

INSTALLATION and OPERATING INSTRUCTIONS

FORD Mustang Fifth Generation
model years 2005-2014 [S-197]

FORD Mustang Sixth Generation
model years 2015-2017 [S-550]

FORD Mustang Sixth Generation
model years 2018-2020 [S-550]

Quick Fit & Quick Fit Pro Harnessbelts

For detailed information see www.schroth.com



Safety
through
Technology

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This manual contains important information as well as DANGERS, WARNINGS, CAUTIONS and NOTES regarding the proper installation, effective use and maintenance of the SCHROTH harness belt. Heed all Warnings and Cautions. Follow all instructions and Notes.

Always keep this manual in your car for reference and be sure to leave it with the car if you sell the car with the harness belt system installed. If you lose the manual please see www.schroth.com.



Always read and follow this manual and its instructions carefully.

INSTALLATION and OPERATING INSTRUCTIONS

Approvals:

FORD Mustang 5th Generation S-197 chassis [2005-2014] Rallye 4 asm
 FORD Mustang 6th Generation S-550 chassis [2015-2017] Rallye 4 asm
 FORD Mustang 6th Generation S-550 chassis [2018-2020] Rallye 4 asm

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Other Countries: see www.schroth.com

2. Are there openings between the backrest and the headrest of the seat? [See illustrations below.]

YES ☐ NO ☐

WARNING

Risk of severe injuries or death.

SCHROTH harness belts will function properly only when installed in vehicles equipped with seats having a headrest or backrests with seatbelt openings in an integrated headrest. Otherwise the shoulder belts will slide off occupant's shoulders during an accident. Never modify factory seats to create new slots. The seat structure may be impaired or sharp edges of the seat frame may damage the racing harness webbing.

right
right
right
wrong
wrong

3. Have you maintained your original equipment factory provided seats and factory harness mounting points

YES ☐ NO ☐

WARNING

These belts are only approved for use in the designated FORD MUSTANG models in conjunction with the factory provided seat and factory provided DOT mounting points. This belt must not be used if either the seat and/or the factory mounting locations or mounting hardware have been changed or modified in any way.

4. Do you have the correct belt for the left respectively right side? (See illustrations on page 5.)

YES ☐ NO ☐

WARNING

Risk of severe head injury or death during rebound phase of frontal collision! Install harness belts on the correct side of vehicle. Left and right belts are not interchangeable! Make sure black asm-cartridge is on inboard strap, see illustrations on page 5.

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

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

WARNING

Risk of serious personal injury or death.

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 a SCHROTH harness belt, please answer a few very important questions to make sure the SCHROTH harness belt system can be properly installed and effectively used in your car.

If you answer any question with [NO], do NOT install the SCHROTH harness belt system.

1. Is your vehicle a Ford Mustang *manufactured* 2005 to 2014, 5th Generation, chassis code S-197? Or a Ford Mustang *manufactured* 2015-2017, 6th Generation, chassis code S-550? Or a Ford Mustang *manufactured* 2018-2020, 6th Generation, chassis code S-550?

Compare your car's specifications.

YES ☐ NO ☐

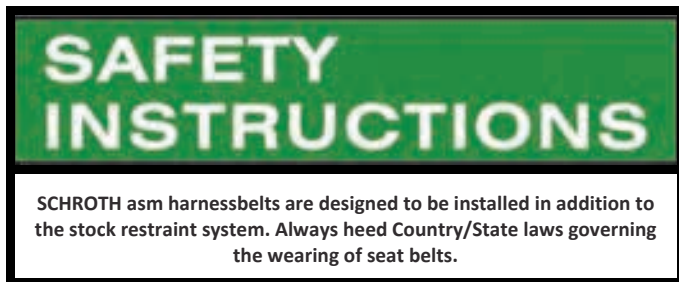
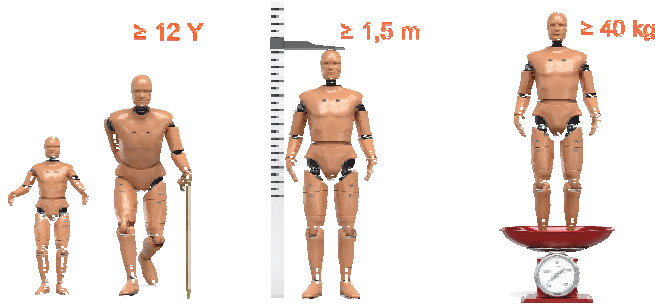
WARNING

Risk of serious personal injury or death.

Proper harness belt geometry requires that seat belt anchor points be located within narrowly defined areas. Install SCHROTH harness belts only in SCHROTH approved vehicles for which proper anchorage location and belt geometry has been determined to exist.

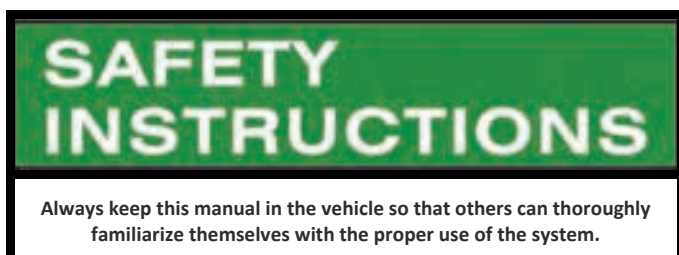


This SCHROTH asm harness belt is only suitable for adults on front outboard seating positions.



SCHROTH U.S. model harnessbelts have been tested in accordance with performance parameters of Federal Motor Vehicle Safety [FMVSS] 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.



PACKAGE CONTENTS

The contents of each package is as detailed in the table below for each belt.

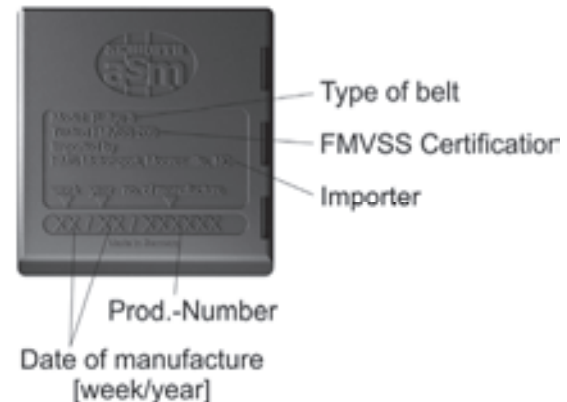
MUSTANG Rallye 4, left	MUSTANG Rallye 4, right
MUSTANG left belt	MUSTANG right belt
left side lap belt connector	right side lap belt connector
left side tail strap connector	right side tail strap connector
SCHROTH asm sticker	SCHROTH asm sticker
SCHROTH Racing sticker	SCHROTH Racing sticker

All MUSTANG Rallye 4 belts utilize factory mounting bolts for the outside lap belt mounting points for both the front and rear mounting locations.

MANUFACTURING INFORMATION

Each SCHROTH belt is manufactured to exacting standards. Specific manufacturing information of each belt is printed on the back side of the plastic **asm** cartridge cover.

US Version of asm cover



INSTALLATION

1 General Instructions

Heed all WARNINGS !



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



Removal of original equipment restraint systems may also violate applicable State or Federal law.

! WARNING

Risk of severe head injury or death during rebound phase of frontal collision!

Separate SCHROTH asm harness belts are supplied for the left and right sides. Install harness belts on the correct side of vehicle.

Left and right belts are not interchangeable! Make sure black asm-cartridge is on inboard strap, see illustrations below.



left harness belt



right harness belt

! WARNING

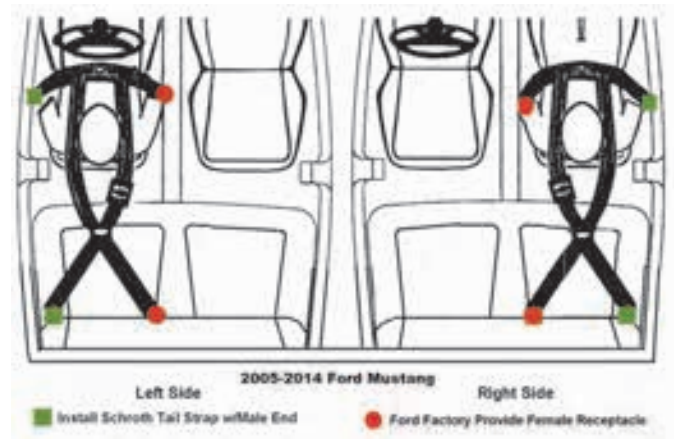
Risk of severe personal injury or death in an accident.

Use of improper attachment points will impair system performance.

Inappropriate or weak tail strap anchor points will not withstand the forces in an accident.

- Never attach the tail straps/shoulder belts to anchorages intended for the fixation of child seats (ISOFIX, LUAS, LATCH, UCSSS or CANFIX), found on the filler panels behind the rear seats of some passenger cars or the luggage area of some hatchbacks or station wagons. These child seat anchor points are not strong enough to withstand the forces of an accident and are not intended for adult safety belts.
- Install harness belt systems only at suitable anchor points for seat belt systems as originally installed by the vehicle manufacturer.
- If in doubt, ask your dealer for assistance.

These figures show the general location and suitabilities of seat belt anchor points installed as standard equipment in specific FORD MUSTANG model passenger cars.



- Green Squares represent points where SCHROTH provided male connecting tail straps are to be installed at factory mounting points along with factory provided harnessbelts.
- Red Circles represent points where the SCHROTH FORD Rallye 4 belts are designed to plug into FORD factory provided seatbelt female receptacles.

! DANGER

Risk of severe injuries or death.

This SCHROTH FORD Mustang Rallye 4 harness belt is **ONLY** designed for FORD Mustang models as indicated on the sewn in label on the harness belt tail strap. Use in any other FORD model or in any other auto of a different manufacturer will result in death or serious injury.





WARNING

Risk of severe injuries or death.

Never drill or tap or make a new attachment point in the body or chassis in order to mount a SCHROTH QuickFit 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 illustration on page 6 and verify label with the "Model Tag" sewn into the tail strap which matches the model of your vehicle. Original equipment belts with swivel attachments must never be bent, modified, impeded or restricted in their range of motion.

2 Anchorage bolts & SCHROTH bolt-in brackets

Where additional SCHROTH connecting tails are to be installed [referenced by the Green Boxes on the diagrams on page 6], the SCHROTH connector will be bolted to the factory mounting point along with the factory belt using the factory provided bolts. You must be able to tighten each bolt a minimum of nine [9] full 360 degree turns.

Tightening torque for all bolts: 30 ftlbs [40 Nm]

3 Installation of the outside lap belt connectors

The front outboard lap belt mounting points are located behind the front seat that holds the bottom of the factory seatbelt.

- ❑ Remove the factory bolt using a T50 torx bit.



- ❑ Install the Schroth tail strap behind the factory belt, install the bolt spacer and spacer retaining washer. The factory belt should still freely pivot once belt is reinstalled.



- ❑ Reinstall the bolt.
- ❑ Before tightening the bolt, align the SCHROTH connector so that the webbing is pulling in the same direction that the belt will pass over your lap when connected.
- ❑ Torque the bolt to 30 ftlbs [40 Nm].

4 Installation of the inside lap belt and tail strap connectors

Simply plug the SCHROTH MUSTANG "male" buckles [both front and rear] into the factory provided female receptacle.

5 Installation of SCHROTH rear outside tail strap buckles – Left & Right (Driver and Passenger) belts.

- ❑ Removal of the rear seat is required to access the outboard tail strap mounting locations. To remove seat, locate the two latches on the front edge of the bottom seat and push latch in towards rear of car to release. These are located approximately 1 foot inboard from the end of seat. See pictures below. Remove seat bottom from car.



- ❑ Locate and remove the outermost FORD lap belt anchor bolts using a T50 torx. These are located at the outside corners just below the rear seatback bolsters.



- ❑ Bend and mount the SCHROTH tail strap connector as shown in the picture below. The tail strap must be bent in this manner in order to clear the side of the seat when reinstalled so that the load from the seat belt does not transfer to the seat bottom. Install the tail strap connector under the factory seat belt bracket. Orient the tail strap bracket so that the bracket is facing outboard in order to prevent the tail strap from interfering with reinstalling the seat bottom. See picture below for correct driver side orientation.



- ❑ Install rear seat bottom by inserting the back edge first then pushing down on front edge to engage the latches. Make sure the latches are fully engaged and the seat is securely in place. The SCHROTH tail strap connector should stick out above the cushion as seen in picture below.



WARNING

Risk of serious personal injury or death.

Damage 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 the lap belt.

(See paragraph 6 below, Flexible range of the seat belt mounting brackets.).

6 Flexible range of the seat belt mounting brackets

WARNING

Risk of severe injuries or death.

Do not bend bracket back and forth several times. Multiple bends in opposite directions will weaken the material and the bracket may fail during an accident.

Make sure the webbing is not damaged during bracket bending or webbing may fail during an accident.



OPERATING and USE

1 General instructions

Most states require that all passengers wear seat belts 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.



Risk of severe personal injury or death in an accident.

Use of improper attachment points will impair system performance.

Inappropriate or weak tail strap anchor points will not withstand the forces in an accident.

- **Never attach the tail straps/shoulder belts to anchorages intended for the fixation of child seats (ISOFIX, LUAS, LATCH, UCSSS or CANFIX), found on the filler panels behind the rear seats of some passenger cars or the luggage area of some hatchbacks or station wagons. These child seat anchor points are not strong enough to withstand the forces of an accident and are not intended for adult safety belts.**
- **Install harness belt systems only at suitable anchor points for seat belt systems as originally installed by the vehicle manufacturer.**
- **If in doubt, ask your dealer for assistance.**



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 40 kg [88 lbs] or those who are less than 1.50 m [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, 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.**



Risk of severe personal injury or death in an accident.

Only the QuickFit Pro is designed to be used with a Frontal Head Restraint [FHR] device such as a HANS® device. Standard QuickFit harnesses are not designed and tested to be used with a FHR.

OPERATING and USE

! WARNING

Improper use of any seatbelt can cause serious personal injury or death.

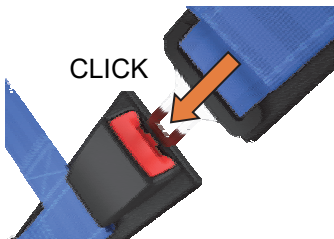
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- * Never wear the belts over rigid or breakable objects in or on your clothing, such as eye glasses, pens, jewelry keys etc. as these may cause injury.
- * Never allow lap or shoulder belts to rub against sharp objects.
- * Never allow the belts to be damaged by becoming caught in door or seat hardware.

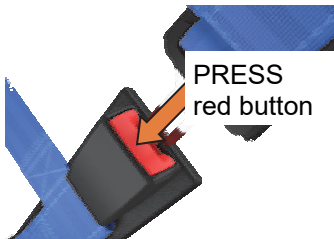
1 How to close and release the buckles

1.1 Lap belt buckle QuickFit

to close

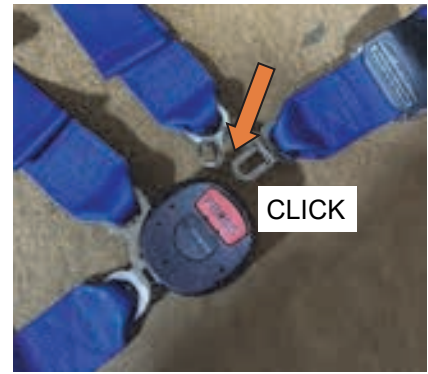


to open



1.1 Lap belt buckle QuickFit Pro

to close



to open

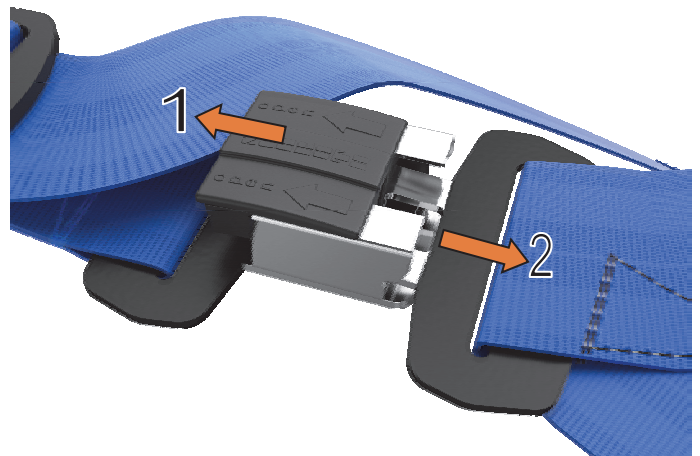


1.3 Buckle between tail strap and shoulder belts (separation buckle). Refers to Rallye 3 and Rallye 4 models only.

To close:

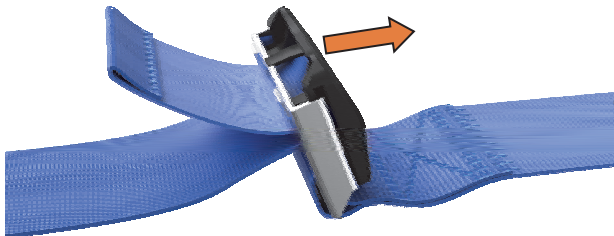


To open:

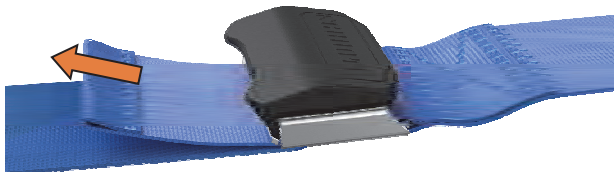


2 How to adjust the belt

5.1 to lengthen the belt

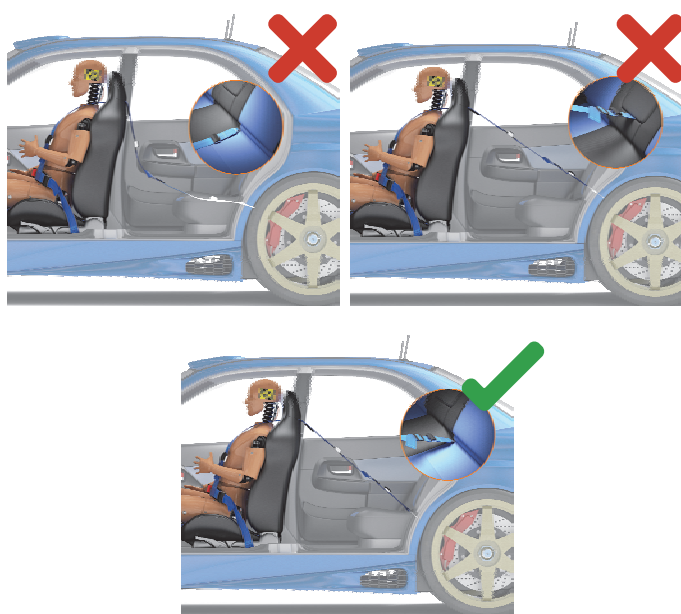


5.2 to tighten the belt



3 Adjustment of the headrest and initial adjustment of the tail straps

Tail straps installed at anchor point "D"



4 Putting on the belt

- a) 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

Next step is to tighten the shoulder belts, see 4 b)

! 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.)

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



5 Use of the rear seats

! WARNING

Risk of severe injuries or death.

Never wear the SCHROTH harnessbelt if any rear seating position is occupied. Both front seat occupants must then use original equipment 3-point belts. The rear seat occupant could interact with the tail strap of the SCHROTH harnessbelt during an accident and cause serious injury to himself or to the wearer of the harness belt.

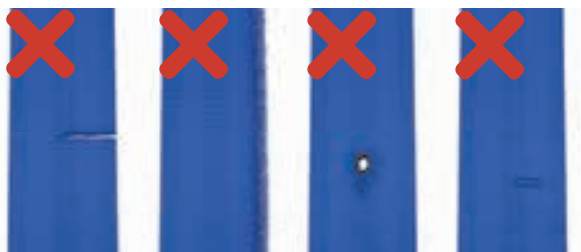


CARE and MAINTENANCE

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 Spare Parts on www.schroth.com). Never use a damaged harness belt, use the standard 3-point belts which remain available for use.

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



2 Accident

**WARNING**

Risk of serious personal injury or death.

A safety belt used during an accident has been weakened and must be replaced!!

**WARNING**

Risk of serious personal injury or death.

A restitched asm seam is dangerous.
DO NOT restitch an energy conversion device under any circumstances.

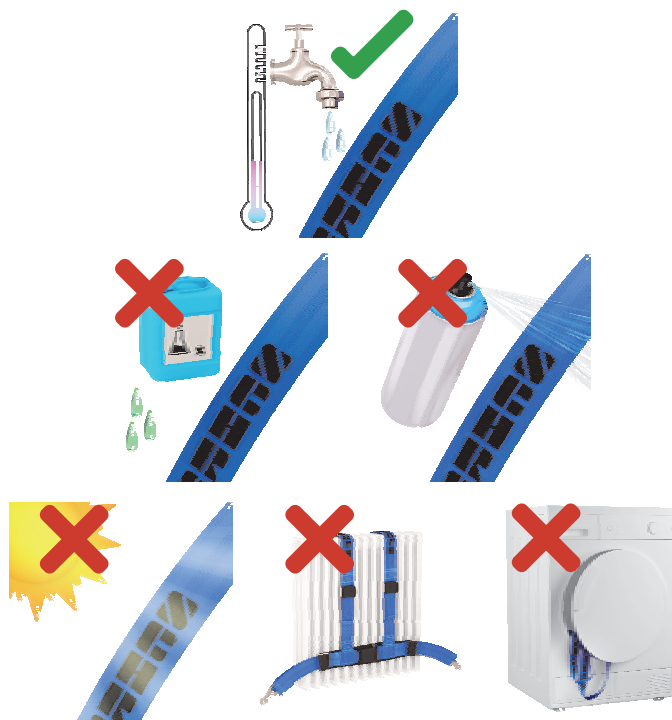
After an accident, in addition to replacing seatbelts which were in use, also ask your car dealer to carefully check all seatbelts attachment points for deformation or cracks. Always make sure the car manufacturer's guidelines are followed if a repair is necessary.

3 Cleaning

**WARNING**

Risk of serious injuries or death.

Improper cleaning or drying of the harness belts can weaken them or reduce their effectiveness. Use only clean supplies and methods as recommended at www.schroth.com



INSTALLATION ACCESSORIES

see www.schroth.com

SPARE PARTS

see www.schroth.com

ADDRESS OF IMPORTER

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eMail: schroth@hmsmotorsport.com

www.hmsmotorsport.com

Our Service Number

800- 884 – BELT

will direct you to your nearest dealer

SCHROTH® reserve the right to incorporate any technical changes or further development in its products without notice.

Our website will inform you about actual instructions and products.

If you need additional information or have any comments or questions about the SCHROTH asm harnessbelts, please contact germany@schroth.com

REMEMBER:

For safety`s sake, always buckle up.

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