



# TECHNICAL SERVICE BULLETIN

**REF.:** HEATING & AIR  
CONDITIONING  
**NO.:** AC92-004  
**DATE:** OCTOBER 9, 1992  
**MODEL:** ALL MODELS

## AIR CONDITIONER SYSTEM O-RING COLOR CHANGE

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With the change-over to new air conditioning refrigerant R134a (HFC134a), there is a need to distinguish between R12 and R134a O-rings.

**Beginning with May, 1992 production, the color of R12 O-rings has been changed from black to brown.** The following charts describe O-ring color and material application for both R12 and R134a systems.

SYSTEM: R-12			
Location	Part	Type Of Modification	
Piping joints (nut type & block joint)	O-Rings <b>(R12 Only)</b>	Color	Black → Brown
		Material	NBR → H-NBR

NBR: Nitrile Butadiene Rubber

H-NBR: Hydrated Nitrile Butadiene Rubber

NOTE: Part Numbers remain unchanged.

SYSTEM: R134a			
Location	Part	Type Of Modification	
Piping joints (nut type & block joint)	O-Rings <b>(R134a Only)</b>	Color	Black
		Material	RBR

RBR: Rubber used in HFC134a systems

### **SERVICE HINT:**

There will be a transition period where both black and brown R-12 O-Rings are in distribution. You are advised to use up your current stock as well as additional stock of Black R-12 O-Rings first. This will help prevent confusion when R134a systems are introduced.