

- **AIR CONDITIONING—COMPRESSOR FAILURE—INSUFFICIENT AMOUNT OF REFRIGERANT OIL**
- **AIR CONDITIONING—LACK OF COOLING—INSUFFICIENT AMOUNT OF REFRIGERANT OIL MAY CAUSE COMPRESSOR FAILURE**

**Article No.
97-10-5**

FORD: 1994-1997 MUSTANG, THUNDERBIRD
1993-1996 BRONCO
1993-1997 F-150-350 SERIES, F-47
1994-1995 ECONOLINE
1994-1997 AEROSTAR, EXPLORER, RANGER
1995-1996 WINDSTAR

MERCURY: 1994-1997 COUGAR
1994-1996 VILLAGER
1997 MOUNTAINEER

This TSB article is being republished in its entirety to include 1997 F-Series.

ISSUE

Some vehicles may exhibit air conditioner compressor failure due to an insufficient amount of refrigerant oil in the system.

ACTION

Whenever service is required on the A/C system, add the appropriate refrigerant oil to the system. Refer to the following Service Procedure for details.

NOTE

USE MOTORCRAFT YN-9 REFRIGERANT COMPRESSOR OIL FOR 1993 MODELS EQUIPPED WITH AN R-12 SYSTEM. FOR 1994 AND LATER MODELS USING AN R-134a SYSTEM, USE MOTORCRAFT YN-12-B POLYALKYLENE GLYCOL (PAG) REFRIGERANT COMPRESSOR OIL.

SERVICE PROCEDURE

1. Remove all refrigerant from the A/C system using the appropriate R-12 or R-134a refrigerant recovery equipment following the manufacturer's operating instructions.
2. Service the A/C system as required.
3. Check for Modification Label indicating additional refrigerant oil is already in place.

4. If no label was found, add additional clean refrigerant oil (over and above the amount of oil required for the system being serviced). The oil may be poured directly into the accumulator assembly or it may be injected by the refrigerant charging station, if so equipped.
5. Recharge the A/C system using the appropriate refrigerant.

ADDITIONAL OIL NEEDED	
Vehicle	Additional Oil
1994-97 3.8L Mustang/Thunderbird/Cougar	59 ml (2 oz.)
1993-96 F-Series	118 ml (4 oz.)
1997 F-Series	59 ml (2 oz.)
Bronco/Mountaineer	118 ml (4 oz.)
Aerostar	59 ml (2 oz.)
Ranger/Explorer	59 ml (2 oz.)
Econoline	59 ml (2 oz.) with front only and 88.5 ml (3 oz.) with dual
Windstar	59 ml (2 oz.)
Villager	59 ml (2 oz.) on dual unit only

Obtain an Authorized Modifications Decal (FPS 8262 - obtainable through DOES II, 25/pkg) and list the date, dealer number, and summary of modifications performed. Select a prominent place adjacent to the Vehicle Emission Control Information Decal suitable for installing the Authorized Modifications Decal. Clean the area, install the decal, and cover it with a clear plastic decal shield.

Article No. 97-10-5 Cont'd.



AUTHORIZED MODIFICATIONS

THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:

*Added an additional ## ml (# oz) of Refrigerant
Oil per TSB 97-10-5*

THESE MODIFICATIONS HAVE BEEN APPROVED,
AS APPROPRIATE, BY EPA AND CARB.

DEALER NUMBER:

DATE:

CHANGE AUTHORITY:

FPS 8262 9/78 FORD MOTOR COMPANY PRINTED IN U.S.A.

PART NUMBER

PART NAME

YN-9

Refrigerant Oil (R-12 Systems)

YN-12-B

Refrigerant Oil (R-134a Systems)

OTHER APPLICABLE ARTICLES: NONE

SUPERSEDES: 96-22-6

WARRANTY STATUS: INFORMATION ONLY

OASIS CODES: 208000, 208200, 208999