

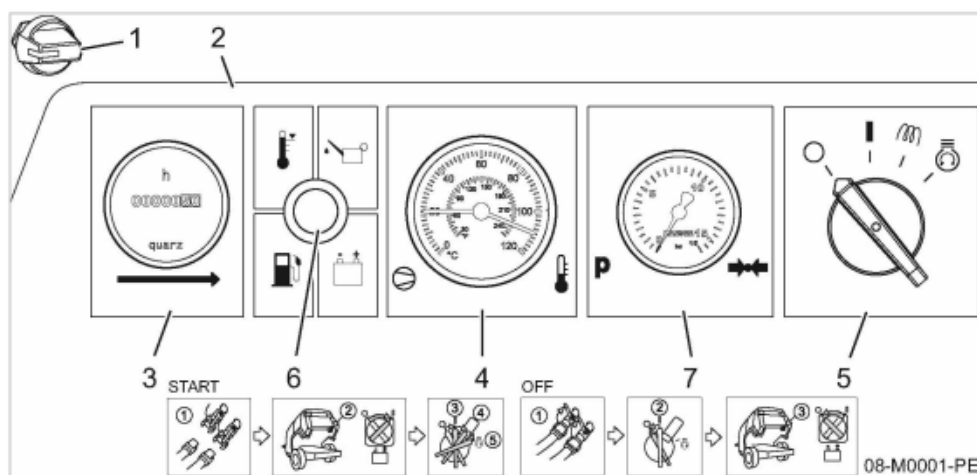


Fig. 20 Starting instruments

- | | |
|------------------------------|--|
| ① «Controller ON» switch | ⑥ ON |
| ② Control panel | ⑦ Preheating |
| ③ Operating hours counter | ⑧ START |
| ④ Remote contact thermometer | ⑨ <i>Charging indicator lamp, Group alarm lamp</i> |
| ⑤ «Ignition switch»: | ⑩ Compressed air outlet pressure gauge |
| ⑥ STOP/OFF | |

Note the following when operating in snow and ice:

Significant snow or ice build-up can occur on the machine when operating in winter conditions.

- Remove any snow and/or ice from the machine before operating.

8.2.1 Commissioning the machine

The «Controller ON» switch is positioned inside the machine, behind the control panel. Pictograms below the instrument panel describe the start-up process.

1. Open the enclosure.
2. Turn the «Controller ON» switch ① to the "I" position.
3. Close and secure the enclosure.
4. Open all compressed air discharge valves.

8.2.2 Starting the machine



1. **NOTICE!**

Irreparable damage to the starter!

Improper operation can damage the starter irreparably.

- Do not activate the starter switch when the engine is still running.
- Do not turn and hold the starter switch for longer than 30 seconds.
- Wait for a few minutes after each attempt to start the machine.
- The ignition switch must be returned to the neutral position before each start attempt (re-start protection).

2. Turn the «ignition switch» ⑤ to the "I" position.
The *charging indicator lamp* should illuminate.
3. Turn the «ignition switch» to the "II" position and hold in place (max. 5-10 seconds).
The glow plugs are activated and the diesel engine preheated.
4. Turn the «ignition switch» to the "III" position and release it as soon as the engine starts.

The *charging indicator lamp* is extinguished as soon as the engine is running.
If the charging indicator lamp is not extinguished, a fault has occurred. See chapter 9.2.



The electric fuel pump starts automatically during preheating. This vents the fuel lines before each start.
The maximum preheating time should be 5-10 seconds.

8.2.3 Running the machine up to operating temperature

To avoid needless wear, the engine should be run in IDLE until the airend discharge temperature has reached +30 °C. The airend discharge temperature is displayed by the remote contact thermometer on the control panel.

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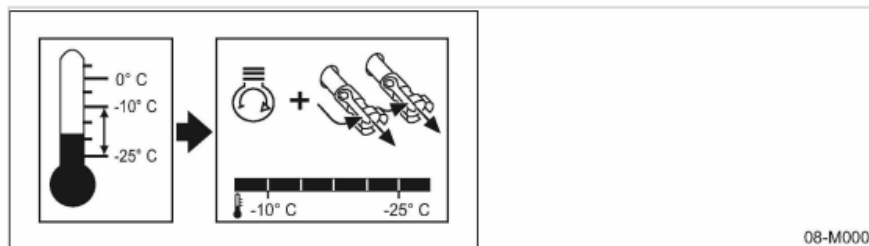


Fig. 21 Warm-up period label for ambient temperatures below -10 °C

- Allow the machine to warm up in IDLE.

8.2.5 Operating the machine under load

Precondition The airend discharge temperature must be at least +30 °C

1. Connect the consumer(s) to the compressed air discharge valves.
2. Open the compressed air discharge valves.

8.2.6 Shutting down the machine

1. Close all «compressed air discharge valves» on the air distributor.
The engine is running in IDLE.
2. Turn the «ignition switch» to the "0" position.
The engine switches off.

Decommissioning the machine:

1. Open the enclosure.
2. Turn the «Controller ON» switch to the "0" position.
3. Close the enclosure.



Lock the enclosure if necessary.