

SERVICE BULLETIN SB99.9B

Machines/Models: LX31,41,50 European with Outriggers
Serial Numbers: 1000-2746

THIS BULLETIN IS A SERVICE ADVISORY TO BE CARRIED OUT AT THE NEXT MONTHLY SERVICE INTERVAL.

DATE: September 15, 1999

PURPOSE: To enhance operation of limit switch during outrigger operation.

OPERATION REQUIRED: Replace existing white proximity switches with roller type.

PARTS REQUIRED: Down Switch Kit #030937-001 includes the following parts:

1. 1 ea. #067473-000 LX Platform Down Bracket
2. 2 ea. #011248-003 Hex Nut 10-24 UNC
3. 1 ea. #066490-001 Roller Switch Dual
4. 2 ea. #011709-008 Screw Mach 10-24 UNC X 1
5. 4 ea. #011240-003 #10 Flat Washer STD STL 3/16
6. 6 ea. #029610-006 Fork Connector
7. 2 ft. #029477-099 Orange/Black Wire 16 AWG
8. 6 in. #029451-099 White Wire 16 AWG
9. 5 ea. #029620-002 Butt Connector
10. 1 ea. #029825-002 Diode 5 AMP

Items 6 through 10 are not used on machine Serial Numbers 2747 through 2965.

REIMBURSEMENT: UpRight will reimburse the owner of record for 1 hour of labor at \$35.00 per hour. Reimbursement will be made upon receipt by UpRight of your completed warranty claim form. Please reference SB99.9B on your warranty claim form.

PROCEDURES for Serial Numbers 1000 through 2746 only: Read all instructions thoroughly and refer to Figures 1 - 5 before starting.

1. Remove battery negative cable from battery.
2. Locate the platform down white proximity switches at right front corner of machine under linkage.
3. Remove the existing white proximity switches, rivets and shim plates. See Figure 2.
4. Cut off 3 Conductor Cable from switches. Tie back black wire. It will no longer be used. See Figure 3.
5. Attach Roller Switch Dual (#066490-001) and Platform Down Bracket (#067473-000) as shown in Figure 2.
6. The new switch has four black wires coming off the back. Connect the two middle wires together. Butt connect red wire, from the 3 Conductor cable, to one of the black wires. Connect the white wire, from the 3 Conductor cable, to the remaining black wire of switch. See Figure 3.
7. Locate R15 (Lower Control Box Assembly) and disconnect black wire from Terminal #14. Leave white wire connected. Insulate black wire and tie it back out of the way. See Figure 5.

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8. Assemble the Diode Assembly shown in Figure 4 using supplied parts. Insulate Diode leads with sleaving. The total length of Diode Assembly should be 7 inches.
9. Locate R28 (Lower Control Box Assembly) and connect orange/black end of Diode to Terminal #9. Leave all existing wires on R28. See Figure 5.
10. Connect white end of Diode Assembly to Terminal #14 of R15. See Figure 5.
11. Secure all modifications with supplied cable ties.

Locate model type below for following procedures:

2 Wheel Drive Machines (Serial Numbers 1000 through 2746) follow steps 1 through 11 then steps A, B and C below.

- A. In the Lower Control Box Assembly, move the orange/black wire from R16 Terminal #14 to R16 Terminal #9. Leave the red/black wires on Terminal #14.
- B. Add an orange/black jumper from R1 Terminal #9 to R16 Terminal #5. Leave the red wire on Terminal #9 of R1.
- C. Adjust Roller Switch Dual (066490-001) so machine goes into "creep speed" before platform height reaches 9 ft. Tested "creep speed" should be 18-22 sec. for machine to travel 20 ft.

4 Wheel Drive Machines with floating axle (Serial Numbers 1000 - 2746) follow steps 1 through 11 then steps D, E, F, G and H below.

- D. Move the blue/black wire from Terminal Strip #23 to Terminal #9 of R16. See Figure 1.
- E. Disconnect the white wire from R16 Terminal #5. Cut to fit and connect to Terminal #14 of R16.
- F. Move the orange/black wire from R16 Terminal #14 to R16 Terminal #9. Leave the red/black wires on Terminal #14.
- G. Add an orange/black jumper from R1 Terminal #9 to R16 Terminal #5. Leave the red wire on Terminal #9 of R1.
- H. Adjust Roller Switch Dual (066490-001) so machine goes into "creep speed" before platform height reaches 9 ft. Tested "creep speed" should be 18-22 sec. for machine to travel 20 ft.

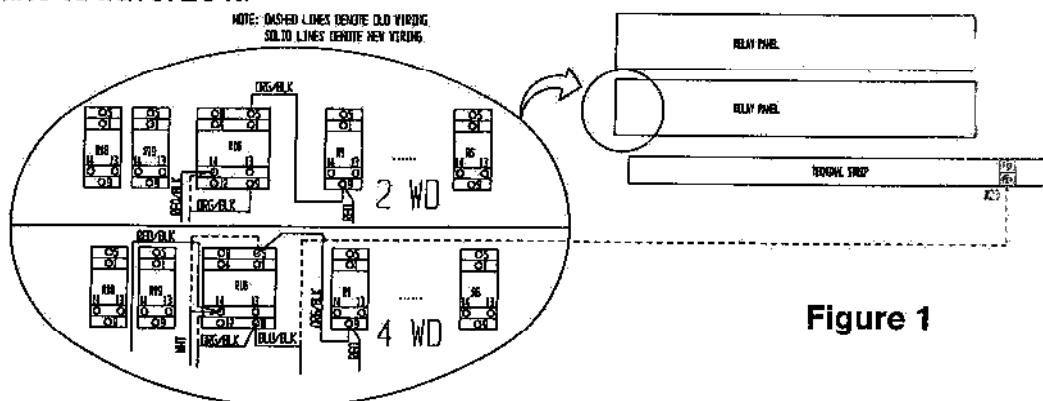


Figure 1

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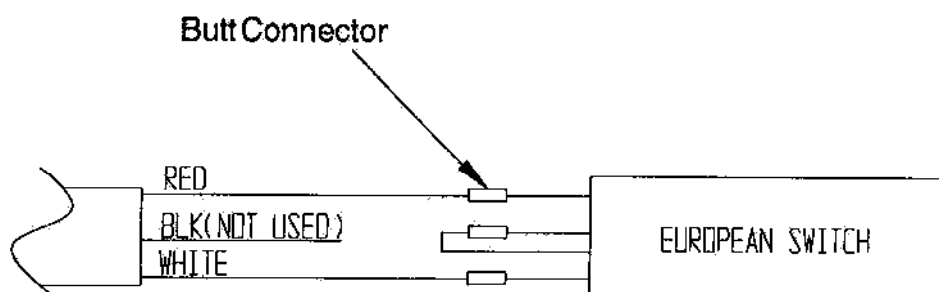


Figure 3

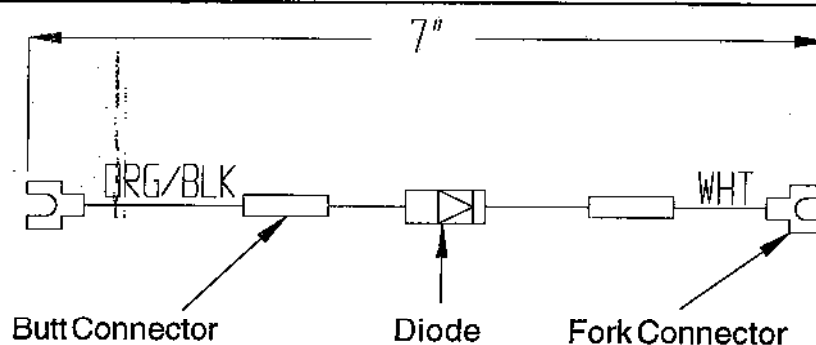


Figure 4

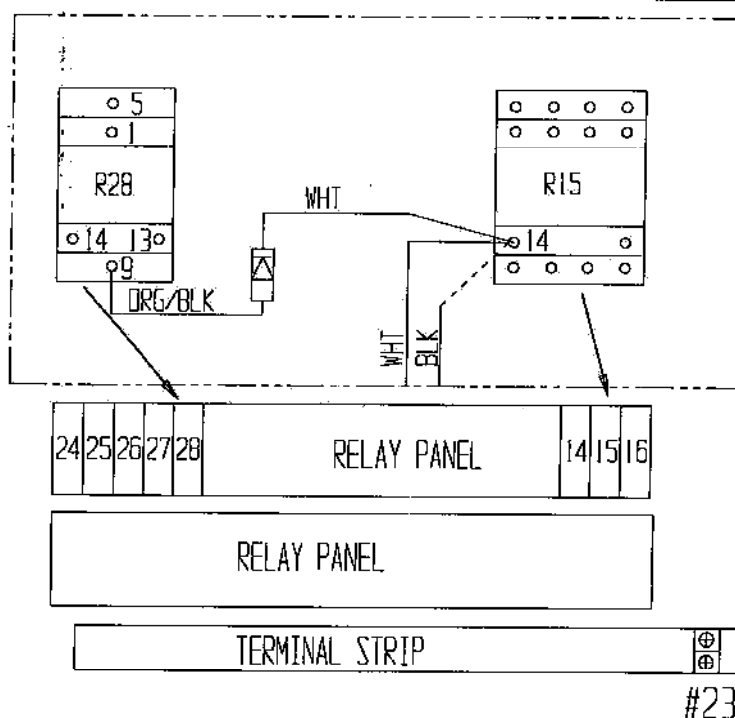


Figure 5

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