

2005 BRAKES

Parking Brake System - MX-5 Miata

PARKING BRAKE INSPECTION

1. Depress the brake pedal several times.
2. Verify that the stroke is as specified when the parking brake lever is pulled with a force of **98 N {10 kgf, 22 lbf}**.

Stroke

5-7 notches

PARKING BRAKE ADJUSTMENT

1. Depress the brake pedal several times.
2. Remove the cover.
3. Turn the adjusting nut to adjust the lever stroke.
4. Pull the parking brake lever one notch, and verify that the parking brake warning light comes on.

Release the parking brake.

5. Turn the wheels by hand, and verify that the brakes do not drag.

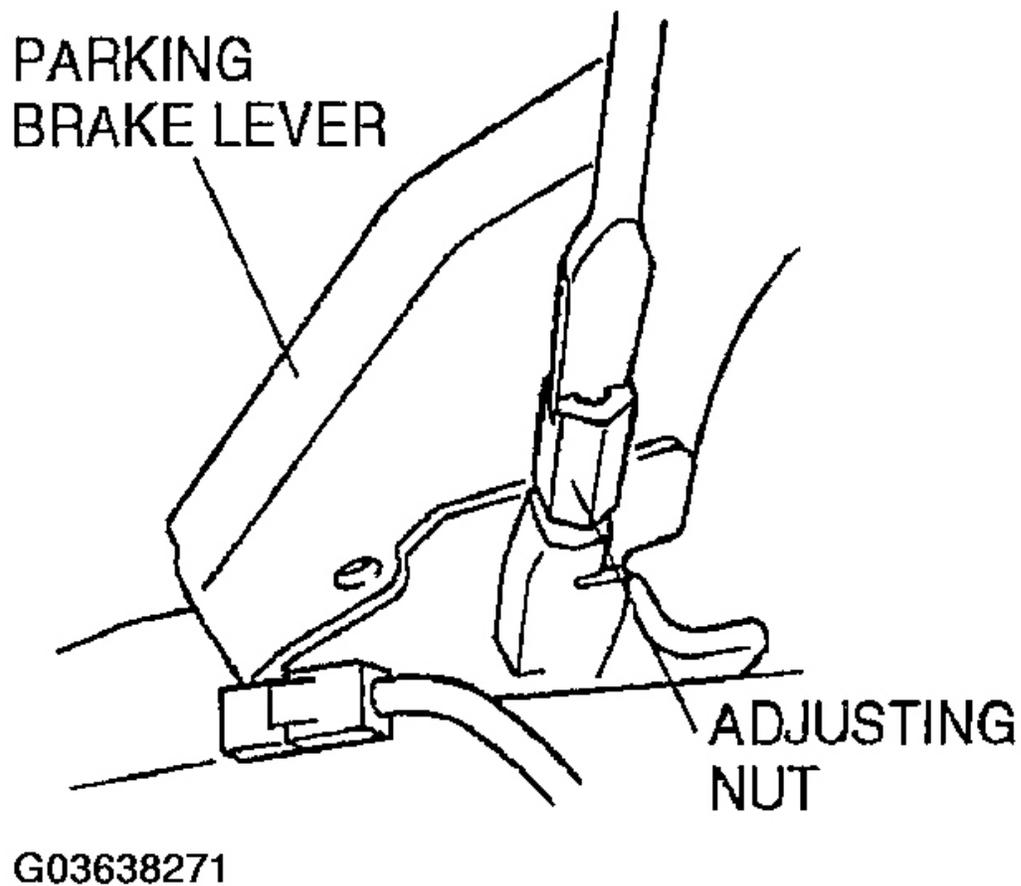


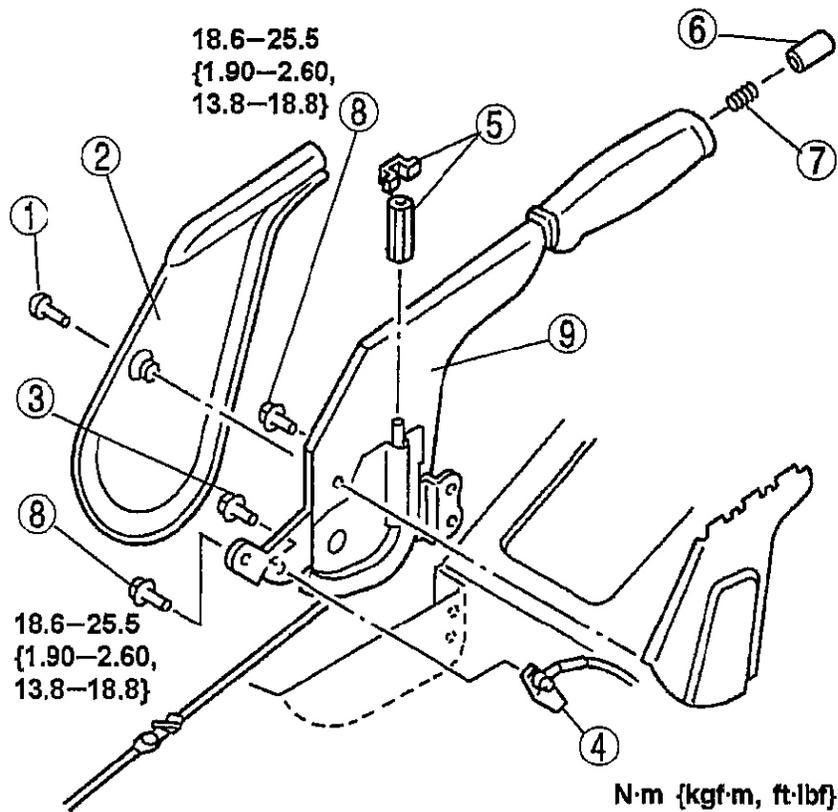
Fig. 1: Identifying Parking Brake Lever Adjusting Nut
Courtesy of MAZDA MOTORS CORP.

PARKING BRAKE LEVER REMOVAL/INSTALLATION

1. Remove in the order indicated in the table.

2005 Mazda MX-5 Miata

2005 BRAKES Parking Brake System - MX-5 Miata



N·m {kgf·m, ft·lbf}

1	Screw
2	Cover
3	Bolt
4	Parking brake switch (See Parking Brake Switch Installation Note)
5	Adjusting nut and clip
6	Release button
7	Spring
8	Bolt
9	Parking brake lever

G03638272

Fig. 2: Removing Parking Brake Lever & Torque Specifications
 Courtesy of MAZDA MOTORS CORP.

2. Install in the reverse order of removal.

2005 Mazda MX-5 Miata

2005 BRAKES Parking Brake System - MX-5 Miata

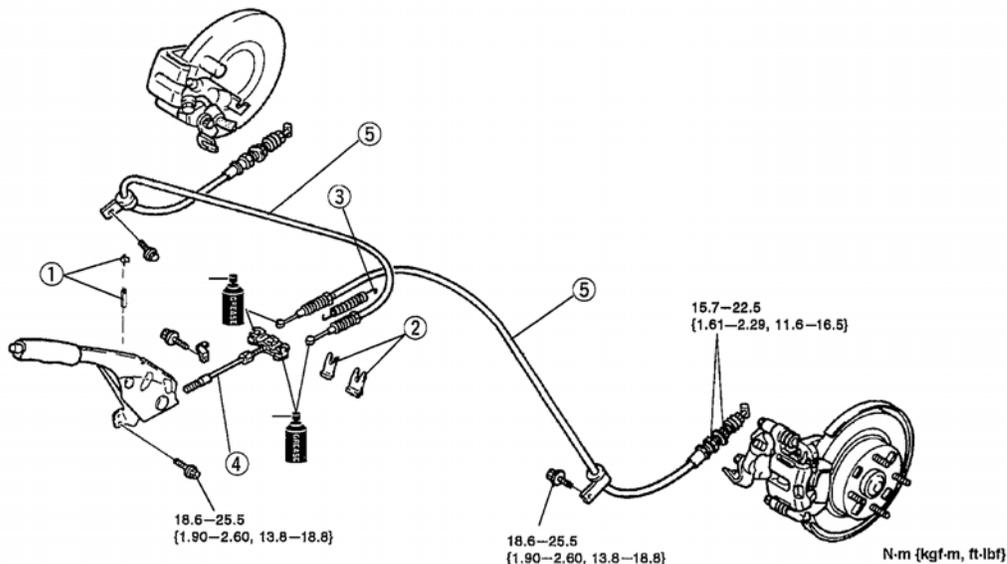
3. After installation, adjust the parking lever stroke.

PARKING BRAKE SWITCH INSTALLATION NOTE

1. Install the parking brake switch so that it contacts the parking brake lever when the lever is fully released.
2. Turn the ignition switch to ON, and verify that the parking brake warning light illuminates with the lever pulled up one notch.

PARKING BRAKE CABLE REMOVAL/INSTALLATION

1. Remove the exhaust pipe heat insulator.
2. Remove in the order indicated in the table.
3. Install in the reverse order of removal.
4. After installation:
 1. Adjust the parking brake lever stroke.
 2. Depress the brake pedal a few times.
 3. Verify that the rear brakes do not drag while the wheels are rotated by hand.



1	Adjusting nut and clip
2	Clip
3	Spring

4	Front cable
5	Rear cable

G03638273

Fig. 3: Exploded View Of Parking Brake Cable & Torque Specifications
Courtesy of MAZDA MOTORS CORP.