LAND ROVER ZF8HP70

TRANSMISSION CASE OIL LEAK

COMPLAINT: A 2015 to 2016 LR4, Range Rover or Range Rover Sport may have a complaint of a transmission fluid leak. An inspection reveals that transmission oil is leaking between the transfer case and the transmission.

CAUSE: With the transfer case removed, the source of the leak appears to be coming from the back of the transmission case due to case porosity.

CORRECTION: Apply a suitable protective tape as shown in the highlighted area in figure 1 to prevent the epoxy (Devcon) from getting on the output shaft.

Use a cleaning solvent to thoroughly clean the highlighted area of the transmission case shown in figure 2. Make certain the area is oil free and clean.

Apply an even layer of epoxy to the highlighted area of the transmission case shown in figure 3.

Apply a layer of epoxy to the transmission insert as shown in figure 4 and install the insert over the affected area of the transmission case also shown in figure 4.

Apply an even layer of epoxy over the insert filling the cavity as shown in figure 5.

Allow the epoxy to completely cure by following the manufacturers instructions for proper curing time. Do not install the transfer case until the curing time is complete.

SERVICE INFORMATION:

Transmission Insert.....LR133314
Devcon Epoxy.....LR125418

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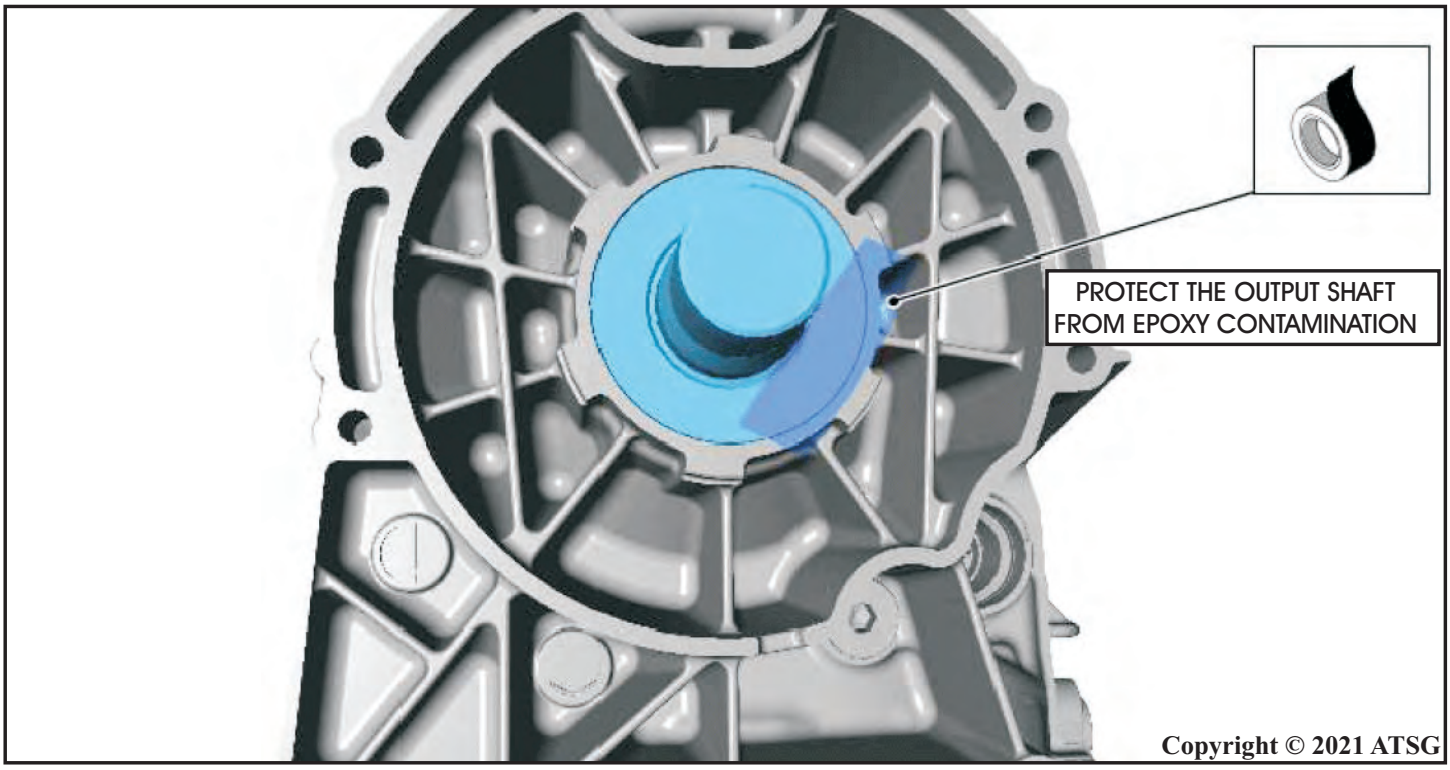

Figure 1

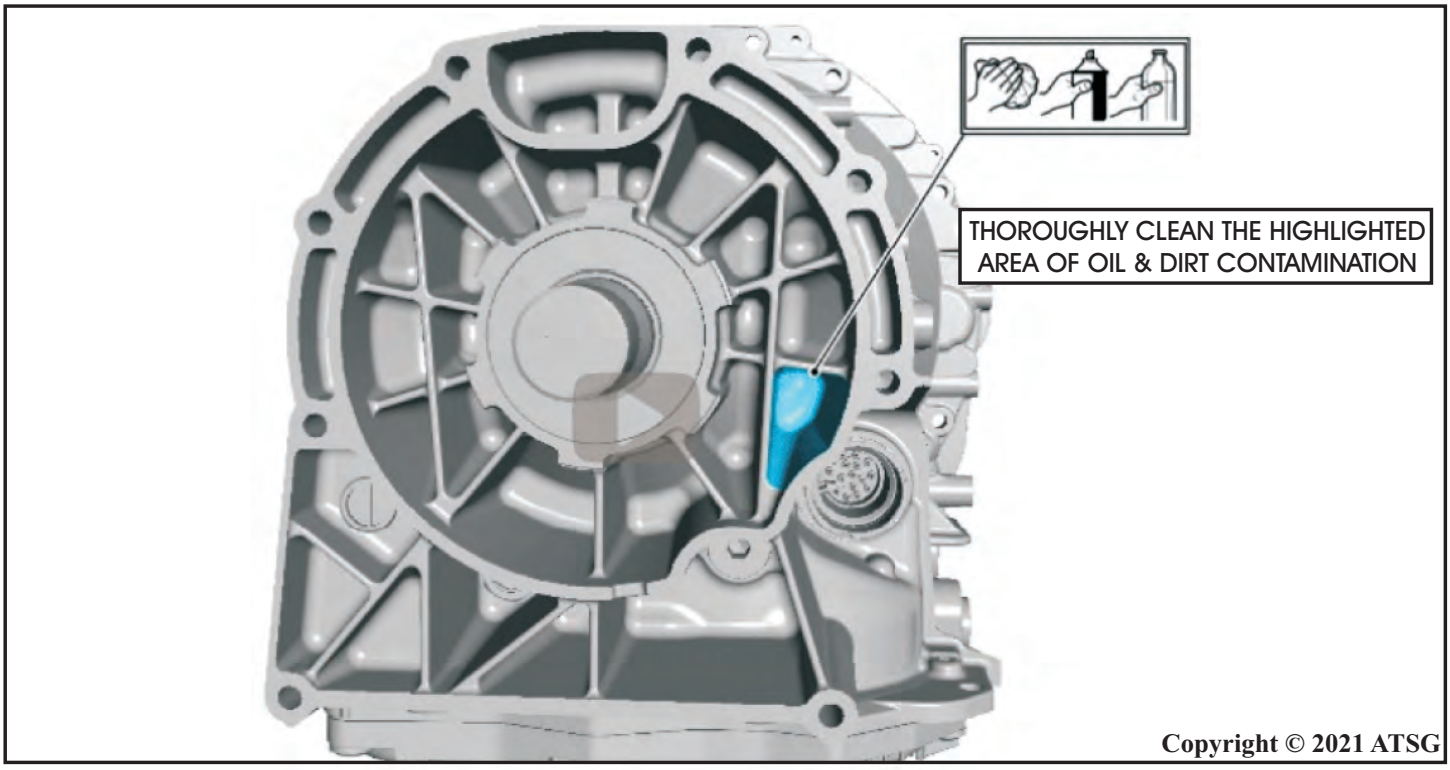

Figure 2

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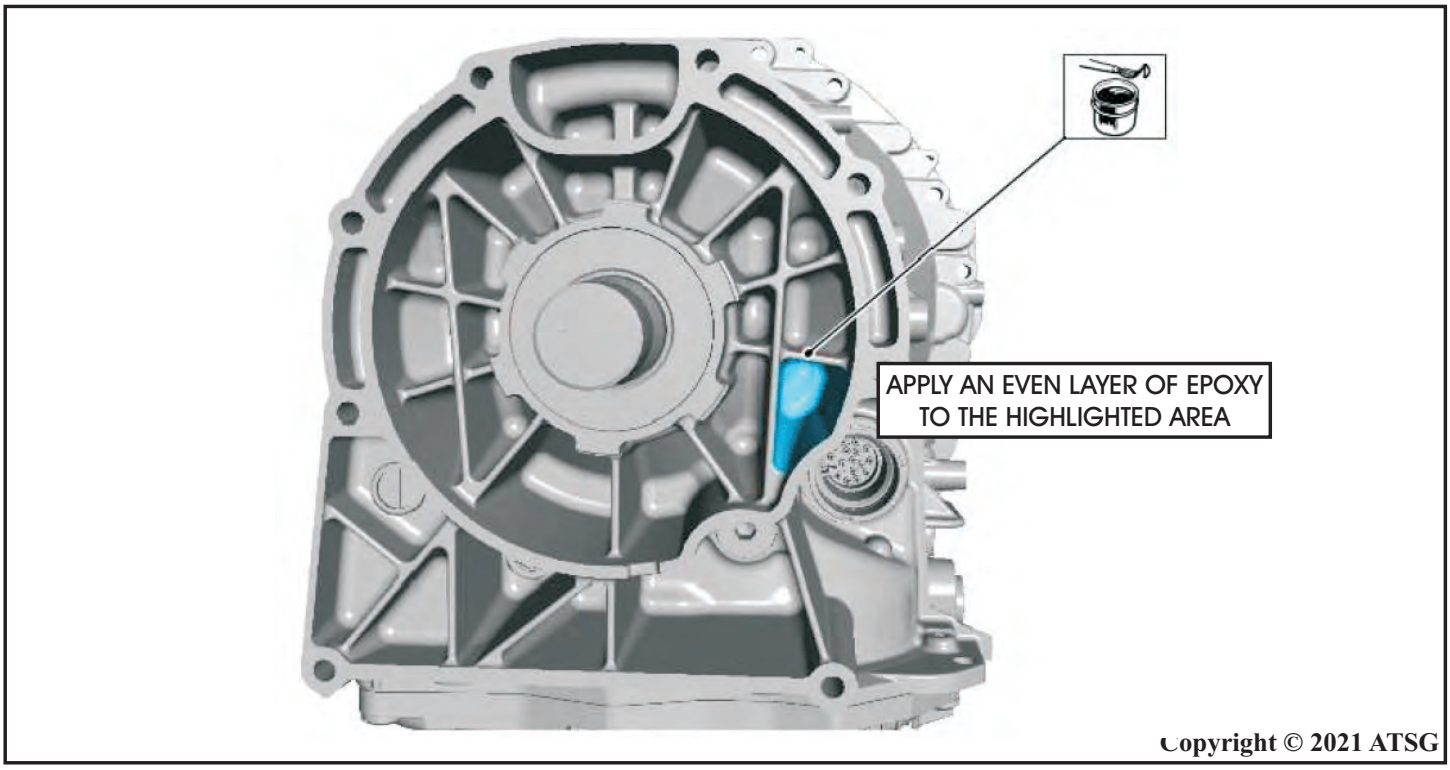

Figure 3

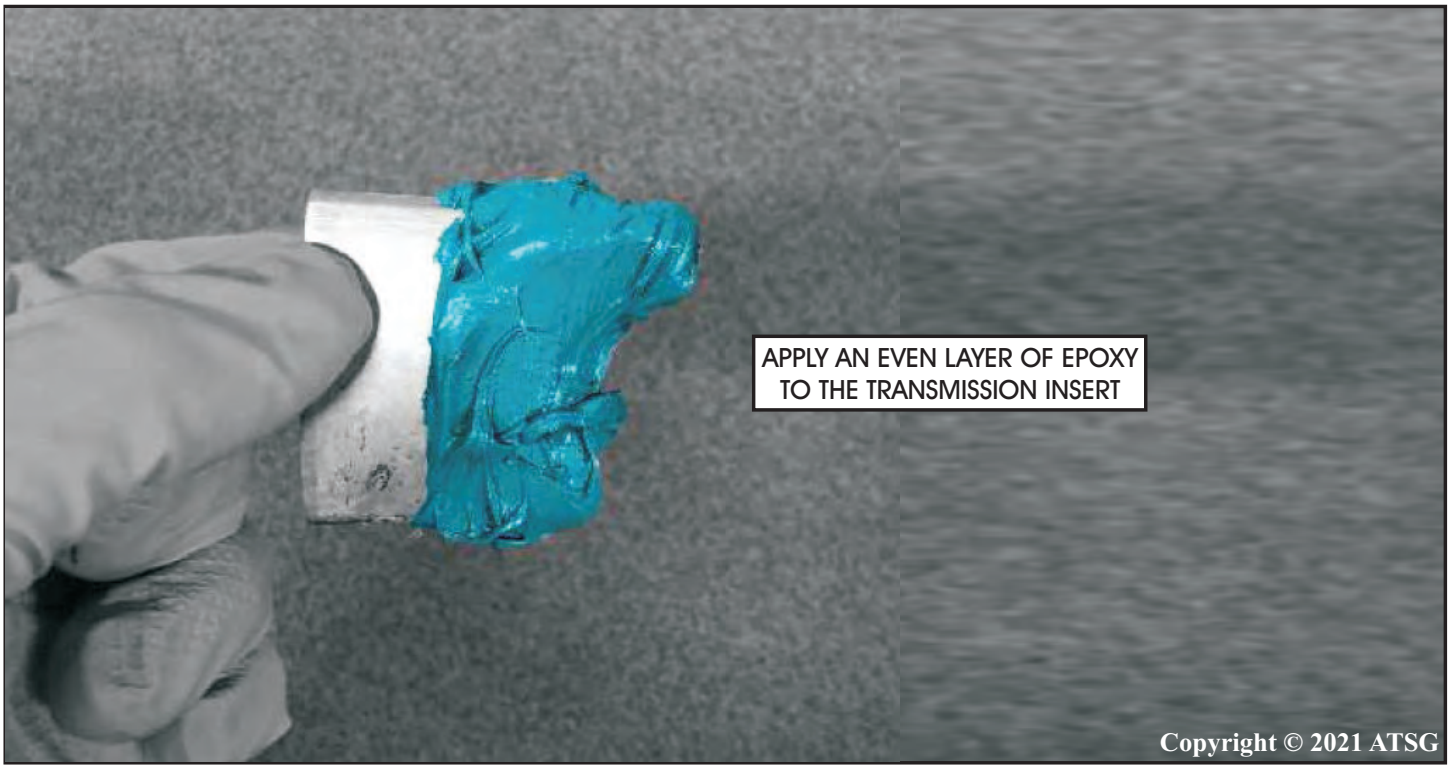

Figure 4

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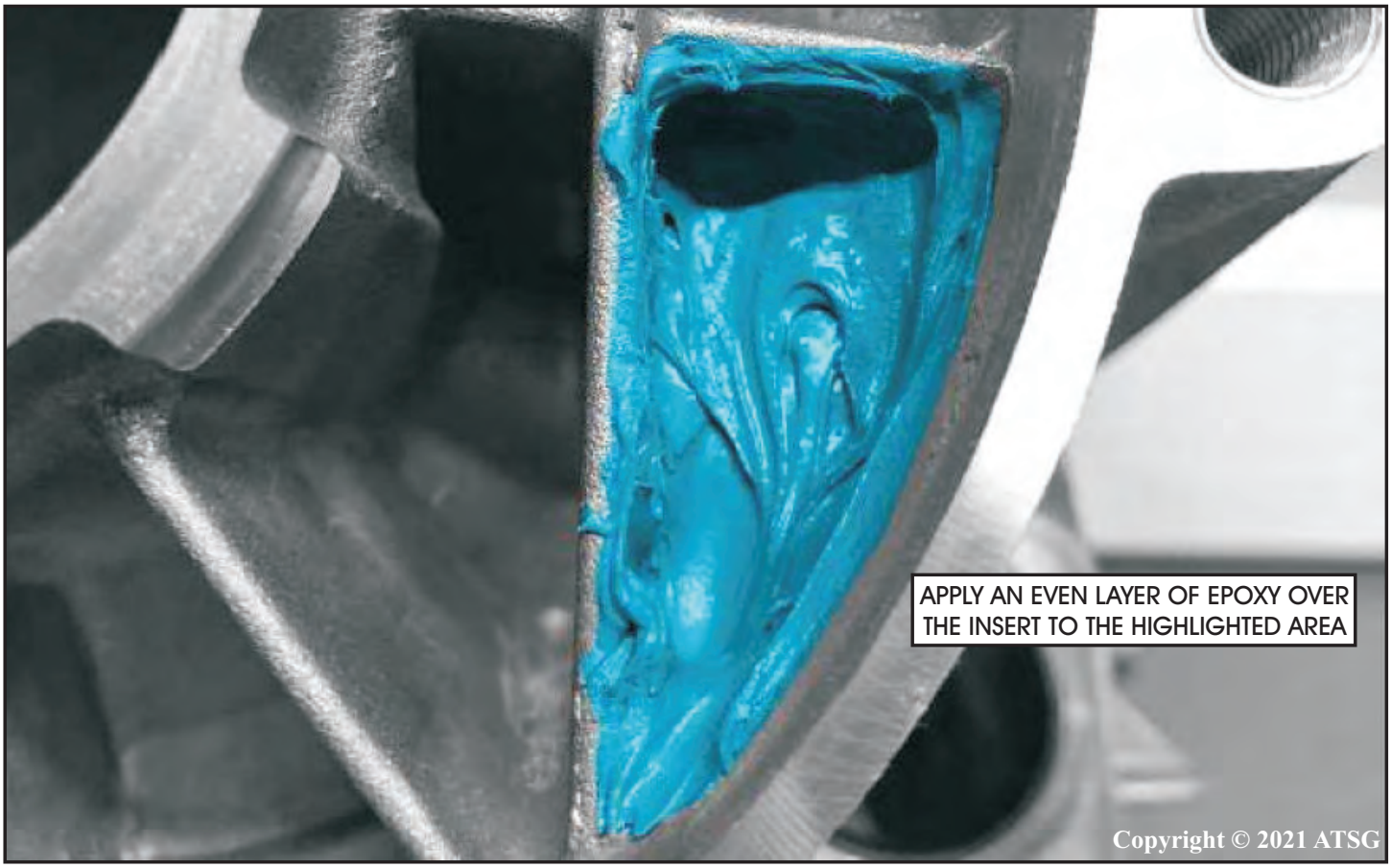

Figure 5