

**DATE:** JANUARY 20, 1998  
**MODEL YEAR:** 1994 & LATER  
**CHASSIS MODEL:** UD1400/1800/2000/2300/2600/3000  
**BULLETIN #:** AC - 04

**FILE IN THE ACCESSORY SECTION OF THE TECHNICAL BULLETIN BINDER**

**RED DOT R134a REFRIGERANT CHARGE SPECIFICATION CHANGE**

**PURPOSE:**

To provide R134a refrigerant charge specifications for the R2170 A/C system found in the 1994 and later UD1400 and the R2190 A/C system found in 1995 and later medium duty vehicles. A/C system performance is greatly affected by an incorrect refrigerant charge.

**CHANGE NOTICE:**

Due to a change in suppliers, the condenser coils provided by Red Dot Corporation for the R2170 and R2190 air conditioners are now smaller in size when compared to the original condensers in these models. Refer to Parts Bulletin UD97 - 095 dated November 26, 1997 for additional information.

The reduction in condenser coil size also affects the refrigerant charge specification for these models. A/C system installers and service technicians must determine which condenser coil is installed in a vehicle to decide the proper refrigerant charge by reading the "MFG. DATE" on the QUALITY AUDIT label shown below and attached to the condenser assembly housing. The smaller coils were implemented in condenser assemblies manufactured after May 1, 1997 in the R2170 A/C system and after September 22, 1997 in the R2190 A/C system.

**R2170 A/C System**

**UD1400, 1994 & later**

Former refrigerant charge: 1 lb. 6 oz.  
 New refrigerant charge: 1 lb. 5 oz.  
 Condenser mfg. date: May 1, 1997

**R2190 A/C System**

**Medium duty, 1995 & later**

Former refrigerant charge: 2 lb. 4 oz.  
 New refrigerant charge: 1 lb. 11 oz.  
 Condenser mfg. date: September 22, 1997

