

- **NOISE—“TICKING” OCCURS ON INITIAL STARTUP WITH SHIFT SELECTOR IN “P” OR “N” POSITION—VEHICLES WITH E4OD/4R100 TRANSMISSION AND BUILT THROUGH 6/11/98**
- **TRANSMISSION—E4OD/4R100—“TICKING” NOISE OCCURS ON INITIAL STARTUP WITH SHIFT SELECTOR IN “P” OR “N” POSITION—VEHICLES BUILT THROUGH 6/11/98**

**Article No.
98-20-9**

FORD: 1998 ECONOLINE, EXPEDITION, F-150, F-250 LD
1999 F-250 HD, F-350, SUPER DUTY F SERIES

LINCOLN: 1998 NAVIGATOR

ISSUE

A “ticking” noise on initial startup with shift selector in “P” or “N” position may occur on some vehicles. This may be caused by the overdrive clutch steel separator plate(s) impacting against the case internal spline.

ACTION

Replace the specified transmission components per the following Service Procedure.

NOTE

THE TICKING NOISE TYPICALLY IS ONLY PRESENT DURING INITIAL STARTUP AFTER THE VEHICLE HAS SOAKED LONG ENOUGH FOR THE TRANSMISSION FLUID TEMPERATURE TO REACH NEAR THE AMBIENT TEMPERATURE. THIS NOISE MAY BE HEARD INTERMITTENTLY DURING NORMAL OPERATING TEMPERATURES IN OTHER GEAR RANGES.

SERVICE PROCEDURE

1. Verify vehicle's build date (Job #1 built through 6/11/98).
2. Allow vehicle to soak long enough (possibly overnight) that the transmission fluid temperature is near the ambient temperature. Perform initial cold startup.
3. Verify ticking noise with the transmission shift selector in “P” (Park) and “N” (Neutral).

4. When ticking noise is confirmed, refer to the Transmission Hardware Application Chart to update transmission hardware as indicated by vehicle/engine application.

NOTE

FOLLOW ALL OF THE NORMAL SERVICE PROCEDURE AS OUTLINED IN THE APPROPRIATE WORKSHOP MANUAL.

NOTE

THE BUILD DATE LISTED MAY VARY SLIGHTLY FOR SOME VEHICLE APPLICATIONS. WHEN SERVICE IS REQUIRED ON A VEHICLE WITH THIS TICK CONCERN, IT IS RECOMMENDED THAT THE TRANSMISSION BE DISASSEMBLED DOWN TO AND INCLUDING THE COAST CLUTCH PRIOR TO PART ORDERING OR PURCHASE. THIS WILL ALLOW VERIFICATION OF THE CORRECT PARTS REQUIRED.

INSPECT THE COAST CLUTCH WHEN REMOVED. IF THE COAST CLUTCH CYLINDER IS THE NEW DESIGN STAMPED, WELDED STEEL USE THE -BA LEVEL OVERDRIVE PLATES (REFER TO THE APPLICATION CHART). IF THE COAST CLUTCH CYLINDER IS THE PREVIOUS E4OD CAST IRON DESIGN USE THE -CA LEVEL OVERDRIVE PLATES AND ANY OTHER ASSOCIATED PARTS RECOMMENDED IN THE TRANSMISSION HARDWARE APPLICATION CHART.

Article No. 98-20-9 Cont'd.

TRANSMISSION HARDWARE APPLICATION		
Application	New Accumulator Assembly	New Overdrive Friction Plate
5.4L 1998 Expedition/Navigator	F8UZ-7G422-AA (Orange)	F81Z-7B164-CA
5.4L 1998 E-Series LD	F8UZ-7G422-AA (Orange)	F81Z-7B164-CA
5.4L 1998 F-Series LD	F8UZ-7G422-AA (Orange)	F81Z-7B164-CA
5.4L 1999 F-Series HD	F8UZ-7G422-BA (Purple)	F81Z-7B164-CA
6.8L 1998 E-Series	F8UZ-7G422-CA (Yellow)	F81Z-7B164-CA
6.8L 1999 F-Series HD	Not Required	F81Z-7B164-CA
6.8L 1999 F-Series HD With PTO	Not Required	F81Z-7B164-BA
7.3L 1998 E-Series	F8UZ-7G422-DA (Black)	F81Z-7B164-BA
7.3L 1999 F-Series HD	Not Required	F81Z-7B164-BA

CAUTION

MIXING COMPONENTS LISTED IN THIS CHART MAY CAUSE TRANSMISSION SHIFT CONCERNS AND/OR DAMAGE.

CAUTION

USING COMPONENTS OTHER THAN AS LISTED IN THIS CHART MAY CAUSE TRANSMISSION SHIFT CONCERNS AND/OR DAMAGE.

OTHER APPLICABLE ARTICLES: NONE

WARRANTY STATUS: Eligible Under The Provisions Of Bumper To Bumper Warranty Coverage

OPERATION	DESCRIPTION	TIME
982009A	Replace Specific Transmission Hardware - F-Series LD 4X2 5.4L	5.0 Hrs.
982009B	Replace Specific Transmission Hardware - F-Series LD 4X4 5.4L	6.8 Hrs.

982009C	Replace Specific Transmission Hardware - Expedition/Navigator 4X2 5.4L	5.0 Hrs.
982009D	Replace Specific Transmission Hardware - Expedition/Navigator 4X4 5.4L	6.8 Hrs.
982009E	Extra Time To Adjust Four-Wheel Air Suspension Ride Height - Expedition/Navigator Only	0.4 Hr.
982009F	Replace Specific Transmission Hardware - E-Series 5.4L or 6.8L	4.6 Hrs.
982009G	Replace Specific Transmission Hardware - E-Series 7.3L	4.1 Hrs.
982009H	Replace Specific Transmission Hardware - F-Series HD 4X2 5.4L Or 6.8L	3.9 Hrs.
982009I	Replace Specific Transmission Hardware - F-Series HD 4X4 5.4L Or 6.8L	4.6 Hrs.
982009J	Replace Specific Transmission Hardware - F-Series HD 4X2 7.3L	3.8 Hrs.
982009K	Replace Specific Transmission Hardware - F-Series HD 4X4 7.3L	4.6 Hrs.

DEALER CODING

BASIC PART NO.	CONDITION CODE
7B164	07
7G422	07
OASIS CODES: 504000, 597997, 702000	