

Engine Will Not Start: Checking Engine Ground Strap (174/21)

Revision: This bulletin replaces bulletin ATI Group 9 2127, dated October 26, 2021.

Model Lines: **911 (992)**

Model Year: **As of 2019**

Concerns: **Engine ground strap**

Information: Component analyses of replaced starters have shown that the starter was generally free of faults and was not the cause of engine starting problems. Instead, the cause is usually due to poor electrical contact of the ground strap between the engine and body.

For this reason, the engine ground connection must always be checked first before replacing the starter. The starter should only be replaced if the ground connection is OK and the problem still exists.

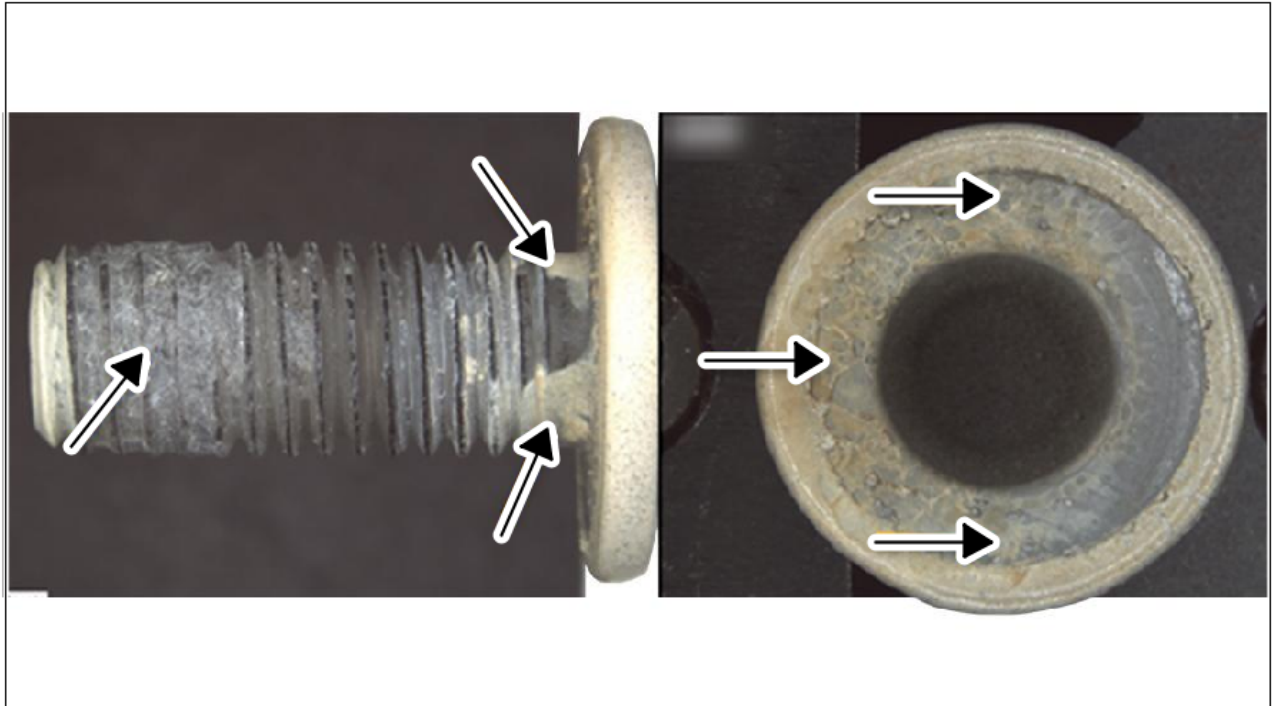
The following fault memory entries may be stored in the engine electronics control unit (DME) in connection with this fault type:

- P06EF00 - Start time too long (002E89)
- P167E00 - Start time too long (008F2A)
- P06E900 - Starter does not turn, mechanically blocked or electrical fault (001550)

Action required: Check ground connection of the engine.

The following factors may be responsible for poor ground connection:

- Paint contamination and corrosion on ground screws or ground strap
- Ground screws not tightened properly



Paint contamination on ground screws



Fault type – ground strap and ground screws

Checking ground strap

- Work Procedure: 1 Measure ground strap voltage drop.
- 2 Removing ground strap.
⇒ *Workshop Manual '978719 Removing and installing ground strap for engine'*
- 3 Check ground strap and fastening screw and brush off if necessary or clean with sandpaper.
- 4 Installing ground strap. Check that the tightening torque is correct.
Tightening torque 23 Nm
⇒ *Workshop Manual '978719 Removing and installing ground strap for engine'*

Invoicing

Invoicing: For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
97870100	Check engine ground strap	
97870125	Check engine ground strap	

PCSS encryption:

Location (FES5)	97870	Engine ground strap
Damage type (SA4)	1414	charred

References: ⇒ *Workshop Manual '978719 Removing and installing ground strap for engine'*

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