

Quarterly Issue 18:
October 2017
By Jim Parrett

adventure, inspired by
AIRSTREAM
INTERSTATE



- Spring Training Session
- What's new 2018
 - Multiplex System
 - Suburban Continuous Hot Water Heater
 - Winterization process
 - 300 watts of solar power
 - Carefree Awning end caps and Awning adjustments
 - Generator Resonator
 - Blind programming process

Greetings!

Here we are, the beginning of autumn, and winter is right around the corner. Here at the factory we have started releasing units already winterized. This began on September 25th so I have also included how to winterize the new Suburban on demand system.

We welcome you to our quarterly newsletter! You will find that it is filled with updated information, helpful hints and tips. We want this newsletter to be valuable for you so please share suggestions to help us improve.

We have several new items to share with everyone this year, which I will be referencing in this newsletter.

AIRSTREAM SERVICE TRAINING

Training Opportunities

Training Class

Mark your calendars we will be holding our 4-day class for both trailers and Interstates. April 16th to April 20th, 2017, this will be for both Motorized and Travel trailers. Airstream provides the Hotel room and lunch every day during there visit.

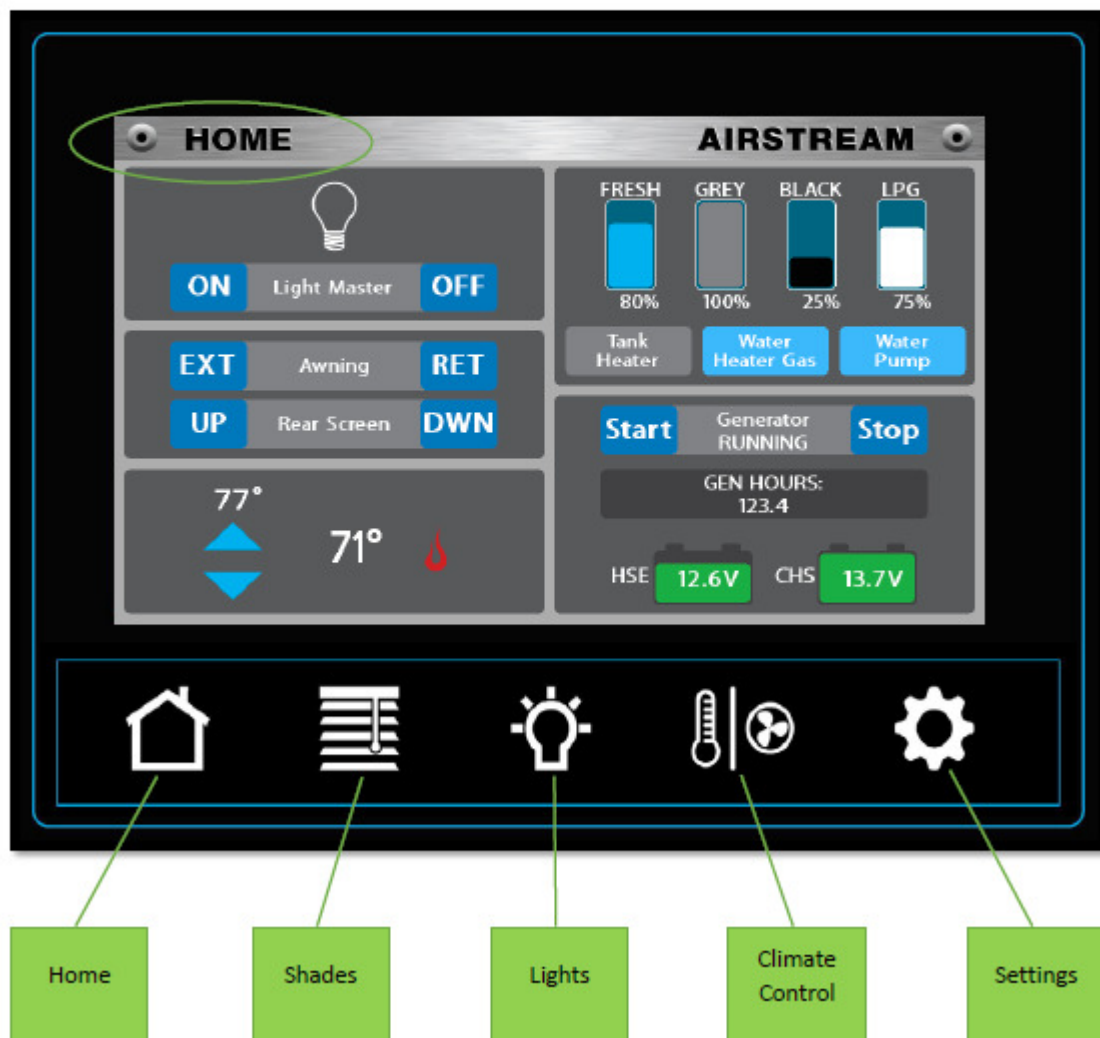
Webinars Parts and Warranty

November 8th 2:00 PM EST.

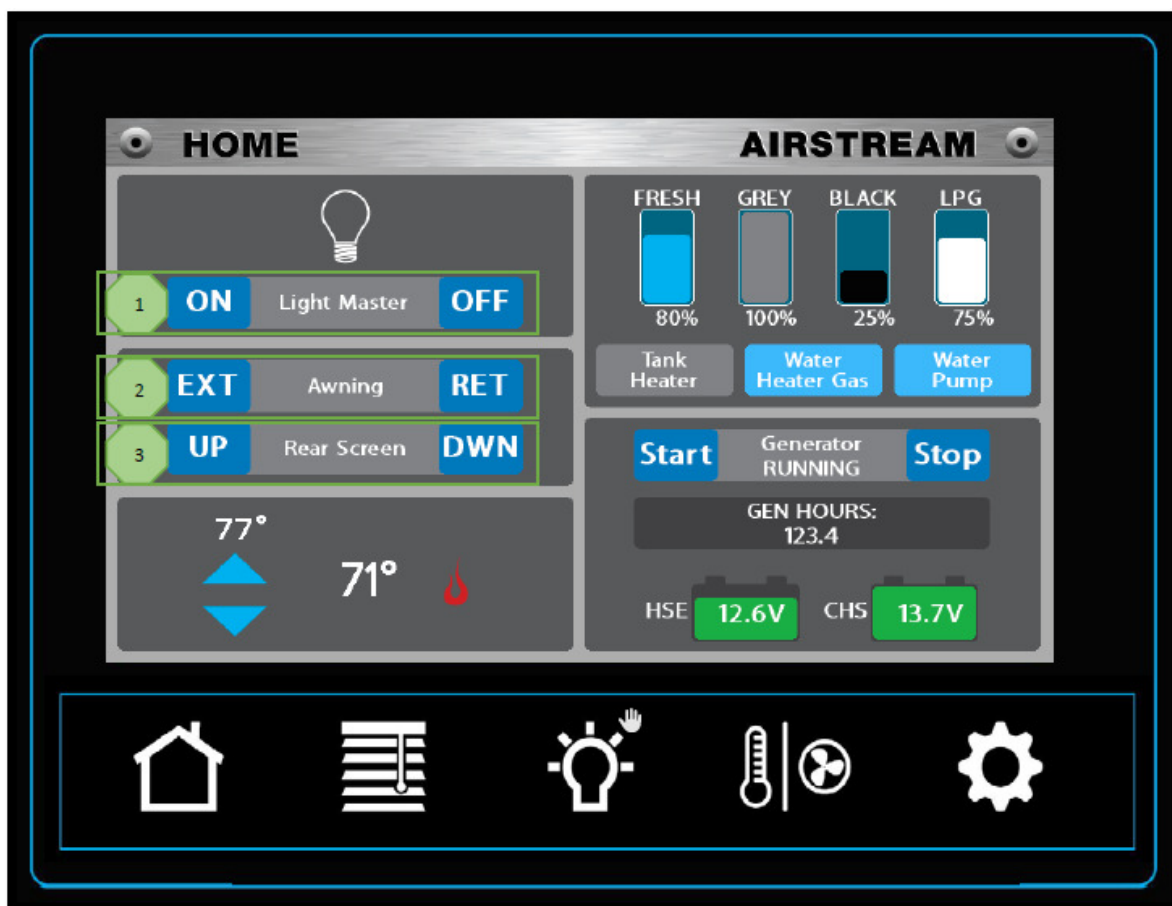
NEW for 2018

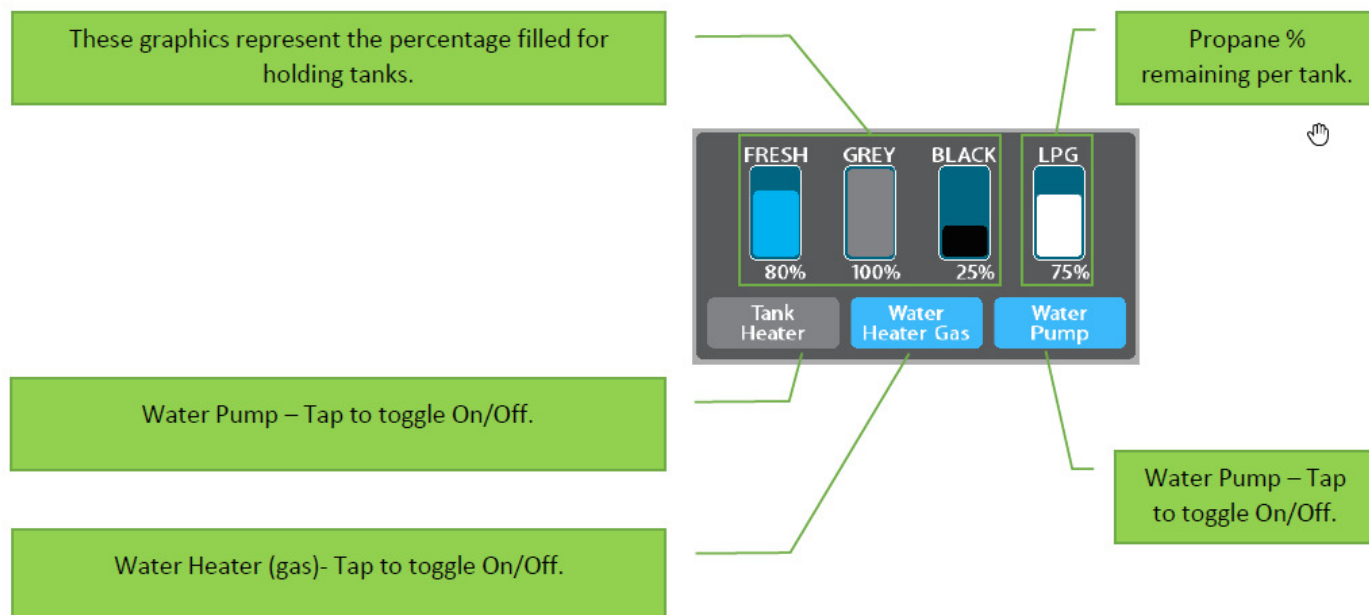
Spectrum Screen Navigation

Tap any icon from the navigation bar to select the desired page. The currently selected page will always be listed in the top corner of the screen.

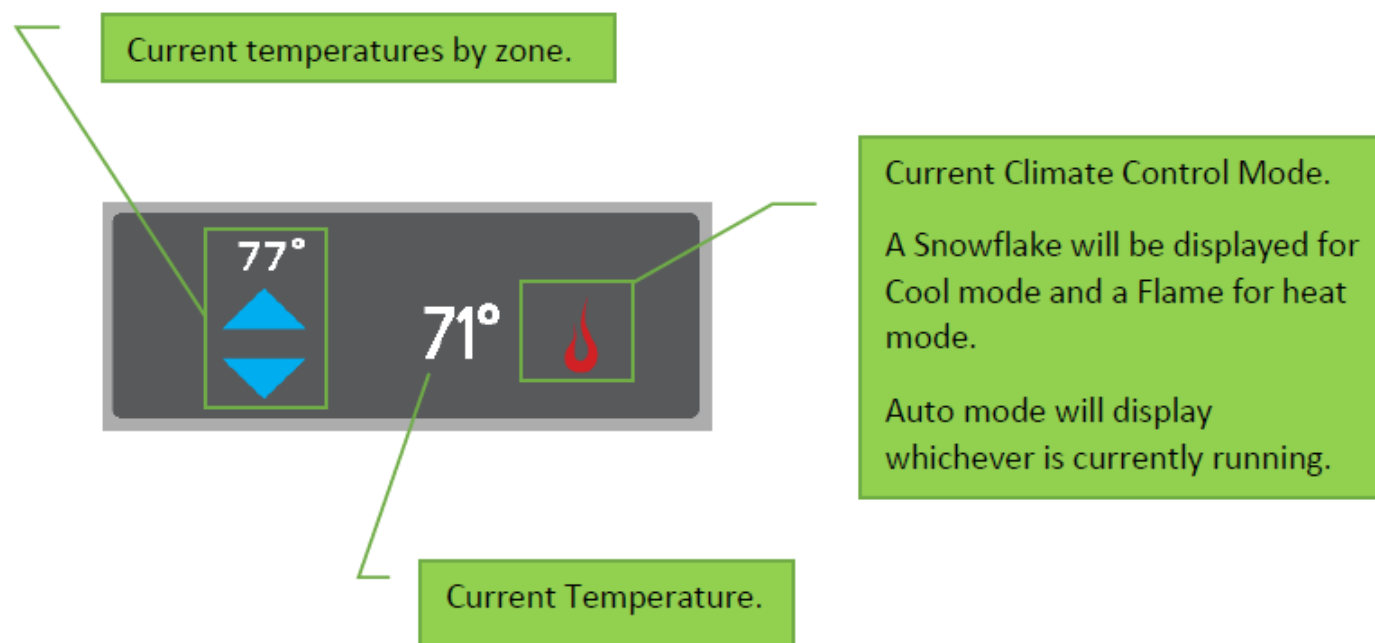


1. **Light Master** - controls all interior lights at once. When Light Master Off is pressed, it will remember which lights were on. Then, when Light Master On is pressed, it will only turn on the lights that are in memory. To turn on all lights again, press and hold Light Master On for at least one second. *Troubleshooting – Memory is rewritten each time Light Master Off is pressed. In a case where Light Master Off is pressed twice in a row, it will remember that no lights were on and pressing Light Master On will not turn on any lights. Press and hold Light Master On to turn all lights back on.
2. Awnings- Press and hold EXT (extend) or RET (retract) buttons to operate the awnings.
3. Rear Screen- Press and hold the UP or DWN buttons to raise or lower the rear screen.

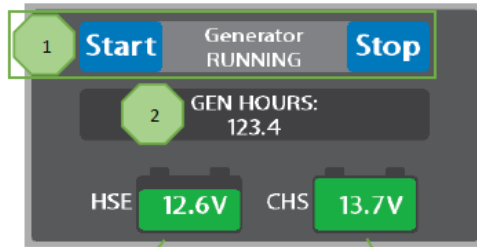




Button status-buttons will turn light blue when on and gray when off.



1. Generator- Press and hold the start button for 1 second to start the generator. Tap the stop button to shut down the generator. Status is shown between the buttons.
2. Generator hour meter- Hours shown are the run hours generator has been used.



House Voltage – the voltage coming from your house batteries.

Chassis Voltage – the voltage coming from your engine battery.

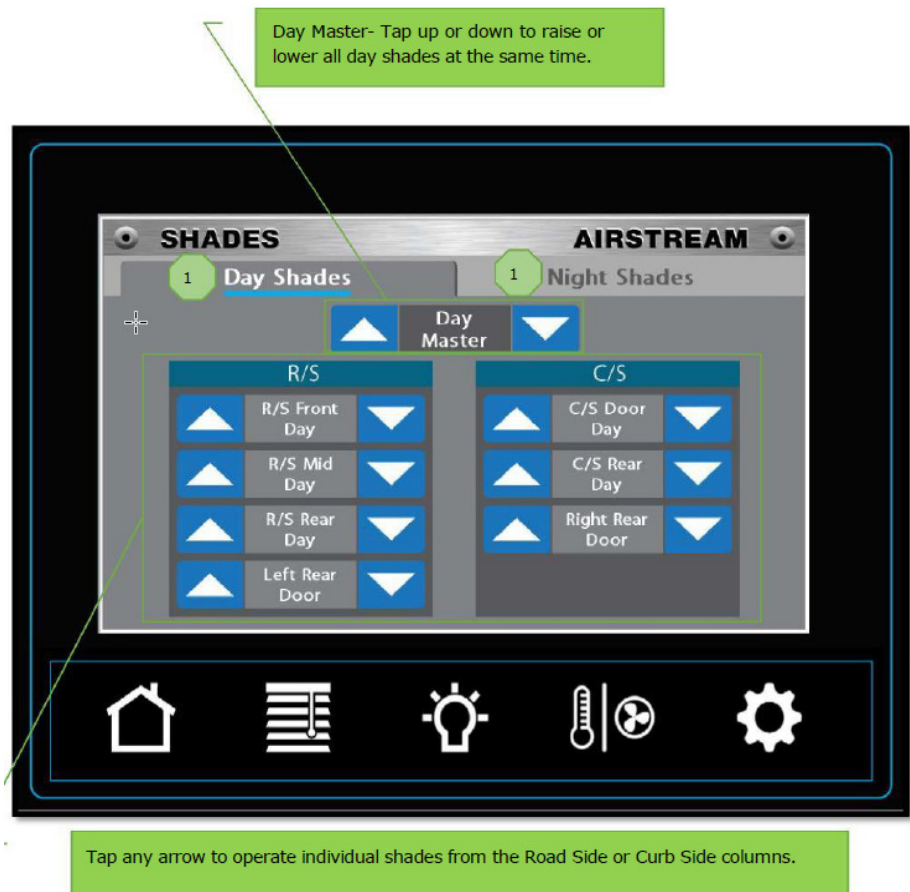
*Battery voltage below 12 volts will be displayed in red.

Shade Operation:

1. Tap the Day Shades or Night Shades tab to display their operating buttons on the screen.

You also have the option to “press and hold” the shade buttons to operate shades. Pressing and holding will activate the shade until the cycle is complete or until you lift your finger.

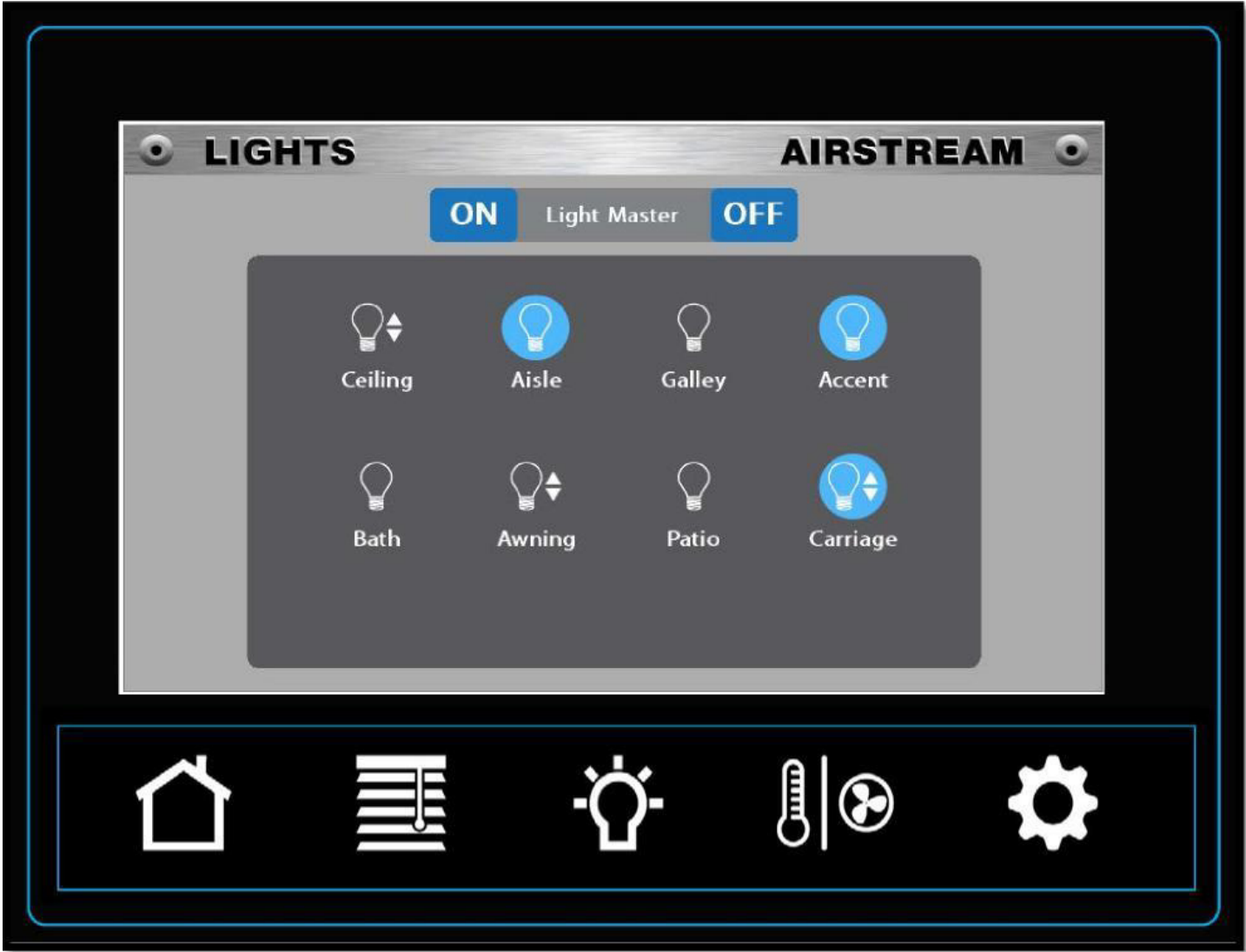
Light Status – the shade buttons will flash between Blue/Gray while operating in Tap mode. Note, button colors will not change during Press and Hold operation.



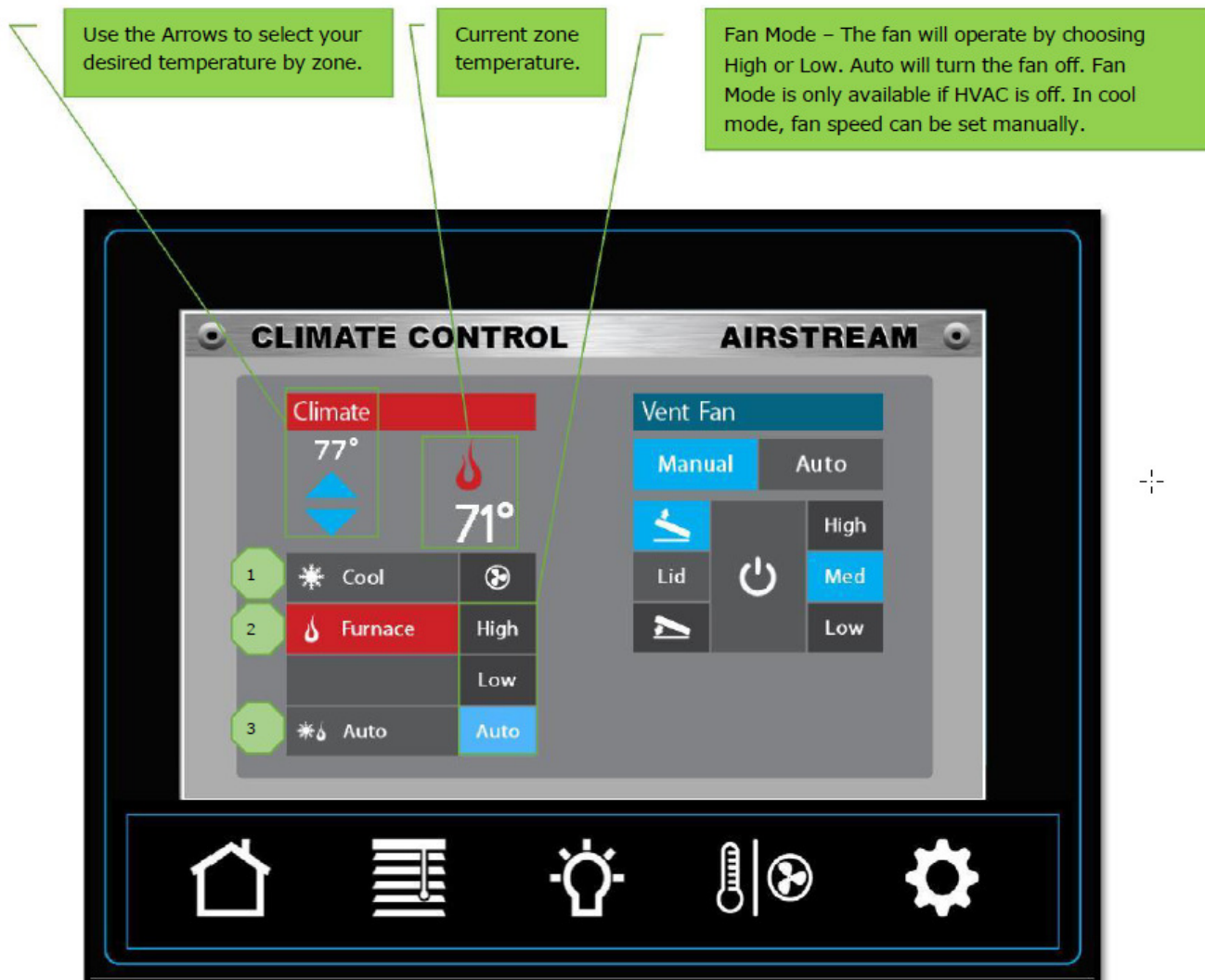
Light Operation:



Lights with up/down arrows are dimmable. Press and hold these buttons to ramp the brightness up or down. Tap any of the buttons to toggle On/Off.



Climate Control and Vents:

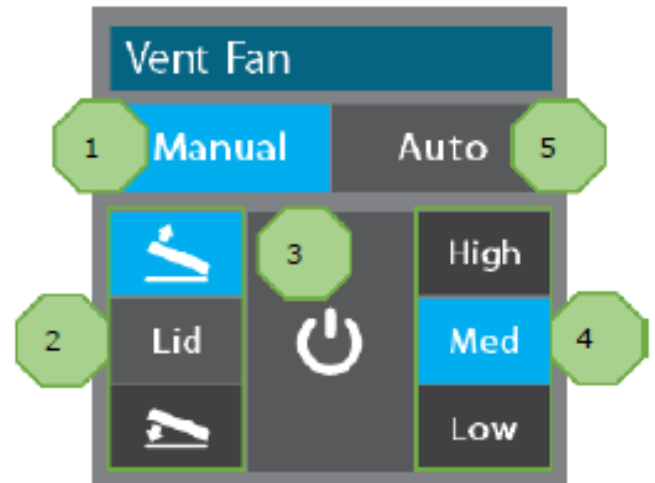


1. **Cool** – Tap to operate the air conditioning. The A/C will run until the current temperature reaches your set temperature and then shut off.
2. **Furnace** – Tap to operate the furnace. The furnace will run until the current temperature reaches your set temperature and then shut off.
3. **Auto** – Tap to put the system into Auto mode. The A/C or Furnace will automatically run to keep your set temperature consistent.

*Selecting Cool, Furnace, or Auto will cause the respective buttons to turn Red. Once a mode is chosen, either a Fan, Snowflake, or Radiant Heat icon will appear above the Current Temp to show which system is currently running. Auto will display either the Snowflake or the Heat icon.

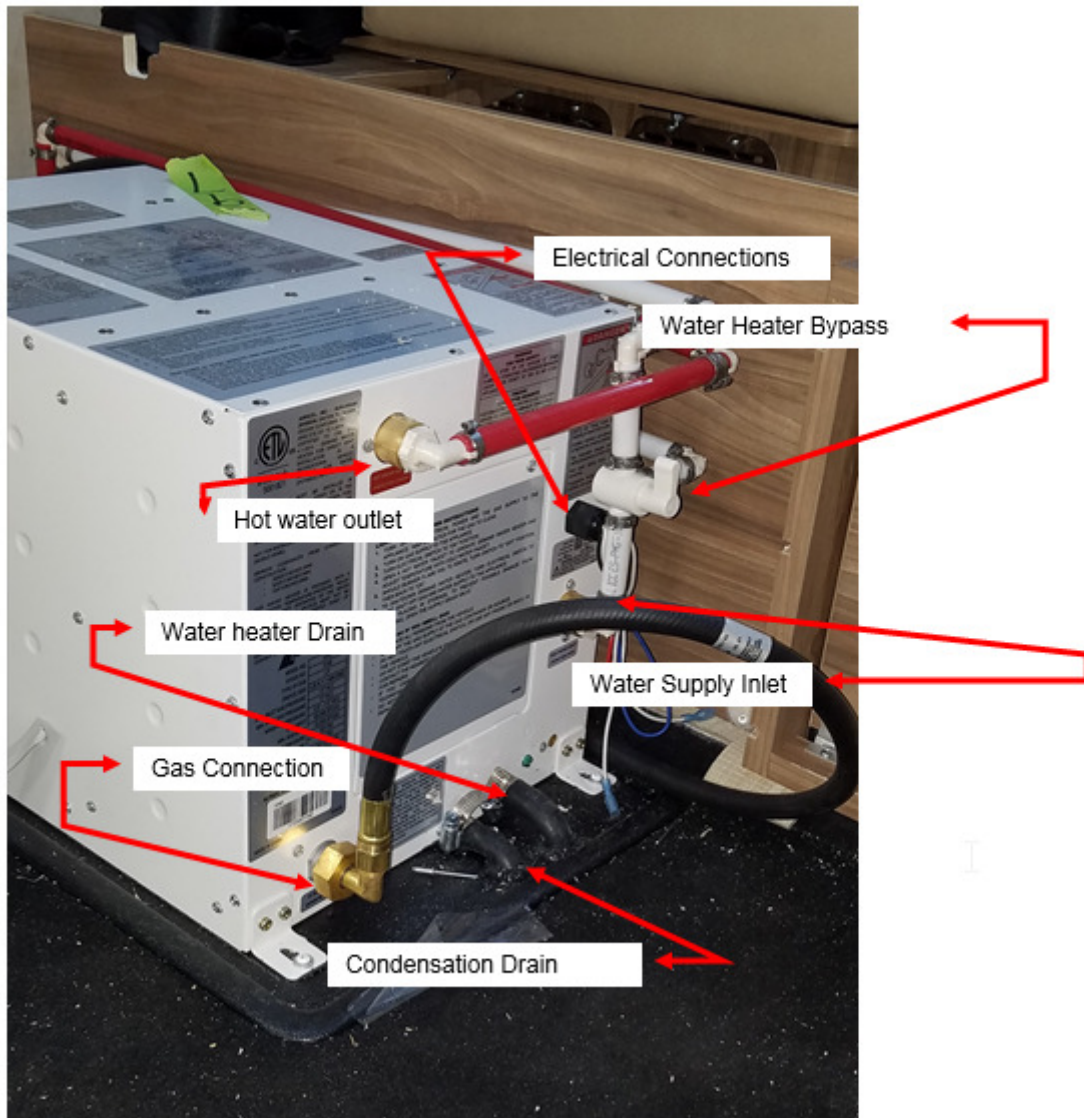
The Vent fan (Auto Mode) is only available when the climate control mode is set to Off.

1. Manual Mode – Tap the Manual button to select Manual mode.
2. Lid open and close buttons.
3. Power Button – The power button will open the lid and turn the fan to medium exhaust. From there, pressing any speed button will set the fan speed. Pressing the power button again will turn the fan off but leave the lid open.
4. Fan Speed Selector buttons.
5. **Auto Mode** – Auto mode works similar to Climate mode. Auto has a set point and zone temperature like a Climate Control zone. The fan will shut off and close when the temperature reaches 2 degrees below the set point. Setting the climate control mode to anything other than off will bring the Vent Fan out of Auto mode.



Operating Faucets and Shower with The Nautus (IW60) on demand water heater.

- Operated the faucets the same as you would in your home.
- Unit thermostat is set at 120 degrees F at the factory. Cold water must be added to achieve the desired hot water temperature.
 - If this is the first time using the unit and for the season, turn water supply on and open each faucet and allow all air to be purged from the water lines.
 - Turn on power supply
 - Turn on propane supply. Hot water faucet may have to be cycled several times to purge gas supply
- The water heater only heats when there is a call for water (open hot water faucet)
- A minimum of 0.5 gallons per minute is required for water heater to operate.
- Faucet should be turned on and adjusted to desired temperature and flow before entering the shower
- Showerhead button should not be used. Using the showerhead button will create a drop in temperature **be** reducing or stopping the flow of water through the water heater causing the water heater to shut down.
- Flow restrictors in a faucet and shower head should be removed for best performance.



Draining and storage Instructions:

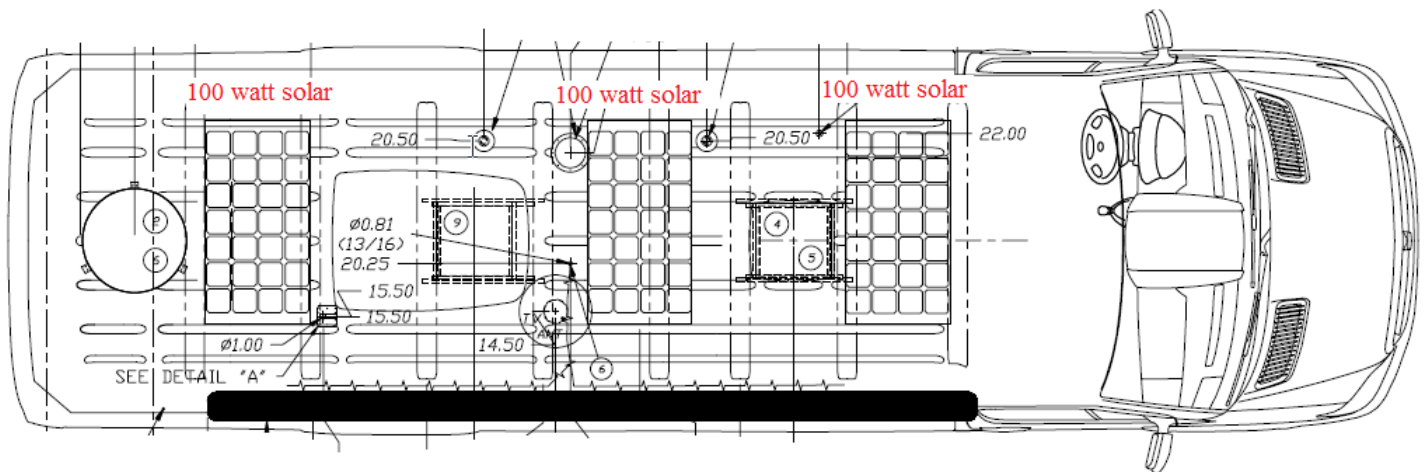
If your Airstream Interstate is going to be stored during the winter months, the water heater system must be drained to prevent damage from freezing.

1. Turn off your water heater by switch or fuse.
2. Shut off gas supply.
3. Turn off water pump or city water hook up.
4. Open both hot and cold on the water faucets.
5. Remove the service panel to access the drain valve. Now open valve to drain system.
6. Follow RV manufactures instructions for draining the entire system.

Solar Panel Layout:

We are now installing three 100-watt panels putting out 5.62 amps for 16.86 possible amps coming into the system at full sun optimal conditions. The rear panel is installed in a way, which still allows for the installation of a satellite system if the customer is requesting it at the dealer level.

We are still installing the solar panel regulator under the rear side seat as before.



CareFree Awning Caps Installation:

We have had a few request on if the new end caps designed for the model year 2018. Whether they can be installed on the previous model years, The answer is yes but only for the model year 2017 with the Carefree awnings.

1. Use full strength Isopropyl alcohol (IPA) - do not dilute
2. After bases have been adhered to the van body, there is a cure time of (2) hours.so do not allow to be in the rain or driven
3. Lord 459X primer has a minimum dry time requirement of 30 minutes.

Awning cap bases - Preparation requirements

1. Sand adhesive mounting surfaces with (36) grit disc on small die grinder
2. Clean surfaces with IPA, let dry completely
3. Apply Lord 459X primer, let dry completely (360386 Lords Primer)
4. Install Southco retaining clips to bases. Squeeze clips with pliers prior to installation to insure they will not fall out prior to installation. (Must be installed prior to adhering to the van body)
5. When installing clips, be sure to drill hole location in TPO. Clip will mark hole center.

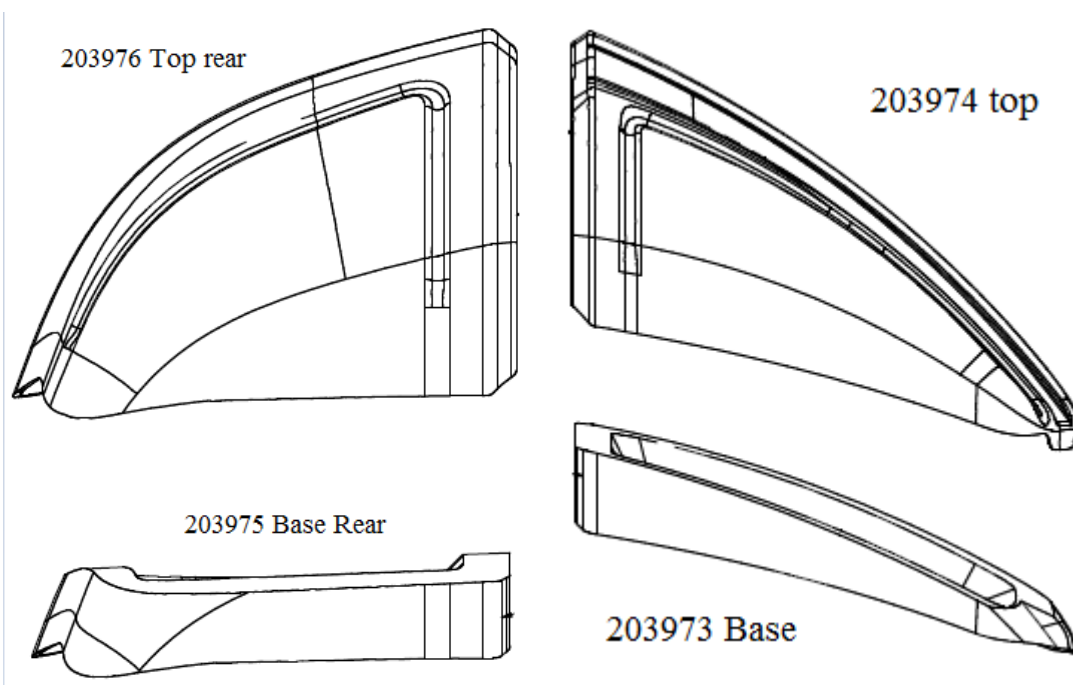
Awning cap covers - Preparation requirements

Use 3M TPO primer for all areas that we are applying the 3M dual lock (Velcro material). (704075)
Drill hole for Southco retaining clip screw. (382535 and 382536)

Installation:

1. Clean van body with IPA, let dry completely (360386 Lords primer)
2. Apply Lord adhesive 7545 A/B (195467-18) to bases, set into place (we may slide the base slightly, do not pull it back off without completing re-applying the adhesive.)
3. Adhesive has an approximate open time of 5 minutes.

4. When dispensing the adhesive, make sure product is mixed well in the nozzle before application.



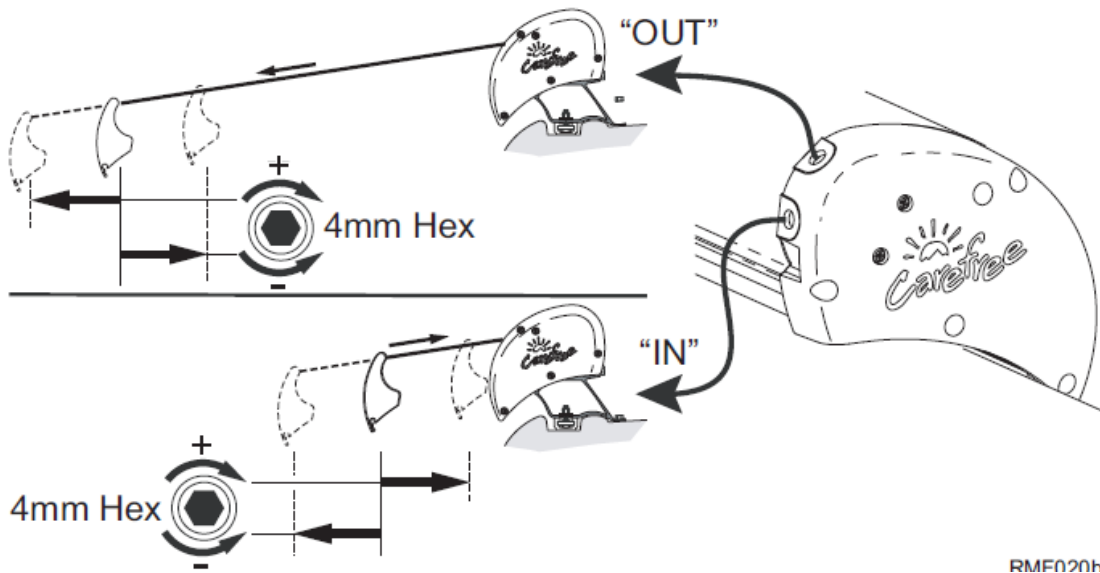
SETTING THE MOTOR LIMITS

If your awning is not fully retracting or after it closes still wants to try to close farther. This is how you would want to address it.

The motor limit switches are preset at the factory for best operation of the awning. It may be necessary to reset the switches. The "OUT" limit switch is used to stop the motor when the awning is fully extended. The "IN" limit switch is used to stop the motor when the awning is fully retracted.

The limit switches are located inside the motor endcap. To access the switches:

- Remove the plugs from the back of the motor endcap and use a 4mm Hex wrench through the holes.



Adjusting the OUT Limit Switch

1. Extend the awning out completely.
2. Confirm that the arms are fully extended. The motor should stop and the fabric should be tight. If the motor continues to run, the fabric will sag; or, if the motor quits before the arms are extended, it will be necessary to adjust the "OUT" limit switch.

3. Using a 4mm Allen wrench turn the "OUT" limit switch. CLOCKWISE increases time the motor runs during extension, COUNTERCLOCKWISE reduces the time the motor runs.

NOTE: It is best to make the adjustments in increments of a single turn. 3 full turns of the screw equals approximately 2" of fabric extension.

4. Extend and retract the awning several times to confirm that the adjustment is correct.
5. Repeat steps 3 and 4 as required until the awning extends correctly.

Adjusting the IN Limit Switch

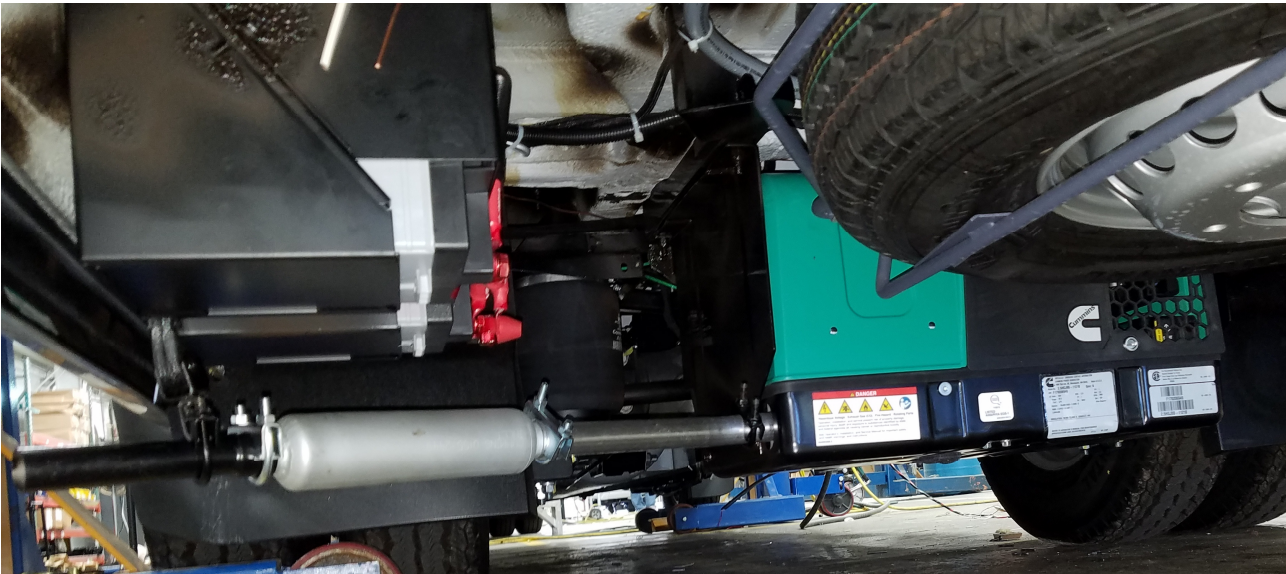
NOTE: The "IN" limit switch is not adjusted when the Direct Response system is installed. The system electronics monitors the motor and shuts the motor off when the awning is fully retracted.

If the "IN" limit switch is accidentally adjusted, the motor may shut off before the awning is fully closed. If this occurs, turn the "IN" adjustment screw clockwise. It is not necessary that the screw matches the closed position. The Direct Response electronics controls the closed position.

Onan Generator Resonator (exhaust)

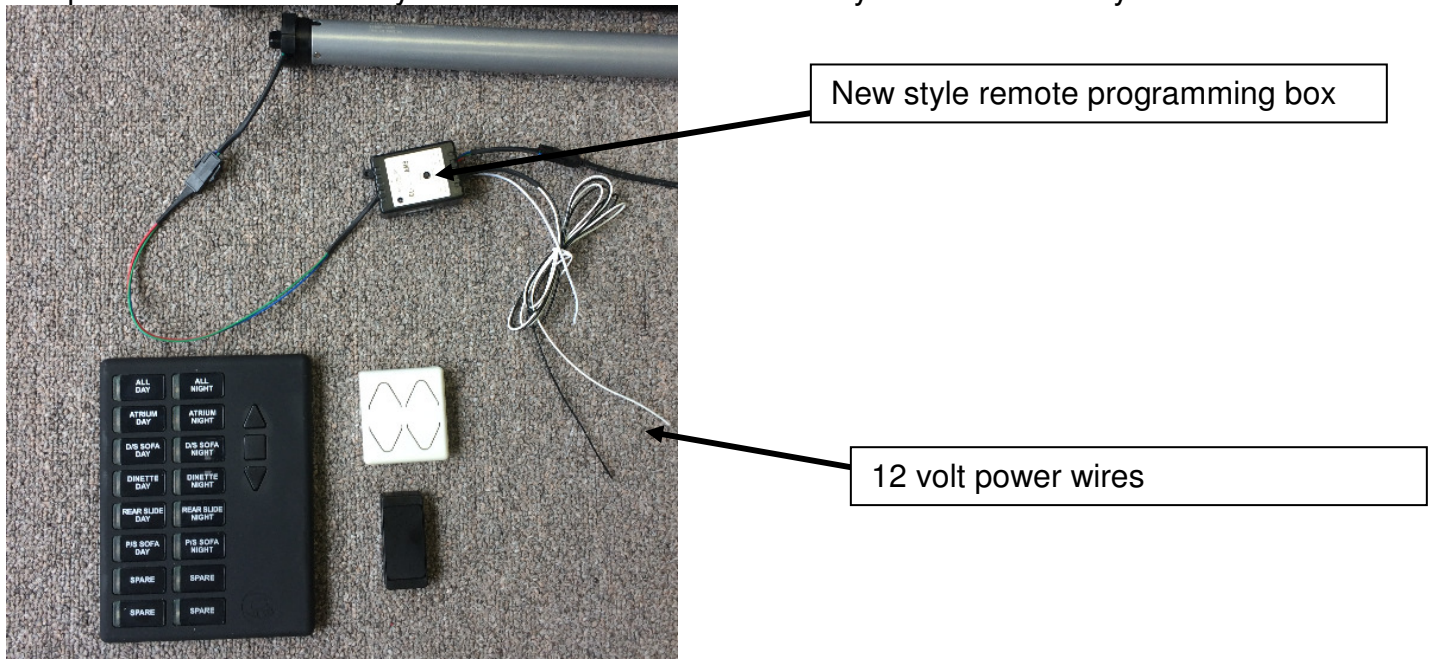
This resonator is now being installing on all 2018 Airstream Interstates. If a guest would like they can install this on later model Interstates. Call our parts department for pricing. By installing this resonator, it will quiet the outside noise down. This exhaust will fit on any of the 2500 LP generators. This might be a great upsell when customers are in for service/maintenance.

1. Part # 914398 RESONATOR
2. Part # 914399 Tailpipe Black Powder coated
3. Part # 914400 Exhaust non- powder coated
4. Part # 340073-03 1 1/4" Exhaust clamp 2 each
5. Part # 340073-02P BLK powder coated exhaust tip



Automation Blinds:

You may have seen this but the  AutoMotionShade® blind motors or assemblies are coming in with a black box attached to them instead of the small programming button. These new boxes are to make it compatible with the older style remotes. This is the newer style motor assembly.



Pairing new motor assembly with old-generation remotes:

1. Connect the output plug of the External Receiver Module to Motor, and input plug to the wires coming from the optional wired switch that controls the shade.
2. Ensure that the Module is connected to a 12V DC power supply (white wire to ground, black wire to 12V power). A green light on the Module should now be lit.
3. On the remote transmitter, select the channel, then on the left side of module press up until the light turn red, then on remote press up and release it. Now on module press middle button, until the light turn's red, then on remote press middle stop button and release it. Now on module press down, until the light turns red, then on remote press down button and release it.

Note1: Although the main purpose of 217P is for old generation of remotes, but you can pair 217P with new-generation of remotes as well.

Note 2: each remote has one ID and 217P has room for only one ID. So you can program one 16-channel old generation remote with as many channel you want, but if you pair it with another remote, all these programming are deleted. As a result, if you mistakenly pair a channel with this module and you want to un-pair that channel. You need another remote to program with that to delete the old remote and then start programming with old remote again.

Also, if there is a topic you would like some information on or would like to see considered in a future article just drop me a line 937-596-6111 ext. 7409 or jparrett@astram.com