

# 13. REAR SUSPENSION

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## SERVICE INFORMATION

### GENERAL

- This section deals with rear shock absorber and swing arm repairs.
- A jack or block is required to support the ATC.
- Use only genuine Honda bolts for the shock absorber pivot and mounting; ordinary bolts lack adequate strength for these applications. Also take note of the installation direction of these bolts since they must be installed correctly.

#### WARNING

- *The shock absorber is fitted with a gas-filled reservoir. Do not fill the reservoir with air; use only nitrogen and have the shock pressure checked and/or charged by an authorized Honda dealer equipped with a proper nitrogen charging system.*
- *The shock absorber contains nitrogen under high pressure. Do not allow fire or heat near the shock and be sure to release the nitrogen gas pressure before discarding the shock.*

### SPECIFICATIONS

ITEM	STANDARD	SERVICE LIMIT
Rear shock absorber spring free length	230 mm (9.06 in)	224.7 mm (8.85 in)
Nitrogen pressure	2,000–2,300 kPa (20–23 kg/cm <sup>2</sup> , 284–327 psi)	—

### TORQUE VALUES

Shock absorber oil hose bolt	27.5–32.5 N·m (2.75–3.25 kg-m, 20–23 ft-lb)
Shock absorber spring lock nut	80–100 N·m (8.0–10.0 kg-m, 58–72 ft-lb)
Shock absorber upper mount bolt	40–50 N·m (4.0–5.0 kg-m, 29–36 ft-lb)
Shock absorber lower mount bolt	40–50 N·m (4.0–5.0 kg-m, 29–36 ft-lb)
Shock absorber bracket bolts	40–50 N·m (4.0–5.0 kg-m, 29–36 ft-lb)
Swing arm pivot bolt	70–110 N·m (7.0–11.0 kg-m, 51–80 ft-lb)
Rear brake torque link-to-swing arm nut ('85)	8–11 N·m (0.8–1.1 kg-m, 6–8 ft-lb)

### TOOLS

#### Special

Needle bearing remover	07946–KA50000 or driver 07749–0010000, attachment, 32 x 35mm 07746–0010100 and pilot, 20 mm 07746–0040500 (U.S.A. only)
Needle bearing remover	07931–MA70000 or bushing remover M967X–038–XXXXX and common drift (U.S.A. only)

#### Optional

Pin spanner	89201–KA4–820
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