

SafeGuard® Sabre®-U

School Bus Seating Usage, Care & Conversion Procedure



SafeGuard® Sabre®
FlexSeat®
with Integrated
Child Seat (ICS)

Pedestals may vary in appearance



Sabre® Base Seat



Sabre® ICS
(Shown with optional
lap-shoulder belts)



Sabre® FlexSeat
(Shown without ICS)

Lap Shoulder Belts

For all occupants greater than 40 lbs (18 kg) and 40 in. (102 cm) tall

Integrated Child Seat

In the U.S.A. for all occupants at least 2 years of age, between 26.5 - 85 lbs. (12 - 39 kg) and 49 in. (124 cm) or less tall. For Canadian weight specifications, refer to label on the Integrated Child Seat (ICS) cushion.

Table Of Contents

| | Page | Page |
|--|------|--|
| General Information | 2 | Conversion Procedure 3 Pt. Belts..... 11 |
| Registration Information | 2 | Conversion Procedure No Belts..... 14 |
| General Warnings..... | 3 | Conversion Procedure Lap Belts..... 16 |
| Seat Features and Options..... | 3 | Care and Maintenance/Cleaning..... 19 |
| FlexSeat (Use for 2 or 3 children)..... | 4 | Care and Maintenance/Seat Belt Insp. 20 |
| Using Lap-Shoulder Belts..... | 5 | Care and Maintenance/Reverse Lock. 21 |
| Integrated Child Seat Option..... | 7 | |
| Installation of Add-On Child Seats | 8 | |
| LATCH (Lower Anchors & Tether) Option.. | 9 | |
| Seat Cushion Release..... | 10 | |
| Post Crash Inspection..... | 10 | |

Store this instruction manual behind the ICS removable seat pad (if equipped) or with the vehicle for future reference.

General Information

The SafeGuard team truly cares about child passenger safety and are committed to providing innovative restraints that offer the utmost in safety and ease of use. While no restraint can prevent injury in every situation, proper installation and use of a restraint can substantially reduce a child's risk of serious injury or death.

Follow all the instructions of this manual and the instructions of the vehicle manufacturer. Failure to properly use this restraint may result in serious injury or death of the child being transported. If you have any questions after reviewing the instructions, please contact us at:

SafeGuard Customer Service: www.safeguardseat.com or 1-877-447-2305.

This restraint system conforms to all applicable Federal Motor Vehicle Safety Standards.

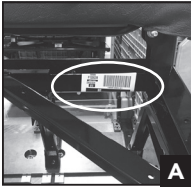
Registration Information - For ICS Aftermarket Seats

Please fill out the prepaid registration card attached to the ICS bus seat and mail it today or register online at the website listed below.

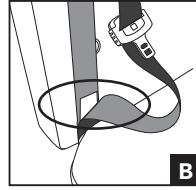
Restraints could be recalled for safety reasons. You must register this restraint to be reached in a recall. Send your name, address, and the restraint's model number, manufacturing date, and serial number to IMMI, 18881 IMMI Way, Westfield, IN 46074 or call 1-877-447-2305 or register online at www.safeguardseat.com/register.

For recall information, call the U.S. Government's Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153), or go to <http://www.NHTSA.gov>.

The seat model number and manufacture date are located on a label that is on the lower seat frame. Lift open seat cushion to view label (see illustration "A"). The lap-shoulder belt restraint system part number is located on a label sewn to the end of the web at the belt anchorage (see illustration "B").



Seat model number and manufacture date



Lap-shoulder belt restraint system part number

General Warnings

⚠ WARNING! DEATH or SERIOUS INJURY can occur:

Failure to follow these warnings can result in serious injury or death. Please read and follow all instructions carefully.

- Follow all instructions on the bus seat and in this manual.
- Do not modify this seat and restraint or use any accessories or parts supplied by other manufacturers. Use only SafeGuard replacement parts.
- Never use the restraint system if it is damaged or missing parts. Do not use a cut, frayed, or damaged harness or seat belt. Replace harness or seat belt immediately.
- Do not use bleach or harsh cleansers on seat cushions, webbing, or buckles. Never lubricate the seat belt buckles.
- This manual is only for use with Sabre Track and Ped-Ped Seats.

SafeGuard® Sabre® Seat Features and Options

Base Seat

Standard Seat Back
(readily converts to other seat versions)

Lower LATCH Anchors
(optional)

Seat belt ready base frame; refer to bus manufacturer's manual



FlexSeat®

Shoulder Height Adjuster

Locking Latch Plate

Lap-Shoulder Belt Restraint

Lower LATCH Anchors
(optional)

Seat Belt Buckles



Two-Belt Seat/ Integrated Child Seat

Shoulder Height Adjuster

Locking Latch Plate

Lap-Shoulder Seat Belt
(optional)

Integrated Child Seat (2)

Lower LATCH Anchors
(optional)

Seat Belt Buckles



Three-Belt Seat/ Integrated Child Seat

Shoulder Height Adjuster

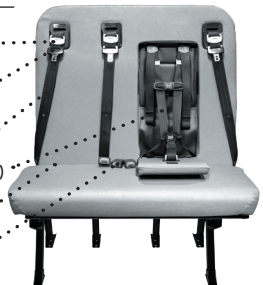
Locking Latch Plate

Lap-Shoulder Seat Belt

Integrated Child Seat (1)

Lower LATCH Anchors
(optional)

Seat Belt Buckles



SafeGuard FlexSeat® with Lap-Shoulder Seat Belt Restraints

Use for 2 or 3 children

This seat with lap-shoulder belt restraint system conforms to all applicable Federal Motor Vehicle Safety Standards.

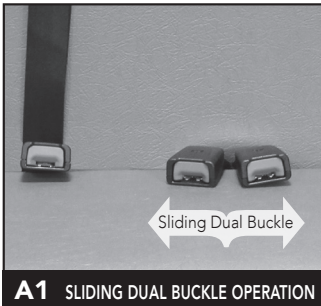
⚠ WARNING! DEATH or SERIOUS INJURY can occur:

- Follow all instructions on the restraints and in this manual. Failure to follow the manufacturer's warnings for proper use of this restraint system can result in serious injury or death.
- Use all seating positions only with occupants who are at least 4 years old and weigh 40 pounds (18 kg) or more and whose height is 40 inches (102 cm) or more.
- To improve fit a shoulder height adjuster is provided and must be at or above the top of occupant's shoulder.
- The hip of the child in the aisle seat must not extend beyond the seat cushion side edge.
- Small children unable to properly fit the seat and lap-shoulder belt should be secured in the ICS or an add-on CSRS (Child Safety Restraint System) such as the STAR®.
- Backpacks and coats must be removed before using the lap-shoulder seat belt restraints.
- Adjust the lap-shoulder belts snugly around the occupant.

The SafeGuard FlexSeat accommodates two or three children on a 39" school bus seat.

USE FOR 2 CHILDREN: Slide two buckles on right side **A1** all the way left to create two seating positions. **A2**

USE FOR 3 CHILDREN: Slide two buckles located on right side **A1** all the way right to create three seating positions. **A3**



Using Lap-Shoulder Belts on a School Bus Seat



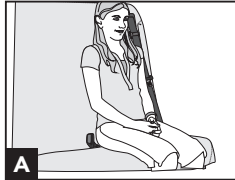
When to Wear the Lap-Shoulder Belt:

1. When the school bus is ready to begin or continue its trip.
2. Anytime the school bus is moving or on the roadway.

SafeGuard recommends use of an FMVSS 213 child restraint system for children under five (5) years of age.

BUCKLING UP

1. The passenger should sit as flat against the seat back as possible to achieve the best possible fit of the lap-shoulder belt on the passenger's upper and lower torso. **A**



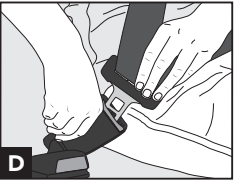
2. Pull out shoulder belt webbing from the upper seat back. Do not let the belt get twisted. (The shoulder belt could possibly lock if pulled across the body too quickly. If this happens, let the belt retract slightly to unlock it. Then pull the belt across you more slowly.) **B**



3. Place the lap-shoulder belt over the shoulder and around the passenger's upper body. **C**



4. Insert the latch plate into the matching seat belt buckle on the lower seat cushion. **D**

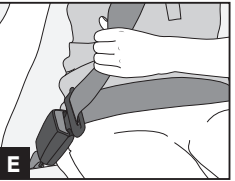


CLICK

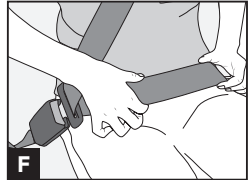
5. Listen for an audible click when the latch plate is fastened. **D**

TUG

6. Check that the buckle connection is secure by pulling on the shoulder portion of the lap-shoulder belt. **E**



7. Position the lap portion of the belt so that the webbing is below the passenger's waist, not over the stomach or abdomen area. The lap portion of the belt must be low and snug over the bony structure of the passenger's hips. **F**



SNUG

8. Pull up on the shoulder portion of the lap-shoulder belt to tighten the lap portion. **G**



IMPORTANT! This step must be done to assure proper fit of lap-shoulder belt to passenger!

The shoulder portion of the belt must be snug across the chest and in the center of the passenger's shoulder. **H**



9. Position the shoulder height adjuster at or just above the passenger's shoulder. The shoulder belt should not cross the passenger's face or neck. **I**

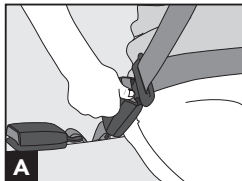


10. Make sure the lap-shoulder belt is snug and lies flat against the passenger. There should be no twisting of the webbing. **J**



UNBUCKLING

1. Push the red buckle release button and remove the latch plate from the buckle. The buckle has a release mechanism that separates the latch plate from the buckle. **A**
2. Allow the shoulder belt to retract and stow in the upper seat back.
3. As a courtesy to the next passenger, move the shoulder height adjuster up to its highest position. **B**



Using Lap-Shoulder Belts on a School Bus Seat

Examples of Improper Usage



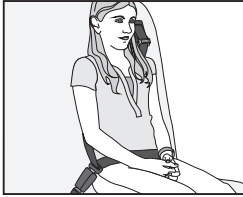
1. Do not sit in front of the buckled lap-shoulder belt.



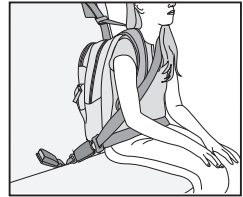
5. Do not allow the webbing to get twisted as it goes across your body. It should lie flat against your body.



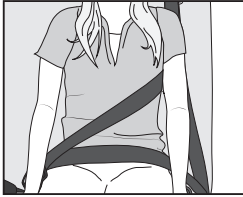
2. Do not place shoulder belt behind your back and wear only the lap belt.



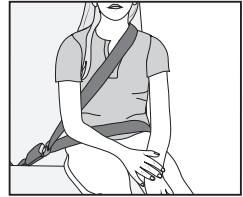
6. Do not wear your backpack when you buckle up.



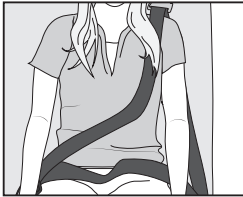
3. Do not place the shoulder belt under your arm.



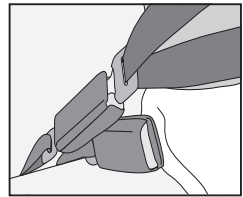
7. Do not sit outside the edge of your seat compartment.



4. Do not wear the shoulder belt or the lap belt too loosely.



8. NEVER insert the latch plate of your shoulder belt into the buckle for the seat beside you.



Integrated Child Seat Option

This child restraint system conforms to all applicable Federal Motor Vehicle Safety Standards.

⚠️ **WARNING!** DEATH or SERIOUS INJURY can occur:

- Follow all instructions on the child restraint and in this manual. Failure to follow the manufacturer's warnings for proper use of this child restraint system can result in serious injury or death.
- In the U.S.A. use only with children who weigh between 26.5 and 85 pounds (12 and 39 kg) and whose height is 49 inches (124 cm) or less and who are at least 2 years of age. For Canadian weight specifications refer to label on the integrated child seat cushion.
- Top portion of the seat cushion must be folded under lower portion of seat cushion to form seating surface for child.
- Failure to fold the seat cushion under can result in damage to the restraint and thus improper restraint of the child.
- Adjust the belts provided with this child restraint snugly around your child.

ICS RESTRAINT REPLACEMENT: The ICS restraint system does not have a designated service that requires replacement. However, the ICS and its components must be inspected frequently (per instructions on Page 10) and replaced as needed. If you have any doubts about the condition or function of the restraint, REPLACE IT. If any component of the ICS restraint requires replacement, the entire restraint system must be replaced. If the vehicle is involved in a significant accident, the entire ICS must be replaced.

1. Activate the restraint system by lowering the integrated child seat cushion. **Fold the top portion of the cushion under the bottom portion to form a seating surface for the child.** **A** Be sure seat belt buckles (if equipped) are NOT beneath the folded cushion. Failure to fold the seat cushion under can result in damage to the restraint and thus improper restraint of the child.

Open chest clip by squeezing middle tabs and pulling chest clip apart.

Unbuckle harness buckle by pressing down on red release button.

To loosen harness, lift metal tab at top of seat **1** and pull down on shoulder strap **2** to loosen strap.

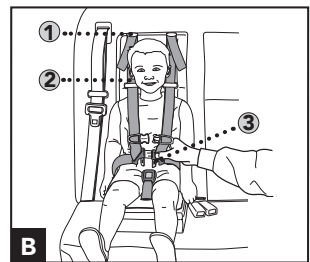
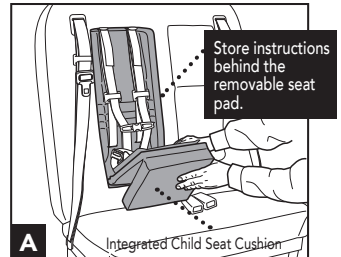
Repeat with second shoulder strap.

2. Place the child in the restraint with the child's back flat against the back of the bus seat cushion. Position shoulder straps over the child's shoulders.

Buckle harness **B** by inserting buckle tongues into harness buckle **3**.

Listen for an audible click when each buckle tongue is fastened.

Check the buckle connection is secure by pulling on the shoulder straps.



Integrated Child Seat Option (cont.)

This child restraint system conforms to all applicable Federal Motor Vehicle Safety Standards.

3. To tighten harness, pull down equally on top straps **4** on both sides until the harness is snug around the child. **C**

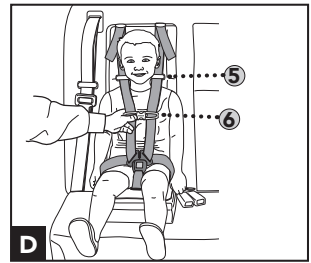
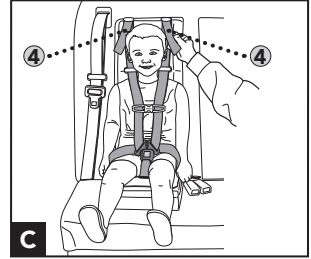
A snug strap should not allow any slack. It lies in a relatively straight line without sagging. It does not press on the child's flesh or push the child's body into an unnatural position.

4. Position each shoulder height adjuster **5** at or just above the child's shoulder. **D**

Fasten chest clip **6** by pushing both sides together.

Position chest clip at middle of the child's chest, at armpit level.

Be sure harness is snug and tight on child's thighs and chest.



Installation of Add-On Child Seats

⚠ WARNING! DEATH or SERIOUS INJURY can occur:

- Follow all manufacturer's instructions found in the child restraint user's manual and in this manual. Failure to follow the manufacturer's warnings for proper use of the child restraint system can result in serious injury or death.
- NHTSA seating space guidelines should be followed when a child seat is installed.

Important: The SafeGuard Sabre School Bus seat with lap-shoulder belts utilizes an Emergency Locking Retractor (ELR) with a locking latch plate on the belt. This system does not require the use of the child seat manufacturer's supplied locking clip.

Rear facing Infant or Convertible Child Seats

The rear facing infant or convertible child seat may be installed with either the lap shoulder belt restraint system **A** or with the LATCH system **B** (if Sabre seat and add-on child seat are equipped with LATCH hardware and components).

For attachment of the add-on child seat with the Sabre seat lap-shoulder belt restraint system, carefully read and follow the add-on child seat manufacturer's installation instructions for the correct belt path on the child seat and how to tighten the seat down.

For attachment of the add-on child seat using the LATCH system, carefully read and follow the add-on child seat manufacturer's installation instructions for the correct LATCH attachment procedure and how to tighten the seat down.

Forward Facing Child Seats

Forward facing child seats may be installed with either the lap shoulder belt restraint system **C** or with the LATCH system (if Sabre seat and add-on child seat are equipped with LATCH hardware and components).

For attachment of the add-on child seat with the Sabre seat lap-shoulder belt restraint system, carefully read and follow the add-on child seat manufacturer's installation instructions for the correct belt path on the child seat and how to tighten the seat down.

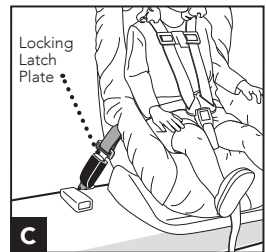
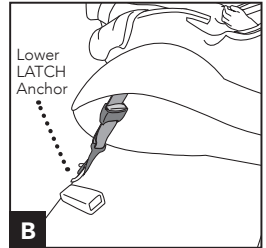
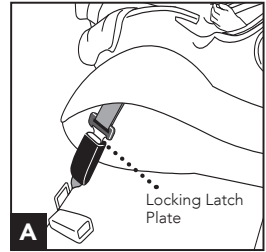
For attachment of the add-on child seat using the LATCH system, carefully read and follow the add-on child seat manufacturer's installation instructions for the correct LATCH attachment procedure and how to tighten the seat down.

The forward facing add-on child seat tether strap may be used to provide additional securement for the child seat. Carefully read and follow the add-on child seat manufacturer's installation instructions for the correct use of the tether strap and see page 8 of this manual for instructions regarding tether attachment.

Booster Seats

DO NOT USE add-on booster seats on lap-shoulder belt school bus seats!

D The lap-shoulder belt is adjustable to fit a child and must be correctly adjusted for use (refer to page 4 warnings).



LATCH (Lower Anchors & Tether) Option

For Use with Add-On Child Seats

⚠ WARNING! DEATH or SERIOUS INJURY can occur:

- Follow all instructions on the child restraint and in this manual. Failure to follow the manufacturer's warnings for proper use of the child restraint system and LATCH attachments can result in serious injury or death.
- Maximum combined weight of child and child seat is not to exceed 65 lbs on any LATCH anchor bar. Failure to comply can cause component failure leading to injury or death.

Location and Use of Lower LATCH Anchors

Some SafeGuard Bus Seats are equipped with lower LATCH anchors for the attachment of add-on child seats. The lower LATCH anchors (if available) are located in the seat gap between the lower portion of the back seat and cushion. Two sets of LATCH anchorages are included on 36/39" seats to allow attachment at wall or aisle side for single child seat.

Adding LATCH Anchors

Base Sabre Seats may be fitted with LATCH anchors if not originally equipped. Contact your OEM Bus Dealer or SafeGuard for further information on ordering LATCH anchors.

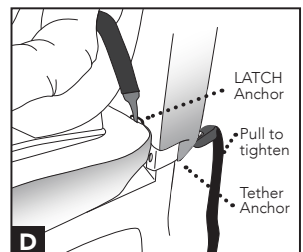
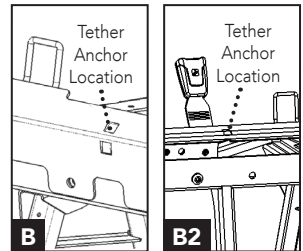
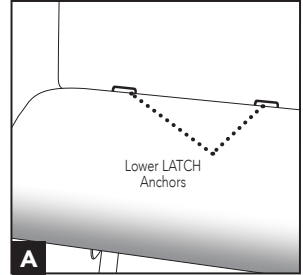
Location and Use of Tether Anchors

All styles of SafeGuard Sabre Bus Seats are equipped with tether anchors for add-on child seats. **B B2**

Installing Tether

To attach an add-on child seat tether, route the tether on the child seat over the top of the SafeGuard Bus Seat. **C** Extend the tether and connect the snap hook to the nearest tether anchor provision at the lower rear of the seat. **D** Adjust the tether to a snug and tight fit by pulling on the free end of the strap at the adjuster. **D**

Tether anchor positions will vary dependent upon the seat type.



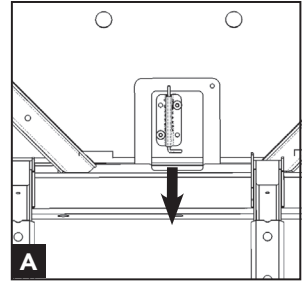
Seat Cushion Release

⚠ WARNING! DEATH or SERIOUS INJURY can occur:

- Follow all instructions on the child restraint and in this manual. Failure to follow the manufacturer’s warnings for proper use of the child restraint system and LATCH attachments can result in serious injury or death.

Locating Seat Cushion Release Latch

Your SafeGuard Bus Seats are equipped with a cushion that flips up for access underneath the seat. The cushion is held in place by a latch underneath the seat as shown in **Figure A**. While pulling the release latch back, lift up on the back of the cushion to flip it up toward the front of the seat.

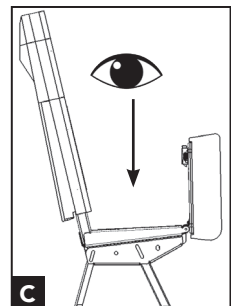
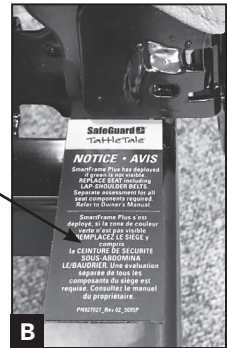


Post-Crash Inspection

Following any crash, you should have the bus structure, seat and restraint systems inspected by a qualified technician.

To know if the SmartFrame Plus® has been deployed you should:

- Find the label on the top of the lower seat frame (**Fig. B**).
- Stand directly over the seat and look straight down to determine if the green colored portion on the label is covered by the frame section. (**Fig. C**)
- If it is covered you should replace the seat including lap-shoulder belts.
- The SmartFrame Plus® inspection is independent of the inspection performed on the rest of the seat or restraint system. Separate assessment for all seat components required.

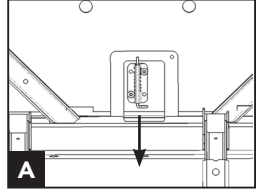


SafeGuard Seat Conversion Procedure

3-Point With and Without ICS

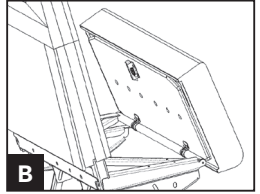
STEP 1

Reach under the aisle side of the seat cushion; release the latch by sliding the locking plate tab as shown. **(FIG. A)**



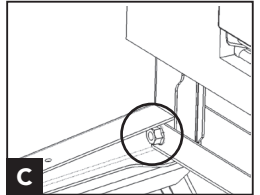
STEP 2

Lift up and pivot forward the rear of the seat cushion for access to the seat frame. **(FIG. B)**



STEP 3

Remove the aisle side lower bolt nut from the front side of the seat frame. **(FIG. C)** Remove the bolt from the back side of the seat. Discard bolts and nuts.

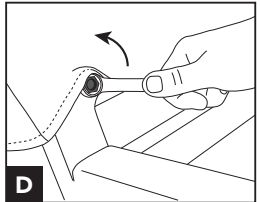


STEP 4

Repeat step (3) for the wall side lower nut and bolt.

STEP 5

Remove the aisle side upper bolt nut from the front side of the seat frame. **(FIG D)** Remove the bolt from the back side of the seat. Discard bolts and nuts.

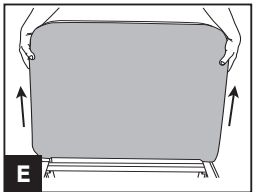


STEP 6

Repeat step (5) for the wall side upper nut and bolt.

STEP 7

Carefully lift the base seat back straight up off the seat frame without any twisting that could cause the seat back frame to bind on the lower seat frame. **(FIG. E)**



SafeGuard Seat Conversion Procedure

3-Point With and Without ICS

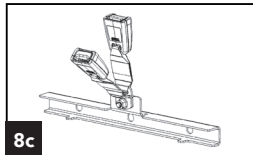
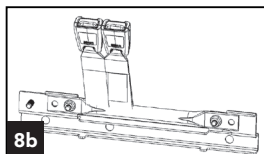
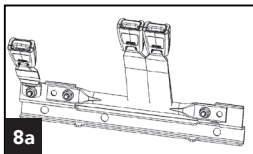
STEP 8

If buckles are already attached to the rear bracket, skip to Step 9.

39": Place double buckle assembly on the buckle anchorage tube then attach the tube on the the smart bar using two nuts. Only the two inner holes on each side of the buckle anchorage tube need to be fastened (**8a**). Attach single buckle to the smart bar using one nut. Torque all nuts to 35 - 45 ft-lbs.

36": Place double buckle assembly over buckle anchorage tube then attach the tube on the smart bar using two nuts. Only the two inner holes on each side of the buckle anchorage tube need to be fastened (**8b**). Torque all nuts to 35-45 ft-lbs.

30": Attach both single buckles on the smart bar using a nut (**8c**). The 10-degree single buckle should be installed on the inside, against the smart bar. Torque all nuts to 35-45 ft-lbs.



STEP 9

Place smart bar and restraints assembly into the rear channel of the seat base and align the smartbar holes with the holes at the back of the rear channel. (**FIG. F**)

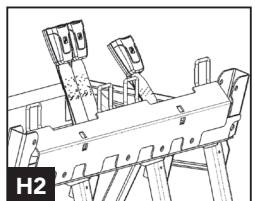
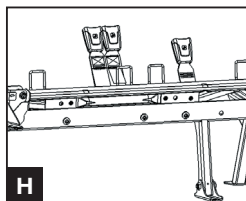
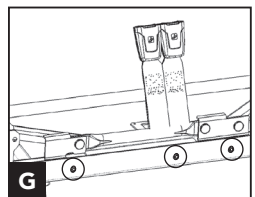
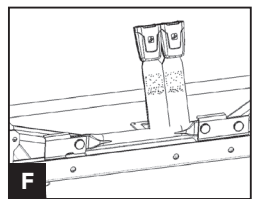
STEP 10

Install hex lobular drive bolts in all open locations on the seat back bracket. Torque nuts to 35-45 ft-lbs. (**FIG. G**)

SEE STEP 11 FOR LATCH BRACKET UPGRADES ONLY

STEP 11

Position latch bracket as shown. (**FIG. H, H2**)



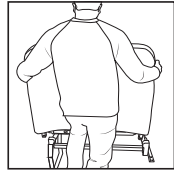
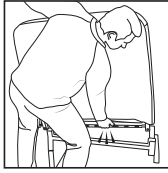
SafeGuard Seat Conversion Procedure

3-Point With and Without ICS

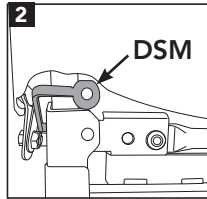
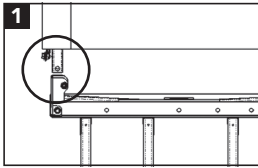
**⚠ WARNING:
PINCH POINT**



Keep hands clear during installation.

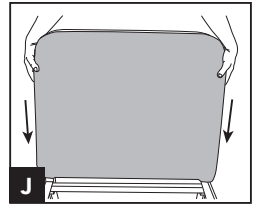


NOTE: If interference occurs while lowering the seat back on the seat back frame (see illustrations 1 & 2 below), locate the DSM under the cover and pull the DSM rearward away from the seat back frame until there is enough clearance to lower the seat back completely. **DO NOT BEND THE DSM.**



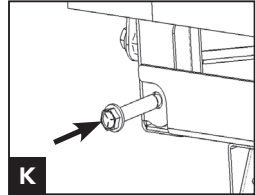
STEP 12

Lower new seat back module down into seat base rear channels. **(FIG. J)** Continue until seat back module lower posts are fully seated into base seat channels.



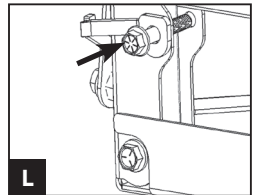
STEP 13

On aisle side, from seat rear, install lower (longer) bolt through seat back module lower attachment hole and seat base structure to position frame. **(FIG. K)**



STEP 14

From seat back side, install upper (shorter) bolt through seat back module upper attachment hole and seat base structure. **(FIG. L)** Add nut to front side but do not tighten. Repeat for wall side.

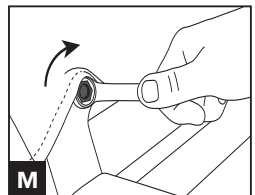


STEP 15

On wall side, from seat rear, install lower (longer) bolt through seat back module lower attachment hole and seat base structure to position frame.

STEP 16

Tighten the four (4) nuts/bolts to the upper and lower post attachment bolts installed in steps (13) through (15) to 35-45 ft-lbs. torque. **(FIG. M)**

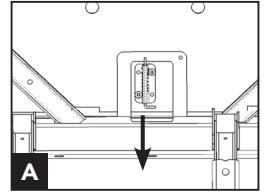


SafeGuard Seat Conversion Procedure

No Belts With and Without ICS

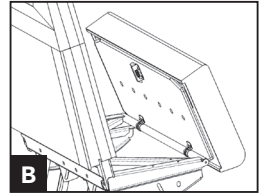
STEP 1

Reach under the aisle side of the seat cushion; release the latch by sliding the locking plate tab as shown. **(FIG. A)**



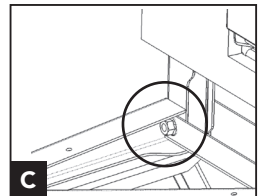
STEP 2

Lift up and pivot forward the rear of the seat cushion for access to the seat frame. **(FIG. B)**



STEP 3

Remove the aisle side lower bolt nut from the front side of the seat frame. **(FIG. C)** Remove the bolt from the back side of the seat. Discard bolts and nuts.

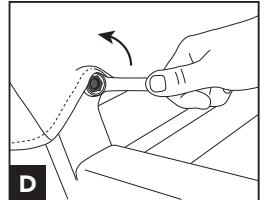


STEP 4

Repeat step (3) for the wall side lower nut and bolt.

STEP 5

Remove the aisle side upper bolt nut from the front side of the seat frame. **(FIG D)** Remove the bolt from the back side of the seat. Discard bolts and nuts.

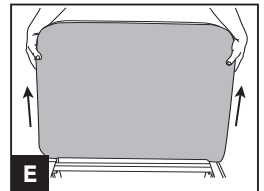


STEP 6

Repeat step (5) for the wall side upper nut and bolt.

STEP 7

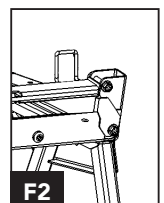
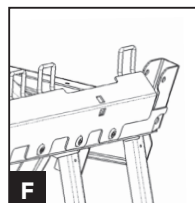
Carefully lift the base seat back straight up off the seat frame without any twisting that could cause the seat back frame to bind on the lower seat frame. **(FIG. E)**



SEE STEP 8 FOR LATCH BRACKET UPGRADES ONLY

STEP 8

Position LATCH bracket as shown **(FIG. F and F2 depict different styles)**. Bolts may be used to align the components, but they will need to be removed before adding the seat back.



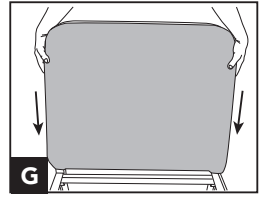
No Belts With and Without ICS

SafeGuard Seat Conversion Procedure

No Belts With and Without ICS

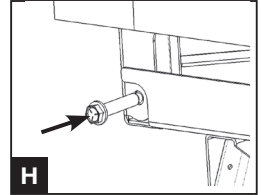
STEP 9

Lower new seat back module down into seat base rear channels. **(FIG. G)** Continue until seat back module lower posts are fully into base seat channels.



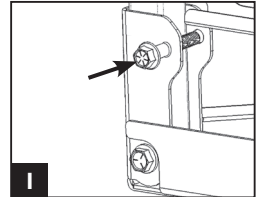
STEP 10

On aisle side, from seat rear, install lower (longer) bolt through seat back module lower attachment hole and seat base structure to position frame. **(FIG. H)** Add nut to front side but do not tighten.



STEP 11

From seat back side, install upper (shorter) bolt through seat back module upper attachment hole and seat base structure. **(FIG. I)** Add nut to front side but do not tighten. Repeat for wall side.

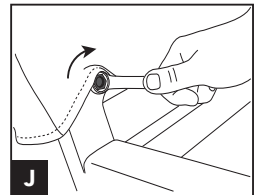


STEP 12

On wall side, from seat rear, install lower (longer) bolt through seat back module lower attachment hole and seat base structure to position frame.

STEP 13

Tighten the four (4) nuts/bolts to the upper and lower post attachment bolts installed in Steps 10-12 to 35-45 ft-lbs. torque. **(FIG. J)**



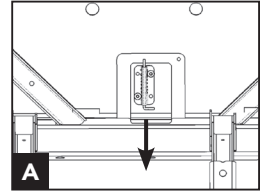
No Belts With and Without ICS

SafeGuard Seat Conversion Procedure

Lap Belts With and Without ICS

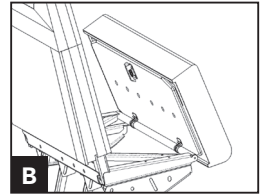
STEP 1

Reach under the aisle side of the seat cushion; release the latch by sliding the locking plate tab as shown. **(FIG. A)**



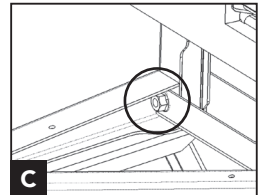
STEP 2

Lift up and pivot forward the rear of the seat cushion for access to the seat frame. **(FIG. B)**



STEP 3

Remove the aisle side lower bolt nut from the front side of the seat frame. **(FIG. C)** Remove the bolt from the back side of the seat. Discard bolts and nuts.

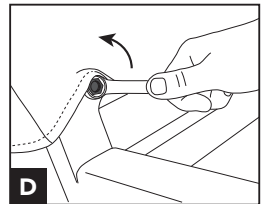


STEP 4

Repeat step (3) for the wall side lower nut and bolt.

STEP 5

Remove the aisle side upper bolt nut from the front side of the seat frame. **(FIG D)** Remove the bolt from the back side of the seat. Discard bolts and nuts.

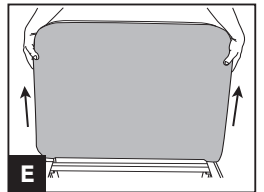


STEP 6

Repeat step (5) for the wall side upper nut and bolt.

STEP 7

Carefully lift the base seat back straight up off the seat frame without any twisting that could cause the seat back frame to bind on the lower seat frame. **(FIG. E)**



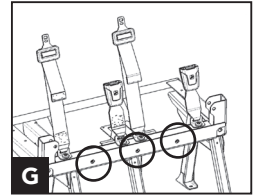
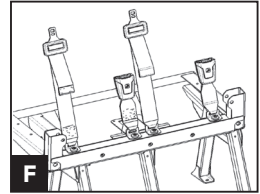
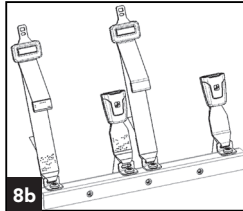
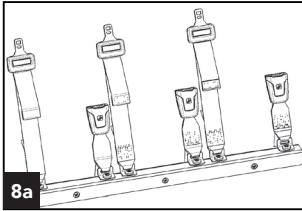
Lap Belts With and Without ICS

SafeGuard Seat Conversion Procedure

Lap Belts With and Without ICS

STEP 8

Assemble lap belt system as indicated in rear channel (**FIG. F**). See **8a** for a 39" lap belt assembly and **8b** for a 26", 30" or 36".



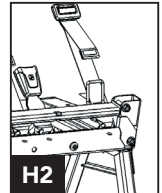
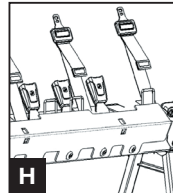
STEP 9

Install hex lobular drive bolts in all open locations on the seat back bracket. Torque nuts to 35-45 ft-lbs. (**FIG. G**)

SEE STEP 10 IF UPGRADE INCLUDES LATCH BRACKET

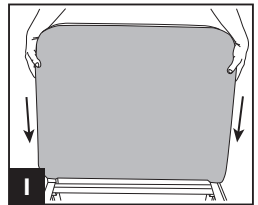
STEP 10

Position LATCH behind seat as shown. (**FIG. H and H2 depict different styles.**)



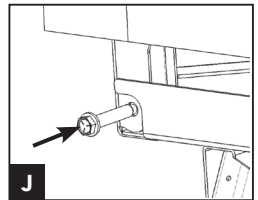
STEP 11

Lower new seat back module down into seat base rear channels. (**FIG. I**) Continue until seat back module lower posts are fully into base seat channels.



STEP 12

On aisle side, from seat rear, install lower (longer) bolt through seat back module lower attachment hole and seat base structure to position frame. (**FIG. J**) Add nut to front side but do not tighten.



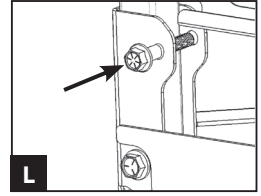
Lap Belts With and Without ICS

SafeGuard Seat Conversion Procedure

Lap Belts With and Without ICS

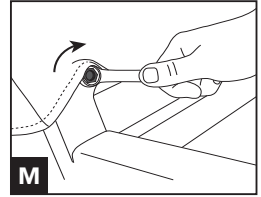
STEP 13

From seat back side, install upper (shorter) bolt through seat back module upper attachment hole and seat base structure. **(FIG. L)** Add nut to front side but do not tighten. Repeat for wall side.



STEP 14

On wall side, from seat rear, install lower (longer) bolt through seat back module lower attachment hole and seat base structure to position frame.



STEP 15

Tighten the four (4) nuts/bolts to the upper and lower post attachment bolts installed in Steps 13-15 to 35-45 ft-lbs. torque. **(FIG. M)**

Care and Maintenance

Cleaning of our products is approved with the following process **only**:

Vinyl Covered Seat Cushion, Back and Base:

- Use a damp sponge, towel or cloth with mild soap* and warm water. Gently scrub the vinyl material. Apply a separate wet towel to wipe off any soap* residue. Allow 10 minutes to air dry.

Seat Belt Webbing

- Wipe with a damp sponge, towel or cloth using mild soap* solution and warm water. Allow 15-20 minutes to air dry.

Buckles

- Wipe clean with a damp sponge, towel or cloth with warm water only. Never use cleaning products on buckles or buckle components. These cleaning products can cause harm to the mechanisms.

Never use lubricating agents to clean because they will compromise the integrity the seat belt buckle and webbing retractor.

- * Approved mild soaps for solution with warm water are Ivory, Dreft, Woolite, and Dawn dishwashing soaps.

Note: *Cleaning care and maintenance protocols are the responsibility of the owner. To maintain the integrity of the products, instructions must be followed. The owner assumes all responsibility for damages if he/she deviates from these cleaning instructions.*

This process aligns with the American Academy of Pediatric August, 2020 guidance document on the proper care and cleaning of child restraints during the COVID-19 Pandemic.

Care and Maintenance

Seat and Seat Belt Inspection

Seats should be regularly inspected and after a crash:

- Inspect frame members and welds for damage, signs of failure or corrosion.
- Inspect that all attachment fasteners are present and secure.
- Inspect vinyl covering for cuts, tears or punctures that expose seat cushion or seat back foam.
- Inspect foam for cuts or missing sections. Verify that no portion of seat frame can be felt through foam.
- Inspect for tight fit of seat cover over all foam. Replace foam if covering is loose or bagging.
- Replace foam if any localized collapse of foam exists.

If any of these conditions develop or exist on the SafeGuard Sabre Bus Seat, it will require repair or replacement of the affected parts immediately, regardless the age of the seat. See your OEM School Bus dealer or authorized SafeGuard Bus Seat dealer for replacement parts.

Lap-shoulder seat belt restraints and integrated child seat restraints on the SafeGuard Sabre Bus Seat should be regularly inspected and after a crash as follows:

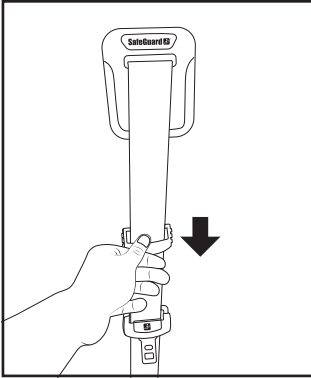
- Inspect belt on entire system for cuts, fraying, abrasion, and extreme or unusual wear.
- Inspect buckle for proper operation by inserting latch plate and listening for an audible click. Verify the buckle is not damaged cracked or broken.
- Inspect latch plate for proper operation by inserting into buckle. Latch plate must insert smoothly and produce an audible click. Verify proper latching by tugging on the belt. Latch plate must not be worn, deformed, or corroded.
- Inspect chest clips for damage and operation. Chest clip halves should not be damaged, cracked or broken. Clips should engage and disengage smoothly with each other. Move clip halves up and down. They must move freely.
- Inspect seat belt height adjuster for damage. Move adjuster up and down. It must move freely.
- Inspect retractor operation. When pulled and released slowly, webbing must spool out and retract without locking.
- Inspect mounting hardware at each restraint attachment point. Hardware should be tight. Hardware must not be missing, rusted, corroded, or damaged.

If any of these conditions develop or exist on the SafeGuard Sabre Bus Seat belt system, it will require replacement of the seat belt(s) immediately, regardless the age of the seat. See your OEM School Bus dealer or authorized SafeGuard Bus Seat dealer for seat belt replacement.

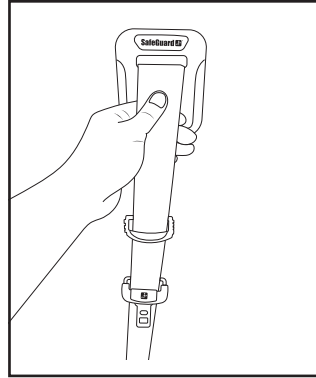
Care and Maintenance

Seat Belt Reverse Lock-Up Correction

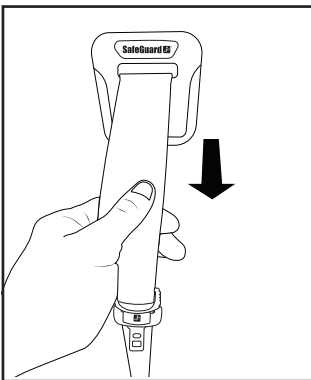
If during the seat installation process the lap-shoulder seat belt restraint becomes locked-up and cannot be pulled out, perform the following steps.



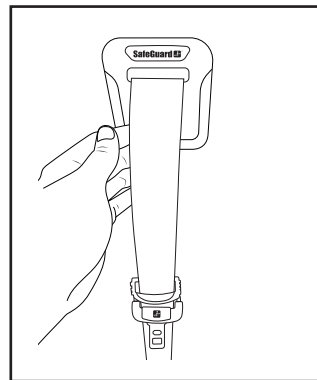
1. Move the shoulder height adjuster down.



2. Grasp the top of the shoulder belt webbing close to where it exits the top of the seat and above the shoulder height adjuster.



3. Pull the web with a constant even force, tight enough to allow web to retract back into the retractor in the seat.



4. Slowly release the web. This should unlock the retractor.

User Assistance

For assistance using the SafeGuard Bus Seat, contact the OEM Bus dealer or IMMI/SafeGuard Customer Service at 1-877-447-2305.

SafeGuard Bus lap-shoulder seat belt restraints and child restraints are certified to applicable U.S. Federal Motor Vehicle Safety Standards FMVSS 209, 213, and 302. The SafeGuard Bus Seat, when properly installed per the instructions and with applicable hardware, allows the bus to meet U.S. Federal Motor Vehicle Safety Standards FMVSS 210, 222, and 225.

safeguardseat.com

SafeGuard ®
School Bus Seating

Westfield, IN 46074-3001

Made in U.S.A.
SafeGuard Customer Service
1.877.447.2305