

Springstarter

Easy Diesel Hand Starting With  Kineteco Spring Starters

Spring Starter Check Procedure

for Simms SS / SR / HSS / HSR / FSS / FSR Spring starters

DO NOT WIND A SPRING STARTER UNLESS INSTALLED ON AN ENGINE

If you want to check that your **spring starter** is in good operating order, follow this procedure.
A qualified engineer should perform this operation.

STARTER INSTALLED ON ENGINE

1. Is the spring colour in the window **green** (unwound)? **Yes** **No**
Yes - Pull the trip lever before taking the starter off the engine.

No – Fully unwind the starter as per operating instructions.
Report to Kineteco for further instructions if the springs are **red** and the starter cannot be tripped or unwound. Do not dismount the starter from the engine.

STARTER NOT INSTALLED ON ENGINE

2. **Make sure that the procedure above was followed prior to removal of the starter from the engine and that only green springs are visible through the window.**
3. Then press the reset button and pull the trip lever. You will hear a loud click as the reset button is pushed and a much quieter one as the trip lever is pulled.
4. Turn the handle. The pinion should rotate freely without moving forwards (or feed forward a little and then drop back).
5. Pull the trip lever down and release. Then, using your fingers, you should be able to pull the pinion forward freely against the return spring pressure.
6. Press the reset button and turn the handle again. The pinion should rotate and lock, then try to move forward without rotating to the end of the shaft where it stops. If no resistance is placed on the pinion, it may jump back and then try again. If necessary, use the tip of a screwdriver to apply some load to the pinion, so that winding the starter can drive it right forward.
7. Stop turning the handle as soon as the pinion stops moving forward and resistance builds up on the winding handle. Trip the starter by pulling the lever. The pinion should withdraw back into the starter.

If there is a problem at any stage, contact Kineteco for further diagnostic instructions. Dismantling the **spring starter** will invalidate the warranty and make further diagnosis difficult.

Do not wind the starter to load it significantly at any stage when it is not mounted on the engine. Doing so may be dangerous and discharging the starter without a load may damage it.

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