



Countries: CANADA, UNITED STATES **Document ID:** IK2200149
Availability: ISIS, Bus ISIS, IsSIR **Revision:** 0
Major System: BUS BODY **Created:** 5/15/2020
Current Language: English **Last Modified:** 6/17/2020
Other Languages: NONE **Author:** Brandon Akridge
Viewed: 96

[Less Info](#)
[Hide Details](#)

Coding Information

Copy Link 	Copy Relative Link 	Bookmark View My Bookmarks	Add to Favorites 	Print 	Provide Feedback 	Helpful 2	Not Helpful 1
---------------	------------------------	---	----------------------	-----------	----------------------	------------------	----------------------

Title: Adding Additional Protection to Driver's Area

Applies To: Bus

CHANGE LOG

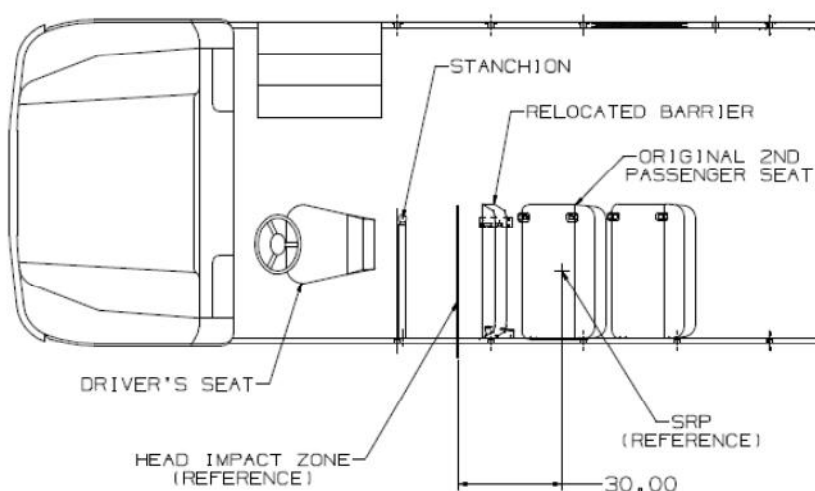
Please refer to the change log text box below for recent changes to this article:

06/17/2020 - Initial Article Release

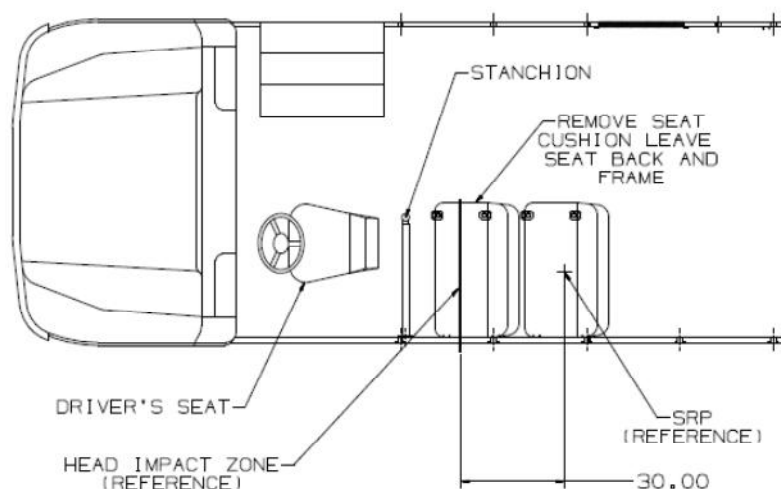
DESCRIPTION

This article is for adding additional protection to the driver's area of the bus to help mitigate the transmission of germs. In order to add a protective stanchion and shield behind the driver's seat, see 2 options below.

Option 1--Removing first seat, relocating crash barrier and installing a stanchion with shield aft of driver



Option 2--Remove crash barrier aft the driver and install a stanchion with shield, and remove the seat cushion from first seat

**NOTE:**

Replacing/Altering the first seat on a CMVSS certified bus will not be allowed, it will require other changes. CMVSS requires a set number of UCRA positions, which must be located in the first rows of each side. Moving a UCRA seat will also have an impact on seat spacing so it is strongly recommended that any dealer moving a UCRA seat to accommodate this barrier, request a new floor plan and adjust accordingly. If ordering a new bus with this feature, a new floor plan will be required

SPECIAL TOOL(s) / SOFTWARE

[Tools Resource Center](#)

SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Kit, Driver's Lexan Barrier	2522269C91	1	
Bolt, Carriage 1/2" (length needed may vary)	Source Locally	3 or 4	

**WARNING:**

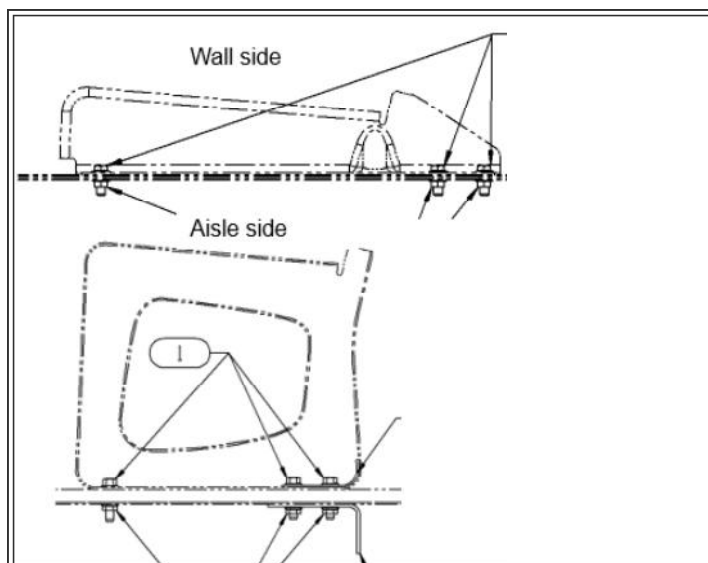
To prevent property damage, personal injury, and/or death, park vehicle on hard, flat surface, turn engine off, set parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

**WARNING:**

To prevent personal injury and/or death, always wear safe eye protection and other PPE when performing vehicle maintenance.

REPAIR STEP(s)

Option 1--Removing first seat, relocating crash barrier and installing a stanchion with shield aft of driver

REMOVAL PROCEDURE:**Figure 1: Seat bolts**

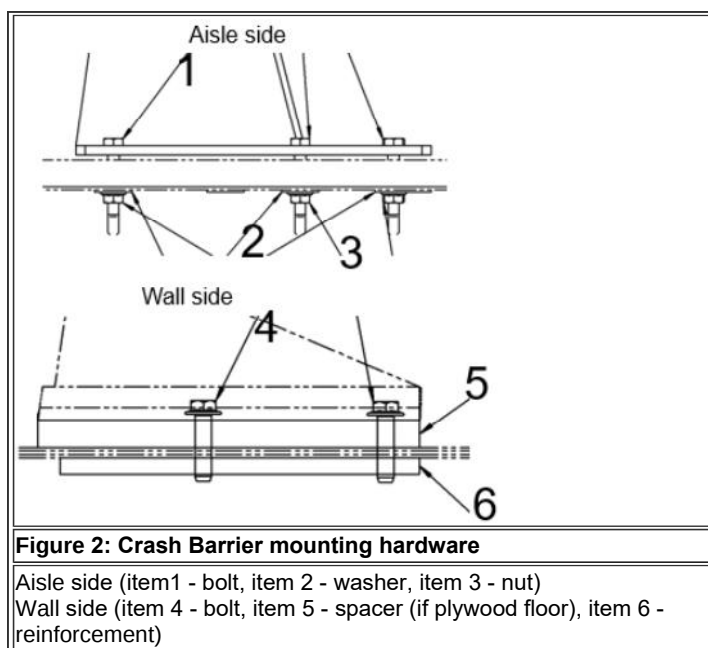
Item 1: Seat bolts

1. Measure the distance between the first bolt of the crash barrier and the first bolt of the first seat, this measurement will be used in the installation procedure step 1.





2. Remove seat bolts from Wall and Aisle side of first seat as shown in Figure 1.
3. Remove seat and save for future use or parts. Note: You may want to tag the seat with the vin for potential reuse.
4. Remove Aft of Driver Barrier bolts and barrier, see Figure 2 below. Barrier will be reused in installation procedure.



INSTALLATION PROCEDURE:

1. Using the measurement taken in Removal Procedure step 1, place the removed barrier in position so that the barrier (first bolt hole) is located forward of original seat 2 (first bolt hole), the same distance.
2. Take a marker/chalk and mark the location of mounting holes. Note: If any new seat rail mount holes are found to be within 1/2" of an old seat mounting holes, the old seat mounting hole must be plug welded, ground smooth, and painted before proceeding to next step.
3. Set the barrier to the side and drill new barrier mounting holes using a 7/16" drill bit in the seat rail and 1/2" in the floor

4. Position barrier over new mounting holes, then install the barrier mounting hardware and torque to 16-20 ft-lbs
5. Install carriage bolts in the remaining open holes in the floor. Note: bolt length may vary depending on floor sill location.



Carriage bolt
installed in open
hole in floor

6. To start installing the new stanchion aft of driver, the location will be at the zero bow (bow in front of first window, figure 4) and must be greater than 30" in front of the first seats SRP (see figure 3 below for defining location of SRP)

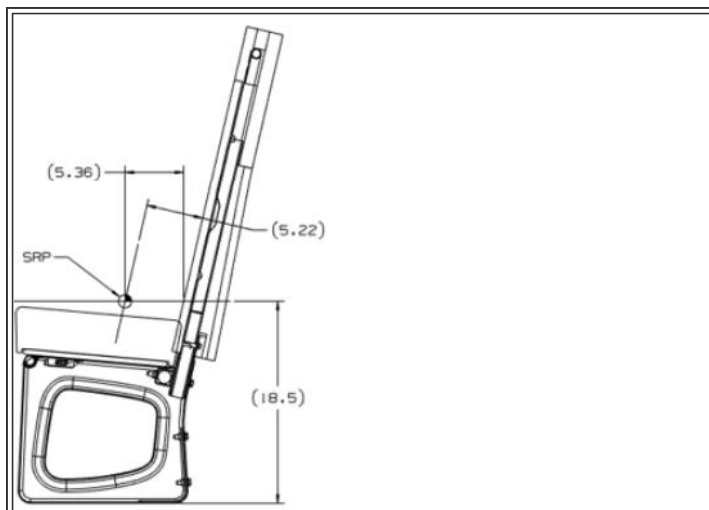


Figure 3: Seating Reference Point (SRP)

Example is of a standard IC Bus passenger seat

7. See figure 4 for illustration of correct mounting location of new stanchion

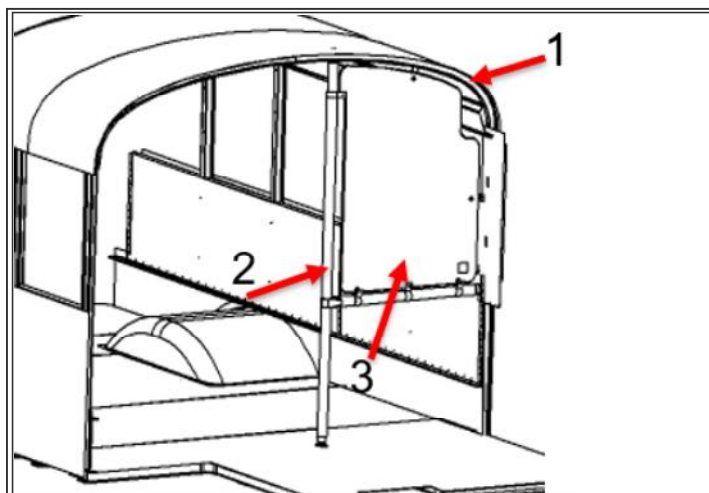


Figure 4: Stanchion location

Item 1: Zero Bow
Item 2: Stanchion
Item 3: Lexan shield

8. Sub-assemble the stanchion foot assembly as shown in Figure 5, and then the complete stanchion and install to the floor, ceiling, and wall as shown in figure 4.



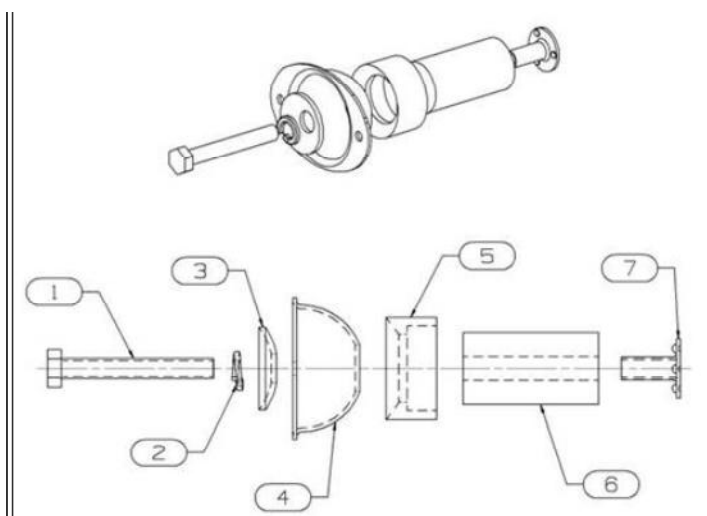


Figure 5: Stanchion Foot Assembly

Item 1: Bolt, Item 2: Lock washer, Item 3: Washer

Item 4: Foot Base, Item 5: Rubber Collar

Item 6: Stanchion Rubber Bushing

Item 7: Special Nut

9. Install Lexan shield to the top of the stanchion using parts as shown in figure 6 below.

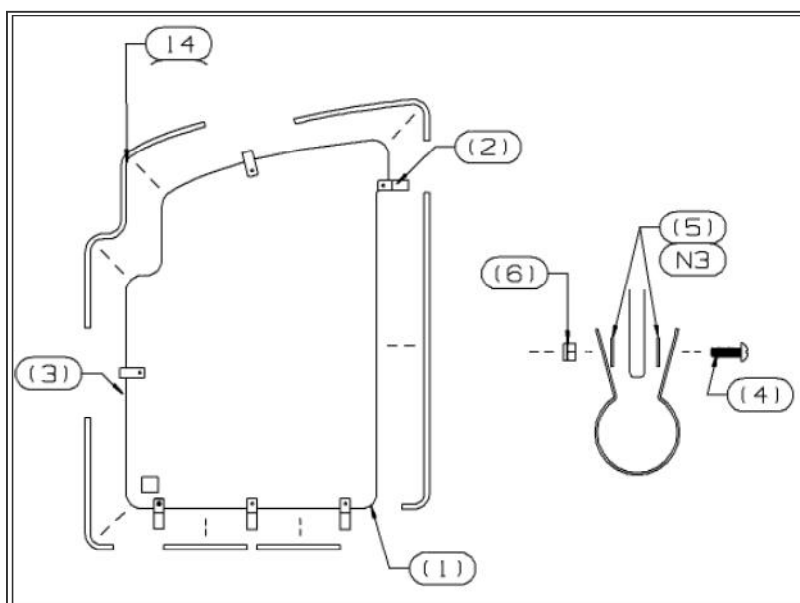


Figure 6: Lexan shield components

Item 1: Lexan shield, Item 2: clamp, Item 3: wall mount support

Item 14: edge guard banding

Item 4: bolt, Item 5: washer, Item 6: Nut

Option 2--Remove crash barrier aft the driver and install a stanchion with shield, and remove the seat cushion from first seat

REMOVAL PROCEDURE:

1. Remove Aft of Driver Barrier bolts and barrier, see Figure 2 above. Barrier can be saved for parts or future reuse.
2. Flip up seat cushion on first passenger seat to allow access to P clamps on forward bar, see Figure 7 below

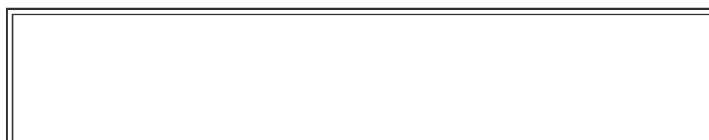




Figure 7: Seat cushion

Item 1: Seat Latch

Item 2: P clamp

3. Remove screws from P clamps and lift off the seat cushion. Save seat cushion for parts or future reuse.

INSTALLATION PROCEDURE:

1. For holes left in floor from crash barrier, install carriage bolts.
2. To start installing the new stanchion aft of driver, the installation will be the same as in Option 1: Installation Procedure: Steps 6-9

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

Hide Details	Feedback Information
	Viewed: 95
	Helpful: 2
	Not Helpful: 1
No Feedback Found	

Copyright © 2020 Navistar, Inc.