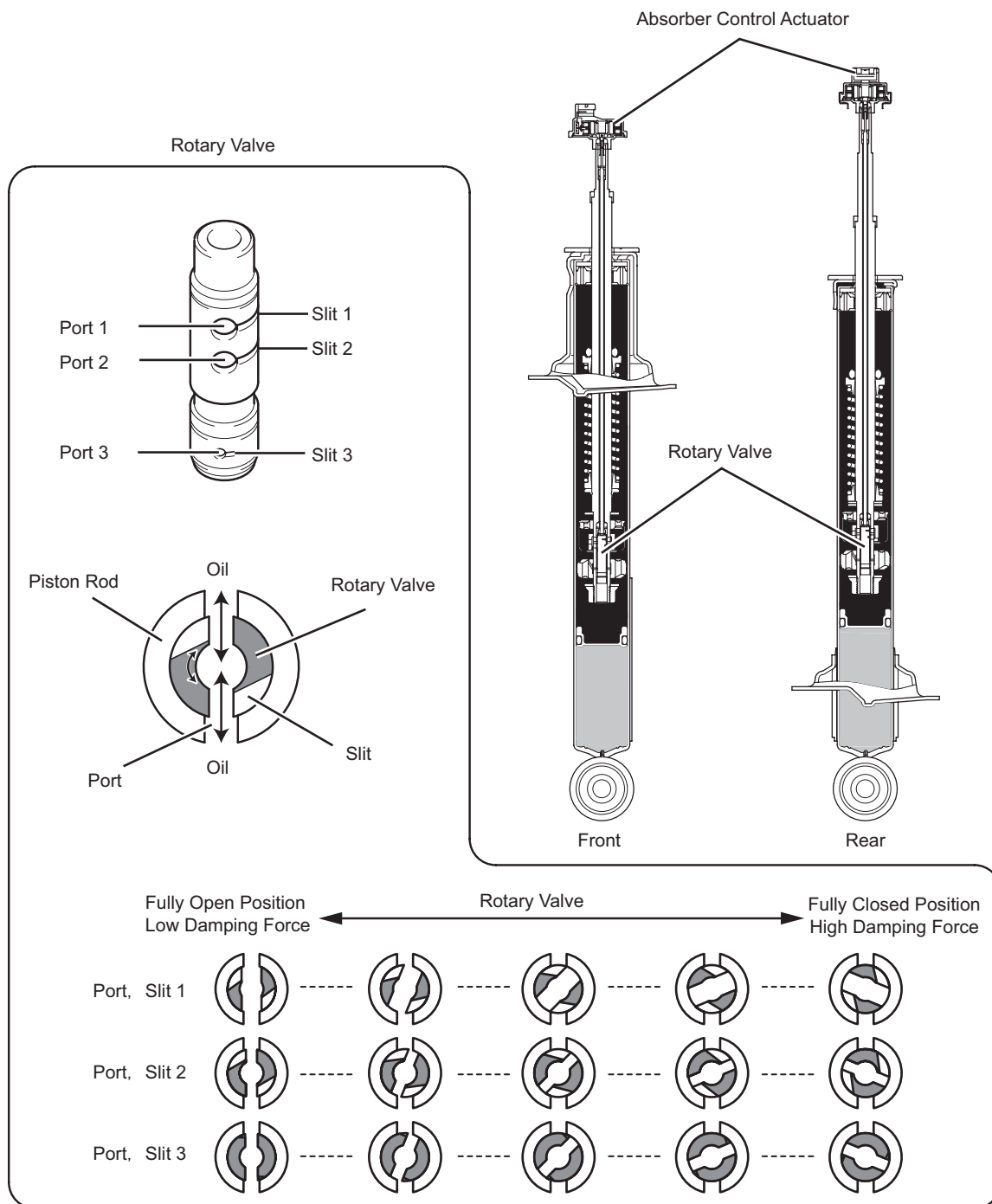


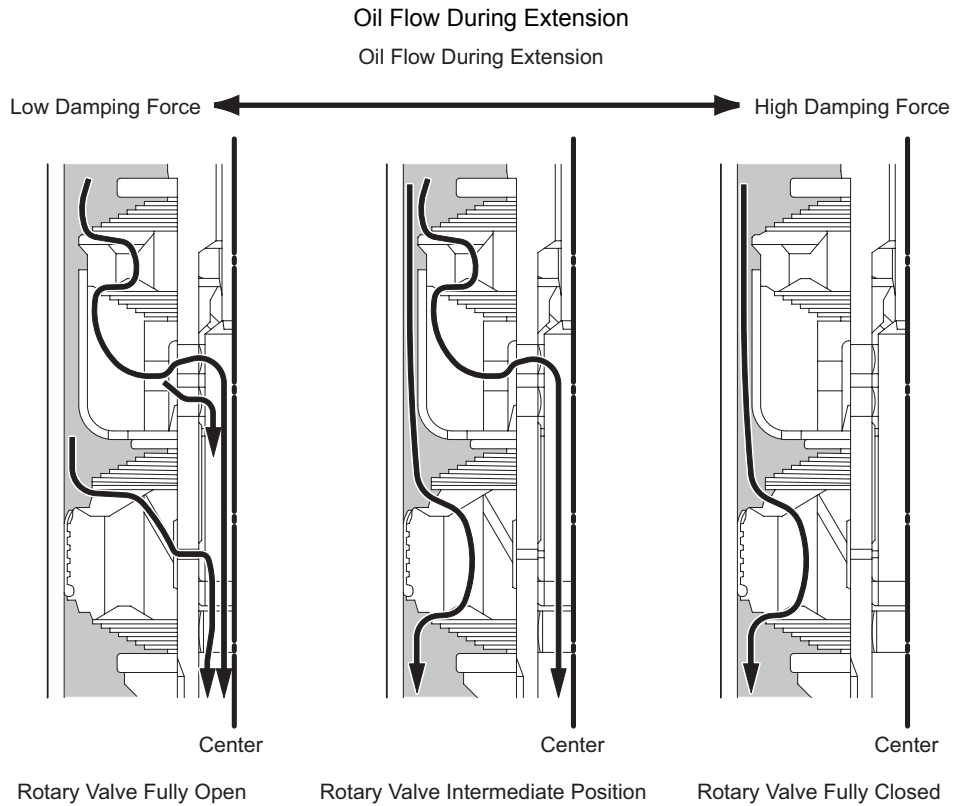
Shock Absorber & Absorber Control Actuator

- To change the damping force, the step motor in the absorber control actuator turns the rotary valve on the piston. This varies the opening of the oil passage that connects the upper and lower chambers of the piston.
- The rotary valve, which contains two sets of ports and slits at three locations, varies the damping force in nine steps.

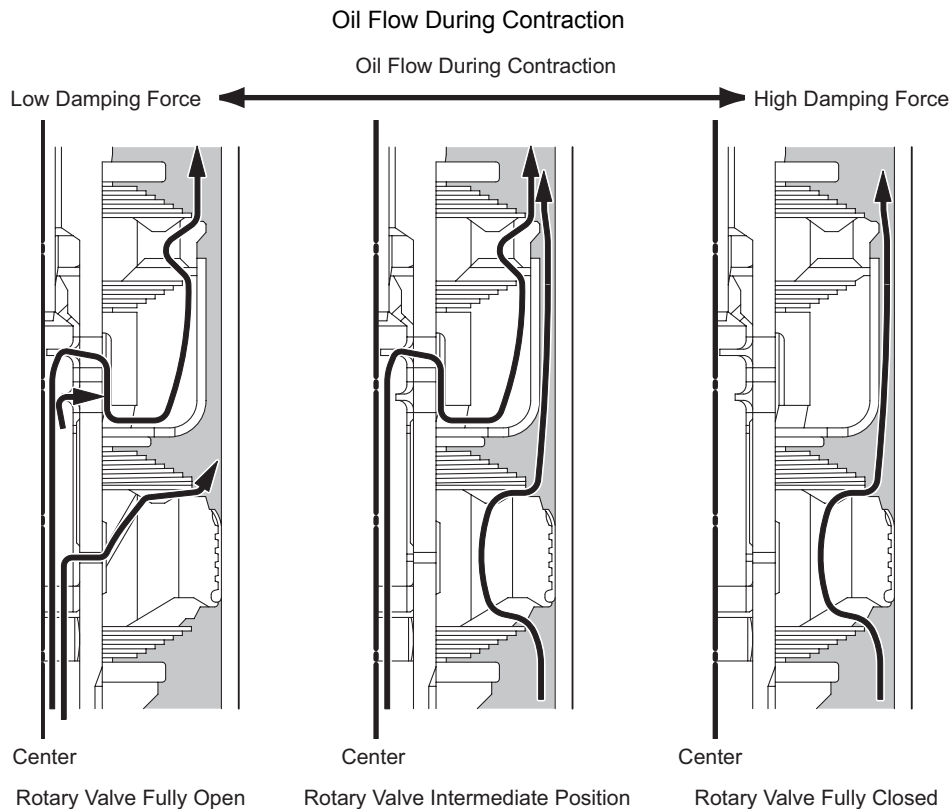


Flow of Shock Absorber Oil in Piston

- When the rotary valve is fully closed, the damping force is provided only by the piston valve.
- When the rotary valve is in the intermediate position, the slit opens, allowing the passage between the piston valve and the rotary valve to control the damping force.
- When the rotary valve is fully open, the port opens widely, allowing the rotary valve passage to provide the damping force. If the piston speed is slow, the piston valve will remain practically inactive.



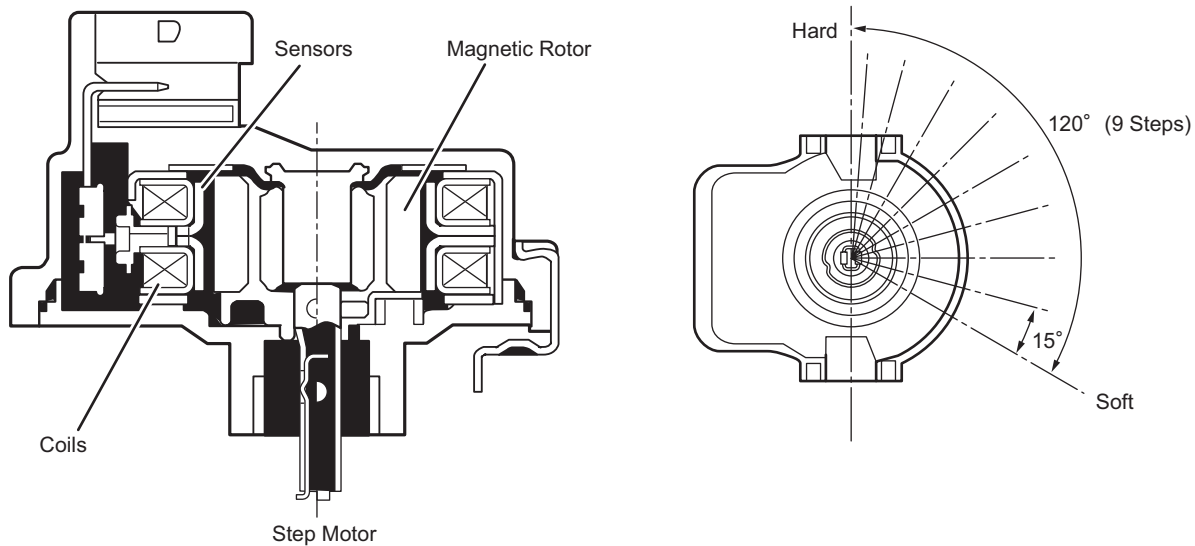
A4270054C



A4270055C

Absorber Control Actuator

- An absorber control actuator, which changes the damping force in accordance with the signals received from the absorber control ECU, is located above the shock absorber. A nine-step step motor turns the rotary valve in the shock absorber to vary the opening of the oil passage. This enables the damping force to be changed smoothly.



A4270056C