

MDX/RDX Sunroof and Sunshade Function Loss

AFFECTED VEHICLES

Year	Model	Trim Level
2022	MDX	ALL
2019–22	RDX	ALL

If you are inspecting an MDX/RDX and notice a loss of auto function or no function of the sunroof/sunshade, please try these steps before removing any parts or trying any other repairs.

LOSS OF AUTO FUNCTION

1. Confirm that the manual operation works on both glass and sunshade.

NOTE:

- Do not fully open the glass; if the auto function is lost, it could open too far and cause damage to mechanical components.
- If the glass or shade does not operate, go to NO FUNCTION/MOVEMENT OR NO RELAY CLICK.

2. Do the reteach procedure.

NOTE: If the panoramic glass temperature is above 50C (122F), move the vehicle indoors and allow it to cool down. The procedure cannot be completed if the part temperature exceeds 50C (122F).

- Start the engine. (Engine must be running to complete).
- Firmly press and hold the panoramic glass roof switch to its AUTO CLOSE (second detent) position. Do not release the switch until all motion is completed. If the teaching process is interrupted, you will have to start over. The glass will fully close, open, and close. Once all movement has stopped, release the switch.
- Firmly press and hold the power sunshade switch to its AUTO CLOSE (second detent) position. Do not release the switch until all motion is completed. If the teaching process is interrupted, you will have to start over. The sunshade will close, open, and close. Once all movement has stopped, release the switch.
- Check that the auto function has returned.
- If the auto function has not returned, please wait 10 minutes, and try the procedure again.

NOTE: Reteach procedure will not work if the motor is near thermal protection. Therefore, it may be necessary to wait before doing the reteach procedure.

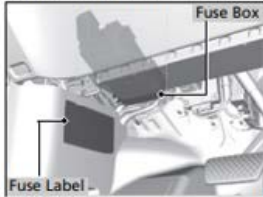
NO FUNCTION/MOVEMENT OR NO RELAY CLICK

1. Remove and inspect/replace the fuses for the panoramic sunroof and the sunshade. (There are two separate fuses.)

MDX:

Driver's Side Interior Fuse Box Type A

Located under the dashboard.



Fuse locations are shown on the label on the side panel. Locate the fuse in question by the fuse number and label number.

Circuit protected and fuse rating

Circuit Protected	Amps
1 Driver's Power Window	30 A
2 Front Passenger's Power Window	30 A
3 Rear Passenger's Side Power Window	30 A
4 Rear Driver's Side Power Window	30 A
5 Option	10 A
6 SRS	10 A

Circuit Protected	Amps
7	-
8	-
9	-
10 Door Lock Main	20 A
11 Meter	10 A
12 Transmission	10 A
13 Battery Fan ^{*1}	10 A
14 Starter Motor	10 A
15 Driver's Door Unlock	7.5 A
16 Panoramic Roof	20 A
17	-
18	-
19	-
20 Ambient Lighting	(10 A) ^{*1} 10 A ^{*2}
21 Accessory Power Socket (in the Console Compartment)	20 A
22 Keyless Access System	10 A
23 Driver's Door Lock	7.5 A
24	-
25 Shifter	10 A
26 SRS	10 A
27 ACG	15 A ^{*1} 10 A ^{*2}
28 VSA/ABS	10 A

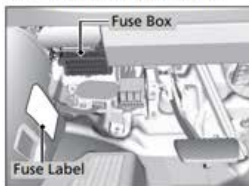
Circuit Protected	Amps
29 Fuel Pump	20 A ^{*1} 10 A ^{*2}
30 Driver's Side Door Unlock	10 A
31 Passenger's Side Door Unlock	7.5 A
32 Steering Column Adjust	20 A
33 IMG	10 A
34	-
35 Steering Column Adjust	20 A
36 Sunshade	20 A
37	- ^{*1}
38 Audio Amp ^{*2}	(20 A)
38 Option	10 A
39 Passenger's Side Door Lock	7.5 A
40 Driver's Power Seat	30 A
41	- ^{*1}
41 Driver's Massage Seat ^{*1, *2}	(10 A)
42	-
43 AIRCON	10 A
44 Daytime Running Lights	10 A
45 ACCESSORY	10 A
46	-
47 Driver's Side Door Lock	10 A
48	-

*1: 3.5 L engine models
*2: 3.0 L engine models

RDX:

Interior Fuse Box Type A

Located under the dashboard.



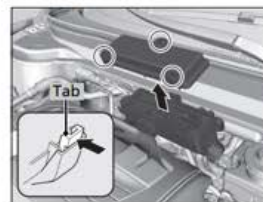
Fuse locations are shown on the label on the side panel. Locate the fuse in question by the fuse number and label number.

Circuit protected and fuse rating

Circuit Protected	Amps
1 BACK-UP LIGHT	10 A
2 STARTER MOTOR	10 A
3 OPTION	10 A
4	-
5	-
6	(10 A)
7	-
8	-
9 IG1 R/B	15 A
10 DR REAR DOOR LOCK	10 A
11 DR DOOR LOCK	10 A
12 AS SIDE DOOR LOCK	10 A
13 AS SIDE DOOR UNLOCK	10 A
14 DR DOOR UNLOCK	10 A
15 OPTION 2	10 A
16 SMART	10 A
17 SUNROOF	20 A
18 HEATED STRG WHEEL [*]	(10 A)
19 REAR LEFT P/W	20 A
20 SRS	10 A

Engine Compartment Fuse Box Type B

Fuse locations are shown on the fuse box cover. Locate the fuse in question by the fuse number and box cover number. Located near the battery. Push the tabs to open the box.



Circuit Protected	Amps
11 PTG CLOSER MTR	20 A
12	-
13 DR P/SEAT 1	30 A
14 AS P/SEAT 2	30 A
15 AS P/SEAT 1	30 A
16 RR DEF	40 A
17 AMP	30 A ^{*1} 40 A ^{*2}
18 SUNSHADE	20 A
19 DR P/SEAT 2	30 A
20 AS P/SEAT 3	30 A
21 SBW	10 A
22 TRL HAZARD [*]	7.5 A
23 BMS	10 A
24 PTG MTR	40 A

2. Replace the fuses.
3. Check if the auto function has returned.
 - If the function has not returned, reattach procedure may be needed to return the auto function.
 - If the function has not returned, wait 10 minutes to allow the motor to cool in case it is near thermal protection.
4. Remove the overhead console and check for harness damage or soft set couplers.
5. After completing all the above checks, if there is no change in function or improvement, you can remove parts to gain access to the panoramic glass roof and sunshade motor.

END