REAR SUSPENSION

RS

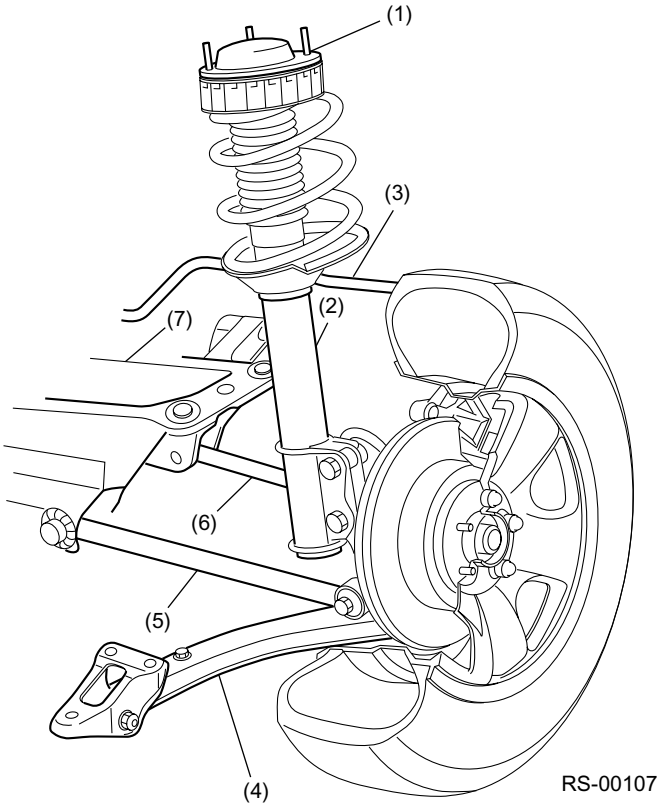
1. Rear Suspension

A: GENERAL

The rear suspension is an independent, dual link strut type. The suspension on each side consists of two parallel arranged lateral links, a trailing link, and a strut assembly. The strut assembly consists of a cylindrical double-acting low pressure gas and oil-filled damper and coil spring.

The respective component parts of this suspension are optimally designed to act in response to vertical, lateral and longitudinal loads transmitted from the tires. Thus, riding comfort and steering stability are substantially enhanced.

- Longitudinal loads act on each trailing link.
- Vertical loads act on each coil spring, strut and rubber mount.
- Lateral loads act on the two lateral links on each side.
- The crossmember is installed on the body frame via bushings.
- The stabilizer that extends to the rear of the crossmember, is installed on the body frame via a bracket and to the wheel side end of each rear lateral link via a stabilizer link.



(1) Strut mount
(2) Strut
(3) Stabilizer
(4) Trailing link
(5) Front lateral link
(6) Rear lateral link
(7) Rear crossmember

B: CONSTRUCTION

1. LATERAL LINKS

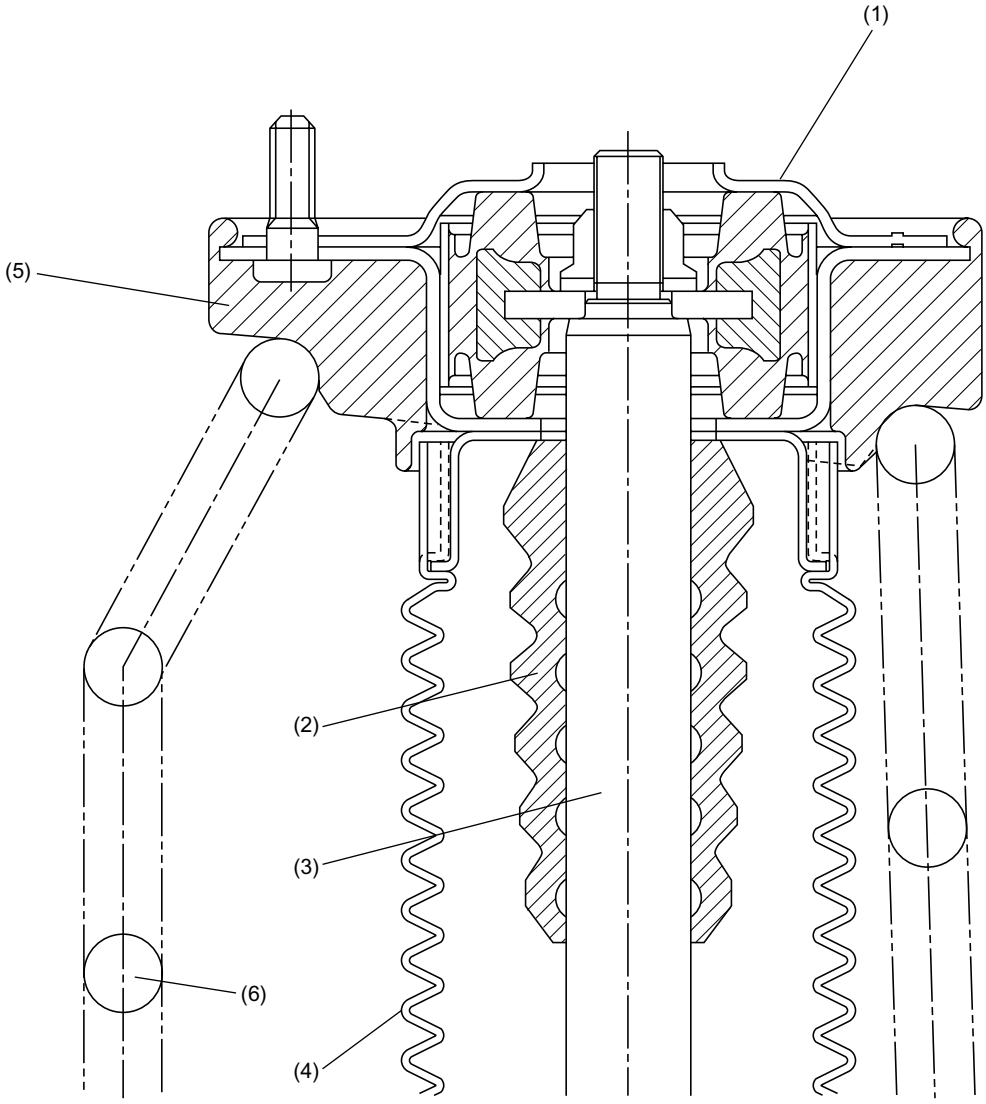
● The front lateral links are made of aluminum pipes. They improve ride quality and reduce vibration and noise.

2. STRUTS

● The dampers used in the struts are of a gas-filled type that features stable shock attenuating performance. They improve ride quality and reduce vibration and noise.

● Each strut has at its top a strut mount. The strut mounts effectively disperse input forces from coil springs so that vibration and noise are reduced and riding comfort is improved. The body attaching flange of each strut mount is adequately rigid, which helps improve handling stability.

● The helper made of highly durable urethane enhances handling stability when the vehicle is loaded. It also satisfies riding comfort and anti-roll rigidity requirements simultaneously.



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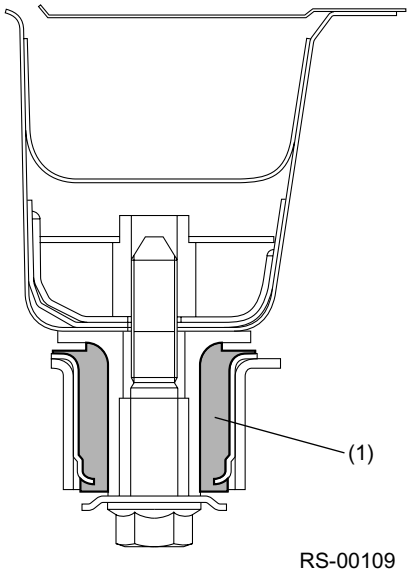
(1) Strut mount
(2) Helper
(3) Damper strut
(4) Dust cover
(5) Rubber seat
(6) Coil spring

3. REAR CROSSMEMBER BUSHING

To improve vibration and noise damping, rubber bushings are used.



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(1) Rubber bushing