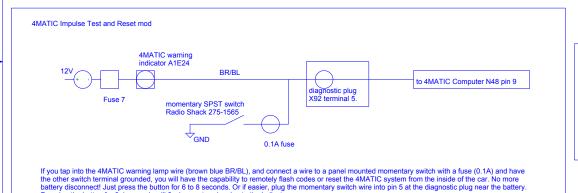


R

4MATIC function/test relay is at the passenger footwell behind the kick panel. The manual states that X62/8 is located under the car just forward of the fuel pump but the wiring passes through the floor near the door vacuum pump which is under the right rear seat. To save wire it would likely be best to install the relay where the factory has, under the rear seat could be an alternative location. The two wires (RD/BU and YL/GN) should be assessible under the passenger kick panel.

Operation: When the DPDT switch is closed the relay switches and breaks power to the two transfer case solenoids. The second DPDT pole grounds and will indicate a loss of pressure and shut down the 4MATIC system operation. ZH-M pressure is not affected so self levelling systems will continue to operate.

Common Relay Pin Configuration (Bosch-type)



Future Modification: It may be possible to fool the 4MATIC computer to think that the two solenoids are still wired when the DPDT switch is closed. If fooled properly and the pressure line is "not" wired (Grounded) to the other switch pole, we may be able to keep the ASD function working. This may be possible by connecting a resistor to pin 87 (NO) and then connect the resistor to the RD/BL line going to the solenoids.

I am not sure if the computer senses voltage or current thru the solenoids, this monitoring may be tested by measuring for solenoid current while in Mode 1 2WD, Mode 1 is when both solenoids are not actuated. The resistor would have to be large enough to not let the wire current rise to a level where the solenoids are actuated.

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Pressing the button for 2-4 seconds will flash any stored codes to the indicator.

B