IMI Cornelius Automated Beverage System Model ABS

IMI Cornelius Automated Beverage System (ABS)

Model ABS

Daily maintenance task

BE 31 D1 Clean ABS

Monthly maintenance task

BE 31 M1 Clean and sanitize

ice hopper and ice

chute

Quarterly maintenance task

BE 31 Q1 Clean pre-cool

condenser filter

Model ABS



A. Call out text, B. Call out text, C. Call out text, D. Call out text, E. Call out text, F. Call out text

These icons alert you to a possible risk of personal injury.

Equipment alerts

Look for this icon to find information about how to avoid damaging the equipment while doing a procedure.

C Tips

Look for this icon to find helpful tips about how to do a procedure.

Why To ensure cleanliness and prolong the life of the ABS

Time required 5 minutes to prepare 15 minutes to complete

Time of day At close or non-peak periods For 24-hour restaurants: during low-volume periods

Hazard icons



Tools and supplies













Brush, nylon-bristled

Bucket, clean and sanitized towels

Bucket, soiled towels

McD All Purpose Super Cleaner (APSC) solution

Non-scratch pad

Paper towels

Procedure

1 Set ABS to manual mode.

Press the 'Manual Auto' button in the lower left hand corner of the touchpad to place unit in Manual mode.



3 Remove drip tray grille.

Remove the grille from the drip tray and set it aside. Remove any foreign objects from the drip tray and throw them away.



2 Remove cup conveyor cover and conveyor assembly.

1. Loosen the 3 thumbscrews by hand that hold the cup conveyor cover in place by turning them counter-clock wise. 2. Remove the cup conveyor cover by lifting up. 3. Remove conveyor assembly by lifting up.



4 Clean drip tray.

Use a clean, sanitized towel and McD APSC solution to clean the drip tray.





5 Check drainage tray.

Pour carbonated water from dispenser into the drip tray. Check that the drip tray drains properly. If drain pan is slow draining service may be required.



Clean and sanitize Conveyor, Grille & Cover.

Clean and sanitize the conveyor, grille and cover at the three-compartment-sink. Allow them to air dry. Note: Conveyer is not dishwasher safe.



Check conveyor drive seal.

Make sure the conveyor drive seal or water deflector is in place. If it is missing, it needs to be ordered and replaced immediately. Failure to replace in a timely manner will result in degradation of the drip tray insulation.



Clean diffuser area.

pulling down.

Wipe down the diffuser area with a clean, sanitized towel. Brush the diffuser area thorough with a nylon-bristled brush.

Remove and clean nozzle and

sanitizing steps 12 & 13).

the dispenser by turning

1. Remove the nozzle from

clockwise and pulling down.

and diffuser ring (white) by

2. Remove the diffuser (clear)

diffuser from dispenser (before



Clean conveyor thru beam sensors.

Roll the end of a paper towel to a point and dip it in carbonated water. Wipe both sensors which are located on the left side of drain pan near position A.



13 Clean and sanitize the nozzle and diffuser.

1. Clean the diffuser and nozzle thoroughly with the nylonbristled brush and warm water. 2. Prepare a solution of McD sanitizer 3. Soak the nozzle and diffuser in sanitizer solution for 1 minute, shake and allow to air dry.



Equipment Alert

Do not clean the holes in the bottom of the diffuser.

Do not allow the components to soak in sanitizer any longer than one minute. If the noz-

zle and diffuser are left in the

sanitizer for extended periods,

the plastic and o-rings can



conveyor with drive assembly on left. Further instructions can be found on the front upper panel of the ABS.

Reinstall conveyor assembly

Reinstall grille. Reinstall

and grille.



10 Reinstall conveyor cover and tighten three thumbscrews by hand until snug.



Reinstall nozzle and diffuser.

deteriorate.

Push the diffuser back into position. Reinstall the nozzle by pushing the nozzle up and turn counter-clockwise until it is firmly in place. Pull downwards to make sure it is correctly in place.



15 Clean outside of ABS.

Wipe the outside of the ABS with a clean, sanitized towel and McD APSC solution. Use a non-scratch pad to remove heavy soils.



Why To ensure cleanliness and prolong the life of the ABS

Clean and sanitize ice hopper and ice chute

Time required 5 minutes to prepare 40 minutes to complete

Time of day At close or non-peak periods For 24-hour restaurants: during low-volume periods

Chemicals 4 Electricity Manual Handling Moving Parts A Sharp Objects/Surfaces
Slippery Floors

Tools and supplies

Hazard icons











Bucket, clean and sanitized towels

Ice scoop

McD All Purpose Super Cleaner (APSC) solution

Procedure

1 Turn off ABS.

Turn the ABS power switch to the OFF position. The switch is located on the lower left side of the unit's front panel.



2 Remove top cover.

Remove the top cover and set it aside.



3 Remove ice from hopper.

Remove and discard all the ice from the hopper using an ice scoop. If necessary, pour clean water slowly into the hopper to melt the ice.



4 Remove agitator retainer and ice agitator assembly.
1. These items are located inside of the hopper.
2. Unscrew the retainer by

turning it counter-clock wise.
3. Lift off the agitator disc. 4.
Remove the agitator by pulling upwards.



5 Clean inside of hopper.

1. Clean the inside of the hopper and then sanitize using McD APSC solution and a sanitized towel. 2. Clean and sanitize the remaining components including the hopper cover, agitator, agitator disc and agitator retainer at the three compartment sink.



Clean and sanitize ice hopper and ice chute (continued)

Reinstall agitator, agitator disc and agitator retainer.

1. Return the agitator to its original position. 2. Replace the agitator disc. 3. Secure in place with the agitator retainer by turning it clockwise.



Remove ice chute.

Pull and hold the locking pin with one hand while rotating ice chute clockwise one inch, then pull the ice chute down to remove.



Turn on ABS.

Turn the ABS power switch to the ON position.



Clean ice chute.

Using McD APSC solution and a nylon-bristled brush, clean and sanitize the ice chute

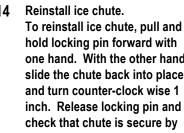


Set ABS to manual mode.

Press the red "AUTO/ MANUAL" button, located in the lower left hand corner of the touchpad, to place the machine in manual mode.



hold locking pin forward with one hand. With the other hand slide the chute back into place and turn counter-clock wise 1 inch. Release locking pin and check that chute is secure by pulling downwards.





Remove front panel.

Remove front panel/lid holder, and set it aside. No tools are needed. Simply push up to unhook the panel and slide it forward.



10 Turn off ice gate.

Ice gate disable switch is located to the left of the ice chute. Turn the ice gate switch to the OFF position.



Turn on ice gate.

Turn the ice gate switch to the ON position.





11 Open ice gate.

Push the ice gate to the left to allow for chute removal. Do not remove the ice gate, simply open it.

Clean and sanitize ice hopper and ice chute (continued)

16 Refill ice chute.

Press the button labeled 'Extra Ice' to refill the ice chute while in manual mode. It is located on the bottom row, second button from the right.



Reinstall lid holder and front 17 panel.



To ensure cleanliness and prolong the life of the ABS Why

5 minutes to complete Time required 2 minutes to prepare

For 24-hour restaurants: during low-volume periods Time of day At close or non-peak periods

. Moving Parts 📤 Sharp Objects/Surfaces 🖄 Slippery Floors





Tools and supplies

Hazard icons



Bucket clean and sanitized towels



Bucket soiled towels



McD All Purpose Super Cleaner (APSC) solution



Screwdriver, Philips (only needed on older units with 56... prefix serial numbers)

Procedure

1 Remove lower front panel.

Remove the front lower grille panel. Only older units will require a Phillips head screwdriver to remove 2 screws.



2 Turn off power.

Turn the pre-cool power switch to the off position. This switch is located on the chassis electrical box on the left hand side of the unit.



3 Remove pre-cool condenser filter.

Slide the pre-cool condenser filter up to remove it from the ABS. The filter is located on the front of the chassis.



Clean filter.

Using a warm solution of McD APSC solution and a clean towel, clean the filter. Rinse the filter in luke warm water and shake off any excess water.



Replace pre-cool condenser filter.

Return the pre-cool condenser filter into its original position by sliding it down.



Turn on power.

Turn the pre-cooler power switch to the on position. This switch is located on the chassis electrical box.



7 Replace lower front panel.

Replace the front lower grille panel. Only older units will require a Phillips head screwdriver to refasten 2 screws.

