2010 Allegro Bus

2/16/2011

FOURTH coach modification **Insulate the Kitchen Aid Refrigerator Ice Maker Water Line.** Our 2010 Allegro Bus 43QGP refrigerator is located in the driver's side slide which exposes the ice maker water line to any freezing conditions. A picture of the RR IM water line can be seen below.

The RR Ice Maker Water Line is installed inside the below 1 1/2 inch ABS pipe by Tiffin. The pipe is the only protection again freezing temperatures.

The ice maker water line located inside the above 1 1/2” ABS pipe extends and retracts as the slide moves in and out. When the slide is extended the pipe is exposed to outside air temperature as it is located under the slide.
A six foot piece of 1/2 inch (3/8 inch thick wall) pipe insulation was purchased from Lowes, the type of pipe insulation which you need to cut down the side then open the slit to slip around a pipe. I found the larger/thicker insulation is too big in circumference to slip inside of the 1 1/2 inch ABS pipe used by Tiffin.

The worm gear pipe clamp securing the 1 1/2 inch ABS piping was loosened to access to the ice maker water line, which is a standard 1/2 inch white potable water hose. Tiffin used rubber radiator hose to route the water hose through the slide floor into the access behind the refrigerator.
The IM water line was easy to insulate after cutting, the insulation was slid around the water hose then pushed into the ABS pipe about four feet.

The excess insulation was cut off at the rubber hose. I quickly found the installation of the insulation in the rubber hose portion was easier by working from the top of the rubber hose down and not the bottom up. All slack in the hose was pulled upward as far as possible then both hose and insulation were pushed/pulled down. The hose was worked back and forth pushed in insulation until the insulation came out of the rubber hose. The two pieces of insulation were taped together, the ABS pipe was reconnected to the rubber hose and the hose clamp was repositioned and re-tightened.

The final part of this modification was to insulate the water line cut-off valve and the water line on the back of the refrigerator as far up as I could reach to install the insulation.