

**DATE:** JANUARY 14, 1999  
**MODEL YEAR:** 1995 ~ 1998  
**CHASSIS MODEL:** ALL MEDIUM DUTY  
**BULLETIN #:** AC - 07

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

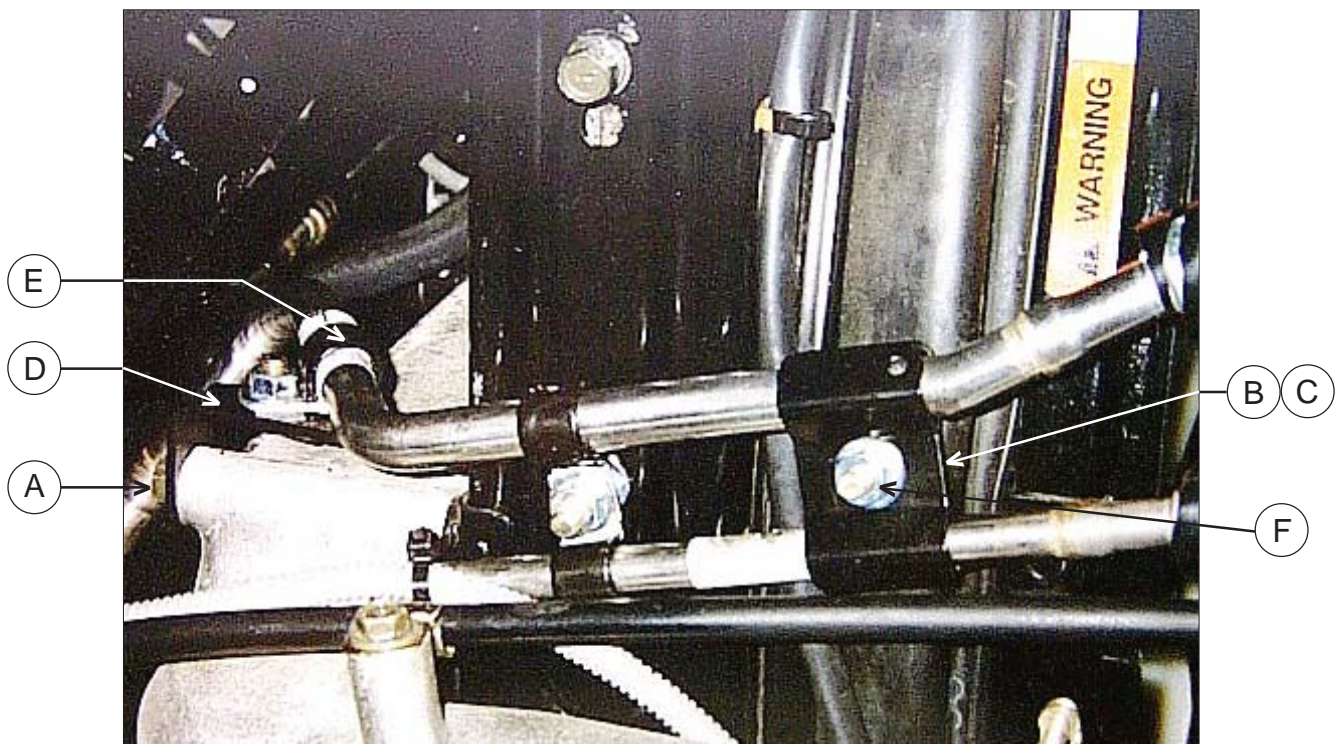
## RED DOT AIR CONDITIONING REFRIGERANT HARDLINE HOSE CLAMPING

### PURPOSE

To announce the availability of new Red Dot components for the R-2190 model air conditioner found in 1995 ~ 1998 Medium Duty vehicles that will improve the separation and clamping of the two compressor hardlines at the side of the radiator and above the engine's charge air intercooler.

### PARTS NOTICE

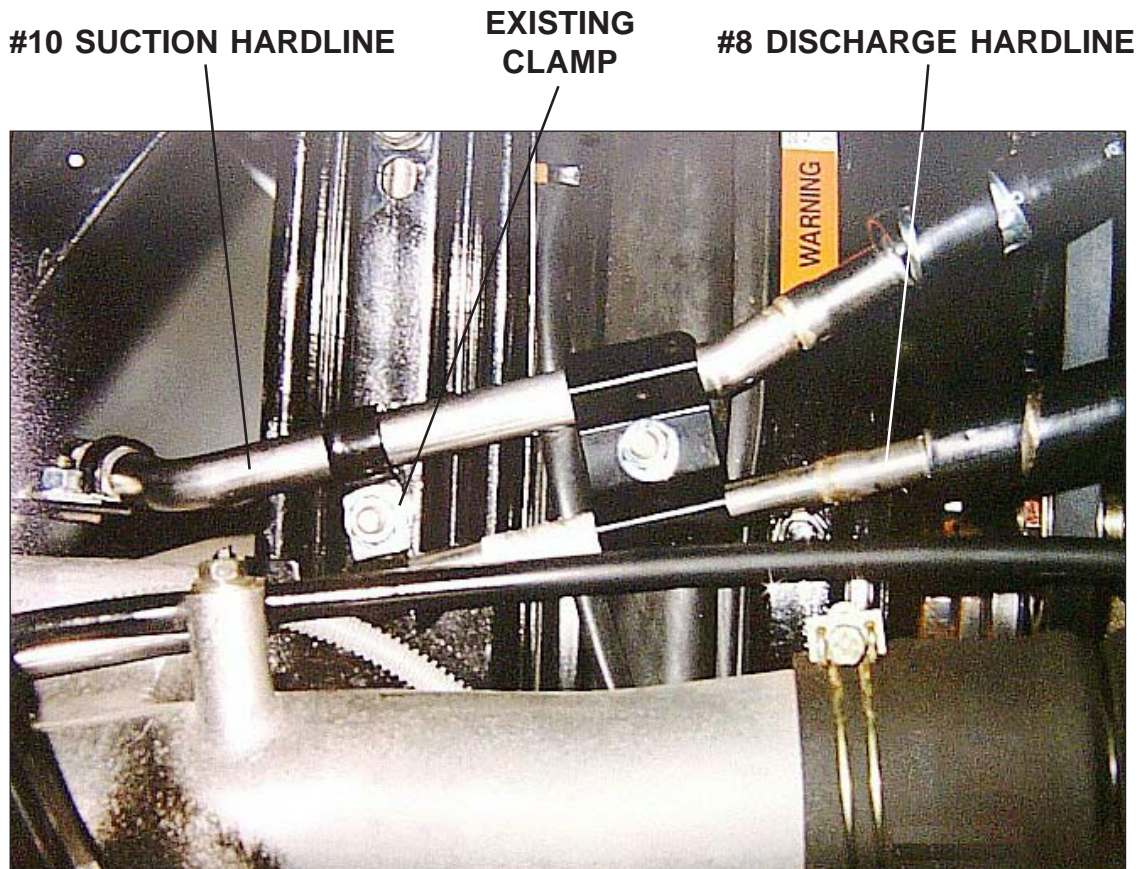
ITEM	PART NUMBER	DESCRIPTION	QTY.
A	RD-5-9079-0	Bolt (M10 x 1.25 x 110)	1
B	RD-2-3364-1	Spreader Clamp	1
C	RD-2-3382-1	Hardline Spreader	1
D	RD-2-3381-1	#10 Hardline Locator Bracket	1
E	RD-5-6912-0	Tubing Clamp (.625" ID)	1
F	RD-5-7635-0	Nut (M8 x 1.25 with conical washer)	1



## SERVICE NOTICE

The compressor #10 suction hardline is clamped to the radiator left side panel with a tubing clamp as shown in the figure below. If the clamp should come loose, the #10 hardline can rub into the engine's charge air intercooler on the front side of the radiator and can also rub into the #8 discharge line causing damage to these items. New parts have been developed which secure and reposition the clamping of these two lines at the radiator side panel and above the charge air intercooler.

When these two lines are replaced or removed during service or repairs, the new parts should be added to the vehicle to prevent possible chaffing of the lines or the charge air intercooler.



## INSTALLATION INSTRUCTIONS

1. With the refrigerant evacuated from the system, loosen both hardlines at the compressor, at the radiator side clamp, and at the front of the radiator and charge air intercooler. This will allow manual positioning and indexing of the hardlines.

Loosely install the 2-piece hardline spreader and spreader clamp (items B and C) on the metal portion of the hardlines approximately 3" to the rear of the existing radiator side clamp location. Please note that the hardline spreader and matching spreader clamp have a large clamp opening for the #10 suction hardline and a smaller clamp opening for the #8 discharge hardline.

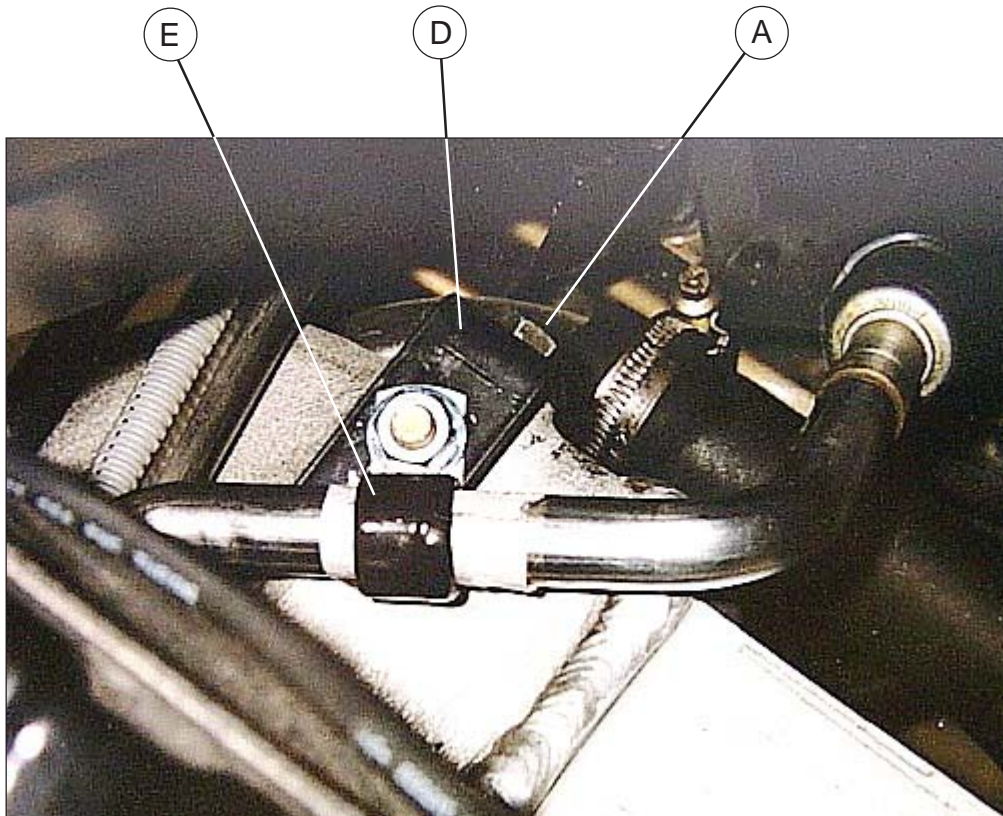
2. Remove and discard the existing bolt located at the top left hand side of the vehicle (driver's side) that attaches the charge air intercooler to the radiator.

Install the locating bracket (item D) at this location using the new bolt (item A) as shown in the figure below and tighten the bolt to 19 N·m (1.9 kg·m) (14 lb·ft).

3. Install the new tubing clamp (item E) over the #10 suction hardline and attach the clamp to the locating bracket.

4. Tighten all installation hardware in the following sequence:  
a. spreader and clamp (items B and C) on the hardlines  
b. existing clamp on left side of radiator  
c. tubing clamp (item E) on top of charge air intercooler  
d. hardline fittings at compressor

5. Evacuate air from the system and recharge with refrigerant.



THE INFORMATION CONTAINED IN THIS BULLETIN SHOULD NOT BE INTERPRETED AS THE BASIS FOR CLAIMS UNLESS SO DESIGNATED.