



Technical Service Information

FORD AX4N-4F50N 1999-UP DELAYED REVERSE ENGAGEMENT-SLIPS IN REVERSE

COMPLAINT: 1. Some 2004 model year Ford Motor Company vehicles equipped with the 4F50N transaxle may come into the shop with a complaint of a delayed reverse engagement, or a slipping in reverse condition.

2. After overhaul, some 1999- up Ford Motor Company vehicles equipped with the AX4N-4F50N transaxle, may exhibit a delayed reverse engagement, or a slipping in reverse condition.

CAUSE: 1. Upon transaxle disassembly it may be observed that the channel plate gasket may be damaged at the N-R accumulator. (See Figure 1) This damage causes a fluid pressure loss to the reverse clutch pack resulting in either a delayed reverse engagement, or a slipping in reverse condition.

2. During overhaul, the wrong channel cover gasket may have been installed. For the model year 2004, the bore in the case where the N-R accumulator is was increased in diameter, and the channel plate gasket inside diameter was increased to accommodate the change.

CORRECTION: 1. Currently all of the 2004-up channel plate gaskets that are now available have been updated to a new design level to prevent this problem from re-occurring. It appears that a change to the composition of the gasket material was made.

2. During overhaul, make sure to use the proper channel plate gasket for your application. The 1999-2003 gasket is shown for identification (See Figure 2). The 2004-up gasket is shown for identification (See Figure 3).

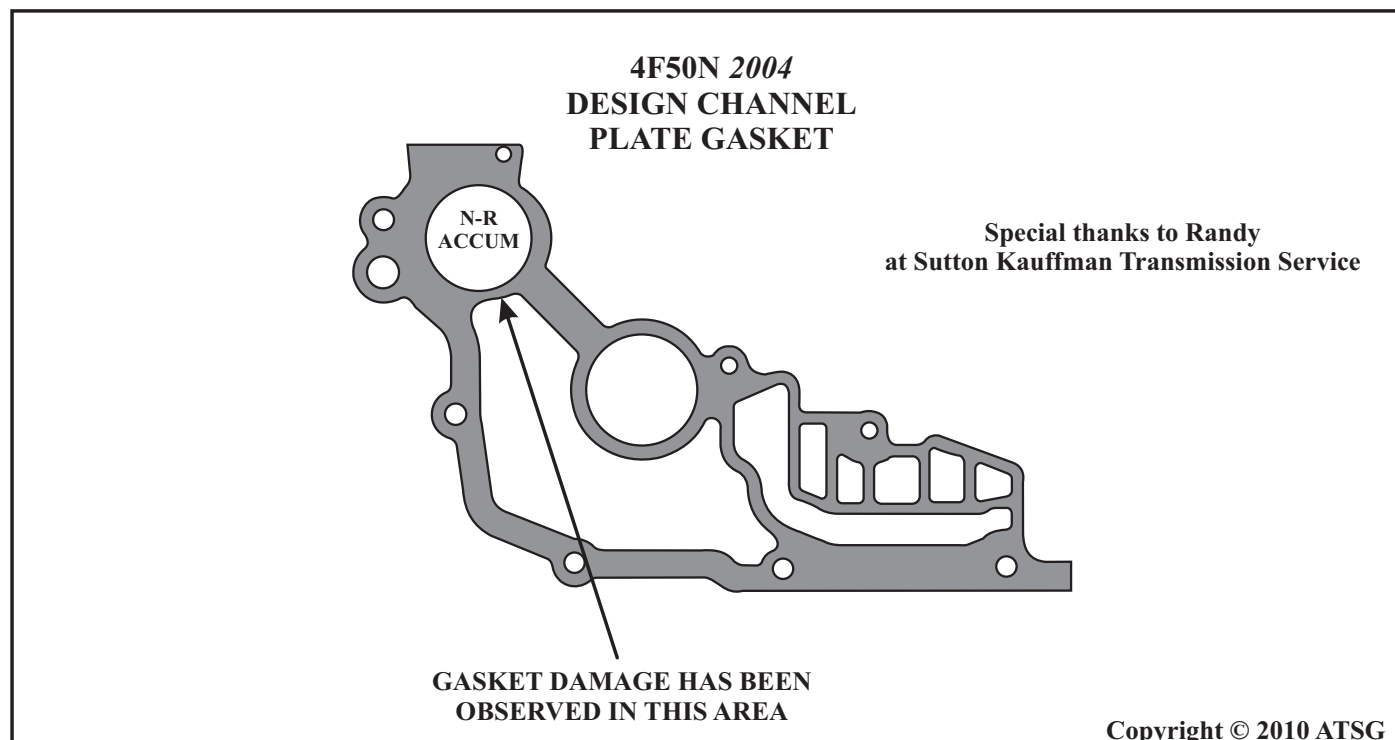


Figure 1

AX4N-4F50N 1999-2003 CHANNEL PLATE GASKET I.D.

AX4N-4F50N 1999-2003 DESIGN CHANNEL PLATE GASKET

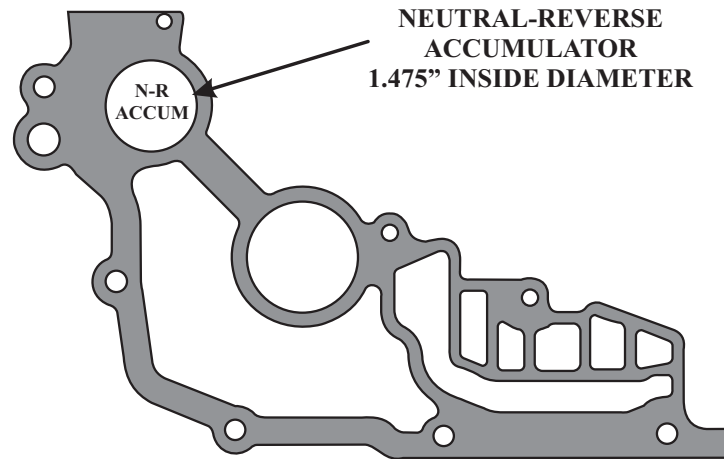
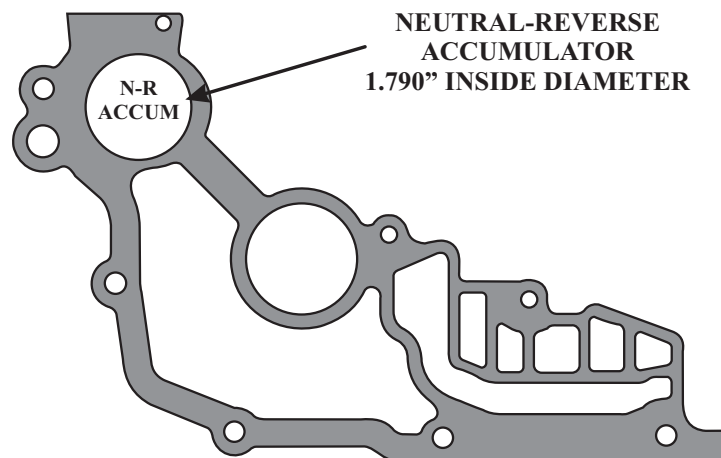


Figure 2

4F50N-2004-UP CHANNEL PLATE GASKET I.D.

4F50N 2004-UP DESIGN CHANNEL PLATE GASKET



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Figure 3