

# PARTS & SERVICE NEWS

REF NO. AA00065

DATE June 6, 2000

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**SUBJECT:** RELEASE INSTRUCTIONS FOR INSTALLATION OF EAGLE CONTROLLER MEMORY CUTOFF SWITCH.

**PURPOSE:** To improve eagle memory when machine is idle for long periods of time.

**APPLICATION:** WA120-3L Wheel Loaders Serial Numbers A30001 thru A30182  
 WA180-3L Wheel Loaders Serial Numbers A80001 thru A80517  
 WA180-3PT Parallel Tool Carriers Serial Numbers A85001 thru A85217  
 WA250-3L Wheel Loaders Serial Numbers A70001 thru A70466  
 WA250-3PT Parallel Tool Carriers Serial Numbers A75001 thru A75278  
 WA320-3L Wheel Loaders Serial Numbers A30001 thru A30493  
 WA380-3L Wheel Loaders Serial Numbers A50001 thru A50493  
 WA420-3L Wheel Loaders Serial Numbers A30001 thru A30175  
 WA450-3L Wheel Loaders Serial Numbers A30001 thru A30361

**FAILURE CODE:** D6005C

**DESCRIPTION:** The Eagle A/C and heater controller memory draws a small current to maintain the settings. Over a period of several weeks this can drain the batteries enough to cause a no-start condition. An additional switch is available to turn off the Eagle memory when the machine is idle for long periods. This Parts and Service News is to advise the field of this improvement and to provide installation instructions for the new parts.

## PARTS REQUIREMENTS:

| Item | Qty. | Description    | Part No.     |
|------|------|----------------|--------------|
| 1    | 1    | SWITCH         | 417-06-A1810 |
| 2    | 1    | DECAL          | 421-06-A1830 |
| 3    | 1    | WIRING HARNESS | 421-06-A1910 |

## MACHINE PREPARATION:

PLEASE OBSERVE ALL SAFETY AND PRECAUTIONARY STANDARDS AS DICTATED BY THE ENVIRONMENT AND WORK CONDITIONS UNDER WHICH THE EQUIPMENT WILL BE INSPECTED, REWORKED AND REPAIRED. CONSULT THE APPROPRIATE WHEEL LOADER "SHOP MANUAL" AND "OPERATOR'S AND MAINTENANCE MANUAL" AND YOUR "KOMATSU DISTRICT SERVICE MANAGER" WITH ANY/ALL QUESTIONS REGARDING SAFETY.

### **NOTE:**

These instructions are intended to supplement the service data contained in the appropriate "Shop Manual". Always refer to that manual for Removal, Installation, Disassembly and Reassembly instructions when not included in this "Installation Manual".

1. Park the wheel loader on a flat level surface. Lower the boom and bucket to the ground, shut off the engine and remove the key. Exercise the equipment controls to eliminate pressure locked in the system.
2. Attach a tag to the controls stating, **"THIS MACHINE IS BEING SERVICED, DO NOT ATTEMPT TO START THIS MACHINE UNTIL THIS TAG IS REMOVED BY THE PERSON PERFORMING THE SERVICE"**.

## INSTALLATION PROCEDURAL INSTRUCTIONS:

1. Disconnect battery ground cable from the negative ( - ) terminal of the battery.
2. Push the seat forward.
3. Remove rear console lower panel behind the seat (see Figure 1).
4. Note location of the terminal block behind the seat. In later steps, two wires from the switch will be connected here.

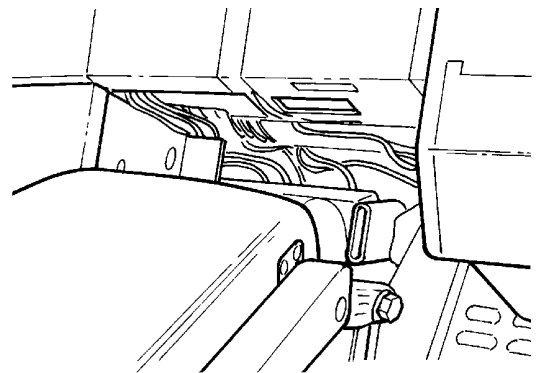
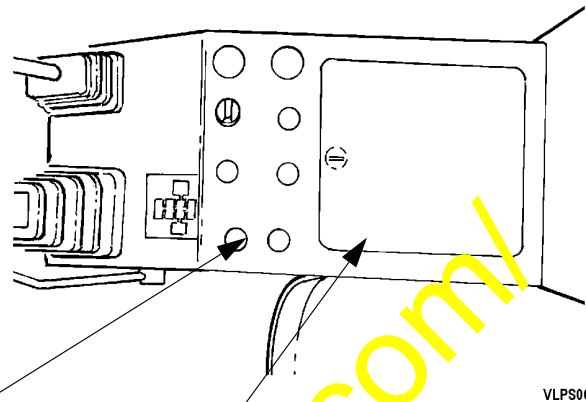


Figure 1

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5. Locate the position and drill the holes for the switch on the right hand console box, based on the groups of the following models:

**Note:** Ensure that the rear of the switch will not be obstructed.



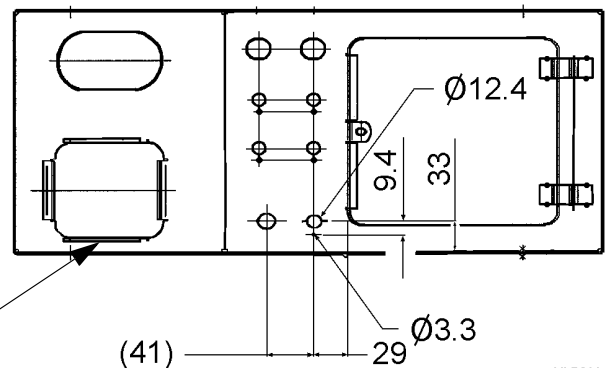
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The drilling area

Figure 2a

Cover, Right Hand Console

- a. Models: WA120-3L  
WA180-3L/3PT (See fig. 2a and 2b)

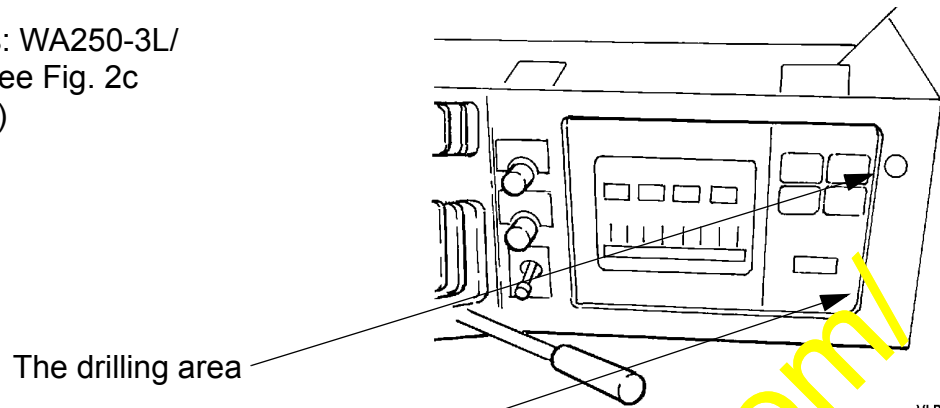


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Cover, Right Hand Console

Figure 2b

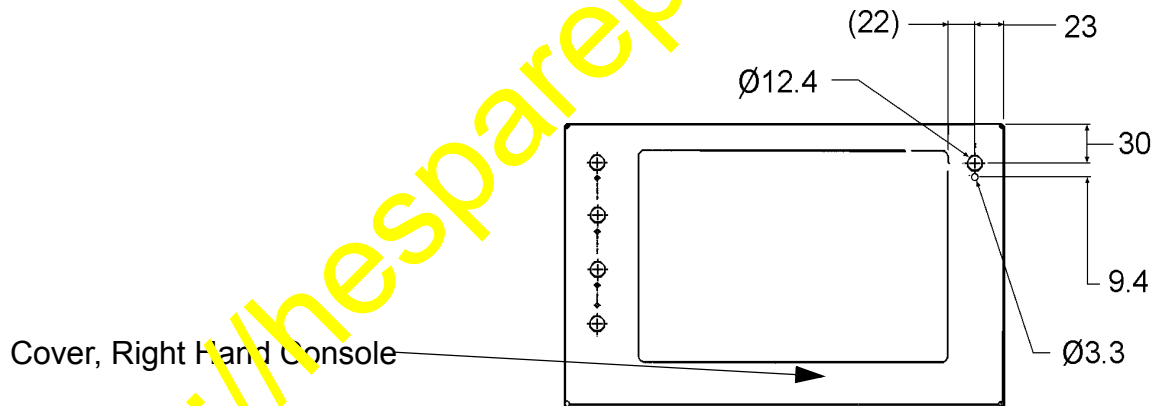
b. Models: WA250-3L/  
3PT (See Fig. 2c  
and 2d)



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Cover, Right Hand Console

Figure 2c



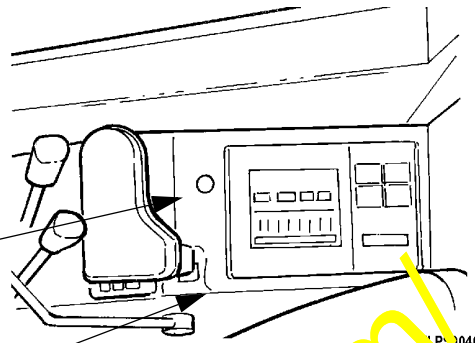
Cover, Right Hand Console

VLPS0045

Figure 2d

- c. WA320/380/420/450-3L (See Fig. 2e and 2f)

The drilling area



Cover, Right Hand Console

Figure 2e

- 6. Remove any panels necessary to feed wires to switch.

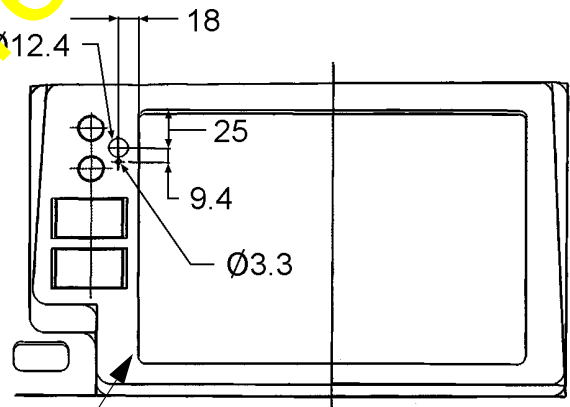
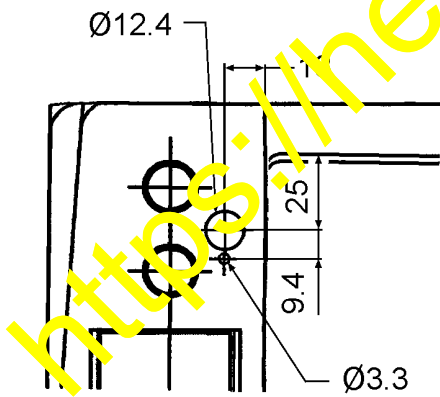


Figure 2f

Cover, Right Hand Console

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7. Locate the terminal block and relocate the component leads to the positions shown. (see Figure 3a and 3b). Typically, the diode lead in position 3 will need to be moved to position 2.

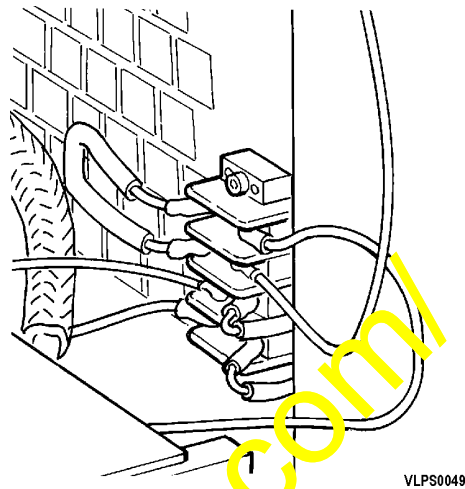


Figure 3a

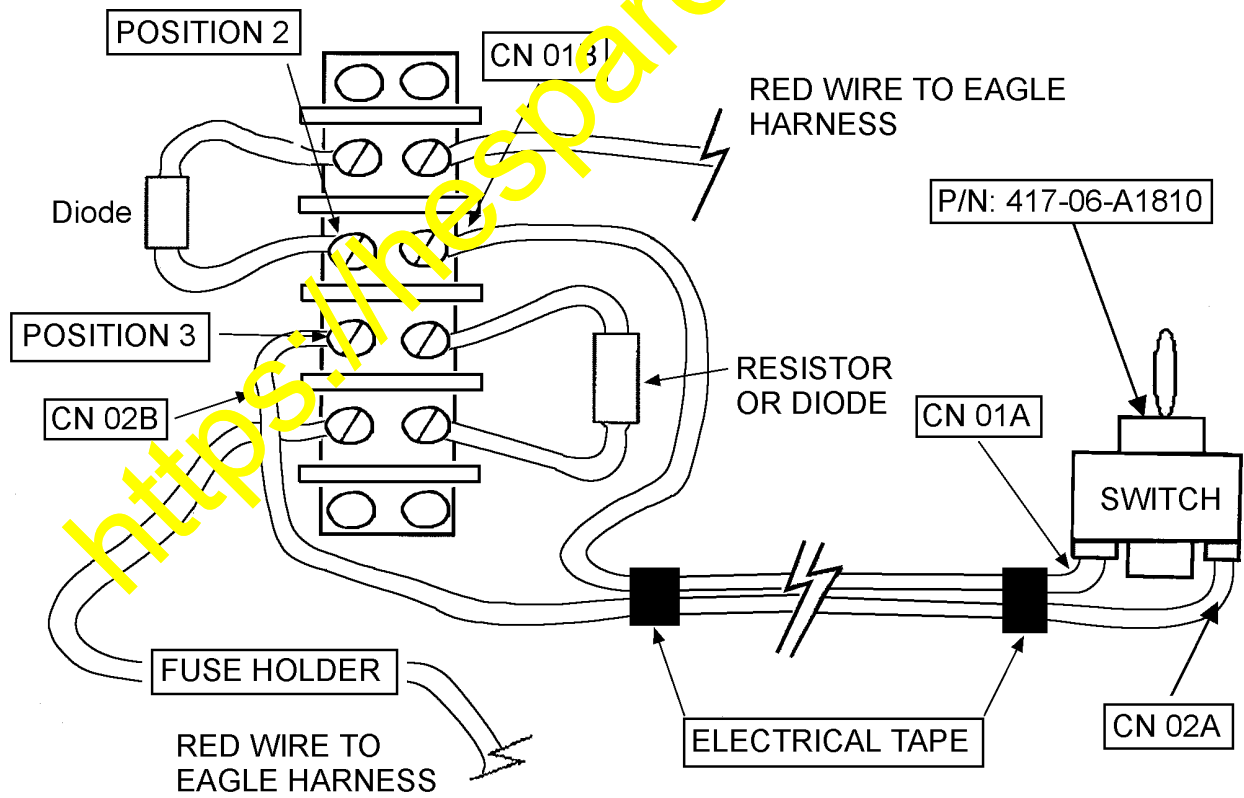


Figure 3b

8. Fasten terminals to terminal block and switch. (See figure 3a and 3b) with wiring harness P/N 421-06-A1910

New switch  
P/N: 417-06-A1810

New wire assembly  
P/N: 421-06-A1910

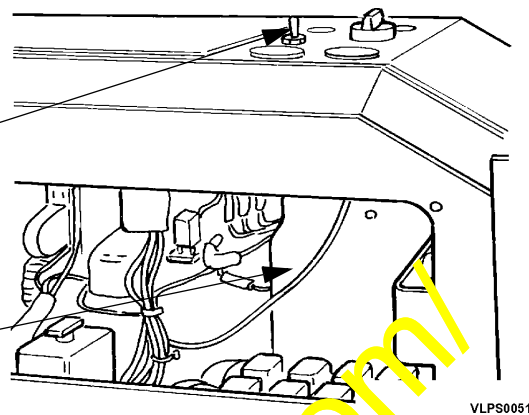


Figure 4

9. Clean area around switch. Install Memory on/off decal (figure 5).

10. To test memory switch, turn ignition key on. Turn AC/heat on. Set temperature to 80 degrees. Turn memory cutoff switch to "on". Turn ignition key off for a moment. Turn ignition key back to run. The set temperature should return. Turn memory switch to "off" position. Turn ignition key off for several seconds. Turn ignition key back on. The AC/heat should remain off.

11. Reinstall plates and covers.

Decal  
P/N: 421-06-A1830

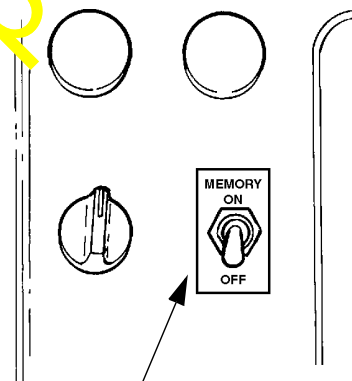


Figure 5

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