



## Technical Bulletin #1944

**Transmission:** 6DCT450, MPS6, 6DCT470

**Subject:** Repeat Mechatronic Failure

**Application:** Ford, Mitsubishi, FCA, Volvo, Land Rover

**Issue Date:** January, 2020

# 6DCT450, MPS6, 6DCT470 Repeat Mechatronic Failure

Mechatronic related failures are common with this unit. Many failures are related to fluid contamination. Normal wear and tear from the operation of the dual wet clutch assembly and the gear train deposits clutch material and metallic debris in the fluid.

If the transmission fluid has excessive contamination, and the Mechatronic has been diagnosed to be faulty, the unit must be removed, disassembled and cleaned. This **MUST** be done even if there are no other concerns. Failure to do so will cause a repeat failure of the Mechatronic assembly!

The control solenoids and control valves will become contaminated and will malfunction. The magnetic sensors will pick up loose, ferrous material in the fluid, causing the shift shaft position sensors and speed sensor signals to fail.

