



TECHNICAL SERVICES INFORMATION BULLETIN

TSIB 22-03 Rev A		February 16, 2022
TO:	All Operators	
TITLE:	Kiel Avance Seat Retaining Hardware Replacement	
APPLICABILITY:	MCI coaches equipped with Kiel Avance seat models 1020, 1030, 2010, 2025, and 2050 before MY 2020 (VIN: J4500- 69517, J3500- 21031, D45CRTLE- 81035, D4000/D4500/D4505/D4005/D4000 ISTV- 15537)	

WARNING

Read this entire procedure before beginning work.

Use Safe Shop Practices at All Times.

To avoid personal injury:

- a. Proper Personal Protective Equipment (PPE) must be worn. Safety glasses and protective gloves are required for working with DEF Fluid.*
- b. Turn the main battery disconnect switch to the OFF position.*
- c. Ensure that both the front and the rear wheels are chocked.*
- d. Position the ENGINE RUN and ENGINE START switches on the engine compartment remote control box to the OFF position.*
- e. Allow enough time for components to cool down prior to working in the engine compartment.*



1.0 Description

This TSIB is to remind customers of recommended passenger seat inspections for operation and hardware torque requirements at intervals specified in section 10 of the maintenance manual. For coaches equipped with Kiel Avance seats, Kiel identified a possibility of seat backrest attachment hardware loosening from seat chassis due to vibration. Please see Kiel N.A.'s work instruction WI-PR-FA-030 (attached in the following pages) regarding replacement of existing nuts with locknuts to avoid such a possibility. Please also refer to Kiel N.A.'s "Preventive Maintenance Recommendations".

Kiel is providing a kit containing 57 sets of hardware, enough to rework a coach, free of cost to MCI's customers.

Customers interested can order parts from MCI/NFI parts free of cost and perform the rework.

2.0 Material Requirements

Item	Part Number	QTY	U/M	Description
1	6491720	1	EA	Kit-Seat Hardware Kiel Avance

3.0 Special Tools

N/A

4.0 Rework Instructions

Work Instruction



WI-PR-FA-030 Replacement of backrest attachment hardware with addition of mechanical lock nut instruction.

1. Purpose

The purpose of this work instruction is to ensure the high quality, safety, and security throughout all backrest reworking or reinstallation process.

2. Field of Application

Instruction validity applies to Kiel field service technicians and Kiel trained designates.

3. Work - disassembly

Picture 1.



Remove seat cushions by lifting front of cushion and pulling forward.

Picture 2.



Remove hex nuts (2 per seat place)

Inspections

	Production:	Inspection:	Clearance:
Name / Signature:	R. Sperka	M. Mayo	R. Oswald
Date:	February 14, 2022	February 14, 2022	February 14, 2022
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Work Instruction



Work Sequence

Inspections

Picture 3.



Remove 12mm SHCS (2 per seat place) using 10mm hex tool.

Reinstalling the hardware
Picture 4



Install 301525 M12 X 40 SHCS (2 per seat place) using 10mm hex tool and tighten hand tight.

Picture 5.



Install 301528 locknut (2 per seat place) by hand.

Work Instruction

Work Sequence

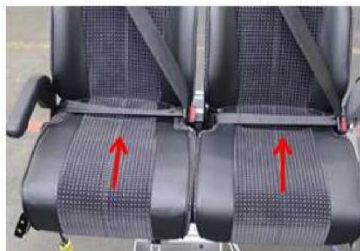
Inspections

Picture 6.



Use 10mm hex tool to hold screw while using 19mm wrench to tighten lock nut (2 per seat place).

Picture 7.



Install seat cushions.



Work Instruction



Work Sequence

Inspections

If you have questions or need further assistance, please contact MCI Technical Call Center @ 1-800-241-2947.