



TA 1000-0007

Technical Instruction

Turning coupled and free-standing generators



© INNIO Jenbacher GmbH & Co OG
Achenseestr. 1-3
A-6200 Jenbach, Austria
www.innio.com

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1 Scope

This Technical Instruction (TA) applies to the following Jenbacher Gas Engines:

- Type 2 engines
- Type 3 engines
- Type 4 engines
- Type 6 engines

and for all generators, apart from the LSA56 and TD125

2 Purpose

This Technical Instruction [TA] describes:

- turning modules when held in storage for longer than 50 weeks.
- turning modules when held in third-party storage for longer than 2 months.

3 Safety information

WARNING



Personal injury


Failure to use personal protective equipment and comply with safety instructions or employee protection information may lead to personal injury.

- Wear the relevant personal protective equipment (PPE).
- Observe the safety instructions as per TA 2300-0005.
- Observe the employee protection information as per TA 2300-0001.

4 Required tools, equipment and materials

Please inform us if you use tools and equipment different to those on the list.

Tools and aids required for the following work are listed below.

| Part number | Description | Note | Illustration |
|--|---|--|--|
| <ul style="list-style-type: none"> Only use conventional tested workshop tools. | | | |
| 1237369 | Standard tools for service technicians (EMER) | Case with mechanical hand tools and foam inserts For details see TA 1310-0011 |  <p>Illustration for information only</p> |

5 Additional information

After turning the generator or module, carry out a visual inspection (external damage, electrical connections, vibration sensors, temperature sensors, etc.) of the entire generator or module (see also TA 1000-0004).

This must also be entered in the check list in TA 1000-0004 or in the check list kept directly at the generator or module.

This TA does not apply to generators with plain bearings.

Do not tear open the packing during shipment overseas.

After a prolonged standstill period > 6 months, check the insulation resistance.

Switch on the anti-condensation heating when unpacking the generator and prior to commissioning.

All transport safety devices must be removed as per TA 1000-0044 before turning the generator or module, and refitted after turning. The transport safety devices for Type 2, 3 and 4 engines are tightened to a torque of 50 Nm.

Relevant documents:

TA 1000-0004 – Preservation of Jenbacher modules

TA 1000-0044 – Transport safety pegs

TA 1310-0011 – Standard tool catalogue

TA 2300-0001 – Employee protection

TA 2300-0005 – Safety instruction

6 Turning modules including generators

Type 2 & 3 engines

- Push in the turning gear and turn the generator through about $\frac{1}{4}$ of a turn with a 19 AF ratchet wrench.



Type 4 engines

- Push in the turning gear and turn the generator through about $\frac{1}{4}$ of a turn with a 19 AF ratchet wrench.



7 Turning generators not coupled to engines

- If a rotor anti-rotation device is fitted, undo the lock nut with a 65 AF open-ended wrench and turn the coupling about $\frac{1}{4}$ of a turn. Then retighten the lock nut.



- If no rotor anti-rotation device is fitted, turn the generator $\frac{1}{4}$ of a turn with a ratchet wrench.



Additional transport safety devices may be fitted to type LSA53, LSA54 and DIG142 generators manufactured by Leroy Somer (see TA 1000-0044).

- Remove the additional transport safety devices and turn the generator $\frac{1}{4}$ of a turn with a ratchet wrench.
- Refit the additional transport safety devices and tighten the nuts on them to a torque of 65 Nm.

8 Revision code

Revision history

| Index | Date | Description / Revision summary | Expert Auditor |
|-------|------------|---|---|
| 2 | 08.04.2019 | GE durch INNIO ersetzt / GE replaced by INNIO | Opoku <i>Pichler R.</i> |
| 1 | 14.09.2018 | Erstausgabe / First issue | Baumgartner M. <i>Krainz G.</i> |