

Antilock Brakes / Traction Control Systems: Scan Tool Testing and Procedures

Perform Active Test

PERFORM ACTIVE TEST

HINT: Performing the intelligent tester's ACTIVE TEST allows relay, VSV, actuator and other items to be operated without removing any parts. Performing the ACTIVE TEST early in troubleshooting is one way to save time. The DATA LIST can be displayed during the ACTIVE TEST.

- Connect the intelligent tester (with CAN VIM) to the DLC3.
- Turn the power switch ON (READY).
- Perform the ACTIVE TEST according to the display on the tester.

Skid control ECU:

Tester Display	Test Part	Control Range	Diagnostic Note
ABS WARN LIGHT	ABS warning light	Warning light ON / OFF	Observe combination meter
VSC WARN LIGHT	VSC warning light	Warning light ON / OFF	Observe combination meter
SLIP INDI LIGHT	SLIP indicator light	Indicator light ON / OFF	Observe combination meter
BRAKE WARN LIGHT	BRAKE warning light	Warning light ON / OFF	Observe combination meter
VSC/BR WARN BUZ	VSC / BRAKE warning buzzer	Buzzer ON / OFF	Buzzer can be heard
ECB* INDI LIGHT	Brake Control warning light	Warning light ON / OFF	Observe combination meter
MAIN RELAY 1	MAIN RELAY 1	Relay ON / OFF	Operation of solenoid (clicking sound) can be heard
MAIN RELAY 2	MAIN RELAY 2	Relay ON / OFF	Operation of solenoid (clicking sound) can be heard
MC 1	Master cut valve 1 activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
MC 2	Master cut valve 2 activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
MOTOR RELAY 1	MOTOR RELAY 1	Relay ON / OFF	Operation of solenoid (clicking sound) can be heard
MOTOR RELAY 2	MOTOR RELAY 2	Relay ON / OFF	Operation of solenoid (clicking sound) can be heard
ECB* NVALID	Electronically Controlled Brake control invalid	Control invalid ON / OFF	Operation of solenoid (clicking sound) can be heard

Part 1

Tester Display	Test Part	Control Range	Diagnostic Note
ACC PATTERN	Actuator air bleeding pattern activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
SCC PATTERN	Stroke simulator cut valve pattern activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
POWER SUPPLY 1	Power supply air bleeding pattern activation 1	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
POWER SUPPLY 2	Power supply air bleeding pattern activation 2	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
RL AIR BLEEDING	RL wheel air bleeding pattern activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
RR AIR BLEEDING	RR wheel air bleeding pattern activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
ZERO DOWN	Accumulator zero down activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
PUMP PATTERN	Pump check pattern activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard
DRAIN PATTERN	Drain system air bleeding pattern activation	Activation ON / OFF	Operation of solenoid (clicking sound) can be heard

*: Electronically Controlled Brake

Part 2