



Technical Service Information

MERCEDES BENZ 722.6

TCM FLUID CONTAMINATION

COMPLAINT: The vehicle may experience intermittent speed sensor or solenoid codes with reoccurring limp mode. When the technician locates the TCM, (Refer to Figure 1), to do some electrical checks, the TCM is found to be full of transmission fluid.

CAUSE: Transmission Fluid has worked its way up the wiring between the transmission case connector and the TCM through capillary action. As a result of this action, the TCM has been filled with fluid, (Refer to Figure 2).
This has nothing to do with the with seal condition on the conductor plate or the vehicle harness connector, even with good seals this will occur, (Refer to Figure 3).

CORRECTION: Remove some insulation to bare the wires just above the vehicle harness connector in a staggered fashion. Then melt a drop of solder on each wire, (Refer to Figure 4), this will act as a dam, then shrink wrap each wire and tape the harness to dress it up. This will prevent the fluid from traveling up the wire harness to the TCM, especially after TCM replacement.

Many thanks to Wayne Duvall from Crownsville Transmission for the photos that made this bulletin possible.

TCM FLUID CONTAMINATION

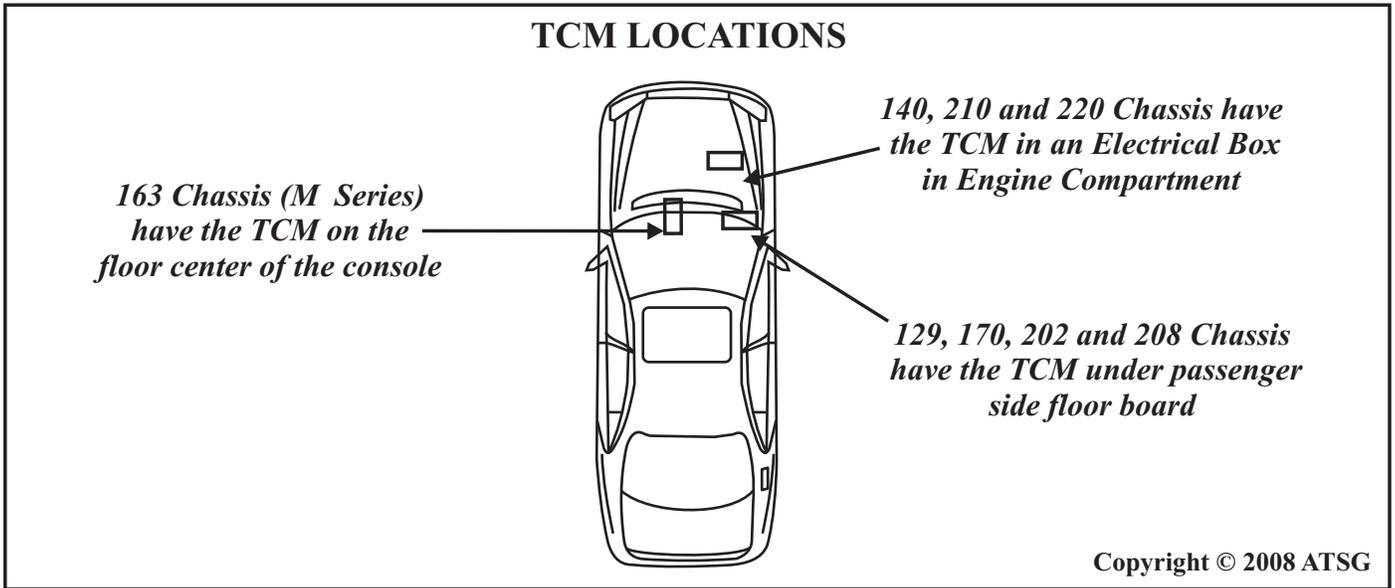


Figure 1

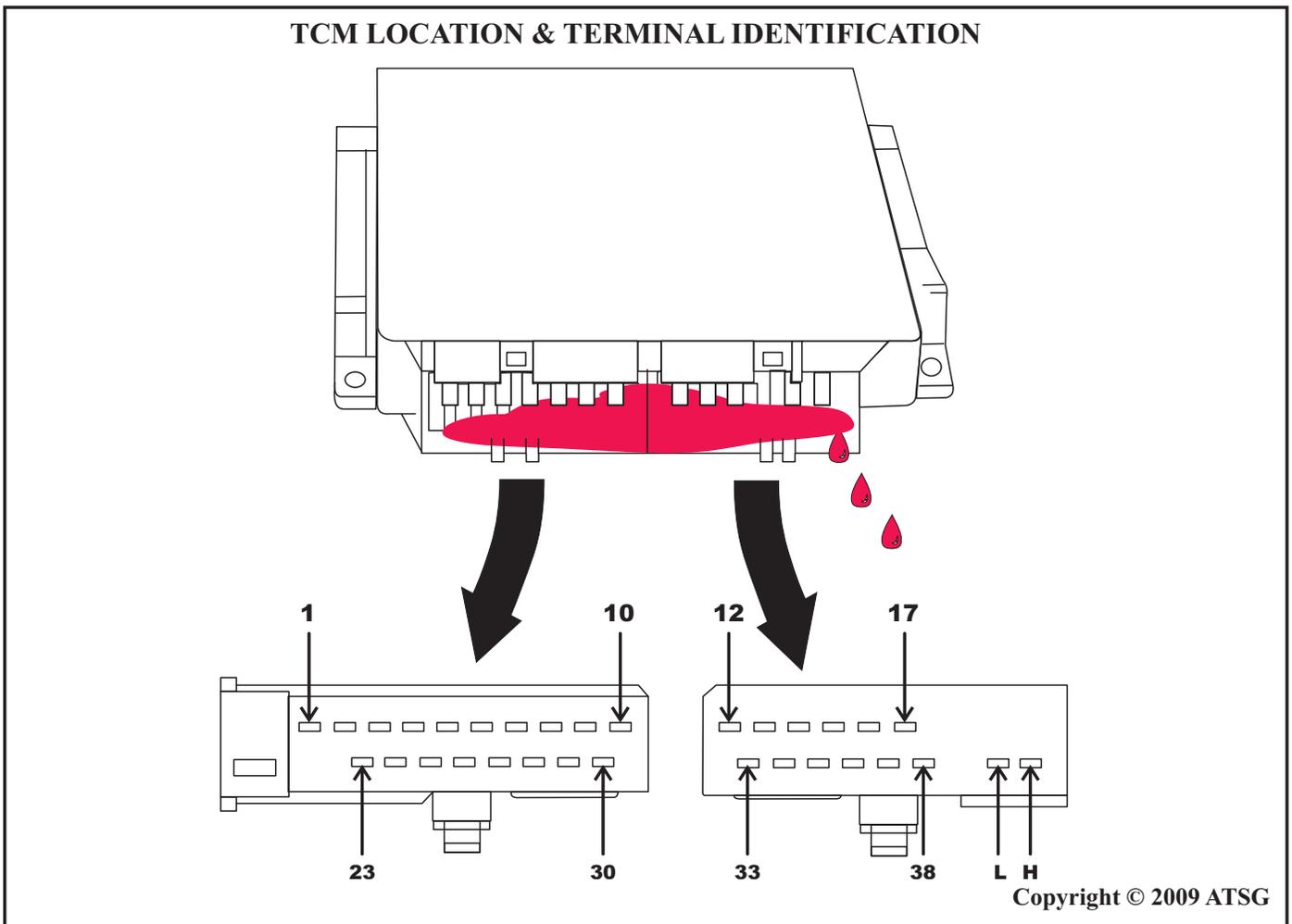


Figure 2

TCM FLUID CONTAMINATION

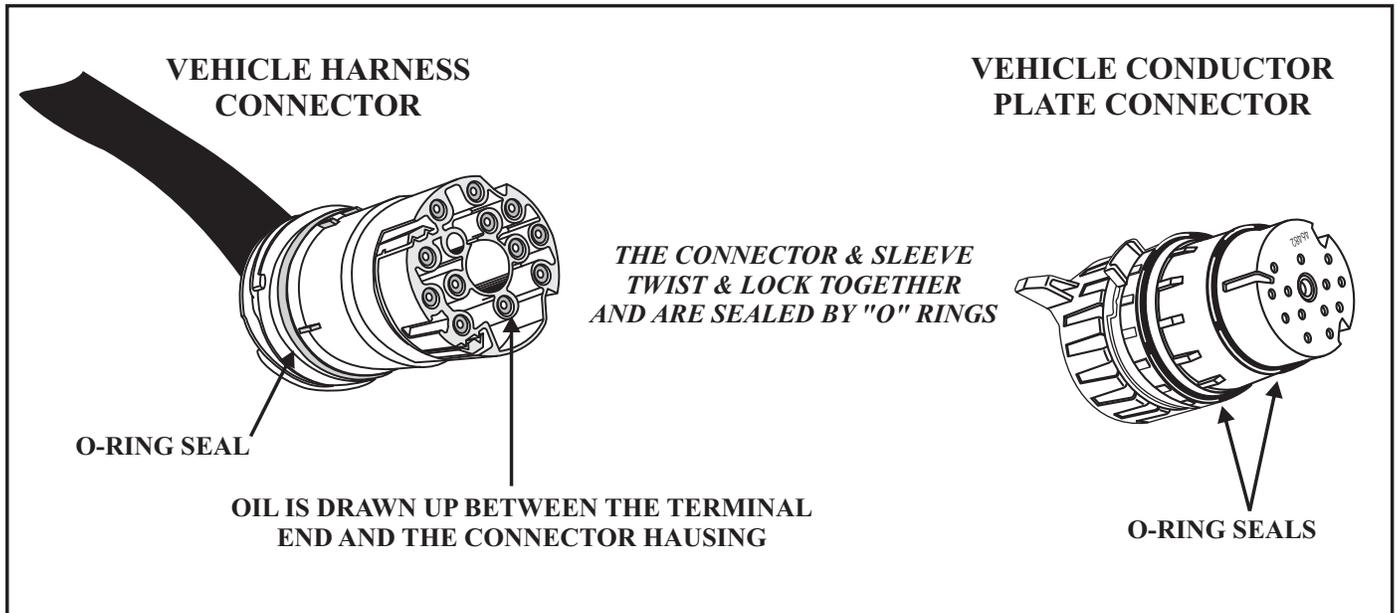


Figure 3

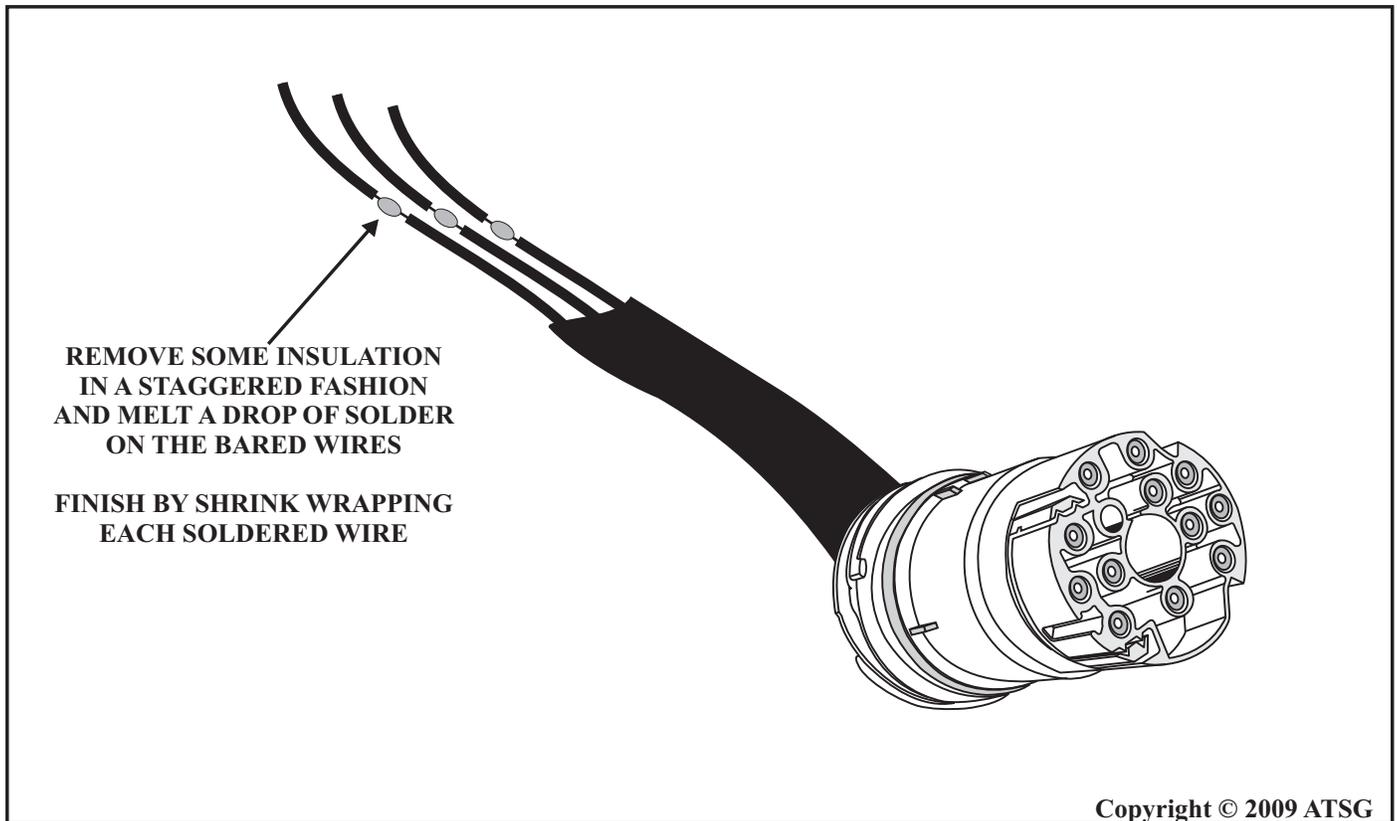


Figure 4