

C. Inspection

1. Damping capacity

Model	Damping capacity	Damping fluid	Cushion length	Stroke
S 90	25~35 kg/0.5 m/sec (55.125~77.175 lbs/19.68 in/sec)	Spindle oil #60	Max 348 (13.70 in) Min 296.8 (11.30 in)	61.1 (2.41 in)
CL 90 ,CL 90 L	"	"	Max 348 (13.70 in) Min 294.4 (11.59 in)	53.6 (2.11 in)
CD 90	28~37 kg/0.5 m/sec (61.6~81.4 lbs/19.7 in/sec)	"	Max 251.5 (9.91 in) Min 190.3 (7.50 in)	61.2 (2.41 in)
C 90	25~31 kg/0.5 m/sec (55~68 lbs/20 in/sec)	"	Max 323.4 (12.73 in) Min 261 (10.28 in)	62.4 (2.46 in)
CT 90	40~50 kg/0.5 m/sec (88~110 lbs/20 in/sec)	"	Max 323.4 (12.73 in) Min 261 (10.28 in)	62.4 (2.49 in)
CT 90 (from frame No.000001A)	40~50 kg/0.5 m/sec (88~110 lbs/20 in/sec)	"	Max 336.5 (13.3 in) Min 261 (10.28 in)	77.5 (3.05 in)

2. Rear cushion spring

	Item	Standard value	Serviceable limit
S 90	Free length	171.6 (6.761 in)	Replace if under 155.8 (6.139 in)
	Load	101.1 mm/117 kg (3.983 in/257.4 lbs)	—
	Tilt	Within 1.5°	Replace if over 2°
CL 90 CL 90 L	Free length	172.4 (6.7874 in)	Replace if under 157.5 (6.21 in)
	Load	118 mm/103.4 ~116.6 kg (4.6457 in/2.280 ~2.571 lbs)	—
	Tilt	Within 1.5°	Replace if over 2°
CD 90	Free length	211 (8.313 in)	Replace if under 190 (7.48 in)
	Load	140.4 mm/100 kg (5.532 in/220.0 lbs)	—
	Tilt	Within 1.5°	Replace if over 2°
C 90	Free length	212 (8.313 in)	Replace if under 190 (7.48 in)
	Load	141.5 mm/120 kg (5.57 in/264 lbs)	—
	Tilt	Within 1.5°	Replace if over 2°
CT 90	Free length	222.9 (8.776 in)	Replace if under 207 (8.16 in)
	Load	142.7 mm/157.5 kg (5.6181 in/3.473 lbs)	—
	Tilt	Within 1.5°	Replace if over 2°

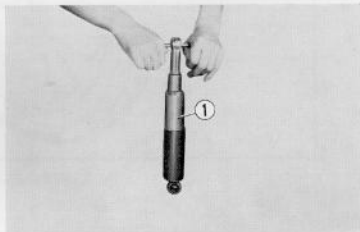


Fig. 4.80 Manual operation of rear cushion
① Rear cushion