



# Technical Service Information

## FORD AX4S N-D DELAY/BANG 1999 & UP MODELS

**COMPLAINT:** 1999 and up Ford vehicles equipped with the AX4S transaxle may exhibit a short delay then bang when engaging any forward range.

**CAUSE:** The cause may be, a leak in the lube circuit, which is now fed directly from pump output, through an .089" orifice in the main spacer plate, as shown in Figure 1. This leak may be from a broken o-ring on the lube pipe where it fits in the case or a crack in the braised area where it feeds the support, or a damaged "orange" lube seal in the support (see Figures 2 and 3). A leak in the lube circuit may cause a low overall line pressure condition, when the PCM notices that forward has not been engaged, it will elevate line pressure causing the bang when forward is finally engaged.

**CORRECTION:** To correct this condition, ensure that the lube pipe o-ring and the braised area of the pipe are in good condition, also make sure that the "orange" seal in the support is in good condition.

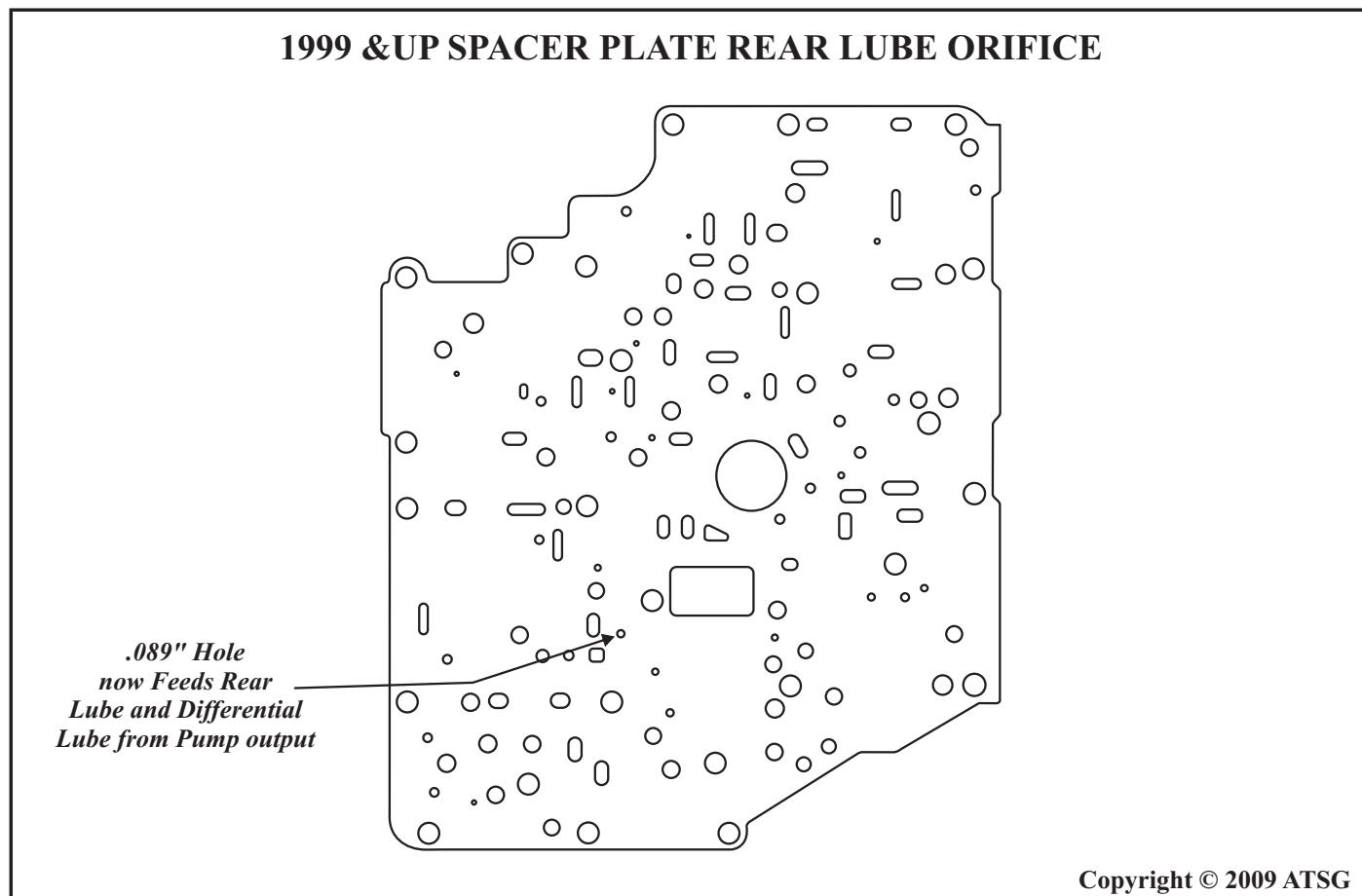
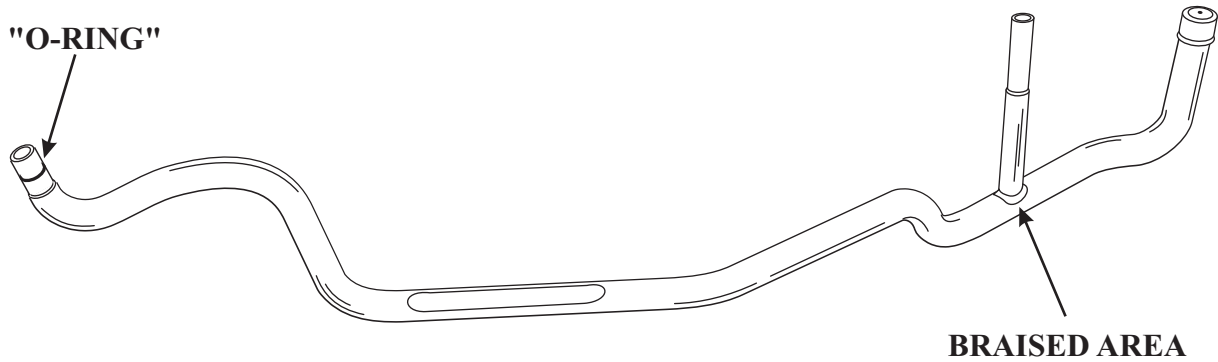


Figure 1

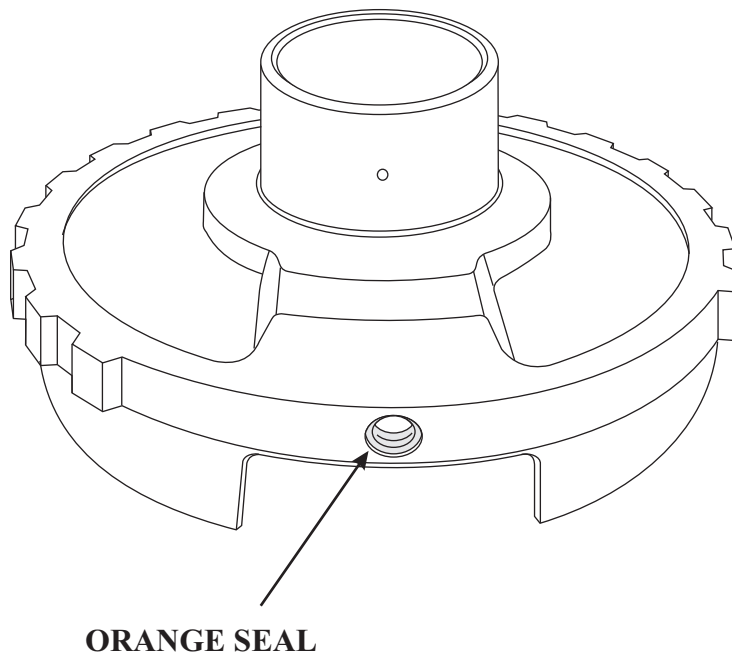
## REAR / DIFFERENTIAL LUBE PIPE



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Figure 2

## SUPPORT



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Figure 3