

# INSTALLATION- and OPERATING INSTRUCTIONS



**Safety  
through  
Technology**

Edition 04/2002  
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USA / 1 / R

**Patents  
granted in**

DE 3 735 077  
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I 1 207 344  
USA 4 854 608

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**SCHROTH asm harnessbelts**

**Rallye 3**

**Rallye 4**

**Rallye Cross**


This manual contains important information as well as **WARNINGS, CAUTIONS and NOTES** regarding the proper installation, effective use and maintenance of the SCHROTH harnessbelt. Please be sure to read and thoroughly understand its contents before beginning installation and before using the system. Follow all instructions and Notes carefully and be especially sure to heed all Warnings and Cautions.

Always keep this manual in your car for reference and be sure to leave it with the car if you sell it with the harness belt system installed. If you lose the manual please write Schroth Restraint Systems in Germany or your importer and request a free replacement.

Warnings look like this:

**W A R N I N G !**


**WARNINGS deal with important points about installation, misuse or modification of the harness belt system. Ignoring these Warnings will create serious danger for you which can lead to serious personal injury or death.**



Cautions look like this:

**CAUTION!**


**CAUTIONS deal with important points to observe to prevent damage to your harness belt system or to your car. Damage to either can reduce the effectiveness of the system or lead to expensive repairs.**



Notes look like this:

**Note:**

Notes contain important tips to help you install effectively use and maintain the harness belt system.



## INSTALLATION ACCESSORIES

Color key:

black=0, blue=1, red=2, yellow=3, pink=4, purple=5, mint=7

The **X** in PINs must be substituted by the color key of the color you want to order!

Shoulder belt pads, pair of (blue, red, yellow, pink, purple, mint)	black other colors	00109 <b>0X109</b>
--	--------------------------	-----------------------

Adjusting grips for length adjuster, 4 pcs./package		00092
---	--	-------

## SPARE PARTS

Side belt for Rallye 3 and Rallye 4 (blue, red, yellow, purple)	black other colors	01120 0112X
--	--------------------------	----------------

Side belt for off-road vehicles (blue, red, yellow, pink, purple, mint)	black other colors	01150 0115X
--	--------------------------	----------------

Side belt for two bolt installation at buckle anchorage of stock belt	black other colors	01160 0116X
---	--------------------------	----------------

(blue, red, yellow, pink, purple, mint)  
(refers to index 12) of Vehicle Reference List

Tail strap for Rallye 3 (blue, red, yellow, purple)	black other colors	01130 0113X
--	--------------------------	----------------

Tail strap for Rallye 4 (blue, red, yellow, purple)	black other colors	01140 0114X
--	--------------------------	----------------

Installation kit for Rallye 3		01099
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Installation kit for Rallye 4 and Rallye Cross		01094
--	--	-------

Installation kit, BMW 3 series E36 <small>(refers to index 19) of Vehicle Reference List</small>		00095
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Cover for adjuster inclusive retainer		01084
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Slide cover and spring for separation buckle		00087
--	--	-------

Operating- and Installation Instructions		EA2.3
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Transparent interior sticker		W26ST
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We reserve the right to incorporate any technical changes or further development in this product without notice.

Printed in Germany

**SCHROTH**

## INSTALLATION and OPERATING INSTRUCTIONS

If you need additional information or have any comments or questions about the SCHROTH asm harnessbelts, please contact your dealer or the importer or visit our Homepage.

<http://www.schroth.com>



Harnessbelt System US-models

Tested in accordance with applicable provisions of FMVSS 209



Imported by:

**MDI Inc.**

3 First Avenue  
Peabody, MA 01960

Toll Free (888) 536-8550  
Phone (978) 532-1145  
Fax (978) 532-2016

**Call (800) 884-BELT**  
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Peabody, MA 01960

Phone (978) 532-1145  
Fax (978) 532-2016  
Toll Free (888) 536-8550

### REMEMBER:

**For safety's sake, always buckle up.**

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The SCHROTH<sup>®</sup> asm safety system is patented in several European countries, the United States and Japan.

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### Congratulations!

With the purchase of this SCHROTH asm harnessbelt, you have chosen a sophisticated restraint system which represents a further advance in harness restraint technology. Extensive research, testing and field experience has shown it to offer, when properly installed and worn, high levels of protection in head-on collisions.

SCHROTH harnessbelt systems are only intended for installation at the left and right outboard front seating positions of passenger cars which have been specifically evaluated by SCHROTH engineers for anchor point locations and suitability of available front seats.

Before attempting installation, please first answer the following questions and carefully follow the instructions which accompany them.

#### WARNING!

**Restraint systems can only offer protection if they are properly installed and used.**  
**To assure proper function, your car must meet special technical requirements.**  
**Before installation of SCHROTH harnessbelt, please answer a few very important questions to make sure the SCHROTH harnessbelt system can be properly installed and effectively used in your car.**

1. Is your vehicle listed in the Vehicle Reference List? (See yellow pages.)

Compare your car's specifications to the Make, Type No. and Model Year of vehicle in the Vehicle Reference List.

YES  NO

#### WARNING!

**Proper harness belt geometry requires that seat belt anchor points be located within narrowly defined areas. Therefore SCHROTH harnessbelts may only be installed in SCHROTH approved vehicles for which**

**proper anchorage location and belt geometry has  
been determined to exist.**

2. Are there openings between the backrest and the headrest of the seat? (See illustration below.)

YES  NO

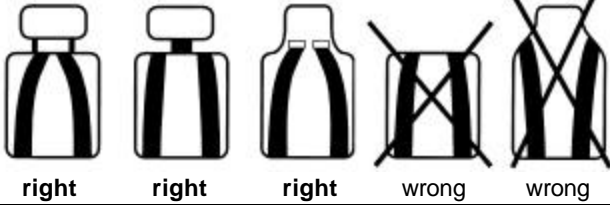
system, take this manual and all parts supplied to a competent mechanic for installation.

2

**WARNING!**



**Harness belt systems will not function properly and must not be installed in vehicles equipped with seats having no headrests, or backrests with integrated head restraints (no openings exist between the backrest and the headrest). Never create new opening in factory installed seats cars.**



3. If you intend to install the tail straps of the SCHROTH harnessbelt system at the rear seat lap belt anchor point (The only approved installation points for the Rallye 4 and Rallye Cross),

a. have you made sure that the Vehicle Reference List allows or requires you to do so?

YES  NO

b. is your vehicle equipped with a SCHROTH approved seat? (see Vehicle Reference List and Legend on yellow pages)

YES  NO

**WARNING!**



**Installation to anchor points located lower than the front seat backrest with an unapproved seat can result in serious personal injury or death. Never install the SCHROTH harnessbelt at these lower anchor points unless it is used with an approved seat. (See index in Vehicle Reference List.)**

4. Do you have a left belt for the driver's side and/or a right belt for the passenger's side? (See illustrations on page 4.)

YES  NO

**WARNING!**



**Left and right belts are not interchangeable! Installation of harness belts on wrong side of vehicle can cause severe head injury or death during rebound phase of frontal collision! Make sure black asm-cartridge is on inboard strap, see illustrations on page 4.**

5. For certain vehicles special mounting accessories are required. (See Vehicle Reference List.)

If required for your vehicle: do you now have them available for installation?

YES  NO

If you answer any question with [NO], do not install the SCHROTH harnessbelt system.

Do not install the SCHROTH system in your car unless it is possible to make SCHROTH approved modifications which allow you to answer all questions with [YES].

If you have answered **ALL** questions with [YES], you may install the SCHROTH harnessbelt system in your car.

Please remember that installation procedures will require you to perform a variety of operations requiring familiarity with tools and mechanical procedures. If you have any doubt about your ability to properly install the SCHROTH asm harnessbelt

**1. Inspection**

Check the safety belt once a month for any damage. Cuts, tears and other damage to the belt will greatly reduce its effectiveness. Replace the belt or damaged parts immediately with original spare parts (see page 21, Spare Parts). Never use a damaged harness belt. If there is any visible damage use your standard factory 3point belts until repairs can be completed.

Make sure the buckles are free of any obstruction and lock securely.



**W A R N I N G !**

**Modified belts or such belts which have been re sewn are not strong enough and are dangerous in an accident.**

**Never modify, disassemble or repair the belts yourself.**

**For parts which can be replaced, use only original SCHROTH spare parts.**

**Only original SCHROTH accessories may be used with the harness belt system.**

**Use of non-authorized parts and accessories can reduce the effectiveness of the harness belt system.**

**Note:**

Any changes made to the belt will automatically void the warranty.



**W A R N I N G !**

**Never use any restraint system which does not function properly.**

**If questions arise, immediately contact your importer or the manufacturer!**

**2 Accident**

**W A R N I N G !**

**A safety belt which was in use during an accident has been weakened and is unfit for further use and must be replaced!**

**Note:**

One indication that the belt was exposed to excess strain and therefore requires replacement is when the stitches on the belt are ripped open and are protruding from underneath the asm-plastic cover.



**W A R N I N G !**

**A restitched asm seam is dangerous. The asm energy conversion device may not be restitched under any circumstances.**

After an accident, in addition to replacing seat belts which were in use, also be sure to ask your car dealer to carefully check all seatbelt attachment points for deformation or cracks. Always make sure that the guidelines of the car manufacturer are followed if a repair is necessary.

**3 Cleaning**

To clean the belt, use soap and warm water. Do not use any solvents! Do not dry the belt in the sun or near a radiator.



**W A R N I N G !**

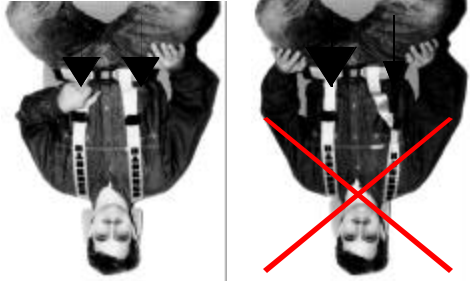
**Improper cleaning or drying of the harness belts can weaken them, reduce their effectiveness and can result in serious personal injury or death.**

**Note:**



In order to get the tightest fit of the lap belt, we recommend that you move your seat back a little, adjust the length of your belt as described above and move the seat forward to its normal position. This will help to tighten the lap belt even more. This recommendation does not apply when **both** attachment points of the lap belt are mounted directly to a seat on a sliding track and runner system - only if one attachment point is directly to the floor or frame rail.

- b) Adjust the length of the inboard shoulder belt until both belts exert equal pressure against the upper torso.



Equal pressure  
**RIGHT**

**WRONG**

**8 Use of the rear seats**



**WARNING !**

**Never wear the SCHROTH harnessbelt if any rear seating position is occupied. When rear seat passengers are present only use original equipment 3-point belts.**

**Rear seat occupants could interact with the tail strap of the SCHROTH harnessbelt during an accident causing serious injury to both front and rear seat occupants.**



**Right way**

**Wrong way**

**Right way**

**Note:**



As a constant reminder, the enclosed transparent sticker must be attached to the rear side window in a prominent place. The sticker cannot be removed without damage to chromate tinted glass. On some vehicles, you may affix the transparent sticker at a different, prominent location so that it will serve as a constant reminder.

**9 Stowing the belts when not in use**

If you use the stock 3-point belt instead of the SCHROTH harnessbelt, be sure to properly stow the SCHROTH harness belt.

Buckle the lap belt in the space between the backrest and the seat. This prevents the belt from being pinched by the door, the seat tracks or backrest adjustment mechanism and also helps prevent the belt from being soiled. Release the separation buckle on the tail strap of the Rallye 3 or Rallye 4 harness belt system and stow the tail straps in the space between the base of the rear backrest and the seat bottom.

**CAUTION!**

Please follow these instructions carefully while installing, and before using the belt! Failure to follow instructions can not only damage and reduce the performance of the system, but may also result in the denial of warranty claims.

**Note:**

SCHROTH asm harnessbelts are designed to be installed in addition to the stock restraint systems. Always heed State laws governing the wearing of seat belts.

**WARNING!**

When using the SCHROTH harness belt be sure that there is no interference between the SCHROTH tail strap and any cargo or a folding rear seat.

This SCHROTH asm harnessbelt is only suitable for adults in front outboard seating positions.

SCHROTH asm harnessbelts are not intended or suited for use by children under 12 years of age, or persons who weigh less than 88 lbs (40 kg), or those who are less than 4'11" tall (1,50 meters), regardless of age. Such persons will not be adequately protected by the harness system and may receive more severe injury than would otherwise be expected.

SCHROTH U.S. model harnessbelts have been tested in accordance with performance parameters of Federal Motor Vehicle Safety Standard 209 with the exception of Paragraph S 4.6 (full scale impact testing as described in FMVSS 208). FMVSS 209 deals with lap and three point restraints and does not expressly refer to harness belts. SCHROTH has nevertheless applied the performance criteria specified in FMVSS 209 to the system to the extent applicable.

These belts, when properly installed and used according to applicable instructions can mitigate injury. The ability of any restraint system to mitigate or prevent injury is directly related to the type and severity of the accident. SCHROTH asm harnessbelts have been tested in dynamic sled tests utilizing a 75 kg (165 lbs) Hybrid II anthropometric dummy to simulate head-on collisions at 50 km/h (31 mph). They also have been dynamically tested utilizing a 75 kg mass dummy in accordance with European Safety Standard ECE-R 16.04.

**Note:**

Always keep this manual in the vehicle so that others can thoroughly familiarize themselves with the proper use of the system.

# INSTALLATION

## 1 General Instructions

Always leave original equipment seat belts in place and available for use.

We strongly recommend that you leave the factory installed 3-point restraint system originally supplied for the front seating positions of your vehicle as well as those systems originally installed for the rear seating positions in place when you install the SCHROTH asm harnessbelt. Removal of original equipment restraint systems may also violate applicable State or Federal law.

To carry rear seat passengers, you must use your standard 3-point factory provided seat belts. To use the factory installed seat belts after a SCHROTH Rallye 3 or Rallye 4 belt has been installed you must first release the SCHROTH separation buckle that connects the shoulder belts to the rear tail strap.

Leaving original equipment systems in place and fully functional will enable you choose either the SCHROTH Rallye 3/Rallye 4 OR to use the vehicle's standard seat belts when it is necessary to transport passengers in any of the rear seats or when either harness belt is not suited for use by the driver or front seat passenger.

SCHROTH Rallye Cross harnessbelts must only be installed in vehicles where rear seat occupation is not intended at any time. Rallye Cross harnessbelts do not offer a separation buckle for the rear cross over shoulder straps and therefore severely restrict access to the rear seat once installed. On 2-door vehicles the folding front seat backrests will be restricted in their range of motion. Therefore evacuation and rescue of rear seat passengers can be impossible after an accident. Heed all WARNINGS!

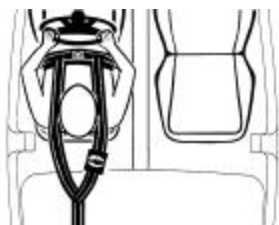
### WARNING!

On 2-door vehicles the folding front seat backrest will be restricted in their range of motion. Evacuation or rescue of rear seat passenger can be restricted or even impossible after an accident and severe injuries or death may occur.

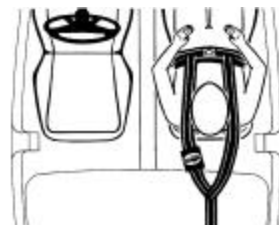


### WARNING!

Separate SCHROTH asm harnessbelts are supplied for the left and right sides. Black asm cartridge must be on the inboard shoulder strap when system is installed (see illustration). Never install belt on wrong side of vehicle. System will not function properly in an accident and serious injury or death may occur.



left belt



right belt

- After choosing the correct seating position, put the belt on and adjust the lap belt so it fits tightly in the bend between the pelvic crest and the upper thigh. The release buckle should be located in the center in front of your body. If necessary, lengthen the tail strap first.
- Next adjust the shoulder belts: Make sure there is approx. 4 inches (10 cm) of loose belt protruding from each shoulder belt adjuster.
- Now adjust the tail strap at its adjuster so it runs in a straight line to the back without sagging. Use the plastic slider on the tail strap to tighten the loose end of the strap. This will prevent the belt loosening because of vibrations while driving.
- One of the two shoulder belts should now be tight against the shoulder, the other shoulder belt should be looser.
- Tighten the looser shoulder belt until both shoulder belts have the same pressure over the shoulders and in the chest area.

Make sure the shoulder straps are properly adjusted whenever the SCHROTH harnessbelt is worn. For lap belt adjustment see following paragraph.

## 7 Putting on the belt

- After choosing the correct seating position, put the belt on and adjust the lap belt so it fits tightly in the bend between the pelvic crest and the upper thigh. The release buckle should be located in the center in front of your body.



close buckle



tighten lap belt

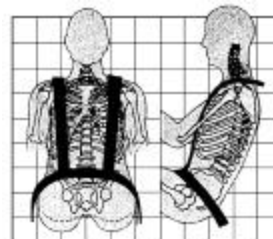


WRONG

### WARNING!

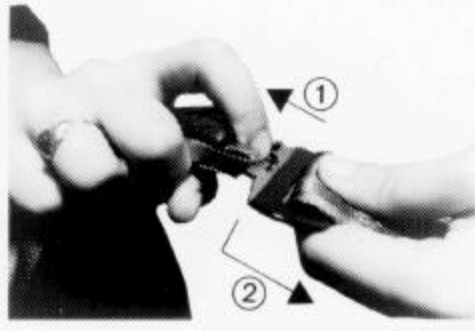
Improper fit of any lap belt can cause serious personal injury or death.

- \* ALWAYS make sure that the lap belt is tightly adjusted. A lap belt in a harness or 3-point system which is too loose will impair the performance of the system.
- \* The lap belt must fit tightly in the bend between the pelvic crest and the upper thigh!
- \* Make sure belt is properly adjusted when a different person uses the belt or each time the seat is readjusted. (Heed WARNING on adjuster.)





**To open:** Slide the plastic cover in the direction of the arrow to the stop (1). Tilt the latch downwards and remove it from the buckle (2).



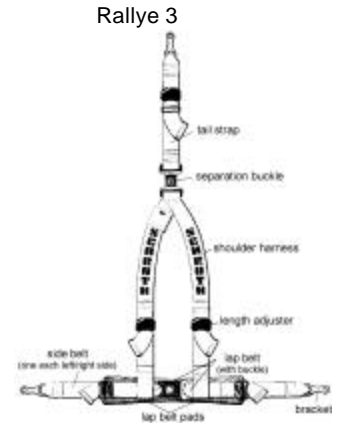
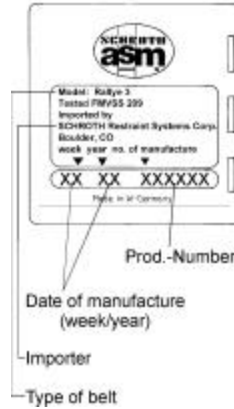
Belts must not have any sag.

The tail strap must not be misdirected by upholstery or the rear seat cushions.

**The headrest is properly adjusted and the shoulder belts can move freely without slack.**

16

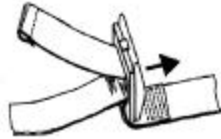
**PACKAGE CONTENTS**



**5 How to adjust the belt**

5.1 to lengthen the belt

Hold the adjuster at right angles - 90° - to the belt and pull in direction of the arrow (see illustration beside).



5.2 to shorten the belt

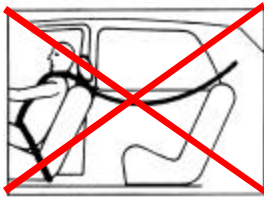
Pull the end of the strap in direction of the arrow (see illustration beside).



SCHROTH offers accessory adjusting grips which can make the adjustment even more convenient (see page 21, Accessories).

**6 Adjustment of the headrest and initial adjustment of the tail straps**

6.1 Tail straps installed at anchor point "C"



wrong way

The shoulder belts must not sag or be pulled downwards. Movement of the shoulder belts must not be restricted by headrests.

right way

**The headrest is properly adjusted and the shoulder belts can move freely without slack.**

6.2 Tail straps installed at anchor point "D" and "E"



wrong way

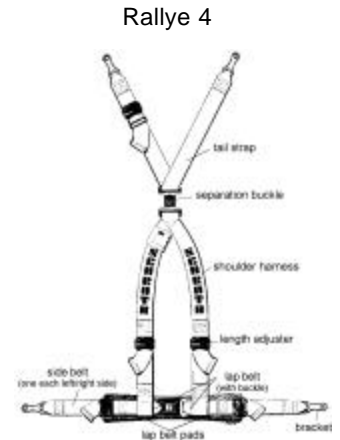
wrong way

right way

**Installation hardware**

**Rallye 3:**

- Bolt 7/16", length 1½" 1x
- Bolt 7/16", length 1" 2x
- Spacer sleeve 1x
- Spring washer 3x
- Transparent Sticker (indoor) 1x
- SCHROTH asm sticker 1x
- Registration card 1x



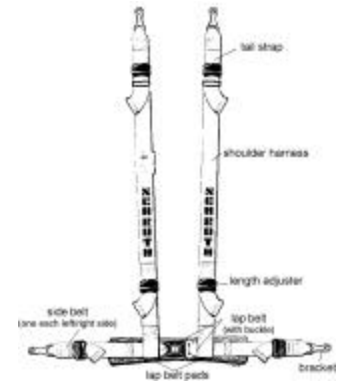
**Rallye 4:**

- Bolt 7/16", length 1½" 1x
- Bolt 7/16", length 1" 3x
- Spring washer 4x
- Transparent Sticker (indoor) 1x
- SCHROTH asm sticker 1x
- Registration card 1x

**Rallye Cross (bolt-in)**

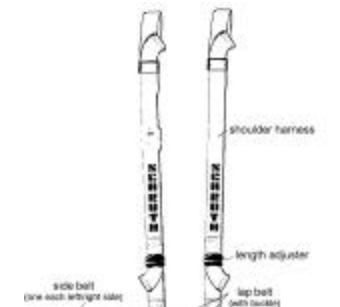
**Rallye Cross (bolt in)**

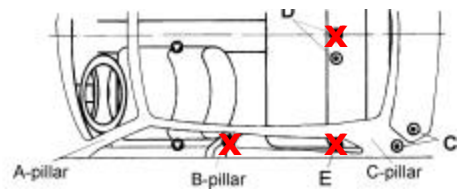
- Bolt 7/16", length 1½" 1x
- olt 7/16", length 1" 3x
- Spring washer 4x
- Transparent Sticker (indoor) 1x
- SCHROTH asm sticker 1x
- Registration card 1x



**Rallye Cross (wrap around)**

- Bolt 7/16", length 1" 2x
- Rallye Cross (wrap around) 1x
- Spring washer 2x
- Transparent Sticker (indoor) 1x
- SCHROTH asm sticker 1x
- Registration card 1x





**WARNING!**



Use of improper attachment points will impair system performance.

Weak tail strap anchor points will not withstand the forces in an accident and increase the risk of personal injury in an accident.

Never attach the tail strap to anchorages intended for the tether straps of child seats which are found on the filler panels behind the rear seats of some passenger cars or the luggage area of some hatchbacks or station wagons. These anchor points are not strong enough to withstand the forces of an accident and are not intended for adult safety belts.

Harness belt systems may only be installed at suitable anchor points for seat belt systems as originally installed by the vehicle manufacturer.

For suitable anchor points for make, model and model year of your vehicle, see Vehicle Reference List. If in doubt, ask your dealer to show you where these anchor points are located.

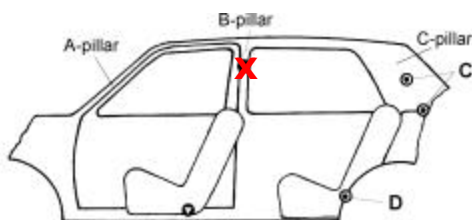
These figures show the general location and suitability of seat belt anchor points installed as standard equipment in passenger cars.

**Rallye 3 only:**

- Not suitable for attachment of a SCHROTH Rallye 3.
- Must be used for the attachment of the lap belt portion of the harness belt.
- Suitability for tail strap anchorage of Rallye 3 depends upon the specific make, model and model year of the vehicle. Never install the tail strap at the anchor point "D" unless it is used with an approved seat. (See index in Vehicle Reference List.)

**SIDE VIEW**

Figure 1



**OVERHEAD VIEW**

Figure 2

**2 Adjustment of the seating position**

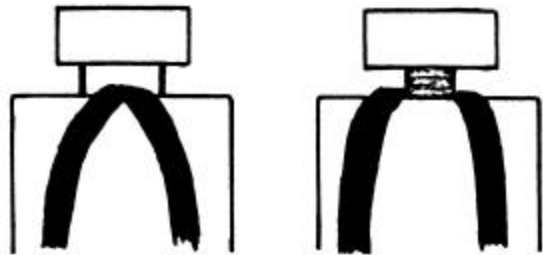
Choose your most comfortable seating position for safe driving.

Driving and safety instructors recommend:

"Select your seating position in the vehicle so that you can fully grip the upper edge of the steering wheel with your elbow still slightly bent and without moving your upper body from the seatback. With the clutch (automatic transmission-brake) fully depressed your knee should still be slightly bent."

Remember: A "laid back" seating position might look 'cool', but does not contribute in any way to better or safer handling of your vehicle! No racing or rallye driver is "laid back" in his vehicle!

**3 Routing of the shoulder belts**



Distance between headrest guides min. 4¾" (120 mm).

If there is only one headrest post or if the distance between 2 posts is less than 4¾" (120 mm).

**Note:**

For vehicles equipped with stock seats not suitable for use with harness belt systems, special seats are required. See Vehicle Reference List.



**4 How to close and release the buckles**

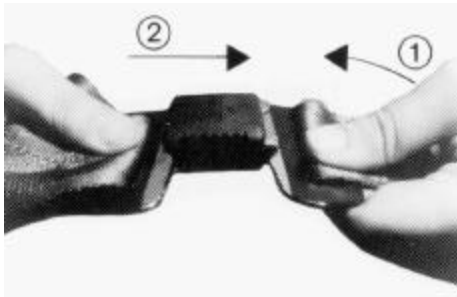
**4.1 Lap belt buckle**

To close: Insert the latch into the buckle until you can hear a distinct clicking sound.

To open: Depressing the red button marked "PRESS" will open the buckle.

**4.2 Buckle between tail strap and shoulder belts (separation buckle). Refers to Rallye 3 and Rallye 4 models only.**

**To close:** Insert the latch under-neath the plastic cover until it locks in (1) and the plastic cover slides back into its normal position (2).



Driver and passenger seats are equipped with SCHROTH Rallye Cross harnessbelts. Note the absence of a separation buckle. Rear seat occupants are not allowed with such a configuration.



**WARNING!**

Improper use of any seatbelt can cause serious personal injury or death. To help reduce the risk of serious injury in an accident:

- \* Never strap more than one person in place, with each harness system.
- \* Never wear the harness system at the same time as the original equipment seat belts.
- \* Never use the lap belt portion of the harness system without the shoulder belts.
- \* Always make sure that lap belt and shoulder belts are not twisted when worn.
- \* Never use the harness belt system for children under the age of 12 years or to install an infant seat or child seat.
- \* Never use the harness belt system for persons who weigh less than 88 lbs or those who are less than 4'11" tall, regardless of age.



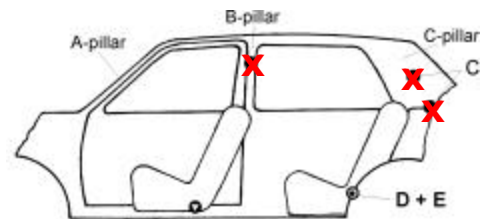
- \* Always wear the lap belt portion of the harness system low and tight across the pelvis. This is also recommended for the stock 3-point belt whenever it is worn.
- \* Never wear the belts over heavy clothing as it can interfere with proper positioning and adjustment of the belts, reducing the overall effectiveness of the system.
- \* Never wear the belts over rigid or breakable objects in or on your clothing, such as eye glasses, pens, cell phones, jewelry, keys etc. as these may cause injury.
- \* Never allow lap or shoulder belts to rub against sharp objects.
- \* Never allow the belts to be damaged by becoming caught in door or seat hardware.

**Rallye 4 and Rallye Cross only:**

- ✗ Not suitable for attachment of a SCHROTH Rallye 4 and Rallye Cross.
- ⊙ Must be used for the attachment of the lap belt portion of the harness belt.
- ⊙ Suitability for tailstrap anchorage of Rallye 4 and Rallye Cross depends upon the specific make, model and model year of the vehicle. Never install the harness belt unless it is used with an approved seat. (See index in Vehicle Reference List.)

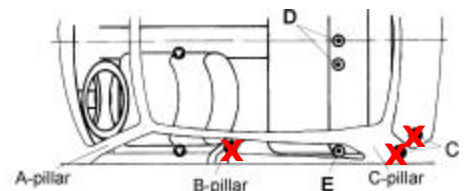
**SIDE VIEW**

Figure 1



**OVERHEAD VIEW**

Figure 2



**WARNING!**

Never drill or tap or make a new attachment point in the body or chassis in order to mount a SCHROTH harness at that location. Such attachment points are inadequate, may be improperly located and can seriously impair the function and effectiveness of the system.



Please compare the possible mounting locations on your car with the illustrations on pages 6/7 and pick the one that you find most suitable.

Original equipment belts with swivel attachments must never be bent, modified, impeded or restricted in their range of motion.

## 2 Anchorage bolts

Bolts used to attach original equipment seatbelts may be used to attach the SCHROTH asm harnessbelt if they are long enough. You must be able to tighten each bolt a minimum of nine (9) full 360 degree turns. If the bolt is too short, choose one of the SCHROTH supplied bolts. (Read and observe the following Warning!) Tightening torque for all bolts: 30 ftlbs (40 Nm)

### WARNING!

**A bolt which sticks out too far might damage the chassis, the fuel tank, fuel lines, brake lines or other important vehicle components. Make sure enough space is available behind the thread before screwing in the 1½inch (38 mm) long bolt.**



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## 3 Installation of the lap belt



When mounting the lap belt in a car equipped with a racing seat and integrated (non adjustable) headrests thread the belt through the openings as illustrated.

### 3.1 Re-assembling the length adjuster

### WARNING!

**We do not recommend disassembly the length adjuster during installation process. It is possible to run the harness belt through the openings in racing seats without disassembling the harnessbelt.**



If for any reason the length adjuster is disassembled, strictly follow the procedure step by step as described below to re-assemble the adjuster.



Figure A:

Fold the strap to a loop and insert it upwards throughout the metal frame and turn the loop as indicated.

### Note:

The strap part protruding from the adjuster for further adjustment [1] must be located above the stress taking strap [2].



Figure B:

Position the plastic cover on top of the loop and insert the metal retainer [3] through the guides of the plastic cover and the strap loop.



Figure C:

Keep the metal retainer positioned between your thumb and forefinger. Slide the plastic cover backwards onto the metal frame as indicated until both ratchets [4] locks with a distinct clicking sound into the deepenings at the metal frame.

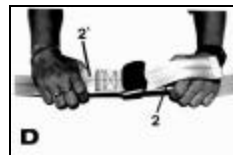
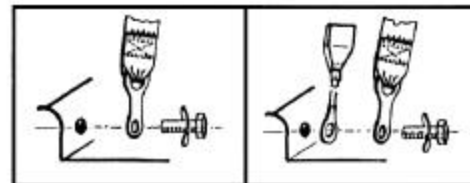


Figure D:

Check by pulling both stress taking straps [2] and [2'] the adjustment device will lock safely.

## 3.2 Installation locations

at or on the center tunnel



Installation without the stock belt at the seat.

Installation with the stock belt at the seat.

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## OPERATING

### 1 General instructions

Most States require that seat belts be worn by all passengers when a car is in motion. Please check with your local authorities for further information! Regardless of the law in your State, it only makes sense to buckle up, so before you start your car, make sure that you and all of your passengers are properly restrained.

The SCHROTH asm harnessbelt system when properly installed and used according to applicable instructions can mitigate injury. Of course, the ability of any restraint system to mitigate or prevent injury is directly related to the type and severity of the accident.

The following pictures show the correct installation and use of SCHROTH asm harnessbelts for the specific vehicle depicted. This vehicle body is one of our test devices used to simulate head-on collisions at 31 mph. Doors and other components not required for the evaluation of harness belt performance have been removed.



The driver seat is equipped with a SCHROTH Rallye 3 harnessbelt system with the tail strap installed at the C-pillar (anchor point "C").



Only the passenger seat is equipped with a SCHROTH Rallye 4 harnessbelt system!



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**WARNING!**

**Tail strap installation to a lateral bar of a roll bar is only recommended by SCHROTH if the roll bar manufacturer has the bar certified for shoulder strap attachment. Not certified bars can be weak to keep the forces applied to during an accident. Severe injuries or death may occur.**



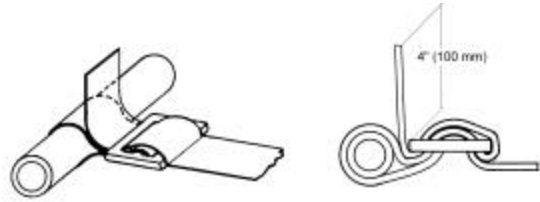
The distance measured between the attached straps must not be more than 5" (125 mm). In case the bar is located more than 12" (300 mm) behind the backrest of the front seat, we suggest to attach the shoulder straps close to each other or to overcross them if the distance of the bar is even larger.

The straps strictly must be wrapped and looped as instructed in the following paragraph.



**WARNING!**

**Not strictly following the installation instructions may impair the effectiveness of the attachment. The straps can be wrapped-off in a crash. Severe injuries or death may occur.**



The adjusting slide bracket must be positioned as close as possible to the bar.

The strap ends must protrude at least 4" (100 mm) out of the adjusting slide.

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**CAUTION!**

**Any damage to the webbing will impair the effectiveness of the harness belt system! Make sure that the seat and bracket are positioned so that moving parts of the seat or adjustment mechanisms cannot contact or damage the webbing of lap belt. (See paragraph 4, Flexibility range of the seat belt mounting brackets.)**



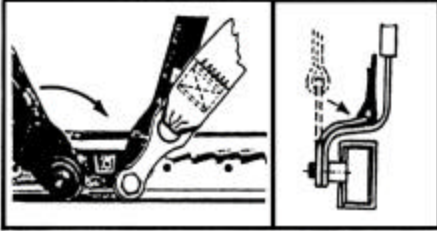
at the seat



Installation without the stock belt at the seat.

Installation with the stock belt at the seat.

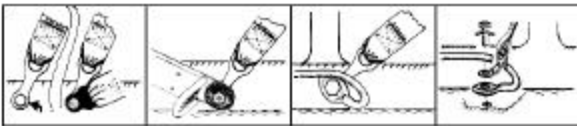
**on the seat sliding bracket**



Mounting point on sliding anchor point on the seat bracket of seat with height adjustment.

Illustration shows AUDI/VW installation.

**at the door sill**



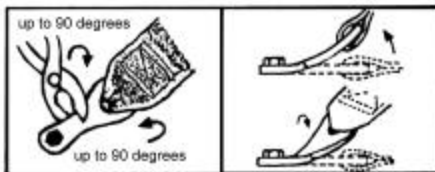
Use the foremost anchor point of the sliding bar of the stock 3-point belt.

**4 Flexible range of the seat belt mounting brackets**



**WARNING!**

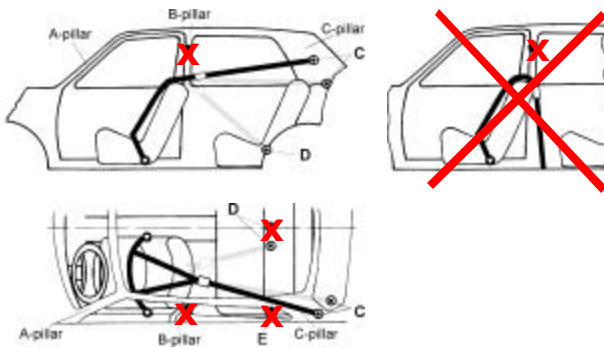
Repeated bending could weaken the bracket and cause it to fail when loaded in an accident. Never bend the bracket back and forth several times. Any pivoting brackets of the stock 3-point belts must not be limited in their range of motion.



5 Installation of tail straps

Rallye 3

- ⊙ Positions of suitable anchor points
- ✗ anchor points are not suitable



If tail straps are installed at anchor point "D"

**WARNING!**

**Never install the harness belt at the lower anchor point "D" unless it is used with an approved seat. (See index in Vehicle Reference List.) Installation with an unapproved seat can result in serious personal injury or death.**

**Note:**

SCHROTH approval of a non-standard seat for use in combination with SCHROTH asm harnessbelts installed at anchor point "D" is limited to suitability of backrest force deflection characteristics as measured and tested by SCHROTH.

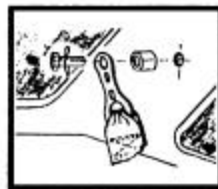
This limited SCHROTH approval does not constitute an endorsement of any recommendation made by the manufacturer of such non-standard seats regarding suitability for use in a particular vehicle.

If Rallye 3 tail strap is installed at anchor point "C"

If necessary open panel covering at anchor point "C" use spacer sleeve [1]



Installation if vehicle is equipped with stock 3-point-belts for rear seats.



Installation if vehicle is not equipped with stock 3-point belts for rear seats.



Installation with stock belts for rear seats.



Installation without stock belts for rear seats.

Never remove seat belts supplied as original equipment with your car.

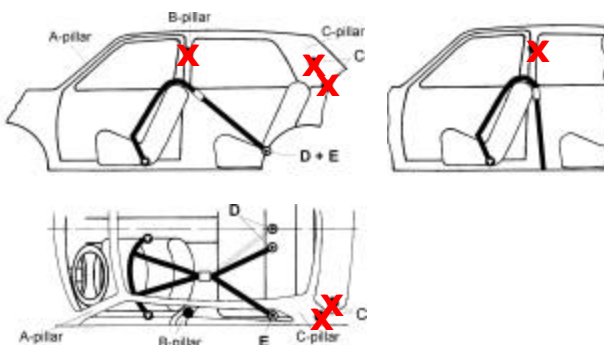
**CAUTION!**

**The tail strap**

1. must be installed at a sufficient distance from the stock 3-point belt swivel attachment so the range of motion of the stock belt is not restricted,
2. must be positioned in direction of the pull of tail strap when the belt is worn (see illustration).

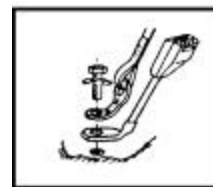
Rallye 4 and Rallye Cross

- ⊙ Positions of suitable anchor points
- ✗ anchor points are not suitable



If tail straps are installed at anchor point "E"

(Rallye 4 and Rallye Cross, refers to Rallye 3 only to specifically indicated vehicles)



Installation with stock belts for rear seats.



Installation without stock belts for rear seats.

