



# Technical Service Bulletin

SUBJECT: <b>FRONT SEAT SLIDE RAILS – LOCK POSITION TIMING NOT SYNCHRONIZED</b>			No: <b>TSB-16-52A-001</b>
			DATE: <b>February, 2016</b>
			MODEL: <b>2014-15 Mirage</b>
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

## PURPOSE

A customer may report a condition where, after adjusting the seat slide position (forward or rearward), one of the seat rails does not lock into position when the adjuster bar is released. An unlocked inner or outer seat rail allows for excessive motion in the seat cushion, usually noticed when the occupant redistributes their body weight while sitting in the seat. This condition may be due to unsynchronized lock position timing between the inner and outer rail.

This TSB instructs dealers how to adjust and synchronize the front seat slide rail lock position timing on the vehicle.

## AFFECTED VEHICLES

2014 – 2015 Mirage vehicles built **before** April 29, 2014

## REPAIR PROCEDURE



Use all tools with care to prevent scratches on interior trim.

**NOTE:** There are 2 types of front seats: one with a height adjuster, and one without a height adjuster.

- With height adjuster: Start with step 1.
- Without height adjuster: Start with step 2.

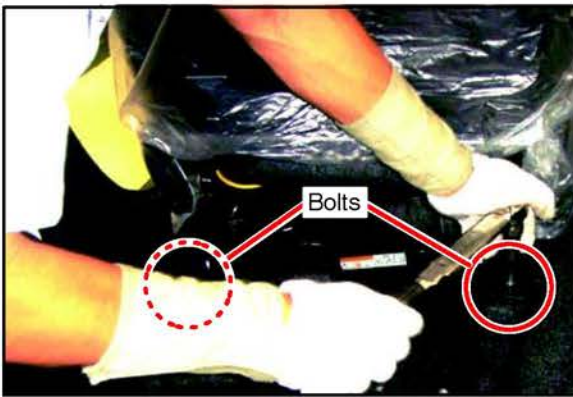


1. With height adjuster:  
Adjust the height of the seat cushion to the highest position by turning the lifter counterclockwise.



2. Slide the seat to its rearmost position.
3. Loosen the inner and outer nuts at the front of both seat rails.

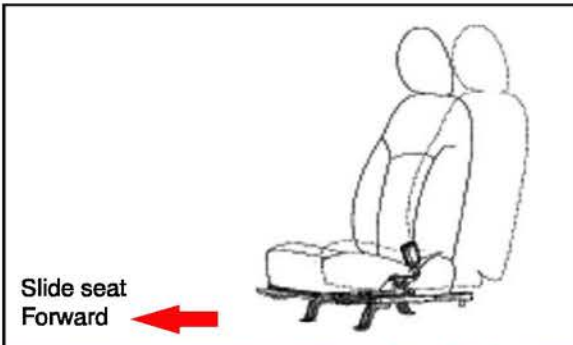
**NOTE:** Do not completely remove the nuts. Keep 2–3 threads engaged to prevent the seat from rocking backward.



4. Slide the seat to its forwardmost position.
5. Loosen the inner and outer bolts at the rear of both seat rails.

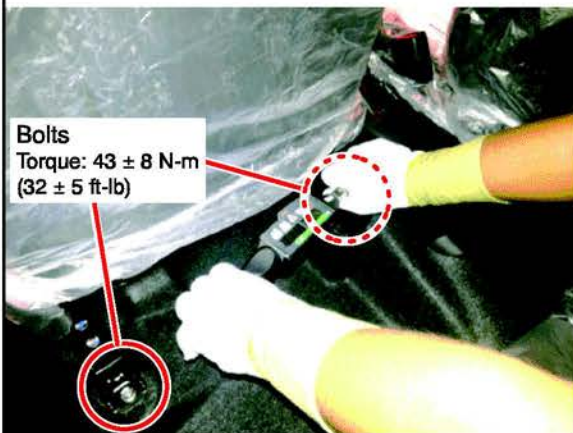
**NOTE:** Do not completely remove the bolts. Keep 2–3 threads engaged to prevent the seat from rocking backward.

6. Slide the seat forward and backward by hand to confirm that the seat rails operate smoothly.

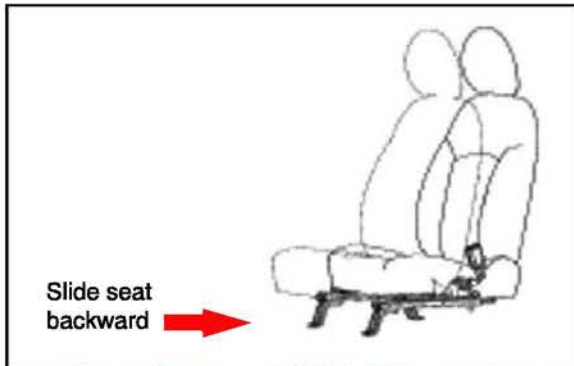


7. Slide the seat forward to its forwardmost position.
8. Securely lock the inner and outer rails into position, then securely tighten the bolts to the proper torque listed below.

**Torque:  $43 \pm 8$  N-m ( $32 \pm 5$  ft-lb)**







9. Slide the seat backward to its rearmost position.
10. Securely lock the inner and outer rails into position, then securely tighten the nuts to the proper torque listed below.

**Torque:  $30 \pm 5$  N-m ( $22 \pm 3$  ft-lb)**



**!! IMPORTANT !!**

**Verify that the bolts and nuts are tightened securely to the correct tightening torque.**

11. Check the electrical connectors under the seat bottom assembly to ensure that none of the connectors became dislocated or disconnected during the previous steps.

**CAUTION**

**Make sure that all connectors under the seat are NOT damaged, and are connected securely if they were accidentally disconnected.**



12. Confirm that the slide adjuster operates smoothly and verify the lock position timing is synchronized.
13. Start the engine and confirm NO airbag or other warning lights are illuminated.

**WARRANTY INFORMATION**

This bulletin is supplied as technical information only and is not an authorization to repair. If an affected vehicle is reported with the described condition, diagnose the condition, repair as described in this bulletin and submit a normal warranty claim using the following information.

<b>Side</b>	<b>Labor Operation Code</b>	<b>Nature Code</b>	<b>Cause Code</b>	<b>Time Allowance</b>
Driver Side	521152HE	480	59D	0.3 hrs
Passenger Side	521252HF			
Both Sides	521152HG			0.4 hrs

Warranty Coverage: 5/60 Basic Coverage