

**Multi-function unit fault diagnosis**

The MFU unit has a diagnostic facility for operator assisted diagnosis of inputs, outputs and MFU functions.

**Input diagnostics** The input diagnostics procedure determines if the system inputs are at fault, and verifies the input signals. The procedure is carried out as follows:

To determine if the system inputs are at fault, sit in the car with the doors closed and the seat belts unlatched. Be sure the parking and headlights are off. Press and hold the heated rear window switch. Switch on the ignition, then release the heated rear window switch. If the warning chime does not sound, all system inputs are OK and are not at fault.

To verify if the input signals are OK, latch and unlatch the driver's seat belt. The chime should sound while the belt is latched. Open and close the driver's and passenger's doors separately. The chime should sound while each door is open.

**NOTE:** The ignition key-in switch signal, ignition ON / OFF signals and heated rear window switch inputs are tested by default.

**Output diagnostics** The output diagnostic mode and procedure inhibits all inputs and tests output functions only. The heated rear window switch is used to cycle the MFU through its output diagnostic sequence. As each output function is selected, the MFU should operate its circuit loads. If the MFU fails to operate the circuit, a chime will sound. The procedure is carried out as follows:

- 1 Switch on the parking lights. Press and hold the heated rear window switch while switching on the ignition, then release the heated rear window switch. All outputs and warnings should be inactive.
- 2 Touch the heated rear window switch to activate the heated rear window circuit. The heated rear window should energize and the indicator should light. Touch the heated rear window switch to cancel the heated rear window circuit.
- 3 Touch the heated rear window switch to activate the interior lights. The interior lights should switch on. Touch the heated rear window switch to cancel the interior light circuit.
- 4 Touch the heated rear window switch to activate the seat belt warning light circuit. The seat belt warning should light. Touch the heated rear window switch to cancel the seat belt warning light circuit.
- 5 Touch the heated rear window switch to activate the low wash fluid, park brake and brake fluid circuits. The low wash, park brake and low brake fluid warnings should light. Touch the heated rear window switch to cancel the low wash, park brake and brake fluid circuits.

The output diagnostic mode is canceled by switching the parking or headlights lights off.

**Exit diagnostics and MFU reset** After completing the diagnostic procedure, switch off the ignition to exit diagnostics and reset the MFU.