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Instructions for Retrofit Kits KBKTMDDR01 and KBKTMDDR02, 36 & 42Vxx Drain Valve Relocation

Instructions for Retrofit Kits KBKTMDDR01 and KBKTMDDR02, 36 & 42Vxx Drain Valve Relocation



WARNING 1: Strike and Crush Hazards—Guards, covers, and panels—Operating the machine with any guard, cover, or panel removed exposes moving components.

- Lock out and tag out power at the main machine disconnect before servicing, or in accordance with factory service procedures.

Milnor offers two retrofit kits which greatly extend drain valve life when processing goods containing heavy sand or pumice grit. Retrofit kit KBKTMDDR01 replaces the existing sump mounted electric drain valve, relocating the new valve to the rear of the machine. Retrofit kit KBKTMDDR02 replaces the existing drain-to-rear valve and hose with a new drain-to-bottom drain valve. Each retrofit kit contains a replacement drain valve and all the hardware (brackets, clamps, bolts and hose) needed to convert the existing drain over to the desired type.

1. Removing Old Components

1. Lock out and tag out power to the machine at the wall disconnect.
2. Remove the front and side cosmetic panels.
3. Locate the old drain valve (Figure 1).
4. Remove drain valve cover and unplug drain valve wires.
5. Loosen inlet and outlet drain valve clamps and remove old drain valve.
6. Unfasten and separate the drain valve mounting flange from the old drain valve if installing a drain-to-bottom retrofit kit (KBKTMDDR02).
7. Remove old drain valve hose to rear of machine (Figure 2).
8. **Do not remove the existing sump-to-drain valve hose as it is used by both kits.**
9. Remove rear bracket and hose connection (Figure 2).
10. See applicable installation instructions.

Figure 1: Remove old drain valve

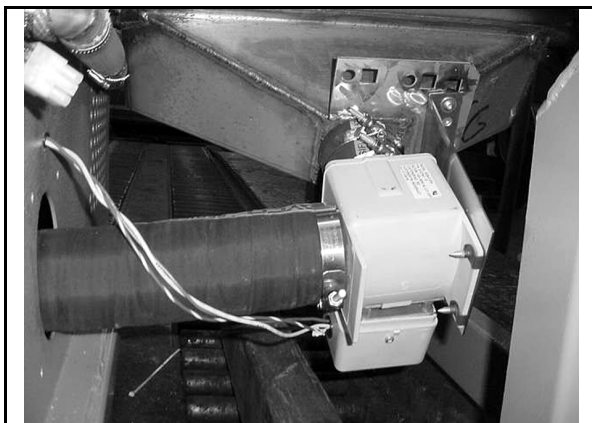
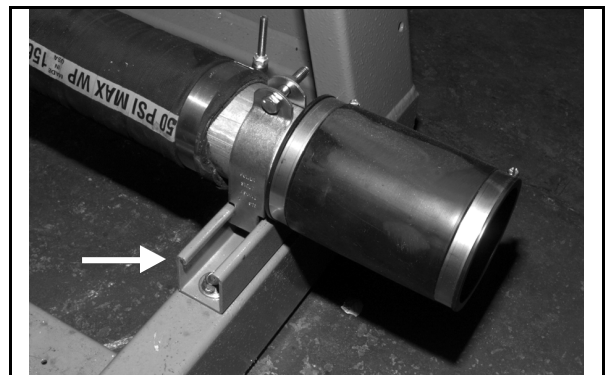


Figure 2: Remove old rear bracket and drain hose



2. Installing Retrofit Kit KBKTMDDR01 (Drain to rear kit)

1. Push/pull the plastic grommet holding the drain valves wires back through the machine frame.

2. Insert one end of pipe elbow in the sump-to-drain valve hose (Figure 3).
3. Temporarily position the new drain valve bracket on rear of machine frame in place of previously removed rear bracket as shown in Figure 2 and Figure 4.
4. Using this new bracket as a template, mark the four areas where mounting bolts pass through the bracket base.
5. Use a 11/32" drill bit to drill mounting holes at all four marked locations.
6. Install bracket using 3/8" self-tapping screws.
7. Install new drain valve on bracket.
8. Measure the distance from the elbow to the drain valve inlet. Add 2" inches to measurement to ensure one inch of overlap on each side.
9. Cut hose to this dimension.
10. Install hose and tighten clamps.
11. Replace existing wire harness with new kit-supplied cable.

Figure 3: Elbow from kit KBKTMDDR01 replaces the drain valve

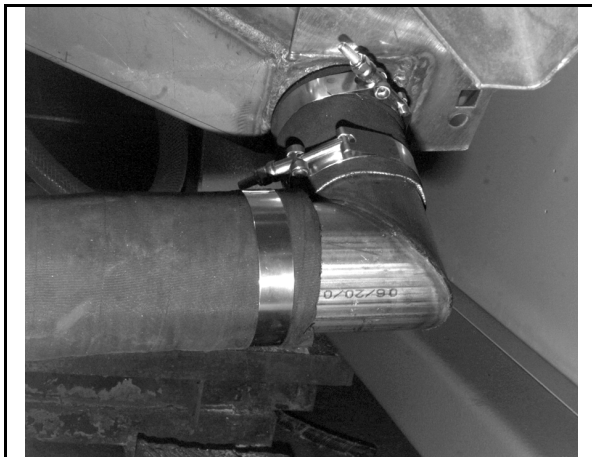


Figure 4: New drain valve and bracket from kit KBKTMDDR01

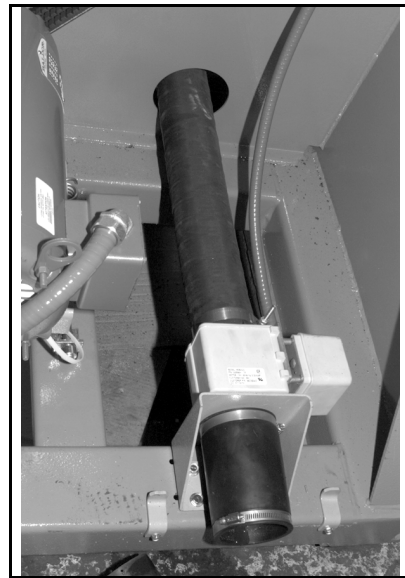
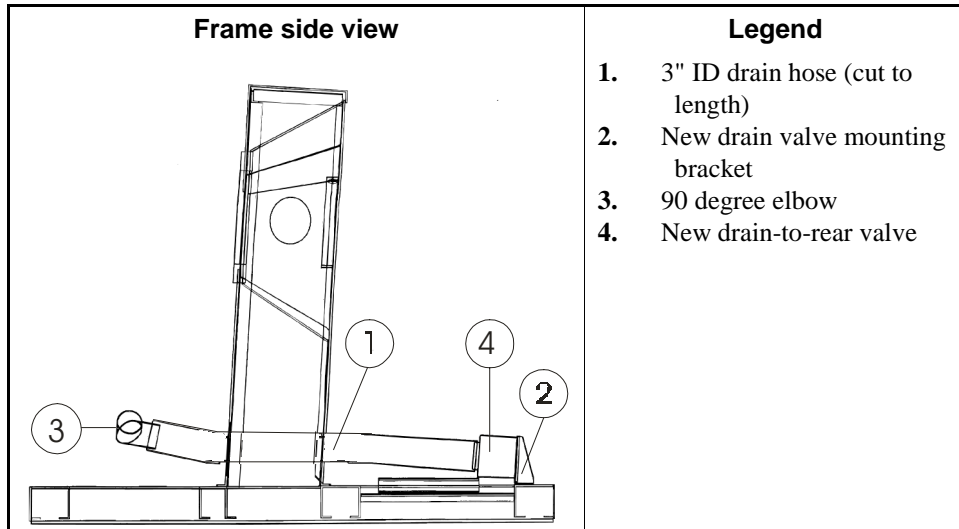


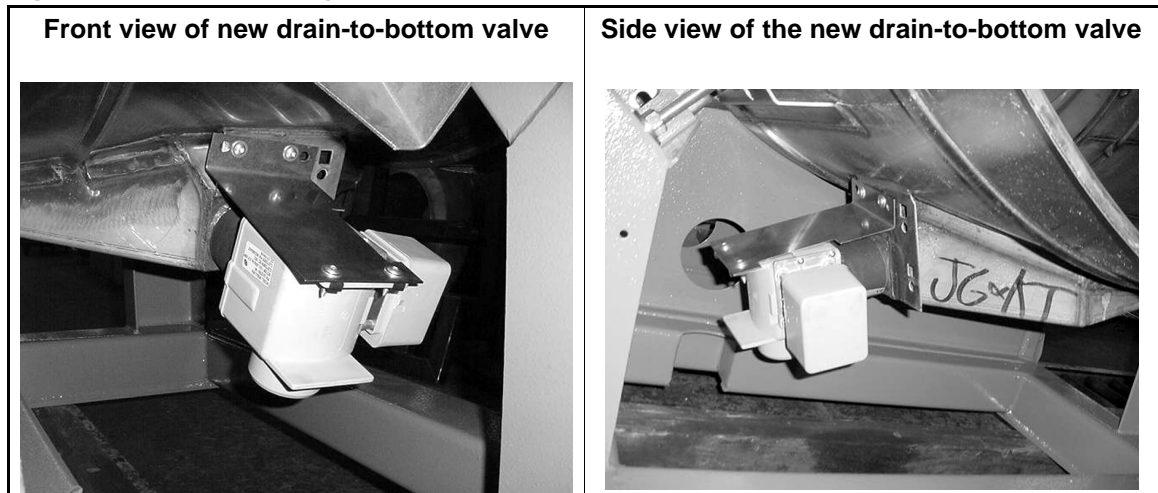
Figure 5: Side view showing KBKTMDDR01 components in place



3. Installing Retrofit Kit KBKTMDDR02 (Drain to bottom kit)

1. Install the new drain-to-bottom valve on the drain valve mounting flange (removed from old valve in step 6 of “Removing Old Components” above).
2. Insert drain-to-bottom drain valve in place of the old drain valve (Figure 6).
3. Install hose and tighten clamps.
4. Reconnect drain valve wires from existing harness.

Figure 6: Side View Showing installed KBKTMDDR02 (drain to bottom) components



— End of BIRQVR01 —