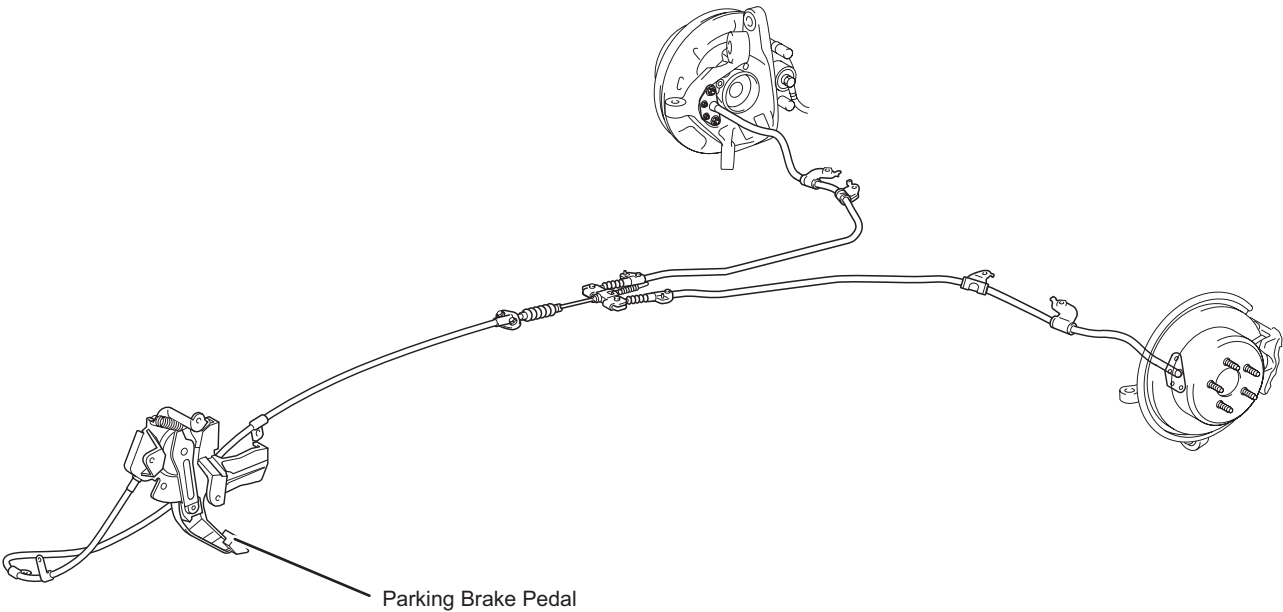


PARKING BRAKE

Parking Brake

- A foot-operated parking brake is used. It uses a foot-operated release for ease of operation.
- The parking brake pedal can be adjusted inside the vehicle for serviceability.



Parking Brake

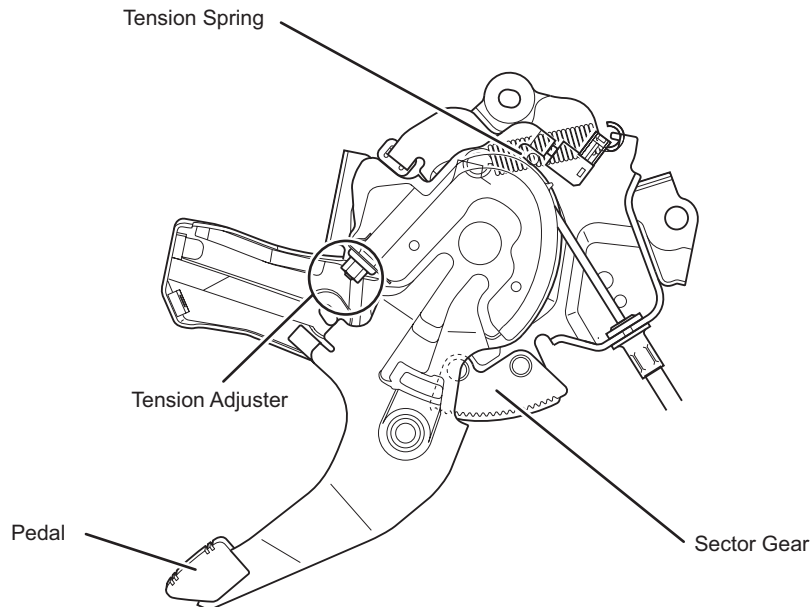
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Parking Brake Specification

Type	Duo Servo
Drum Inner Diameter [mm]	190
Lining Surface Area [cm ²]	45
Lining Dimensions [mm]	181.0 × 25.0 × 2.4
Operation Type	Foot-operated

Construction of the Foot-Operated Parking Brake

- The parking brake, which consists of a parking brake pedal, sector gear, pawl, pawl spring, and tension spring, is locked or released by operating the pedal.

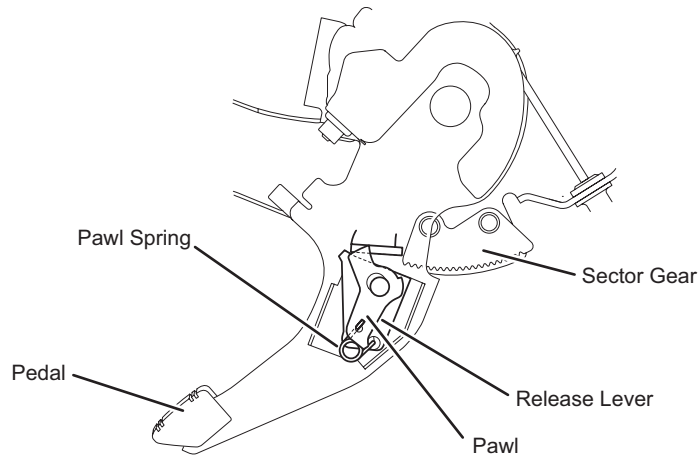


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BR

Parking Brake Non-Operation

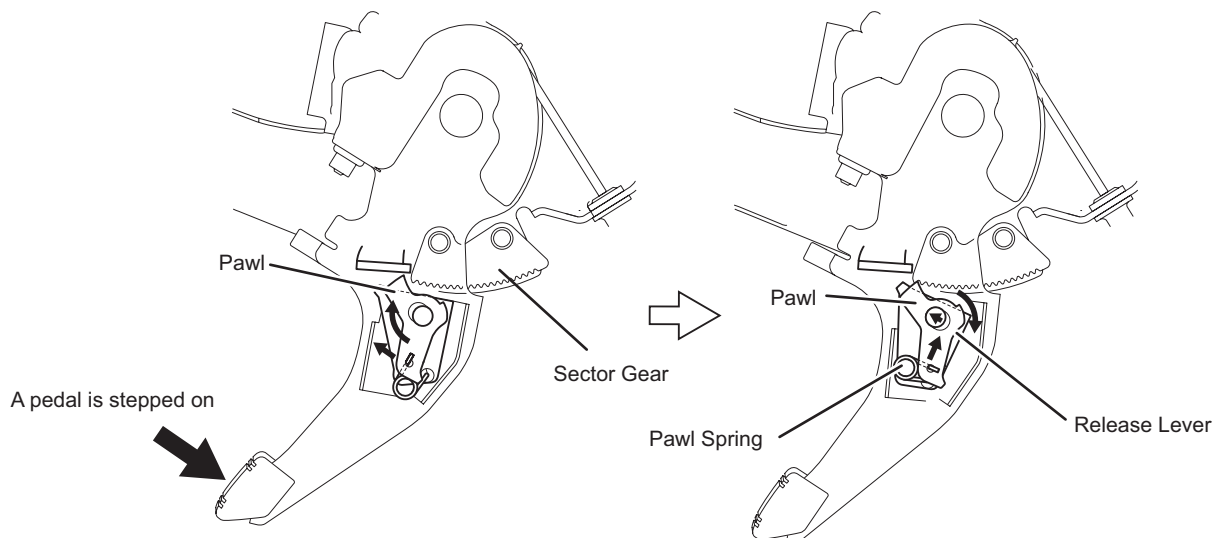
- The parking brake is released because the pawl and the sector gear are not meshed.



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Lock Operation

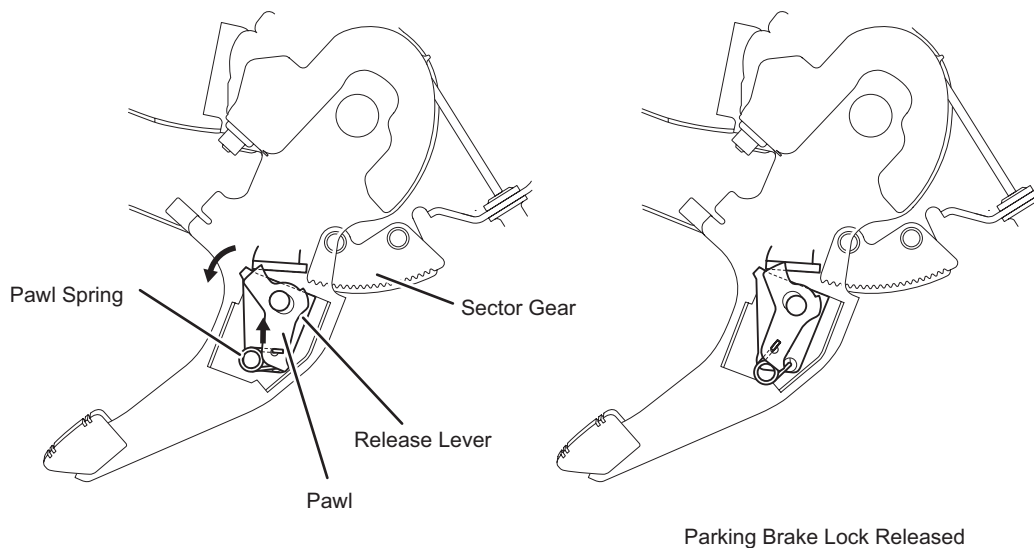
- When the driver presses the parking brake pedal, the sector gear, which is mounted to the pedal, meshes with the pawl.
- When the driver releases the pedal at a fully depressed position, the reaction force of the cable causes the pawl to slide and turn the release lever. Then, the pawl spring flips and applies a counterclockwise force to the pawl, and a clockwise force to the release lever. Thus, the pawl remains stationary in this state and maintains the parking brake pedal in the depressed position.



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Lock Release

- When the driver presses the parking pedal again, the meshed parts become disengaged. The force of the pawl spring causes the pawl to turn and the cable returns the pedal, thus releasing the locking of the parking brake.
- Simultaneously with the turning of the release lever at the release lever return portion provided on the pedal, the pawl returns to the original position, which causes the parking brake to return to the non-operating state.



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