

SCR Back Pressure Sensor Modification

Tools Needed:

Serdia Level 2 or higher (highly recommended)
1/8" Drill Bit

Model:

**GTH1056 models with a SCR
back pressure sensor.**

Genie
A TEREX BRAND

TECH▲PRO™

SERVICE AND TECHNICAL TRAINING

TECH-TIP

Tech Tips Safety Rules



Danger

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

Do Not Perform Maintenance Unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

TECH-TIP

The following engine faults may be present prior to this modification:

14-24195: Standstill request due to crystallization ignored too long

14-24190: Derate lvl 1 active.

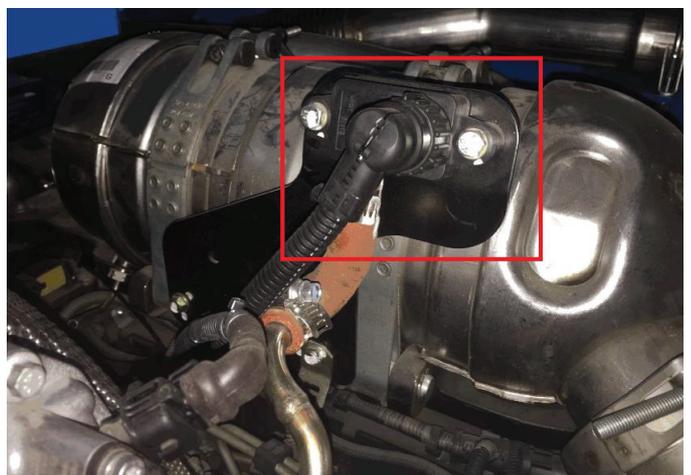
14-24267: Max. launch time for stand still exceeded (60min)

Note: If the ECU has locked the engine in derate, or is requesting a regen. This modification must be done first before a regen can be performed.



Step 1

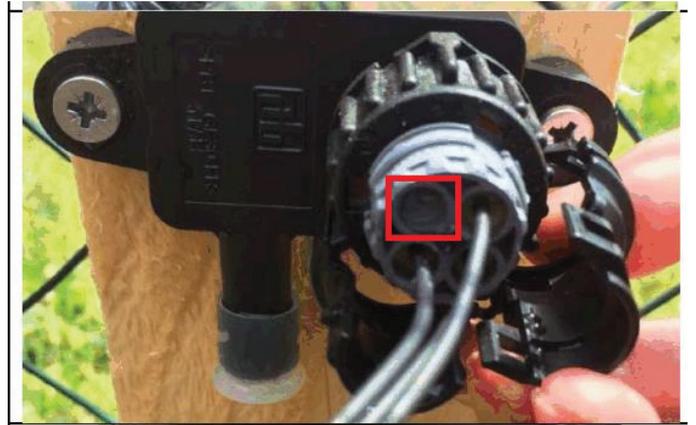
Locate the SCR back pressure sensor on the SCR.



TECH-TIP

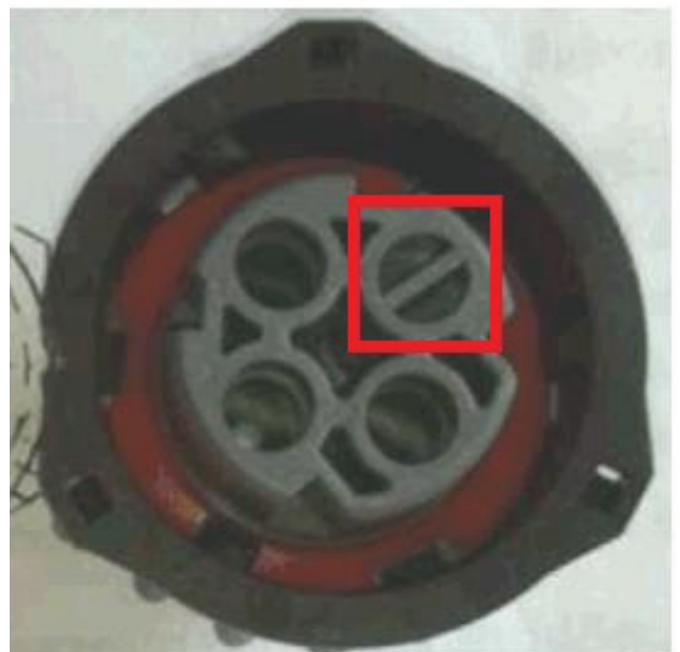
Step 2

Unplug the harness from the sensor and locate the empty wire passage.



Step 3

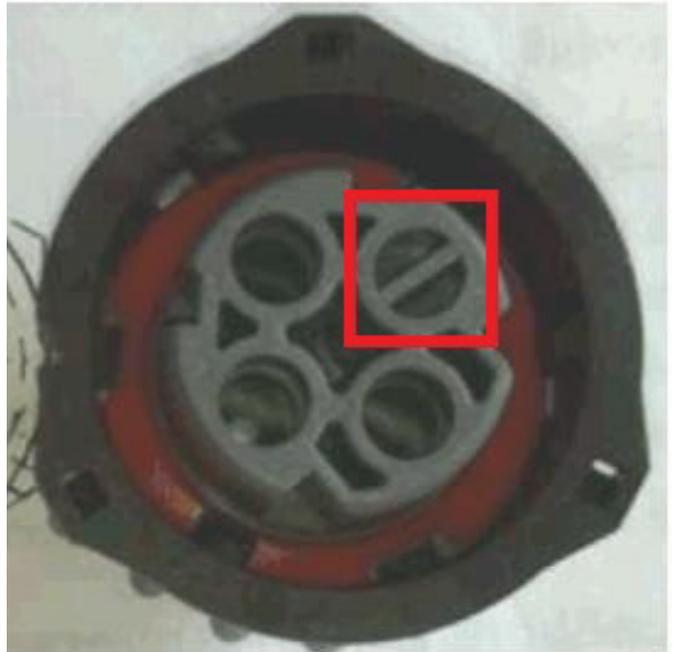
Looking at the connector, you may have a bar across the blank wire passage, this bar must be completely removed.



TECH-TIP

Step 3

Using an 1/8" drill bit, create an air passage in the center of the plug blocking the empty wire passage. This will allow the sensor to monitor atmospheric air pressure.



Step 4

Do not remove the membrane on the SCR back pressure sensor.



TECH-TIP

Step 5

Re-connect the harness to the SCR back pressure sensor.



Step 6

After the modification has been completed, perform a manual regen.

Note: Reference the machine service manual for the regen procedure.