

Article No. 89-22-8	<ul style="list-style-type: none"><li data-bbox="422 84 1055 157">● EMISSION MAINTENANCE WARNING MODULE—SERVICE INFORMATION <li data-bbox="422 178 1299 294">● LAMP—“EMISSIONS/CHECK ENGINE”—EMISSION MAINTENANCE WARNING MODULE—SERVICE INFORMATION
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LIGHT TRUCK: 1985-89 BRONCO
1985-87 BRONCO II
1985-89 ECONOLINE, F-150, F-250, F-350
1985-88 RANGER
1986-87 AEROSTAR

MEDIUM/HEAVY TRUCK: 1988-90 F & B SERIES

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<ul style="list-style-type: none"> ● EMISSION MAINTENANCE WARNING MODULE—SERVICE INFORMATION ● LAMP—“EMISSIONS/CHECK ENGINE”—EMISSION MAINTENANCE WARNING MODULE—SERVICE INFORMATION 	Article No. 89-22-8 Cont'd.
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ISSUE: The Emission Maintenance Warning "EMW" module operates a light that is located on the instrument panel. For 1985-87 model year vehicles, the light will display the word "EMISSIONS". For 1988-89 model year vehicles, the light will display the words "CHECK ENGINE". When the light is lit, it is indicating that the 60,000 mile emission maintenance should be performed. After the maintenance is performed the EMW module must be reset to zero time. Another type of module is the "IMS" module. This module is not part of the light circuit and does not require maintenance. At a predetermined time, the IMS module directs the EEC IV processor to make a strategy change. A third type of module is the "COMBO" module. This module combines the functions of the IMS and the EMW modules.

ACTION: Refer to the following module application charts for the specific vehicle application and location of the different types of modules.

NOTE: FOR APPLICATIONS NOT LISTED IN THE FOLLOWING MODULE APPLICATION CHARTS, THE “CHECK ENGINE” LIGHT IS CONTROLLED BY THE EEC IV PROCESSOR. THESE VEHICLES DO NOT USE THE “EMW” MODULE.

1985 & 1986 MODULE APPLICATION CHART				
APPLICATION	ENGINE	MODULE TYPE	MODULE LOCATION	SERVICE PART NUMBER
Aerostar	All	EMW	Left Of Steering Column On EEC IV Bracket	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)
Ranger, Bronco li	All	EMW	Behind The Glove Box	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)
Econoline, Bronco, F-Series	All	EMW	Bottom Of IP Left Of Steering Column	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)

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- **EMISSION MAINTENANCE WARNING MODULE—SERVICE INFORMATION**
- **LAMP—“EMISSIONS/CHECK ENGINE”—EMISSION MAINTENANCE WARNING MODULE—SERVICE INFORMATION**

1987 MODULE APPLICATION CHART

APPLICATION	ENGINE	MODULE TYPE	MODULE LOCATION	SERVICE PART NUMBER
Aerostar	All	EMW	EEC IV Bracket	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)
Ranger, Bronco II	All	EMW	Behind The Glove Box	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)
Econoline, Bronco, F-Series	All	COMBO	Bottom Of IP Left Of Steering Column	E7TZ-12B514-A

1988 MODULE APPLICATION CHART

APPLICATION	ENGINE	MODULE TYPE	MODULE LOCATION	SERVICE PART NUMBER
Ranger	2.0L	EMW	Behind The Glove Box	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)
F & B Series	6.1L & 7.0L	EMW	Mounted in the IP	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)
Econoline, Bronco, F-Series	5.8L	COMBO	Bottom Of IP Left Of Steering Column	E7TZ-12B514-A

1989 MODULE APPLICATION CHART

APPLICATION	ENGINE	MODULE TYPE	MODULE LOCATION	SERVICE PART NUMBER
F & B Series	6.1L & 7.0L	EMW	Mounted in the IP	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)
Econoline, Bronco, F-Series	5.8L	COMBO	Bottom Of IP Left Of Steering Column	E7TZ-12B514-A

1990 MODULE APPLICATION CHART

APPLICATION	ENGINE	MODULE TYPE	MODULE LOCATION	SERVICE PART NUMBER
F & B Series	8.1L & 7.0L	EMW	Mounted in the IP	E5TZ-12B514-C (1000 Hr) or E5TZ-12B514-A (2000 Hr)

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PART NUMBER	PART NAME	CLASS
E5TZ-12B514-C	EMW Module - 1000 Hr	BM
E5TZ-12B514-A	EMW Module - 2000 Hr	AM
E7TZ-12B514-A	COMBO Module	BM

OTHER APPLICABLE ARTICLES: None
WARRANTY STATUS: INFORMATION ONLY
OASIS CODES: 2300, 2500