

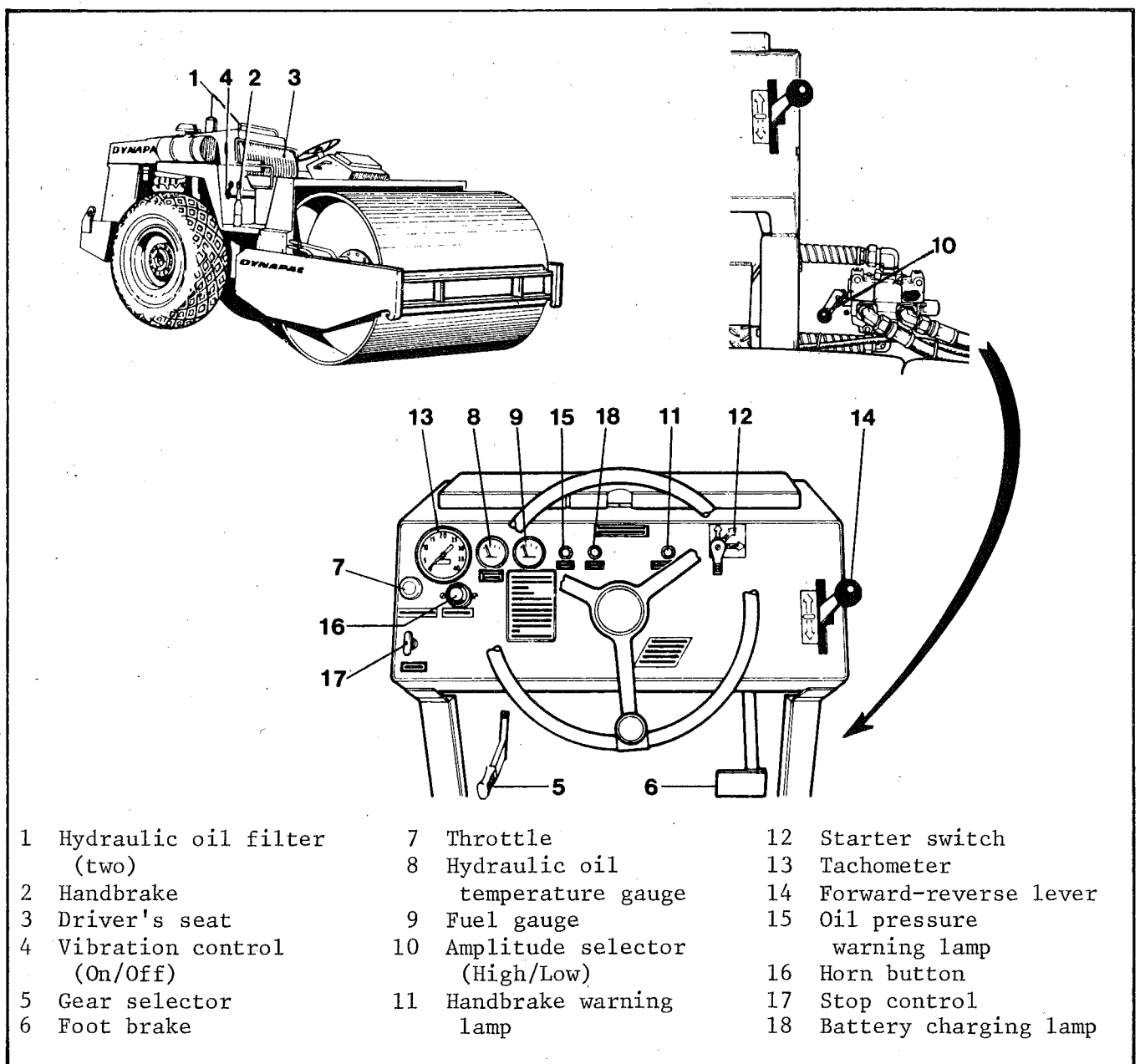
DYNAPAC®

DRIVING INSTRUCTIONS

VIBRATING ROLLER CA30-CA30D

Deutz F6L 912 engine

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BEFORE STARTING

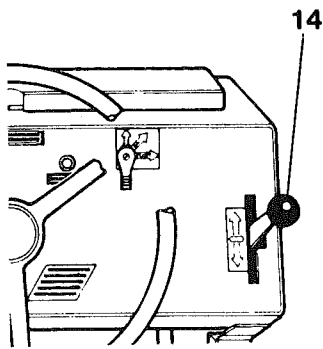


Fig. 1

- 1 Check that the daily maintenance has been carried out (see the Maintenance Instructions).
- 2 Move the forward-reverse lever (14) to the "NEUTRAL" position. The engine cannot be started if this lever is in any other position.

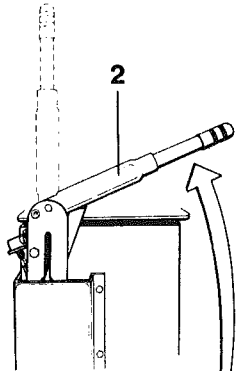


Fig. 2

- 3 Apply the handbrake (2) by pulling up the lever.

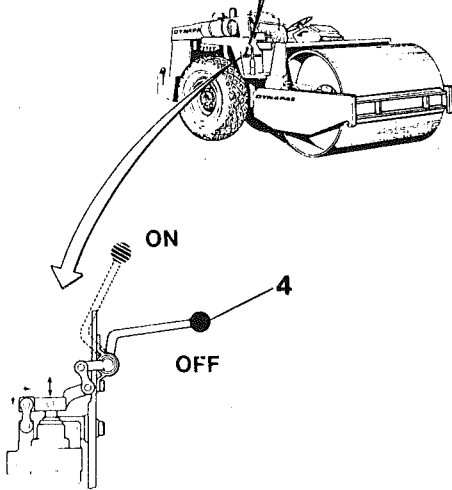


Fig. 3

- 4 Move the vibration control (4) to the "OFF" position.

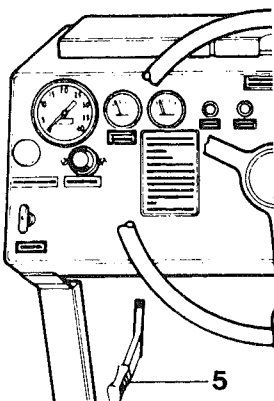


Fig. 4

- 5 Check that the gear selector (5) is engaged (see the sticker under the instrument panel).

STARTING THE ENGINE

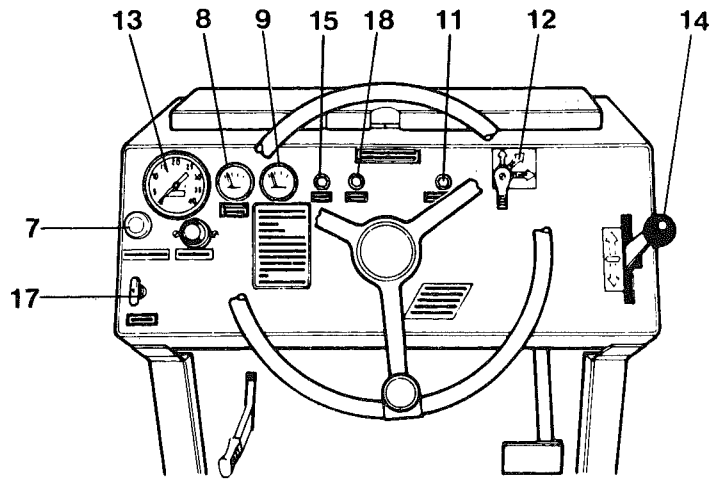


Fig. 5

- 1 Check that the stop control (17) has been pushed fully home.
- 2 Set the throttle (7) to about 1/3 full throttle.
- 3 Turn the starter switch (12) to the "ON" position. Check that the hydraulic oil temperature gauge (8), and fuel gauge (9) indicate readings and that the oil pressure warning lamp (15) and the handbrake warning lamp (11) light up. If the horn sounds, move the forward-reverse lever to the "NEUTRAL" position.
- 4 Turn the starter switch (12) to the "START" position and hold it there until the engine fires. Do not keep the starter motor running for more than about ten seconds. The starter switch will return automatically to the "ON" position. When starting the engine at temperatures below -12°C (10°F), a small amount of starter gas may be sprayed into the air cleaner before starting.
- 5 Run the engine at 800-1000 rpm (14) for 2-10 min, depending on the air temperature, to warm it up.
- 6 While warming up the engine, check that the battery charging lamp (18) and the oil pressure warning lamp (15) do not light up.

If the engine fails to start, wait a short while before trying again.

DRIVING

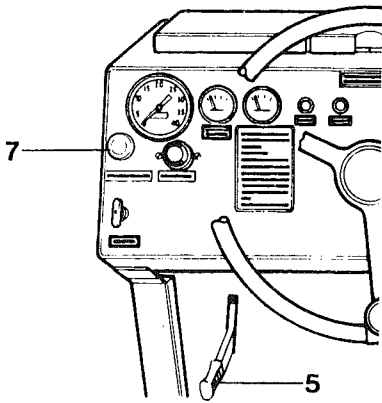


Fig. 6

- 1 Open the throttle (7) until the engine is running at a speed of 2400 rpm.

Check that the steering system is in working order by turning the steering wheel once to the right and once to the left while the roller is stationary.

- 2 Move the gear selector (5) to the desired position (see the sticker under the instrument panel).

The values in brackets apply to CA 30D machines.

Position 1 = Working position
max. speed 6 km/h (6 km/h)

Position 2 = Road transport position
max. speed 12 km/h (9 km/h)

Position 3 = Road transport position
max. speed 23 km/h (12 km/h)

Position 3 should only be used when driving on smooth straight roads.

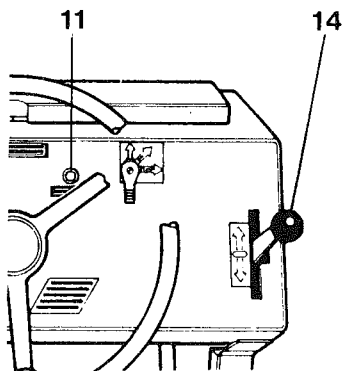


Fig. 7

The roller speed can be adjusted by means of the forward-reverse lever (14), (which is also the normal brake for stopping the roller).

- 3 Release the handbrake (2), by moving the lever forward and down. This should cause the handbrake warning lamp (11), fig. 7, to go out.

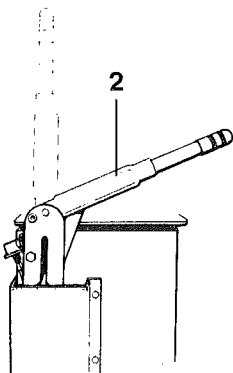


Fig. 8

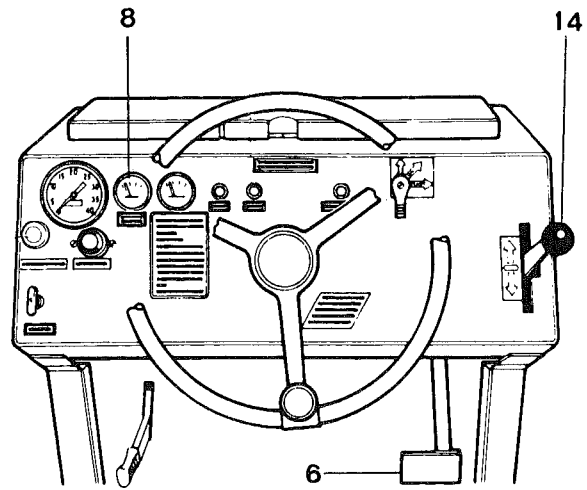


Fig. 9

If the horn sounds, this indicates that the handbrake is applied.

- 4 Move the forward-reverse lever (14) to the desired setting. Control the speed of the roller with this lever. The engine should always run at 2400 rpm. The roller will be brought to a halt by moving the forward-reverse lever to the "NEUTRAL" position.
- 5 While driving, check that the gauges readings are normal and that the warning lamps do not light up. The maximum hydraulic oil temperature (8) should not exceed approx. 82°C (approx. 185°F).
- 6 Check that the foot brake (6) is in proper working order (see the Maintenance Instructions).

BRAKING

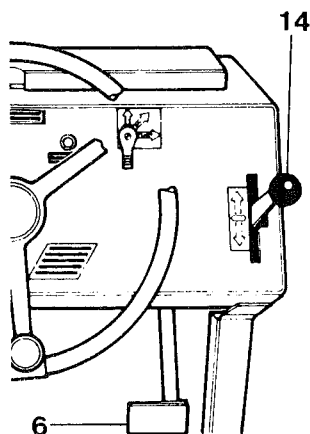


Fig. 10

Normal braking while driving

Braking should normally be carried out by means of the forward-reverse lever (14). The hydrostatic transmission will slow down the rear wheels when the lever is moved to the "NEUTRAL" position. (On the CA 30D, the drum will also be braked.)

Foot brake

The roller is equipped with a foot brake (6) that acts on the drum brakes on the rear wheels to bring the roller to a halt quickly (in emergency situations). Move the forward-reverse lever to the "NEUTRAL" position simultaneously.

STOPPING

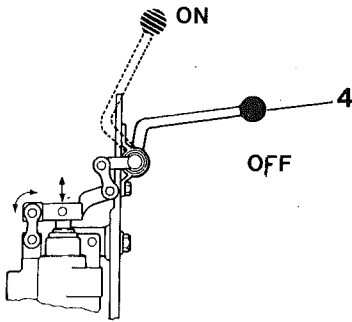


Fig. 11

- 1 Set the vibration control (4) to the "OFF" position.
- 2 Move the forward-reverse (14), fig. 12, to the "NEUTRAL" position.
- 3 Apply the handbrake (2), fig. 8.
- 4 Run the engine at idling speed for about 5 min. to allow the engine temperature to fall.
- 5 Pull out the stop control (17), fig. 12, to stop the engine.

PARKING

Never leave the roller with the diesel engine running

When parking on an incline, use a stone or suchlike to chock the drum.

VIBRATION DRIVING

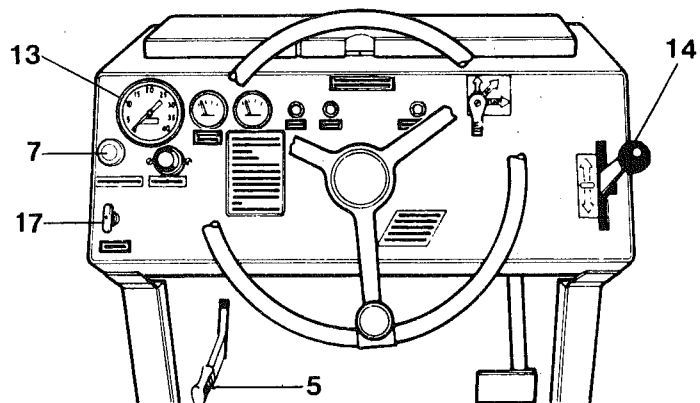


Fig. 12

- 1 Check that the vibration control (4), fig. 14, is in the "OFF" position.
- 2 Move the gear selector (5) to position 1 (see the sticker under the control panel).
- 3 Select the required amplitude (see the sticker on the drum cover). The roller may be run with high or low amplitude vibrations. The amplitude is changed from high to low or low to high using the amplitude selector (10) located on the drum cover.

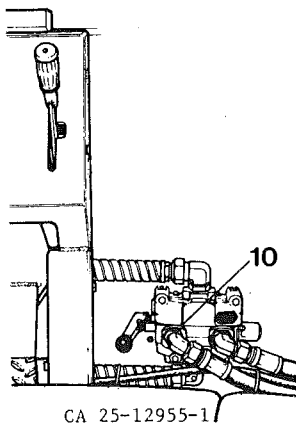


Fig. 13 Changing the amplitude

10 Amplitude selector

Never move the amplitude selector lever between high and low amplitude when the vibration is on - wait a few seconds until the eccentrics have stopped before changing the setting.

- 4 Start the engine. Adjust the throttle (7) until the tachometer (13) reads 2400 rpm. Carry out fine adjustment of the speed by turning the upper part of the throttle.
- 5 Release the handbrake and move the forward-reverse lever (14) to the desired direction of travel and control the speed of the roller with this lever.
- 6 Use the vibration control (4) to engage vibration when the roller is in motion. If the engine speed should drop, increase it to 2400 rpm (7).
- 7 Disengage the vibration when changing the direction of travel. To change the direction of travel from forward to reverse or vice versa, move the forward-reverse lever (14), fig. 12, slowly past the "NEUTRAL" position. The hydrostatic transmission ensures that the roller will be brought to a stop and will reverse its direction of travel smoothly.

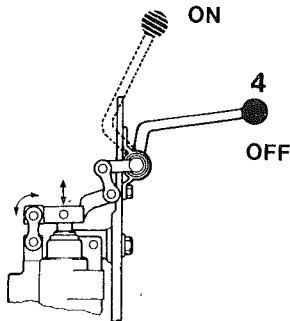


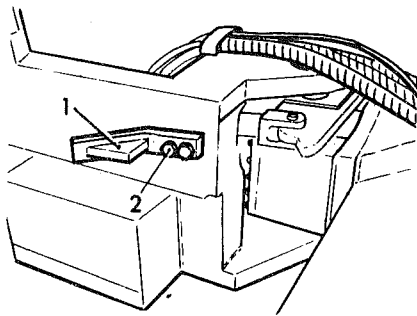
Fig. 14

LIFTING INSTRUCTIONS

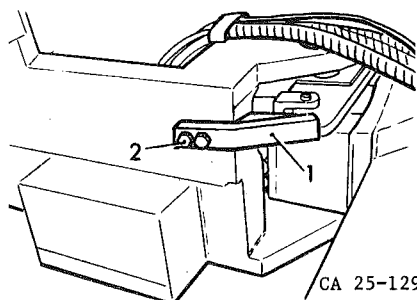
The front and rear frames must be locked before lifting the roller, to prevent turning about the steering pivot.

- 1 Run the roller onto a flat surface with the front and rear frames in line.
- 2 Stop the engine.
- 3 Remove the bolts (2) in fig. 15a and fit the locking device (1) as shown in fig. 15b.

Fit a locking device on each side of the machine.



a) Position when driving



b) Position when lifting

Fig. 15 Locking device

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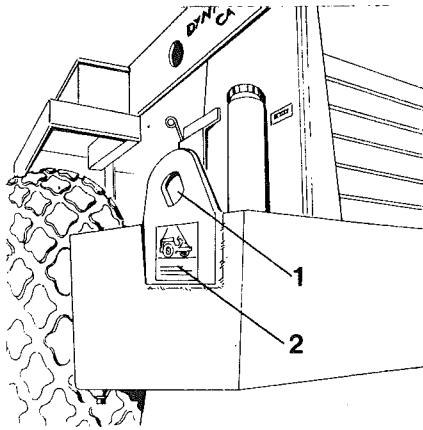


Fig. 16

Fit the lifting tackle in the lifting slots (1) and lift the roller. The location of the lifting slots and the weight of the roller are marked on the plate (2) on the left-hand side of the roller.

Lifting tackle is available as an optional equipment (see the spare parts catalogue). If other lifting tackle is used (see fig. 17), note that steel ropes, chains, etc. must be designed to conform to the regulations currently in force.

NEVER WALK UNDER A SUSPENDED LOAD!

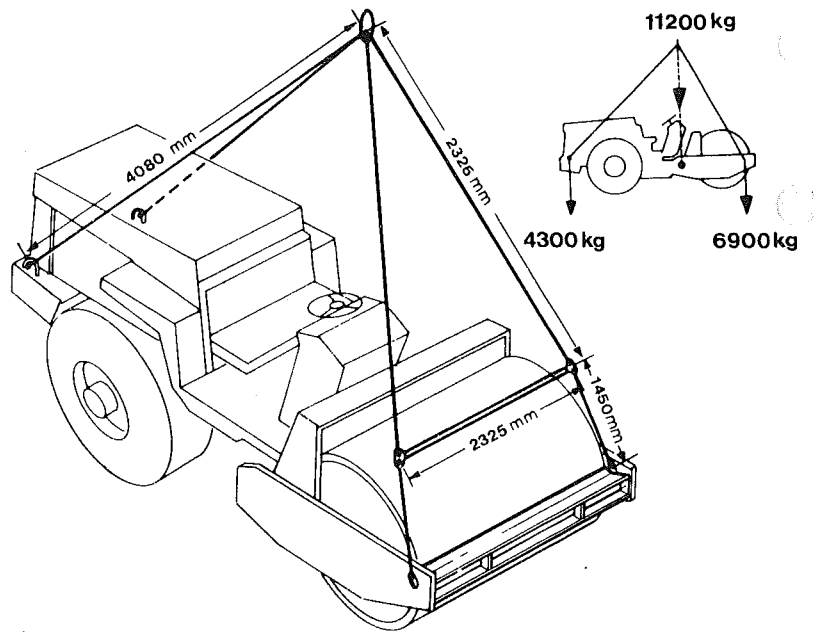


Fig. 17

DRIVING AFTER LIFTING

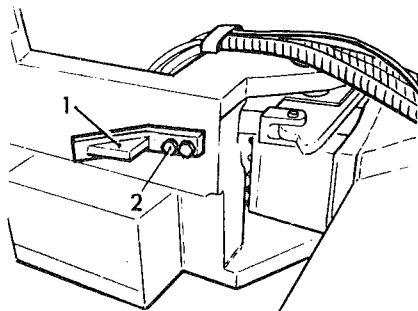


Fig. 18

Remove the locking devices from both sides of the roller and fit them as shown in fig. 18.

SAFETY RECOMMENDATIONS

- Never leave the roller with the engine running.
- Always chock the drum when the roller is parked on an incline. The engine must be switched off.
- Never carry passengers on the roller.
- Always ensure that the brakes are in good working order (see the Maintenance Instructions).
- Never carry out repairs or adjustments when the engine is running.
- Ensure that nobody comes between the tractor part and the drum part of the roller when the engine is running, since they would run the risk of being crushed.
- Ensure that guards are always fitted over V-belts and rotating shafts.
- Be observant on site and ensure that nobody comes in the path of the roller.
- Use the horn to attract attention.
- The unintentional sound of the horn may indicate that the fan belt has broken. Park the roller in a safe place, stop the engine and investigate the fault.
- Drivers must be familiar with the roller operating and maintenance instructions before starting or driving the roller.