
GROUP 36

PARKING BRAKES

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GENERAL INFORMATION

M2360000100281

<L.H. drive vehicles>

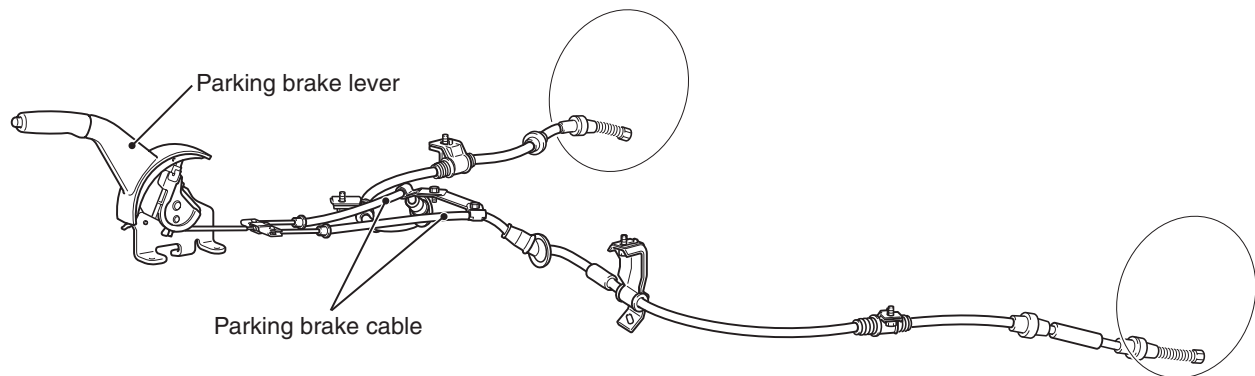
- The parking brake is of a mechanical rear-wheel acting type, and its operation utilises a parking brake lever.

<R.H. drive vehicles>

- The parking brake is of a mechanical rear-wheel acting type. The foot pedal is used to lock and release the parking brake for easier operation. The pedal surface is labeled with "PUSH", "ON", and "OFF," and users can easily understand the pedal release mechanism.

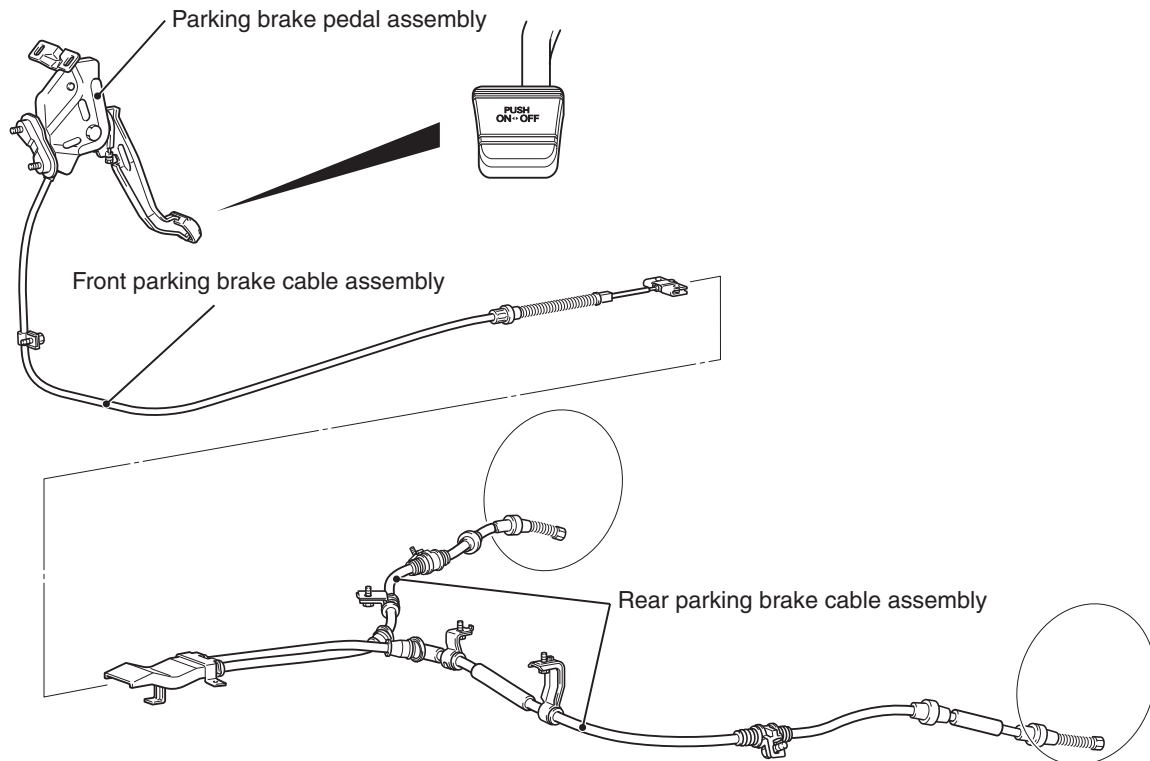
CONSTRUCTION DIAGRAM

<L.H. drive vehicles>



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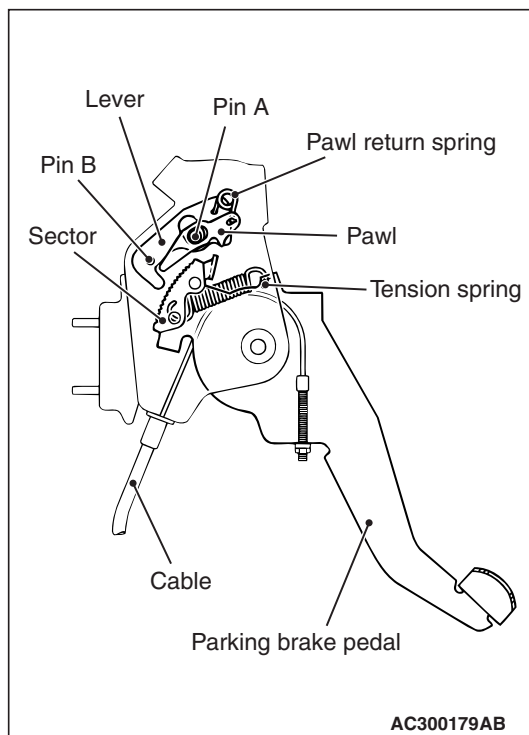
<R.H. drive vehicles>



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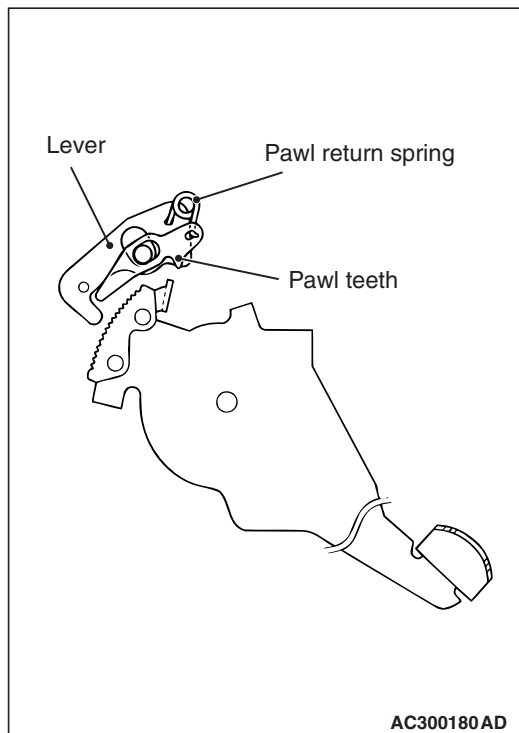
PEDAL TYPE PARKING BRAKE <R.H. DRIVE VEHICLES>

M2360000400044



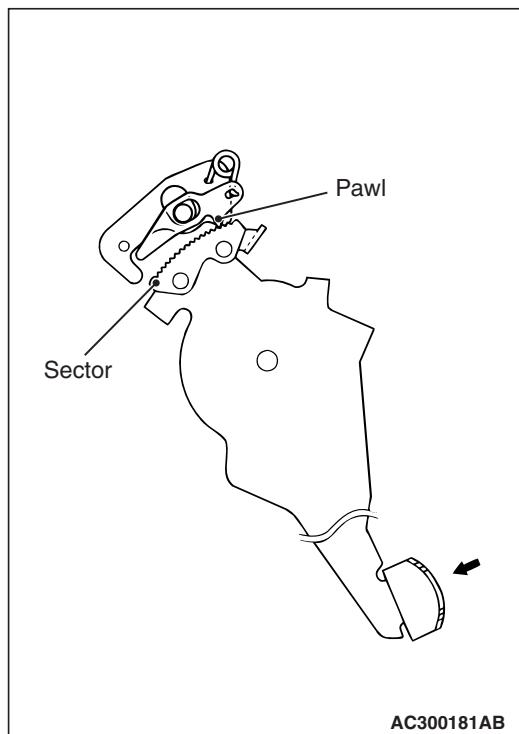
The parking pedal assembly consists of a parking brake pedal, a sector, a lever, a pawl return spring, and a pawl, and a tension spring. The sector is attached to the parking brake pedal and works together with it. The pawl is secured with pin A at its slotted hole. The pawl and lever are connected by the pawl return spring, and move together with the pedal.

RELEASED STATE



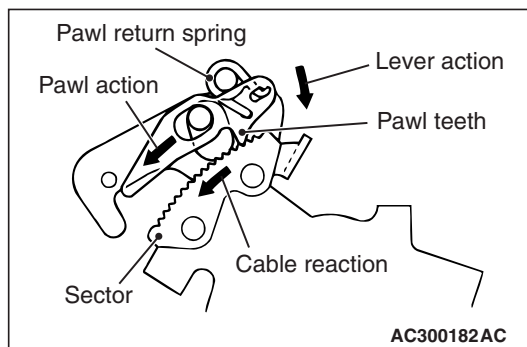
The pawl and lever are connected by the pawl return spring, and the force of the pawl return spring keeps the lever raised with the pawl teeth downward to the lever.

IN THE PROCESS OF DEPRESSING



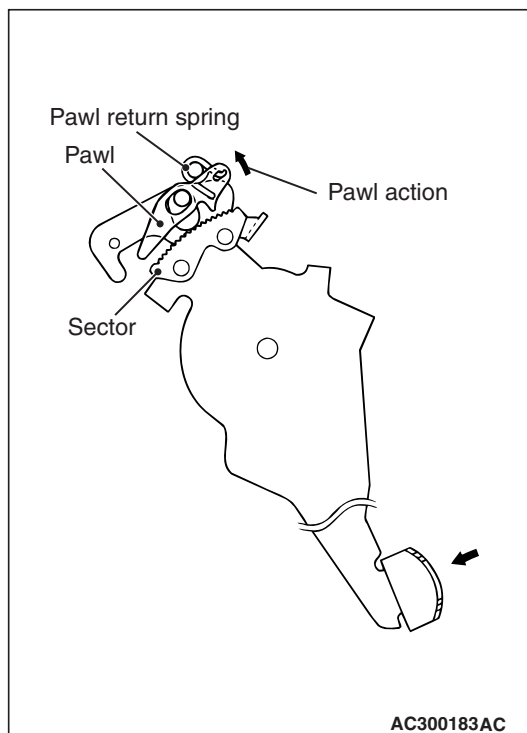
When the parking brake pedal is depressed, teeth of the pawl move over the sector's protrusion, and the sector and pawl teeth engage.

LOCKED

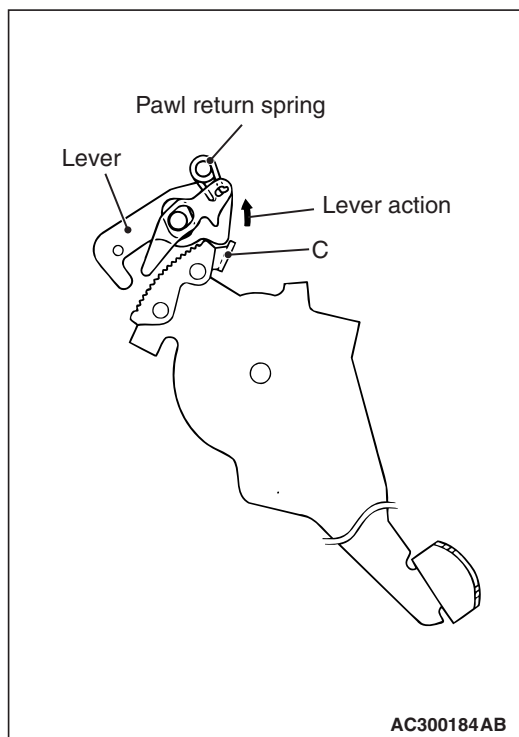


When the foot is removed from the parking brake pedal, the cable reaction force (pulling force) engages the pawl teeth with the sector, and the pawl itself slides downward because of its slotted hole. This slide changes the direction of the pawl return spring, thus depressing the lever.

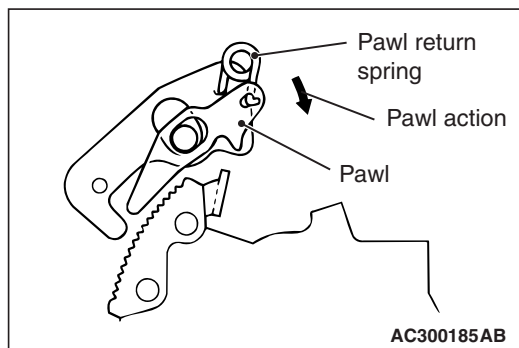
AT RELEASE



1. Repressing the parking brake pedal weakens the engagement of the pawl and sector. Then the force of the pawl return spring disengages the two, which rotates the pawl and slides it upward, keeping the pawl teeth raised.



2. Just before the parking brake pedal returns to the released position, its C section pushes up the lever. At this time, the position of the pawl return spring changes.



3. The pawl return spring rerotates the pawl again and lowers the pawl teeth, releasing the parking brake pedal.