

PARTS & SERVICE NEWS

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(C)

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SUBJECT: MODIFICATION PROCEDURE TO IMPROVE PRESSURE SENSOR FOR FUEL INJECTION SYSTEM OF SAA6D170E-3 ENGINE

PURPOSE: To inform field personnel

APPLICATION: SAA6D170E-3 Engine, all S/N
 D375A-5 Bulldozer S/N 18001 thru 18334
 HD465-7 Dump Truck S/N 7001 thru 7339
 HD605-7 Dump Truck S/N 7001 thru 7139
 PC1250-7 Hydraulic Excavator, S/N 20001 thru 20206
 PC1250LC-7 Hydraulic Excavator, S/N 20001 thru 20206
 WA600-3 Wheel Loader, S/N 54001 thru 54016
 WA600-3A Wheel Loader, S/N 52001 thru 52167
 WA600-3D Wheel Loader, S/N 53001 thru 53052
 WA700-3 Wheel Loader, S/N 51001 thru 51026
 WD600-3 Wheeled Dozer, S/N 50001 thru 50018

FAILURE CODE: C122MC

DESCRIPTION:

1. Introduction:

Replace the pressure sensor for the fuel injection system of the SAA6D170E-3 engines following the modification procedure described in this **Parts & Service News**. (Replace the current pressure sensor with the new pressure sensor featuring lessened pressure pulsations and increased mechanical strength.)

2. List of Parts

Part No.	Part Name	Purpose of Part	Qty.	Remarks
6560-61-7102 (6560-61-7101)	Pressure sensor (Pressure sensor)	Replacement	1 (1)	

1. Details of the modification

Replacement of the boost pressure sensor

2. Modification procedure

1) Preparations before starting the modification work

(1) Park the machine on a flat place, turn on the parking brake and turn OFF the starting switch. After that, apply chocks to the tires.

2) Replacement of the boost pressure sensor (Refer to Fig. 1)

(1) Disconnect the connectors of the pressure sensor to replace them.

(2) Reconnect the connectors.

Boost pressure sensor
Current sensor 6560-61-7101
(Identification number: 3408469) \Rightarrow New sensor 6560-61-7102
(Identification number: 3408589)

Tightening torque for
the pressure sensor
 23 ± 3 N.m
(2.3 ± 0.3 kgm)

3) Checks to carry out after finishing the replacement work

Operate the machine after finishing the replacement work, and check the air leakage from the boost pressure sensor, and the output of boost pressure by monitor panel.

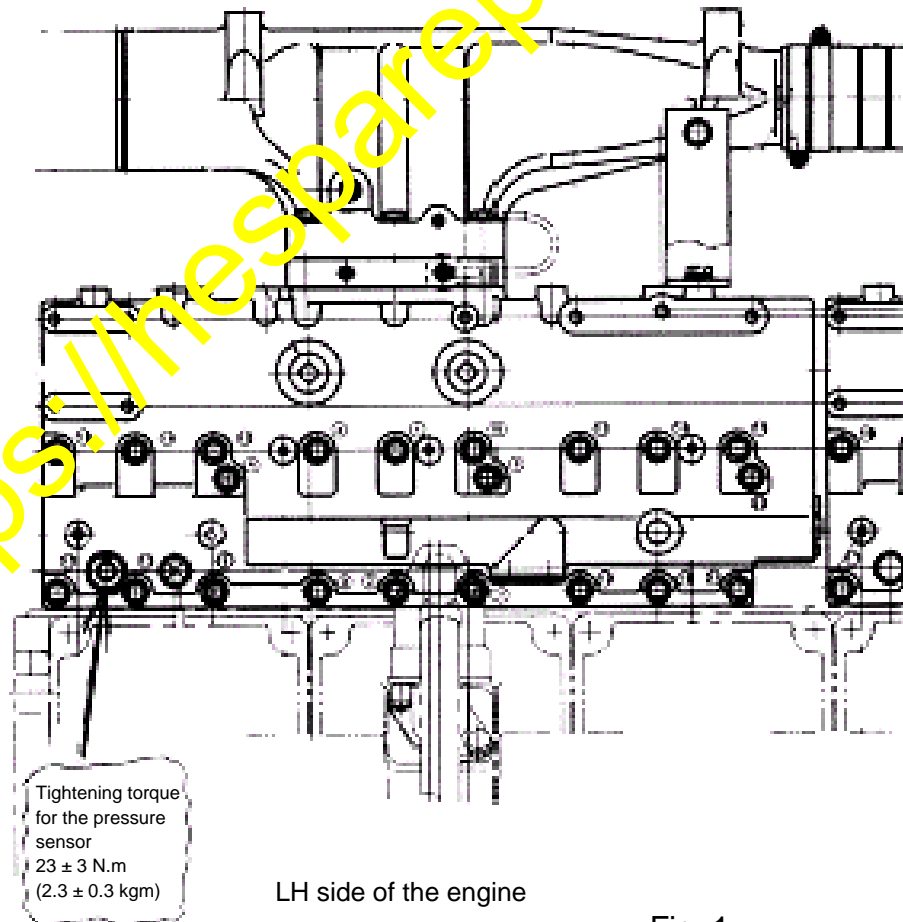


Fig. 1

Boost pressure sensor
Current sensor 6560-61-7101
(Identification number: 3408469) \Rightarrow New sensor 6560-61-7102
(Identification number: 3408589)