

Vehicle Security Module Job Aid for Explorer, Mountaineer, Aviator, Expedition, Navigator, Excursion, and Superduty (MY 2002-2005)

Failure Mode	DTC	Description	Theory and Operation
Autolamps Malfunction	B1695	Autolamp On Circuit Failure	Fault is set at on-demand selftest only if the Autolamp Input is shorted to Battery
	B1792	Autolamp Sensor Input Circuit Short to Battery and Open	Autolamp Sensor Ambient Light Sensor shorted to battery Input pin voltage > 4.9V or open circuit. This code is set on on-demand selftest and continuous
	B1793	Autolamp Sensor Input Circuit Short Ground	Autolamp Sensor Ambient Light Sensor shorted to ground. This code is set on on-demand selftest and continuous
	B2661	Parklamp Relay Output Short to Battery	This code is set at on-demand selftest if the circuit is shorted to battery.
	B2662	Parklamp Relay Output Open Circuit	This code is set as continuous when the circuit is shorted to battery or open circuit and the Autolamp feature is not active. Code set at on-demand self test if the circuit is open circuit.
	B2663	Headlamp Relay Output Short to Battery	This code is set at on-demand selftest if the circuit is shorted to battery.
	B2664	Headlamp Relay Output Open Circuit or Short to Battery	This code is set as continuous when the circuit is shorted to battery or open circuit and the Autolamp feature is not active. Code set at on-demand self test if the circuit is open circuit.
Door Locks Inoperative via Trim Switch	B1300	Power Door Lock (Trim Switch) Circuit Failure	This code is set on on-demand selftest if the lock signal of the door power locking trim switch is shorted to ground.
	B1311	Power Door Unlock (Trim Switch) Circuit Failure	This code is set on on-demand selftest if the unlock signal of the door power locking trim switch is shorted to ground.
Remote Transmitters Inoperative	B2276	Less Than Two Transmitters Programmed	This code is set on on-demand selftest if only one keyfob is programmed to the VSM.
	B2425	Remote Keyless Entry Out of Synchronization	This code is set as continuous when a remote transmitter transmits and there is a mismatch in the rolling count in the VSM as compared to the remote transmitter.
Keyless Keypad Inoperative	B2675	Keypad_B Switch Circuit Failure	Code set on on-demand selftest if the circuit is shorted to ground.
	B2676	Keypad_C Switch Circuit Failure	Code set on on-demand selftest if the circuit is shorted to ground.
	B2695	Keypad_A Switch Circuit Failure	Code set on on-demand selftest if the circuit is shorted to ground.
Liftgate Glass Pop Inoperative	B2667	Liftgate Glass Release Switch Failure	Code set on on-demand selftest if the circuit is shorted to ground.
Liftgate Release Inoperative (Aviator Only)	B2666	Liftgate Release Switch Circuit Failure	Code set on on-demand selftest if the circuit is shorted to ground.
	B2669	Liftgate Release Relay Coil Failure	Code set continuous and on on-demand selftest if the circuit is shorted to ground or open circuit. Code set on on-demand selftest if the circuit is shorted to battery.
3rd Row Power Folding Seat Inoperative (Expedition and Navigator Only)	B2794	3rd Row Power Folding Seat Circuit Failure	Code set continuous and on on-demand selftest if the circuit is shorted to ground or open circuit. Code set on on-demand selftest if the circuit is shorted to battery.
	B1334	Decklid Ajar Rear Door Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
Interior Lights Inoperative	B1321	Driver Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1322	Driver Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1329	Passenger Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1330	Passenger Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1337	Right Rear Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1338	Right Rear Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1573	Left Rear Door Ajar Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1574	Left Rear Door Ajar Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1333	Rear Liftgate/Liftgate Glass Ajar Circuit Short to Battery (Not Applicable for Super Duty)	Code set on on-demand selftest if the circuit is shorted to battery.
	B1334	Rear Liftgate/Liftgate Glass Ajar Circuit Short to Ground (Only Applicable for 2004-05 Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
Delayed Accessory Feature	B1321	Driver Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1322	Driver Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.

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Door Ajar Warning Malfunction	B1321	Driver Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1322	Driver Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1329	Passenger Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1330	Passenger Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1337	Right Rear Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1338	Right Rear Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1573	Left Rear Door Ajar Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1574	Left Rear Door Ajar Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1333	Rear Liftgate/Liftgate Glass Ajar Circuit Short to Battery (Not Applicable for Super Duty)	Code set on on-demand selftest if the circuit is shorted to battery.
	B1334	Rear Liftgate/Liftgate Glass Ajar Circuit Short to Ground (Only Applicable for 2004-05 Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
Smart Unlocking Inoperative	B1321	Driver Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1322	Driver Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
Autolocking/Relocking Malfunction	B1321	Driver Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1322	Driver Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1329	Passenger Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1330	Passenger Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1337	Right Rear Door Ajar Circuit Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1338	Right Rear Door Ajar Circuit Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1573	Left Rear Door Ajar Short to Battery	Code set on on-demand selftest if the circuit is shorted to battery.
	B1574	Left Rear Door Ajar Short to Ground (Only Applicable for 2004-05 SuperDuty and Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	B1333	Rear Liftgate/Liftgate Glass Ajar Circuit Short to Battery (Not Applicable for Super Duty)	Code set on on-demand selftest if the circuit is shorted to battery.
	B1334	Rear Liftgate/Liftgate Glass Ajar Circuit Short to Ground (Only Applicable for 2004-05 Excursion)	Code set on on-demand selftest if the circuit is shorted to ground.
	U2226	Invalid Speed Data	Continuous code when the VSM receives invalid vehicle speed >155mph data.
Panic or Perimeter Alarm Audible Warning Malfunction	B1217	Horn Relay Coil Circuit Failure	Code set as continuous if the circuit is open circuit. Code set as on-demand selftest if the circuit is shorted to battery, shorted to ground or open circuit.
Various Faults	B1317	Battery Voltage High	Continuous code, set if the the battery voltage exceeds 16volts for greater than 2 seconds.
	B1318	Battery Voltage Low	Continuous code, set if the the battery voltage is less than 8 volts for greater than 2 seconds.
	B1342	ECU Defective	Continuous code set if the VSM has an internal Software Checksum failure.
	B2116	Door Driver Reset Switch Circuit Failure (Explorer and Aviator Only)	Code set on on-demand selftest if the circuit is shorted to ground.
	U1950	UBP Communication Bus Fault	Continuous code set if the UBP Communication bus is shorted to battery or ground. Also set when 25 attempted message transmissions fail in one ignition cycle.
	B2477	Moduel Configuration Fault	Code set on on-demand selftest if the VSM is not configured with the fetaure content.