



Technical Service Information

FORD 5R55W/S OVERDRIVE CARRIER FAILURE

COMPLAINT: Upon disassembly of the transmission, the overdrive carrier is found to be discolored, it is an obvious lube circuit problem. The cooler may be flushed or bypassed during the repair procedure and the transmission is rebuilt with special attention to bushing condition and unit end play.

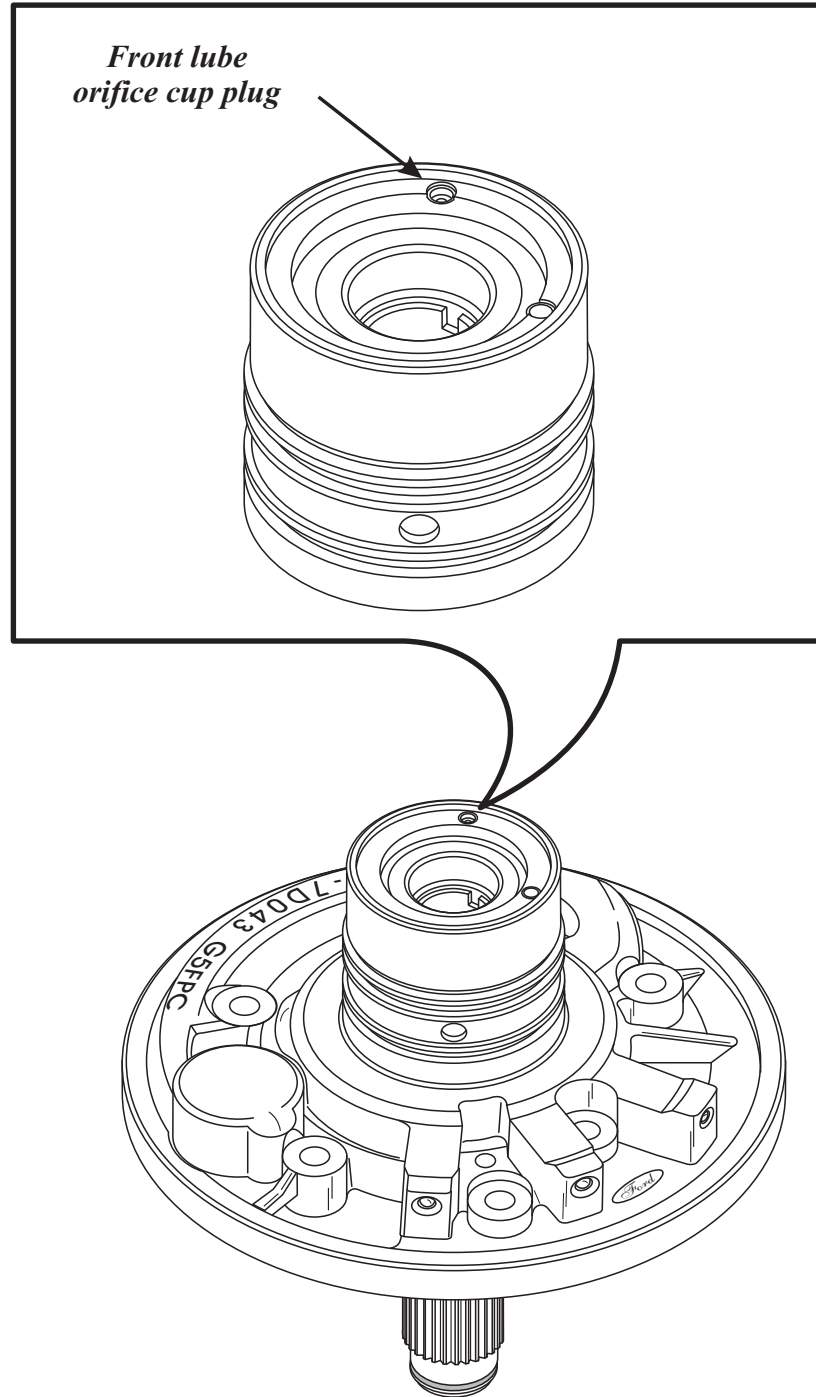
Unfortunately, the vehicle comes back in a relatively short time period, and upon transmission disassembly the replacement overdrive carrier is discolored just like the original part.

CAUSE: What was overlooked during the first rebuild was a small orifice cup plug in the top of the stator, (See Figure 1). This cup plug is part of the front lube circuit. There was debris in this passage which blocked the hole in the cup plug preventing lube oil from reaching the overdrive carrier.

CORRECTION: A standard rebuild procedure should be to blow this passage out with a rubber tipped blow gun as seen in Figure 2, and to flush with a pressurized cleaning chemical and then blow it out again until this passage is clear.

The lube orifice can be air checked to insure it is not clogged by blowing air into the passage shown in figure 3 when the pump is assembled.

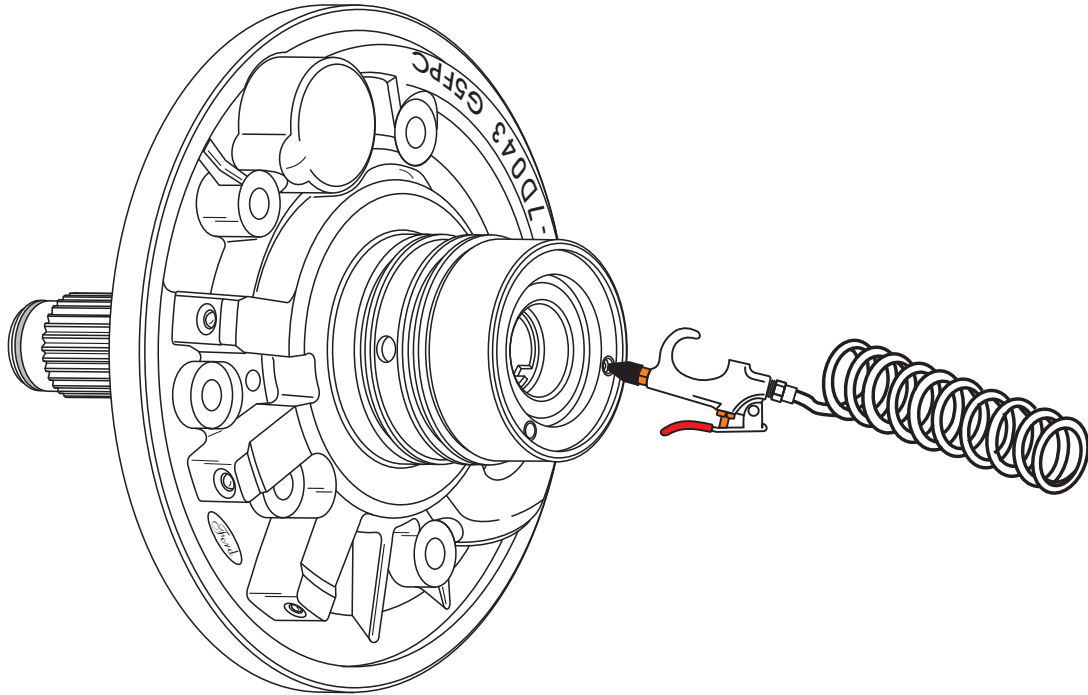
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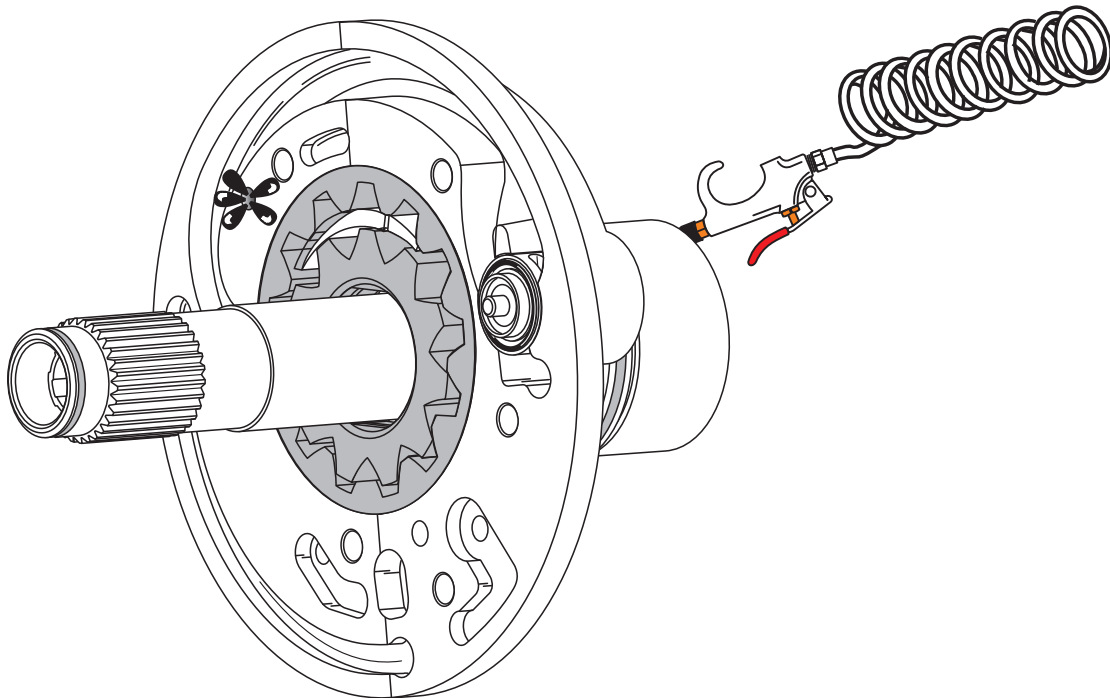
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Figure 1

FORD 5R55W/S OVERDRIVE CARRIER FAILURE



CLEAN & BLOW THROUGH THE LUBE PASSAGE UNTIL IT IS CLEAR



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Figure 2