

LAND ROVER ZF9HP48 JUMPS OUT OF PARK

COMPLAINT: A 2019 Land Rover EVO comes into the shop with a ZF9HP48 transmission needing to be rebuilt. Once it was rebuilt and installed, the shifter would pop out of park and sets DTC P07E4 which means it is unable to engage park. Even with the harness disconnected from the transmission, park would not engage. The tech chose to replace the park solenoid which did not remedy the problem.

CAUSE: The valve body was then removed for further inspection when the park cylinder valve (PCV 1) was found to be stuck inboard. This is what caused the jumping out of park complaint after rebuild.

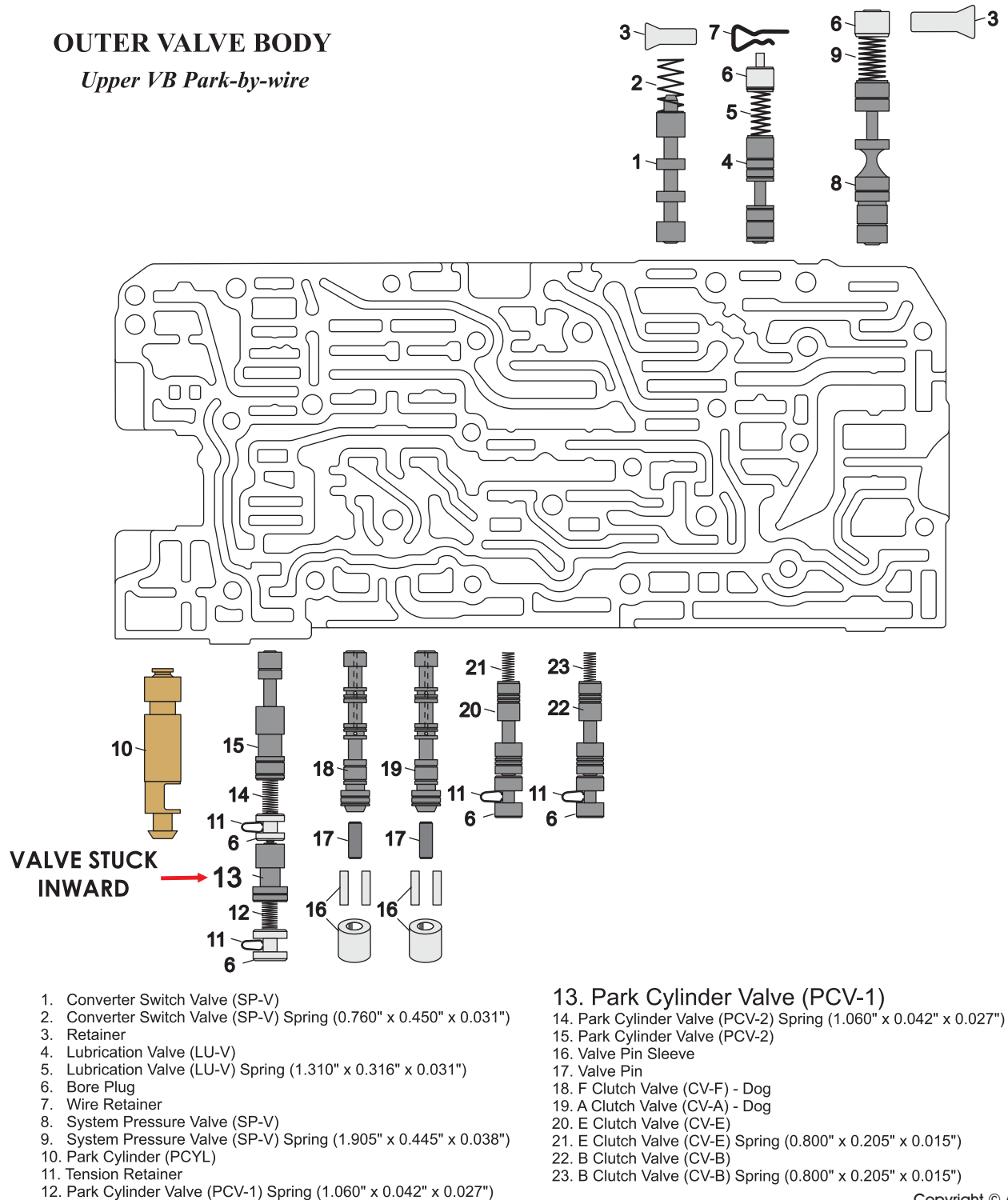
CORRECTION: Free up the park cylinder valve (PCV 1) (figure 1).

Thanks to to John at John Meenan Transmissions for sharing his experience with ATSG.

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OUTER VALVE BODY

Upper VB Park-by-wire



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Figure 1