

PREPARE FOR SPRING

Before spring approaches is probably the best time for your customers to make sure their mobile HVAC systems are functioning at maximum performance. Here are five areas of maintenance to complete before spring arrives.

System maintenance

- Inspect the system for leaks, checking the fitting for oil or dye. If found, recover, repair the leak and recharge. Remember to replace the receiver drier and pull a deep vacuum before recharging.
- Ensure the service valves (charge ports) have caps, as they tend to leak. The cap is the primary seal and should always be tightly installed to prevent loss of refrigerant.
- If the serve valve leaks, replace the core with one that has HNBR seals.

Compressor and belt drive system

- Measure the clutch air gap with a feeler gauge. It should be 0.4 - 0.8 mm (0.016 – 0.031”). A larger gap could cause slippage and overheat the clutch.
- Check the belt tension and wear. Replace the belt before it breaks.
- Inspect for oil around the shaft seal, indicating a possible leak.

Receiver Drier (Filter)

- Replace annually or any time refrigerant system is opened.

Expansion Valve (TXV)

- Check refrigerant charge head for damage and leakage.

Other components

- Check the thermostat for proper operation
- Ensure the water valve opens and fully closes. A water valve that does not fully shut off coolant flow will show up later as poor A/C cooling.
- Check and clean the fresh air filter and the fresh/recirculation modes if your equipment has them. Plugged filters will reduce airflow, affecting cooling and heating performance.