



Technical Service Information

FORD F4EAT

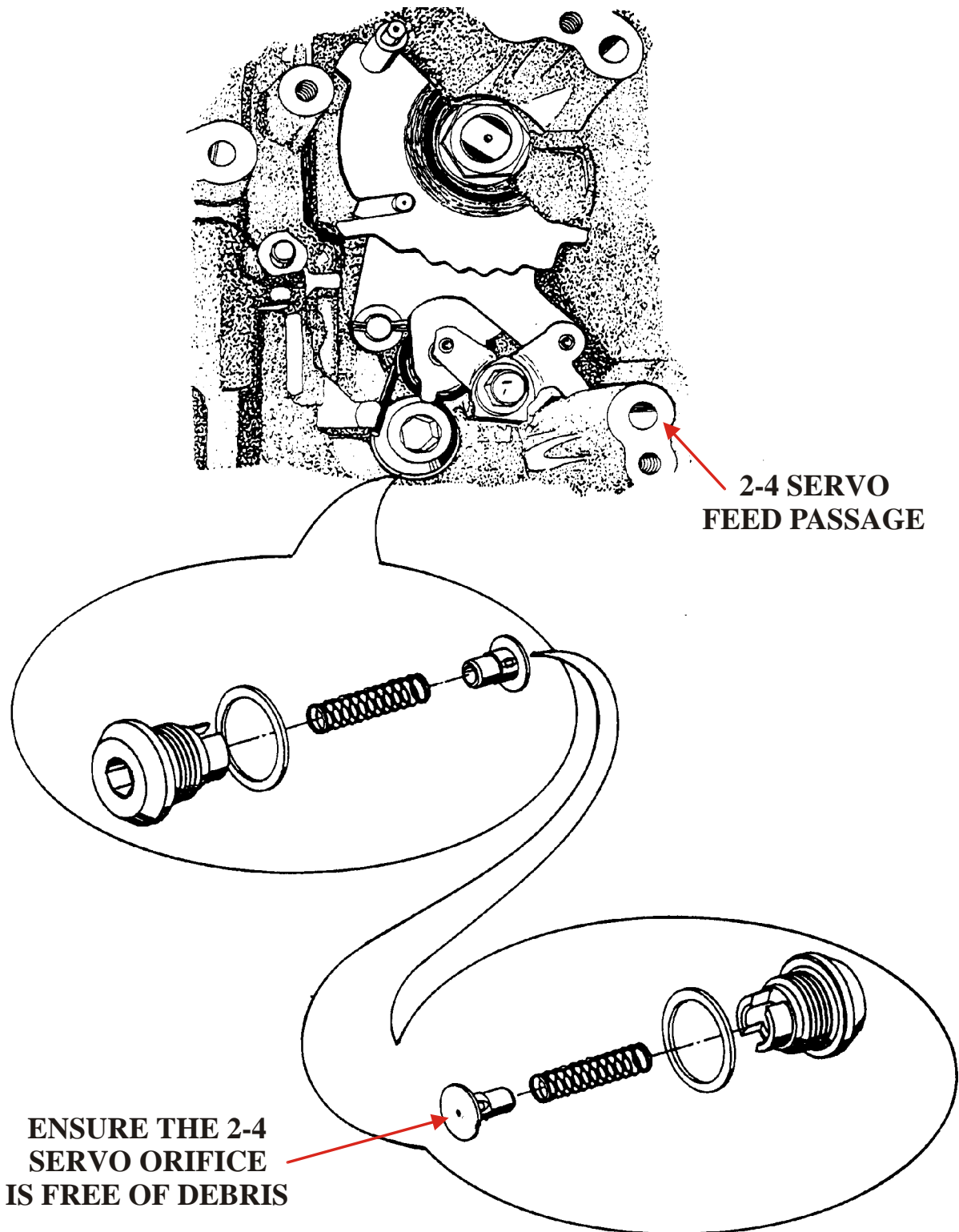
SLIPPING IN 2ND AND 4TH AND/OR NO 2ND AND 4TH

COMPLAINT: Vehicle exhibits a slipping condition going into 2nd gear, at times slipping through 2nd and on into 3rd gear, and a slipping condition going into 4th gear. Obviously this will also burn the 2-4 band. In severe conditions there will be NO 2nd gear, and NO 4th gear. The vehicle will shift 1-3 only.

CAUSE: The cause may be a clogged or partially clogged 2-4 servo feed orifice. The 2-4 servo feed orifice is only .038" in diameter, and will not tolerate much debris before the slipping condition will exist. If the 2-4 servo orifice becomes totally closed, there will be NO 2nd gear, and NO 4th gear.
Another cause for NO 2nd and NO 4th gears could be a checkball that has been installed in the wrong location in the Premain valve body, as shown in Figure 2.

CORRECTION: Remove the 2-4 servo feed orifice assembly using a 10mm Hex socket. Refer to Figure 1 for the location in the case. Thoroughly clean the 2-4 servo orifice and all case passages with clean solvent. The spring in this assembly is larger on one end, and the larger end goes into the Hex bolt (See Figure 1).
Also ensure that you have only TWO .243" diameter checkballs installed into the Premain valve body, in the locations shown in Figure 2.

2-4 SERVO ORIFICE LOCATION



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Figure 1

