
Electric seat fore/aft adjustment nonfunctional

Topic number	LI91.10-P-054143
Version	3
Design group	91.10 Front seats
Date	07-10-2013
Validity	Model series 204, 207, 212 and 218 with fully electric seat adjustment
Reason for change	Added 204.0 and 204.9

Complaint:

1. Noises when operating electric seat fore/aft adjustment
2. Electric fore/aft adjustment nonfunctional
3. Adjustment is biased to one side, which bends the seat frame

Cause:

1. Frictional vibrations along fore/aft adjustment shaft
2. Motor detached owing to mechanical damage to electric motor retaining plate caused by the customer
3. One side of the seat adjustment drive shaft has come out

Remedy:

For models 204.3, 207, 212 and 218 the adjustment motor, shafts and electric motor retaining plate can be replaced:

(Contents of parts kit, see Pic12)

1. Move seat to forwardmost position
2. Remove seat cushion as per work instructions (Note: you do not have to cut the pneumatic lines as indicated in work instructions (see Pic10) - take care not to pinch or kink the lines!)
3. Detach plastic rails used to mount control unit (Pic1)
4. Disconnect electric motor plug contact
5. Remove bolts T40 securing electric motor retaining plate (Pic2)
6. Push out electric motor upward (Pic3)
7. Remove electric motor
8. Pull shafts out of rails using pliers

Important: To ensure the parallelism of the two rails, do not twist the shafts and do not push against the rails mechanically.

9. Remove electric motor retaining plate

10. Position new electric motor retaining plate and screw in new bolts by a few threads

11. Insert shafts all the way into rails

Important: Do not turn the shafts by hand.

If the electric motor or one of the shafts has become detached as a result of the damage,

it is essential to check and, if necessary, to restore the parallelism.

To do so, compare the longitudinal position of the rear edge of the respective rail using a measuring tape (Pic11) and adjust by turning the inserted shaft

12. Attach rubber mounts to new electric motor

13. Attach electric motor to short shaft first (Pic4)

Note: The electrical connection must always point upward.

14. Attach rubber cap to long shaft and insert long shaft at electric motor

15. Secure shaft and electric motor on retaining plate (Pic5-7)

16. Tighten bolts securing electric motor retaining plate to 25Nm

17. Assemble remaining components in reverse order

For model 204.0 and 204.9 the entire seat frame must be replaced and seat motor should be reinforced:

The customer should be made aware that adjusting the seat with items underneath it can and will damage the seat. Replace affected seat frame (follow WIS document AR91.10-P-1450CW). To prevent this issue from occurring again, use a cable tie to secure the fore/aft motor to mounting bracket on both the new seat frame, as well as the other seat frame (as illustrated in the attached picture motor_reinforce.jpg).

Attachments	
File	Designation
Pic1.jpg	Unclip plastic rails
Pic2.jpg	Bolts securing electric motor retaining plate
Pic3.jpg	Remove electric motor
Pic4.jpg	Attach electric motor to short shaft
Pic5.jpg	Clip in shaft
Pic6.jpg	Clip in electric motor
Pic7.jpg	Clip in shaft
Pic11.JPG	Check parallelism
Pic10.jpg	Seat cushion without removing pneumatic lines
motor_reinforce.jpg	cable tie reinforcement

Symptoms
Body / Seat / Seat noises / Whirring
Body / Seat / Seat adjustment / Stiff/sluggish
Body / Seat / Seat adjustment / Does not adjust aft

Body / Seat / Seat adjustment / Does not adjust fore

Body / Seat / Seat adjustment / Noise

Body / Seat / Seat adjustment / Function error

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
A0009107802			Parts kit - fore/aft adjustment	1	Left, with memory		X
A0009107902			Parts kit - fore/aft adjustment	1	Right, with memory		X
A 004 997 98 90			cable tie	2	Model 204.0 and 204.9 repairs only	X	
A 204 910 75 36			Left seat adjuster	1	Model 204.0 and 204.9 with code 275	X	
A 204 910 76 36			Right seat adjuster	1	Model 204.0 and 204.9 with code 242	X	

Attachments

File	Designation
SDC12198.JPG	Content of parts kit

Work units

Op. no.	Operation text	Time	Damage code	Note
			91A1M 36	Left front seat electric seat fore/aft adjustment shaft
			91N1M 36	Right front seat electric seat fore/aft adjustment shaft

WIS-References

Document number	Title	Note	Allocation
ar91.10-p-3310cw	Remove/install seat cushion	Model series 207/212	Remedy
AR91.10-P-1450CW	Remove/install front seat adjustment mechanism	Only for models 204.0 and 204.9	Remedy