

CHEVROLET SPARK CVT7 (JF015E)

NO CONVERTER CLUTCH APPLICATION

COMPLAINT: A 2016 Chevrolet Spark equipped with a CVT7 (JF015E) has a complaint of the torque converter clutch not applying and diagnostic trouble code P0741 was stored in the TCM.

Since this code is usually generated by a mechanical or hydraulic problem in the converter clutch system, the shop decided it was an internal transmission problem and opted to install a low mileage cutout.

On the initial road test after repairs, the code reset immediately and there was no converter clutch application. The shop had the converter cut open for inspection and it was in pristine condition.

CAUSE: The shop felt that the only other logical step was to replace the Transmission Control Module (figure 1).

CORRECTION: Once the TCM was replaced, the converter clutch applied correctly and P0741 no longer set.

NOTE: It is very unusual to have a computer fix a mechanically generated code, in this case it did.....Never Say Never.

The original TCM was opened to see if the cause of the problem was visible (figure 2). At first glance nothing was obvious. But, after closer scrutiny, a break was found in what would be the converter clutch solenoid circuit, yet an electrical solenoid code was never set (figure 3).

A special thank you to Max from King Transmission for the photos and for sharing his experience with ATSG.

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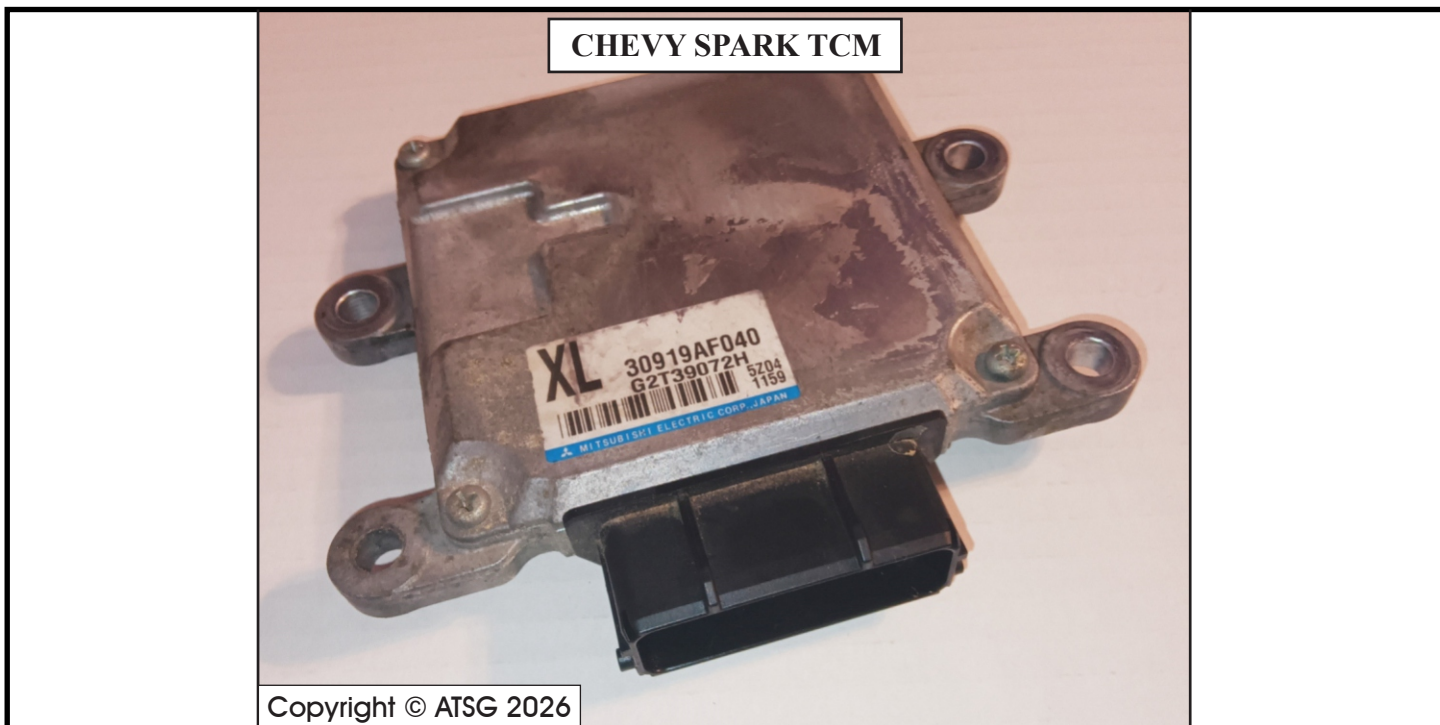


Figure 1

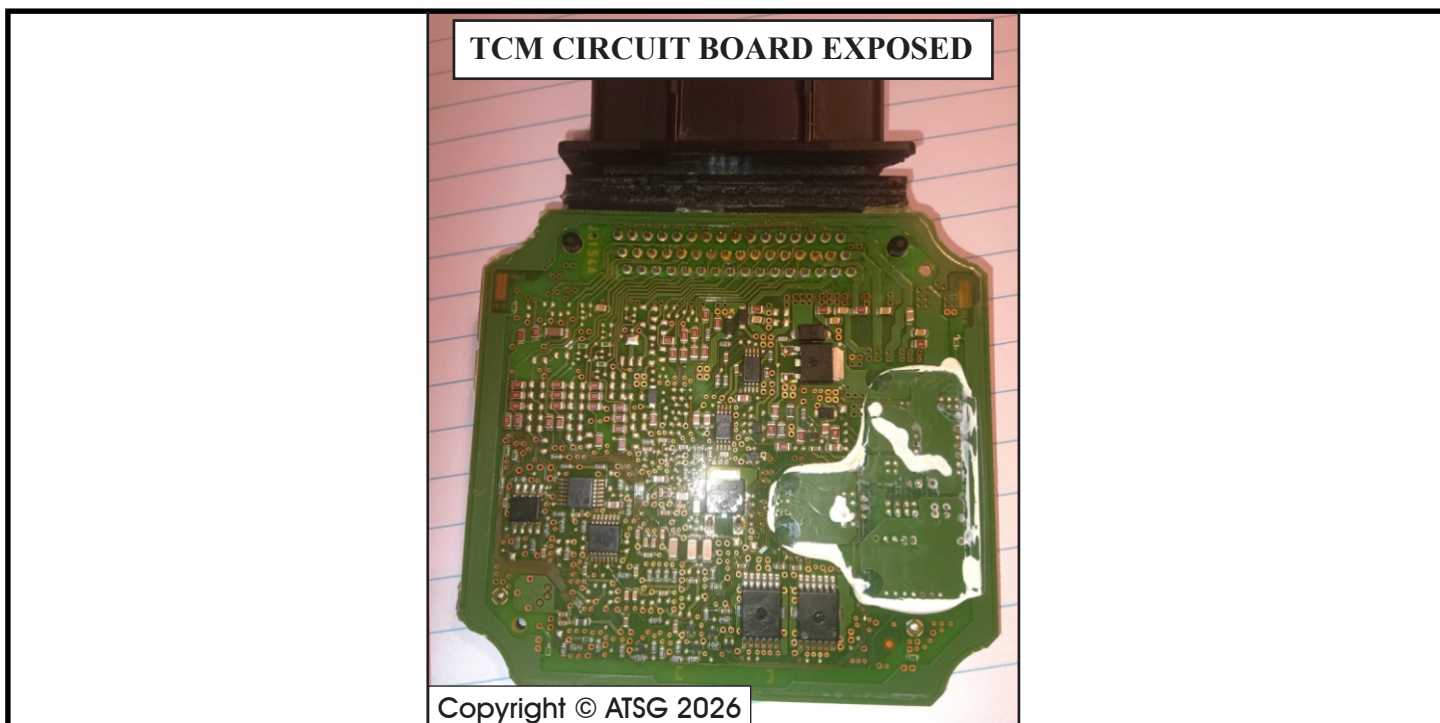


Figure 2

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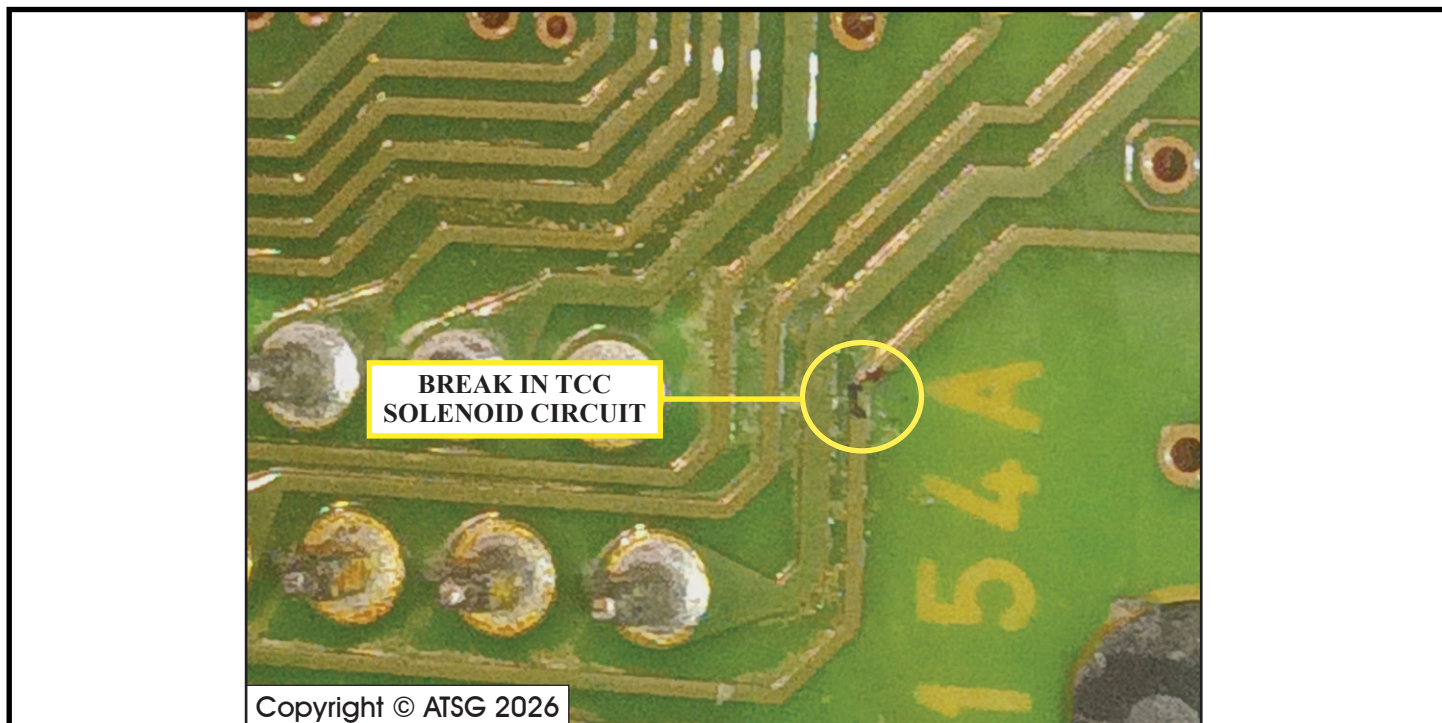


Figure 3