COMPONENT CODE C1
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## PARTS & SERVICE NEWS

**REF NO.** | AT04187

(C)

**DATE** Aug. 27, 2004

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- **SUBJECT:** REPAIR PROCEDURE FOR TIMING RAIL PRESSURE SENSOR FOR FUEL INJECTION CIRCUIT
- **PURPOSE:** To inform Field Personnel
- APPLICATION:
   A6D170E-G1-3 Engine S/N 00310001 and up

   A6D170E-KC-3 Engine S/N 00310001 and up

   SAA6D170E-2 Engine, All Serial Numbers

   D375A-5 Bulldozers, S/N 18001 thru 18306

   HD465-7 Bulldozers, S/N 7001 thru 7315

   PC1250-7 Hydraulic Excavator, S/N 20001 thru 20189

   PC1250LC-7 Hydraulic Excavator, S/N 20001 thru 20138

   WA600-3 Wheel Loader, S/N 54001 thru 5403-5

   WA600-3D Wheel Loader, S/N 53001 thru 5.157

   WA600-3 Wheel Loader, S/N 51001 mru 5.1024

   WD600-3 Wheel Dozer, S/N 50001 thru 50016

## FAILURE CODE: C116MC

## **DESCRIPTION:**

1. Introduction:

When failures such as engine speed changes, generation of white smoke exhaust gas, etc., occur by malfunctioning of the timing rail pressure sensor for the fuel injection circuit, modify as outlined in this **PARTS & SERVICE NUWS**. (Replace the sensor with the new part with improved pressure pulsation and increased mechanical strength).

2. List of Parts:

Part No.	Part Name	Purpose of Part	Qty.	Remarks
6560-51-6201 (6560-51 6209)	Pressure Sensor (Pressure Sensor)	Replacement	1 (1)	



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1. Details of the modification Replace the timing rail pressure sensor for the control valve. 2. Modification procedure 2-1. Preparations before starting the modification work (1) Park the vehicle on a flat place, turn on the parking brake, turn OFF the starting switch and apply chocks to each tire. (2) Before starting the modification work, clean the surroundings of the timing rail pressure sensor to remove dirt, dust, etc. to prevent entry of dust into the fuel line. (3) Close the cock of the fuel tank before starting the modification work. (If the modification work is carried out with the cock opened, the fuel remaining in the fuel piping will return to the tank and air-bleeding may become necessary vinon re-starting the engine.) Be careful when replacing the timing rail pressure sensor since full will leak. (Place a fuel receiving pan to prevent the fuel from flowing out externally.) 2-2. Replacement of the timing rail pressure sensor of the control valve (Refer to Fig. 1.) (1) Remove the engine controller. (By removing 6 pcs.) f the mounting bolts) (2) Disconnecting the connector of the timing rail pressure sensor of the control valve, replace the timing rail pressure sensor. (3) Connect the connector. (4) Install the engine controller. Timing rail pressure sensor Tightening torque for the engine Current sensor New sensor controller mounting bolts: Since the opposite 6560-51-6200 г 6560-51-6221 8 ± 1 N.m side is made of (Identification (Identification 0.8 ± 0.1 kgm aluminum, strictly No. 3408381) No. 2106595) observe the Tightening torque for the instructions for the pressure sensor mounting bolts: tightening torque.  $14 \pm 2$  N.m 1.4 ± 0.2 kgm 2-3 Checks to make after finishing the modification work And finishing the modification work, operate the machine and make sure fuel does not leak from the timing rail pressure sensor section and check the output of the timing rail pressure sensor on the monitor panel.

