

A4AF3/A4BF2 NO FORWARD IN DRIVE AFTER OVERHAUL MANUAL LOW & REVERSE OK

COMPLAINT: A no forward condition in the Drive range after rebuild, reverse and manual low ok. May engage in Drive during high engine RPMs, then neutral out and stop moving.

CAUSE: The PCSV-A pressure control solenoid with the black wire being switched with the location of the PCSV-B pressure control solenoid with blue wire during rebuild.

CORRECTION: Replace the solenoids to their correct locations. The diagram in Figure 1 will show the correct location of all six solenoids and wire color. Figure 2 will demonstrate the oil flow and the position of Pressure Control Valve B when the solenoids are in the right location. Allowing oil flow to the rear (forward) clutch drum. The partial oil schematic in Figure 3 will explain why there will be no movement in the Drive range when the solenoids are in the wrong location. Notice that when the PCSV-A solenoid is place in the location of the PCSV-B in the Drive range. The normal firing order of the solenoids will be incorrect in this location. The PCV-B position will cut off oil flow to the forward drum causing no forward movement in the Drive detent. There may or may not be any movement when engine rpm is increased. Manual low and reverse will be ok.

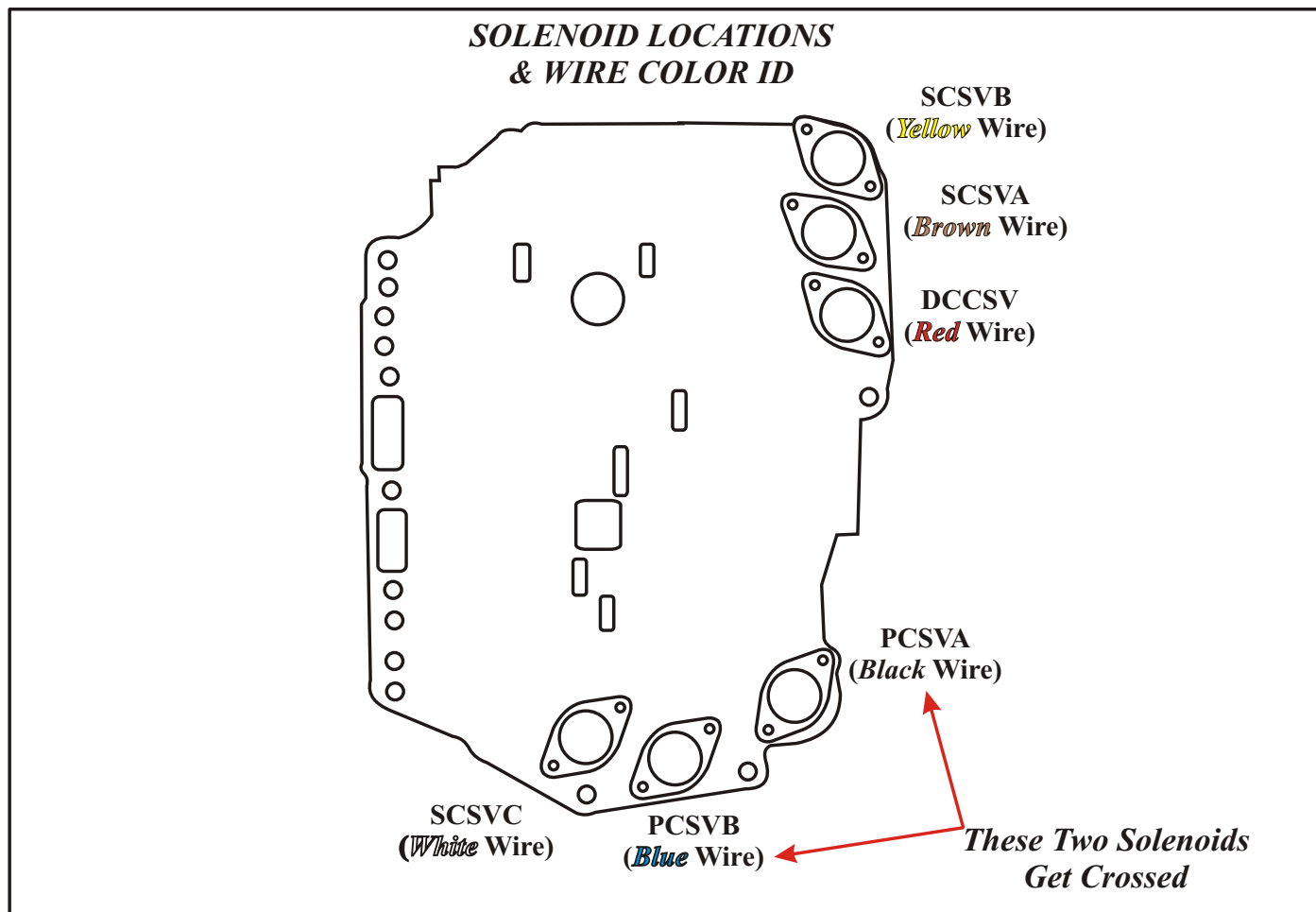


Figure 1

SOLENOIDS IN THE *CORRECT* LOCATIONS

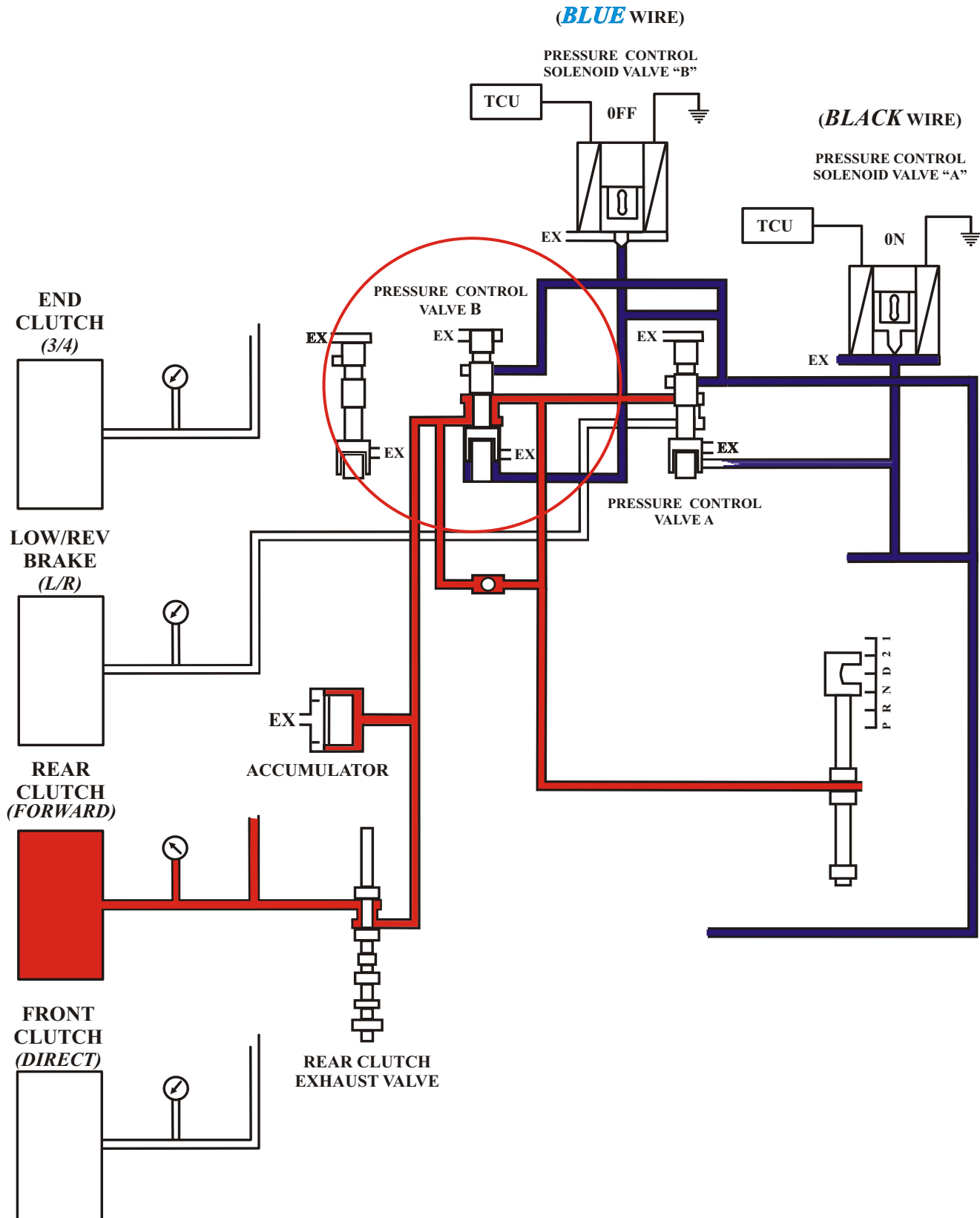


Figure 2

SOLENOIDS IN THE *INCORRECT* LOCATIONS

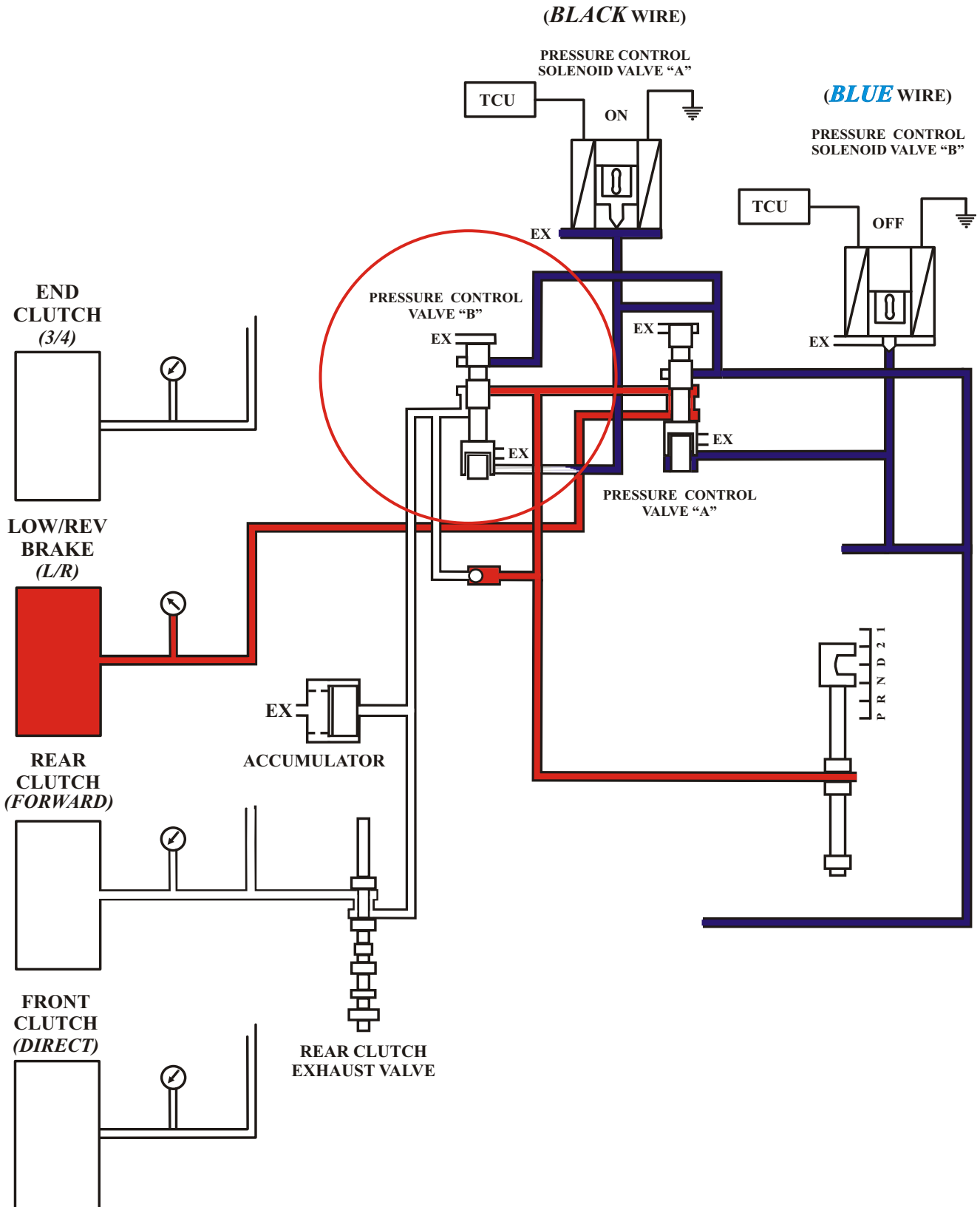


Figure 3