

AMF-BRUNS

OPERATING INSTRUCTIONS MANUAL

FUTURE**SAFE**



WARNING

Carefully read, understand and follow all warnings and instructions provided in this manual, and keep it in a safe place for future reference. If you have any doubt whatsoever regarding the use or maintenance of any AMF-BRUNS product, please contact AMF-BRUNS. Failure to follow these warnings and instructions can result in product malfunction or loss of control of the vehicle, causing an accident, severe personal injury or death.



AMF-BRUNS OF AMERICA

www.amfbrunsamerica.com

REV 1/2018 Part Number: TR-700005



AMF-Bruns of America

Operating Instructions Manual

FUTURESAFE

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Foreword

Dear Purchaser:

Thank you for purchasing an AMF-Bruns of America product. Your product has been designed to provide years of safe and dependable service -- as long as it is installed, operated and maintained in accordance with the instructions provided in this manual.

All persons who will install, use and/or maintain this product must read, understand and follow all warnings and instructions provided in this manual. This manual should be considered an integral part of your product and should remain with your product. However, nothing in this manual, and none of the safety devices installed on the product, substitute for proper training, careful operation and common sense.

Always be sure that your product is in optimum working order. If you suspect that anything is not working properly, or that a dangerous situation may exist, immediately contact your dealer or AMF-Bruns of America before you proceed.

Keep these Operating Instructions in a safe place for future reference over the lifetime of the product. If you sell FutureSafe, pass these Operating Instructions to the new owner.

All details, figures and dimensions contained in these Operating Instructions are non-binding. No claims in any form can be derived from this manual. This document must not be reproduced or duplicated, in full or in part, without the prior, written permission of the manufacturer.

FutureSafe must not be converted or modified in any way without seeking the prior written permission from AMF-Bruns. AMF-Bruns will not be held responsible in any way if conversions or modifications are carried out without proper authorization.

Use only original spare parts or spare parts which have been approved of by AMF-Bruns. If spare parts other than these are used, this can have a negative effect on the specified characteristics, the functionality and safety of FutureSafe. The use of any other parts will render the warranty null and void. Use caution when removing OEM vehicle parts due to sharp edges. Depending on vehicle type, the installation process may vary.

For any concerns regarding the proper use, maintenance or safety of your product, or if you need to order new products, spare parts or accessories:

- Call your authorized AMF-Bruns of America dealer.
- Contact AMF-Bruns Customer Service 1-877-506-3770
- Email: contact@amfbrunsamerica.com
- Visit our website: www.amfbrunsamerica.com

Sincerely,

AMF-Bruns of America

Explanation Of Symbol And Signs

1) The following symbols and signage will be used in the Operating Instructions to emphasize safe installation and usage of this product:



DANGER!

Warns of a situation of immediate danger which could lead to serious or fatal injuries if not avoided.



WARNING!

Warns of a potentially dangerous situation which could lead to serious or fatal injuries if not avoided.



CAUTION!

Warns of a potentially dangerous situation, which can lead to slight or minor injuries or material damage if not avoided.



ATTENTION!

Indicates a potentially dangerous situation which can cause material damage if not avoided.



Contains general and useful information.



Reference important information in other sections and documents.

2) Some text passages serve a special purpose. These are highlighted as lists and instructional text, i.e. a series of activities.

3) Meaning of directions: If directions are given in the text (in front of, front, behind, rear, right, left), these directions relate to the normal direction of travel of the vehicle.

1) SAFETY



CAUTION!

Risk of injury if FutureSafe is not operated correctly.

- It is imperative that this manual is read thoroughly before operating FutureSafe.
- Always follow the instructions and information.
- If this manual is lost or becomes illegible, please request a new copy from your authorized dealer or AMF-Brunns of America before you proceed.

Prerequisite to the safe handling and trouble-free operation of FutureSafe is a thorough knowledge of the applicable safety information and the safety regulations.

It is essential that this manual is read thoroughly before operating FutureSafe and that the instructions and warnings herein are strictly observed. The safety information and warnings, given at the appropriate places in this manual, must also be strictly observed. The manufacturer will not be held responsible in situations in which safety information and warnings are not adhered.

In addition to the information given in this manual, local legislative regulations must be taken into consideration, in particular those regarding safety and accident prevention.

1.1 Proper Use

FutureSafe is designed solely for use in a vehicle as a head-and-back support for a wheelchair user who is driving a vehicle. The driver seated in the wheelchair must wear the seat belts provided in the vehicle. The wheelchair must be secured by the securement system fitted to the vehicle. No bags or other objects must be hanging on the backrest of the wheelchair.



WARNING!

If FutureSafe is used for any other purpose than that described above, this may result in dangerous situations for persons or material damage being caused.

- Only use FutureSafe for the purpose for which it was intended: wheelchair user support.
- Always adhere to information given in this operations manual.
- Do not use FutureSafe for any other purposes, particularly those given in Section 1.2. Such actions would be considered to be improper use.

1.2 Improper Use

Any use other than described in Section 1.1 is considered to be improper use, including if:

- Passenger seated in the wheelchair is not secured by the occupant securements.
- Wheelchair is not properly secured with a wheelchair securement inside the vehicle.
- There are bags or other objects hanging on the backrest of the wheelchair.
- It is used in a faulty state or with safety-relevant malfunctions.

1.3 User Requirements

FutureSafe must only be handled by persons who:

- Have been instructed how to operate FutureSafe
- Have read and understood these Operating Instructions.

Transportation, installation, commissioning, maintenance, repair, fault finding and disposal of FutureSafe must only be carried out by persons with the corresponding technical training and experience.

1.4 Product Monitoring

For any problems regarding the proper use, maintenance or safety of your product:

- Call your authorized AMF-Bruns of America dealer.
- Contact AMF-Bruns Customer Service at 1-877-506-3770.
- Visit our website: www.amfbrunsamerica.com.

1.5 Safety and Accident Prevention Regulations

- Only use Futuresafe for the intended purpose (proper use). Improper use could lead to injuries and material damage. (For proper use see Section 1.1, page 7. For improper use see Section 1.2, page 8.).
- Proper use of FutureSafe also includes strict adherence to scheduled maintenance intervals and repair work (when needed). If such work is not performed, trouble-free operation can not be guaranteed and could lead to personal injury and material damage.
- FutureSafe must not be operated in a faulty condition. Doing so could lead to serious injuries. If faults occur, do not use FutureSafe until repairs have been completed by experienced technicians.
- Use only original spare parts or spare parts which have been approved of by AMF-Bruns. If spare parts other than these are used, this can have a negative effect on the specified characteristics, the functionality and safety of FutureSafe. The use of any other parts will render the warranty null and void.

1.6 Disposal

When FutureSafe's useful life has expired, it must only be disposed by experienced technicians. The manufacturer will accept no liability for damage caused by incorrect disposal.

2) DESCRIPTION

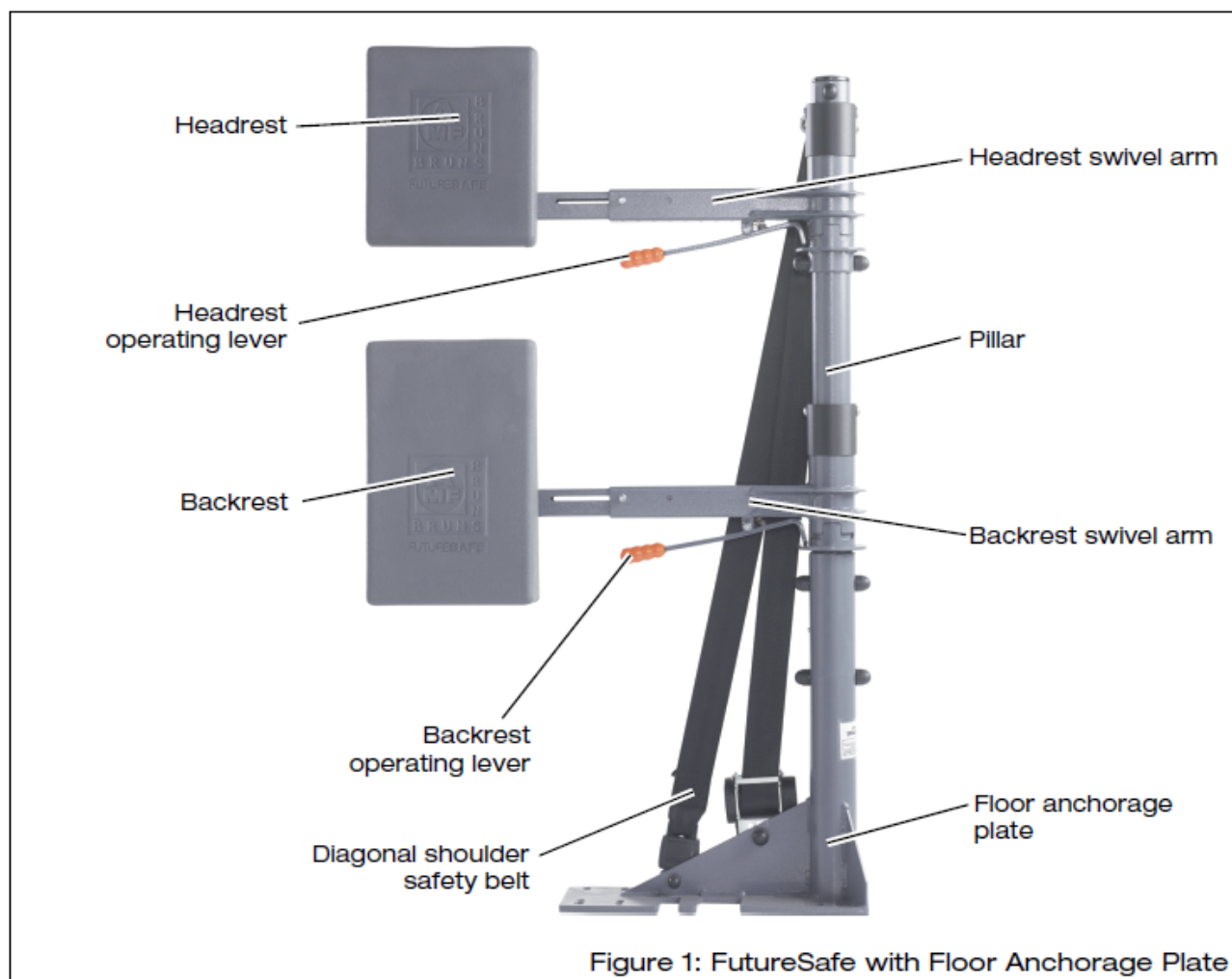
By supporting the head-and-back, FutureSafe offers additional safety to passengers, who are seated in a wheelchair, if an accident occurs.

The main components of FutureSafe are:

- Floor anchorage.
- The frame with pillar and swivel arms.
- The head-and-backrest.
- The diagonal shoulder safety belt.

The aim of this chapter is to illustrate the construction and function of FutureSafe. The individual assemblies and components are described in the following sections.

2.1 Layout and Function



Description

2.1.1 Floor Anchorage Plate

FutureSafe comes with a floor anchorage plate, which is firmly fixed to the floor of the vehicle (see Figure 1, page 10). FutureSafe is available for installation on the right- or left-hand side of the vehicle.

2.1.2 Frame

The main components of the frame are the pillar with the floor anchorage plate and the swivel arms. The pillar has latches, on which the swivel arms are hung. By pressing the operating lever, the top part of the latch -- complete with swivel arm -- is raised, allowing the arm to be swivelled.

The swivel arms can be pulled out (lengthened) and pushed in (shortened) without tools. They latch in specific positions. This allows the head-and-backrest to be laterally positioned, so that they are behind the passenger in the wheelchair.

2.1.3 Head-and Backrest

The head-and-backrest are attached to the swivel arms. They are each provided with mechanics for adjusting the height. The backrest has a slanting profile. This makes it possible to adjust the distance of the backrest to the back of the passenger in the wheelchair by adjusting the height of the backrest.

2.1.4 Diagonal Shoulder Safety Belt

FutureSafe is equipped with a shoulder safety belt, a retractor reel and an upper attachment point. When travelling in the vehicle, the passenger in the wheelchair is protected by this shoulder safety belt and the vehicle's lap belt.



NOTE

For safe use of FutureSafe, the restraint systems for wheelchair and passenger must conform with the applicable local standards. If in doubt, contact AMF-Bruns Customer Service (see Chapter 10, page 26) to determine if the restraints systems were correctly fitted to your vehicle.

Description

2.1.5 Rating Plate

A rating plate, which contains the fundamental data, is attached to FutureSafe (see Figure 2). The rating plate is attached to the pillar, in the vicinity of the floor or side anchorage plate. See Figure 3 for closer look at rating plate.

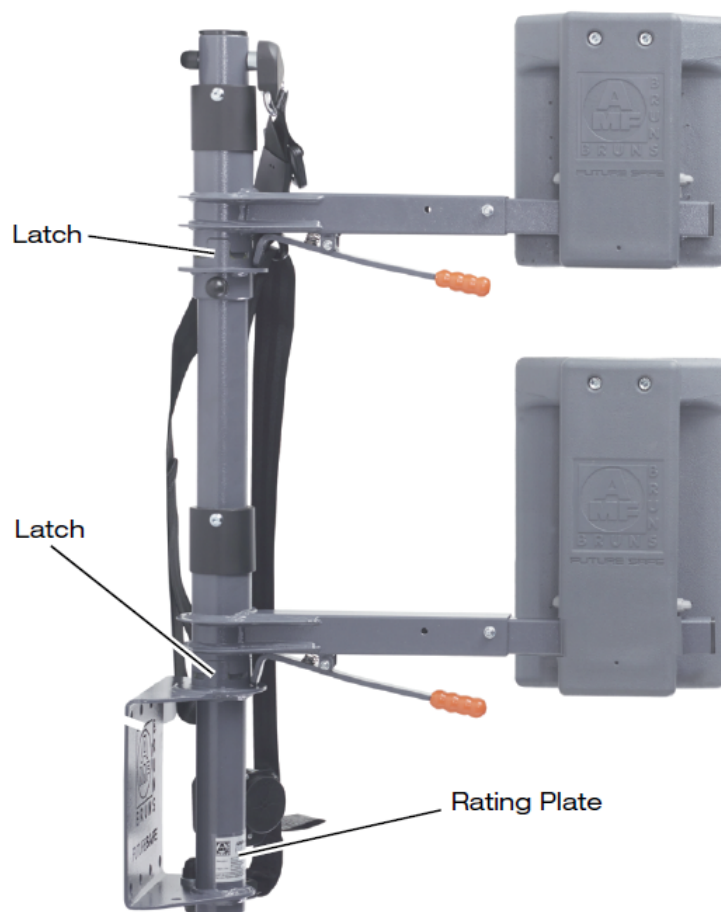


Figure 2: FutureSafe with Latches / Rating Plate

Figure 3: Rating Plate

	AMF-BRUNS FUTURESAFE®	<div style="border: 1px solid black; padding: 2px; display: inline-block;">CE</div>
MFG DATE	<div style="border: 1px solid black; height: 20px;"></div>	
TYPE	<div style="border: 1px solid black; height: 20px;"></div>	
SERIAL #	<div style="border: 1px solid black; height: 20px;"></div>	
AMF-Bruns of America LP • 1797 Georgetown Rd. Hudson, OH 44236 Phone: 877-506-3770 • www.amfbrunsamerica.com		

2.2 Technical Data

Designation	FutureSafe
Weight with anchorage plate	23 kg / 50.71 lbs.
Weight with side anchorage plate	19 kg / 41.89 lbs



NOTE

Remember to take the weight of the installation materials (e.g. floor anchorage plate or Smartfloor rails) into consideration for the maximum permissible gross weight of the vehicle.

3) TRANSPORTATION

FutureSafe is transported by the manufacturer or by trained, experienced personnel.

4) INSTALLATION / COMMISSIONING



INSTALLATION INSTRUCTIONS

FutureSafe must be installed in accordance with the AMF-Bruns Installation Instructions. Installation Instructions can be downloaded from the AMF-Bruns website.



DANGER!

Risk of injury through incorrect installation.

Incorrect installation of FutureSafe can create risk of personal injury and material damage during installation and after installation.

- Only use trained technicians to install FutureSafe.
- Vehicle manufacturer's body fitting guidelines must be followed during installation.



NOTE

FutureSafe cannot be used until a qualified technician inspects the installation to ensure it was completed according to AMF-Bruns' Installation Instructions.

5) OPERATION

5.1 Safety Regulations for Operation



SAFETY INFORMATION

Before operating FutureSafe, read and fully understand the safety information.

Prior to using FutureSafe:

- Read Chapter 1 (Safety) - Page 7 of these Operating Instructions
- Read about the restraint systems below.
- Read documentation provided with your wheelchair.



WARNING!

Risk of personal injury and material damage if FutureSafe is operated in a faulty condition. Always inspect FutureSafe for signs of damage before use.



WARNING!

Risk of injury if the wheelchair and/or passenger are not restrained properly.

If the wheelchair and/or passenger is/are not properly restrained in the vehicle, the passenger in the wheelchair can suffer serious injury in an emergency braking situation or light road traffic collision.

- Always restrain the wheelchair with the restraint systems provided in the vehicle.
- Always restrain the passenger with both the diagonal shoulder and lap belts (see Section 5.4, page 20).



NOTE

Restraint Systems

- For safe use of FutureSafe, make sure the restraint systems for wheelchair and driver conform with the applicable local standards. If uncertain, contact AMF-Bruns of America.
- Check if the correct restraint system is fitted to your vehicle. If in doubt, call AMF-Bruns Customer Service (see Chapter 10, page 26).

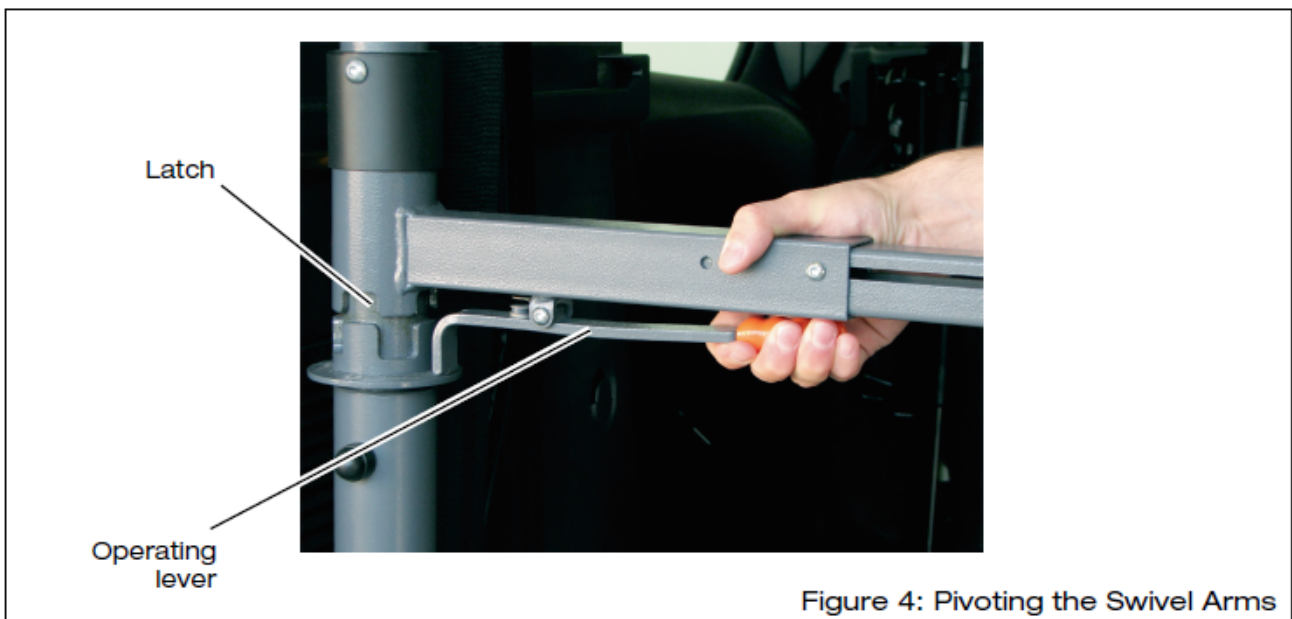
5.2 Adjustment Options

FutureSafe offers the following adjustment options:

- Pivoting the swivel arms (see Section 5.2.1 below).
- Lengthening and shortening the swivel arms (see Section 5.2.2, page 16).
- Adjusting the height of the head-and-backrest (see Section 5.2.3, page 16).

5.2.1 Pivoting the Swivel Arms

The vehicle interior can be used to transport goods or passengers without wheelchairs. To do so, make sure swivel arms are pivoted away to the side of the vehicle. The swivel arms are pivoted out of the vehicle in order to load a wheelchair-bound passenger. When driving the vehicle with a wheelchair-bound passenger on board, the swivel arms are adjusted such that the head-and-backrest are located directly behind the passenger.



- Pull the operating lever of the swivel arm upwards, so the swivel arm lifts out of the latch (see Figure 4).
- Pivot the swivel arm by 90° or 180° to the desired position.
- Release the operating lever, so that the latch engages in this position.

5.2.2 Lengthening and Shortening the Swivel Arms

The swivel arms have latches that hold the head-and-backrest in specific positions when pulled out or pushed in by hands. No tools needed. The swivel arms can be pushed in or pulled out without further preparations, in order to adjust the head-and-backrest to the desired lateral position (see Figure 5 below).

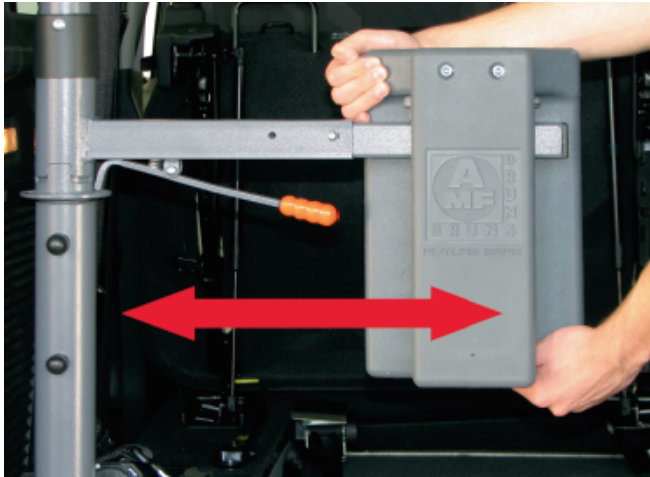


Figure 5: Adjusting the Swivel Arms laterally.

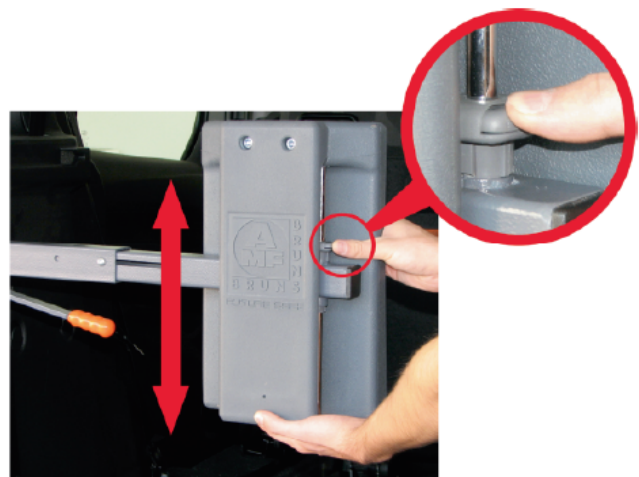


Figure 6: Adjusting the Height

5.2.3 Adjusting the Height of the Head-and-Backrest

Wheelchair passenger gets maximum safety by adjusting head-and-backrest to the correct height (see Figure 6 above).

- Press and hold the latch button on the head or backrest (see Figure 6).
- Adjust the head-and-backrest up or down to the desired height.
- Release the latch button.



REFERENCE

Refer to Section 5.3, page 18 to adjust FutureSafe correctly for a passenger in a wheelchair.

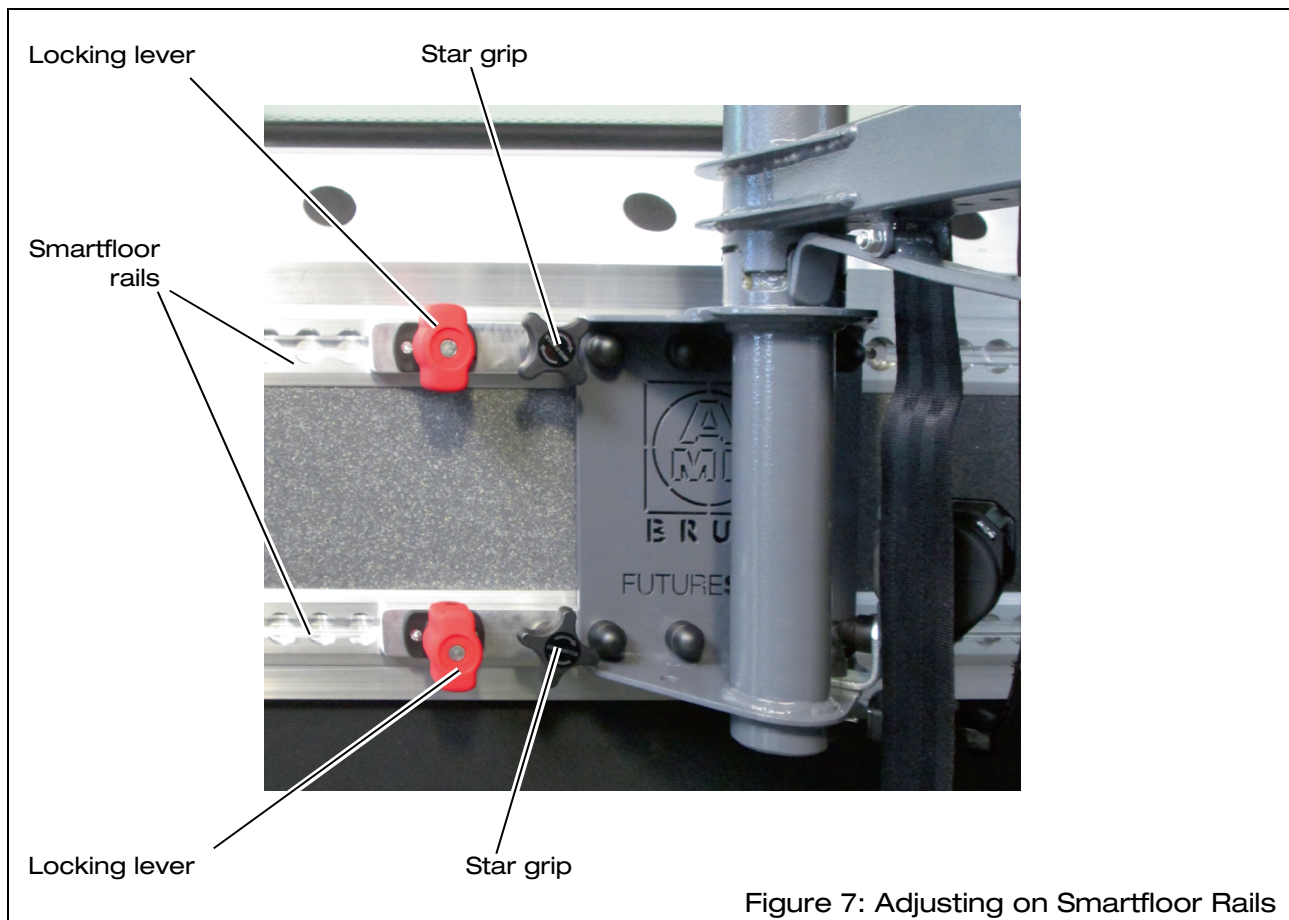


NOTE

The adjustment feature below only applies to FutureSafe models with a side anchorage plate. AMF-Brunns only offers FutureSafe with a floor anchorage plate.

5.2.4 Adjusting FutureSafe Forwards or Backwards

- Turn the red locking levers to the vertical position (see Figure 7 below).
- Loosen the securing screws by turning the black star grips.



- Push FutureSafe forwards or backwards to the desired position.
- Turn the red locking levers back to the horizontal position.
- Push or pull FutureSafe gently forwards and backwards until it latches in position in the SmartFloor rails.
- Tighten the securing screws by turning the star grips.

5.3 Adjusting FutureSafe for a Wheelchair-Bound Passenger



WARNING!

Risk of injury if FutureSafe is incorrectly adjusted.

If the FutureSafe is incorrectly adjusted, it cannot provide the passenger with maximum safety if an accident occurs. Read the following Section thoroughly to learn how to correctly adjust FutureSafe.

5.3.1 Adjusting the Backrest

- Position the wheelchair inside the vehicle.
- For a wheelchair with a backpack: Empty the backpack or remove it from wheelchair.
- Pivot the backrest into position behind the passenger and allow the latch to engage (see Section 5.2.1, page 15).
- Adjust the length of the swivel arm so the backrest is positioned in the center of the passenger's back (see Section 5.2.2, page 16).
- Adjust the backrest forwards or backwards so that it rests against the passenger's back. For FutureSafe with floor anchorage plate: move the wheelchair forwards or backwards accordingly.
- Adjust the height of the backrest so that the upper edge is positioned in the shoulder region of the passenger (see Section 5.2.3, page 16).



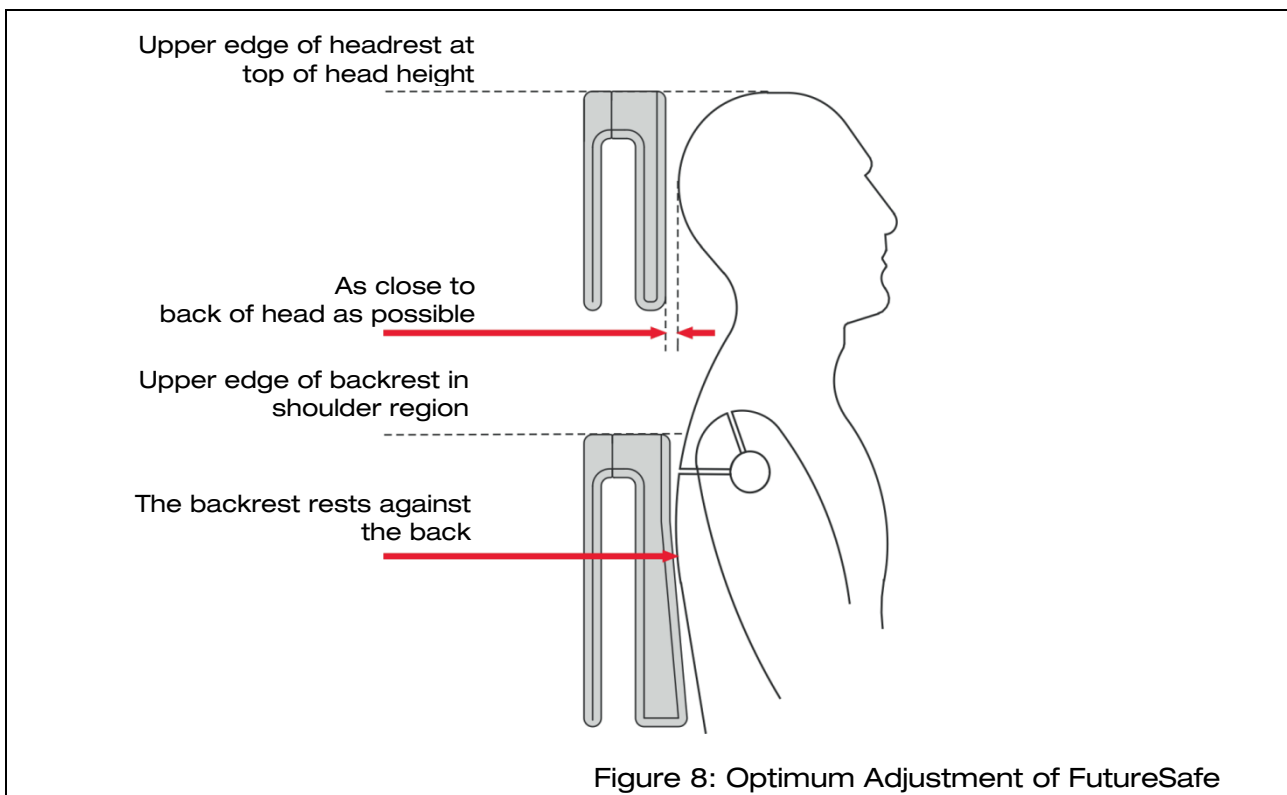
NOTE

Backrest Slanting Profile

This profile allows the backrest's forwards or backwards position to be fine-tuned by adjusting its height (see Figure 8, page 19).

5.3.2 Adjusting the Headrest

- Pivot the headrest into position behind the passenger, which should allow the latch to engage (see Section 5.2.1, page 15).
- Adjust the length of the swivel arm so the headrest is positioned in the center of the passenger's head (see Section 5.2.2, page 16).
- Adjust the height of the headrest so the upper edge is at the same height as the top of the passenger's head (see Section 5.2.3, page 16).



NOTE Adjustments

- Note that the FutureSafe adjustment described here represents the ideal case.
- Persons who are dependent upon a wheelchair are not always in a position to assume a posture as shown in Figure 8 (above).
- Find a balance between maximum protection and maximum comfort of the passenger.

5.4 Safety Belts

- Restrain the wheelchair with the restraint systems provided in the vehicle.
- Restrain the passenger in the wheelchair with the diagonal shoulder safety belt and the lapbelt provided in the vehicle.



WARNING!

Incorrect Seat Belt Adjustments

If the seat belts are incorrectly adjusted, they will not provide the passenger with maximum safety in case of an accident or can present a source of danger in themselves.

- Do not lay the lap belt over the armrests of the wheelchair.
- Make sure that the lap belt lies across the lap of the passenger.
- If belt does not lie across the lap of the passenger but lies across the stomach, it is too high.



NOTE

Restraint Systems

For safe use of FutureSafe, the restraint systems for wheelchair and passenger must conform with the applicable local standards. If in doubt, contact AMF-Bruns Customer Service (see Chapter 10, page 26) to determine if the restraint systems are correctly fitted to your vehicle).



OPERATING INSTRUCTIONS

Adhere to the operating instructions provided with your safety belt system.

6) MAINTENANCE / REPAIR

6.1 Safety Regulations for Maintenance and Repair



Read the safety information before initiating maintenance and repair work (see Chapter 1, page 7).



WARNING!
Risk of injury.

There is a risk of injury if:

- FutureSafe is used after being involved in an accident. It can suffer damage that is not immediately evident, which can impair your safety. FutureSafe must be replaced if involved in an accident in which the vehicle was towed. For more information contact AMF-Bruns Customer Service (see Chapter 10, page 26).
- Maintenance and repair work is not carried out correctly. Use only a qualified technician for all maintenance and repair work.
- Inferior quality spare parts are used. Use only original spare parts or spare parts which have been approved of by AMF-Bruns.
 - If spare parts other than these are used, this can have a negative effect on the specified characteristics, the functionality and safety of FutureSafe. The use of any other parts will render the warranty null and void.
 - The manufacturer will accept no liability whatsoever for damage or injury caused by the use of non-original spare or unapproved parts.



A list of AMF-Bruns-approved Spare Parts can be found in Chapter 10, pages 24-25.

6.2 Routine Maintenance Work

The maintenance schedule below lists the maintenance work that must be performed at regular intervals. Contact AMF-Bruns Customer Service (see Chapter 10, page 26) for maintenance work that must only be performed by a qualified technician.

6.2.1 Maintenance Record

Interval	Activity
Before use	Carry out a visual inspection for damage or faults.
	Initiate repairs if necessary.

6.2.2 Maintenance Record

Record maintenance and repair work that has been performed into the maintenance record below (see Section 6.3). This provides a traceable record of maintenance work. For records of maintenance work beyond this, it is recommended that you keep your own lists.

6.3 Maintenance / Repair Record

Maintenance Work Performed		
Date	Signature	Remarks / Work Performed



WARNING!

It is critical that all FutureSafe products and accessories be properly and securely attached to the vehicle. Improper attachment could result in serious injury and/or death. If you are unsure or unclear for any reason as to what is considered proper installation, please contact AMF-Bruns of America.

7) DE-COMMISSIONING AND CONSERVATIONS

For inquiries regarding De-Commissioning and Conservations, contact AMF-Bruns Customer Service (see Chapter 10, page 26).

8) FAULTS / TROUBLESHOOTING







WARNING!

- There is a risk of severe injury and material damage if repair work is carried out incorrectly. Only use a qualified technician for maintenance and repair work.
- If faults occur when operating FutureSafe, proceed as described in the following troubleshooting table. Contact AFM-Bruns Customer Service (see Chapter 10, page 26) if faults are encountered which cannot be remedied using the information and measures provided in the table.

Fault	Possible Cause	Remedial Measures
The latches do not engage correctly.	Foreign objects are found in the latches.	Inspect the latches and remove any foreign objects. Clean the latches if necessary.
FutureSafe makes noises when driving.	FutureSafe anchorage has become loose.	Check and tighten all anchorage bolts.
The head-and-backrest height cannot be adjusted.	The guide or latch bushing is dirty or defective.	Inspect the guide and latch bushings. Clean or replace as necessary.

9) SPARE PARTS

Figure	Description	Part No.
	Headrest	200235904
	Backrest	200235889
	Belt	H350225
	Guide bushing	200249429

More Spare Parts

Figure	Description	Part No.
	Latch bushing	200249725
	Protective cap SW17	10008439
	Plastic grip, orange	10010646

10) CUSTOMER SERVICE

The AMF-Bruns of America customer service department will be more than pleased to assist in ordering spare parts, maintenance and repair work, and provide assistance with general problems or inquiries.

Reach Us At

📍 1797 Georgetown Road, Hudson – OH 44236

✉ Email: contact@amfbrunsamerica.com

☎ Phone: +1 877-506-3770 or 234-284-2073

🌐 Website: www.amfbrunsamerica.com

Business Hours

Monday-Friday: 7:30am to 4:30pm

Saturday & Sunday: Closed



NOTE

- Warranty work for FutureSafe must only be performed with the prior agreement of AMF-Bruns of America. The costs of such work will not be accepted by AMF-Bruns without prior agreement.
- This information is not all inclusive and may not cover or represent every installation. For additional information, refer to our website or call AMF-Bruns.



North America

AMF-Bruns of America
1797 Georgetown Road
Hudson · OH 44236
Phone: 1 877-506-3770
EM: info@amfbrunsamerica.com
WEB: www.amfbrunsamerica.com

Germany / Europe

AMF-Bruns GmbH & Co. KG
Hauptstraße 101
D-26689 Apen
Phone: +49 44 89 72 71 01
EM: hubmatik@amf-bruns.de
WEB: www.amf-bruns.de

Asia

Smartfloor Seating (Thailand) Co.
Kunwang Place 165/86
T.: Sanprapao A.: Sansai
Chiang Mai 50210 Thailand
Phone: +66 81 381 5207
EM: info@samrtfloor.nl

Middle East & North Africa

AMF-Bruns MENA
Bisco FZCO · Silicon Oasis
LIU4 Units C8 & C9 · Dubai
Phone +971 4 3207123
EM: mena-office@amf-bruns.ae
WEB: www.amf-bruns.ae

South Africa

AMF-Bruns South Africa
Shoprider
92 Jakaranda Street
Unit # 13 Dimond Park
Hennospark · CENTURION
Phone +27 12 653 1168
EM: info@amf-bruns.co.za
WEB: www.amf-bruns.co.za

United Kingdom

AMF-Bruns UK LTD
Unit 3, Parkway Four
Longbridge Road
Trafford Park
Manchester · M17 1SW
Phone: +44 161 872 7951
EM: hubmatik@amf-bruns.de
WEB: www.amf-bruns.com

Netherlands, Belgium and Luxembourg

SMARTFLOOR B.V.
Veldkampsweg 26
7605 AR Almelo
Nederland
Phone: +31 546 45 55 65
EM: info@smartfloor.nl
WEB: www.smartfloor.nl

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AMF-Bruns of America

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877-506-3770 • 1797 Georgetown Rd • Hudson, OH 44236

