



B150 Series Commercial Brewer

Direct Plumb Kit

Welcome Keurig Authorized Dealer!



This manual provides:

- Installation of the Direct Plumb Kit (DPK) that allows you to connect your customer's B150 brewer to municipal or independently pumped water supply.
- Maintenance Mode diagnostics that will provide you with system information and tools so that you can fully diagnose any problems at the customer's site.
- Instructions on how to descale the brewer in the event of problems associated with hard water.

B150 Direct Plumb Unit Installation Instructions

The B150 brewer is designed to be easily transformed from the as-purchased, Pour Over configuration to a plumbed unit. Reconfiguration is designed to be easily and quickly accomplished by a technician using only a #2 Phillips screw driver.

It is advised that prior to beginning installation that all water be drained from the system using the drain tubes located at rear of brewer (see Page 8 for Draining Instructions). The brewer **MUST** also be disconnected from AC power supply during DPK installation.

1. Disconnect the brewer from AC power and drain the brewer's Hot Water Tank as detailed in instructions shown on Page 8.
2. Remove the Cold Water Tank (CWT) that came with brewer. **FIGURE 1**
3. You will now need to remove two covers to properly connect the DPK to the B150 Brewer. Turning the drained brewer on its left side, locate and remove the 2 screws located below that Cold Water Tank. For easy identification, the screws are located within indented surfaces on the Base Plate. **FIGURE 2**



FIGURE 1



FIGURE 2

4. Remove and reserve the screws. The Connection Access Plate can now be removed. **FIGURES 3 & 4**



FIGURE 3



FIGURE 4

5. On the side of the brewer locate the Connector Cover. Remove and reserve the screw. Remove the Connector Cover and expose DPK Interface Connector.

FIGURES 5 & 6



FIGURE 5



FIGURE 6

6. Make the electrical connection between the DPK CWT and the brewer body. The Connector Cover has an alternate position that allows for cable exit and reattachment to the Brewer Body. **FIGURES 7 & 8**



FIGURE 7



FIGURE 8

7. Install DPK and secure to Brewer Base using the 2 screws that were previously used for the Connection Access Plate. **FIGURE 9**



FIGURE 9

8. The B150 Direct Plumbed Unit is now ready to be connected to AC Power and filtered water supply in accordance with local Building Code rules and regulations.

Filter Requirements

The Keurig B150 brewer system, when used with Direct Plumb accessory, requires the use of a water filtration system to optimize the coffee flavor and brewer reliability. Two mounting holes with screws have been provided on the back of the brewer for this purpose.

Keurig requires the use of an external water filter such as the Omnipure KQ8A to maintain warranty.

A filter kit (part number 5025) is available from Keurig. This kit contains a Omnipure KQ8A filter, filter head, and mounting bracket.

NOTE: The KQ8A Filter assembly comes with 1/4 FPT ports for both inlet and outlet and the plumbed water inlet to the brewer is 3/4 Male Garden Hose Thread 1/4 OD LLDPE (Linear Low Density Polyethylene) tubing is recommended (NSF compliant) between the filter assembly and the brewer. NSF compliant fittings are recommended such as High Density Polypropylene Type.

NOTE: NO PLUMBING CONNECTORS ARE PROVIDED WITH THIS KIT.

All KQ8A filter cartridges must have a minimum of four gallons of water run through it after mounting to the brewer and before they are connected to the brewer's Inlet Valve at the install location. This procedure will prevent fine particles of carbon from entering and clogging the water inlet valve.

Filter Installation

1. Attach a 3/4" female garden hose connection to 1/4" FPT fitting to the Inlet Valve
2. Mount the filter assembly to the brewer using the screws provided on the back of the brewer and connect the filter's Inlet Port to the water supply.
3. Flush the filter **BEFORE** connecting to the Inlet Valve.
4. Plug brewer into a dedicated GFCI outlet. If the electric circuit is overloaded with other appliances, the circuit breaker may trip. If possible, the brewer should be operating on its own circuit, separate from other appliances. Never use an extension cord.

CAUTION: This brewer is designed to handle local water pressures from 40 psig up to 125 psig. Consult a licensed plumber for water pressures in your area. Use plumbing fittings and tubing specified to withstand 125 psig.

IMPORTANT NOTICE

NOTE: FAILURE TO USE A WATER FILTER OR FAILURE TO USE A WATER FILTER IN THE PRESCRIBED MANNER WILL INVALIDATE THE BREWER WARRANTY.

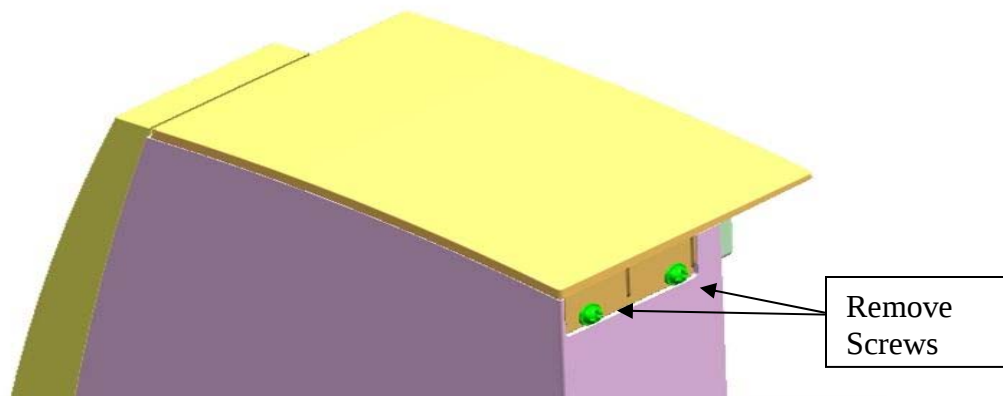
Descaling Instructions for B150 Brewer with DPK

Minerals in drinking water build up on hot surfaces and can build to a point where fluid flow is reduced and other normal brewer functions are hindered. When this occurs, the brewer must be cleared of these deposits to allow normal brewer function.

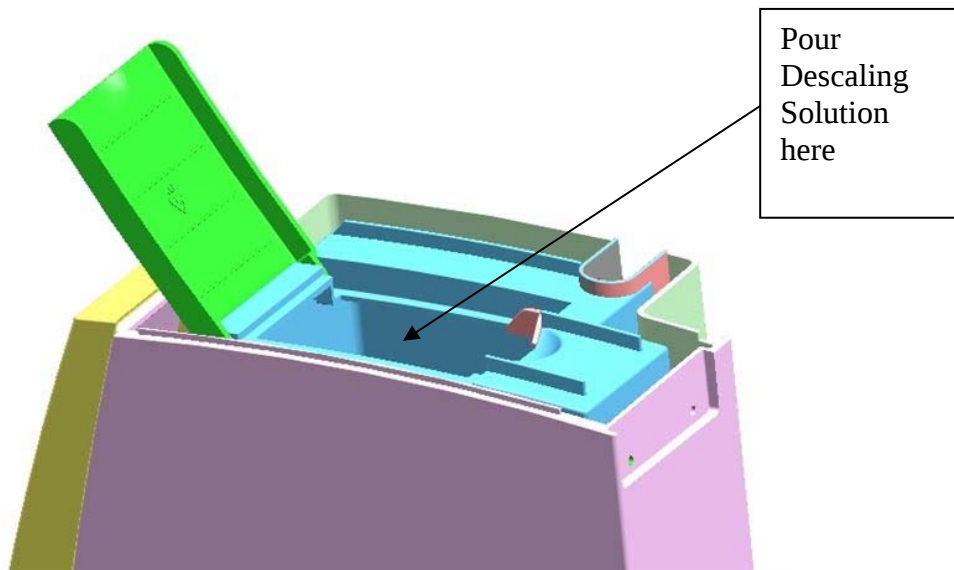
Keurig recommends that the brewer be descaled every 6 months or as needed depending on use and/or local water supply mineral content. Symptoms of scale build up are slow brewing and/or short cups.

The following procedure outlines the steps required to prepare the brewer for the addition of the descaling solution.

1. Unplug the brewer from AC Power Supply.
2. Disconnect or interrupt external water supply feeding the brewer.
3. Drain the Hot Water and Cold Water Tanks using the drain tubes, marked H and C, located at rear of brewer per the draining procedure as shown below.
4. At the rear, left, top of the brewer locate and remove two screws which will allow removal of the Top Cover and gain access to the internal Water Reservoir.



5. After removal of Top Plate, the Descaling Solution Access Port in the Water Reservoir will be clearly evident as shown below.



6. Reconnect the brewer to AC Power Supply.
7. Proceed with descaling procedure as defined below:

De-Scaling Procedure

Preparation:

Prepare at least 40 ounces of a commercial citric acid descale solution. You will also need a large ceramic mug (a paper cup is not suitable for this procedure) and access to a sink for discarding hot liquid.

FILL AND CLEAN

1. Pour 40 ounces of descale solution into the Cold Water Tank through the Access Port shown above and turn on the brewer – the brewer will automatically fill and begin heating.
2. When the brewer display shows “Ready To Brew” place the ceramic mug on the drip tray, select the largest brew volume, and press the Brew button

NOTE: Do not use a K-Cup portion pack

3. Once the solution begins to exit the brewer, lift the Brew Head Handle just enough to halt the brew process and let the brewer sit for 40 minutes in this state.

4. At the end of the 40 minutes, lower the handle and the brewer should complete the brew (do not be concerned if the brewer does not complete the brew). Pour the dispensed liquid into the sink.
5. Shut down the brewer, disconnect it from AC power, and drain both (Hot and Cold) water tanks using the drain tubes located in the back panel of the brewer.
CAUTION: Hot water will be exiting from the Hot Water Tank
6. Manually fill the Cold Water and allow to drain tank three times, using 40 ounces fresh water per fill. Replace Drain Tube Plugs and Access panel.
7. Reconnect or resume city water supply and power up the brewer.
8. Once the brewer is filled and hot, conduct large volume "Water Only" brews, with no K-cup portion pack in place, until all remnants of the descale solution are not longer evident discarding all liquids into the sink. We suggest using the largest brew size to speed the process. Remember to open and close the brew handle between each cycle so the blue Brew lights will flash.
9. Place the brewer back into service.

You may need to perform additional rinse cycles if you notice any residual taste.

Draining Procedure for Hot Water Tank and DPK CWT

This procedure is to be performed prior to transportation of unit and when converting brewer between Pour Over usage and Direct Plumb usage.

NOTICE

THIS PROCEDURE MAY RESULT IN THE RELEASE OF WATER AT TEMPERATURES HOT ENOUGH TO RESULT IN BURNS. DRAINING PROCEDURE SHOULD ONLY BE PERFORMED BY TRAINED SERVICE PERSONNEL.

1. Disconnect the brewer from AC power and, if applicable, disconnect the Direct Plumb Unit from water supply.
2. On rear of brewer locate Access Panel and remove securing screw.
3. Lower the appropriate tube, remove Plug and drain into appropriate sized container. NOTE: Hot Water Tank contains ~ 31 oz of water, Cold Water Tank contains ~ 35 oz of water.
4. Replace Plugs and Access Panel.



Drain Tubes with Access Panel removed

Maintenance

Purpose

This section describes the Maintenance Mode and key sequences for entry into this mode for the B150 Brewer.

Maintenance Mode Layout

Entry: From STANDBY, press all 4 corners of the touchscreen (Upper Left/Right and Lower Left/Right in any order) within 3 seconds, – releasing after each touch

- | | | |
|---------------|---|----------------------|
| 1. Screen 1 | – “Software Version” | (e.g. “ v8.25”) |
| 2. Screen 2 | – “Total Brew Count” | (Max = 999,999 [25 x |
| | Life]) | |
| | – “Postfill Timeouts” | (Max = 65535) |
| | – “Add2 Timeouts” | (Max = 65535) |
| 3. Screen 3 | – “Add4 Timeouts” | (Max = 65535) |
| | – “Add6 Timeouts” | (Max = 65535) |
| | – “Add8 Timeouts” | (Max = 65535) |
| 4. Screen 4 | – “Dispense Timeouts” | (Max = 65535) |
| | – “Over-Pressure Events” | (Max = 65535) |
| | – “Top of Tank Events” | (Max = 65535) |
| 5. Screen 5 | – “Run Hours” | (Max = 999,999 [114 |
| | years]) | |
| | – “4 oz Brew Count” | (Max = 65535) |
| | – “6 oz Brew Count” | (Max = 65535) |
| 6. Screen 6 | – “8 oz Brew Count” | (Max = 65535) |
| | – “10 oz Brew Count” | (Max = 65535) |
| | – “12 oz Brew Count” | (Max = 65535) |
| 7. Screen 7 | – (Buttons control Opening/Closing the Valve) | |
| | Brew Button = Cont. | |
| 8. Screen 8 | – (Buttons control Turning Pump On/Off) | |
| | Brew Button = Cont. | |
| 9. Screen 9 | – “Brew Pump” | |
| | “Vent Valves” | |
| | (Buttons control Brew Pump On/Off & Opening/Closing the Valve) | |
| 10. Screen 10 | – Touchscreen Calibration | |
| | – Press Brew button to exit OR touch display to start calibration. | |
| | – IF Cal Passes, exit. If it fails, give another opportunity to try | |
| 11. | – Exit back to the Standby State | |

NOTE:

- Progress from screen to screen using the flashing Brew Button