

TECH TIP

Suction Screen Kit Installation

Four Seasons recommends the installation of a suction screen after a compressor has had a major failure and sent debris into the system. It is very important to eliminate this debris because it finds its way to the suction, discharge and liquid line hoses, and will cause another compressor failure. Adding the suction screen will help extend the life of the replacement compressor, but the entire system must still be flushed to remove dirty oil and small particles. An inline filter can also be used in order to trap debris before it reaches the expansion valve.

The tool kit 69093 contains eight different screen sizes with identification labels and all the tools needed to install and remove the suction screens. The following is a list of what is included in this tool kit.

1. Installation press tool
2. Suction screen extractors
3. Sizing tool
4. 3 OD .510" Small Silver
5. 3 OD .595" Large Silver
6. 3 OD .521" Yellow
7. 3 OD .538" Purple
8. 3 OD .552" Black
9. 3 OD .471" Blue
10. 3 OD .531" Small Green
11. 3 OD .618" Large Green

Installation Procedures

The installation of a suction hose screen on a vehicle that is operational requires the recovery of the refrigerant. Next the manifold hose assembly must be removed from the compressor. Using the sizing tool, measure the suction port to determine what size screen will be needed.

NOTE: Make certain you install the screen on the suction port of the hose assembly.

Using the installation press tool, lubricate screen and press the screen into the suction port. Install the hose assembly on the compressor and torque to specifications.

Included in the 69093 kit is a label for each application of a suction screen. Clean a surface under the hood that is visible and affix the label to inform future repair personnel that the system is equipped with a suction hose screen.

Remember: Suction screens are not intended to replace flushing or inline filters. They are used to keep debris left in the system (**after flushing**) from reaching the replacement compressor.

