

START- UP AND WORK TOWING - TRANSPORT - LIFT ON-ROAD TRANSFER

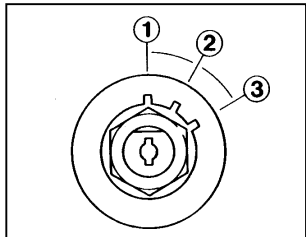
START- UP AND WORK

Start-up

Anyone operating this vehicle for the first time must carefully read and observe the regulations laid down in this manual.

To start the engine proceed as follows:

- a) Check the following levels:
 - diesel engine oil
 - diesel engine radiator water
 - hydraulic oil
- b) Check that the reverse lever is in the neutral position: if the lever is not in this position the engine does not start.
- c) If the engine is hot press the accelerator all the way down and operate the starter motor by turning the key clockwise to position "3".



IGNITION

- 1 - Key extracted
- 2 - Contact made
- 3 - Start up

- d) If the engine is cold or if external temperatures are low proceed as follows:
 - Take the engine acceleration lever to the max.speed pos.
 - Turn the ignition key clockwise to pos."3" to start the engine, then let the key turn back to pos."2" as soon as the engine starts.
 - Adjust acceleration lever to obtain a uniform slow running.
- If the engine doesn't start within 30 seconds, have the ignition key turn back to pos."2" for other 30 seconds, then start the starter once again for max.30 sec.
- e) Once the engine has been started, warm it up before working or driving.

Bleeding air trapped in the fuel line

Air bubbles may form in the fuel supply system after prolonged engine idleness, after work on the fuel filter and fuel feed lines, or if the fuel tank is allowed to run dry. Air may be present in the fuel feed pipes causing feeding difficulties.

Air must be bled before starting. Procedure:

- 1) Loosen the drilled screw on the prefilter lid (A2). Operate the fuel pump lever (C) until the outgoing diesel is free of bubbles. Retighten the screw.
- 2) Repeat the operation described above for the revolving connection of filter (A1).

Note:

If the fuel pump cam is on its highest position it is not possible to operate the lever: In such a condition you must turn the engine shaft by 360°.

- 3) Repeat this operation on the connection nut (D1) of the thermostarter.
- 4) Loosen the high pressure pipes connection nuts (E1) of two of the injectors, operate on the starter until the outgoing fuel is free of bubbles, then retighten the connection nuts.
- 5) The engine is ready to be started up.

Note:

For further instructions see the engine handbook.

