

MODEL:	TYPE:	SECTION/GROUP:	DATE:
D Series	Field Change Program	07- Electrical	May 28, 2018

Customer Complaint:

Johnson Controls has notified Motor Coach Industries ("MCI") that a defect may exist in certain RECARO driver's seats installed on certain D coaches, which may cause the coaches' telltale to activate erroneously. The driver's seat telltale may become active after the seat belt has been buckled in.

Cause:

Intermittent electrical failure of buckle on Recaro driver's seats.

Corrective Action:

MCI and Johnson Controls strongly recommend that the driver's seat buckles on the affected coaches be retrofitted, as per RECARO's instruction outlined in this bulletin. The parts needed to carry out the rework can be ordered from NFI.parts, MCI P/N **03-12-1331**.

WARNING

Read this entire procedure before beginning work.

Use Safe Shop Practices At All Times.

To avoid personal injury:

- a. Turn the main battery disconnect switch to the OFF position.***
- b. Ensure that both the front and the rear wheels are chocked.***
- c. Position the ENGINE RUN and ENGINE START switches on the engine compartment remote control box to the OFF position.***
- d. Prior to working in the engine compartment, allow enough time for components to cool down***

ERGO M (AM80, AM72 & AM71)

SEAT BELT BUCKLE FIELD REPLACEMENT INSTRUCTIONS

OLD BUCKLE IMAGE (Date code stamped on buckle cover):



REPLACEMENT/NEW BUCKLE IMAGE (Part number stamped on buckle cover):



Ergo M AM80 REPLACEMENT INSTRUCTIONS

Tools Needed:

- Phillips #2 screwdriver
- Large Flat head screwdriver
- Side cutters
- Small pick
- 5/8" hex wrench/socket
- Torque wrench

1. Remove the hole plugs from lower rear trim panel using small pick. Save for re-use. Remove rear lower trim panel using Phillips #2 screwdriver. Set aside caps, screws, and panel.

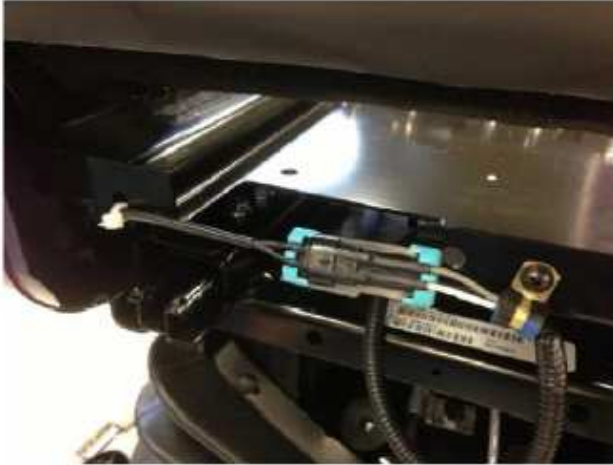


2. Remove hand wheel from the recliner on the same side as the buckle by prying gently with a large flat head screwdriver. Remove rear side trim panel using Phillips #2 screwdriver. Move to the side to gain access to the seat belt buckle bolt.





3. Disconnect the electrical connector from the seat belt buckle to the jumper harness, if the seat is equipped with a seat belt alarm. Cut the small zip tie with side cutters, ensuring the wire harness is not damaged.



Buckle on LH side of seat



Buckle on RH side of seat

4. Using a 5/8" socket, remove the seat belt buckle bolt from the J bracket. (Option shown below is on the left hand side, the buckle can be installed on the left or right side.)



5. Remove the buckle and hardware from the seat. Set aside to return to RECARO. Record to serial number of the seat to tag the buckle. The serial number is located on the white 4X1 sticker located on the top rear plate of the suspension.



6. Obtain the new buckle and route the end of the buckle through the opening in the side rear trim panel. Place large washer & buckle on J bracket and hand start bolt. If the seat does not require a seat belt alarm, cut the wire off as close to the base of the heat shrink tubing as possible. If it does require an alarm, ensure the washer does not pinch the wire harness. Torque to 50 +/- 4 Nm.



7. Connect the seat belt alarm on the buckle to the jumper harness on the seat. Loop the small zip tie around the cushion frame to ensure the wire harness is routed the same as it was previously.



Buckle on LH side of seat



Buckle on RH side of seat

8. Replace the side trim panel and secure the screw to the cushion frame with the Phillips #2 screwdriver. Replace the recliner knob on the recliner shaft, ensuring it is symmetrically installed with the opposite side. Replace the rear trim panel and secure all 4 screws and replace the hole plugs.

Ergo M and MCII AM71/72 (TETHER BAR MOUNTED) REPLACEMENT INSTRUCTIONS

Tools Needed:

- Small pick
 - Side cutters
 - 5/8" hex wrench/socket
 - Torque wrench
1. Using a small pick, remove the cap from the seat belt buckle bolt on the side of the tether bar.
 2. If the seat is equipped with a seat belt alarm, cut the small zip tie with side cutters, ensuring the wire harness is not damaged. Raise the seat to full up to ensure access is maintained to the seat belt wire harness, in the back of the suspension. Disconnect the seat belt buckle from the jumper on the seat.



Example of left hand, normally-closed buckle

3. Using a 5/8" socket, remove the seat belt buckle bolt from the tether bar. (Option shown below is on the left hand side, the buckle can be installed on the left or right side.)

Standard LH belt, tether configuration (buckle side close to suspension)



Standard N/C buckle

Standard N/O buckle

Shifted LH belt, tether configuration (buckle side extended away from suspension)



Shifted tether bar N/C buckle

Shifted tether bar N/O buckle

4. Remove the buckle and hardware from the seat. Set aside to return to RECARO. Record to serial number of the seat to tag the buckle. The serial number is located on the white 4X1 sticker located on the top rear plate of the suspension.



5. Install seatbelt buckle (N/C standard-30822807E-01, N/O-30987307E) with bolt (30819307) and washer (30822707) under the head of the bolt and one of the following (ensuring the wire harness does not get pinched between any of the washers):

	Washer stack between buckle and tether bar	
	N/C buckle (normally closed)	N/O buckle (normally open)
Standard tether bar config.	1	3
Shifted tether bar config.	0	2

Standard LH belt, tether configuration (buckle side close to suspension)



Standard N/C buckle



Standard N/O buckle

Shifted LH belt, tether configuration (buckle side extended away from suspension)



Shifted tether bar N/C buckle



Shifted tether bar N/O buckle

6. Connect the seat belt alarm on the buckle to the jumper harness on the seat. Loop the small zip tie around the cushion frame to ensure the wire harness is routed the same as it was previously. Secure the buckle wire high on the back side of the tether bar with a zip tie at the 90° bend of the bar. Angle the

routing of the buckle wire down toward the bottom edge of the tether bar and secure with a second wire tie as close to the suspension as possible. Clip off the excess ends of the wire ties.



Example of left hand, normally-closed buckle



Example of right hand, normally-open buckle

7. Torque the buckle bolt to 50 +/- 4 Nm. Replace the bolt cap.

Do not throw out the old buckles.

RECARO requires all replaced buckles returned to:

Bridgewater Interiors Inc.

4617 W. Fort St.

Detriot, MI 48209

RA #

Attn: QC (Seatbelt Buckle Recall)

UPS Ground Collect: 698 626

Any questions, contact John Marble, RECARO QC

John.L.Marble.Jr@recaro-automotive.com

Ph # 313-842-3416



Field Change Program Conditions:

The parts required for the retrofit will be supplied and shipped without charge by MCI. A labor reimbursement of 0.30 hrs will be granted by MCI.

Motor Coach apologizes for any inconvenience resulting from this campaign, but urges you to implement this change as soon as possible.

Sincerely,

Motor Coach Industries



MCI FIELD CHANGE PROGRAM (FCP) VERIFICATION

CONTACT INFORMATION	
CUSTOMER NAME: _____	
<small>(PLEASE PRINT)</small>	
FCP INFORMATION – ONE FORM PER UNIT	
FCP#: _____ Coach Model _____ Model Year _____	
COACH SERIAL #: (At least the last 5 digits)	DATE COMPLETED ___ / ___ / ___
MILEAGE:	
<u>IMPORTANT:</u> TO RECEIVE CREDIT FOR ANY ALLOWABLE LABOR CHARGES, THIS VERIFICATION FORM MUST BE RETURNED TO MCI UPON COMPLETION OF THE FCP.	
SUBMITTED BY: (Please Print) _____	
	DATE ___ / ___ / ___
TITLE: (Please Print) _____	
SIGNATURE: _____	
COMMENTS: 	

FAX TO: 800-360-8886



To receive credit for the hours used to complete this task mail or fax the completed limited warranty claim form and verification form to MCI's warranty department, or photocopy and mail to:

MCI Fleet Support

Attn: Warranty Department

7001 Universal Coach Drive Louisville, KY 40258

Fax Number 1-800-360-8886

Contact the MCI Fleet Support Technical Center at 1-800-241-2947 for any further information.