

Hybrid Use



Model: 37887

It is **VITALLY IMPORTANT** not to have **any cross** contamination of Hybrid vehicle's a/c system oil with a conventional vehicle's a/c system oil.

So important the Society of Automotive Engineers amended the J2788 (current a/c machine specifications) and created J2788H.

Within their description of the "H" spec they require the machine **NOT TO HAVE THE ABILITY** to inject any oil into a vehicle and the oil should be injected via other means (handheld injector).

The liability on this issue is huge!

If one technician gets sloppy and injects traditional PAG oil into a Hybrid vehicle high voltage a/c system, he stands to eliminate the dielectric strength of the oil, thereby negating the insulation characteristics of the oil in the high voltage system.

Some of these hybrid high voltage systems are up to 300 volts AC current. Certainly enough to kill a man.

I cannot fathom any customer accepting the liability of attempting high voltage a/c system service with anything other than a unit certified and independently tested to meet the criteria of the SAE J2788H specification.

SOME CRITICAL AREAS TO NOTE

3.5 Equipment meeting High Voltage Compressor requirements in section 8.9.5 shall also be marked below the SAE J2788 marking of 3.4 "Certified for High Voltage Compressor Service" in bold-type letters a minimum of 3MM (1/8 in) in height and shall incorporate the ISO high voltage symbol.

8.9.5.1 Equipment suitable for servicing systems with High Voltage Electric Compressors that use POE (polyolester) oil shall meet the following criteria and be identified as instructed in section **3.5**.

The equipment shall be capable of charging refrigerant into a system with less than 0.1% by weight of any residual oil. The percentage of residual oil in refrigerant shall be determined by conducting the following test using the specified test apparatus as shown in Figure 2. **Equipment with the High Voltage Compressor Service designation shall not have onboard oil or dye injection capability.**