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Retrofit Kit KYSSLDPROX and KYSSLDPRX1: Single stage press small load proximity switch

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This kit replaces the present 30mm PXSB (ram full down) proximity switch at the bottom of the proximity switch mounting post, with a pair of 18mm proximity switches labeled as PXSB (ram full down) and PXSL (small load) and updates the machine software with new configure decisions.



WARNING 1: Electrocutation and Electrical Burn Hazards—Contact with high voltage will electrocute or burn you. Power switches on the machine and the control box do not eliminate these hazards. High voltage is present at the machine unless the main machine power disconnect is off.

- Lock out and tag out power at the main machine disconnect before servicing, or in accordance with factory service procedures.
- Do not service machine unless qualified and authorized.



Notice 2: Data Loss—This procedure requires an EPROM change and can result in data loss.

- Record the configure decisions and formulas in case the data memory is lost.
1. Lock out and tag out machine at the wall disconnect.
 2. Measure and record the distance from the underside of the lowest proximity switch (PXSB) to the top plate (Figure 1).
 3. Remove the proximity switch bolts. Remove cable from the proximity switch and discard switch. Note position of the two captive nut and bracket assemblies within the mounting post. These assemblies are reused for the two new switch plates.
 4. Mount a new 18 mm proximity switch in place of the existing 30mm PXSB switch.
 5. Adjust the switch position to the measurement taken in step 2.
 6. Reconnect the existing PXSB cable.
 7. Mount the new small load proximity switch (PXSL), 1" (25.4 mm) above the new PXSB switch (Figure 1).
 8. Connect the new PXSL cable in the control box as follows (Figure 2):
 - Connect the brown wire to terminal 101.
 - Connect the blue wire to terminal 7
 - Connect black wire to a supplied wire from 2MTA4-14 (Figure 3).
 9. Replace the program EPROM as described in document BICMUM01. Version WUMILSSPA/20006 is for the 186 processor board, WUMILSSP/97038F is for the 8088 processor board.
 10. Restore power.
 11. The WUMILSSPA software update adds the following two new configuration decisions.
 - The first new decision is called “CHECK FOR RAM AT LOW POSITION?” Entering a “1” enables proximity switch PXSL.
 - The second new configuration decision is “MAX BAR AT RAM LOW POSITION (00-30)”. Enter 20. The maximum pressure is limited to this value, if proximity switch PXSL is enabled by decision one, and the descending diaphragm rod passes PXSL.
 12. The WUMILSSP software update adds the following two new configuration decisions.

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- The first new decision is called “CHECK FOR RAM AT LOW POSITION?” Entering a “1” enables proximity switch PXSL.
- The second new configuration decision is “MAX PSI AT RAM LOW POSITION (0000-2610)” or “MAX BAR AT RAM LOW (000-180)”. depending on the configuration. Enter 180. The maximum pressure is limited to this value.

Figure 1: Proximity switches

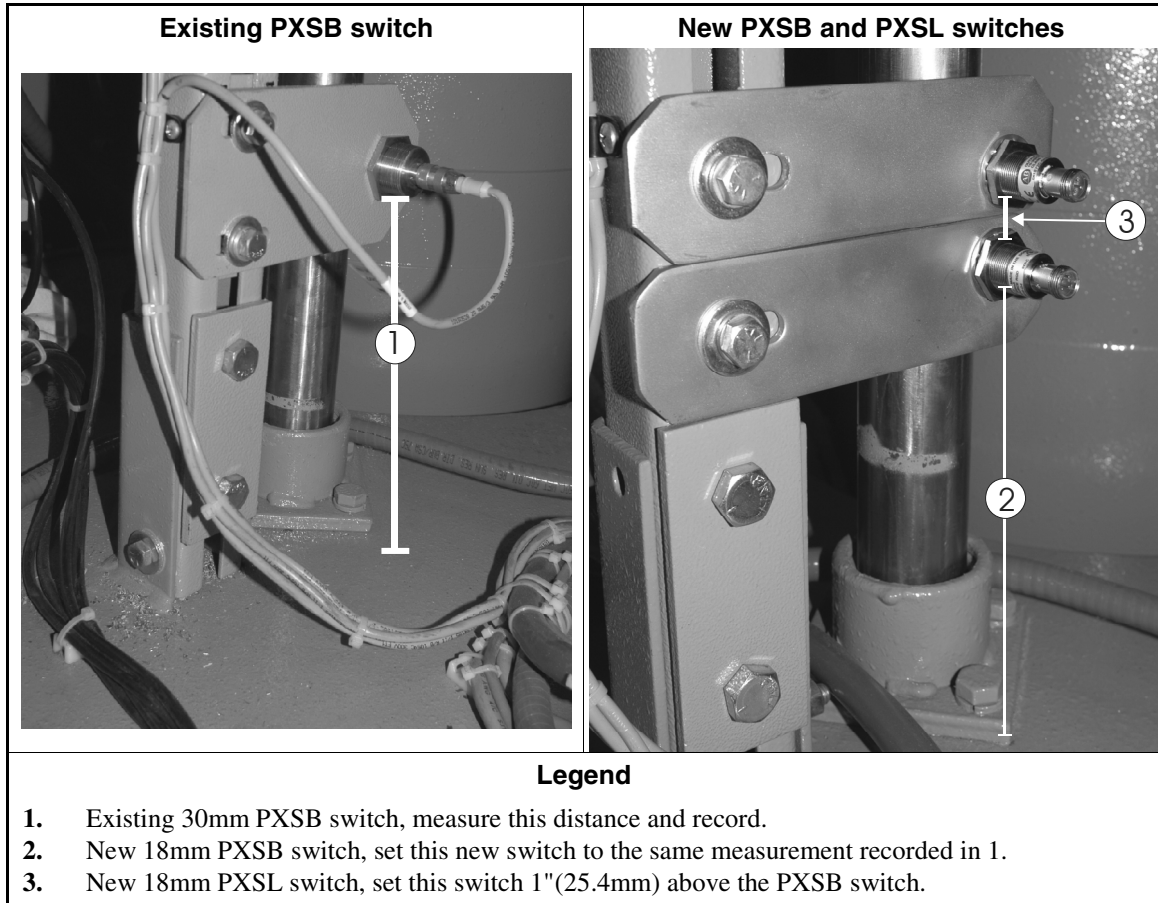


Figure 2: Terminal board Connections

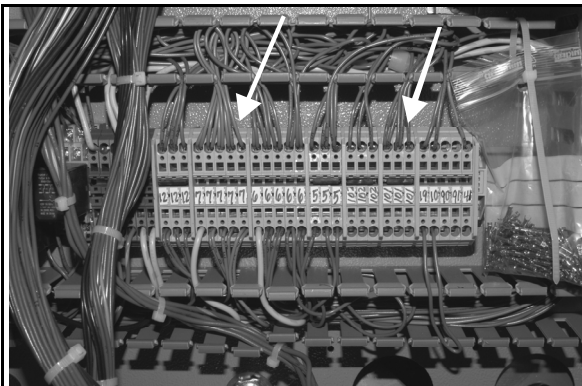
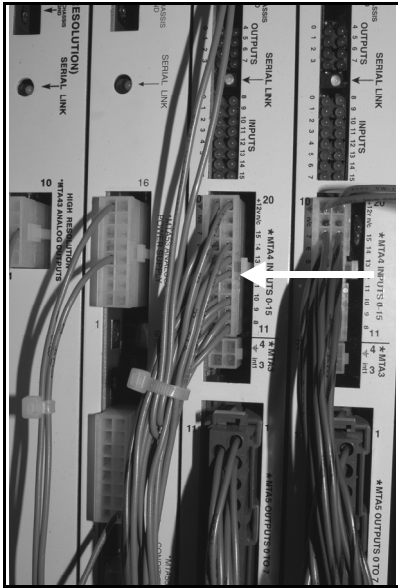


Figure 3: 2 MTA4-14



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