

Arctic Freeze *Instructions for Use – January 2014*

1. **IMPORTANT:** Arctic Freeze is only suitable for cars that use **R134a** gas in their air-conditioning system. It is currently the 'standard' gas and all cars built since 1995 should use it. The car must also have a 13mm low side port valve to fit the hose and gauge
2. Before you begin to top-up your car air-conditioning gas, give the **Arctic Freeze** can a gentle shake for 10 seconds. (If the can has been stored in one position for some time, the gas and oil may have separated. Shaking ensures the contents are well mixed. The can's contents are however very high quality gas and oil – and the 'shelf-life' of the product is years, rather than months. The can is aluminium and will not rust)
3. Screw the gauge/ hose on to the top of the can. (If there is a plastic disc already screwed onto the top of the can, remove that first. The screw thread fitting to which the hose must be attached is aluminium.) NOTE: Screwing the gauge onto the can will pierce the can. When that has been done, it will not be possible to unscrew the hose from the can without losing any remaining gas that is in the can. The can must therefore be empty before removing the gauge. (The gauge connection has a rubber seal on it however, and the gas will not leak out from a partly-filled can. It can be stored like that for months)
4. Check the surrounding (ambient) air temperature of the place you will be performing the top-up. Adjust the central red arrow on the moveable bezel/ rim of the gauge to indicate the ambient temperature. (Please be aware that the temperature on the dial face is in Fahrenheit, not Celsius!)
5. Locate the 13mm low-pressure valve on the car air-conditioning system. **(The low-pressure side of the compressor is the one where the gas enters the compressor, after it has been used to cool the car interior.)** Remove the plastic cap from that valve. (If you can't find your low side port – check out our website. Some help is there.)
6. Start the car's engine. Turn the air-conditioning up to maximum cool. Then turn the air-conditioning fan to its highest speed
7. Connect the Arctic Freeze hose to the air-conditioning 13mm low-pressure valve
8. Check the pressure displayed on the gauge. If it reads below the left-hand red line on the moveable rim, squeeze the trigger on the gauge. NOTE: Do only short bursts of filling – say 5 seconds at a time. Shake the can gently from side to side between bursts, to ensure the contents of the can remain well mixed
9. Continue to fill and shake until the gauge needle is comfortably above the left-hand red line but inside the right one. NOTE: The car air-conditioning system is sufficiently full when the gauge needle lies anywhere in the region between the two outside red lines on the moveable rim. **DO NOT OVER-FILL!!**
10. NOTE: You will only get a meaningful pressure reading when the air-conditioning compressor is running. This is easy to see/ hear as it clicks on and off regularly
11. Disconnect the hose and replace the low-pressure valve cap. ***It really is a simple job!!***

YOU CAN WATCH ALL OF THIS IN ACTION IN OUR 'HOW TO' VIDEO AT

www.arcticfreezeafrika.com