



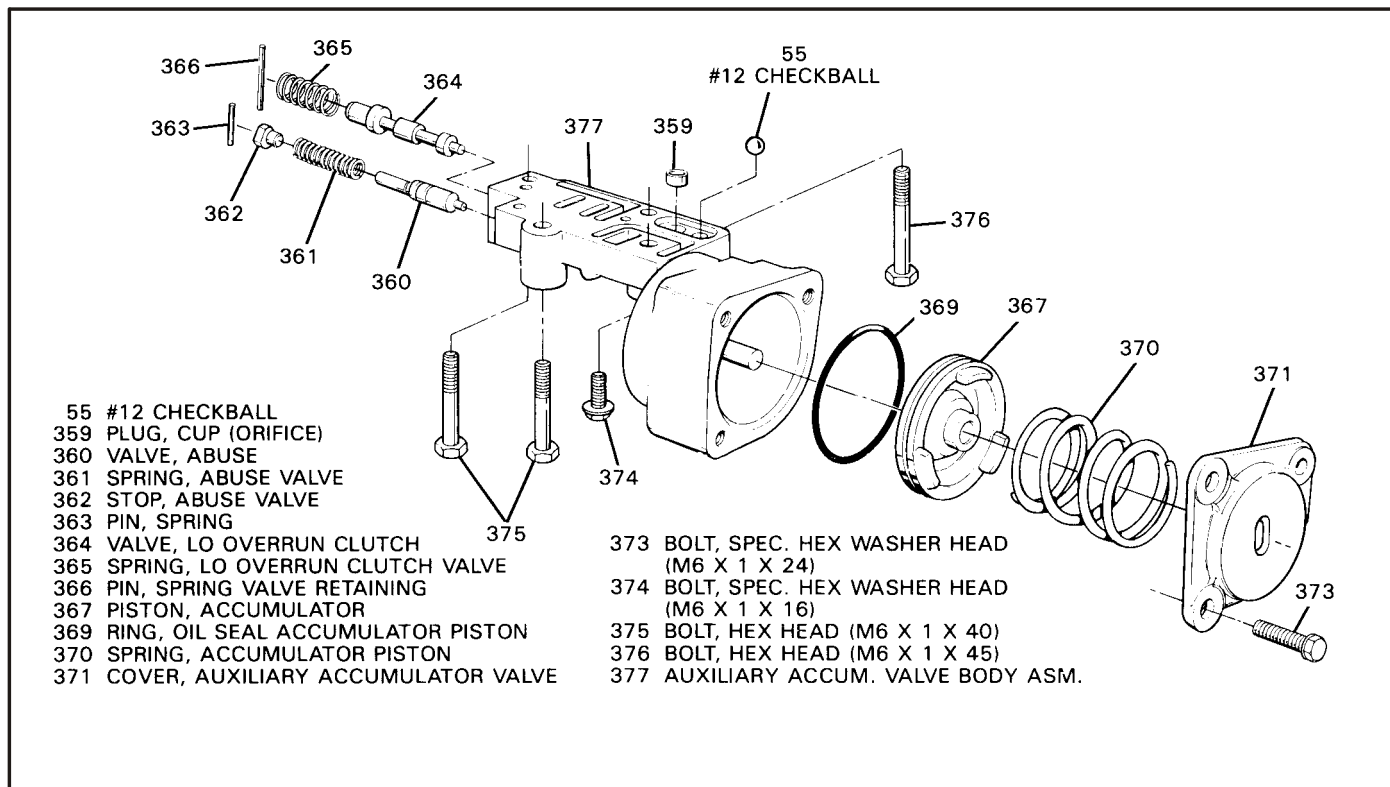
# Technical Service Information

## **THM 4L60 (700-R4) PREMATURE FORWARD CLUTCH FAILURE**

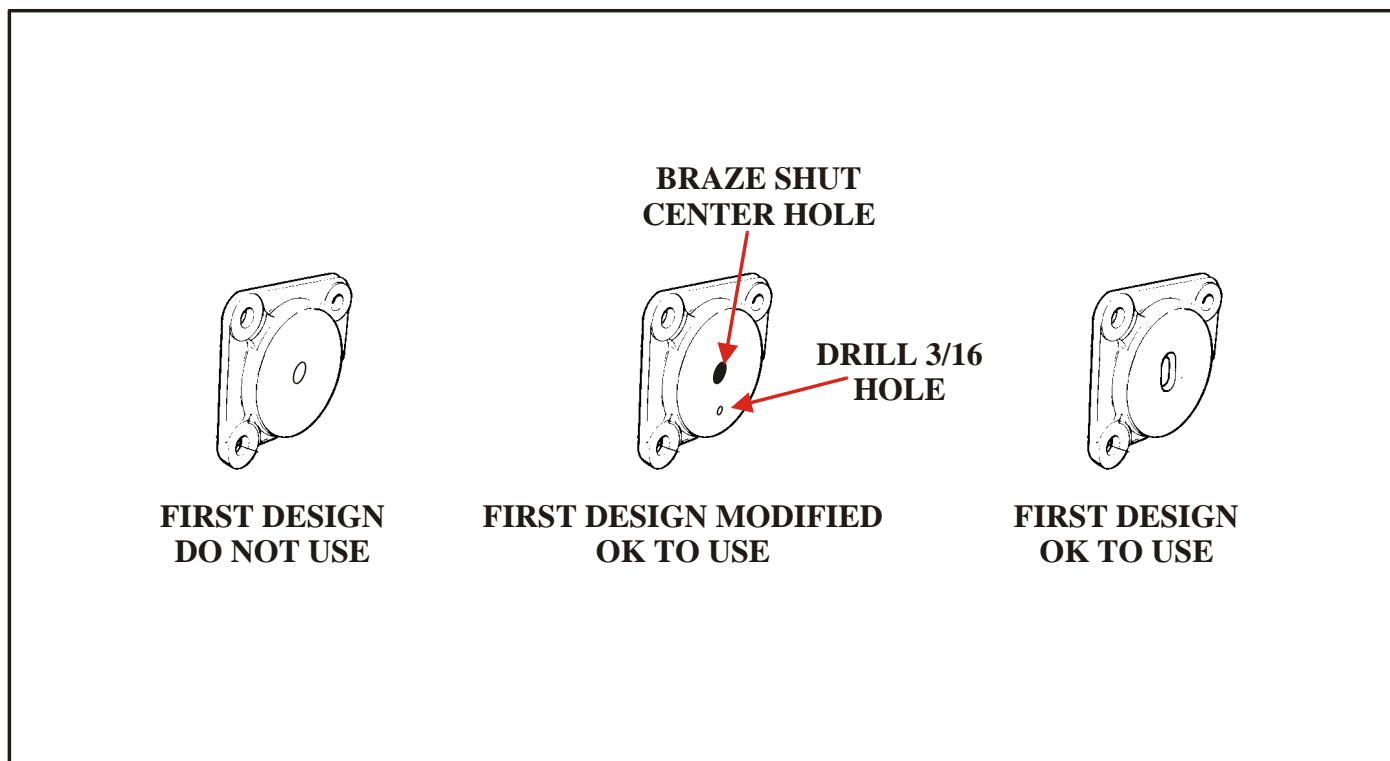
**COMPLAINT:** Premature forward clutch failure on 1987 THM 700-R4 with auxiliary valve body.

**CAUSE:** The cause could be the forward clutch accumulator pin in the auxiliary valve body moving out thru the hole in the center of the 1st design accumulator cover, and creating a loss of forward clutch oil. The original press fit of the pin was not sufficient to retain the pin in the auxiliary valve body casting.

**CORRECTION:** If you have the 1st design cover, braze shut the hole in the center of the cover and drill a 3/16" hole off center. (See Figure 1). The 2nd design cover with the oblong hole in the center is OK to use as is. If the pin has moved out the back side of the auxiliary valve body, a simple "staking" process will prevent it from moving that direction again. The 2nd design auxiliary valve body casting has a step machined in that area to prevent the pin from moving.



**Figure 1**



**Figure 2**