

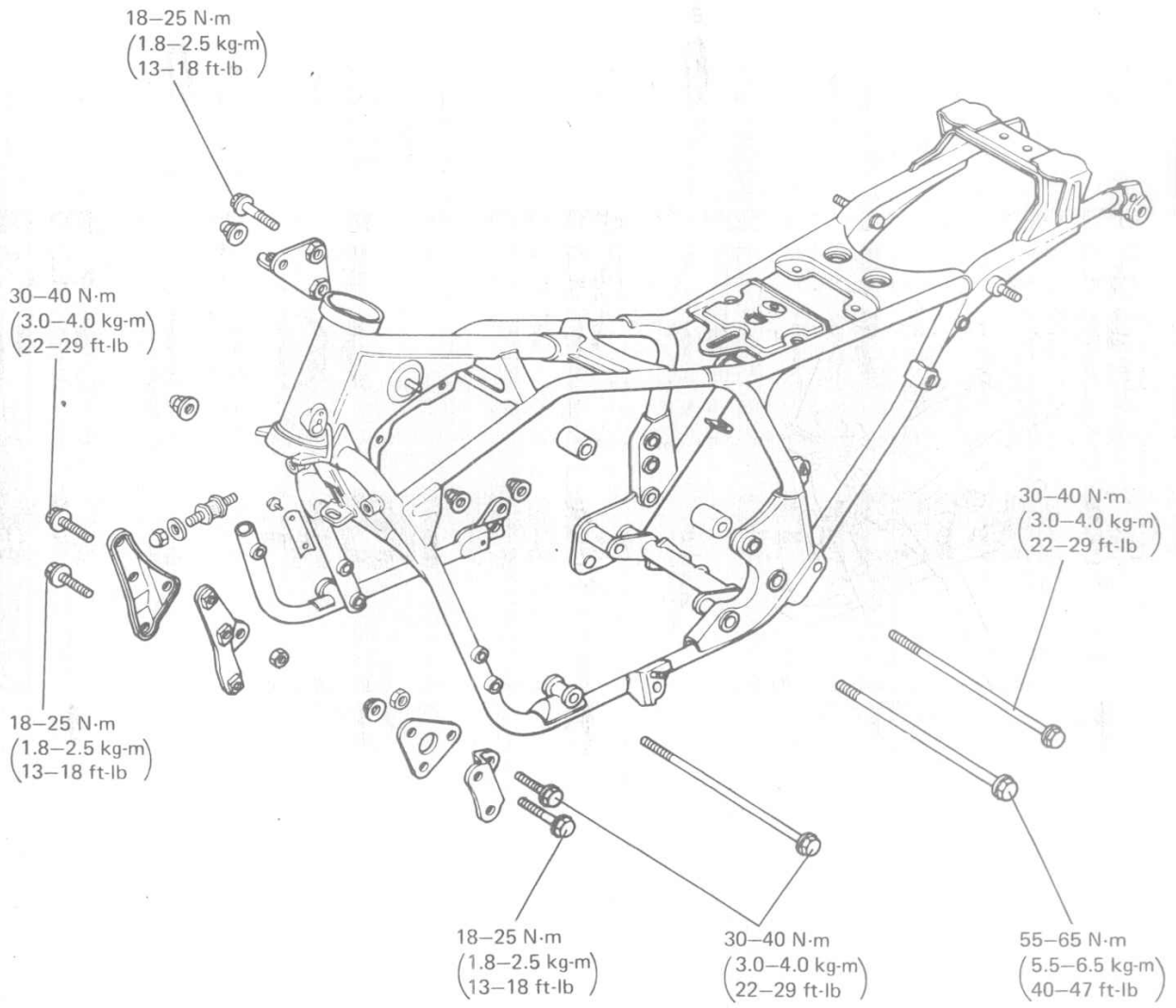


ENGINE REMOVAL/INSTALLATION

**DEPOSE/REPOSE
DU MOTEUR**

MOTORAUS-/EINBAU

**DESMONTAJE/INSTALACION
DEL MOTOR**





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SERVICE INFORMATION

GENERAL INSTRUCTIONS

The following parts or components can be serviced with the engine installed in the frame:

- | | |
|--------------------|-------------------|
| Clutch | • A. C. generator |
| Gear shift linkage | • Starter motor |
| Camshaft | • Carburetor |

SPECIFICATIONS

- | | |
|-------------------|--|
| Engine dry weight | 92 kg (203 lb) approx. |
| Oil capacity | 4.5 lit (4.7 US qt) at engine assembly |
| | 3.5 lit (3.7 US qt) at change |

TORQUE VALUES

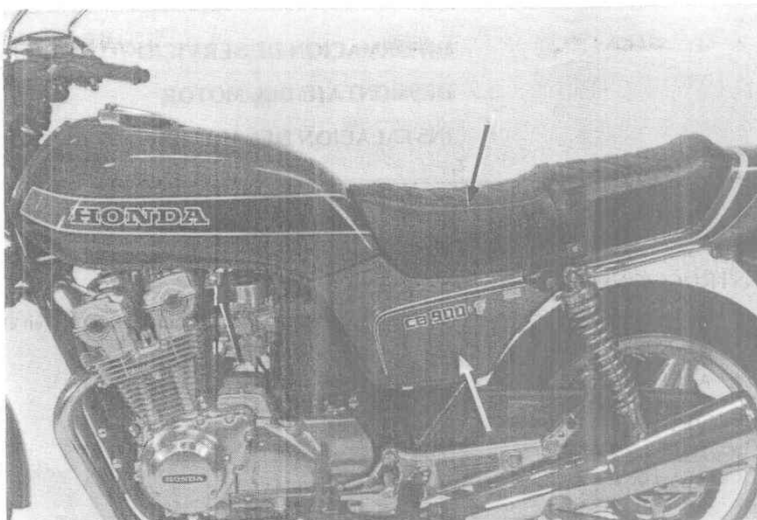
- | | |
|----------------|---|
| 18 mm bolt | 18-25 N·m (1.8-2.5 kg-m, 13-18 ft-lb) |
| 30 mm bolt | 30-40 N·m (3.0-4.0 kg-m, 22-29 ft-lb) |
| 55 mm bolt | 55-65 N·m (5.5-6.5 kg-m, 40-47 ft-lb) |
| Rear axle nut | 80-100 N·m (8.0-10.0 kg-m, 58-72 ft-lb) |
| Drive sprocket | 33-37 N·m (3.3-3.7 kg-m, 24-27 ft-lb) |
| Spark plug | 12-16 N·m (1.2-1.6 kg-m, 9.0-12 ft-lb) |



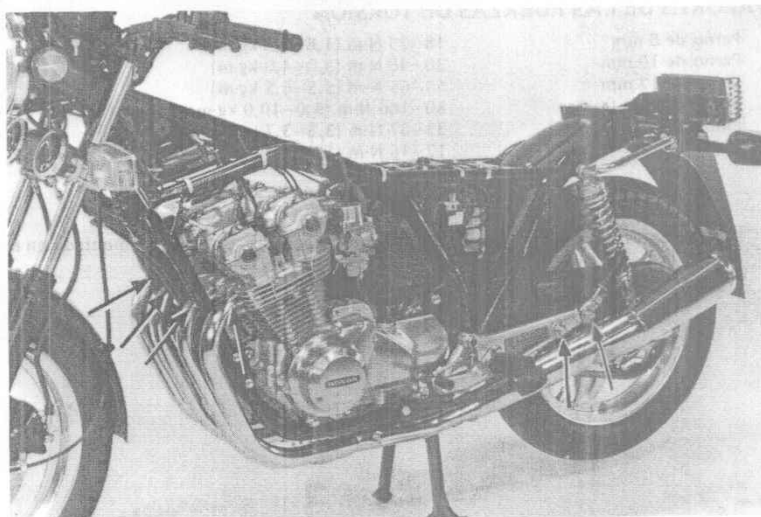
ENGINE REMOVAL

Drain oil from the engine (Page 2-2).
Turn the fuel valve "OFF".

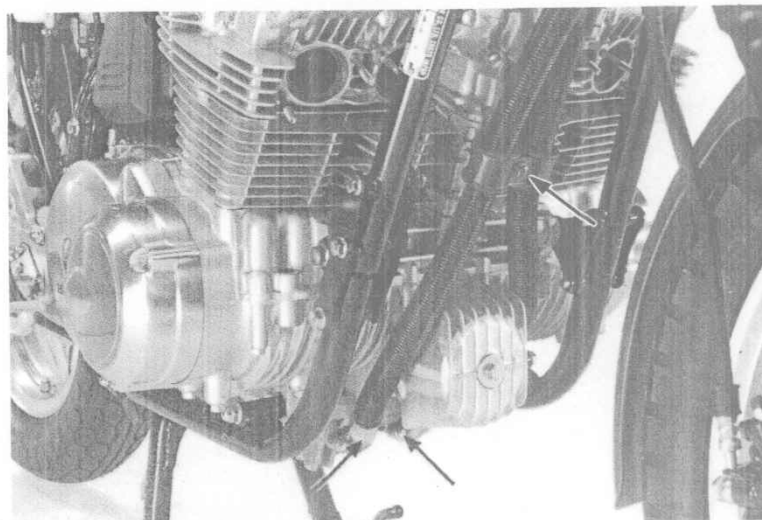
Remove the seat and overflow tube, fuel lines, both side covers and fuel tank.



Remove the exhaust system.

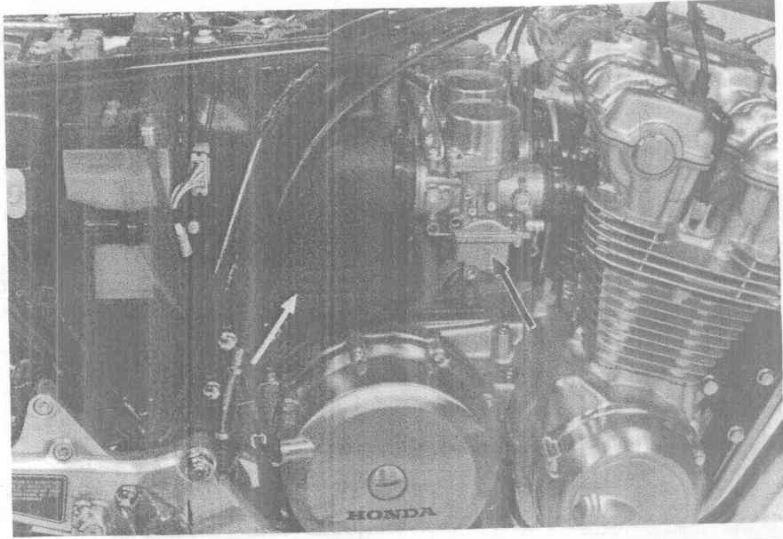


Remove the oil cooler hoses.



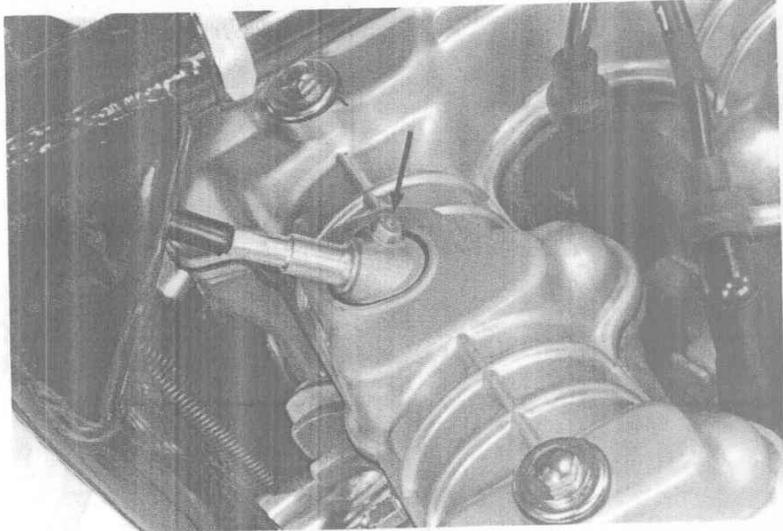


Remove the carburetor and the air cleaner (Section 4).

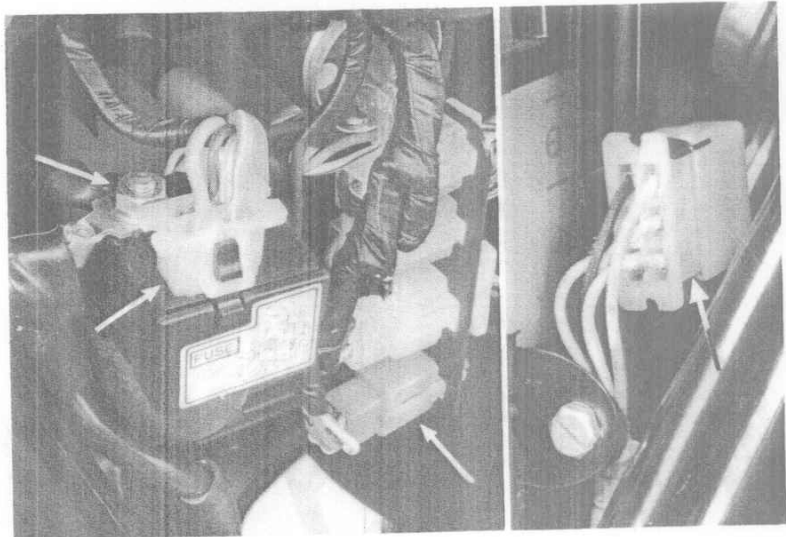


Remove the tachometer cable from the cylinder head cover.

Remove all spark plug caps.



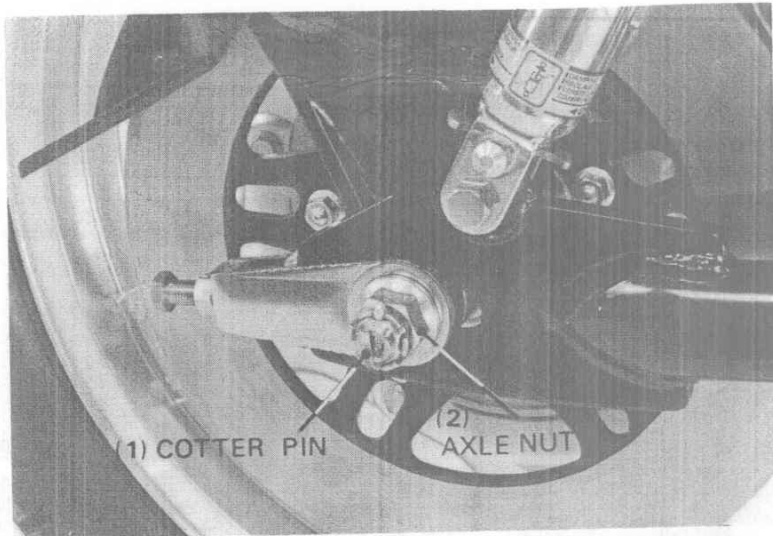
Disconnect the electrical wires.



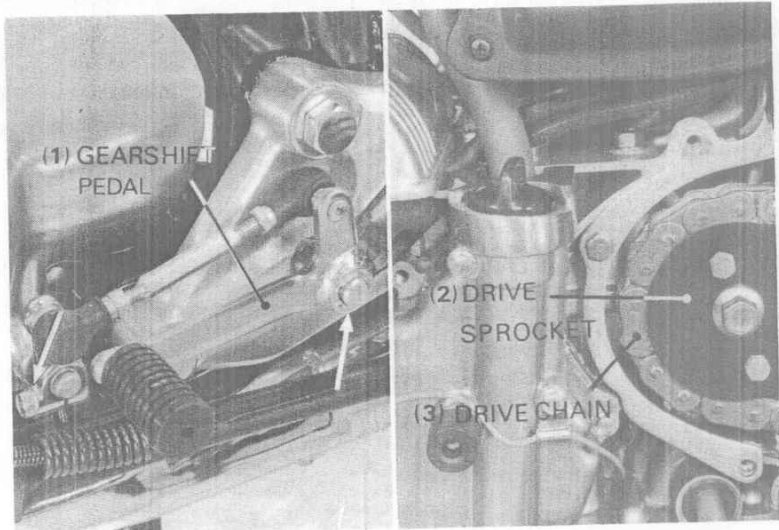


Remove the cotter pin and loosen the rear axle nut.

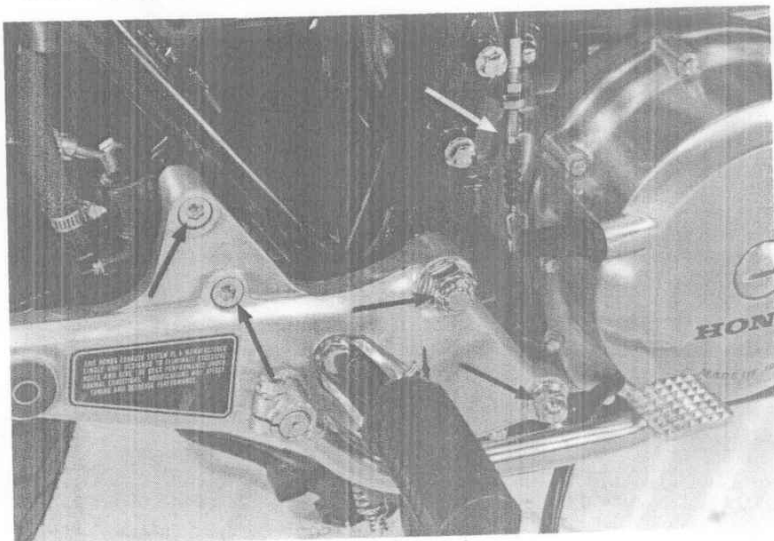
Loosen both chain adjusters and push the rear wheel forward.



Remove the gearshift pedal. (Page 9-2)
Remove the left rear crankcase cover.
Remove the drive sprocket and drive chain.



Remove the clutch cable at the clutch arm, rear master cylinder mount bolts, swing arm pivot nut, rear lower engine mount bolt nut and rear brake pedal.

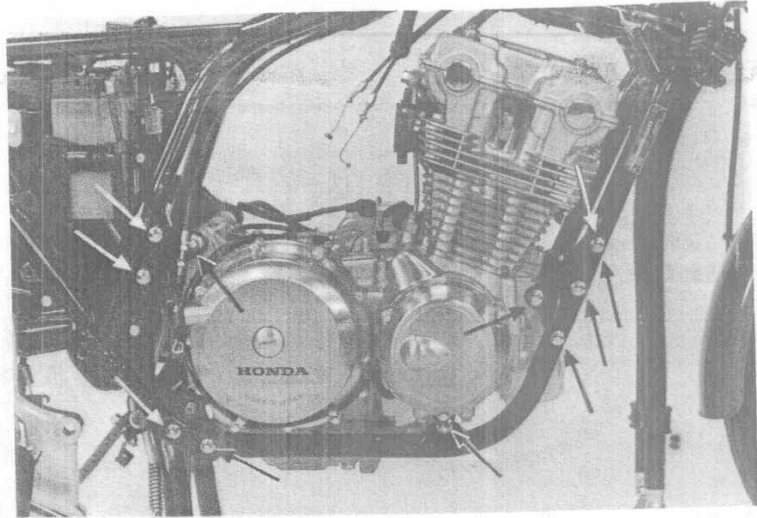




ENGINE REMOVAL/INSTALLATION

Remove the right pillion step holder.
Place a jack under the engine.

Remove the engine hanger brackets and bolts.
Remove the engine toward the right.





ENGINE INSTALLATION

The installation sequence is essentially the reverse of removal.

NOTE

- Route the wires and cables properly (Page 1–8).
- Fill the crankcase to the proper level with the recommended oil (Page 2–1).
- Perform the following inspection and adjustments:
Throttle cable free play (Page 3–12).
Clutch lever free play (Page 3–20).
Drive chain free play (Page 3–16)
Choke cable free play (Page 3–12).

TORQUE VALUES:	8 mm flange bolt/nut	18–25 N·m (1.8–2.5 kg·m, 13–18 ft-lb)
	10 mm flange bolt/nut	30–40 N·m (3.0–4.0 kg·m, 22–29 ft-lb)
	12 mm flange bolt/nut	55–65 N·m (5.5–6.5 kg·m, 40–47 ft-lb)
	Drive sprocket	33–37 N·m (3.3–3.7 kg·m, 24–27 ft-lb)

