



ISUZU 4L30-E

REPEATED OVERHEATING OF THE TRANSMISSION

COMPLAINT: The vehicle comes in with a complaint of a lack of power and the transmission may be slipping. Further examination reveals that the transmission fluid is burnt. When the transmission is disassembled, it is then obvious that it has been severely overheated. After overhaul the transmission seems to shift all the gears, but the vehicle still seems to lack power. This condition may be explained to the owner of the vehicle, but inevitably the vehicle returns, once again, with the transmission severely overheated.

WARNING: Another complaint associated with this concern is transmission fluid out of the filler tube. The oil gets so hot it can actually boil, and could be a fire hazard!

CAUSE: The cause is usually a faulty ignition coil pack, which is the reason this complaint is so difficult to solve as it is ***NOT*** caused directly by a transmission failure. Over a period of time the coil pack begins to leak a white milky substance which is used to insulate the coil pack against heat that can damage it. (Refer to Figures 1 and 2) Once this insulating fluid leaks out, the coil pack overheats and begins to break down internally which causes poor engine performance. The poor engine performance creates a lack of power, which causes the vehicle's operator to have the throttle at an almost wide open position, most of the time. This throttle position keeps the converter clutch unlocked when the transmission is in fourth gear, which causes the converter to generate a great deal of heat, thereby severely overheating the transmission.

CORRECTION: If the engine seems to exhibit a lack of power, check the coil pack for leakage of the white insulating fluid and replace it if this condition exists. Also check and ensure that the converter clutch solenoid signal is present at the proper times.

Special Note: A number of these vehicles tow boat trailers, etc., this would create an even more serious overheating condition.

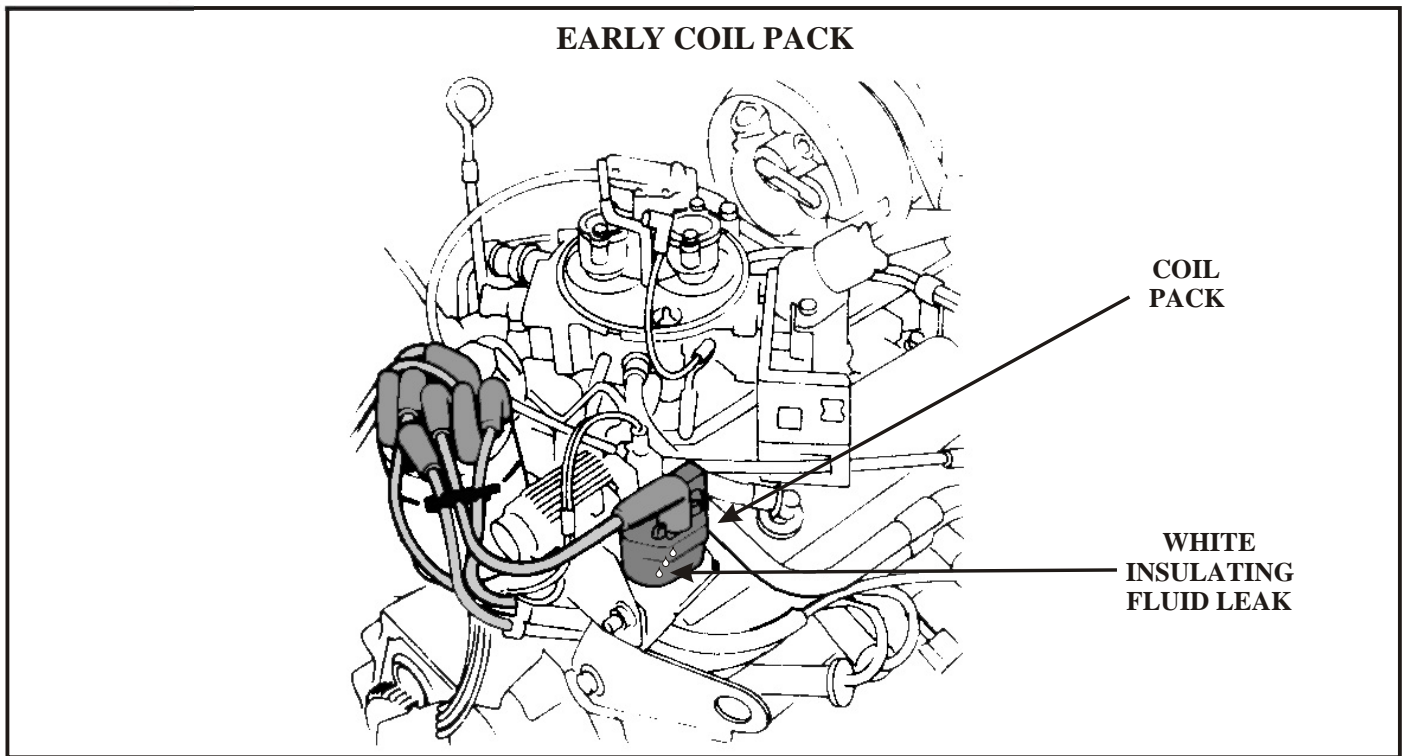


Figure 1

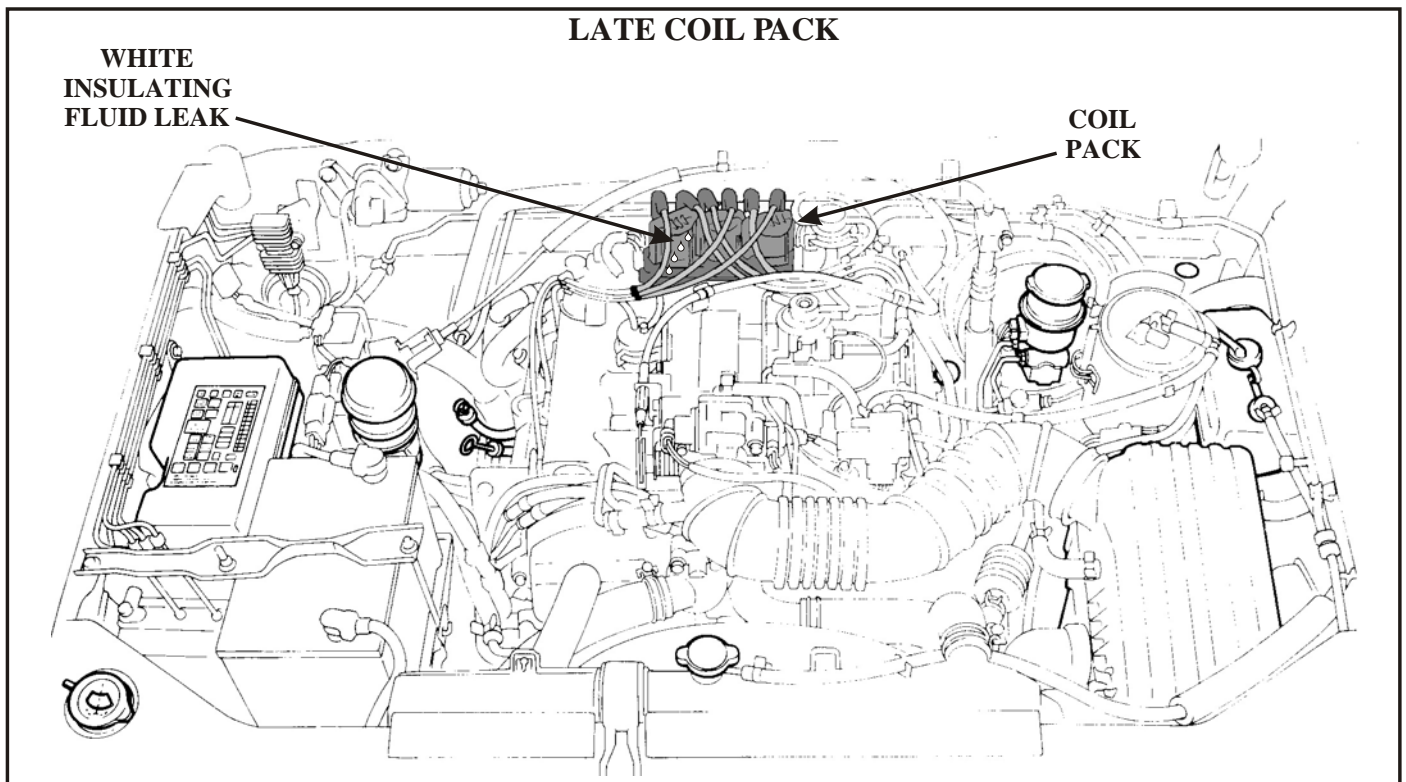


Figure 2