

**TENNESSEE CHILL BOX CONTAINS:**

**ENVIRONMENTALLY SAFE**

**R-410A SERVICE TECHNIQUES**

R-410A Training Supplement  
to the Desktop Reference and Training Guide

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by

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One of the new substitutes is R-410A, a blend of Hydrofluorocarbons (HFCs), substances that do not contribute to depletion of the ozone layer, but, like R-22, contribute to global warming. There are several reasons why R-410A is becoming the chosen replacement for R-22 in **new systems**. These reasons include.

- **Higher Capacity Equipment:** Equipment designed for HFC-410A has demonstrated up to 40% greater capacity when compared to current R-22 equipment.
- **Easy Servicing:** HFC-410A while a blend is a near azeotropic mixture, meaning it behaves almost like a pure refrigerant and therefore it can be repeatedly topped off.
- **Safe and Easy to Use:** HFC-410A has an A1 ASHRAE safety classification.
- **Higher Efficiency:** HFC-410A systems exhibit about a 10% increase in the Coefficient of Performance. That means that A/C and Heat Pump systems can be designed to meet the proposed DOE guidelines of 12 to 14 SEER