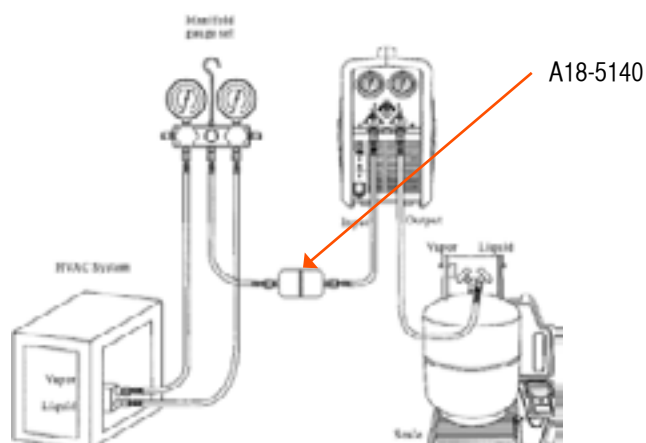


Looking after your Refrigerant Recovery Unit



Looking at the diagram below you will see that there is a filter in line with the input line to the Recovery unit. It is imperative that this is:

- ✓ Installed when the machine is in operation to stop contaminants reaching the internals of the recovery unit.
- ✓ Replaced regularly to ensure an uninterrupted flow of refrigerant gas.
- ✓ Please refer to Information below on modulating the input valve while reclaiming to minimise the risk of damage from liquid "slugging".
- ✓ Ensure that any extension lead is at least 14AWG or larger and no longer than 7.5 metres as any voltage drop to the machine will affect its ability to work correctly and possibly cause damage.
- ✓ Do Not overfill reclaim containers as this will also potentially damage the reclaim unit or worse, cause the container to rupture with dangerous consequences. They should be filled on a scale and only to 80% capacity to allow for heat expansion.
- ✓ Always read and follow the manufacturer's instructions supplied with the machine before using and refer back to them if unsure.



JAS Tech Tip 61 Refrigerant Recovery

A18-5140 suits A18-5106 and A18-5107

To Recycle with A18-5106 and A18-5107 Refrigerant use kit **A18-5148**



The Other Common Issues that can easily damage a Recovery unit is:

✓ Attempting to recover Liquid Refrigerant

Wherever possible do not recover liquid refrigerant through the recovery unit. Liquid Cannot be compressed!

The inlet tap has markings on it indicating Liquid and Vapour. The principal here is when recovering, preventing liquid entering the Recovery unit by restricting the flow of any liquid refrigerant to the point it has time to evaporate as it flows through the lines and tap. Slowly open the tap from Closed to the Liquid point – monitoring the flow of refrigerant and “sound” of the recovery pump until the dropping inlet pressure indicates all liquid has boiled off. At this point the tap can be turned completely to “Vapour” which is the completely open setting.



✓ Not having an open line to the recovery cylinder

The 2 pictures below show on the left an A18-4983 1/4 Flare to 1/2" Acme Thread Adaptor fitted to the outlet of a Recovery Unit. This adaptor has a Shrader Valve in it that prevents refrigerant flow through it unless the connecting hose (picture on right) with a shrader valve depressor is fitted. We have seen this many times and the result is Liquid Refrigerant is created by the pump in the reclaim unit and pressure, this liquid “backs up” inside the pump to the point that it damages the pump itself. The other cause could be something as simple as the recovery cylinder tap not being opened with the same result.

