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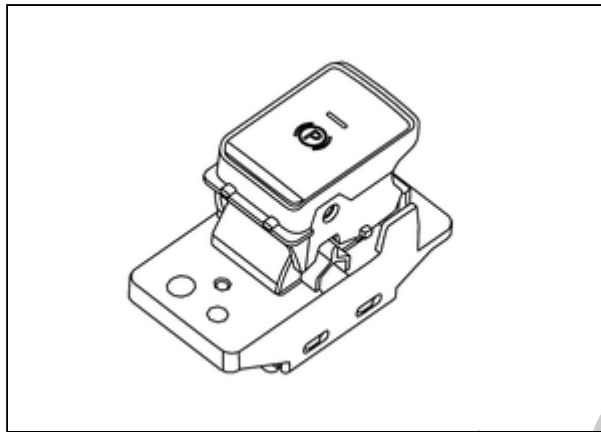
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2003 NISSAN Teana OEM Service and Repair Workshop Manual

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FUNCTIONS WITHIN THE SYSTEM

Electric parking brake is applied/released by the parking brake switch operation.



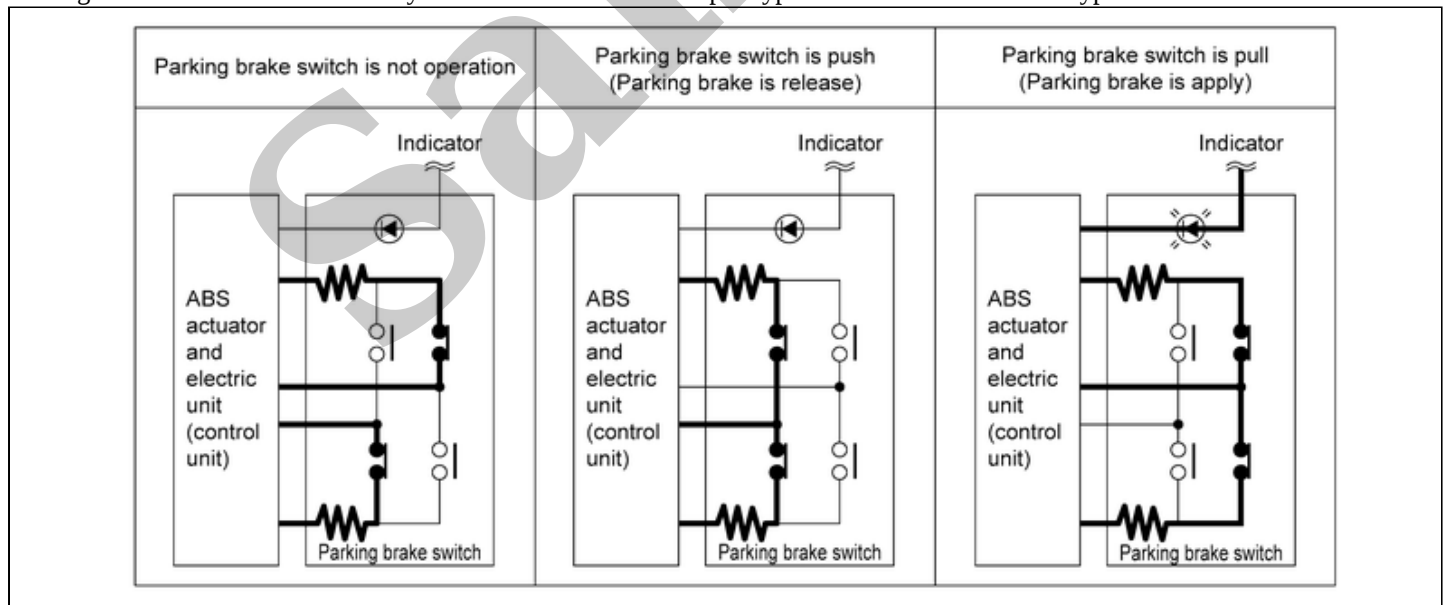
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INDIVIDUAL FUNCTIONS WITHIN THE SYSTEM

- When the parking brake switch is pushed / pulled, the circuit between the ABS actuator and electric unit (control unit) is established to input the switch signal.
- When parking brake is applied, parking brake switch indicator is turned ON by the ABS actuator and electric unit (control unit).

INDIVIDUAL OPERATION

Parking brake switch is constructed by a combination of normal open type switch and normal close type switch.



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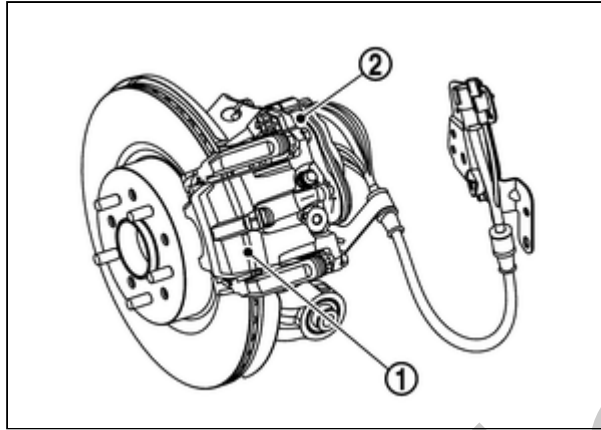
- Parking brake switch is pull: Parking brake is apply and parking brake switch indicator is turn ON.
- Parking brake switch is push: Parking brake is release and parking brake switch indicator is turn OFF.

PARTS LOCATION

Refer to [Component Parts Location](#).

FUNCTIONS WITHIN THE SYSTEM

The parking brake actuator ② activates / releases the parking brake by moving the piston of the rear brake caliper assembly ① according to the signal from the ABS actuator and electric unit (control unit).



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INDIVIDUAL FUNCTIONS WITHIN THE SYSTEM

Parking brake actuator is composed of a motor, gear, etc.

INDIVIDUAL OPERATION

It operates/releases the parking brake by transmitting the motor rotation output to the piston of the rear brake caliper.



NOTE:

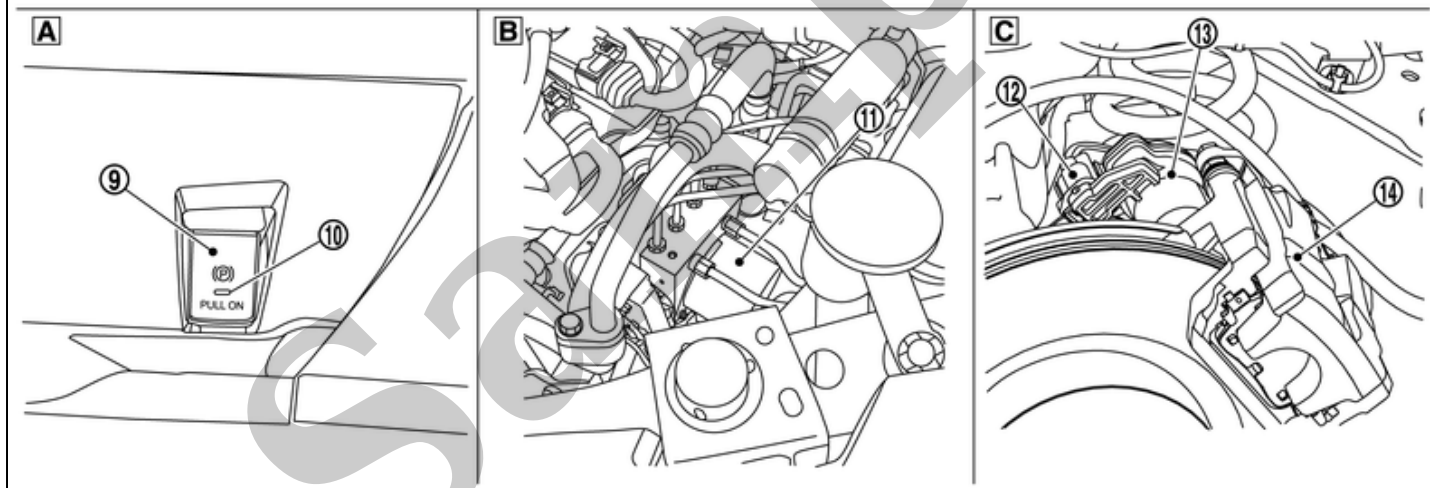
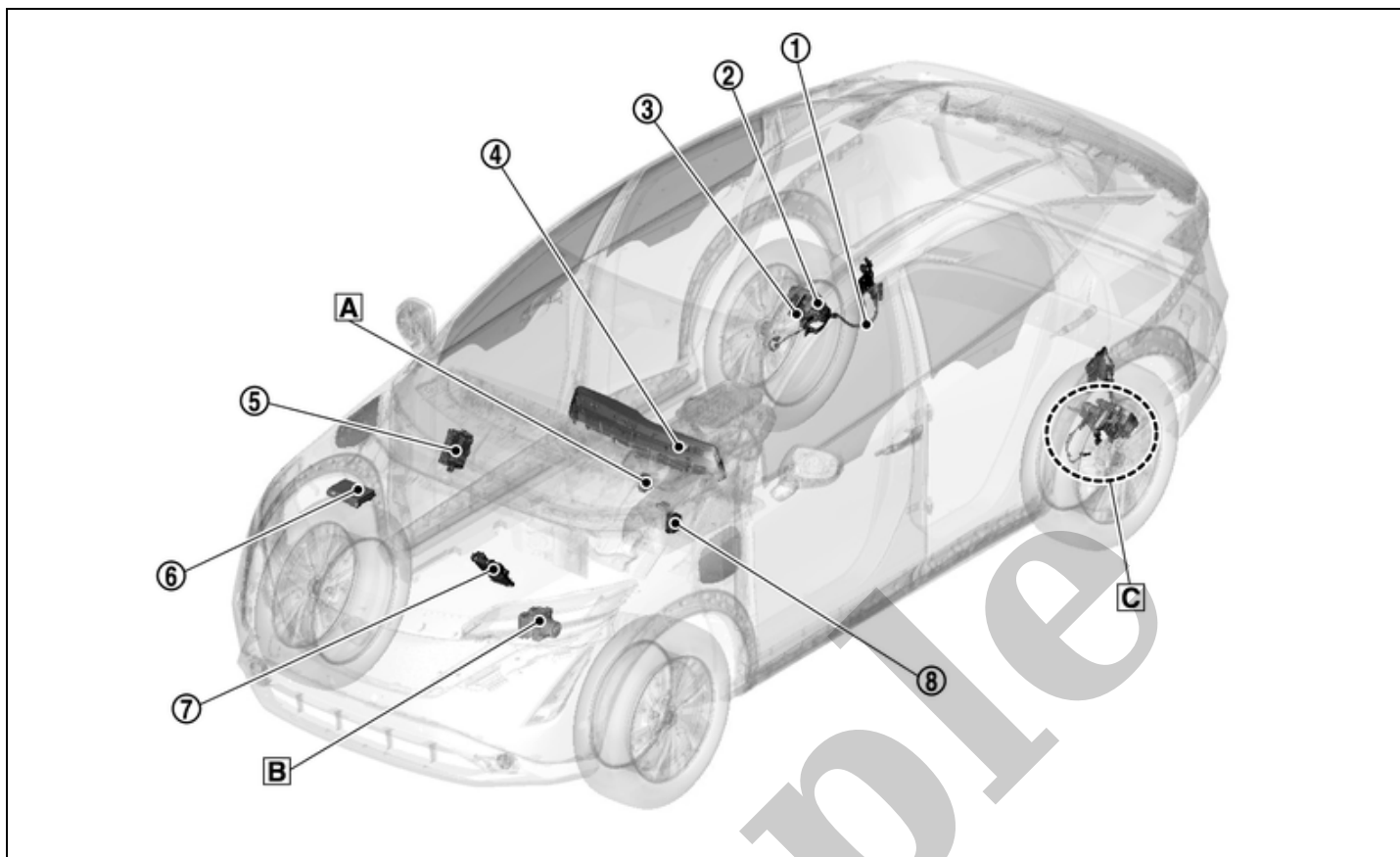
Braking condition is mechanically maintained. It is not always controlled.

PARTS LOCATION

Refer to [Component Parts Location](#).

CAUTION:

Never reuse the parking brake actuator if the parking brake actuator is removed from the rear brake caliper assembly.

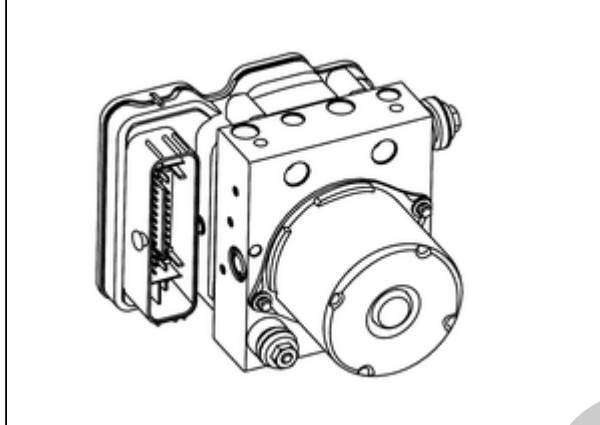


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A	Instrument low panel	B	Engine room (LH)	C	Rear disc brake
①	Parking brake actuator harness (RH)	②	Parking brake actuator (RH)	③	Rear brake caliper assembly (RH)
④	Combination meter Refer to Component Parts Location for detailed installation location.	⑤	BCM Refer to Component Parts Location for detailed installation location.	⑥	IPDM E/R Refer to Component Parts Location for detailed installation location.
⑦	VCM Refer to Component Description for detailed installation location.	⑧	Chassis control module Refer to Component Parts Location for detailed installation location.	⑨	Parking brake switch
⑩	Parking brake switch indicator	⑪	ABS actuator and electric unit (control unit)	⑫	Parking brake actuator harness (LH)
⑬	Parking brake actuator (LH)	⑭	Rear brake caliper assembly (LH)		

FUNCTIONS WITHIN THE SYSTEM

- The parking brake actuator is controlled by the signals from the parking brake switch, each sensor, and each unit.



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NOTE:

The parking brake is released and applied by controlling the parking brake actuator.

- When a malfunction is detected, the system enters fail-safe mode.

INDIVIDUAL FUNCTIONS WITHIN THE SYSTEM

Controls the parking brake actuator.

PARTS LOCATION

Refer to [Component Parts Location](#).

Diagnosis Description

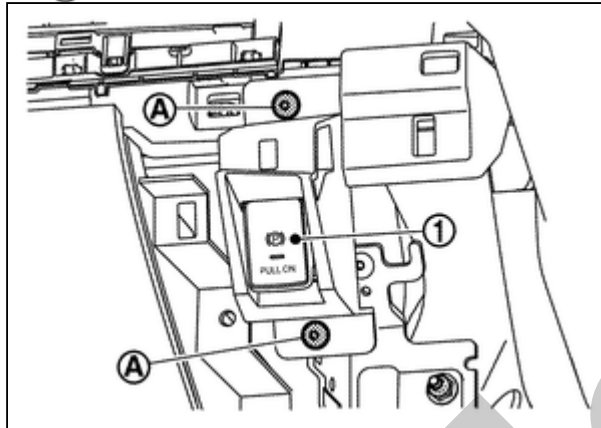
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ABS actuator and electric unit (control unit): Refer to [Diagnosis Description](#).

Sample

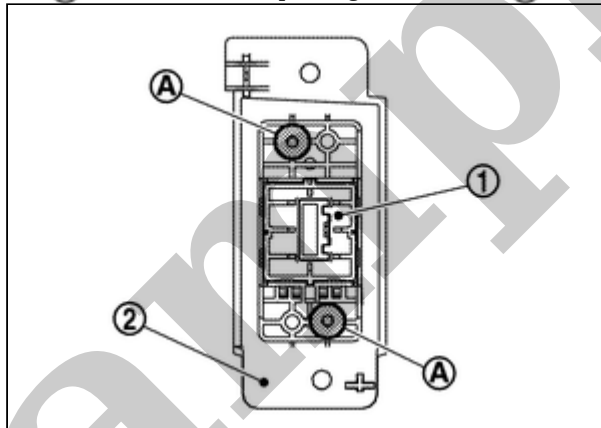
REMOVAL

- 1 Remove instrument lower panel. Refer to [Removal and Installation](#).
- 2 Remove parking brake mounting screws (A), and then remove parking brake switch bracket (1) from instrument panel.



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- 3 Remove parking brake mounting screws (A), and then remove parking brake switch (1) from parking brake switch bracket (2).



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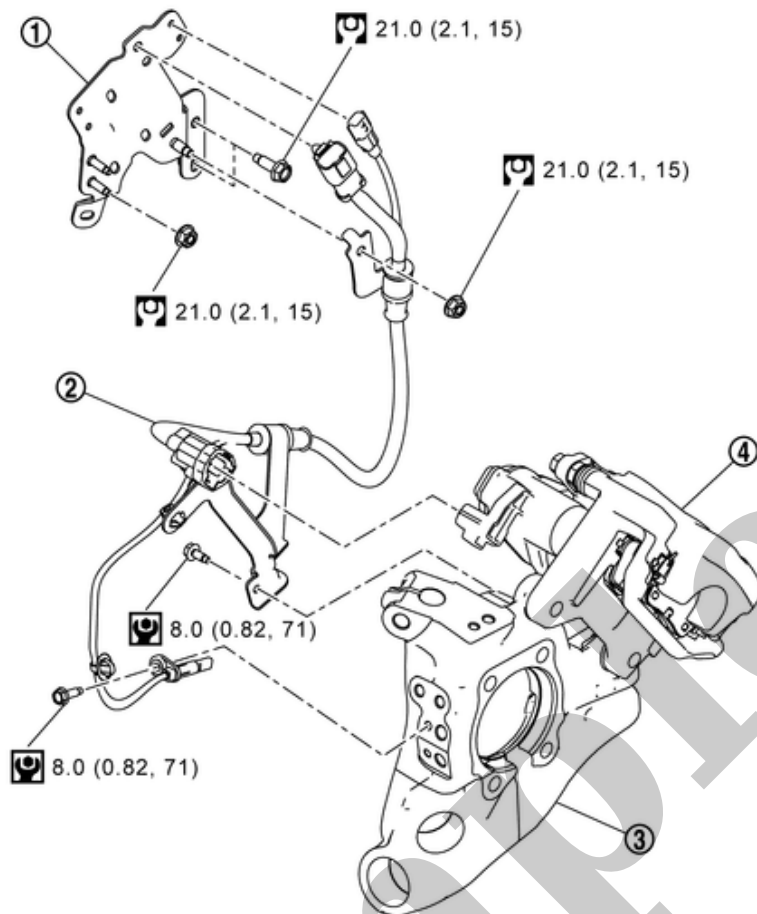
INSTALLATION

Install in the reverse order of removal.

PARKING BRAKE CONTROL : Exploded View

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SEC. 433



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①	Bracket	②	Parking brake actuator harness LH and rear LH wheel sensor	③	Axle housing
④	Rear brake caliper				
	: Vehicle front				
	: N·m (kg-m, ft-lb)				
	: N·m (kg-m, in-lb)				



NOTE:

Rear RH wheel sensor is symmetrically opposite of LH.

REMOVAL

1 Power switch ON.

CAUTION:

Never put vehicle in READY state.

2 Release the parking brake.

CAUTION:

If parking brake cannot be released with parking brake switch, release it manually. Refer to [Description](#).

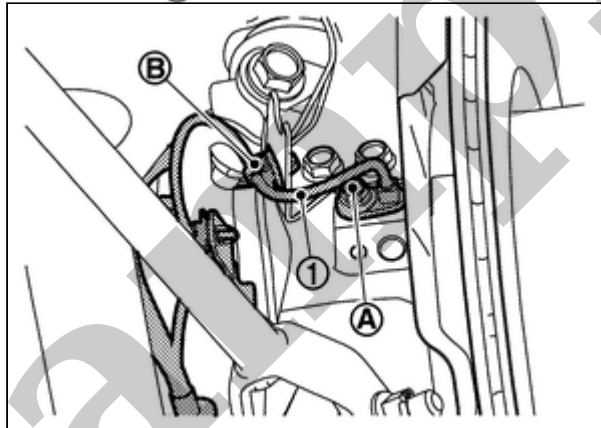
3 Power switch OFF.

4 Disconnect 12V battery negative terminal. Refer to [Removal and Installation](#).

5 Remove rear tire assembly with power tool. Refer to [Removal and Installation](#).

6 Disconnect parking brake actuator harness and vehicle side harness connector of rear wheel sensor.

7 Remove parking brake actuator harness, rear wheel sensor harness mounting bolt (A) and harness clip (B) and then remove parking brake actuator harness and rear wheel sensor harness (1) from axle housing.

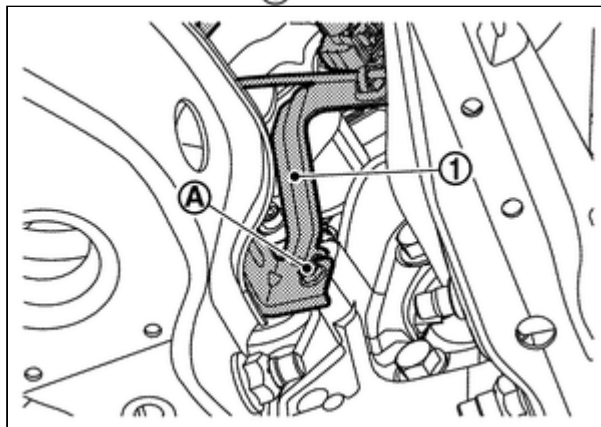


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CAUTION:

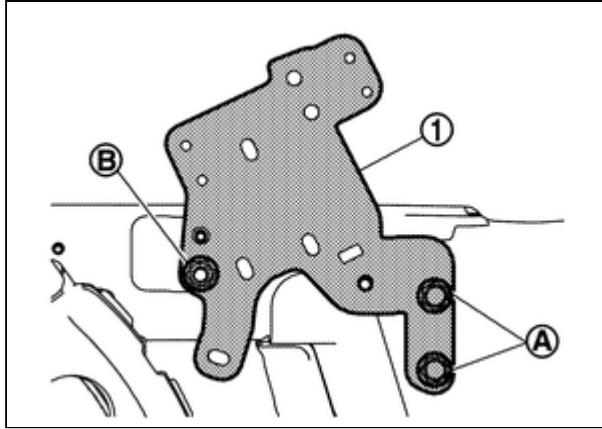
Take out parking brake actuator harness and rear wheel sensor harness without rotating and pulling as much as possible.

8 Remove bracket mounting bolt (A) and then remove bracket (1).



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9 Remove bracket mounting bolts (A) and nuts (B) and then remove bracket (1) from vehicle.



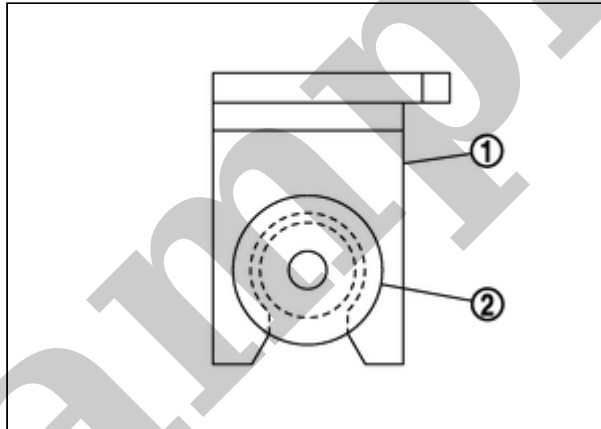
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10 Remove connector clip and harness clip of height sensor from bracket (left side only).

INSTALLATION

Note the following, and install in the reverse order of removal.

- When installing rear wheel sensor, avoid twisting rear wheel sensor harness and securely push grommet ② into bracket ①. Also, after installation, check that rear wheel sensor harness is not twisted.



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