

**PARTS & SERVICE  
NEWS**

REF NO.	<b>AT04060</b>
DATE	<b>Apr. 16, 2004</b>
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**SUBJECT:** IMPROVED PILOT LAMP FOR SEESAW SWITCH ON WA-5 (GALEO)

**PURPOSE:** To introduce modification procedure to replace the seesaw switches with built-in pilot lamp on the WA-5 type wheel loaders (GALEO) when filament disconnection failure occurs with the pilot lamp

**APPLICATION:** WA380-5 Wheel Loaders, Serial Nos. 60001 thru 60376  
 WA400-5 Wheel Loaders, Serial Nos. 70001 thru 70022  
 WA430-5 Wheel Loaders, Serial Nos. 60001 thru 60096  
 WA470-5 Wheel Loaders, Serial Nos. 80046 thru 80055  
 WA470-5 Wheel Loaders, Serial Nos. 70001 thru 70175  
 WA480-5 Wheel Loaders, Serial Nos. 80001 thru 80055

**FAILURE CODE:** DDT4MA

**DESCRIPTION:**

## 1. Introduction

The current pilot lamp being built into the current seesaw switches which were employed starting from the WA-5 type wheel loaders (GALEO) may cause disconnection in its filament by vibrations of the machine, and then, the pilot lamp will not light any more. Therefore, this Service News will introduce the seesaw switches with improved built-in pilot lamp and when the aforementioned pilot lamp failure occurs, replace the seesaw switches with built-in pilot lamp following the modification procedure described in this Service News.

## 2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
421-06-36142 (421-06-36141)	Switch (Switch)	Replacement	1 (1)	2 position type (Damper cutoff, etc.)
421-06-36152 (421-06-36151)	Switch (Switch)		1 (1)	2 position type (Emergency steering switch)
421-06-36162 (421-06-36161)	Switch (Switch)		1 (1)	3 position type (Semi-automatic digging switch, overseas market option)
421-06-36172 (421-06-36171)	Switch (Switch)		1 (1)	3 position, automatic return type (Monitor mode switch)
421-06-36251 (421-06-36250)	Switch (Switch)		1 (1)	2 position type (AJSS switch, for overseas markets)
421-06-36191 (421-06-36190)	Lamp (Lamp)		1 (1)	Exclusive spare parts number of the pilot lamp being built into the new switches
421-93-31215 (421-93-31214)	Decal (Decal)		1 (1)	Standard centralized decal
421-S33-3971 (421-S33-3970)	Decal (Decal)		1 (1)	Option decal (For the AJSS selector switch)

3. The length of the section fixing the socket of the pilot lamp being built into the switch has been increased to improve the vibration resistance, and at the same time, the power consumption of the lamp has been reduced to extend its life, thus preventing occurrence of filament disconnection failure of the lamp.

Simultaneously, since the brightness of the lamp is decreased by reduction of power consumption of the lamp, the permeability of the decal has been increased.

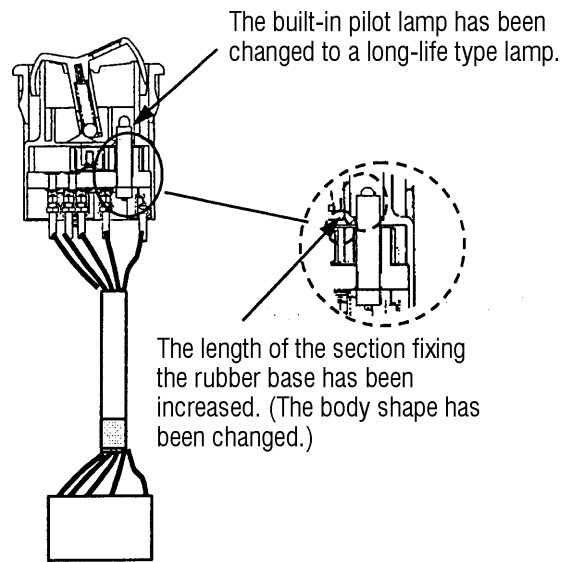


Fig. 1

※ Note 1)  
 This improvement is effective only when the modifications of the switch body and the lamp are combined. If the new lamp as an independent spare part is installed to the current switch, although it is possible to install the new lamp into the current switch, they are not effective for this improvement. Therefore, when the filament disconnection failure occurs, be sure to replace the current switch itself with the built-in pilot lamp.  
 The new lamp can be installed only to the new switch as a spare parts.

Identification of the new and current parts:

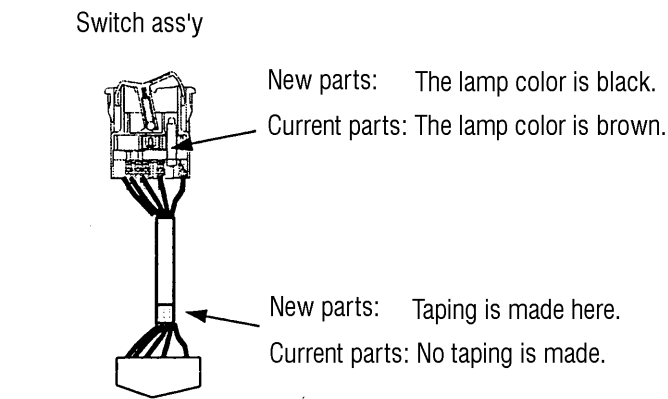
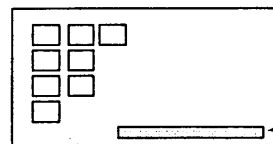


Fig. 2

Decal

Standard centralized decal



Option (AJSS selector switch) decal

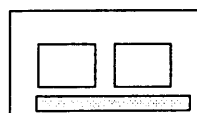


Fig. 3

4. Modification procedure

Park the machine on a flat and solid ground. (Apply chocks to the wheels in case the machine is equipped with the chocks.) After that, turn OFF the starting switch key and replace the seesaw switches being installed to various sections of the machine.

Process 1) Remove the seesaw switches and replace them with the new switch of the corresponding part number indicated in the table below, and after that, stick the corresponding decal.

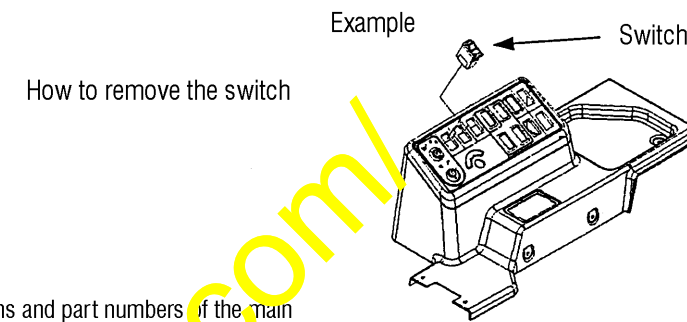


Fig. 4

Installed positions and part numbers of the main seesaw switches

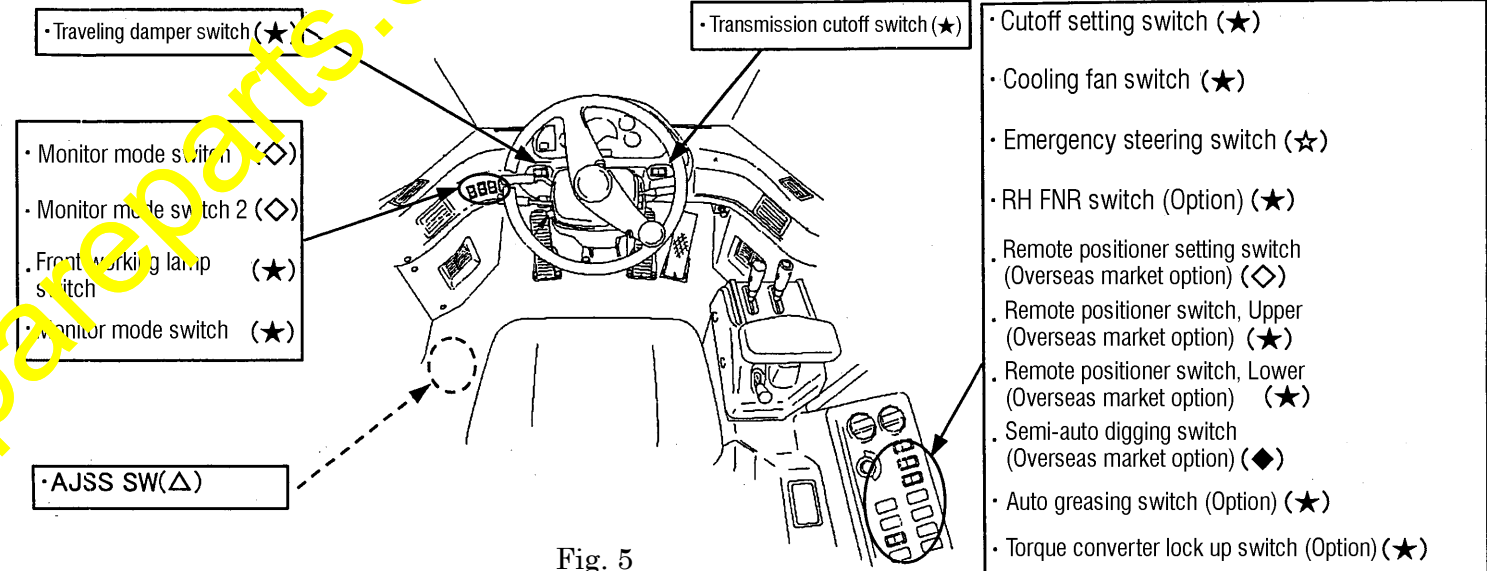


Fig. 5

Part No. of the switch	Quantity of built-in lamps (421-06-36191)	Index marks in the above illustration	Corresponding decal
421-06-36142 ↑ 421-06-36141	1	★	421-93-31215 ↑ 421-93-31214 (Centralized decal)
421-06-36152 ↑ 421-06-36151	1	☆	
421-06-36162 ↑ 421-06-36161	2	◆	
421-06-36172 ↑ 421-06-36171	2	◇	421-S33-3971 ↑ (Option decal) 421-S33-3970
421-06-36251 ↑ 421-06-36250	1	△	

Process 2) Check the operations of the replaced switches.