



# Technical Service Information

## 6T40 HYBRID LOSS OF LINE PRESSURE

**COMPLAINT:** After overhaul, a GM vehicle equipped with the 6T40 that has the Stop/Start feature transmission has a complaint of little or no movement. A line pressure check reveals extremely low pressure. The technician disconnected the transmission case connector to see what effect that would have on line pressure, it was negligible.

**CAUSE #1:** Once the transmission was removed and inspected, the reason for the lack of pressure was found. This version of the 6T40 utilizes an auxiliary fluid pump to provide pressure for the transmission when the engine shuts off. This ensures that there will be no delay in vehicle movement. The 6T40 Stop/Start transmission requires an additional seal that a non-Stop/Start model does not use.

That is an auxiliary fluid pump seal that is located between the main pump assembly and the torque converter housing which is shown in figure 1. The omission of this seal will cause a huge leak in the line pressure oil circuit resulting in the above mentioned complaint.

**CAUSE #2:** The Stop/Start Feed Pipe has cracked where it enters the transmission and is leaking down along side the valve body cover, refer to figure 2.

**CORRECTION #1:** If a 6T40 with the Stop/Start feature is being built, be sure to install the auxiliary fluid pump seal in the location shown in figure 1.

A 6T40 Stop/Start transmission can be recognized by the presence of an electric pump motor on top of the transmission as seen in figure 2. The transmission will also have a pressure supply pipe across the rear of the transmission also seen in figure 2.

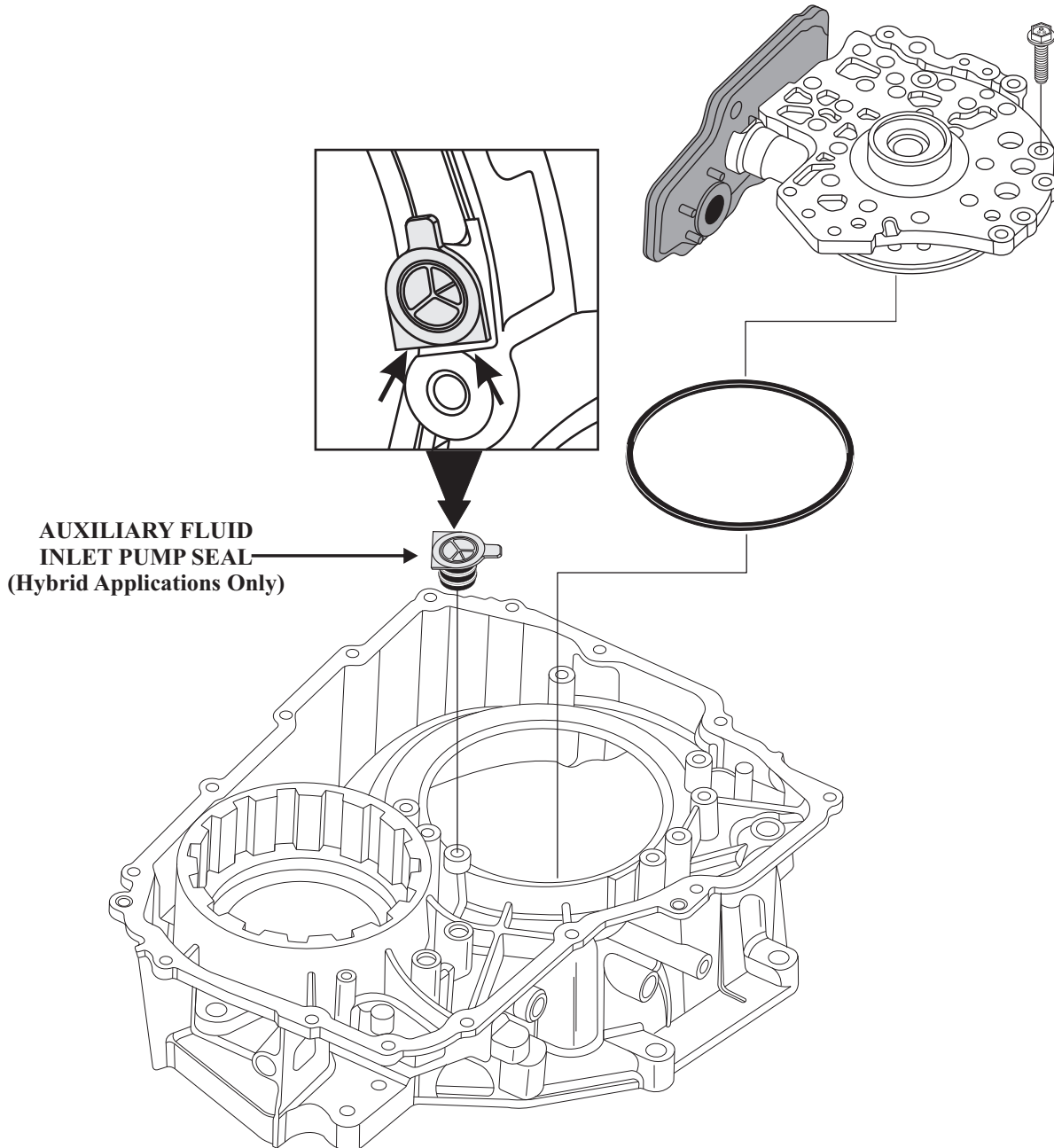
**CORRECTION #2:** Replace the Stop/Start Feed Pipe with a new pipe using GM part number **24293148**.

**NOTE:** *The Stop/Start Feed Pipe should be replaced during every rebuild as it is a common failure item.*

*Do not mistake the auxiliary fluid pump for the high pressure accumulator that is used for the hybrid model which is positioned in the same location.*

## 6T40 HYBRID LOSS OF LINE PRESSURE

### 6T40 HYBRID AUXILIARY FLUID PUMP SEAL



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Figure 1

## 6T40 HYBRID LOSS OF LINE PRESSURE

### 6T40 HYBRID TRANSMISSION

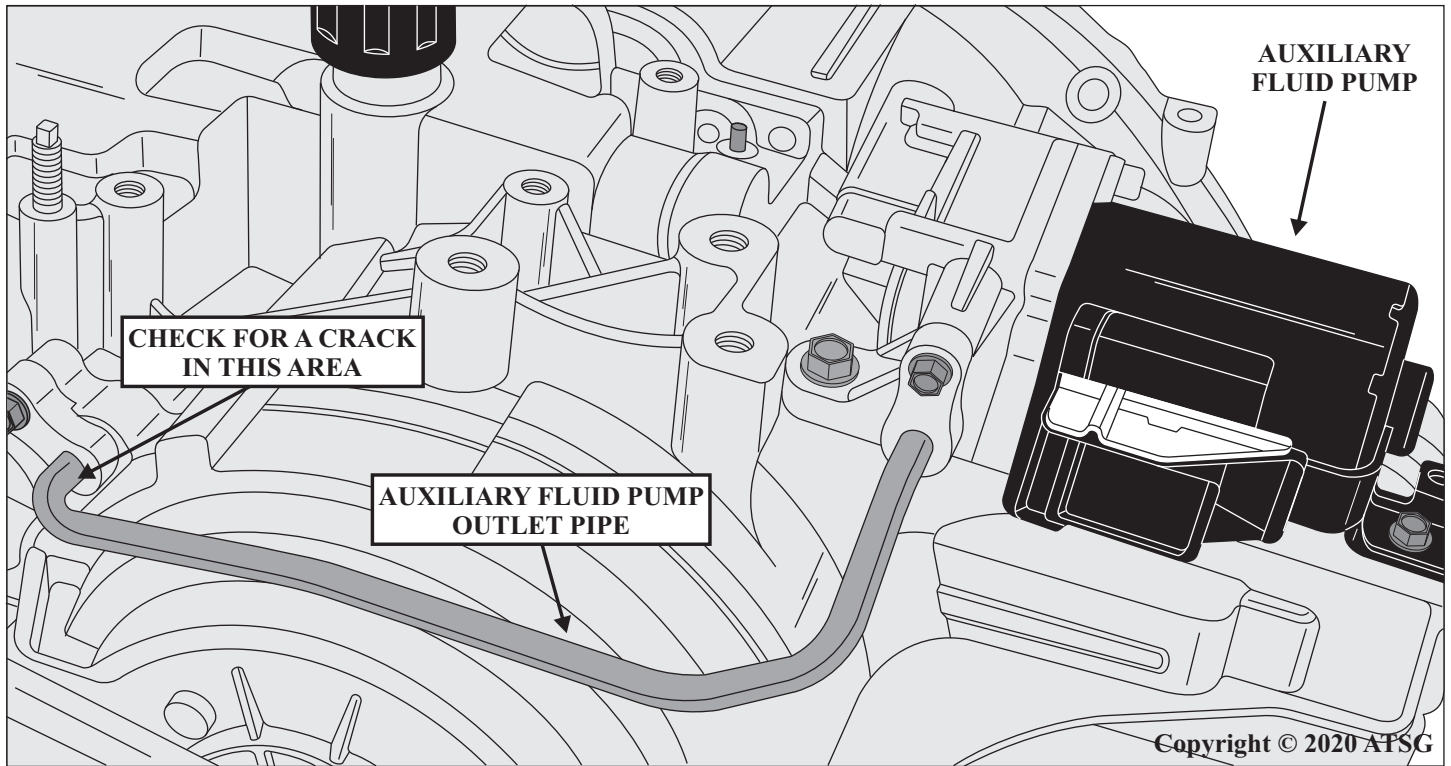


Figure 2