

REAR SUSPENSION

REAR SHOCK ABSORBER

A De Carbon type damper containing nitrogen gas under high pressure is contained within the cylinder to maintain a pressure against the oil. This prevents the bubbles from being produced in the oil during compression. It assures positive

damping action. The spring force can be adjusted to the three positions according to carrying load and riding condition. The stroke of the rear shock absorber is 3.4 in. (87 mm).

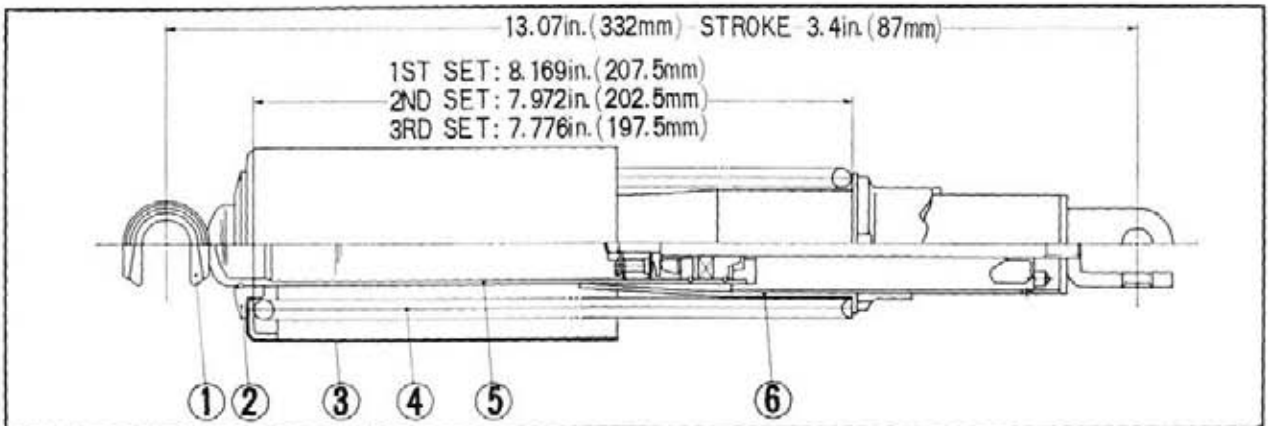


Fig. 20-23 ① Joint rubber
 ② Spring seat stopper
 ③ Rear cushion upper cover
 ④ Rear cushion spring
 ⑤ Rear damper assembly
 ⑥ Rear cushion spring guide

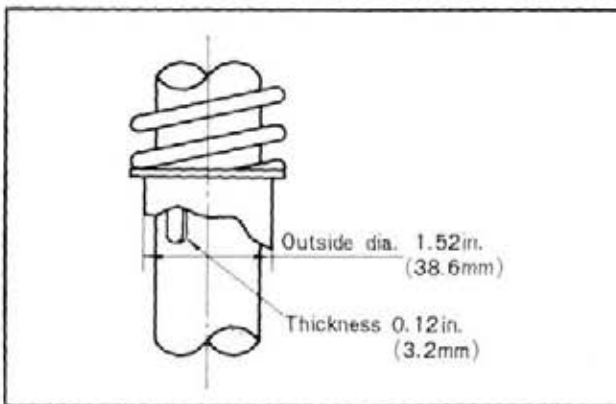


Fig. 20-24

The stopper was changed 0.09 in. (2.3 mm) to 0.12 in. (3.2 mm) thickness and the outside diameter 1.52 in. (38.6 mm) of shock absorber is 0.08 in. (2 mm) larger than previous one. Consequently, the spring diameter is 0.15 in. (4 mm) larger than previous model. The modifications described above provide a highly rigid.

Inspection

Damping force cannot be measured, therefore, the test is performed by compressing the shock absorber unit by hand. Normal operating condition is indicated by a greater resistance on the extension stroke than on the compression stroke.

When replacing the shock absorber spring, make sure that the new and previous spring are not interchangeable.

Item	Standard value	Serviceable limit
Shock absorber spring		
Spring inner diameter	1.56~1.86 in. (39.7~40.3 mm)	—
Free length	8.58 in. 218 mm	8.346 in. (212 mm)
Coil diameter	(0.276 in. 7 mm)	—
Installation load	7.98 in./66.6 lbs (202.9 mm/30.2 kg)	—
Tilt	within 1.5°	Over 2.5°