



Fig 2.

Raise the loader arms until the attachment is clear of the ground.

WARNING

A raised and badly supported machine can fall on you. Position the machine on a firm, level surface before raising one end. Ensure the other end is securely chocked. Do not rely solely on the machine hydraulics or jacks to support the machine when working under it.

Disconnect the battery, to prevent the engine being started while you are beneath the machine.

GEN-1-1

Removal

- 1 Raise the rear of the machine to a sufficient height for the rear road wheels to be removed. Support the machine at this height and block underneath the counterbalance weight.
- 2 Remove the rear road wheels.
- 3 Disconnect and plug the hydraulic pipework to the service brake unit on the transfer gearbox.
- 4 Disconnect the cable from the parking brake on the transfer gearbox.
- 5 Remove bolts **2-A** securing the propshaft to the service brake disk.
- 6 Support the weight of the axle assembly using a trolley jack and a wooden block as shown. The wooden block must span the axle and transfer gearbox, with the trolley jack positioned at the approximate point of balance.
- 7 Support the transmission motor.

Note: Later machines are fitted with a different transmission motor to that shown in the illustration. The axle removal procedure is the same for both types of motor.

- 8 Remove bolts **2-B** securing the transmission motor to the transfer gearbox.
- 9 Remove the nuts **2-C** and bolts **2-D** securing the axle.

- 10 Carefully ease the axle forward sufficiently to disengage the transmission motor shaft from the transfer gearbox. Take care not to damage the splines on the transmission motor shaft.
- 11 Raise the rear of the machine a further 20 cm approximately and block at this height as before.
- 12 Using the trolley jack, lower the axle assembly sufficiently for it to be withdrawn sideways from underneath the machine.

Replacement

Replacement is the reverse of the removal procedure.

Torque tighten all bolts.

Refit the road wheels and carry out wheelnut tightness check, see **Tyres and Wheels**, Section 3.

Bleed the service brake system, refer to **Brakes**, Section G.

Check the axle and hubs are filled to the correct level with the appropriate oil, see **Lubricants and Capacities**, Section 3 for recommended oil.

Table 2. Torque Settings

Item	Nm	kgf m	lbf ft
A	476	48	351
B	98	10	72
C	476	48	351



Rear Axle - 410B ZX, 411B ZX

