5 1/2	5	4 1/2	50	194
175-209	79-94	5'11"-6'4" 179-194 cm	L		7 1/2	7	6 1/2	6	5 1/2	58	229
≥ 210	≥ 95	≥6'5" ≥195 cm	M			8 1/2	8	7	6 1/2	67	271
			N			10	9 1/2	8 1/2	8	78	320
			O			11 1/2	11	10	9 1/2	91	380
			P					12	11 1/2	105	452
										122	536
										142	640

* Based on "Type 1" Skier

Torque Range
(Newton Meters)


STEP 4

Determining & Adjusting Visual Indicator Settings

The following procedure is used for determining visual indicator settings using the 2006/2007 Salomon Adjustment Chart.

- Find the Skier's Code. Locate the skier's weight and height in the first two columns. If the skier's weight and height are not in the same row, select the Skier's code that is closest to the top of the chart.
- The skier's code is appropriate for Type 1 skiers:
 - For Type 2 skiers, move down on the chart one row.
 - For Type 3 skiers, move down on the chart two rows.

- For Type -1 skiers, move up on the chart one row.
 - For Type 3+ skiers, move down on the chart three rows.
 - A skier may select different skier types for toe and heel piece.
- For skiers age 9 and younger or age 50 and older, move up the chart one row.
 - For skiers 29 lbs. and under, no further correction is appropriate.
 - For skiers 38 lbs. and under, Skier Type -1 is inappropriate.
 - Locate the column that represents the skier's boot sole length (in mm).

- The box at the intersection of the skier's boot sole length column and the Skier's Code row shows the initial visual indicator setting for the skier. If the intersection of the row and column falls in a blank box, move left or right on the same row to the nearest box showing a visual indicator setting.
- Record the visual indicator settings on the Workshop Form.
 - If a skier selects different skier types for toe and heel piece, it must be recorded on the workshop or rental form in the order toe/heel (T/H), using a (/) to separate the two types.

Visual Indicator Setting Adjustment

Adjust both toes and heels of the system to the visual indicator setting derived from the adjustment chart. Sometimes a technician may experience difficulty determining exactly where the visual indicator should appear in the binding's visual indicator window. For example, a setting of 5 1/2 is not precisely marked on the binding. The technician should use those values that are clearly marked on the binding as reference points and set the release adjustment as close as possible to the setting that is recorded on the Workshop Form.

FINAL CHECKING & VISUAL INSPECTION

While anyone can mount and adjust a Salomon binding, to receive indemnification from Salomon a Salomon Certified Technician must sign or initial the Workshop Form attesting 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.

Visual Inspection of System Components

Common Compatibility Problems

The Boot

- Inconsistencies with ISO and applicable norms.
- Gross irregularities where the boot contacts the binding and the AFD.
- Unacceptable low grade thermoplastic construction.
- Rubber and/or metal tip protectors
- Mold flashings.
- Excessive wear.
- Debris lodged in the sole.
- Warped or improperly canted boot sole.
- Cut-outs in the sole that impede proper brake function. (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 Salomon binding.)

The Binding Components

- Stripped, loose or missing screws.
- Condition of the AFD (ripped, loose, imbedded dirt, boot sole pattern, tread imprint, etc.).
- Condition of anti-friction inserts (where applicable).
- Missing or unreadable visual indicators and missing windows.
- Bent or broken baseplate, principal axis or housing.
- Stripped or jammed toe height and cup adjustment screws.
- Jammed release adjustment screw.
- Other visible wear.
- Improperly installed leash or brake.
- Irregular heel track function.
- Bent or broken baseplate, track or heel.

The Ski

- Mounting screws protruding through the base.
- Delaminated sidewall. This can be detected visually or by running your fingers along the sides of the ski.
- Binding baseplates not flush with ski surface.
- Delaminated topskin.
- Pre-drilled holes. As a general rule, bindings should not be installed on skis that have previously been drilled for three or more sets of bindings.

The Ski Brake

- Improper brake arm length.
- Improper installation.
- Broken entry pedals.
- Bent or broken brake arms.
- Strength of ski brake. A brake must not compress totally when the ski is set on a flat surface.
- Other visible wear.

Visual Inspection of 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).
- Central roller adjustment (if applicable).
- Forward pressure adjustment.
- Visual indicator settings.
- Symmetrical mounting of bindings to ski center line (%1 mm). This should be in the same location on both skis.

Test for Elastic Travel & Return



Lateral

Secure the ski. Hit the forefoot area of the boot with an object that will not damage the boot, such as a rubber hammer. **Fig. 1** 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.

Vertical

Depress the heel lever while pulling forward on the upper cuff of the boot until the boot heel lifts at least 5 mm. **Fig. 2** Release both hands simultaneously. The boot should return to the ski quickly and smoothly. This inspection can be performed either manually or by using a mechanical testing device. If a testing device is used, follow the recommendations of the test device manufacturer for proper procedure.

If the system passes these tests, mark "Pass" (✓) on the Workshop Form for "Test for Elastic Travel & Return". If the system fails, see

Troubleshooting.

Test for Boot/Binding Compatibility

Check the boot/binding combination to ensure all components are compatible. Unless a binding is specifically designed for use with both junior and adult norm boot soles, adult and junior systems cannot be combined, e.g., junior boots with adult bindings or vice versa. If the system passes this test, mark "Pass" (✓) on the Workshop Form for "Test of Boot-Binding Compatibility."

If you are not sure that the boot complies with standards or if you are not sure that the system components are compatible, see **Troubleshooting**.

REFERENCE

Page #	Section Name
53	Standard Boot Sole Dimensions
19	Troubleshooting
21	Salomon Workshop Form

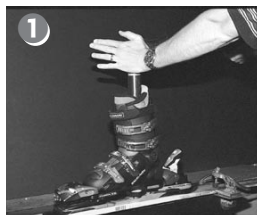
MECHANICAL INSPECTION

It is a requirement* for Salomon indemnification that all ski/binding/boot systems be verified using a force or torque measuring device.**

A previously damaged binding component or boot may break during the added stress of mechanical testing. Consumers should be advised of this possibility prior to any mechanical testing of their equipment.

Twist Test & Forward Lean Tests > Release Value Within Specified Range

Twist Test (Toe)



Exercise the toe by releasing it once in each direction. Measure and record the test result for both clockwise and counterclockwise directions **Fig. 1** with a force or torque-measuring device. The test result is the middle quantitative value of three measured release values. If the first

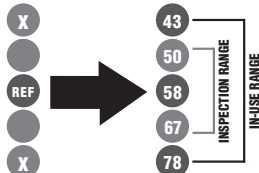
Examples of Middle Quantitative Values

3 Maximum Release Values	Middle Quantitative Value (Test Result)
45, 40, 50	45
60, 50, 50	50
30, 40, 45	40
55, 65, 60	60

two measured values are the same, there is no need to take a third measurement. **See Examples of Middle Quantitative Values (above)**

The toe passes this inspection if the test results in both directions fall within the "Inspection Range"

Sample Systems Inspection Ranges Based on Skier Code "L"



as determined from the **Salomon Adjustment Chart. See Sample Systems Inspection Ranges (above).**

If your test results for clockwise and counterclockwise release appear to be at opposite extremes of the

inspection range, you may have an installation error or an incompatible boot. This is known as asymmetric release. Troubleshoot the system and re-test after the problem has been corrected.

Forward Lean Test (Heel)



Exercise the heel by releasing it once. Measure and record the test result using a force or torque measuring device. **Fig. 2** The test result should be within the "Inspection Range." If both twist and forward lean results fall within

the appropriate inspection range, mark "Pass" (✓) on the **Workshop Form** for "Release Value Within Specified Range."

Results Not Within the Specified Range

If the **Twist Test** or **Forward Lean Test** results are not within the "Inspection Range" but are within the greater "In-Use Range," the visual indicator of the component affecting the test result should be readjusted to bring the test result within the "Inspection Range." If the test result is outside the "In-Use Range," refer to **Troubleshooting** on page 19. It

is not necessary to record any of the test results on the **Workshop Form**. It is only necessary to record whether the system passed or failed each inspection and the final visual indicator settings. Any system component that repeatedly fails any inspection should not remain in use. When the technician is satisfied that all required procedures have been completed ac-

cording to Salomon's recommendations in this manual, he or she must sign the **Workshop Form**. (The signing technician must be currently certified by Salomon.)

REFERENCE

Page #	Section Name
16	2006/2007 Salomon Adjustment Chart
19	Troubleshooting
21	Salomon Workshop Form

NOTE

- *U.S. Dealers only; recommended for Canadian Dealers.
- **For Salomon indemnification to apply, the shop must follow the test device manufacturer's requirements for:
 - Proper use.
 - Valid calibration.
 - Calibration check at recommended intervals.
 - Consistent results between technicians operating this device.

MECHANICAL INSPECTION > Troubleshooting

Boot/Binding systems wear with time. This is expected. Normal wear and/or fatigue of a system can be expected. If a system inspection indicates a system is not functioning as intended, the cause of the problem must be identified and corrective action should be taken.

Troubleshooting

The first step is to re-examine each component of the ski/boot-binding/boot system individually. If a problem is found, e.g., stripped toe height screw, out-of-standard boot sole, improperly mounted binding, missing AFD, etc., proper **Binding-to-Boot Adjustments** cannot be made. No further work can be performed on the system. Mark "Fail" (√) on this section of the **Workshop Form**.*

If the system failed the **Test for Elastic Travel & Return**, check that all boot/binding interfaces are clean, smooth and clear of debris. If the boot is dirty, clean it with a solution of mild dish washing soap and water. If the binding is dirty, clean it according to the procedures described in **Maintenance and Repair**. Check that the boot enters the binding correctly. Make sure the boot is properly positioned in the toe and heel cups. Check the visual indicator set-

tings. They should not exceed the minimum or maximum setting and should be set appropriately for the skier. Re-test the system for **Elastic Travel & Return**. If the system fails this test, mark "Fail" (√) on this section of the **Workshop Form**.*

If the system failed the **Test For Boot/Binding Compatibility**, mark "Fail" (√) on this section of the **Workshop Form**.* If you are not sure that the boot complies with the mandatory standards, or if you are not sure that the boot/binding system components are compatible, do a **Clean vs. Lubricated Test**. To perform a **Clean vs. Lubricated Test**, all adjustments to the system, e.g., visual indicator settings, forward pressure adjustments, etc., must be the same as when the system was previously tested. Lubricate the boot with a mild dish washing soap wherever it contacts the binding and wipe off

any excess lubricant. Perform the **Twist Test** and **Forward Lean Test** as done previously and record your results. Next, compare the results of the lubricated test with those of the previously performed non-lubricated clean test. Plot the results on the **Compatibility Tables**. If the results don't fall within the shaded "Pass" window on the table, the **BOOT** is incompatible with the binding and should not be used. Mark "Fail" (√) on the **Workshop Form**.*

If no problems have been found with the system and the **Release Value Within Specified Range** cannot be obtained, further tests must be undertaken. First, switch testers to check operator accuracy. Next, check the accuracy of the testing device per the device manufacturer's recommendations. Re-test the system. If the system releases outside the "In-Use Range,"

mark "Fail" (√) on this section of the **Workshop Form**.*

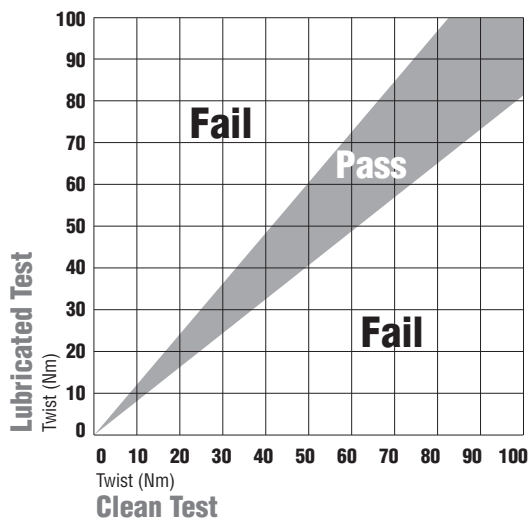
If the customer refuses to have work done that is necessary to bring the system within standards, or requests work that violates the recommendations of this manual, the technician should check the box next to the statement indicating out-of-standard components on the **Workshop Form**. A note should be made in the **Comment** section of the form describing the problem and the skier should be warned that continued use of the system is inadvisable. The shop will not be indemnified for work done on that system.

REFERENCE	
Page #	Section Name
17	Test For Elastic Travel and Return
17	Test For Boot/Binding Compatibility
21	Salomon Workshop Form
73	Salomon Retail Binding Limited Warranty

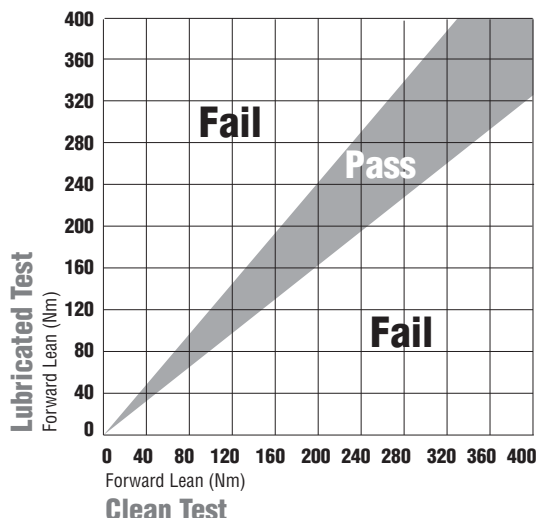
* The customer should be informed of, and authorize, action needed to correct the problem. Please refer to the **Technical Reference** section for warranty information on binding components covered under warranty.

Compatibility Tables: Clean vs. Lubricated Tests

Twist Test



Forward Lean Test



SKIER INSTRUCTION, WARNING & RECORD KEEPING

Skier Instruction & Warning

When the Certified Technician signs or initials the Workshop Form, the technician attests that all procedures have been completed. It is not necessary for the technician to personally provide the skier with instructions as long as the shop does. To help reduce your shop's liability risk and to receive indemnification from Salomon, take the following steps whenever a skier picks up their equipment. (If the individual picking up the equipment is not the intended user, treat that individual as though they were the intended user. In the case of minor skiers, follow these steps in the presence of both the minor skier and a parent or legal guardian.)

Explanation of Entry/Exit/Re-entry

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

Explanation of Parts and Release Adjustments

Show the skier where the visual indicator adjustment caps/screws are located. Point out the binding-to-boot adjustments. Indicate where the visual indicator settings are

recorded on the Workshop Form and have the customer verify that the settings recorded on the form agree with the settings appearing in the visual indicator window of the binding. (It is not necessary to explain how these numbers are derived.) Although skiers may work on their own system, suggest that if a problem develops, the system should be taken to a Salomon Authorized Binding Dealer.

Receipt of In-Box Instructions

When a skier purchases a new binding, it is required that they also receive the in-box pamphlet included in each binding box. The pamphlet should be reviewed with the skier so that it is fully understood.

Skier Signature on the Workshop Form

The skier must read and understand the conditions specified in the Liability Release Agreement. Point out that the skier is signing a release of liability and that included in the release is a specific warning that the binding will not release under all circumstances nor is it possible to predict every situation in which it

will release, and it is, therefore, no guarantee of the skier's safety.

The Skier must then sign the Workshop Form, indicating the skier:

- Has been instructed in the proper use of the equipment.
- Has received the in-box pamphlet (new bindings only).
- Has verified that the visual indicator settings correspond to the recorded settings on the Workshop Form.
- Has read and understands the specific information on the Workshop Form that releases the shop, manufacturer and distributor from liability.
- Understands that skiing involves inherent risks and that injuries are a common and ordinary occurrence of the sport.
- Understands that included in the Liability Release Agreement is the specific warning that the binding will not release at all times or under all circumstances where release may prevent injury or death, nor is it possible to predict every situation in which it will release, and it is, therefore, no guarantee of their safety.

- Understands that the bindings should be maintained as per suggestions in **Maintenance Guidelines** prior to the beginning of each season and every 30 skier days per year.

The person who signs the Workshop Form should be the intended user of the equipment. In the case of a minor skier, the signature on the form must be that of the skier's parent or legal guardian. If someone other than the skier or the skier's parent or guardian picks up the equipment, this person should be treated as though he or she were the skier and, therefore, must sign the Workshop Form. A note must be placed on the Workshop Form that the "agent" must transmit the information to the intended user. If a skier refuses to sign the Workshop Form, Salomon will not provide indemnification and the shop should consider refusing to provide service to the skier.

Receipt of Workshop Form

The skier must be given a copy of the Workshop Form that includes a signed copy of the Liability Release Agreement.

Retail Record Keeping

A Salomon authorized shop is required to keep accurate records of work performed. Aside from the legal reasons, accurate records provide a permanent history of the customers you have serviced over the years. Workshop records must be kept for five years or for the statute of limitations of the state or province, whichever period is longer.

The following is a list of information* that must be recorded every time a Salomon binding is mounted and/or adjusted. It is not necessary to use a **Salomon Workshop Form**, but any form that the shop uses should include all the information listed below.*

1. *Date of transaction.
2. *Name and address of the skier.
3. *Skier's height, weight, age and skier type.
4. *Skis (brand, model and serial number).
5. *Boot (brand, model and sole length).
6. *Binding (brand and model).

7. *Skier's Code.
8. *System inspection results ("Pass" or "Fail" for all functional tests must be indicated).
9. *Visual indicator settings.
10. *Salomon Certified Technician's initials or signature attesting that all functional tests and instructional procedures have been completed.
11. *Liability Release Agreement which is either the same as/or substantial equivalent of the Salomon form.
12. *Skier signature (or that of the skier's agent or, in the case of a minor, that of the skier's parent or guardian) attesting that the skier:
 - a. Has been instructed in the proper use of the equipment.
 - b. Has received the in-box pamphlet (new bindings only).
 - c. Has verified that the visual indicator settings correspond to the recorded visual indicator settings.
 - d. Has read and understands the Liability Release Agreement on the Workshop Form.
 - e. Understands that there are inherent and other risks in the sport of snow skiing and agrees to assume those risks.
 - f. Understands that included in the Liability Release Agreement is the specific warning that the binding will not release under all circumstances where release may prevent injury or death, nor is it possible to predict every situation in which it will release, and it is, therefore, no guarantee of their safety.
 - g. Understands that bindings should be maintained as per suggestions in Maintenance Guidelines.
13. Notes on the boot sole's material, shape and/or condition should be made when necessary.

14. If the visual indicator settings vary from the recommended setting, note the reason for this. Attach a signed release to the Workshop Form. NOTE: Current Salomon workshop and rental forms include a "Requested Settings" option for customer requested settings, which eliminates the need for a separate release in such instances.
15. Refusal to serve statement. This statement should be written so as to absolve the ski shop from any liability when the customer refuses to have work performed as per guidelines of Salomon and the shop

NOTE

* Without this information, indemnification will not apply.

REFERENCE

Page #	Section Name
21	Salomon Workshop Form
21	Liability Release Agreement
33	Maintenance Guidelines

SKIER INSTRUCTION, WARNING & RECORD KEEPING

Salomon Workshop Form*



Taken By: _____ Date Due: _____ Date: _____

Name: Last _____ First _____ MI. _____
 Street _____
 City _____
 State _____ Zip _____
 Phone # _____
 Your Weight _____ lbs. Your Height _____ ft. _____ in. Age _____

Downhill Skiing

Snowboard

Indicate Skier Type:

Stance:

Regular Goofy
 L _____ R _____

Acknowledgement of Personal Information, Equipment Instructions & Liability Release Agreement

I have accurately represented the above listed information and it is true and correct. I will not use any of my equipment until I have received instruction on its use and I fully understand its use and function [including receipt of accompanying manufacturer's instruction pamphlet(s) for new equipment]. I agree to verify that the visual indicator settings to be recorded on this form for downhill ski equipment, and skiboards equipped with release bindings, agree with the number appearing in the visual indicator windows of the equipment to be listed on this form. I agree to read and execute the LIABILITY RELEASE AGREEMENT on the back of this form.

Equipment User's Signature:

Parent/Guardian Signature

(if not adult user): _____

SKIS/SNOWBOARD/SKIBOARD	Model	\$
Serial No:		
BOOTS		
Model:	Sole Length (cm):	
BINDINGS		
Brand:	Model:	
POLES		
Brand:	Length:	
Other:		
	EQUIPMENT TOTAL	\$
Work Requested		

FWD PRESSURE	<input type="checkbox"/>	Equipment	
DIN SETTING	<input type="checkbox"/>	Labor	
TOE HEIGHT	<input type="checkbox"/>	Sub-Total	
SCREW TENSION	<input type="checkbox"/>	Tax	
WAXED/EDGED	<input type="checkbox"/>	TOTAL	\$
TECH INITIAL: _____			

RELEASE BINDING SYSTEM INSPECTION

Skier's Code

	PASS	FAIL	N/A
Binding-to-Boot Adjustment	()	()	()
Test for Elastic Travel & Return	()	()	()
Test of Boot-Binding Compatibility	()	()	()
Release Value Within Specified Range	()	()	()

Due to system components that are out of standard or otherwise unsuitable, the work cannot be performed. (See COMMENTS below)

Visual Indicator Settings		Requested Settings	
L Toe	R Toe	L Toe	R Toe
L Heel	R Heel	L Heel	R Heel

Comments: _____

Technician's Signature: _____



Name _____

LIABILITY RELEASE AGREEMENT

I understand that the binding system cannot guarantee the user's safety. In downhill skiing, and skiboarding with skiboards equipped with release bindings, this binding system will not release at all times or under all circumstances where release may prevent injury or death, nor is it possible to predict every situation in which it will release. In snowboarding, cross-country skiing, skiboarding with skiboards equipped with non-release bindings, snowshoeing and other sports utilizing equipment with non-release bindings, the binding system will not ordinarily release during use; these bindings are not designed to release as a result of forces generated during ordinary operation.

I understand that the sports of skiing, snowboarding, skiboarding, snowshoeing and other sports (collectively "RECREATIONAL SNOW SPORTS") involve inherent and other risks of **INJURY** and **DEATH**. I voluntarily agree to expressly assume all risks of injury or death that may result from these RECREATIONAL SNOW SPORTS, or which relate in any way to the use of this equipment.

I understand that a helmet designed for RECREATIONAL SNOW SPORTS use will help reduce the risk of some types of injuries to the user at slower speeds. I recognize that serious injury or death can result from both low and high energy impacts, even when a helmet is worn.

I AGREE TO RELEASE AND HOLD HARMLESS the facility servicing this equipment, its employees, owners, affiliates, agents, officers, directors, and the equipment manufacturers and distributors and their successors in interest (collectively "PROVIDERS"), from all liability for injury, death, property loss and damage which results from the equipment user's participation in the RECREATIONAL SNOW SPORTS for which the equipment is provided, or which is related in any way to the use of this equipment, including all liability which results from the **NEGLIGENCE** of PROVIDERS, or any other person or cause.

I further agree to defend and indemnify PROVIDERS for any loss or damage, including any that results from claims or lawsuits for personal injury, death, and property loss and damage related in any way to the use of this equipment.

This agreement is governed by the applicable law of this state or province. If any provision of this agreement is determined to be unenforceable, all other provisions shall be given full force and effect.

I, THE UNDERSIGNED, HAVE READ AND UNDERSTAND THIS LIABILITY RELEASE AGREEMENT.

User's Signature: _____

Date: _____

Parent/Guardian/Agent: I verify that I am the parent, guardian or agent of the equipment user; I have the authority to enter into this agreement on behalf of the equipment user; and I agree to be bound by the terms and conditions of this agreement.

Parent/Guardian/Agent's Signature: _____

Date: _____

NOTE

*U.S. form shown.

REFERENCE

Page #	Section Name
20	Skier Instruction & Warning

PARTS

Reference #	Item Name
B10059	(U.S. only) Workshop Form
B10008	(Can. Bilingual) Workshop Form
B10009	(Can. English) Workshop Form

RENTAL & DEMO BINDING SYSTEMS

Proper procedures for a Salomon Certified Technician to follow while mounting and adjusting Salomon Rental and Demo bindings.



PREPARATION

For general Preparation Instructions, please refer to **page 6**.

All rental skis must have an Identification Number and a method to record maintenance and testing information (e.g., Salomon sample **Ski/Binding Maintenance Record** and **Boot Maintenance Record**).

Boot-to-Binding Compatibility

Bindings are designed to be used with specific norm boot soles, i.e., junior norm boot soles with junior bindings and adult norm boot soles with adult bindings. Under no circumstances should a junior boot be used with

an adult binding. The C305 and S305 are designed for use with junior norm boot soles and smaller adult norm boot soles.

Jig Selection

Two jigs are needed to mount current model Salomon rental bindings. The jigs can be used for both Synchro and non Synchro Systems. Please refer to the **Rental Jig Selection Chart** (right) for the reference numbers.

See **page 25** for **Synchro pre-set requirements**. Contact your

customer service representative for additional jigs to mount older models of Salomon rental bindings.

See **Jig Selection & Use** on **page 8** for more information.

Rental Jig Selection Chart

Models	Din Scale	Jig Ref. #		Boot Sole Range (mm)	Synchro Pre-Sets Required
		Ski width 56 - 99 mm	Wide skis 80 - 123 mm		
Z12 Ti SC	4 to 12	Jig Ref. # 001003	Jig Ref. # 001040	260 - 382	Toe height & Toe wings
Z12 SC	4 to 12			260 - 382	Toe height & Toe wings
Z10 Ti SC	3 to 10			260 - 382	
710 SC	3 to 10			260 - 382	
609 SC	2.5 to 9			260 - 382	
609 SR	2.5 to 9			230 - 308	
608 SC	2 to 7.5			260 - 382	
607 SR	2 to 7			230 - 308	
305 SC	0.75 to 4.5			216 - 304	
305 SR	0.75 to 4.5			190 - 246	

PARTS

Reference #	Item Name
001156	Adult Retail Jig
001003	Rental Jig
001040	Rental Jig Wide Skis
78313301	Extralight Jig

REFERENCE

Page #	Section Name
7	Boot-to-Binding Compatibility
8	Jig Selection & Use
9	Drilling, Tapping & Glue
25	Rental Visual & Mechanical Inspections
28	Maintenance Records

INSTALLATION

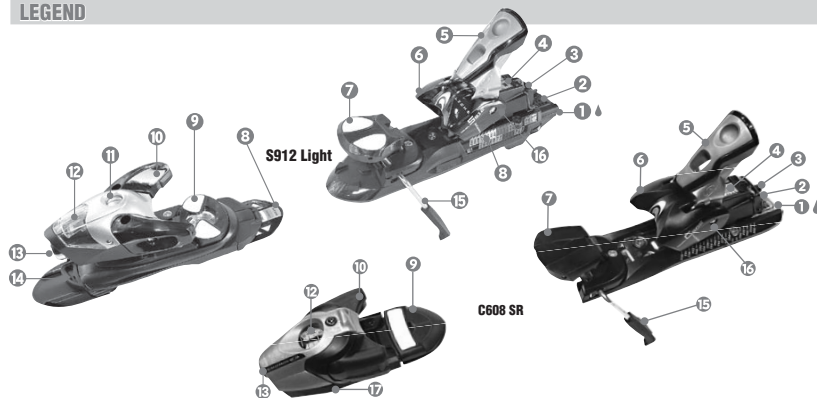
The Salomon Synchro System is designed to simplify rental operations. The system eliminates the need to place a boot in the binding to make adjustments, resulting in increased overall efficiency. It is possible to reduce the amount of time spent on adjusting each system by up to 40%.

Setup efforts of the system are minimal, since the only extra step for Synchro setup is the placement of Synchro Sizing Stickers on all boots. Models released since 2004-2005 no longer even require sizing stickers – the boot sole length (in mm) is used instead.

There are two basic types of Synchro System bindings: SC and SR. While both have a moveable heel piece, only the SC (Synchro Center) models have a moveable toe, allowing both the toe and heel piece to be adjusted to “center” the boot.

To set up the Synchro Systems, you will need: Salomon rental bindings with Synchro Heel Guides and the parts listed below

LEGEND



PARTS

Reference #	Item Name
001156	Adult Retail Jig
001003	Rental Jig
001191	Wide Sizes Rental Sticker
006017	SC Synchro Sizing Stickers
006016	SR Synchro Sizing Stickers
001189	Salomon Boot Sole Measuring Device
000902	Rental Adjustment Tool

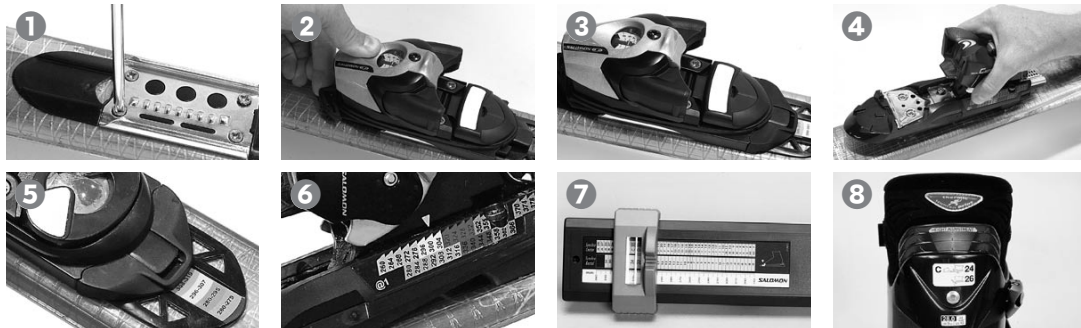
- 1 Heel Track
- 2 Adjustment Loop
- 3 Adjustment Screw
- 4 Visual Indicator
- 5 Heel Lever
- 6 Heel Cup
- 7 Brake Pedal
- 8 Adjustment Range Indicators
- 9 Spheric Pedal/AFD
- 10 Toe Cup
- 11 Toe Height Adjustment Screw
- 12 Visual Indicator
- 13 Adjustment Screw
- 14 Toe Length Adjustment Screw
- 15 Brake Arm
- 16 Heel Housing
- 17 Baseplate
- ⬇ Lubrication Point*

* Use Salomon grease (Ref. #000905) on track.

INSTALLATION > Salomon Synchro System & e²™ Ski/Boot/Binding System

STEP 2

Salomon Synchro System



SR Models (non-moveable toe) are mounted using the Retail procedures.

Non-Synchro System Follow Synchro System procedures, omitting measurement of boots and affixing Synchro Stickers.

SC Models (moveable toe) are mounted using the procedures described below.

First, set the jig to the proper position. It is imperative that the jig be set correctly and all bindings be mounted at the correct position. For consistent mounting, drill the jig and pin it in the correct position.

Next, place the jig properly on the ski, drill the ski and remove any shavings. Place a drop of glue into the drilled holes. On SC (moveable toe) model bindings, mount the toe plate securely with the four screws provided **Fig. 1**. Move the adjustment lever on the front of the toe to the left and continue to slide the toe onto the plate **Fig. 2**.

Slide the central plate onto the toe piece, **Fig. 3** then position the heel over the central plate and holes, **Fig. 4** and tighten using a criss-cross pattern.

2004/2005 and later Synchro Center Systems use color-coded adjustment range indicators.

Simply read the boot sole length in mm's (stamped on the side of the boot sole) and move the toe to the corresponding mm length range position **Fig. 5**. Each range is individually color coded.

Then move the heel to the correct color coded mm length mark shown on the heel track cover **Fig. 6**.

Color coding makes it easier to read. For example: when the toe is positioned in the yellow (296 – 307 mm)

range, look for the matching yellow rectangles (296 mm, 304 mm, 307 mm) on the heel track cover.

Pre-2004 Synchro Systems

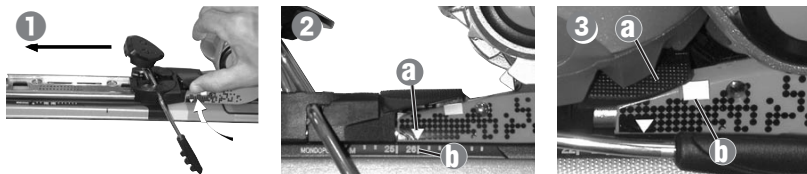
Older Synchro systems require the use of Synchro Sizing Stickers which give an alpha-numeric code for each boot size. Measure all boots in inventory with the Salomon Boot Sole Measuring Device (Ref. #001189)

Fig. 7 and affix the appropriate Synchro Sizing Sticker to each boot (excluding short mounted Spheric Propulse models) **Fig. 8**.

e²™ Ski/Boot/Binding System



Mounting e²™ Components on Snowtip Skis



Snowtip skis are delivered pre-drilled with the heel track pre-mounted.

Mounting the toe piece

Same procedure as the **Retail Toe Piece** (Quadrax) (page 10).

Mounting the heel piece

Remove the protective part from the track.

Put the heel piece on the track from the rear.

Lift the adjustment lever **Fig. 1** and move the heel piece forward until the white arrow (left side of the arch) is aligned with a Mondopoint graduation.

Adjust the length according to the boot.

Length adjustment

Align the base of the side arrow **Fig. 2a** with the Mondopoint length that corresponds to the length marked on the boot **Fig. 2b**.

Checking the forward pressure

Put the boot in the binding.

Check the forward pressure.

e²™ BOOTS:

- Thermic Fit liner, Sanitized lining & sole (Rental)
- Step-in strap
- Oversize Sensifit

e²™ BINDINGS:

- Spheric
- Vertical progressive pivot
- Automatic wing adjustment

The back side of the adjustment lever **Fig. 3a** must be within the white rectangle **Fig. 3b** located on the left side of the heel.

If the back side of the adjustment lever **Fig. 3a** is not in this zone, move the heel piece forward or backward to obtain the proper adjustment.

BINDING-TO-BOOT ADJUSTMENTS

Adjusting

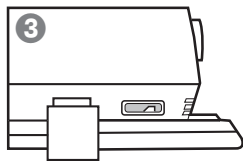
Toe Position



the toe locks firmly in place. For S850 and other non-current SC models, push the toe back, depress the button on the left side of the toe, and slide the toe into position. **Fig. 1** The toe locks into place automatically. The adjustment is correct when the mid-sole mark on the ski is aligned with the mid-sole mark on the boot.

Synchro Center Models. Move the button on the front of the toe to the left, and slide the toe to the Synchro position indicated. Ensure

Heel Position / Forward Pressure



Finger Adjustment Models. Lift the adjustment loop at the back of the heel and slide the heel forward to the Synchro position indicated or until the binding heel cup contacts the boot heel.

Fig. 2 Release the loop, push the

boot down and check the forward pressure indicator. The silver tab should be visible in the housing window. **Fig. 3** (It is not necessary to put the boot in the binding for Synchro applications.)

Toe Height

Automatic Models. Sport/Quadrax toes have automatic toe height adjustment.

Micrometric Models. Raise the toe by turning the adjustment screw, located on top of the toe piece counterclockwise. Pull the boot back and continue to

turn the adjustment screw counterclockwise until you see light between the boot sole and the binding AFD. Turn the screw clockwise until the gap is no more than 0.5 mm or preset for Synchro systems using a preset toe height.*

Toe Cup Width

Automatic Wing Adjustment Models. Same as retail counterparts (see **page 14**).

Independent Wing Adjustment Models. Same as retail counterparts (see **page 14**) or preset for Synchro systems using a preset toe width.*

Simultaneous Wing Adjustment Models. Same as retail counterparts (see **page 14**) or preset for Synchro systems using a preset toe width.*

NOTE

* **Synchro Presets.** Micrometric toe heights, independent and simultaneous wing adjustments can be preset using a **Standard Norm Boot Sole (page 53)** for Synchro applications. A dab of silicone caulk can then be put into the slot of the adjustment screws to prevent tampering.

REFERENCE

Page #	Section Name
12	Pilot System Mounting & Adjustment
15	Release Value Selection & Adjustment
26	Pre-Season Inspections

RELEASE VALUE SELECTION & ADJUSTMENT

2006/2007 Salomon Adjustment Chart

All current Salomon rental bindings must be adjusted according to the **2006/2007 Salomon Adjustment Chart**. This is the only release adjustment chart authorized for Salomon bindings during the 2006/2007 season. For a detailed description of the charts and procedures recommended by Salomon, please refer to **pages 15 & 16** of this Manual.

RENTAL VISUAL & MECHANICAL INSPECTION

Rental Testing Overview

The mechanical inspections discussed in this section are required of U.S. dealers and are **strongly recommended** for Canadian dealers, both in the interest of consumer protection and as a sound risk-management strategy. Maintenance records must be kept for all bindings and boots in inventory for both pre-season and in-season inspections. Only Pass/Fail results should be recorded. If bindings are switched from one pair of skis to another, this should be noted on the records. To receive indemnification from Salomon, maintenance records must be kept on file for five years or the statute of limitations in your state or province, whichever is longer.

Pre-Season Boot/Binding:

- Visually inspect and clean all boots and bindings in inventory.
- Test all bindings with a mechanical testing device using selected reference boots.
- Test a sample of boots with a mechanical testing device using selected reference bindings.
- Records all tests on the individual boot or ski/binding inventory logs as "Pass" or "Fail".

In-Season Binding:

- Random sampling inspection (including mechanical testing) must be preformed at specified intervals.
- Sample size is dictated by the amount of equipment actually used.
- Half of sample is from actual systems used (ski/boot/binding system not readjusted and half of sample is from inventory (may be readjusted).
- Test all sample units and classify each result as "Pass" "Class I", "Class II", or "Troubleshooting".
- Determine the schedule for further testing (and corrective action if necessary.)
- Record all test results as "Pass" or "Fail".

RENTAL VISUAL & MECHANICAL INSPECTION > (continued)

Rental Pre-Season Inspections

Pre-Season Binding Inspections

The purpose of pre-season rental inspections is to ensure that all components are functioning properly. Start by pre-selecting several samples representative of your rental boot inventory. These samples must pass all visual inspections (see **Final Checking & Visual Inspection, page 17**) and should be clean.

Select any setting in the mid-range of the visual indicator scale of the bindings and any appropriate boot sole length as shown on the 2006/2007 Salomon Adjustment Chart and make all appropriate binding to boot adjustments according to the Chart. If there are any preset or Synchro binding adjustments, verify their accuracy. All used bindings should be cleaned and lubricated before performing the following inspections:

- **Test for Lateral Elastic Travel and Return.**
- **Test for Vertical Elastic Travel and Return.**
- **Verification That Release Values are Within Specified Range.**

Note: Any binding component that tests outside the "Inspection Range" should be inspected and re-tested. If the new results are still outside the "Inspection Range," but within the "In-Use Range," a correction factor* must be applied to bring the mechanical test results within the "Inspection Range."

For any binding component that tests outside of the "In-use Range" refer to **Troubleshooting**.

Pre-Season Boot Inspections

Pre-season boot inspections verify that boots in inventory can be used interchangeably with all appropriate bindings. Visually inspect all boots for compatibility and interchangeability according to criteria listed on **Preparation & Installation**. Correct any boot compatibility defect(s) that are found. If the defect cannot be corrected, the boot must be removed from inventory.

Used Boots

A random sample of 5% (not less than 16 nor more than 80 units) of inventory must be tested according to the following procedures. The sample should include one boot typical of each boot cell (a boot cell is defined as all boots of the same make, model, year of manufacture and sole length).

- Select two skis with bindings of the same model.
- Adjust both bindings to release at their mid-range "Reference Value" of the appropriate "Visual Indicator Setting" using a mechanical testing device with a typical boot in good condition of the appropriate Sample Boot Sole Length.
- Clean both bindings with mild dish washing soap and water at all boot interface (contact) points and wipe them dry.
- Label one binding "clean."
- Apply a thin film of mild dish washing soap to all boot interface points of the other binding and label it "lubricated."
- Using a mechanical testing device, measure and record the **Twist Test** result (clockwise or counterclockwise) in one direction only and the **Forward Lean Test** result of the random sample boot in the "clean" binding.
- Measure and record the **Twist Test** result in both directions and the **Forward Lean Test** result of the random sample boot in the "lubricated" binding.
- The test results of the lubricated test must be within the "Inspection Range" for the appropriate setting.
- The test results for the clean test must be within the "Clean 25%" range for the appropriate setting.

- If either the clean or lubricated test results fall outside the acceptable ranges, re-inspect the boot, correct the defect, and re-test the boot. Remove from inventory any boot that does not pass both tests. Re-inspect, repair (if necessary) and test all suspect boots of the affected cell.

New or Unused Boots

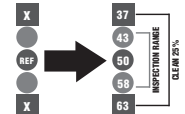
A single unit random sample typical of each boot cell (boots of the same make, model, year of manufacture and sole length) must be tested according to procedures used for testing in the **Used Boots** section.

Pre-Season Boot Inspection Examples

The maximum and minimum "Clean 25%" values shown on this table are calculated by adding or subtracting 25% of the Reference Value to or from the Reference Value. Example: Reference Value (Twist) 50 (shown on right).

$50 \times 25\% = 12.5$ (rounded to 13).
Maximum "Clean 25%" is $50+13 = 63$.
Minimum "Clean 25%" is $50-13 = 37$.

Sample Inspection Ranges



Sample Boot Sole	Binding Type	Visual Indicator	Twist (toe)	Forward Lean
271-290 mm	Adult	6	37	145
			43	165
			50	184
			58	229
			63	243
271-290 mm	Junior	4	28	106
			31	120
			37	141
			43	165
			46	176
271-290 mm	Jr. & Child	3	23	90
			27	102
			31	120
			37	141
			39	150
< 250 mm	Child	2.25	14	52
			17	64
			20	75
			23	87
			27	102

NOTE

* A **correction factor** is determined by adjusting the binding component's visual indicator scale at half-setting intervals to bring the binding component's test result to within the "Inspection Range." This correction factor must then be placed on the ski next to the affected binding component (toe/heel) and recorded in your ski/binding maintenance records.

REFERENCE

Page #	Section Name
53	Standard Boot Sole Dimensions
17	Final Checking
17	Test for Elastic Travel & Return
18	Release Value Within Specified Range
19	Troubleshooting

RENTAL VISUAL & MECHANICAL INSPECTION > (continued)

Rental In-Season Inspections

In-season inspections must be performed on random samples of rental inventory during the season to ensure equipment is functioning properly. Any sampling program that gives every unit of inventory an equal chance of being selected is valid. The purpose of random sampling is to detect, correct and prevent deficiencies. Deficiencies (deviations) fall into the following categories:

Deviations - Class I

Class 1 Deviations in torque test results are results that are outside the Inspection Range but within the In-Use Range. These are minor deviations requiring no corrective action unless these deviations exceed an acceptable number of the sample tested. Please refer to the "Sample Sizes" chart for the definitions of these limits. Minor deviations in excess of the allowable limit cause the sample to fail and the entire appropriate inventory must be checked. Class 1 torque deviations should then be corrected using a **Correction Factor** as explained in the note on [page 26](#). Other Class 1 Deviations such as

- failed test for elastic travel
- improper ski brake operation
- poor boot to binding contact
- incorrect forward pressure

should all be corrected as they are discovered. However, do not prompt an inspection of the entire inventory unless these deviations exceed an acceptable number per sample size, causing the sample to fail.

By quickly identifying Class I Deviations, this random sampling method can prevent more serious defects from occurring.

Deviations - Class II

Class II Deviations are minor deviations that prompt inspection of the entire inventory and corrective action. Class II Deviations are torque results that fall outside the "In-Use" range but not more than 3 horizontal rows up or down from the reference torque value. Whenever a Class II Deviation is detected, the source of the defect must be determined and all the appropriate inventory must be checked for the defect. Defects must be corrected according to Troubleshooting or the affected product(s) must be removed from inventory. Detection of a Class II Deviation causes the sample to fail.

Deviations - Class III

Class III Deviations are major deviations that prompt corrective action and a review of all procedures. Class III Deviations are torque results that are more than 3 horizontal rows up or down from the

reference torque value. In-season sampling and inspection render occurrence of a Class III Deviation unlikely. Should a Class III Deviation be detected, all defects must be corrected or the affected product(s) must be removed from inventory. Detection of a Class III Deviation causes the sample to fail.

- Sampling then continues normally, i.e., after every 7 days, after every 14 days, etc.

Sample Criteria

An equal number of units (single ski/binding) must come from units that are "ready to rent" and units that are in "returned condition."

- Ready to rent units may be tested at any visual indicator setting and boot.
- Returned condition units must be tested at the visual indicator setting and boot they are returned with and in the condition as returned.

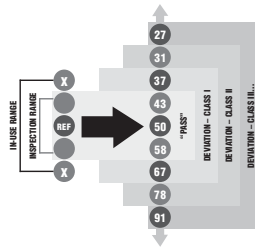
Sample Size

Sample size is 5% of inventory but not less than 16 nor more than 80 units. Sample size is based on average daily output if rental output drops below 50% of capacity over the sampling period. See **Sample Sizes** chart.

Procedures & Recording

Samples are inspected according to procedures used for pre-season binding inspections, however the twist test only needs to be performed in one direction (clockwise or counterclockwise).

Pass/Fail records of all inspections should be recorded for the individual Ski/Binding.



Sample Frequency

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

- Sampling is conducted after 7 days of operation.
- If the sample passes, the next sampling is taken after another 7 days of operation.
- If two consecutive samples pass, sampling frequency is every 14 days.
- If a sample fails at any time, daily sampling is instituted until two consecutive samples pass.

Sample Sizes

Inventory Size (Pairs)	Sample Size (Units)	Maximum Class 1 Deviations (Units)
100	16	3
200	20	4
300	30	6
400	40	8
500	50	10
600	60	12
700	70	14
800	80	16
2000	80	16

Demo Inspections > Incomplete Systems

Skis

Bindings intended for demo applications, where customers supply their own boots, must be inspected using the procedures described for rental equipment. Whenever a demo or rental binding is used with a customer's own boot, inspect the customer's boot for **Boot/Binding Compatibility** as described on [page 17](#). Reject any boots that fail visual inspection. Both

boots of the pair must be inspected and the boot sole lengths of both boots verified.

Boots

Whenever customers rent boots for use with their own skis, the customer's binding system must be mechanically inspected (using the rental boot) according to procedures described for retail equipment.

REFERENCE




Page #	Section Name
17	Final Checking
17	Test for Elastic Travel & Return
18	Release Value Within Specified Range
19	Troubleshooting

RENTAL VISUAL & MECHANICAL INSPECTION > (continued)

Maintenance Records

SKI/BINDING Maintenance Record




Inventory #: Ski Serial #: Binding Model:

Date of Service/Inspection	Repairs/Service Performed	Visual Inspection	Correction Factors				Left Ski		Right Ski		Technician's Initials
			Left		Right		Twist		Twist		
			Toe	Heel	Toe	Heel			Forward Lean		

Legend: Clockwise  Counter-clockwise 

BOOT Maintenance Record

Inventory #: Boot Model: Sole Length:

Date of Service/Inspection	Norm Compatible Interchangeable	All Adjustments/Parts Functions	Repairs/Service Performed	Clean Test		Lubricated Test		Technician's Initials
				Twist		Twist		
						Forward Lean		

Legend: Clockwise  Counter-clockwise 

STEP 5
STEP 6

SKIER INSTRUCTION, WARNING & RECORD KEEPING

Rental Skier Instrucion & Warning

It is the Dealer's responsibility to adequately assist each rental customer in equipment selection and to properly fit rental boots. Instructions regarding proper use of equipment must also be given at the time rental equipment is provided.

When the Certified Technician signs or initials the Rental Form, the technician is attesting that all functional and instructional procedures have been completed. To reduce your shop's liability risk and to receive indemnification from Salomon, you must take the following steps when the skier receives their equipment. (The individual picking up the equipment must be the intended user, or in the case of a minor, the user's parent or guardian.)

1. Show how to step into the binding.
2. Show how to step out of the binding.
3. Point out the visual indicator settings on the binding's toe and heel pieces. The skier must verify that these settings agree with the settings recorded on the Rental Form.
4. Ask the skier to read the Liability Release Agreement. Point out that the skier is signing a release that limits liability. Included in this Liability Release Agreement is the specific warning that bindings will not release under all circumstances where release may prevent injury or death, nor is it possible to predict every situation in which they will release, and are, therefore, no guarantee of safety.
5. The skier must understand that there are inherent and other risks in the sport of skiing.

6. The skier* must then sign and date the Rental Form.
7. The skier must be given a copy of the rental form that includes a signed copy of the Liability Release Agreement.

Rental Record Keeping

Proper rental record keeping is key to your shop's risk management program. Without a properly filled out form, including a signed Liability Release Agreement, indemnification from Salomon will not apply.

A Rental Form must be filled out for each rental transaction (exchange of equipment is considered to be a transaction). A Liability Release Agreement the same as or the equivalent to the Salomon Liability Release Agreement must be included on the Rental Form. The skier must read, understand, sign and date this release. A copy of the properly filled out Rental Form must be kept on file for five years or the statute of limitations of the state or province, whichever is longer. Multiple skier forms that allow each skier to read and sign the same form may be used if the form meets the requirements outlined in this section. It is recommended that the form be reviewed by Salomon's Legal department prior to use. The person who signs the rental form must be the skier who is going to use the rental equipment. In the case of a minor skier, the signature on the form must be that of the skier's parent or legal guardian.

The following is a list of information that should be recorded for every rental transaction. It is not necessary to use a Salomon Rental Form, but any form that the shop uses must include the information* listed below. Without this information*, indemnification will not apply.

1. *Rental dates.
2. *Name and home address of the skier.
3. Skier's home phone number.
4. Skier's identification.
5. *Skier's height, weight, age, and skier type.
6. *Boots' inventory number. (If the skier is using their own boots, the boot brand, model and sole length must be indicated on the Rental Form and the boot must pass visual examination.)
7. *Skis' inventory number. (If the skier is using their own skis, the system would fall under Retail guidelines and a complete system inspection, including a mechanical inspection, must be performed and documented on a Workshop Form.)
8. *Visual Indicator Settings.
9. *Salomon Certified Technician's signature or initials attesting that all required procedures have been completed.
10. Rental fee.
11. *Liability Release Agreement that is either the same as, or the substantial equivalent of, the Salomon release. Consult your shop's legal advisor to be sure the language and type size of this agreement conforms to state or provincial law. If a form other than the Salomon form is used, the language shall accomplish the same purpose and have the same legal effect as the language contained in the Salomon agreement.

12. *Skier's signature (in the case of a minor skier, the signature on the form must be that of the skier's parent or legal guardian) and date attesting that the skier:
 - a. Has been instructed in the proper use of the equipment.
 - b. Has verified that the visual indicator settings correspond to the recorded visual indicator settings.
 - c. Has read and understands the Rental and Liability Release Agreement on the rental form, releasing the shop from liability.

NOTE


* On the 2006/2007 Salomon Rental Form, the skier (or in the case of a minor, the skier's parent or legal guardian) must sign and date the Liability Release Agreement.

REFERENCE

Page #	Section Name
30	Salomon Rental Form
17	Final Checking & System Inspection
30	Equipment Rental & Liability Release Agreement
31	Post Accident Ski Equipment Inspection Report

SKIER INSTRUCTION, WARNING & RECORD KEEPING

Salomon Rental Form*



Date Out: _____ Date Due: _____

Total Rental Days: _____

Name: Last _____ First _____ M.I. _____

Street _____


City _____ State _____ Zip _____

Phone # _____

Driver's Lic.# _____ State _____ Local Accommodations _____

Your Weight _____ Lbs. Your Height _____ ft. _____ in. Age _____

Downhill Skiing
Indicate skier type



Snowboard

Stance: (check one)

Regular Goofy

Acknowledgement of Personal Information & Equipment Instructions

I have accurately represented the above listed information and it is true and correct. I will not use any of the equipment to be provided to me during this transaction until I have received instruction on its use and function. I agree to verify that the visual indicator settings to be recorded on this form for downhill ski equipment, and snowboards equipped with release bindings, agree with the number appearing in the visual indicator windows of the equipment to be listed on this form.

Equipment User's Signature: _____ Parent/Guardian Signature (if required): _____

Boot I.D.# _____ Sole Length & Synchro # (Downhill Skiing): _____ / _____

Ski/Board I.D.# _____ Pole Code: _____

Visual Indicator Settings		Requested Settings		Equipment Subtotal: \$ _____
L Toe	R Toe	L Toe	R Toe	
_____	_____	_____	_____	Equipment Damage Protection: \$ _____
_____	_____	_____	_____	

Technician's Signature: _____

EQUIPMENT RENTAL & LIABILITY RELEASE AGREEMENT

I accept for use **AS IS** the equipment listed on this form, and accept full financial responsibility for the care of the equipment while it is in my possession. I will be responsible for the replacement at full value of any equipment rented under this form, but not returned to the rental facility. I agree to return all rental equipment by the agreed date.

I understand that the binding system cannot guarantee the user's safety. In downhill skiing, and snowboarding with snowboards equipped with release bindings, the binding system will not release at all times or under all circumstances where release may prevent injury or death, nor is it possible to predict every situation in which it will release. In snowboarding, cross-country skiing, snowboarding with snowboards equipped with non-release bindings, snowshoeing and other sports utilizing equipment with non-release bindings, the binding system will not ordinarily release during use; these bindings are not designed to release as a result of forces generated during ordinary operation.

I understand that the sports of skiing, snowboarding, snowshoeing and other sports (collectively "RECREATIONAL SNOW SPORTS") involve inherent and other risks of **INJURY** and **DEATH**. I **voluntarily agree to expressly assume all risks of injury or death** that may result from these RECREATIONAL SNOW SPORTS, or which relate in any way to the use of this equipment.

I understand that a helmet designed for RECREATIONAL SNOW SPORTS use will help reduce the risk of some types of injuries to the user at slower speeds. I recognize that serious injury or death can result from both low and high energy impacts, even when a helmet is worn.

I AGREE TO RELEASE AND HOLD HARMLESS the equipment rental facility, its employees, owners, affiliates, agents, officers, directors, and the equipment manufacturers and distributors and their successors in interest (collectively "PROVIDERS"), from all liability for injury, death, property loss and damage which results from the equipment user's participation in the RECREATIONAL SNOW SPORTS for which the equipment is provided, or which is related in any way to the use of this equipment, including all liability which results from the NEGLIGENCE of PROVIDERS, or any other person or cause.

I further agree to defend and indemnify PROVIDERS for any loss or damage, including any that results from claims or lawsuits for personal injury, death, and property loss and damage related in any way to the use of this equipment.

This agreement is governed by the applicable law of this state or province. If any provision of this agreement is determined to be unenforceable, all other provisions shall be given full force and effect.

I THE UNDERSIGNED, HAVE READ AND UNDERSTAND THIS EQUIPMENT RENTAL & LIABILITY RELEASE AGREEMENT.

User's Signature: _____ Date: _____

Parent/Guardian: If equipment user is a minor, I verify that I have the authority to enter into this agreement on behalf of the equipment user and I agree to be bound by all terms and conditions of this agreement.

Parent/Guardian's Signature: _____ Date: _____

NOTE

* U.S. form shown. The Canadian equivalent to this form has bilingual content.

REFERENCE

Page #	Section Name
29	Rental Skier Instruction & Warning

PARTS

Reference #	Item Name
B10069	(U.S.) Salomon Rental Form
B10019	(CAN) Salomon Rental Form

SKIER INSTRUCTION, WARNING & RECORD KEEPING

Post Accident Ski Equipment Inspection Report Form

A Post Accident Ski Equipment Inspection Report Form the same as or equivalent to the form provided must be filled out if a person returns the equipment, whether the equipment is theirs or belongs to someone else, and claims that they or someone else were injured. The report must be completed with “as is” mechanical inspection measured release values. An insufficient or improperly completed form may cause denial of indemnification.

Inspection Report Instructions

General Information

- All information should be printed clearly.
- Any mistakes should be corrected and initialed.
- If information is unknown, mark UNK in the appropriate area.
- If information does not apply, mark N/A in the appropriate area.

Ski Information Section

- Skier information should be taken from the rental or workshop form.
- Accident/injury information should be taken from the ski patrol accident report (if available).

Equipment Information Section

- Information should be taken from the visual inspection of equipment.

Equipment Inspection/Tests Section

- Refer to the most current Shop Practices Manual for Standard Boot Sole information.
- Equipment inspections should be conducted on the equipment “as is”.
- Inspection of binding adjustments should be in accordance with recommendations set forth in the most current Shop Practices Manual.
- System visual inspections should be in accordance with recommendations set forth in the most current Shop Practices Manual.
- Mechanical inspection tests should be conducted at room temperature.
- The mechanical testing device should be properly calibrated and operated in the manner recommended by the device manufacturer.
- Mechanical tests should be conducted on the equipment “as is”.
- Test results should be recorded in Newton meters.

Facility/Personnel/Testing Device Section

- The “Inspection Technician” should be a current Salomon Certified Technician.
- The report should be reviewed by the shop manager.

Post Accident Ski Equipment Inspection Report

Workshop/Rental Form No. _____

Ski Information

NAME				ACCIDENT DATE	
HEIGHT	WEIGHT	AGE	SEX (circle one) M F	SKIER TYPE (circle one) 1 2 3 -1 3+	
INJURY					
RIGHT OR LEFT (circle one)			SKI AREA		
R L					

Equipment Information

SKI MAKE	MODEL	LENGTH
SERIAL No.	RENTAL I.D. No. (if applicable)	
BOOT MAKE	MODEL	SIZE
BOOT SOLE LENGTH in mm	RENTAL I.D. No. (if applicable)	
BINDING MAKE	MODEL	
TOE VISUAL INDICATOR (DIN) SCALE to	HEEL VISUAL INDICATOR (DIN) SCALE to	
RENTAL FORWARD PRESSURE (SYNCHRO) SETTING(S):		

Equipment Inspection/Tests

Right Ski/Binding/Boot

N/A	YES	NO	(check one)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Boot sole within Industry Norm Standards
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	All boot parts present, working correctly
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	AFD OK and intact
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forward Pressure correct
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Toe Height correct
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Toe Wings set correctly
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Brake fully functional
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ski damaged (bent etc.)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	System passes visual inspections
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rental heel forward pressure setting correct

Left Ski/Binding/Boot

N/A	YES	NO	(check one)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Boot sole within Industry Norm Standards
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	All boot parts present, working correctly
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	AFD OK and intact
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forward Pressure correct
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Toe Height correct
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Toe Wings set correctly
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Brake fully functional
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ski damaged (bent etc.)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	System passes visual inspections
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rental heel forward pressure setting correct

VISUAL INDICATOR SETTINGS

Toe: _____ Heel: _____

CLOCKWISE TWIST MEASURED RELEASE VALUES*

I	II	III
---	----	-----

COUNTERCLOCKWISE TWIST MEASURED RELEASE VALUES*

I	II	III
---	----	-----

FORWARD LEAN MEASURED RELEASE VALUES*

I	II	III
---	----	-----

VISUAL INDICATOR SETTINGS

Toe: _____ Heel: _____

CLOCKWISE TWIST MEASURED RELEASE VALUES*

I	II	III
---	----	-----

COUNTERCLOCKWISE TWIST MEASURED RELEASE VALUES*

I	II	III
---	----	-----

FORWARD LEAN MEASURED RELEASE VALUES*

I	II	III
---	----	-----

* Record the number of results recommended by the manufacturer of the testing device. If not certain, record 3 values for each test.

Facility/Personnel/Testing Device

SHOP NAME	INSPECTION TECHNICIAN	DATE
REPORT REVIEWED BY	DATE	TESTING DEVICE BRAND
		MODEL

BINDING MAINTENANCE & REPAIR

All Salomon bindings have replaceable AFDs. Specific AFD item numbers can be found in the Salomon Spare Parts catalog and ordered by contacting your customer service representative.



MAINTENANCE & REPAIR

Any incorrect use of a Salomon part or accessory or installation of a non-compatible brand accessory with a Salomon system will automatically void both the warranty and indemnification for that system.

Retail & Rental Guidelines

Retail Guidelines

Salomon 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 30 skier days per season as follows:

- Inspect all components 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 high

pressure liquid cleaning systems to clean bindings.

- Apply Salomon Grease (Ref. #000905) or the equivalent to the lubrication points indicated for the appropriate 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 a Salomon 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 of each set for damage or excessive wear. Repair or replace damaged or excessively worn parts and/or components.
- Remove the heel by sliding the housing off the rear of the heel-track*.

- 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 high pressure liquid cleaning systems to clean bindings.

- Apply Salomon Grease (Ref. #000905) or the equivalent to the lubrication points indicated for each model. Do not use silicone or penetrating oils unless the lubricant is specifically approved.

- Replace the heel on the track.
- 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.

Screw Extractor/Repair Kit



Salomon offers a Screw Extractor/Repair Kit (Ref. #000878) to remove/replace broken binding mounting screws. The kit comes with two different length bits and a quantity of repair plugs. **Fig. 1** Repair plugs may be ordered separately.

Stripped Screw Holes

Follow instructions for the installation of repair plugs (below).

Broken Screw or Broken Tap Removal

When a screw or tap breaks in a ski, it must be removed to avoid further damage. It can be removed as follows:

Fit the extractor drill bit into the electric drill with the shoulder touching the chuck.

Position the appropriate jig onto the ski with the jig bushing directly over the broken screw or tap.

Drill slowly around the broken piece using an up-and-down movement to let the shavings escape. Use caution not to hit the broken piece.

Continue to drill until the chuck touches the bushings of the jig. This is the correct drilling depth of 10 mm.

Remove the broken piece inside the extractor bit with a pair of pliers.

Turn the ski over and hit the base lightly to remove all shavings.

Follow instructions for the installation of repair plugs (below).

Re-mount the binding.

Clean the extractor bit after each use.

Installation of repair plugs

The existing hole may need to be widened using an 8 mm diameter bit, however do not drill more than 10 mm deep.

Place a drop of glue onto the top of the hole.

Tap a repair plug into the hole with a hammer until it is flush with the topskin of the ski.

Cants > Acceptable Use

Salomon bindings should not be altered in any way except as explicitly outlined in this manual.

The use of cants with Salomon bindings is acceptable, provided:

- The cants are of a high grade material designed for this use.
- The cants are installed in a professional manner.
- Proper screw penetration into the ski meets current norms.
- The cants do not impede the binding's function as it was designed, including proper function of the brake.

PARTS

Reference #	Item Name
000905	Salomon Grease
000878	Screw Extractor/Repair Kit
000846	Repair Plugs

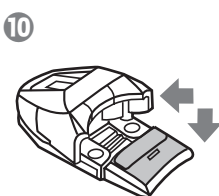
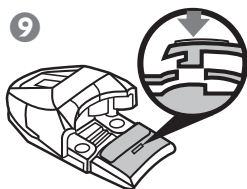
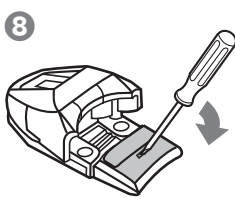
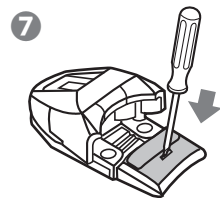
NOTE

* To remove heel pieces on tracks with heel locks, loosen the rear mounting screws at least three turns. Pull the heel piece backward while lifting it up over the heel lock. To replace the heel pieces, follow the removal procedure in reverse and tighten the rear mounting screws securely.

MAINTENANCE & REPAIR > (continued)

AFD/SCP Replacement

Quadrax Models – without Absorbers



1. Insert a screwdriver blade into the AFD removal slot located behind the Teflon pad. **Fig. 7** (There is no need to dismount the toe piece from the ski.)
2. Push the screwdriver handle forward and carefully pry back on the handle while pushing downward. **Fig. 8**
3. Remove the damaged AFD.
4. Place the new AFD on the binding, seating the two AFD seating tabs into the binding AFD tab seats. **Fig. 9**
5. Gently push downward and forward on the AFD until it snaps into place. **Fig. 10**

Quadrax Models – with Equalizer

1. Dismount the toe piece from the ski.
2. Remove the two rear mounting screws from the toe piece.
3. Remove the Equalizer (plate/spring/AFD) from the toe piece.
4. Pry the two AFD retention tabs on the underside of the Equalizer plate up slightly with a screwdriver and lift the AFD/T-plate and spring off the Equalizer plate.
5. Slide the damaged AFD off the T-plate.
6. Insert the tabs of the replacement AFD into the retention slots of the T-plate and slide tabs to the locked position.
7. Position the spring in the spring retention slot of the Equalizer plate.
8. Compress the spring with the AFD/T-plate assembly while positioning the assembly in place on the Equalizer plate and push it into its seated position.
9. Attach the toe piece to the Equalizer.
10. Remount the toe piece to the ski.

Quadrax Models – with Absorbers

1. Dismount the toe piece from the ski.
2. Remove the Absorber from the toe piece.
3. Follow steps 1-3 of **Quadrax Models – without Absorbers**.
4. Attach the Absorber to the toe piece.
5. Remount the toe piece to the ski.

Other Models

1. Dismount the toe piece from the interface or from the ski.
2. Remove the AFD from the toe piece baseplate.
3. Position the replacement AFD on the baseplate and press it into place.
4. Remount the toe piece.

Salomon Control Pedal Replacement

All Salomon bindings have replaceable SCPs. The specific SCP item numbers can be found in the **Salomon Spare Parts catalog**, though some SCP Reference Numbers are listed in the chart below.

Replacement procedures for SCPs are as follows.

SCP Reference Numbers

SCP Ref. N°	Binding / System
78830001	914 FIS 20 / 914
78830101	Z12 Ti, Z12, Z12 Ti SC, Z10 Ti Axe+, Z10 Ti, Z10 FIS 20, Z10 Ti SC, Z10, 710 Ti, 710 SC, 710, 710 ITF.
78829401	Smartrak Prolink +914
78829501	Smartrak Prolink & Smartrak Control+ Z12, Z10, 711
78829601	Smartrak Prolink & Smartrak Control+ Z12 Ti, Z10 Ti, 710 Ti

For Toes mounted on Interfaces and Skis (Smartrak Grip/Grip Plus, SC, and ITF)

1. Dismount the Toe piece from the Ski or The Interface by completely loosening the mounting screws.
2. Dismount manually the SCP on the Toe piece.
3. Take the new SCP and mount it manually under the Toe piece.
4. Tighten the Toe piece on the ski or the Interface (4Nm torque).

For Toes mounted on Smartrak Prolink/Control/Response

1. Put the Toe Piece out the Interface.
2. Dismount the Toe piece from the Set by completely loosening the mounting screws.
3. Dismount manually the SCP+Stirrup on the toe piece.
4. Take the new Set SCP+Stirrup and mount it manually under the Toe piece.
5. Tighten the Toe piece on the Stirrup (4Nm torque).
6. Remount the Toe piece on the Interface.

NOTE

For instructions on replacing the AFD on Spheric Performance and S710 Ti Spheric models, please refer to the **2005-2006 Salomon Shop Practices Manual**

CERTIFICATION PROGRAM

The technician who signs the Authorized Location's workshop or rental form for any transaction must be currently Salomon alpine binding certified



TECHNICIAN CERTIFICATION EXAM

2006/2007 Technician Certification Exam Questions

Do not write on this form. Indicate answers on the Registration Form.

A score of 90%, or 20 correct answers, must be obtained to pass. In addition, questions 3 to 7, 9, 11, and 13 to 17 are considered core questions and must be answered correctly.

1. **Salomon Technician Certification:**
 - a) Never has to be renewed.
 - b) Is valid whether or not the employer is a Salomon Authorized Alpine Binding Dealer.
 - c) Does not require that Certified Technicians be familiar with Salomon Bindings through hands-on experience.
 - d) Is valid for 2 years from the exam date and may be transferred between Salomon Authorized Alpine Binding Dealers.
2. **Indemnified Bindings are:**
 - a) The 2006/2007 models only.
 - b) Any Salomon binding still in use.
 - c) Those that appear on the 2006/2007 Schedule of Indemnified Bindings in the Salomon Shop Practices Manual.
 - d) Not something a technician needs to know about.
3. **A boot is considered incompatible with a Salomon binding if:**
 - a) It does not pass visual inspection.
 - b) There is more than a 1 mm difference in sole flatness across its width.
 - c) It does not conform to Standard Boot Sole Dimensions.
 - d) All of the above.
4. **Examples of Salomon bindings that may be used with both junior & adult boot sole norms are:**
 - a) C607 & C608
 - b) S910 T & S912 S
 - c) C305 & C305 SR
 - d) You can't use an adult norm sole with a Salomon junior binding.
5. **If the mid-sole indicator on a Salomon jig and the mid-sole indicator on a boot do not agree, you should:**
 - a) Use the mid-sole mark on the jig to position it on the ski.
 - b) Not install the binding.
 - c) Leave the boot in the jig and use the mid-sole mark on the boot to position the jig on the ski.
 - d) Position the jig by splitting the difference between the two marks.
6. **If there are no manufacturer's recommendations for drill bit selection you should:**
 - a) Drill the ski with the bit in your drill, you can't go wrong.
 - b) Drill one hole with a 3.6 mm bit and check for metal before switching to a 4.1 mm bit.
 - c) Always use a 4.1 mm bit, all mounting platforms contain metal.
 - d) Use a 3.6 mm bit, you can always increase the torque on the screw-shooter.
7. **When mounting bindings, Salomon's recommendation for tapping is:**
 - a) Always tap.
 - b) Never tap. It's too easy to damage the ski or break the tap.
 - c) Always tap unless the manufacturer cautions against it.
 - d) If you countersink the holes with the drill bit, there is no need to tap.
8. **Salomon binding glue:**
 - a) Lubricates the screws.
 - b) Compensates for stripped holes.
 - c) Creates a watertight seal.
 - d) Answers A & C.
9. **If the forward pressure indicators on the heel are not aligning properly you should:**
 - a) Ignore it if they are close.
 - b) Make sure (adjustable) toe wings and toe height are correct.
 - c) Remove the boot and move the heel forward or back to correct.
 - d) Answers B & C.
10. **When adjusting the toe height on Salomon Quadrax (Leisure) bindings, you should:**
 - a) Use a Salomon rental adjustment tool for the toe height screw.
 - b) Check your adjustment with a Salomon toe height card.
 - c) Answers A & B.
 - d) None of the above; toe height adjustment is automatic.
11. **When testing the toe for elastic travel and return, the boot should:**
 - a) Move slightly off center then release completely.
 - b) Move off center at least 5 mm and return to within 2 mm of its original position.
 - c) Elastic travel only occurs while skiing and cannot be tested in the shop.
 - d) None of the above.
12. **What is Skier Type?**
 - a) The degree of skill a skier possesses.
 - b) A person who enjoys skiing.
 - c) A classification system based on "cautious," "moderate," or "aggressive" skiing preferences.
 - d) Unnecessary information.
13. **A two year old is being fitted for his first pair of skis. He weighs 35 lb. What Skier Code would you use to help determine the visual indicator setting of his bindings?**
 - a) B
 - b) 3/4
 - c) A
 - d) -1
14. **A skier weighs 145 lb and measures 5'4" tall. She is a Type 1 skier who is 52 years old. What is her Skier Code on the Chart?**
 - a) J
 - b) I
 - c) H
 - d) K
15. **What should the initial visual indicator setting be for a 220-lb, 6'5", Type 3+ skier who is 25 years old and uses boots with a sole length of 310 mm?**
 - a) Not possible to determine.
 - b) 12
 - c) Ask the customer.
 - d) 11
16. **Skiers requesting personal settings higher or lower than are indicated by the 2006/2007 Salomon Adjustment Chart should:**
 - a) Be asked if they wish to identify themselves as Type 3+ or Type -1 and use the indicated settings.
 - b) Be instructed to adjust their bindings themselves.
 - c) Be given the settings they want provided they sign a Requested Setting Release Agreement.
 - d) Answer A or C.

TECHNICIAN CERTIFICATION EXAM > (continued)

2006/2007 Technician Certification Exam Questions (continued)

- 17. You are testing a used boot-binding system on a mechanical testing device. The Salomon binding has a visual indicator setting of 8 and the boot sole is 308 mm long. What is the In-use Range for twist?**
- 67 Newton meters
 - 58 to 78 Nm
 - 50 to 91 Nm
 - 67 to 91 Nm
- 18. A mechanical testing device:**
- Never needs re-calibration.
 - Gives consistent results even when it is operated incorrectly.
 - Requires properly trained technicians for consistent results.
 - Is only used in rental shops.
- 19. Mechanical inspections of rental equipment:**
- Are required pre-season .
 - Are required periodically in-season.
 - Ensure that all components are functioning properly.
 - All of the above.
- 20. Workshop or Rental Forms must:**
- Be used for every transaction.
 - Be kept on file for 5 years or for the statute of limitations.
 - Be signed by the customer and the Certified Technician.
 - All of the above.
- 21. When a skier picks up their equipment from your shop make sure:**
- They speak with the technician who did the installation/adjustment.
 - You only hand it over to the intended user.
 - Someone explains the use of the equipment to them and provides them with signed copies of the Workshop/Rental Form and Liability Release Agreement.
 - You wish them luck.
- 22. A Post Accident Ski Equipment Inspection Report form:**
- Is a critical tool in defending liability claims.
 - Is only necessary in the case of lower body injuries.
 - Must be completed each time an accident is reported.
 - Answers A and C.

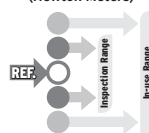
On-line Registration Instructions

Applying technicians must complete the 2006/2007 Salomon on-line certification registration and test. A score of at least 90% (20 correct answers) must be achieved to pass the exam. Applying technicians are not certified until a passing score is achieved.

- **U.S. dealers** will find the on-line certification registration and test at: <http://www.salomoncertification.com>
- For the U.S., a \$12 fee will be invoiced for each Registration and Exam submitted on line at www.salomoncertification.com
- The U.S. fee is \$18 for each Registration/Exam submitted by mail or fax to Salomon, or for technicians certified by any approved industry training program.
 Fax: (971) 234-7002
 Salomon Certification/Customer Service
 5055 North Greeley Ave.
 Portland, OR 97217
- **Canadian dealers** will find the on-line certification registration and test at: <http://www.salomonhookup.ca>

SALOMON

2006/2007 ADJUSTMENT CHART

Torque Range
 (Newton Meters)


Skier			Initial Toe/Heel Indicator by Boot Sole Length (mm)						Twist	Forward Lean	
Weight lb	Weight kg	Height ft-in/cm	Skier Code*	≤ 250 mm	251- 270 mm	271- 290 mm	291- 310 mm	311- 330 mm	≥ 331 mm	5	18
22-29	10-13		A	3/4	3/4					8	29
30-38	14-17		B	1	1	3/4				11	40
39-47	18-21		C	1 1/2	1 1/4	1				14	52
48-56	22-25		D	1 3/4	1 1/2	1 1/2	1 1/4			17	64
57-66	26-30		E	2 1/4	2	1 3/4	1 1/2	1 1/2		20	75
67-78	31-35		F	2 3/4	2 1/2	2 1/4	2	1 3/4	1 3/4	23	87
79-91	36-41		G	3 1/2	3	2 3/4	2 1/2	2 1/4	2	27	102
92-107	42-48	≤ 4'10" ≤ 148 cm	H		3 1/2	3	3	2 3/4	2 1/2	31	120
108-125	49-57	4'11"-5'1" 149-157 cm	I		4 1/2	4	3 1/2	3 1/2	3	37	141
126-147	58-66	5'2"-5'5" 158-166 cm	J		5 1/2	5	4 1/2	4	3 1/2	43	165
148-174	67-78	5'6"-5'10" 167-178 cm	K		6 1/2	6	5 1/2	5	4 1/2	50	194
175-209	79-94	5'11"-6'4" 179-194 cm	L		7 1/2	7	6 1/2	6	5 1/2	58	229
≥ 210	≥ 95	≥ 6'5" ≥ 195 cm	M			8 1/2	8	7	6 1/2	67	271
			N			10	9 1/2	8 1/2	8	78	320
			O			11 1/2	11	10	9 1/2	91	380
			P					12	11 1/2	105	452
										122	536
										142	640

* Based on "Type 1" Skier

TECHNICIAN CERTIFICATION ANSWER FORM

2006/2007 Technician Certification Answer Form

This form is for U.S. dealers only.

Get all your certification needs
at www.salomoncertification.com



Fees

On line certification test: \$12

Faxed or mailed test: \$18

Technician & Store Information

EXAM DATE

TECHNICIAN'S NAME (PRINT CLEARLY)

STORE ACCOUNT #

STORE NAME

SHOP PHONE #

STORE ADDRESS

Instructions

Please print clearly your information above and fax or mail your Certification Answers to (971) 234-7002.

A score of 90%, or 20 correct answers, must be obtained to pass.

In addition, questions 3 to 7, 9, 11, and 13 to 17 are considered core questions and must be answered correctly.

Please circle your answer for each question.

All answers must be clearly marked. Any partially circled answers could be marked incorrect.

Answer Section

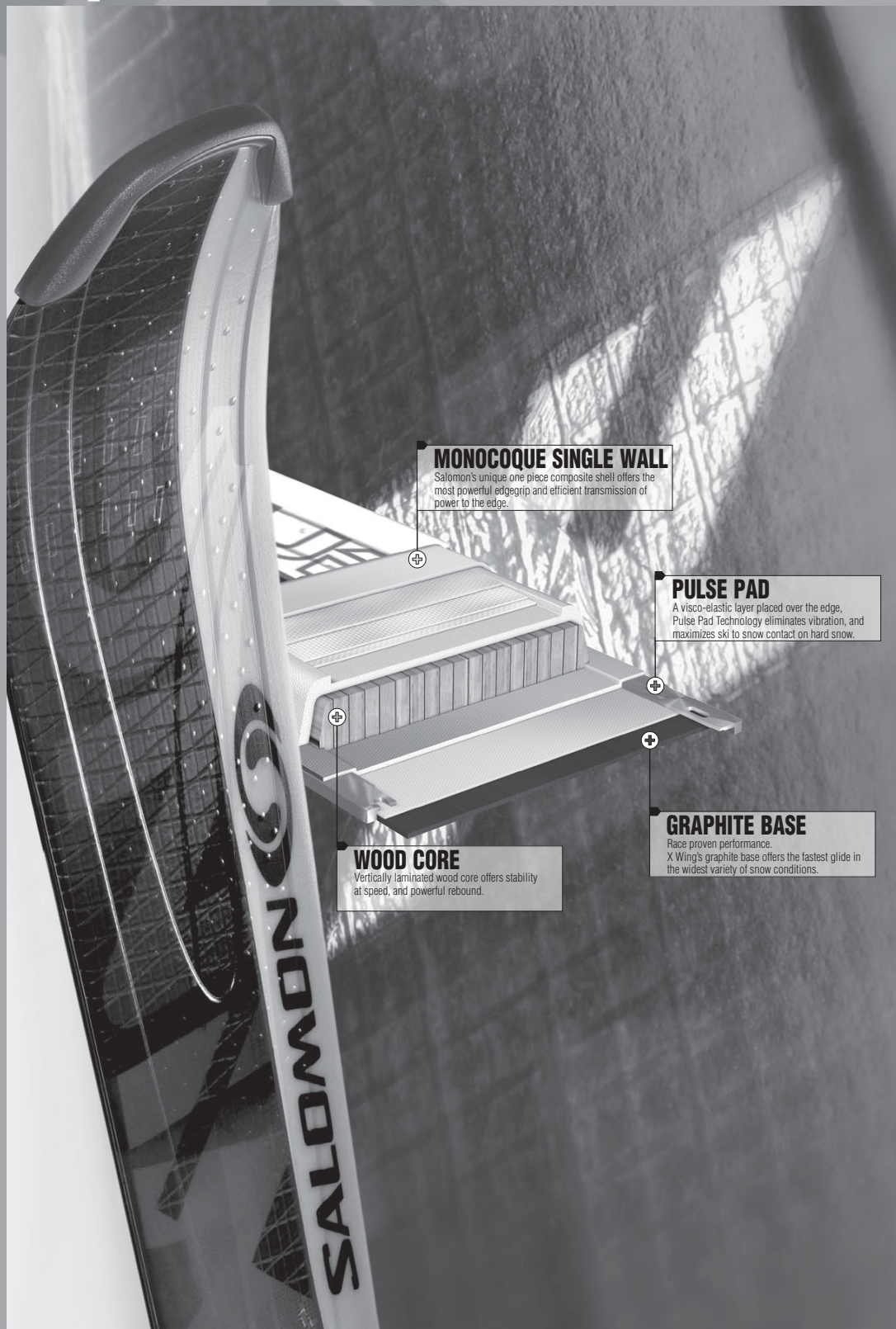
- | | | | |
|-----------|------------|------------|------------|
| 1 a b c d | 7 a b c d | 13 a b c d | 19 a b c d |
| 2 a b c d | 8 a b c d | 14 a b c d | 20 a b c d |
| 3 a b c d | 9 a b c d | 15 a b c d | 21 a b c d |
| 4 a b c d | 10 a b c d | 16 a b c d | 22 a b c d |
| 5 a b c d | 11 a b c d | 17 a b c d | |
| 6 a b c d | 12 a b c d | 18 a b c d | |

MAIL OR FAX TO:

Salomon Certification
5055 North Greeley Ave.
Portland, OR 97217
Fax: (971) 234-7002
Phone: 1 (800) 654-2668

TECHNICIANS SIGNATURE

SIGNATURE DATE



MONOCOQUE SINGLE WALL

Salomon's unique one piece composite shell offers the most powerful edgegrip and efficient transmission of power to the edge.

PULSE PAD

A visco-elastic layer placed over the edge, Pulse Pad Technology eliminates vibration, and maximizes ski to snow contact on hard snow.

WOOD CORE

Vertically laminated wood core offers stability at speed, and powerful rebound.

GRAPHITE BASE

Race proven performance. X Wing's graphite base offers the fastest glide in the widest variety of snow conditions.

Adult Ski Length Selection

For the Salomon skis, find the corresponding centimetre length for your weight.

Add to that number any additional length from the boxes below according to your ability, aggressiveness, the snow conditions you ski most of the time and the kind of skis you want to choose.

WEIGHT							
Kg	< 47	48 - 52	53 - 58	59 - 65	66 - 73	74 - 82	83 >
Corresponding	↓	↓	↓	↓	↓	↓	↓
SKI LENGTH cm	140 cm	145 cm	150 cm	155 cm	160 cm	165 cm	170 cm

LEVEL					
	1. BEGINNER	2. INTERMEDIATE	3. ADVANCED	4. EXPERT	5. SPECIALIST
+	You are skiing the first week (rental skis)	Able to ski most runs in good conditions	Able to ski all runs in good conditions	Able to ski on all runs in any conditions	Able to ski on all runs in changing conditions
	- 20 cm	- 5 cm	+ 0 cm	+ 5 cm	+ 10 cm
	Discover first ski sensations	Prefer moderate speeds	Prefer a variety of speeds	Prefer high speeds	Prefer highest speeds

TERRAIN	
+	Most of the time on groomed piste or on hard snow conditions
	+ 0 cm
	Most of the time off piste or on soft snow conditions
	+ 5 cm

KIND OF SKI	
+	SKI
	EQUIPE 3V RACE EQUIPE 3V WORLD CHAMPION EQUIPE SC RACE DEMO X 3V / XT / X LADY STREETRACER RUSH TENEIGHTY FLYER
	- 1 cm
	SKI
	EQUIPE 2V RACE EQUIPE GC / GC RACE / GC SERIES DEMO X 2V / XR CROSSMAX X WING TENEIGHTY GUN / SPK / FOIL / THRUSTER SCARLET / MYNX / TEMPTRESS AK ROCKET SIAM
	+ 4 cm

TOTAL	
=	This total centimetre length is a guide , your preferred length will be the ski closest to the recommended total.

Commercial Designation System	Binding + Brake	Measurements						Weight (g)	Construction	Core	Base	Layout						Specific Features
		Side Cut			Radius (m)	Mid sole boot	Ski + System (1/2 pair)					Ski + System (1/2 pair)	Spaceframe	Composite	Isocell	Women	Other	
		Length (cm)	Tip (mm)	Waist (mm)														
Women																		
Carving	Rush N° 10 Smartrak Control	210 Ti + B75	144	112	63	93	10.3	614	1310									
			152	112	64	94	11.7	657	1450									
			160	112	65	95	13.3	701	1600									
	Rush N° 8 Smartrak Grip Plus	710 Ti + B75	144	112	63	93	10.3	614	1310									
			152	112	64	94	11.7	657	1450									
			160	112	65	95	13.3	701	1600									
	Rush N° 6 Smartrak Grip or Naked	609 Ti + B75	140	114	66	100	9.8	593	1430	1140								
			148	116	66	101	10.7	629	1560	1270								
			156	118	66	102	11.6	676	1690	1400								
	All Mountain	Siam Origin's Smartrak Control	210 Ti + B80	163	124	73	105	11.4	662	1655								
				161	124	74	106	12.9	705	1755								
				169	124	75	107	14.5	748	1855								
Siam N° 10 Smartrak Control		210 Ti + B80	145	124	72	104	10.1	620	1580									
			153	124	73	105	11.4	662	1680									
			161	124	74	106	12.9	705	1780									
Siam N° 8 Smartrak Grip Plus		210 Ti + B80	145	124	72	104	10.1	620	1580									
			153	124	73	105	11.4	662	1680									
			161	124	74	106	12.9	705	1780									
Siam N° 5 Smartrak Grip or Naked		609 Ti + B80	134	112	70	102	9.6	578	1400	1110								
			144	114	70	103	10.8	623	1510	1220								
			154	116	70	104	12.1	675	1630	1340								
Siam N° 4 Smartrak Grip or Naked	609 Ti + B80	159	117	70	105	12.6	704	1695	1405									
		164	118	70	105	13.3	727	1760	1470									
		174	120	70	106	14.7	780	1910	1620									
Freestyle	Scarlet (Naked)	914 + B75	137	112	70	101	9.5	593	1270									
		Z12 + B75	145	113	70	102	10.6	633	1340									
		Z10 + B75	153	114	70	102	11.7	673	1410									
	Myx (Naked)	914 + B75	161	115	70	103	12.9	713	1800	1510								
			169	116	70	103	14.2	753	1870	1580								
			145	113	70	102	10.6	633	1340									
	Tempress (Naked)	914 + B75	161	115	70	103	12.9	713	1800	1510								
			169	116	70	103	14.2	753	1870	1580								
			154	130	92	122	12.8	689/669	1670									
	Junior	Equipe T 2V Race Smartrak Grip	914 + B75	175	110	65	89	19.7	758	1830								
			Z12 + B75	145	104	65	86	15.1	620	1490								
			Z10 + B75	155	106	65	87	16.6	666	1570								
Equipe T 2V Race* (Naked) (*U.S. only)		914 + B75	135	101	65	85	14.0	574	1050									
			155	117	63	100	11.2	673	1580									
			130	112	63	96	8.0	562	1395									
Equipe T 3V Race Smartrak Grip		Z12 + B75	140	114	63	99	9.2	609	1480									
		Z10 + B75	150	116	63	100	10.4	656	1595									
			120	106	63	93	7.9	520	815									
Equipe 8 T Powerplate		914 + B75	140	100	64	89	13.3	586	1370									
			150	102	65	87	13.6	615	1500									
			140	100	64	89	13.3	586	1370									
Equipe T L (Naked)	914 + B75	150	102	65	87	13.6	615	1130										
		120	99	65	85	9.3	495	790										
		130	99	65	85	11.2	541	900										
Equipe T S (Naked)	914 + B75	90	99	65	84	4.9	355	490										
		100	99	65	84	6.2	400	570										
		110	99	65	84	7.7	445	680										
X-Wing T L (Naked)	914 + B75	140	100	64	89	13.3	586	1010										
		150	102	65	87	13.6	615	1130										
		120	99	65	85	9.3	495	790										
X-Wing T M (Naked)	914 + B75	130	99	65	85	11.2	541	900										
		90	99	65	84	4.9	355	490										
		100	99	65	84	6.2	400	570										
X-Wing T S (Naked)	914 + B75	110	99	65	84	7.7	445	680										
		70	99	65	84	2.5	280	330										
		80	99	65	84	3.6	310	410										
X-Wing Grom XS (Naked)	914 + B75	121	105	70	97	8.4	555/575	830										
		131	105	72	98	10.6	605/625	940										
		141	105	74	99	13.3	655/675	1050										
Teneighty Fish L (Naked)	914 + B75	101	105	66	95	4.9	455/475	590										
		111	105	68	96	6.5	505/525	710										
		121	105	70	97	8.4	555/575	830										
Teneighty Fish S (Naked)	914 + B75	131	105	72	98	10.6	605/625	940										
		141	105	74	99	13.3	655/675	1050										
		101	105	66	95	4.9	455/475	590										
Kitten L (Naked)	914 + B75	111	105	68	96	6.5	505/525	710										
		121	105	70	97	8.4	555/575	830										
		131	105	72	98	10.6	605/625	940										
Kitten S (Naked)	914 + B75	141	105	74	99	13.3	655/675	1050										
		101	105	66	95	4.9	455/475	590										
		111	105	68	96	6.5	505/525	710										

SNOWBLADE

Warning

Be careful: do not use Snowblade® skiboards if you are shorter than 150 cm / 5 feet, and especially if you are a child under that height. Retailers and rental operators are obligated to communicate this information to their customers.

Snowblade Liability Indemnification

Salomon offers liability indemnification to Salomon Authorized Dealers. Salomon will defend and indemnify a Salomon Authorized Snowblade Dealer against liabilities from claims presented by any customer of the Authorized Dealer arising solely from the use of Salomon Snowblades, provided:

- | | |
|---|--|
| <p>A. The dealer purchased the Snowblades from Salomon.</p> <p>B. The dealer has received written notice of a claim involving Snowblades.</p> <p>C. The claim alleges use of the Snowblades resulted in injury.</p> <p>D. The dealer provided instructions recommended by Salomon on the use of the equipment to the purchaser or user.</p> <p>E. The purchaser or user was advised that the Snowblade sport, like many other recreational activities, involves inherent and other risks of injury and death, and that:</p> <ul style="list-style-type: none"> • The Snowblade binding is a non-releasable binding. • Adult snowblade models (85 cm and longer), are not recommended for people less than 5 feet tall (1.5 meters) and especially not for children less than 5 feet tall (1.5 meters). • The leashes provided with Snowblades must be worn at all times. • Snowblades are not designed for backcountry or deep snow applications. | <p>F. Customers who purchased Snowblades were given the in-box pamphlet and any other information included in each Snowblade box.</p> <p>G. The dealer uses workshop and/or rental forms the same as, or equivalent to, Salomon forms with currently approved Liability Release Language for Snowblades.</p> <p>H. A copy of the properly completed workshop form or rental form, including a signed release, is submitted.</p> <p>I. Any other helpful information such as a Ski Patrol Incident Report Form is submitted.</p> <p>J. The dealer notifies Salomon in writing within ten days of the date on which the dealer first receives written notice of the claim.</p> <p>K. The dealer cooperates fully in the investigation, litigation and/or settlement of the claim.</p> <p>Salomon may terminate indemnification, with respect to Salomon Snowblades, upon providing written notice to the dealer.</p> |
|---|--|

Snowblade Binding > Large sizes compatibility

The Snowblade binding mounted on the retail products can accommodate boot sizes up to 30 Mondopoint (for traditional Alpine boots) and 29 Mondopoint (for specific Snowblade boots).

To allow the Snowblade bindings to accommodate sizes up to 34 Mondopoint for the retail binding, Salomon offers a wire bail replacement kit.

This kit for large sizes consists of two black wire bails to replace the origi-

nal gray toe bails. This kit is available as a spare part under the reference 891974.

Caution: Mounting these specific wire bails for large sizes no longer allows you to use the conversion chart for adjusting the Snowblade binding.

Be careful not to strip the screws when installing the longer bails!

For this reason, only use a manual screwdriver for loosening and tightening the screws.

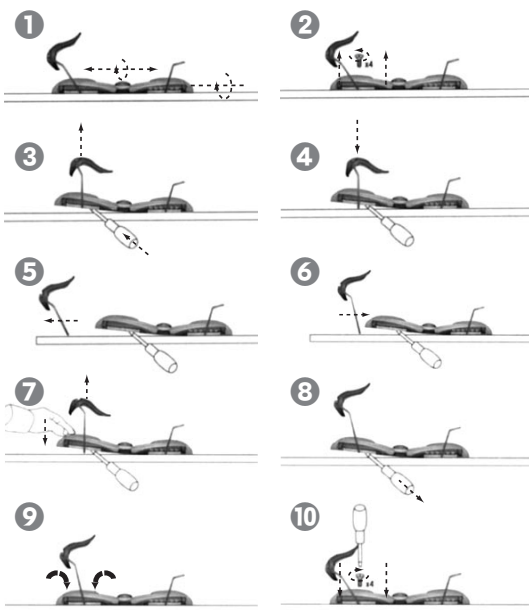
Snowblade Maintenance & Repairs

The leash must never come in contact with the tuning machines. Roll up the leash and wedge it in the center of the binding with the bails closed. For maintenance, refer to **Ski Maintenance** on page 47.

If for any reason whatsoever you need to dismount and/or remount the Snowblade binding, **you must use a manual screwdriver only** (2.5 +/- 0.5 Nm torque).

In case of a stripped screw, use the Snowblade repair drill bit (ref. 001090) and the traditional plastic repair plugs (ref. 000846). There is no jig to make this repair. However, the drill bit must be perpendicular to the surface of the ski. Make sure the repair plug is flush with the surface of the ski. If it isn't, file it down to make it flush.

Replacing Snowblade binding toe clips



- Put the toe clips in the open position by moving the central roller or the adjustment knob without going to the maximum. **Fig. 1**
- Loosen the 4 screws on the front part of the binding using a hand screwdriver. **Fig. 2**
- Pull the toe clip upward to lift up the front of the binding about 10 mm, and insert a screwdriver laterally between the board and the toe clip support piece. **Fig. 3**
- Stop pulling upward and now apply downward pressure, always acting on the same toe clip, so as to unsnap it from its support. **Fig. 4**
- Slide the toe clip forward and remove it. **Fig. 5**
- Take hold of the toe clip for large sizes and orient the toe clip + lever

unit as to allow for it to be put on in the future. **Fig. 6**

- Place the new toe clip in its slot on the support and pull it upwards (while holding the front part of the binding to keep it from bending too much) to snap it on. **Fig. 7**
- Remove the screwdriver. **Fig. 8**
- Press down hard on the front part of the binding to make sure it is flat against the board (this procedure helps to make sure the toe clip is in the proper position on its support). **Fig. 9**

The toe clip support should be flat against the board.

- Tighten the 4 screws with a hand screwdriver using a 2.5 +/- 0.5 Nm torque. **Fig. 10**

Follow the same procedure for the other binding.

SNOWBLADE > Mounting, Maintenance & Repair (continued)

Replacing the Snowblade leash

Spare part ref. S90405.

1. Remove the leash from the bail.
2. Put the replacement leash around the heel bail.
3. Put both parts of the rivet in the holes of the leash.

4. Squeeze both sides of the rivet together onto the leash (with pliers, vise...).
5. The rivet is in place when it no longer turns in the leash.
Do not mount the rivet with a hammer.

Storing Snowblade

If storing for an extended length of time, keep the heel bail in a high position to avoid any damage to the plastic parts.

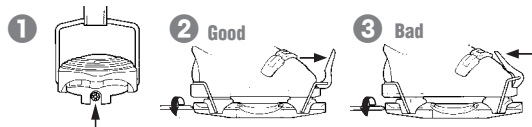
Store them in a dark, dry, ventilated area.

Adjustment

The Snowblade binding is designed to be used with alpine ski boots. Most Hiking and Snowboarding boots, whose outsoles conform to the ASTM, DIN, ISO norms, can also be used.

You must clean the Snowblade binding and the boot sole before putting the boot in the binding.

Adjusting SpeedFit (Rental) Bindings



Use the screw located at the rear end of the binding to make the adjustment. **Fig. 1**

1. Make the adjustment with a clean boot and no snow on it.
2. Using a power screwdriver or the drill that you use for mounting bindings (4 Nm), separate the bails to allow for the placement of the boot.
3. Put the toe clip in the high position.
4. Move the bails closer together by putting the lever in a vertical position. **Fig. 2 Important:** do not put the bails in the riding position,

to prevent the risk of breakage.

Fig. 3

5. Stop tightening the screw once the lever touches the end of the boot sole.
6. **Check the adjustment with the boot in the binding:** you should be able to pull the lever back with moderate pressure (3 daN).
7. Once the adjustment is finished, remove the boot and read the mark indicated on the scale under the boot platform.
8. On the other Snowblade, align the boot platform with the same mark.
9. Check by putting the other boot in the binding.

Adjusting Snowblade Retail Binding

The Snowblade bindings have been designed to accommodate Alpine ski boots.

1. Measure the boot sole length (in mm) with the Synchro measurer (Ref. 001189).
2. Move the metal bails by using the central roller or the screw located at the back of the products with a manual screwdriver (5-6 Nm torque) to align the axis of the bail with the gradu-

ation of the plate that corresponds to the boot sole length in mm.

3. Check the proper adjustment by placing the boot in the binding (once the lever is closed, it should exert pressure on the front of the boot and the force to open the lever should be about 3 daN; if this is not the case, modify the adjustment).

Replacing Snowblade tip protectors

MiniMax - Snowblade 99

- Drill the rivets with a 4 mm diameter 'carbide' drill bit.
- Put on the new tip protector by aligning the holes with the ones on the blade.
- Insert the male part of the rivet in the holes on the base side.
- Put the female part of the rivet in the holes on the top surface side.
- With multi-purpose pliers or a vise, squeeze both parts together

making sure the rivet is flush with the tip protector.
Do not use a hammer for this operation.

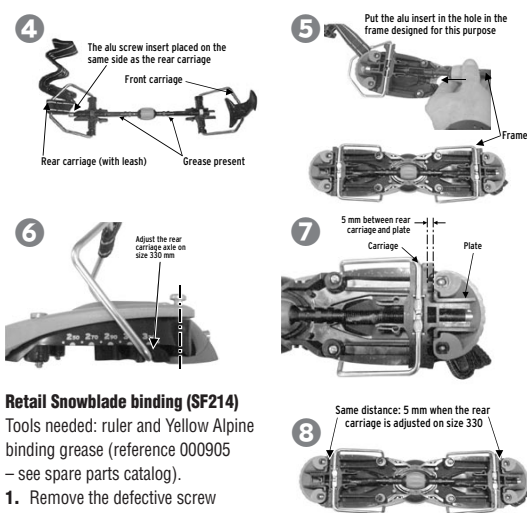
- The rivet is in position when there is no free play.

SB Ten

- Loosen the 2 screws with an allen key \varnothing 4 mm.
- Place the new tip and line up the holes tip with holes of the ski.
- Tighten the 2 screws with the allen key \varnothing 4 mm (2.5 +/- 0.5 Nm torque).

Due to their shape (shell width, prominent shape) certain types of boots are not for use with the snowblade binding. In this case, DO NOT USE THE SNOWBLADE.

Replacing the adjustment screw



Retail Snowblade binding (SF214)

Tools needed: ruler and Yellow Alpine binding grease (reference 000905 – see spare parts catalog).

1. Remove the defective screw
2. Before mounting, put the grease (reference 000905) on both ends of the new screw.
3. Put the screw in the 2 carriages: be careful not to switch the front and rear carriages in relationship to the screw. (the rear carriage must be on the same side as the alu insert). Tighten the carriages on the screw sufficiently to make the mounting easier. **Fig. 4**
4. Mount the screw / carriage unit on the frame of the binding. **Fig. 5**
5. Adjust the axle of the rear carriage on the size 330 mm as described below. **Fig. 6**

6. Using a ruler, measure the distance between the rear carriage and the plate as described below. This distance must be 5 mm. **Fig. 7**

7. Adjust the front carriage by tightening/loosening it to get the same carriage/plate distance between front and back. (make sure you don't change the rear carriage adjustment during this operation). **Fig. 8**

MAINTENANCE & REPAIRS

Ski maintenance

Good ski maintenance is just as important for the recreational skier as for the racer. A fine-tuned ski lasts longer. A well-prepared ski turns better, grips the snow better and glides better on all types of snow.

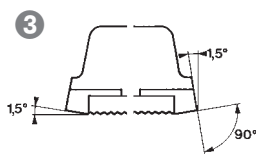
The ski tune-up involves three steps:

- 1. Daily check-up** - at the end of everyday of skiing.
- 2. Machine tuning** - for quick work.
- 3. Complete hand tuning** - for skier's specific needs.

Check-up

- Visually check to see if any rust has developed on the edges.
- Remove any traces with fine, 220-230 grit sandpaper.
- If necessary, sharpen and polish edges using sandpaper wrapped around a file.
- Clean the base and wax with Swix wax.

Machine tuning



Ski check-up

- Visually check to determine what needs to be tuned.
- Remove major deep scratches on edges with whetstone (see p. 18 for repairing).
- Remove any traces of wax or grease.

Fill in any holes in the base

(see base repairs on p. 50)

Depending on the conditions of the base and materials available:

- a) Grind entire base surface. **Fig. 1**
- b) Fill-in scratches with base repair material.
- c) Repair any large damaged areas with base patch/die.

Stone grinding

For Prolink skis, install the Binding-Bridge kit according to the **Maintenance Specifics** paragraph on page 49.

a) Surface smoothing

- Place the skis on a flat surface.
- Eliminate any excess polyethylene on the base with a hand base plane to decrease the risks of contaminating the stone.

b) Semi Finishing

- Stone grind until the base becomes flat and glossy.
- Avoid overheating and use of a dirty stone (lengthwise streaks on base are from stone contaminant).
- Dress the stone regularly to keep it in good condition (when using a belt grinding machine: use 80 grit belt).

c) Finishing **Fig. 2**

- Stone grind to obtain a fine structure (when using a belt grinding machine: use 150 grit belt).
- Do not use a dirty stone which creates fluff/hair.

d) Beveled/recessed finish

For skis with beveled/recessed finish, we recommend a straight, fine stone-ground structured base.

Note: always make the last run in this direction: Tip - Tail. Concerning the machine parameters, consult the machine manufacturer.

Stone grinding the ski base

Surface Smoothing Grinding	Semi Finishing Grinding	Finishing Grinding
Rotation speed 1000 t/mn	Rotation speed 800 to 900 t/mn	Rotation speed 400 to 500 t/mn
Pressure 2,5 Ski feed speed 10 m/mn	Pressure 2,5 Ski feed speed 10 m/mn	Minimum Pressure Ski feed speed 10 - 11 m/mn
Dressing Dressing rate 9 - 12 mm/s <small>(depending on the condition of the ski)</small>	Dressing Dressing rate 4 - 16 mm/s	Dressing Dressing rate 7 - 8 mm/s
Dressing speed Micro automatic (1300t/mn)	Dressing speed (1300 t/mn)	Dressing speed (1300 t/mn)

Values from Wintersteiger machines (Micro 81 - Micro 91) or equivalent machines.

Ski tuning on beveled/recessed edges

Parameter of the machine	Beveled edge	Recessed edge
Program 1	Angle 1°	Angle 1°

Program from Wintersteiger machine (Trim Disc).

Edge finishing

We recommend grinding the edges with a cup grinding wheel. **Fig. 3**

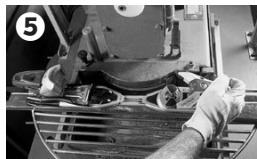
- Check the angle adjustment beforehand.
- Make sure the stones are well lubricated.
- Make sure the edges are not burnt (brown color).
- Check the tuning lengths.

- Smooth the edges by hand with a soft stone (**Fig. 4a**) or Scotch Brite® (**Fig. 4b**)
- Make sure all burrs are removed and smooth down again, if necessary.

For non equipped retailers they can do a classic tuning.

MAINTENANCE & REPAIRS (continued)

Machine tuning (continued)



5 Lateral finish (Fig. ⑤):

- Lateral finishing with lubricated 220 belt (or use the smallest grit possible).
- Pass over the edges 1-2 times depending on the condition of the edges.



- A double sided sharpener will maintain the ski's proper side cut.
- For a performance preparation, polish the base edge with a polishing stone or whetstone to eliminate any file marks on the edges.



- Remove burrs and polish edges with a lubricated Scotch Brite® belt machine at a slow speed.
- Be careful to lubricate sufficiently to avoid burning the base.



Waxing, scraping and brushing

a) Waxing (Fig. ⑧)

- It's best to use melted wax.
- Clean the base thoroughly.
- Make sure the iron is set at the appropriate temperature so that only the wax is melted. (Temperature 110 °C +/- 5 °C or 230 °F +/- 10 °F).



- Excess heat (above 120 °C or 248 °F) can be harmful to both wax and ski, and can even cause permanent loss of glide qualities in the base.**
- Choose a wax according to the wax manufacturer's recommendations.
 - Melt the selected wax over the entire length of the base, and let the wax cool to room temperature.



b) Scraping (Fig. ⑨)

- Remove the excess wax with a plastic scraper from tip to tail to leave only a very thin layer.
- Remove wax from the base groove and ski edges as well.

c) Brushing (Fig. ⑩)

- Brush the base with a nylon brush (or other type depending on the

- Carefully remove all burrs with a soft stone.
- Quickly wipe the ski to avoid staining from the dried lubricant.

A well-sharpened ski is always sharper underfoot than at the extremities of the ski.

TOOLS:

- Wax remover
- Iron with thermostat
- Wax applicator
- Plastic scraper
- Brush

structure desired) working from tip to tail.

- A rotating brush removes the structure of the base for good glide. Strap the skis together. Position the straps at the base contact points.

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

Hand tuning

A true bar is the basic tool for checking and assessing:

- ski base flatness,
- that the edge is slightly recessed from the base,
- the extent of base scratches and appropriate repair. The edge angle checking tool is used to verify that the edge has an angle of 90°.

Ski check-up

- Check the base and edges of your skis with a true bar.
- If repairs are necessary, see instructions on p. 50.

Smoothing the base and edges (Fig. ⑪)

Classic finish: If damage is only minor, use a file to tune; otherwise the ski must be tuned on a machine.

Beveled/Recessed finish: the recommended bevel is between 1° and 1.5°.

Edge sharpening (Fig. ⑫)

- Sharpen base edges.
- Sharpen side edges.

On classic finish: make sure the edges are at 90°.

On Beveled/Recessed finish: make sure that the beveled and recessed edge angle is between 1° and 1.5°.

- Round off the tip and tail slightly.
- Remove any burrs with soft stone or Scotchbrite®.

Polishing the edges

Polish the edges with a whetstone, starting first on the base and then the sides.

Waxing, scraping and brushing

Follow the same instructions as in machine tuning.

TOOLS:

- Square
- 20 cm (8 inch) file
- Whetstone
- Soft stone
- Scrapers
- Brushes
- Scotchbrite®
- Sandpaper (220-320 grit)
- Central holding vise
- Swix wax

De-tuning the edge angle at the extremities

Important: After all finishing operations (by hand or machine) it is essential to remove any burrs from edges and to polish the edges to ensure good ski performance.

Cleaning the skis > Warning

Pressurized cleaners are prohibited, as well as the following solvents:

- › Acetone
- › 95° alcohol

(due to risk of damaging the cosmetics of the top surface of the ski).

Maintenance specifics > Prolink adapter

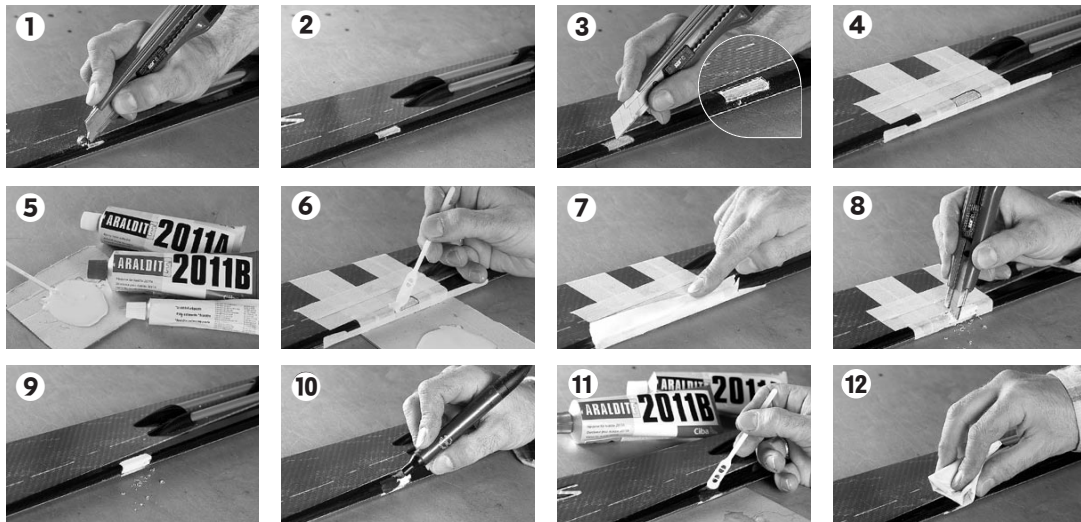
Tuning skis with prolink on automatically programmable machines and machines with a lead:

To be able to tune skis with the Y and V prolink, we have developed a specific tuning kit in cooperation with the Wintersteiger company.

This new Prolink adapter can be mounted on the adjustable Wintersteiger bridge (ref. 2000: 7217-0111-V01) and is available at Wintersteiger under the reference 7217-0111-V05.

MAINTENANCE & REPAIRS (continued)

Repairing the surface of the ski and snowblade



There are two methods for repairing the ski surface:

- 1) 'One colored' paste + Araldite®
- 2) 'Multi colored' Araldite® + white + coloring

Repair process:

1. With a cutter, outline the area to be repaired, then cut the top surface. **Fig. 1**
2. Result after cutting the top surface. **Fig. 2**
3. With a cutter, score area to repair (fibers) to improve bonding. **Fig. 3**
4. To protect top surface, put adhesive tape around the area to repair. **Fig. 4**
5. Prepare Araldite® resin with gun.
6. Which type of repair to choose:
 - a) One-color surface repair
 - b) Multicolored surface repair
7. Add a small quantity of coloring paste to the Araldite® resin. Gently mix (in order to avoid

bubbles) to obtain a homogeneous mixture. Add a small quantity of coloring paste (White DW 0131) to the Araldite® resin. White paste is used as a primer in order to have the desired colors afterwards. Gently mix (in order to avoid bubbles) to obtain a homogeneous mixture. **Fig. 5**

8. Apply thicker than top surface of the ski in the areas to be filled. Wait a few moments to eliminate bubbles if necessary. **Fig. 6**
9. Put adhesive tape on the area to avoid running. Let it dry for 12 hours. **Fig. 7**
10. After 12 hours of drying, remove the adhesive tape from the mixture. Do not remove the adhesive tape around the area which protects the top surface from scratches. Use the flat side of a cutter to scrape off the excess mixture. **Fig. 8**

11. Smooth it down with 600 grain sand paper. Remove the adhesive tape. **Fig. 9**

12. Finish sanding gently in order to obtain a smooth surface. Be careful of the ski's decor/cosmetics.

Create a decoration

13. For the coloring stage, do not try creating tone on tone to create the exact color of the ski. Trying to reproduce a motif of the ski design already present elsewhere is better and easier. The final layer of Araldite® tends to lighten colors. **Fig. 10**
14. Use the Araldite® gun for a varnish finish which will protect the ski surface from cuts from the edges. A small quantity of Araldite® is sufficient.
15. Apply a fine layer of Araldite® with a cutter to avoid excessive thickness. **Fig. 11**

16. Using a dust-free cloth, wipe off the excess Araldite® to obtain a smooth, even surface. Let it dry for 30 minutes. The repair is finished. **Fig. 12**

MATERIALS NEEDED:

- Araldite® 2011
- Araldite® gun 50 ml
- Araldite® coloring paste for smooth color (DW 0131 White, DW 0133 Red, DW 0137 Black, DW 0132 Yellow, DW 0134 Green, DW 0135 Blue)
- White paste for undercoating for decoration (DW 0131 White)
- Felt pen to color the design, type 3 points, permanent (Ref: Pantone 87828 - color number).

ACCESSORIES:

- Cutter
- Adhesive tape
- Towel
- Sand paper, Grain 600

The TPP top surface

All the adult and Rental models are protected by the TPP (Transparent Polyamide Protection). Regarding the Junior models, they are protected by TP (Transparent Protection).

The transparent tops cover the cosmetics underneath, which guarantees the durability of the cosmetics.

Base repairs

Superficial scratches

Machine tuning will make the scratch disappear (see the ski maintenance repair)

Not very deep scratches or marks to be filled by machine

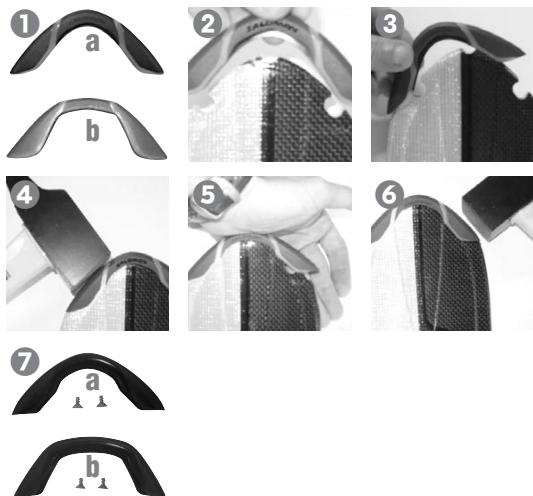
- Pour the polyethylene.
- Wait 10 minutes for the material to harden.
- Remove the excess polyethylene with a steel spatula for a flat surface.
- Proceed with machine tuning.

Deep cuts

- Cut out the damaged area with the base patch die.
- Cut a piece of the base material with the base patch die.
- Glue it into the damaged area.
- Hold it in place with a clamp and press repair (glue the pieces with Loctite® 406 or slow Araldite®).
- Proceed with machine tuning.

MAINTENANCE & REPAIRS (continued)

Replacing the tip protector



2006/2007 Rental Tip Protector

“Triangle” tip protector (fig. 1a)

compatible with following skis:
Crossmax V12, Crossmax V800,
Equipe SC Race, Equipe GC Race,
Streeracer 800.

“Hexagonal” tip protector (fig. 1b)

compatible with following skis: X-
Wing Blast, X-Wing 10.

1. Check that the tip protector is on the right position (Salomon logo on top foil side (fig. 2)).
2. Set up the tip protector on the lateral groove with a rubber hammer (fig. 3&4).
3. Set up the tip protector on the central groove (fig. 5).
4. Finish the mounting on the second lateral groove with a rubber hammer (fig. 6).

Others rental models use rental tip protector range 05

“Triangle” tip protector (fig. 7a)

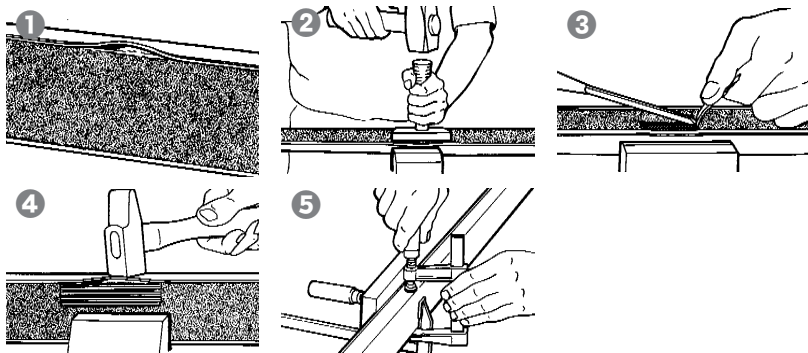
compatible with following skis:
Streeracer 600, Rush 800,
Rush 600.

“Hexagonal” tip protector (fig. 7b)

compatible with following skis: X-
Wing 700, X-Wing 400, Siam 400,
Axess 120.

1. Insert the tip protector on the ski.
2. Place the 2 screws in the 2 holes face the running base and screw on (1N.m).

Replacing edges



Repair process:

1. Verify that the ski can be repaired.
2. Remove the binding and clean the ski.
3. Check the length of the edge to be replaced. Fig. 1
Cut out the base where the edge must be changed (10 mm beyond) with the base patch die or cutter (in this case, make a reproducible cut-out). Fig. 2
4. Cut the 2 sides of edges between two wings with 45° angle, as illustrated.
5. Cut out the edge carefully with cutter or wood chisel, then roughen the area with 80 grit sandpaper. Fig. 3
6. Cut the new edge, trim it and remove the grease.
7. Place the new edge and screw 2 wings near the tip.

Wedge in place in order to maintain a good profile and keep the edge horizontal.

Fig. 4

8. Apply epoxy to affected area and heat slightly with heat gun, concentrating on each wing.
9. Put plastic over cut out area and insert piece of new base material.
10. Cover the affected area with mold release paper and place ski in heat press. Fig. 5
11. When the epoxy has cured, remove the ski from the heat press and remove base patch and plastic film.
12. Reapply epoxy to the affected area.
13. Carefully insert piece of base material into cut-out area.

14. Cover affected area with mold release paper and place ski in heat press.

15. When the epoxy has cured, remove the ski from the heat press.

16. Grind base and edge locally.

17. Plane patch area to obtain proper geometry with base plane or file.

18. Repair any damage to top layer with a mixture of epoxy and colorant.

19. Tune and wax the ski.

MATERIALS

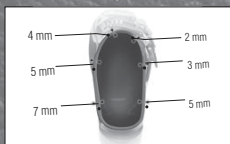
- screw (wood, 1,5 x 15 mm)
- epoxy
- epoxy colorant or methane glue
- mold release paper or PE film
- base patch die (KT Technic)
- cutter, ruler
- scale model drilling machine with cutting disc
- narrow screwdriver
- heat gun
- wood chisel
- repair press 200 mm length
- base plane Wintersteiger, file
- belt grinder
- stone grinder

PARTS

Reference #	Item Name
S90167	Standard Salomon edges for all skis
S90190	Wider edge for the models: X Scream Grom, X Scream T, Fiveforty, Crossmax 10 T, Equipe T, X Scream 10T, Crossmax T, Crossmax Grom
J90104	Wider edge for the models: Verse 5, Verse 5 Women, X Scream S
891451	Wider edge for the models: Pocket Rocket



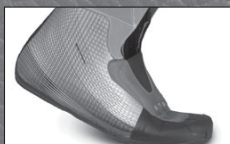
FALCON CONCEPT



- ▶ **SECOND SKIN SHELL**
Thin shell construction for the lightest and most sensitive boot ever, offering superior fit & feel



- ▶ **SECOND SKIN LAST**
The most anatomical fit, so natural you will feel it wrapping your foot before you even close the buckles



- ▶ **SENSITIVE LINER**
Soft sole under metatarsals for great forefoot sensitivity. Leather-textured liner for pure sensations & foot envelopment. Sealed seams & 100% waterproof



- ▶ **REINFORCED ENERGYZER**
Stiff & dynamic reinforcement that provides a more progressive & responsive flex



- ▶ **NEW SPACEFRAME SHELL PROFILE**
Multi-layered construction with precise wall thickness to optimize feeling and performance: maximum transmission with minimal material

The FALCON is characterized by a sharp and fluid design. On one hand, we were inspired by animal origins focusing on anatomy, muscle tension, the form of tendons (buckle shape) and the feel of skin (leather on liner). On the other hand, we wanted to express aggressivity with rays forming an arrow just before the foot pointing in only one direction: victory!

FIT LEVEL



- ▶ **PERFORMANCE LAST**
Close to the foot for optimal driving precision. Every ounce of pressure is transferred to the ski.



SALOMON FOOT MEASURER

Warning, procedure, and recommendations

Warning

Salomon developed a foot measurer that will help you provide better customer service by being able to recommend the size that corresponds to the dimensions (length and width) of the skier's feet. **However, using the measurer can never replace trying on a boot.**

The volume fit can be measured in two dimensions. The morphology of the foot and physical sensitivity of each individual, according to his/her sports activities and level (comfort/performance ratio), are also determining factors in the choice of size. The Salomon measurer can be used for all Salomon footwear products

(Alpine, X-C, Hiking, In-line skates, Snowboard) and takes into account the two fundamental dimensions of both feet.

- › The length (main measurement) : it can be read directly on 5 international size scales (US men's/ US women's/ UK / EUR / Mondopoint).
- › The width in direct correlation with the length measured. The width measurement is particularly useful to refine the measurement in Mondopoint because it orients the customer towards the .0 sizes (narrow feet) or .5 sizes (wide feet).

Procedure

1. Have your customer take off his/her shoes and make sure that he/she is wearing appropriate ski socks (size and thickness).
2. With your customer standing up, legs parallel and knees slightly bent, make sure his/her heels and medial side of both feet are touching the sides of the measurer.
3. Slowly move the length guide **Fig. 1** until it touches the tip of one foot. **IMPORTANT:** When you are moving the black transversal length guide, make sure you don't put any pressure on the toes when measuring the foot. All you need to do is to barely touch the end of the longest toe. Too much pressure on the toes could lead to errors in reading by a few millimeters.
4. Read the size written vertically where the red line is in the window. **Fig. 2**

For Mondopoint, you have to take the width into account in the following manner: if the length of the foot measured is situated in this zone, this means the foot measures between 260 mm and

269 mm. Then, to choose between 26.0 and 26.5, you must look at the width scale **Fig. 3** (in this case, make it correspond to the maximum foot width with size 26).

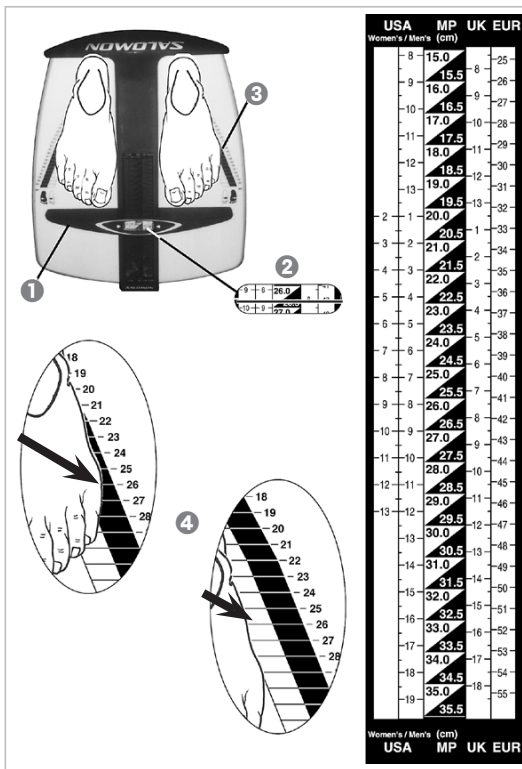
A foot that measures 261 mm would fit in size 26.5 (wide foot), whereas a foot that measures 268 mm can fit in size 26.0 (narrow foot). **Fig. 4**

NOTE: The increases in Mondopoint sizes represented by two triangles in a rectangle is made to remind you that the boot sole lengths change at the whole sizes, not the half sizes.

Remember that the size indicated on the measurer should be used to help the dealer orient the customer towards the proper size.

The final choice as to the appropriate size should be left to the customer depending on whether he/she prefers a snug fit or not.

In principle, a technical skier who appreciates a snug fit will choose the size indicated on the measurer, while a 'recreational' skier will prefer a roomier fit and will choose one size higher.



Maintenance recommendations

Use a damp cloth to clean the measurer. It is prohibited to use chemical agents, hot water, pressurized water, gasoline, alcohol, detergents, solvents or aerosols, which could permanently damage the plastic materials and erase the marks.

ADVANCED FIT TECHNOLOGY LINER

Technical description

Thermoforming



Thermoformable zones:

1 Straight and anatomical tongue

- A thermoformable internal side that provides precision and comfort.
- An external side that is more rigid on the tibia and more supple in the flex area for excellent pressure distribution without hindering flex.

2 Opened ankle area

- For ideal morphological adaptation regardless of the size and shape of the bones.

Non-thermoformable zones:

3 Asymmetrical and rigid cuff

- Distributes pressure for instantaneous transmission of efforts.

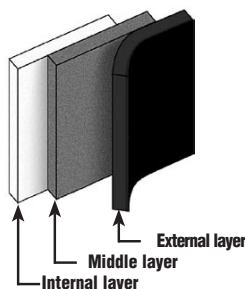
4 Watertight gusset

- Specific cuts for women and men to avoid pressure points on the lower calf.

6 More supple zones allow for easy entry/exit of the boot.

- **7 Forefoot** – The space in front of the metatarsal is not thermoformable, which allows the toes to move freely.

Layer construction



Internal layer for foot hold:

- For warmth and comfort
- Polyurethane (PU), open cell foam **envelopment, breathability, comfort**

High density CustomFit foam for superior envelopment.

Middle layer: For foot envelopment and power transmission

- Thermoformable PE (CustomFit) or self-molding PU (Autofit) or pre-formed PE (Thermic Fit) **suppleness**

Transmission foam coming from the Neoprene family for quick reactions.

External layer for contact with the shell: For pressure distribution and thermal insulation

- Polyethylene, closed cell foam: **insulation, warmth, lightness, better fit**
- PVC (Thermic + Rental): **protection, ruggedness, durability**
- Sensifit cuff construction for envelopment of the leg
- Supple exterior for contact with the shell and foot envelopment
- Anatomical tongue

Women's specific features



Women's liner with anatomic tongues made of highly moldable foams for better shin and instep comfort in sensitive foot zones.

1 Sliding band

- Helps the heel slide in.

2 Specific tongue

- Autofit and CustomFit foams for better shin and forefoot comfort.

3 My CustomFit Performance

- For a total CustomFit.

4 Polar fleece and/or fur

- Forefoot warmth.

Liner Models

New CustomFit generation

My CustomFit World Cup:

Best performance

- Extra low volume Compact Race liner (3 layers).
- Specific World Cup tongue allowing shock absorbing.

My CustomFit Race:

Best performance

- Low volume Compact Race liner (3 layers).
- Rigid sole.

My CustomFit Performance:

Better comfort on the heel, metas & sole without altering performance

- Two layers liner: thermoformable foam 80 % on all sensitive areas (heel + metas + sole).

My CustomFit Sport:

Better customization of the tibia and ankles

- One layer liner: thermoformable foam 70 % on original areas.

My CustomFit Comfort:

Better tibial customization

- One layer liner: thermoformable foam 60 % on basic area (tongue).

Old CustomFit generation

Course CF Pro / CustomFit Pro:

CustomFit technology + bi-material technology.

100 % foot hold and contact with the shell

Due to a specific 3 layer performance construction.

3D CustomFit / CustomFit:

Comfort, warmth and 'customized' envelopment

Thermoformable foams allow the liner to take on the shape of the foot after a heating procedure is performed with a special machine designed by Salomon.

+ Thermoformable insole (3D CustomFit)

AutoCF:

Automoulding foam in the foot envelopment for exceptional comfort.

CustomFit tongue for a better tibial customization.

Autofit:

Comfort, warmth, insulation and personalized foot envelopment

Self-molding foams allow the liner to take on the shape of the foot allowing anatomical adaptation of the foot's sensitive areas: the tibia, ankle, forefoot and anklebones.

ThermicFit:

Comfort and warmth

- Pre-formed zones protect the tibia and the forefoot.
- A pleasure to slip into due to its construction and materials.

ADVANCED FIT TECHNOLOGY LINER > (continued)

Thermoforming machine > Procedure

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 CUSTOMFIT liners. Any other use is forbidden.

Preparing for use (Fig. 1-2)



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.
2. Lift the hood.
3. Lift the nozzles using the handles provided.
4. Close the boot's buckles and slide the boots onto the nozzles. Make sure that the top edge of the boot touches the obturator.

Important: 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 mold 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 mins.

Warning: For optimal results, it is important that:

- the heating process lasts 15 minutes. Using the machine for more than 15 mins can damage the liner.
- operate the machine with both boots in place.

Putting the boot on

1. When thermoforming, you should only use ski 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 boot buckles.
6. The boots must be put on immediately following the end of the 15 min heating cycle. **If you feel any discomfort whatsoever when stepping-in, take your boots off immediately.**

7. Close the buckles with medium pressure, not too tight. **Fig. 3**
8. Close the strap more firmly.
9. Tap the heel on the floor to make a good impression of the Achilles' heel. **Fig. 4**
10. Wait 10 min in a standing position.
11. Remove the boots.

Practical advice

- > Salomon recommends that no CustomFit liner 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 minute cooling process to simulate the anklebone movements when skiing. **Fig. 5**

- > It is recommended to wait 1/2 hour before skiing with the boots, to allow for complete stabilization of the thermoformed liner.

Drying with a machine

When drying the CustomFit liners with a drying machine, it is important to respect the drying time recommended by the manufacturer and **that the temperature not exceed 40°C.**

SALOMON BOOT TECHNOLOGIES

Advanced Chassis Technology™

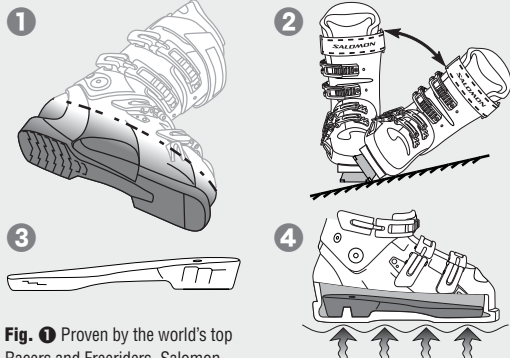


Fig. 1 Proven by the world's top Racers and Freeriders, Salomon Advanced Chassis Technology™ is the result of 3 years research and testing to optimise the structure and geometry of the sole and sides of the lower shell.

The result is an increased transmission and sensitivity that allow you to make the most of the latest shaped skis and interfaces.

Elevated Foot Position

Fig. 2 For better leverage and maximum edge angles. The foot position is raised 5 mm.

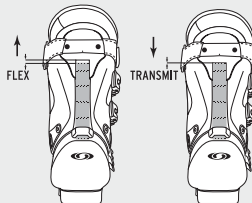
Custom Sole Standard

Fig. 3 The softer factory fitted sole allows the skier to work the Chassis for a most sensitive feeling and the enhanced ability to vary the turn radius. (Course, X-Wave, Crossmax, Fast & Free models)

Shock absorbing sole

Fig. 4 A full-length sole made from shock absorbing materials to cushion those big landings. (Course Pro, 1080, X-Wave 10.0 models)

Carbonlink™ Support

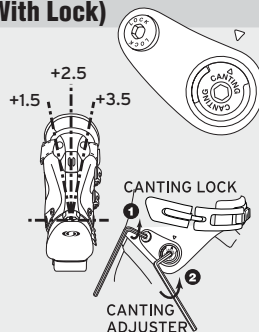


A rigid carbon arm forming a direct link between the top of the cuff and lower shell for rigid rear support without altering the natural flex.

Canting Adjustment (With Lock)

The Canting is integrated into the shell for reliable transmission and protection. It allows alignment of the cuff to the skier's lower leg shape.

- The factory preset position for the canting is + 2,5°
- First, loosen the internal and external Canting Lock with the Hexagonal Key n° 5.
- To adjust inwards to + 1,5° (a knock knee stance), turn the external adjuster one-half turn.*
- To adjust externally to + 3,5° (a bow legged stance), turn the internal adjuster one-half turn.*
- Re-tighten the canting lock.

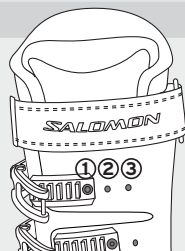


***Note:** Never turn both the internal and external adjustments as this will raise the whole cuff without adjusting the canting.

Buckle Teeth Adjustment

Offers a greater range of lower leg adjustment (+/- 20 mm):

- Loosen the screw with a 3 mm Hexagonal Key.
- Re-tighten the screw and buckle teeth in the new position.



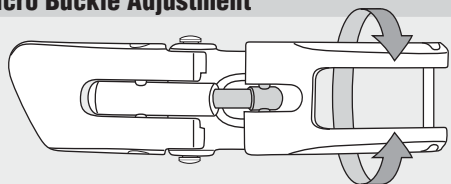
3D Buckle Adjustment

The 3D buckle adjustment allows the position of the instep buckle to be changed for personalised foot hold:

- Unscrew the buckle with a 3 mm Hexagonal Key.
- Position the buckle over the plastic lug on the shell.
- Re-tighten in the alternate position.



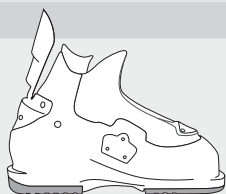
Micro Buckle Adjustment



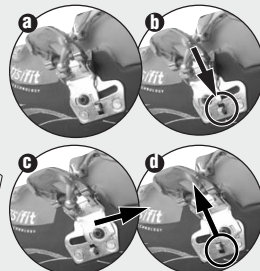
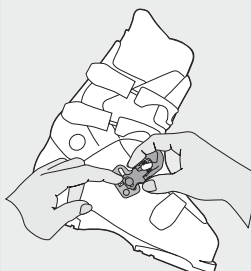
Fine tune the buckle closure by turning the part that grips the buckle teeth.

Walkadin Pads

Walking is easy and safe, skiing is compatible with alpine DIN standards. (Ellipse, Performa, e² models)



Auto 3D Buckle Adjustment



Without using any tools, the Auto 3D buckle adjustment modifies the position of the instep and/or lower leg buckle to personalize foothold:

- Lift the buckle up **a**

- Hold the lock down **b**
 - Move the buckle to the desired position **c**
 - Release the lock **d**
- (Ellipse 10.0 – shell and cuff; Performa – shell only)

BOOT CONCEPTS

SPK



TECHNICAL DESCRIPTION – SPK

- | | |
|---------------------------------------|----------------------------------|
| 1 Loop to tongue | 8 3D shock absorber |
| 2 Shin pillow | 9 PU lower shell and PP cuff |
| 3 Quicklace | 10 Micro alu overshaped buckles |
| 4 55 mm (XXXL) strap | 11 Extra padded spoiler |
| 5 Sensifit | 12 My CF PRO liner with faux fur |
| 6 Toe box | |
| 7 Interchangeable rear and front pads | |

Specific features



Performance & pleasure

By riders for riders, the new SPK boot has been designed to rock the parks and pipes. Make heads turn with this unique design, but also 20% lighter for better maneuverability with the Salomon Cushioning System. Hard core jibbers enjoy more jumps and rails in the park all day long.



Salomon Cushioning System

The Salomon Cushioning System absorbs unwanted shock to limit leg and foot injuries.



Extra padded spoiler (Fig. 1): EVA pad on the rear spoiler to provide a perfect ratio of comfort & support.



3D shock absorber (Fig. 2): The addition of a high density pad & 2 layers of gel absorbs the impact of landing shocks.

Shin pillow: For maximum comfort & flex.

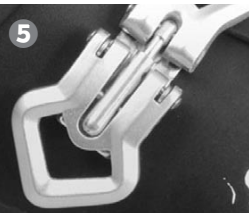
Freestyle Spaceframe technology (Fig. 3): Lightened construction to significantly reduce the weight



of the boot (20% lighter) & make it feel like an extension of your foot.

Faux fur (Fig. 4): For an extra comfortable and warm fit.

Adjustments and personalization



Overshaped buckles (Fig. 5)

Perfect pressure distribution & powerful heel lock to let your foot drive the boot, rather than be trapped inside.



XXXL strap (Fig. 6)

55 mm strap to envelop the lower part of the leg & provide freedom of movement.



Toe box (Fig. 7)

Free articulation of the toes to allow micro-adjustments of the foot & to keep perfect balance.

ADDITIONAL FEATURES

65 Performance Accessories

BOOT CONCEPTS > (continued)

Falcon / Instinct / Gun / Scarlet

Performance & pleasure

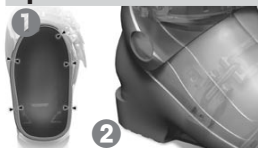
Experience unequalled on snow sensations with the Falcon boot. Featuring the new Spaceframe technology that combines sensitivity and transmission for the first time and the Second Skin Shell for perfect foot envelopment, you'll feel the ski and snow beneath like never before. Feel the power and break into the new dimension of instinctive performance skiing.

TECHNICAL DESCRIPTION - FALCON

- 1 Anatomical shell construction like a "second skin"
- 2 My CF Race Sensitive liner.
- 3 Sensifit™ liner wings.
- 4 Lower shell and cuff Energyzer
- 5 Canting adjustment.
- 6 Canting Lock.
- 7 3D wide (XXL) strap.
- 8 3D buckle.
- 9 Custom Sole
- 10 Adjustable buckle teeth
- 11 Micro adjustable buckle



Specific features



Second skin shell (Fig. 1)

Thin shell construction for the lightest and most sensitive boot ever, offering superior fit & feel.



Second skin last (Fig. 2)

The most anatomical fit, so natural you will feel it wrapping your foot before you even close the buckles.



Sensitive liner (Fig. 4)

Soft sole under metatarsals for great forefoot sensitivity. Leather-textured liner for pure sensations & foot envelopment. Sealed seams & 100% waterproof.

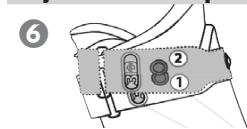
Energyzer (Fig. 5)

Stiff & dynamic reinforcement that provides a more progressive & responsive flex.

Spaceframe shell profile (Fig. 6)

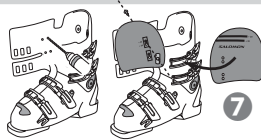
Multi-layered construction with precise wall thickness to optimize feeling and performance: maximum transmission with minimal material.

Adjustments and personalization



3D strap (Fig. 6)

The internal part of the strap is vertically adjustable. For the tightness to be situated more centrally on the tongue, unscrew the screw (position 1) with a 3 mm hexagonal key and move the insert into the higher hole (position 2). Re-tighten the screw.



Rear spoiler (Fig. 7)

The rear spoiler (from the performance kit) increases rear support (with 3 height settings) and forward lean by + 2°.

- Choose the desired height and attach using the screw provided, in the pre-drilled hole.

Delta H lift (Fig. 9)

The 4 mm heel lift (from the performance kit) can be used to improve instep/heel hold and put the skier's weight forward for faster initiation.

- Remove the liner and position the wedge in the hole provided in the rear of the Custom Sole.



SOFTENING THE BOOT

Even if the flex is more progressive than with traditional racing boots, it can be softened further more:

Reversible Method

Remove the canting lock screws. This reduces the flex by 5/10 %.

Place the plugs from the Racing kit into the screw holes on the outer cuff.

Non Reversible Method (Fig. 10)

This involves cutting the "V" in the top rear of the lower shell where marked. It is first necessary to remove the cuff as follows:

1. Remove the Liner.
2. Unscrew and remove the canting locks with the Hexagonal Key n° 5.
3. Remove the canting mechanisms. Use an 8 mm drill bit from the outside, or a grinding tool from the inside. **Caution**, do not melt the shell as the rivet will get very hot.
4. Remove the hot rivets carefully.



5. Slide the cuff upwards of the shell taking care not to damage the Carbonlink.

- First cut the shell along line 'A' to reduce the flex by 5 %.
- Then if necessary, drill out the hole at the base of line 'B' and cut out the V shape. Reducing the flex by another 5/10 %.
- Reassemble the boot with new Canting mechanism.

FALCON KIT

Shin plate (Fig. 7)

Used to reinforce the forward support and stiffens the flex. The height and lateral position are adjustable.

- Choose the forward or internal position and use a 5,5 mm drill bit to drill the 1st hole in the cuff where marked (the shin plate is marked by a cross inside the cuff of the boot).
- Choose the desired height and attach the plate using the "T" insert and bolts provided.
- Align the plate correctly and use as a guide to drill the 2nd hole and attach as shown.

ADDITIONAL FEATURES

- Custom Sole Standard
- Carbonlink™ Support
- Buckle Teeth Adjustment
- Micro Buckle Adjustment
- 3D Buckle Adjustment
- Canting Adjustment:

58	Salomon Boot Technologies
65	Performance Accessories

BOOT CONCEPTS > (continued)

X Wave / Rush / Foil / Mynx



TECHNICAL DESCRIPTION – X WAVE 10

- | | | |
|--|-------------------------------------|--------------------------|
| 1 Anatomical shell with Advanced Chassis Technology™ | 6 Wide strap | 12 Canting |
| 2 Carbonlink™ | 7 3D buckle | 13 Spaceframe technology |
| 3 Lateral inserts | 8 Micro alu buckles | 14 Custom sole |
| 4 Customfit Pro liner | 9 Adjustable lower leg buckle teeth | |
| 5 Sensifit liner wings | 10 Sensifit™ shell | |
| | 11 Canting lock | |

Specific features

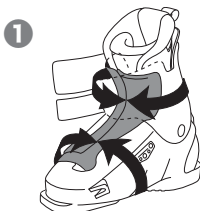
We started with the renowned fit of our ProLink™ boots, improved the envelopment and heel hold, then added the race proven technology of our Course boots:

Perfect Fit thanks to the Sensifit™, the 3D buckle and Advanced Chassis Technology liners.

The main features are: Advanced Chassis Technology™, Carbonlink™ and lateral inserts.

Precise transmission: the latest technology™ from our Course boots allows the skier to make the most of the latest shaped skis.

Adjustments and personalization > Procedure



FOR A PERFECT FIT

Sensifit™ (Fig. 1)

A soft material over the instep for improved envelopment and easier step-in.

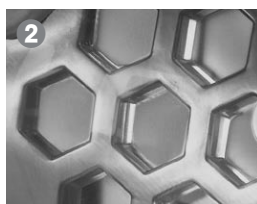
FOR A PRECISE TRANSMISSION

Spaceframe Technology (Fig. 2)

The right amount of the right material at the right place:

- reinforcement of the upper cuff with softex + higher cuff,
- next step of the A.C.T.: softening of the external face.

A maximized ski/snow contact, a "2 foot" control that is much more



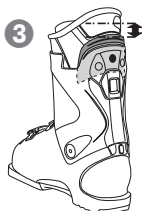
precise and an optimized trajectory, resulting from faster turn dynamism.

2 sides in complementary fashion: the external brings precision, fluidity and heightened feelings; the internal guarantees precise control, power and speed.

Adjusting the flex (X Wave 10 & Crossmax only)

Soften the flex by:

- Removing the Canting locks using a 5 mm Hexagonal Key,
- Insert the plugs in the holes (available as spare parts).



Adjustable Rear Spoiler (Fig. 3)

Customisation of the rear support to suit the shape and size of the skier's leg and increase the rear support:

- Loosen the screw with a 5 mm Hexagonal Key,
- Choose the height (the higher the spoiler, the stronger the rear support),
- Tighten the screw.

ADDITIONAL FEATURES

Advanced Chassis Technology™

Carbonlink™ Support

Walkadin Pads

Buckle Teeth Adjustment

3D Buckle Adjustment

Micro Buckle Adjustment

Canting Adjustment

58 Salomon Boot Technologies

65 Performance Accessories

BOOT CONCEPTS > (continued)

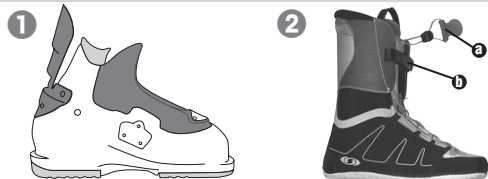
Ellipse / Siam

TECHNICAL DESCRIPTION – ELLIPSE 8

- | | | |
|---|----------------------------------|-------------------------------------|
| 1 Coupé chassis + Energyzer | 5 Auto 3D buckles (shell & cuff) | 9 Adjustable lower leg buckle teeth |
| 2 CustomFit Pro liner with shoe liner + Quicklace | 6 Adjustable rear spoiler | 10 Oversize Sensifit™ |
| 3 Liner wings | 7 Wide strap | 11 Ski / Walk adjustment |
| 4 Step-in strap | 8 3 injected micro alu buckles | 12 Canting |
| | | 13 Walkadin pads |



Specific features



Performance & pleasure

for advanced to expert skiers who are looking for performance and total transmission. Ellipse is the perfect tool for the widest spectrum of performance skiing enthusiasts.

A new generation of Salomon boots designed for the shaped skis and inspired by the evolution of the ski technique.

Coupé chassis Fig. 1

A new chassis construction that is perfectly adapted to the current evolution of skiing:

- The layers of the shell are reinforced laterally to ensure good control and ideal steering.
- The right materials are added in the right places to obtain the best synthesis between comfort and high performance.

Shoe liner + Quicklace Fig. 2

- Perfect foothold adjustment with the Quicklace (a). **IMPORTANT:** Do not pull it too tight. This is only an adjustment. It is best to put your

boot on without tightening the lace on the liner until after a couple of runs down the ski slopes. Indeed, the Quicklace is very efficient and technical.

Tighten it according to your skiing level (if you tighten it too much, like a world cup racer, you may experience discomfort).

- With this new type of liner, you can occasionally walk on packed snow or around the ski resort for short periods of time on smooth terrain. **Caution:** This does not eliminate the risk of slipping.
- Washable liner: Your walking liner can easily be machined washed at 30°C (86°F). After washing, place it 50 cm (20 in.) from a radiator all night to dry.
- Liner adjustment strap (b): This strap provides the liner with a tighter fit in the lower leg area.

Adjustments and personalization > Procedure



Adjustable rear spoiler Fig. 3

Customize the rear support to suit the shape and size of your leg and increase the rear support:

- Loosen the screw with a 5mm Allen wrench.
- Choose the height (The higher the spoiler the stronger the rear support).
- Tighten the screw.

Oversize Sensifit™ Fig. 4

The Oversize Sensifit™, designed with supple material, offers easy entry/exit and an optimum level of comfort.

Ski/Walk adjustment Fig. 5

The easy-to-use SKI/WALK button releases the cuff for relaxing and easy walking.

(Push the button down for the WALK position)

Step in strap Fig. 6

The Step-in strap offers the possibility to put the boot on effortlessly, with only one hand.

ADDITIONAL FEATURES

Advanced Chassis Technology™

Walkadin Pads

Buckle Teeth Adjustment

Auto 3D Buckle Adjustment

Micro Buckle Adjustment

Canting Adjustment

58 Salomon Boot Technologies

65 Performance Accessories

BOOT CONCEPTS > (continued)

Performa / Irony

Specific features

Performance & pleasure

Performa boots are great for skiers who are looking to progress in technique and style.

A 4 buckle overlap construction reinforced by a transmission circuit on the internal side / rearward support / sole.

The anatomical shell and the new liner provide envelopment, warmth and comfort.



Adjustments to adapt the boots to the skier's morphology and his ski progresses.

Shin pillow: (Fig. 1)

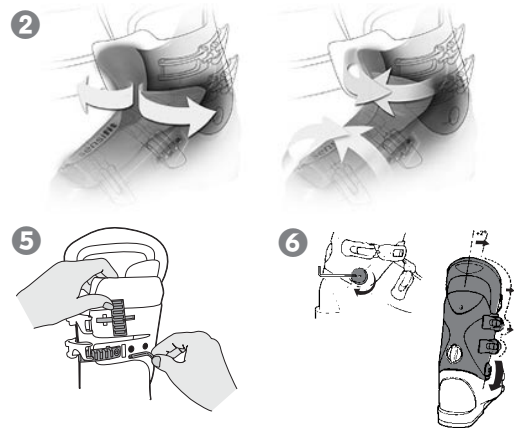
A new vertically opened tongue to go around your shin with air/foam cushioning pads to absorb shocks all day long: a real air bag for your tibia!



TECHNICAL DESCRIPTION – PERFORMA 7.0 CF

- | | | |
|----------------------------------|--------------------------|-------------------------------------|
| 1 Overlap shell | 4 Adjustable rear wedge | 8 Adjustable lower leg buckle teeth |
| 2 Spaceframe technology | 5 Wide strap | 9 Sensifit™ |
| 3 My CustomFit Performance liner | 6 Micro alu buckles | 10 Canting |
| | 7 Extended lever buckles | 11 Walkadin pads |

Adjustments and personalization > Procedure



Sensifit™ 2D (Fig. 2)

The Sensifit™ 2D with 'petal' construction provides the widest opening for putting on and taking off the boot rapidly and effortlessly.

Rear Support (Fig. 3)

Adjust the rear support to suit the shape and size of the skier's leg and increase the support.

- High position: more direct and firmer support.
- Low position: softer and more progressive support.

To adjust the height of the rear support (3 or 4 positions depending on the model):

- Loosen the plate screw with a 5 mm Hexagonal Key.
- Adjust the plate according to the desired height.
- Tighten the screw.

Two extended lever buckles (Fig. 4)

For 30% less effort when closing.

A tool free catches adjustment (Fig. 5)

Upper catches are also adjustable, with or without tools, to adapt the volume of the upper cuff to your calves.

- To move upper catches, turn them 90°, move them laterally (+ 15mm), then place them back to their horizontal position.
- To move lower catches, loosen the screw with a 3mm Allen wrench, position the catches in the desired position (+/- 20mm) and tighten the screw.

Canting (Fig. 6)

Allows alignment of the cuff to the skier's lower leg shape.

To adjust the Canting, turn the adjuster 1/2 turn using a 5 mm Hexagonal Key.

ADDITIONAL FEATURES

Advanced Chassis Technology™
Walkadin Pads

Buckle Teeth Adjustment

Auto 3D Buckle Adjustment

Micro Buckle Adjustment

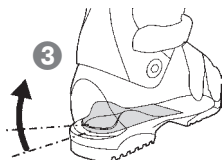
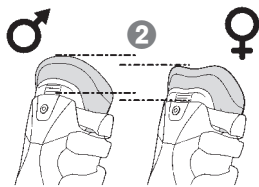
58 Salomon Boot Technologies

65 Performance Accessories

BOOT CONCEPTS > (continued)

Women's Models

Specific Features



Lining (Fig. 1)

All our women's boots are cozy and warm with faux fur or polar fleece lining.

Lower rear support (Fig. 2)

Anatomic cuff with lower rear support for Women's calves, and adjustable soft spoiler for better fit and comfort.

Footboard (Fig. 3)

- Narrower heel pocket to improve heel hold, and increased heel lift providing perfect skiing stance.
- Shock absorbing: filters vibrations for all day comfort.



TECHNICAL DESCRIPTION – IRONY 7.0 CF

- | | | |
|---|-------------------------------------|--------------------------|
| 1 Overlap shell | 3 W adjustable rear wedge | 7 Sensifit 2D |
| 2 W My CustomFit Performance liner - slick fit - specific tongue - polar fleece on forefoot - fur liner | 4 360° strap | 8 Walkadin pads |
| | 5 Micro alu / plastic buckles | 9 W footboard |
| | 6 Adjustable lower leg buckle teeth | 10 Spaceframe technology |

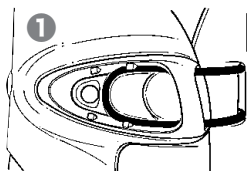
Symbio™ Rental Model

Adjustments and personalization > Procedure

Lower leg adjustment

It is possible to change the lower leg adjustment according to the morphology of the skier's lower leg.

- > **Adjusting the lower leg cable**
- Place the lower leg cable in the desired setting of the buckle teeth on the medial side of the boot. (Fig. 1)



Longer or shorter cables are available from the spare parts catalog to adapt to all shapes and sizes.



SYMBIO 440

- 1 Plastic buckles
- 2 PU Shell
- 3 Replaceable toe and heel pads
- 4 Adjustable lower leg lever
- 5 Thermic liner
- 6 Bar code integrated to the liner

Repairs > Procedure

Replacing the lower leg buckle tooth insert

1. Remove the liner and open the cuff completely.
2. Drill the rivet inside the shell.
3. Remove the damaged buckle tooth insert and its rivet.
4. Put a new buckle tooth insert in place and proceed as follows :

Using a T-nut

- a. Place the threaded insert in the rivet hole on the inside of the boot.

- b. Put the buckle into place and install the screw tightly. The prongs on the threaded insert will prevent the tip of the screw from going too far.
- c. Loosen the screw.
- d. Put the washer into place. This will prevent the tip of the screw from going too far.
- e. Tighten completely.

Using a Rivet. Use a rivet on the outside and a washer inside and proceed with riveting.

Replacing the buckle and/or forefoot buckle teeth

1. Remove the liner.
2. Drill the rivets in the buckle or the damaged buckle teeth.
3. Remove the damaged buckle or the buckle teeth and the rivet. Save the washer.
4. Put in a new buckle or buckle teeth and attach with a rivet or T-nut.

Using a rivet. Use a new rivet and the original washer and proceed with riveting.

Using a T-nut. Put the threaded insert into the rivet hole from the inside of the boot. Put the buckle in place and tighten completely. The prongs on the threaded insert should be completely imbedded in the material.

To remove the liner

Turn the clip on the inside of the liner 1/4 turn with a screwdriver.

ADDITIONAL FEATURES

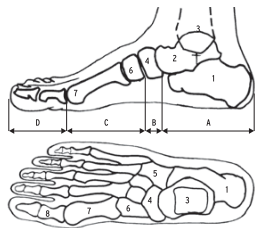
65 Performance Accessories

FOOT ANATOMY AND FIT

Notions of anatomy

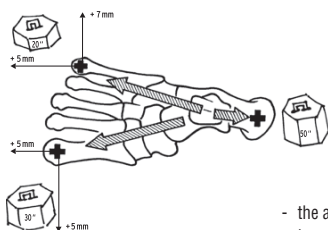
A basic knowledge of anatomy of the foot is essential if you are going to understand and solve your customers' problems and needs since each foot is unique.

The bones of the foot



- A. Posterior tarsus**
 1. Calcaneus
 2. Talus (Astragalus)
 3. Trochlear surface
- B. Anterior tarsus**
 4. Navicular bone (Tarsal Scaphoid)
 5. Cuboid bone
 6. 3 cuneiform bones
- C. Metatarsals**
 7. 5 metatarsal bones
- D. Toes**
 8. 14 phalanges

Distortion of foot when weighted



When the foot is weighted (standing position), it can change in size:

- lengthwise, it can get 5 mm longer,
- widthwise, it can get 12 mm wider.

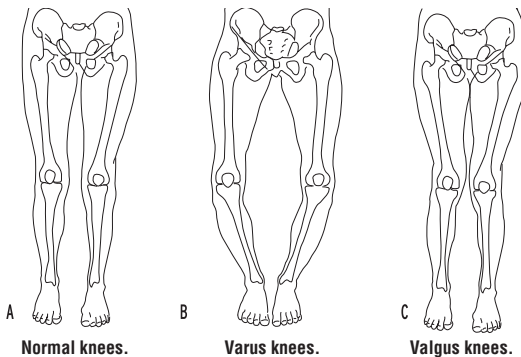
When the foot is flexed, we notice:

- the circumference of the ankle increases about 2 mm,

- the axis between the talus (astragalus) and calcaneus becomes off-centered which increases the surface area at the base of the foot.

Therefore, to be accurate, feet should be measured when the person is standing with his/her weight distributed on both feet and knees slightly flexed.

Types of legs

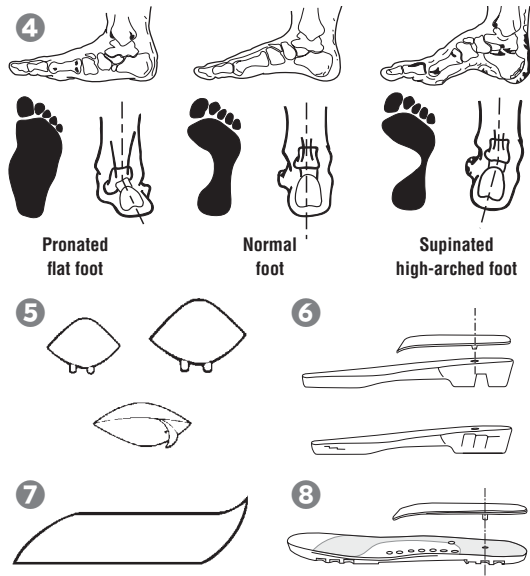


Normal knees.
Some people naturally have varus or valgus knees. The boot cuff follows the profile of the leg. Therefore, the boot sole forms an angle with the ground (i.e.: the ski is not flat).

Varus knees.
The canting adjustment by canting the cuff allows the boot to follow the morphology of the leg to keep skis flat

The ski boots can be adapted to the shape of the leg by canting the cuff.

Types of feet



A deeper analysis of the customer's feet (Fig. 4) is necessary to observe the possible deformations that can become problem areas. Salomon has parts at your disposal that will help you to easily adapt the boots to these deformations.

High arches:
The skier needs an arch support that can relieve pressure on 'overloaded' areas.

Arch supports can be attached to the footboards. (Fig. 5)

Supinated or pronated feet:
This is the deviation of the foot's vertical axis towards the medial or lateral side, which can lead to problems in the areas of the anklebones, navicular bone or talus.

To adapt to this deviation of the foot, it is possible to place wedges directly on the footboard.

However, this wedge should only be used if the lateral articulation under the ankle bone is mobile. (Fig. 6)

High instep:
You can grind the footboard (Falcon and X Wave) to increase the volume. This sole is realized in grindable PU foam. To increase the volume of the boot or to change the position of the foot.

Caution, grind on the top surface only. Grinding the base will effect the interface with the Chassis. A depth gauge is marked front and back for even grinding. (Fig. 7)

Low instep:
The height and inclination of the footboard can be modified by adding:
- heel lifts (Fig. 8)

FOOT ANATOMY AND FIT > Recommendations (continued)

Recommendations & Performance Accessories

The modifications that can be made on the Salomon boots should be considered as the 'final touch' of personalization.

Before undertaking this type of operation, it is important to observe certain basic rules:

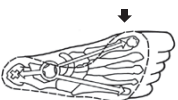

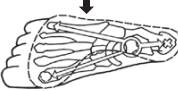

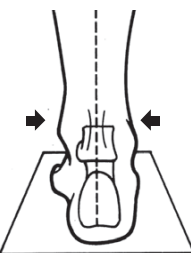

- Always proceed step by step, starting with temporary measures before going on to permanent changes.
- If you decide to proceed with the permanent modifications as a last resort, they are entirely your responsibility.

- They require the proper tools and should be undertaken only for big problems and by experienced specialists. For example:
- Stretching the shell.
 - Grinding the liner (not recommended for manufactured liners).
 - Grinding the shell.

Important: Boots whose lower shell material is not made of Polyurethane (PU), should not be heated (risk of damaging the material).







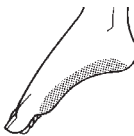

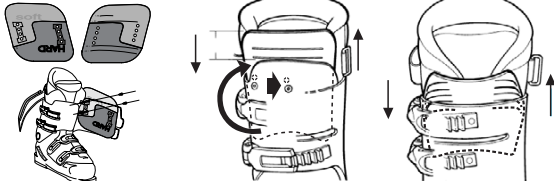
To find out the lower shell material, see **Boot Measurements & Materials** chart on page 54.

Problems, Causes & Solutions Chart

Problems	Causes	Solutions
<p>FIRST METATARSAL PRESSURE (medial side of the forefoot)</p> 	<p>Shell too narrow. Prominent first metatarsal.</p>	<p>Solutions all products:</p> <ul style="list-style-type: none"> › Stick adhesive foam around the first metatarsal on the medial side of the liner. › Stretch the shell locally with a heat gun* and other tools designed for this purpose (such as SIDAS) (except Symbio and Rear Entry). <p>X Wave, Ellipse, Performa: Be careful not to overheat the Sensifit or instep gusset of the boot during the heating operation (there is a risk of deforming it due to how thin this part is).</p> 
<p>FIFTH METATARSAL PRESSURE (lateral side of the forefoot)</p> 	<p>Shell (or liner) too narrow. Prominent fifth metatarsal.</p>	<p>Solutions all products:</p> <ul style="list-style-type: none"> › Remove the insole (increases volume). › Stick adhesive foam around the painful area to dissipate the pressure. › Stretch the shell locally using a heat gun* and other tools designed for this purpose (such as SIDAS) (except Symbio and Rear Entry). <p>X Wave, Performa and Verse: Be careful not to overheat the Sensifit or the instep gusset of the boot during the heating operation (there is a risk of deforming it due to how thin this part is).</p> 
<p>ANKLEBONE PRESSURE Pain/pressure behind one or both ankle bones.</p> 	<p>Prominent medial and lateral ankle bones. Heel shape.</p>	<p>Solutions for Falcon, X Wave, Performa:</p> <p>Special precautions are required when stretching the shell:</p> <ul style="list-style-type: none"> › heat* the inside and outside of the cuff and lower shell simultaneously (so that both will be at the same temperature despite their different thicknesses and layers), › place the stretching device on the inside, close the boot during the stretching operation, and proceed with very small successive degrees of stretching to avoid creating a space between the cuff and the shell. <p>Falcon and X Wave:</p> <p>Be careful not to heat the metal parts (there is a risk of damaging the plastic).</p> <p>Solutions for Rear-Entry models:</p> <ul style="list-style-type: none"> › Remove the insole to increase the volume. › Stick a C-shaped foam pad in the area around the ankle bones (on the liner). › Remove some foam from the liner in the area around the ankle bones. › Add shims to blue heel envelopment plate. 

* **Caution:** The boots whose lower shells aren't made of Polyurethane (PU) must not be stretched with heat (there is a risk of damaging the material). To find out what the lower shell is made of, see **Boot Measurements & Materials** chart on page 54).

FOOT ANATOMY AND FIT > Recommendations (continued)

Problems, Causes & Solutions Chart		
Problems	Causes	Solutions
<p>HEEL PRESSURE</p> 	<p>Lack of room in the boot. Prominent calcaneus (exostosis).</p>	<p>Solutions all products:</p> <ul style="list-style-type: none"> > Stick a chevron (foam pad in the form of an inverted V) above the calcaneus to push the foot forward in the shell and reduce the pressure on the heel. > It is possible to remove some PU from both sides of the Achilles tendon on the cuff (grinding) and/or on the lower shell (Falcon, X Wave, Ellipse and Performa). 
<p>HEEL MOVEMENT</p> 	<p>Very narrow heel. Achilles tendon axis very hollow. Thin ankle.</p>	<p>Solutions all products:</p> <ul style="list-style-type: none"> > Stick a chevron above the calcaneus on the liner. > Stick an L-shaped piece of foam under each ankle bone (for better grip). > Add a shim to the top of the liner (forward position that pushes the foot backward in the boot and increases pressure on the heel). > Use a thicker insole. > Add a shim under the footboard. > Add heel lifts.  
<p>INSULATION AND NUMBNESS Cold, numb feet.</p> 	<p>Poor blood circulation caused by pressure on the blood vessels/ nerves. Poor foothold distribution (especially with children).</p>	<p>Solutions all products:</p> <ul style="list-style-type: none"> > Make sure the adjustments are not too tight. > Remove the insoles from the liners. > Add a small arch support and varus wedge (or a shim on the inside of the heel under the footboard from the performance series). > Grind the footboard.
<p>CRAMPS Muscle pain under the arch, in the calf, pressure points, irritations.</p> 	<p>Pronounced arch, high instep or flat foot. Pronated foot. Thick lower leg.</p>	<p>Solutions all products:</p> <ul style="list-style-type: none"> > Add or remove the arch support. > Add an insole or propose a custom insole. > Remove all shims under the footboard. > Modify the angle of the forward lean to distribute the skier's weight differently. > Grind the footboard. > Grinding the Custom Sole: <p>To increase the volume of the boot or to change the position of the foot. Caution, grind on the top surface only. Grinding the base will affect the interface with the Chassis. A depth gauge is marked front and back for even grinding.</p> 
<p>SHIN BITE</p>	<p>Lack of pressure distribution.</p>	<p>Falcon:</p> <ul style="list-style-type: none"> > Add a shin wedge on the cuff (choose the mounting position according to the height of the skier). 

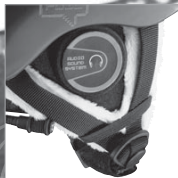
HELMET & POLE

www.salomon.com

► NEW FULL SHELL HELMETS

A helmet designed with racers' needs in mind: the highest level of safety with the lowest level of constraints (full hearing, full vision spectrum and a fully customized fit). Low profile, the Equipe also features a brand new fit and active ventilation. Available from image price points to business price points.

► FREESTYLE



A truly adapted Freestyle offer – lightweight, low profile, and tricked out with all the right features. Introducing our first integrated audio system.



Sticker pack included

► WOMAN



Always one step ahead, our successful women's offer comes back with even more features and appeal for 06.



► FEATURES



For 06 we've reworked our fit and developed all new liners for an optimised fit and guaranteed comfort.

+ MORE VALUE AT KEY PRICE POINTS!

Enriched designs, more detail, and a business wise color palette: safe color versions for quantities, and eye catching color versions to keep our offer unique.



► MATCHING POLES

The best of our technology to complete your ensemble.



HELMET TECHNOLOGY

Helmet Technical Information



Salomon channelled all its experience for your protection and pleasure but don't lose your head!

Our helmets combine our recognized professionalism and pure design to create protection for the senses.

Our comprehensive winter sport helmet range meets applicable helmet standards and uses the unique Advanced Fit Technology design for your comfort and performance.

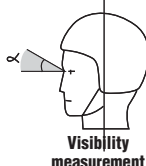
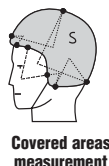
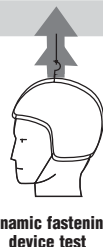
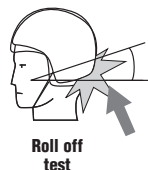
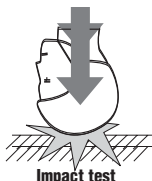
Be smart and protect your head in style.

Helmets don't offer absolute protection, so ride within your limits and take care.



Standards

Examples of the main tests of norms:



Instructions for use and maintenance

- **IMPORTANT:** the helmet must always be fastened on the head (chin strap buckled under the chin).
- Check the adjustment and the condition of your helmet before each use.
- Always take care of your helmet, even when not using it. Store it away from any heat source and sunlight (since prolonged exposure to the sun weakens all plastic materials, it is recommended to replace your helmet at least every 3 years). Let it dry in a ventilated area.
- For cleaning the outside surface of the skull cap, use soap and water only.
- Do not use any type of gasoline products, solvents or any other chemical substances.
- Do not modify the helmet in any way. Do not varnish it or add any coloring products.
- After receiving an impact, the helmet may be damaged to the point that it is no longer adequate to protect the wearer's head against further impacts. Even if the damage is not visible, it is necessary to replace the helmet.

All Salomon helmets respect the following standards :

CE - EN 1077

(helmets for alpine skiers*) -

TÜV certified.

ASTM F2040 (helmets for recreational* snow sports).

* Non motorized winter sports



My Perfect Fit



In order to meet consumer's needs in terms of safety, head hold and comfort Salomon uses two construction technologies: Standard technology and In Mold technology. Both provide performance in terms of resistance, absorption, deflecting impact and resisting penetration.

Standard technology: an external cap made of ABS combined with an internal cap made of EPS. This technology is commonly used by every helmet manufacturer.

In Mold technology: an external PC layer molded together with the EPS cap to provide the best ratio lightness / resistance to the helmet.

Fit foams: All our models are benefiting from specific Fit foams

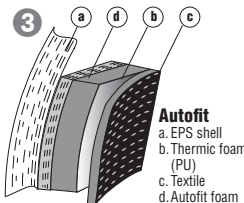


disposed on the anatomical areas to increase head comfort.

Precisionfit (Fig. 1) This system allows a more precise adjustment of the helmet on the head.

OSFA (Fig. 2) With this adjustment system the helmet is covering several sizes: one helmet for sizes 51-55cm and one helmet for sizes 55-58cm.

Autofit (Fig. 3) In addition to exceptional comfort, this liner offers precise envelopment with its self-molding foams located on the sensitive areas of the head. Auto-molding foams allow the liner to take on the shape of the head allowing perfect anatomical adaptation of the head's sensitive areas. The helmet hold is reinforced by this construction.

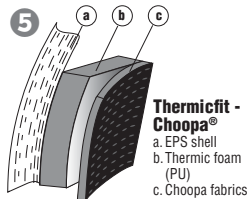
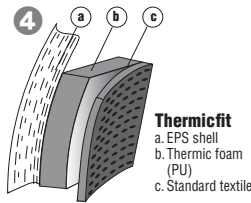


Thermicfit (Fig. 4) Specific construction and materials that guarantee a first impression of comfort + anatomical pre-forming on the sensitive zones of the head (comfortable, anatomical envelopment).

Thermicfit - Choopa® (Fig. 5)

The Choopa fabrics contain AgION™ antimicrobial technology. AgION™ antimicrobial compound combines silver with a naturally occurring inorganic ceramic that permits a continuous and controlled release of ionic silver over an extended period of time.

AgION™ antimicrobial compound has been successfully and cost effectively incorporated into fibers and fabrics with proven effectiveness and safety.



AgION™ antimicrobial compound is registered by the EPA as an antimicrobial additive to be incorporated into many materials to impart antimicrobial activity to the manufactured products. AgION™ antimicrobial compound suppresses the growth of bacteria, algae, fungus, mold and mildew.

HELMET TECHNOLOGY > (continued)

Choosing the right size for your helmet

YOUR SIZE	Head perimeter (cm)	51	52	53	54	55	56	57	58	59	60	61	62
ADULT WOMEN	Diadem PF				XS (54)			M (58)					
	Siam AF					S (56)			L (59)				
	Rush AF												
ADULT MEN	Essential AF / PF				XS (54)			M (58)					
	Focus TF / Foil audio					S (56)			L (59)				
	Equipe Racing* / Equipe PF*												XXL (62)
	Seek PF* / Valdez TF* * No XS size												
JUNIOR	Equipe JR		S (55)										
	Mynx					M (58)							
	Fierce												
Choopa		XXS (52)		XS (54)		S (56)		M (58)					

Choosing your size (see table):

The helmet is a safety product.

To ensure optimal protection, comfort and head hold, the helmet must be chosen in the correct size. To choose the correct size, it is necessary to measure the cranial perimeter of the head in cm (from the forehead to the most prominent back part of the head).

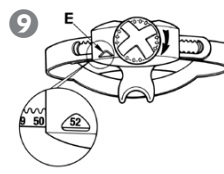
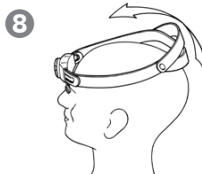
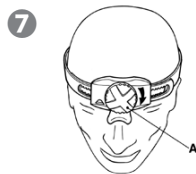
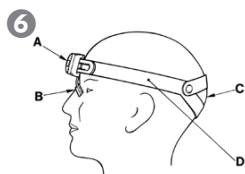
Helmet adjustment:

The helmet must be properly positioned on, and adjusted to the user's head to ensure maximum comfort and protection.

A properly positioned helmet must not be too far forward or backwards on the user's head; the chin strap must always be properly adjusted and in the closed position.

In case of children's helmets, an adult should always check that the helmet is properly secured.

Head Measurer Use & Maintenance



Warning:

Salomon has developed a head measurer that will help you to better serve your customer by being able to recommend the helmet size that corresponds to the circumference of his/her head.

This measurer can be used for all Salomon Alpine and In Line Skate helmets.

Please remember that the size given by the measurer (centimeters) should be used only as an indication to help you orient your customer toward the proper size. The final selection of the appropriate size should be left to the customer.

Using the measurer should never replace trying on the helmet.

The helmet is a safety product: it must be chosen in the size that is suitable to its user and be properly positioned on his/her head (the chin strap adjusted in the closed position) to ensure optimum protection, comfort and hold.

Recommendations for use:

- Loosen the roller (A) to be able to place the measurer easily on the head.
- Position the measurer on the head according to (Fig. 6), touching the brow (B) and the occipital bone (C).

Important: Make sure the headband (D) does not compress the ears, which would affect the measurement.

- Hold the measurer in this position and turn the roller (A) (rotate it clockwise).
- Turn the roller until it disengages (Fig. 7).
- Carefully remove the measurer from the head, pulling the rear upward, while maintaining pressure on the nose (Fig. 8).
- Read the measurement on the graduated scale (E) in the window (Fig. 9).
- Choose the helmet according to the size given by the measurer.
- Try the helmet on. Switch sizes if there is a problem with the fit.

Salomon has provided for stickers that can be put on the head measurer for a better understanding of how to use the roller.

Maintenance recommendations:

To clean the measurer, you can use a cloth with soap and water.

It is prohibited to use chemical products, hot water or pressurized water, gasoline, alcohol, detergents, solvents or aerosols that could permanently damage the plastic materials and erase the markings.

Warning:

Salomon does not cover any damage to the head measurer that is a result of transportation, storage or not abiding by the instructions for use or maintenance.

POLE TECHNOLOGY > (Continued)

Pole Technical Information

Choosing a pole size



- Turn the pole upside down with the tip pointing up,
- Hold the pole right under the basket,
- Your arm will form a right angle (90°) when you have the ideal size.

Maintenance Recommendations

Use a cloth with soap and water to clean the poles. It is prohibited to use chemicals, hot water or pressurized water, gasoline, alcohol, detergents, solvents or aerosols that can permanently damage the plastic materials and erase the cosmetics.

Mounting the replaceable baskets > Procedure

Salomon has made 3 types of replaceable baskets available to you:



- A)** Position the basket according to the two side pins. **Fig. 1&2.** Turn the basket 1/4 times to attach it.
- B)** Mounting: at the same time, screw the basket on and push it towards the handle of the pole. **Fig. 3.** Removing: at the same time, unscrew the basket and pull it toward the tip of the pole.
- C)** Screw the basket on completely until you hear four clicks (wear gloves as a precaution). **Fig. 4**

Benefits of main technical features

- Spaceframe shaft: specific 3D shapes (wing and AHT) for advanced performance: higher resistance and stiffness.
- Bi-material grip:
 - > hard part for precision,
 - > soft part for comfort.
- Racing grip: specifically designed for racers, a closer grip to the pole for higher precision.
- Ultra light foam grip: the best grip if you need lightness and comfort with or without gloves.
- Gripfit: the grip with the best fit and right shapes for less efforts.
- NPS (No Problem Strap): dual side strap, easy to use and with improved comfort.
- Interchangeable baskets: the big one fits off-pists and powder, the small one is more adapted for all other uses.
- Carbide tip: bi-material tip for higher resistance and durability.

Rental Poles

- Salomon designed specific poles for rental adapted to a professional and intense use.
- This warranty will not apply for damages resulting of rental use of poles that was not designed specifically for rental.

Pole Shaft Materials > Technical Features

Aluminium range

- Salomon know-how in aluminium is proven with bindings, ILS and Mavic wheels.
- According to this experience, we defined three levels of strength:

Aluminium Technology by Salomon



40% stronger



15% stronger



Competitive strength/price ratio

Composite range

- We do our pole's shafts the same way that golf companies do their own golf shafts.
- We defined three levels of Carbon grade:

Carbon Technology by Salomon



45% more Carbon



15% more Carbon



Competitive stiffness/strength ratio

Salomon Retail Binding Limited Warranty

Salomon Retail Alpine Bindings are covered under warranty against defects in materials and manufacturing for a period of five years from their date of purchase to the original customer. In the absence of proof-of-purchase, this warranty period will be five years from date of manufacture of the product as indicated by production code. This warranty only covers the defective component, not the full pair or set, i.e., left toe piece, brake, right heel, etc. Abuse and normal wear are not covered by this warranty.

Replacement Procedures

Step One: Verify by customer receipt or production code that the defective component is under warranty. (Warranty claims should be handled through Authorized Dealers to ensure speed and accuracy of product replacement. Please do not refer a customer directly to Salomon.)

Step Two: Call customer service for return authorization number. (There is no longer an express warranty form.)

Step Three: Return the defective set to Salomon with the return authorization number clearly printed on the outside of the package. Return the entire set, unless otherwise instructed by customer service.

Ship the package freight pre-paid to:

USA	Canada
Salomon Service Center 5914 N. Basin Ave. Portland, OR 97217	adidas-Salomon Canada Limited 3545 Thimens Blvd. Saint-Laurent, Quebec H4R 1V5

Upon a dealer's request to Customer Service, a warranty replacement component can be shipped in advance to the dealer before it is inspected at Salomon's Service Center. Salomon will invoice the dealer for the replacement component and issue a credit when the defective component is received and verified. If the defective component exchanged for the advance replacement is not received within 45 days from the issue of the Return Authorization Number, or proves not to be defective, no credit will be issued for the replacement product.

Step Four: Salomon will ship the replacement product to the dealer, surface freight pre-paid, after verification of the defect.

Salomon Service Center

In the event an unusual situation is encountered or a technical question arises please call the Salomon Service Center at:

USA 1-800-654-2668

CAN 1-800-361-3398 ext. 1142

Mechanical Inspection Failures

Normal wear is expected with the use of a product. Should a component fail a mechanical inspection (measured release values that fall outside the "In-Use Range") within its warranty period, include the following information with the returned component.

- Description of inspection that the component failed.
- Brand of test device and date of most recent calibration.
- Skier Code and visual indicator setting.
- Boot brand, model and sole length.
- All measured release values and name of the technician.

Every Salomon binding component is precision tested to assure its accuracy during manufacture. It is extremely rare that a component would be out of calibration unless there is visible damage. All bindings returned due to mechanical testing failures are inspected. No replacement product will be issued unless all required information is included with the product.

Product Age Verification

Verification that the product is within the warranty period can be made in the following two ways:

1. Customer receipt indicating product was purchased within the last five years.
2. Component production code* indicating manufacture of product within last five years.

NOTE

* All Salomon binding components are stamped with a two- or three-digit code upon their final production to indicate month and year of production. Normally, codes are a letter followed by a number, with the letter indicating month of production. Each number corresponds to the actual year of production, i.e., 1 would indicate 2001, 2 would indicate 2002, etc. To simplify the warranty process, product age is determined by the year of production only. Retail bindings with a production code indicating that the bindings were manufactured in 2002 (e.g., A2, M2) will be warranted until the end of the 2006/2007 ski season. Production codes are stamped in various places on all binding components.

Salomon Alpine Skis, Snowblade & Boot Warranty

Salomon alpine skis, Snowblade and boots are warranted for a period of 2 years from date of original purchase.

To determine the period covered by the warranty, the customer has to show the sales receipt.

The **Salomon Snowblade warranty** can only function if the customer presents the **Snowblade unit** to the dealer as it was sold (ski and binding). If not, the warranty cannot be honored.

Salomon Pilot set warranty

The skis are covered for 2 years from the date of original purchase.

The bindings are covered by a 5 years warranty from the date of original purchase.

Ski: if there is a problem that is covered by the warranty (breakage, pulled edge...) that occurs during the warranty period (2 years), Salomon will replace either the **Ski + Binding unit** or the **Ski Only** at our discretion.

Binding: if there is a problem that is covered by the Salomon warranty (breakage, binding pulled-out...) that occurs during the warranty period (5 years), Salomon will replace the **Ski + Binding unit**, except if the damage concerns the brake or the AFD plate. In this case, Salomon will replace the defective part(s) with spare parts.

Salomon's only liability as regards this warranty will be to repair or replace the

defective product with a model or pair within the limits of available stock.

These warranties cover skis, Snowblade, bindings against manufacturing defects.

However, these warranties do not cover damage resulting from transport, handling, storage, failure by the cli-

ent to follow the instructions for use, modification of the product or normal wear and tear.

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

Ski problems not covered by the warranty

Problems	Solutions
Bent skis	Contact subsidiary for more information
Top surface	Can be repaired
Tip protector	Can be repaired with spare parts
Tail protector	Cannot be repaired
Running surface	Can be repaired
Binding pull-out	Can be repaired with inserts
Pulled edge	Can be repaired

For all other problems, contact the subsidiary Customer Service.

Salomon Helmet & Alpine Pole Warranty

Salomon helmets and poles are guaranteed against defects in materials and manufacturing for a period of one year from their date of purchase*.

This warranty only covers the defective components. Claims arising from improper storage of product, modification, abuse and normal wear are not covered

by this warranty. This warranty applies only to products sold by an Authorized Salomon Dealer. For warranty service, present the defective helmet with the original sales receipt to your nearest Authorized Salomon Dealer.

* This warranty may vary in some countries.

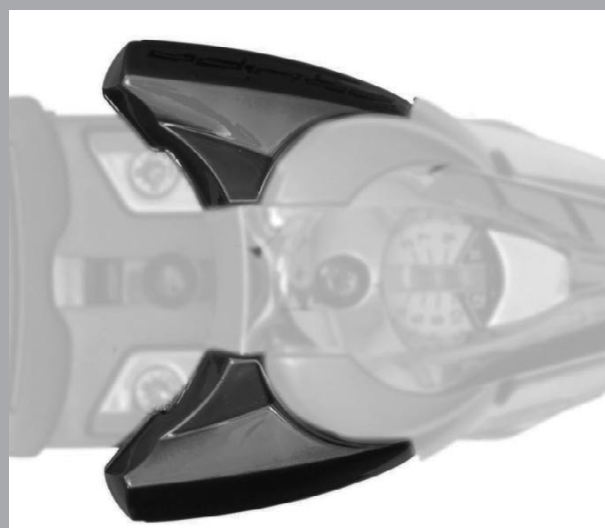
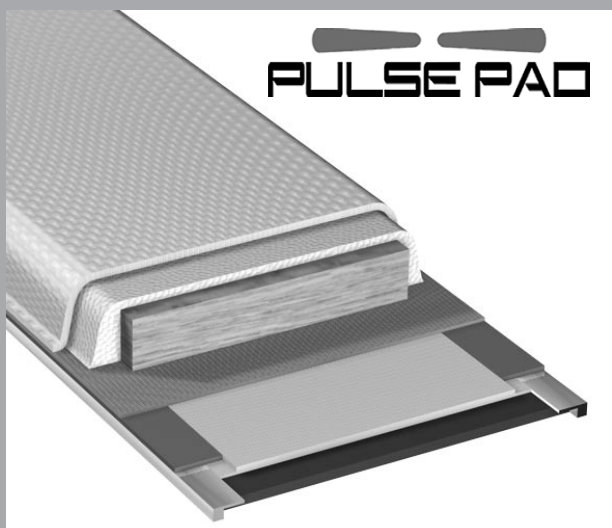
Salomon's only liability regarding this warranty will be to repair or replace the defective product with a model in an available version.

Warning:

The Salomon helmets are designed only for the following activities: ski, snowboard and skiboard (Snowblade®).

They are not designed to be used on motorbikes or for other sports, mechanical or not.

The Alpine Salomon poles are designed for crosscountry or downhill skiing only, except for the adjustable poles that can be used for downhill skiing and hiking.



Salomon North America
5055 NORTH GREELEY AVE.
PORTLAND, OREGON 97217 USA
1 (800) 225-6850
www.salomoncertification.com

Salomon Canada Sports
SALOMON CANADA SPORTS
2700 14TH AVE UNIT 1-4
MARKHAM, ON L3R 0J1
www.salomonhookup.ca

