



Technical Service Information

JR403E ELECTROMATIC

ATF LEAKING FROM THE VENT

COMPLAINT: After overhaul, during which the pump was replaced, transmission fluid is leaking from the vent. Since the pump was replaced with a good used pump, pump cavitation can be eliminated as the cause of the venting problem. Cooler flow when hot has been verified as adequate. Lockup applies at the correct time and functions normally. The transmission is not overfull.

CAUSE: The replacement pump did not match the case that it went into which is the cause of the above complaint. There are two (2) different pump and case designs and they vent differently.

CORRECTION: The case in figure 1 is an *early* case, *notice* that the vent tube is located on the driver side. The case in figure 2 is a *late* case, *notice* that the vent tube is located on the passenger side and the driver side location is cast shut. The vent hose on the late case runs through the case mounting area as seen in figure 3.

The pump mounting area in the case shown in figure 4 is a smooth mounting area encompassing the vent pipe, this is the *early* case. The pump mounting area in the case shown in figure 5 has channels cut in the pump mounting surface with the vent pipe on the opposite side of the case, this is the *late* case.

The pump shown in figure 6 is an *early* pump and goes with the *early* case, *notice* the highlighted area, it is recessed. The pump shown in figure 7 is a *late* pump and goes with the *late* case, *notice* the highlighted area, it is raised and contains air bleed holes.

The early and late pumps and cases cannot be interchanged, doing so will result in the above mentioned complaints.

SERVICE INFORMATION:

The parts mentioned in this bulletin as well as any other parts for the JR403E Electromatic or Aisin Sieki 450-43LE transmissions are available from RC Truck Parts, 305-863-3933 or E-Mail to rctrucks1@aol.com or on the web at rc-truckparts.com.

A very special thanks to Roly Farradas of Rainbow Transmission in Hialeah, FL. for sharing this information and parts to make this bulletin possible.

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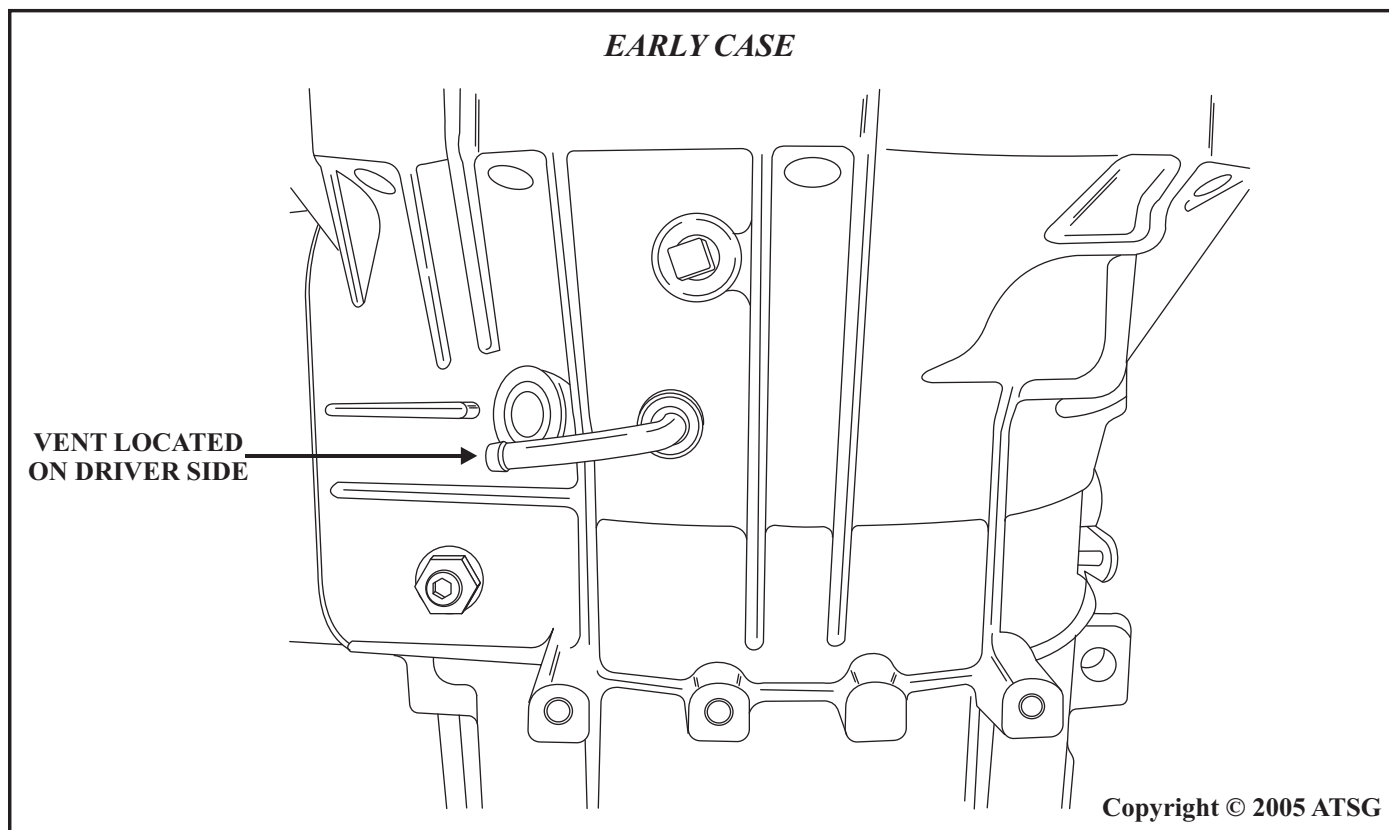


Figure 1

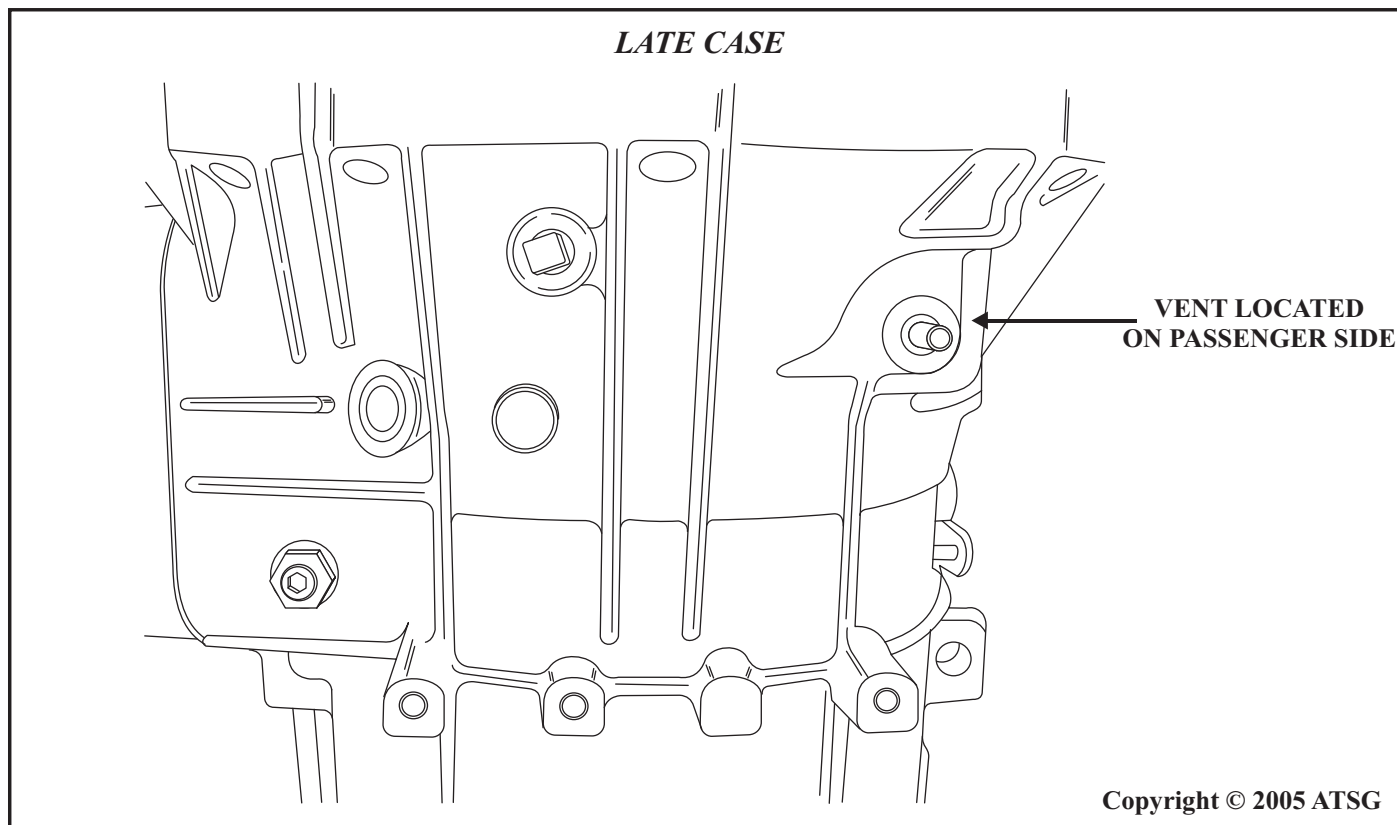


Figure 2

ATF LEAKING FROM THE VENT

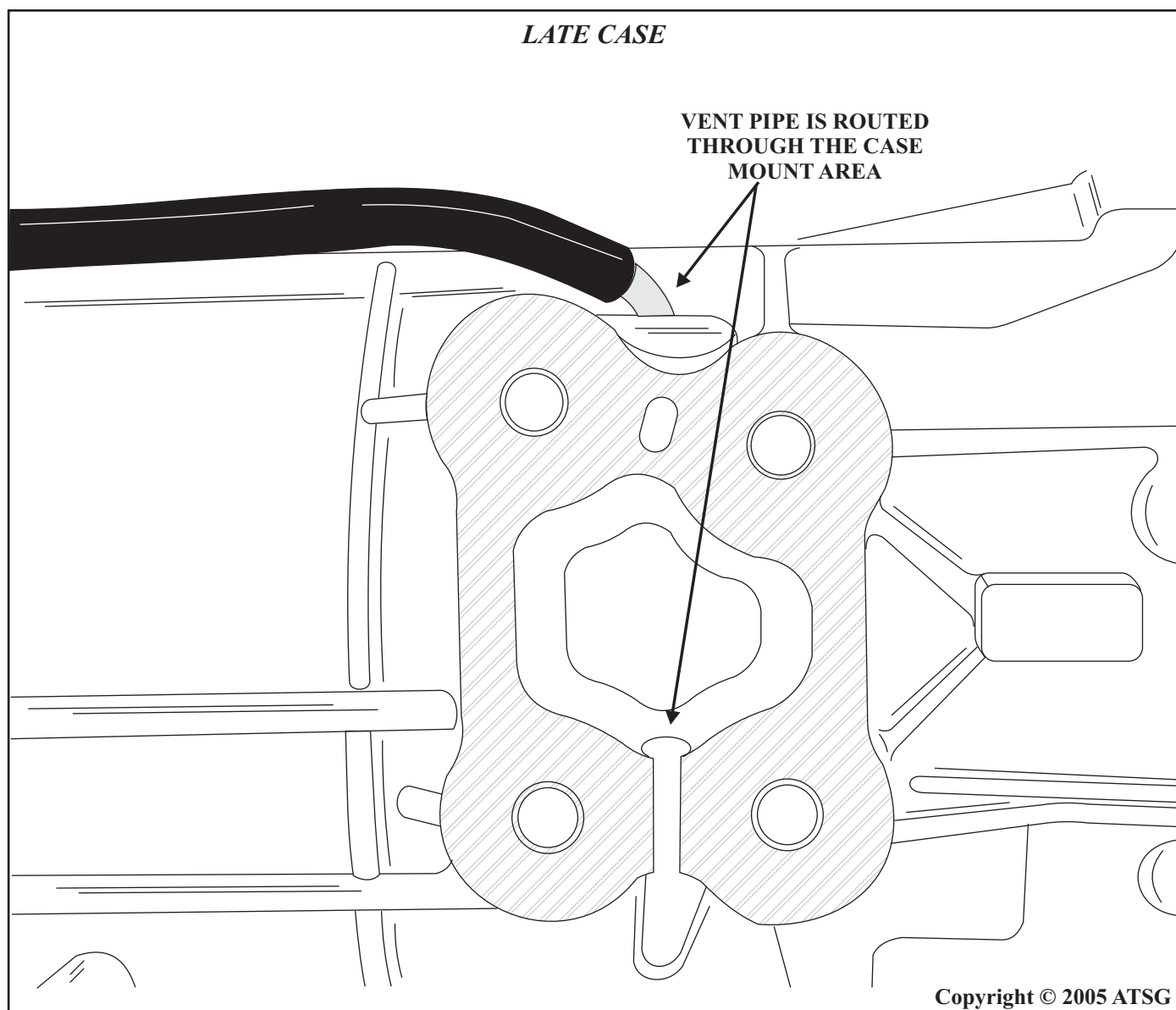


Figure 3

ATF LEAKING FROM THE VENT

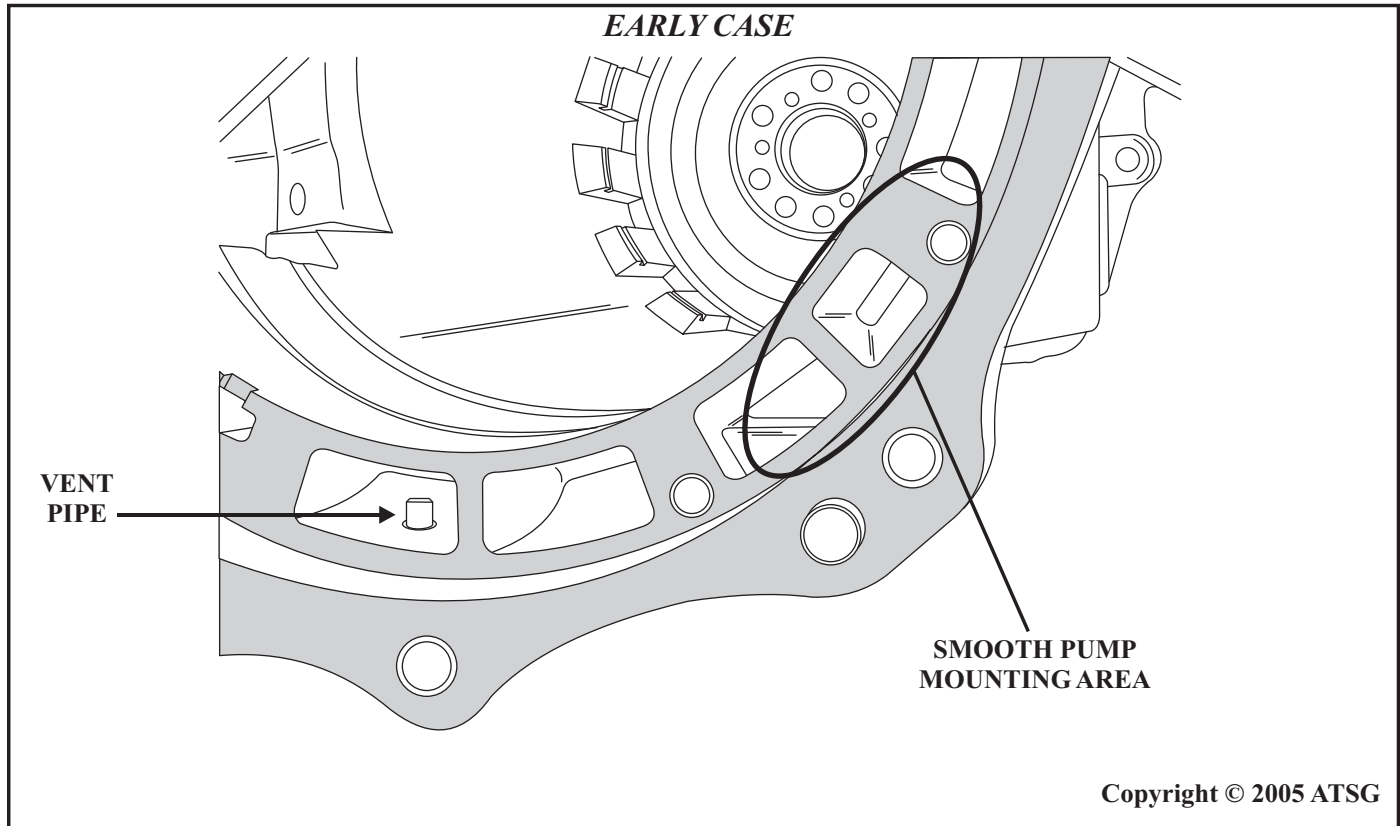


Figure 4

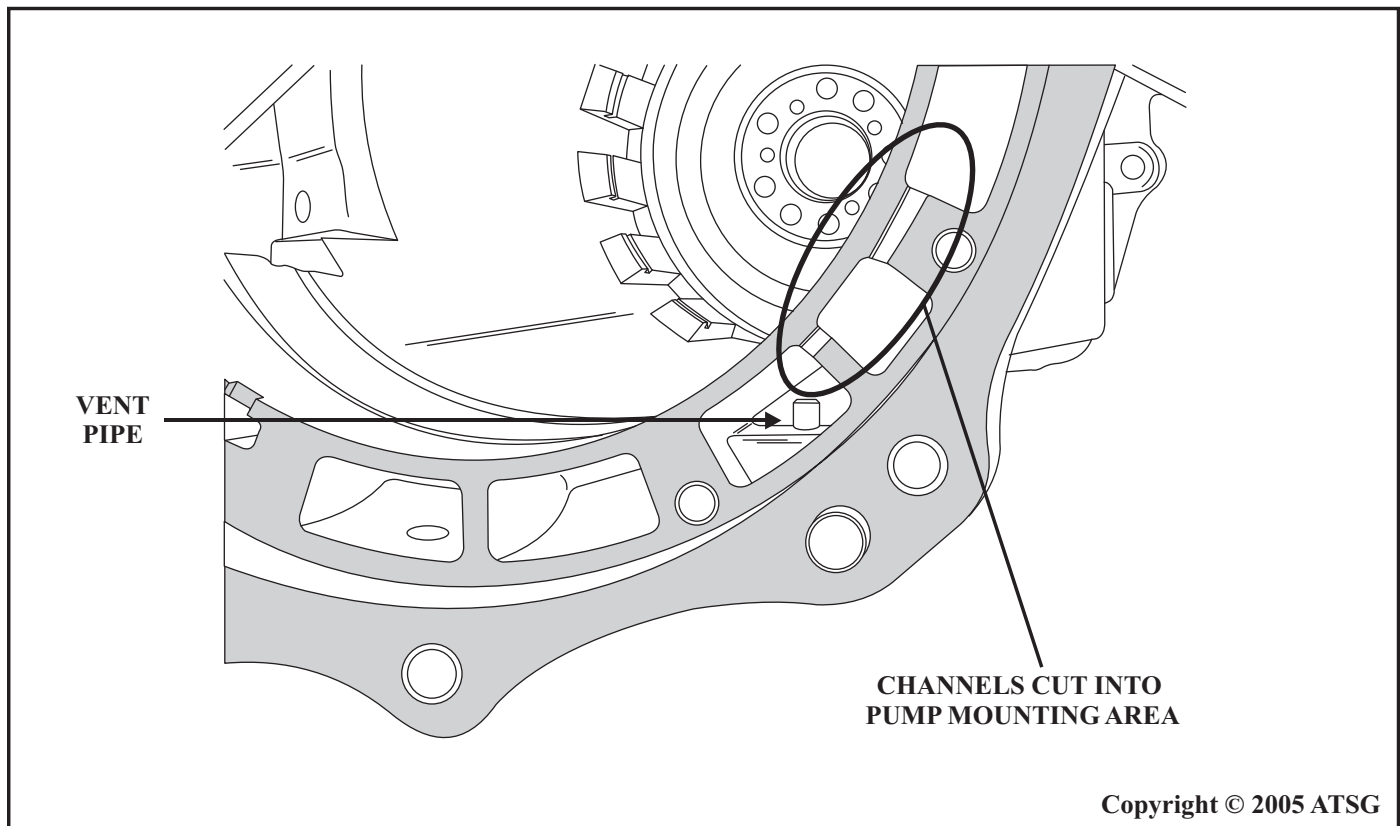


Figure 5

ATF LEAKING FROM THE VENT

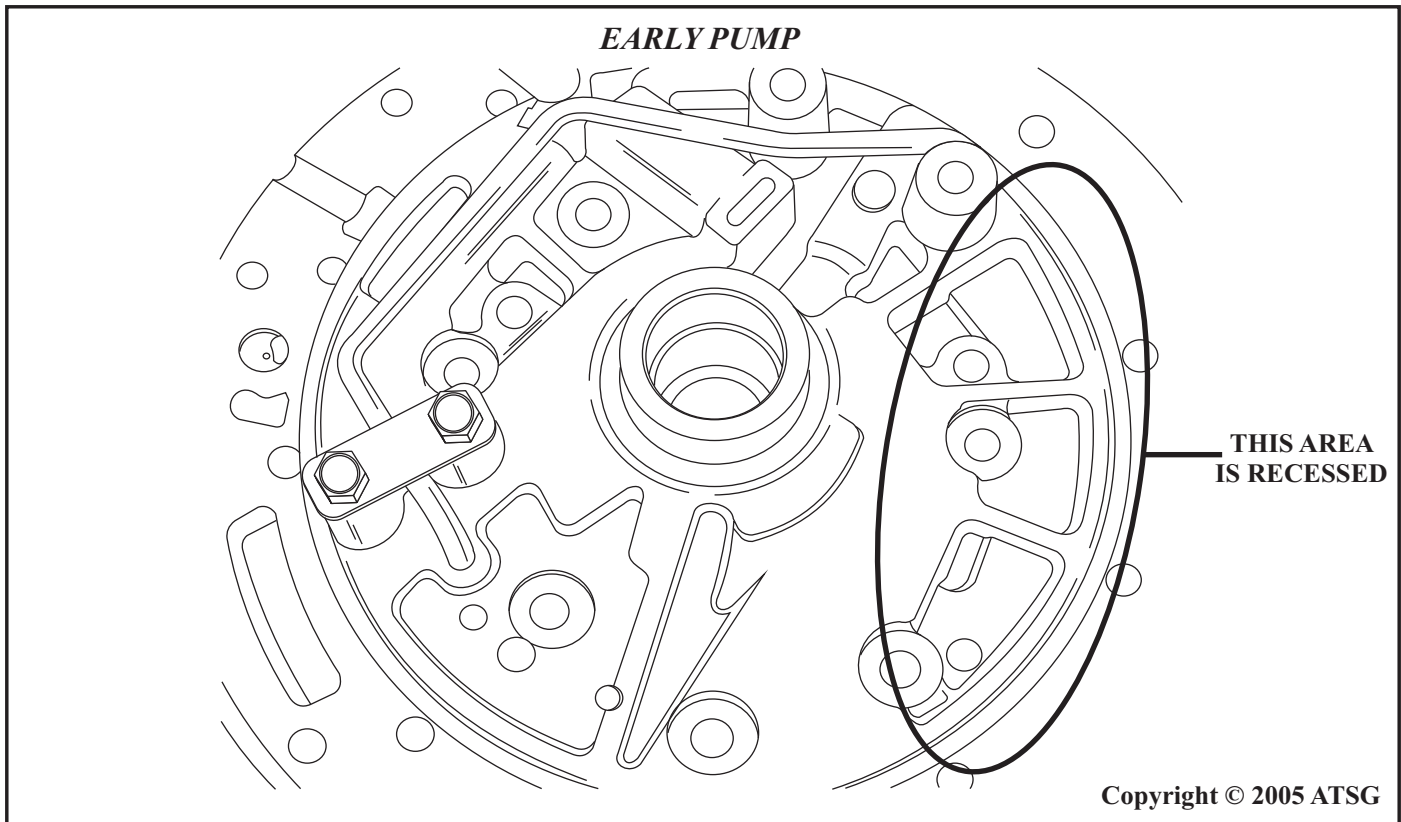


Figure 6

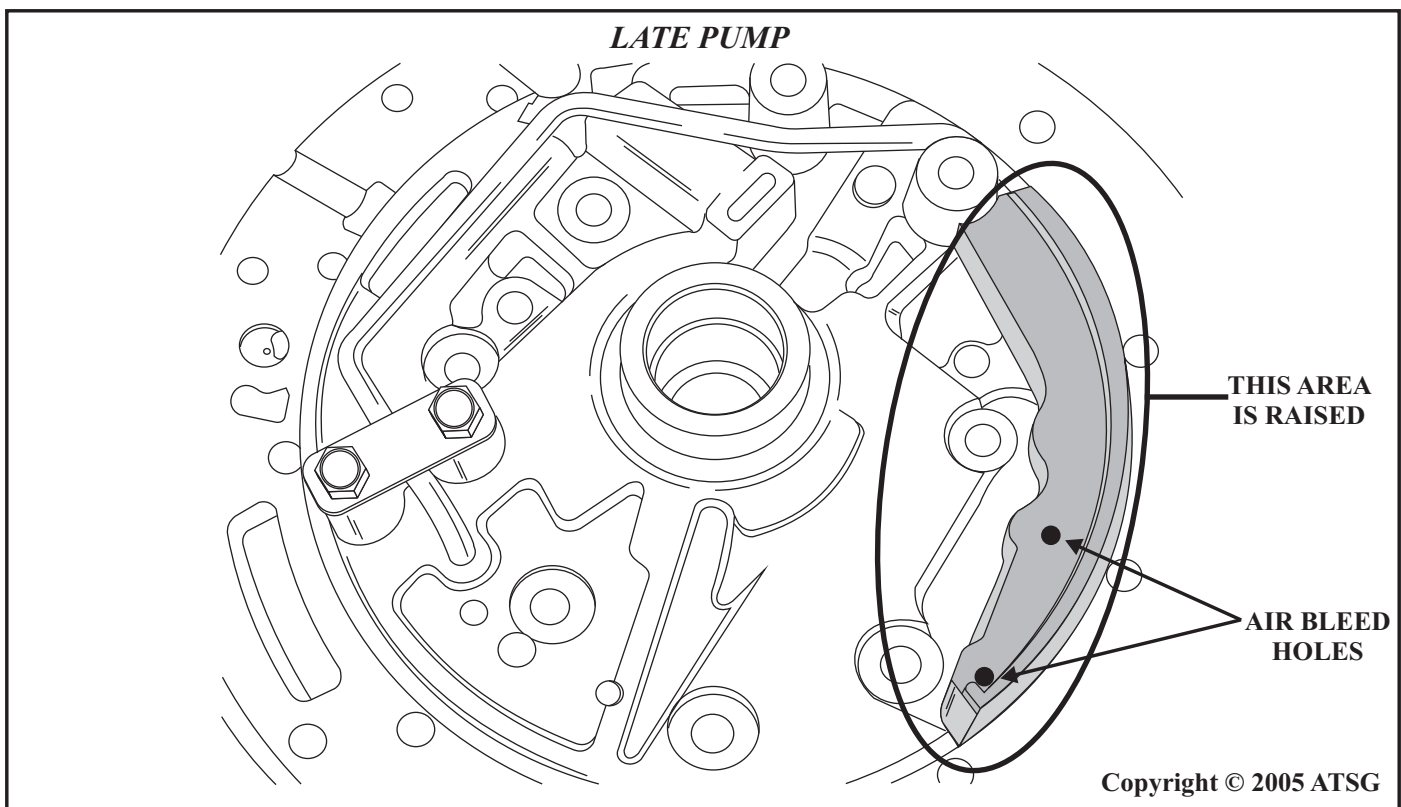


Figure 7