

# PARTS & SERVICE NEWS

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**SUBJECT:** INTRODUCTION OF IMPROVED DISPLAY OF PLM MEMORY ON DUMP TRUCK

**PURPOSE:** To introduce improved payload meters (PLM) to eliminate indication errors of the operation data being stored in the card-type payload meter being installed on HD785-3, HD785-5, HD985-3, HD985-5, HD465-5, HD605-5, HD325-6, HD405-6 and HD1200-1 dump trucks

**APPLICATION:** Vehicles equipped with card-type payload meter (PLM)  
(Applicable to all models)

**FAILURE CODE:** 7P7050

## DESCRIPTION:

### 1. Introduction

The software which works to indicate the operation data being stored in the card-type payload meter (PLM) on the display of the personal computer may not indicate some of the operation data correctly in some cases.

This failure occurs while the vehicle is performing cross-loading operations together with a wheel loader, etc. (the dump truck needs to move back and forth during the loading operation) but it does not occur while the vehicle is being loaded by a hydraulic excavator, etc. (the dump truck does not move during the loading operation).

When such indication errors are found, replace the PLM unit following the modification procedures in this Service News.

This type of indication error does not occur with the printer-type payload meter and there are no problems with the printer-type payload meter.

### 2. List of parts

Part No.	Part Name	Q'ty	Remarks
HD785-3, HD785-5, HD985-3, HD985-5, HD465-5, HD605-5, HD325-6, HD405-6			
581-83-67405 (561-86-67404)	Control box (Control box)	1 (1)	
HD1200-1			
581-86-55801 (581-86-55800)	Control box (Control box)	1 (1)	

### 3. Contents of the modification

#### (1) Description of indication errors

When indicating various operation data (cycle data) being stored in the card-type payload meter (PLM) on the display of the personal computer using the software to indicate such operation data, "stopping time for loading", "loaded traveling time", "loaded traveling distance", "loaded traveling speed (max. and average)" and "loaded stopping time" are indicated as "zero" in some cases.

#### (2) Causes

Since dump truck moves back and forth during cross-loading operations by use of a wheel loader, and suspension pressure used for calculation of the load therefore becomes unstable, the system cannot recognize that the loading operation has been started remaining in the empty state recognition, thus making zero indications for the stopping time for loading and various loaded state related data.

Meanwhile, in cases of loading operations by use of a hydraulic excavator, etc. where the vehicle does not need to move back and forth, such errors do not occur.

#### (3) Contents of the improvement

The software being used for the PLM has been revised to make proper recognition for starting of the loading operation even while cross loading is being made.

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#### 4. Replacement procedures

- (1) Park the vehicle on a level place, apply the parking brake, turn off the starting key and insert chocks behind the wheels.
- (2) Remove the PLM unit located in front of the assistant's seat. Refer to Fig. 1 and Fig. 2.

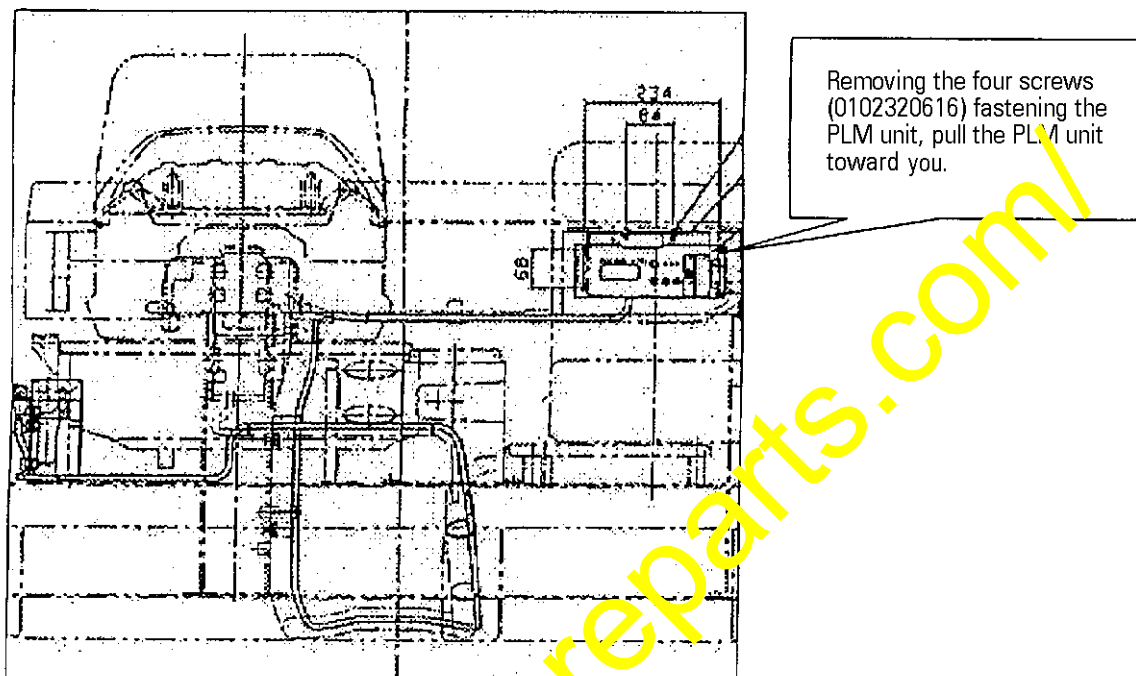


Fig. 1

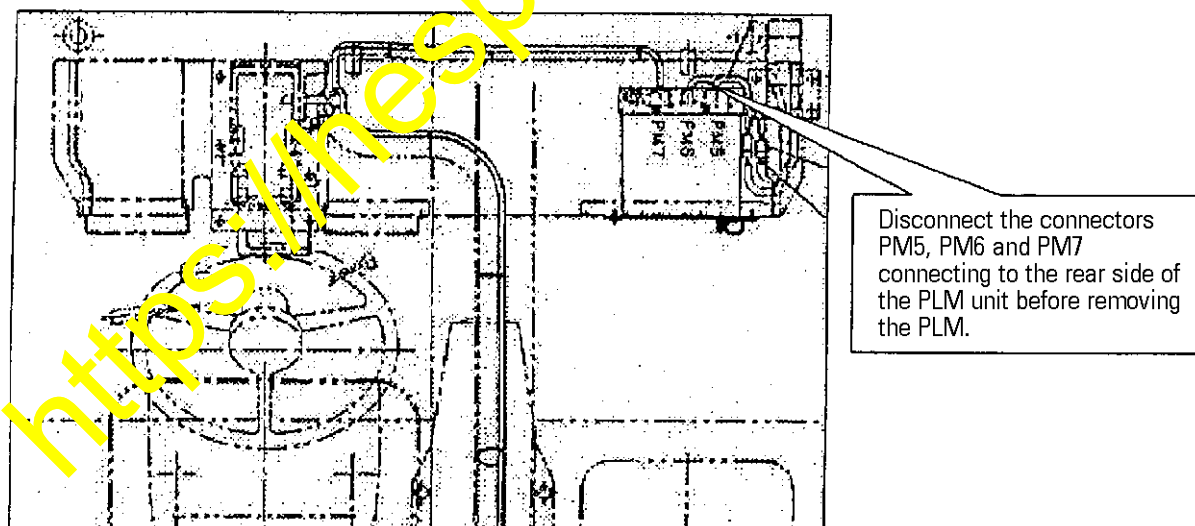


Fig. 2

- (3) Replacing the PLM unit with the improved unit (561-86-67405 in cases of the HD785-3, HD785-5, HD985-3, HD985-5, HD465-5, HD605-5, HD325-6 and HD405-6 and 581-86-55801 in cases of the HD1200-1), install the new PLM unit to the original position.
- (4) Execute settings for the PLM referring to Chapter 11 "When the error code "F. CAL" appears or necessary adjustment to make after replacing the controller" in the Instruction Manual for the PLM.