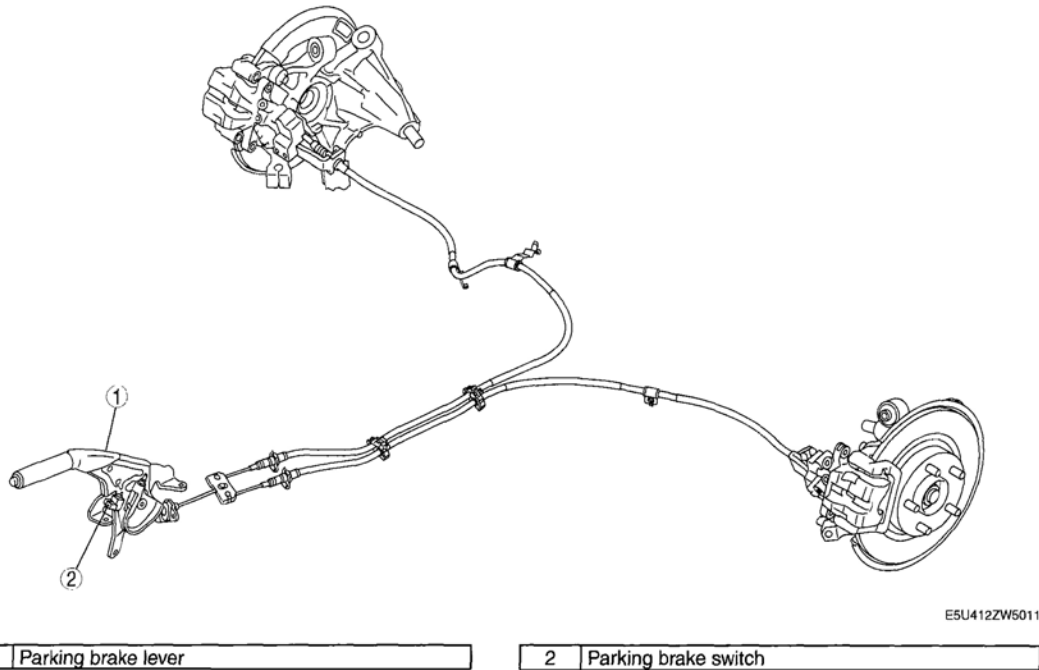


## 2007 BRAKES

### Parking Brake System - MX-5 Miata

## PARKING BRAKE SYSTEM LOCATION INDEX



**Fig. 1: Identifying Parking Brake System Components**  
Courtesy of MAZDA MOTORS CORP.

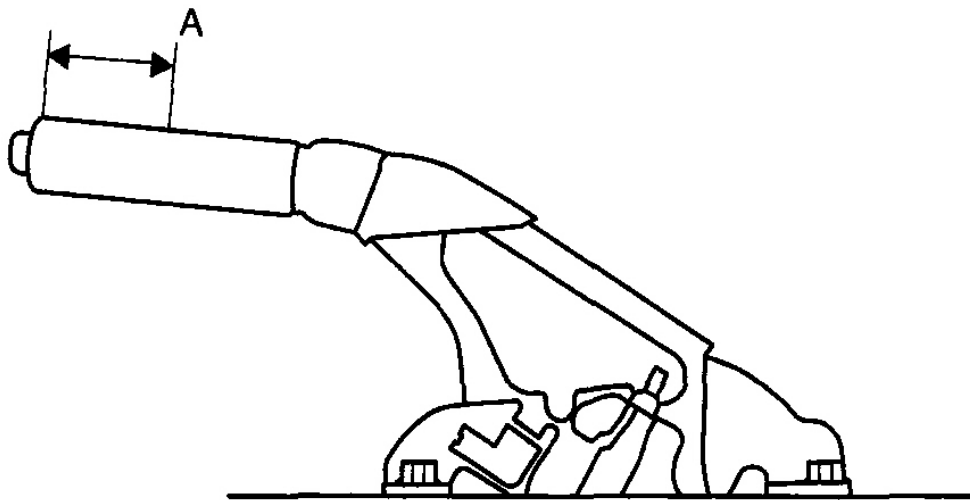
## PARKING BRAKE LEVER INSPECTION

### STROKE INSPECTION

1. Depress the brake pedal several times.
2. Pull the parking brake lever **2-3 times**.
3. Inspect the parking brake stroke by slowly pulling at point **A 50 mm {1.97 in}** from the end of the parking brake lever with a force of **98 N {10 kgf, 22 lbf}** and counting the number of notches (clicking sound).
  - If not within the specification, adjust the parking brake lever.

**Parking brake lever stroke when pulled at 98 N {10 kgf, 22 lbf}**

**1-3 notches**

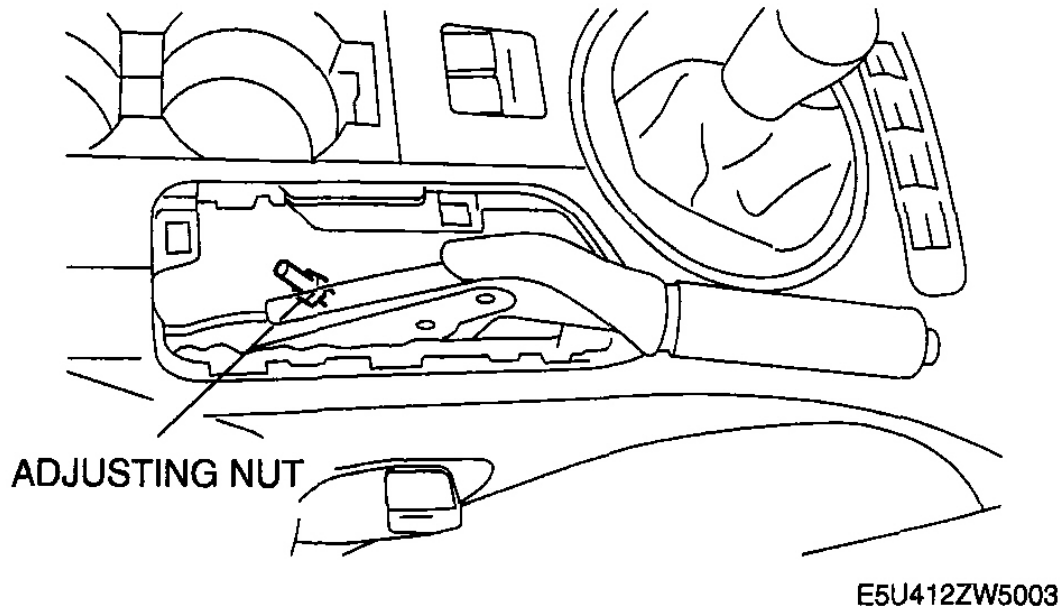


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**Fig. 2: Inspecting Parking Brake Stroke**  
Courtesy of MAZDA MOTORS CORP.

## PARKING BRAKE LEVER ADJUSTMENT

1. Depress the brake pedal several times.
2. Remove the parking brake lever boot.
3. Turn the adjusting nut and adjust the parking brake lever.
4. After adjustment, pull the parking brake lever one notch and verify that the parking brake warning light illuminates.
5. Verify that the rear brakes do not drag.



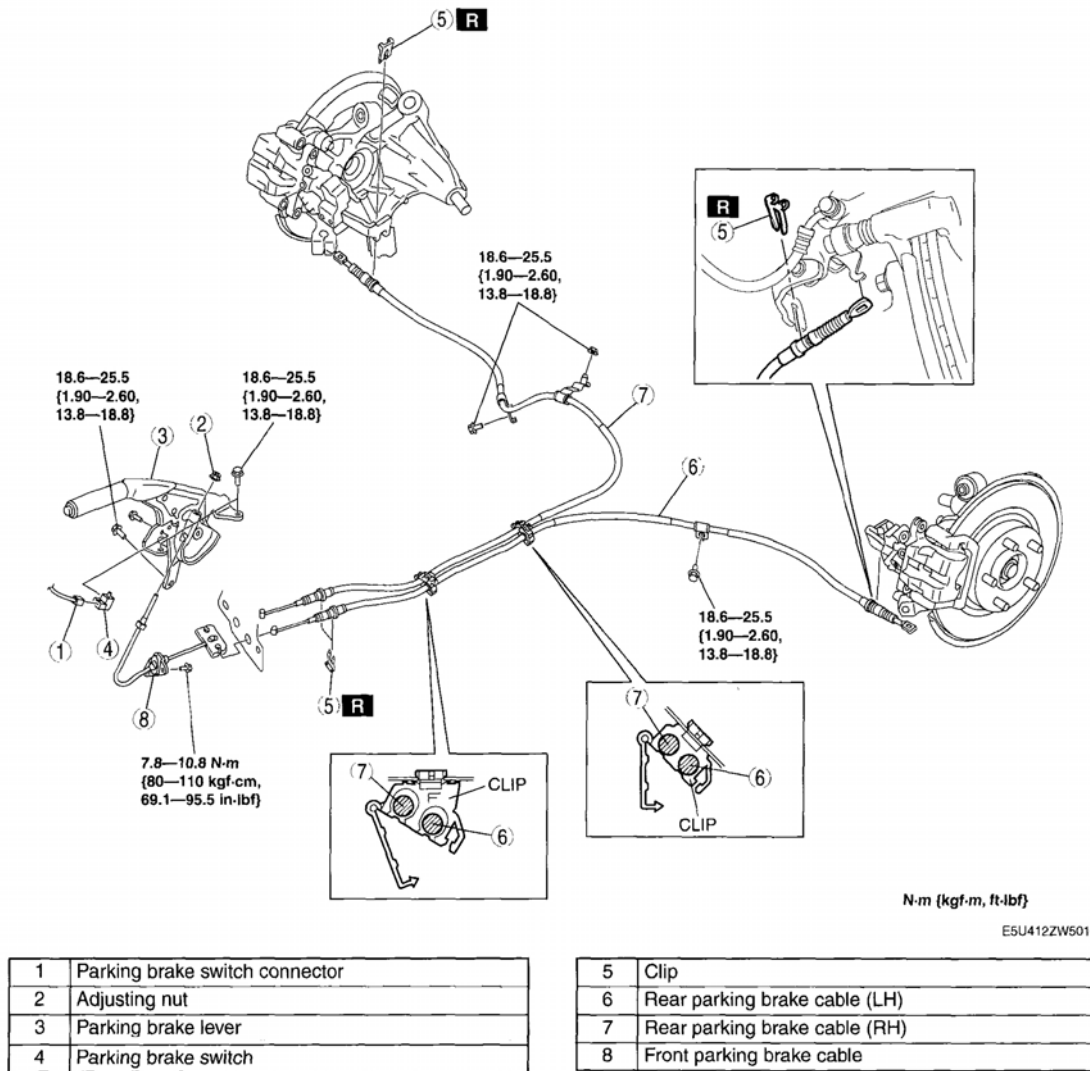
**Fig. 3: Identifying Parking Brake Lever Adjusting Nut**  
Courtesy of MAZDA MOTORS CORP.

## PARKING BRAKE LEVER REMOVAL/INSTALLATION

1. Remove the middle pipe. (See **EXHAUST SYSTEM REMOVAL/INSTALLATION [LF]** .)
2. Remove the propeller shaft. (See **PROPELLER SHAFT REMOVAL/INSTALLATION** .)
3. Remove the console. (See **CONSOLE REMOVAL/INSTALLATION** .)
4. Remove in the order indicated in the table.
5. Install in the reverse order of removal.
6. After installation, inspect the parking brake stroke and adjust if necessary.

# 2007 Mazda MX-5 Miata Sport

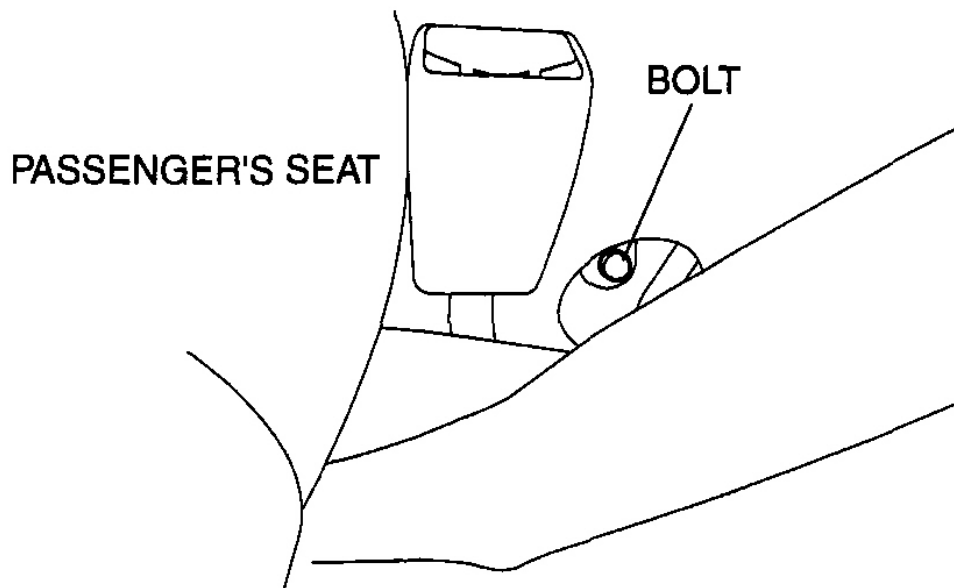
## 2007 BRAKES Parking Brake System - MX-5 Miata



**Fig. 4: Identifying Parking Brake Lever Removing/Installing Steps (With Torque Specifications)**  
 Courtesy of MAZDA MOTORS CORP.

### PARKING BRAKE LEVER REMOVAL NOTE

1. Partially peel back the floor mat and remove the bolt shown in **Fig. 5**.
2. Remove the two bolts.
3. Remove the parking brake lever.



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**Fig. 5: Removing Bolt**  
Courtesy of MAZDA MOTORS CORP.

## PARKING BRAKE SWITCH INSPECTION

1. Disconnect the parking brake switch connector.
2. Verify that the continuity is as indicated in **Fig. 6**.
  - If not as indicated in **Fig. 6**, replace the parking brake switch.

2007 Mazda MX-5 Miata Sport

2007 BRAKES Parking Brake System - MX-5 Miata

○—○: Continuity

Condition	Terminal	
	A	Body ground
Parking brake lever pulled	○—○	○—○
Parking brake lever released		

CHU0412W003

**Fig. 6: Parking Brake Switch Continuity Reference Table**  
Courtesy of MAZDA MOTORS CORP.



BHJ0412W007

**Fig. 7: Identifying Parking Brake Switch Connector**  
Courtesy of MAZDA MOTORS CORP.