

Land Rover MK100 ABS Module					
DTC	Description	Possible causes	Is a bench test available for this failure?	Is the part repairable?	Repair Type
C0031-07	Left Front Wheel Speed Sensor: Mechanical Failure	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0031-11	Left Front Wheel Speed Sensor: Short to ground	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0031-15	Left Front Wheel Speed Sensor: Short to battery or open	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0033:07	Right Front Tone Wheel: Mechanical Failure	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0034-07	Right Front Wheel Speed Sensor: Mechanical Failure	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0034-11	Right Front Wheel Speed Sensor: Short to Ground	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0034-15	Right Front Wheel Speed Sensor: Short to Battery or Open	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0037-07	Left Rear Wheel Speed Sensor: Mechanical Failure	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0037-11	Left Rear Wheel Speed Sensor: Short to Ground	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0037-15	Left Rear Wheel Speed Sensor: Short to Battery or Open	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C003A-07	Right Rear Wheel Speed Sensor: Mechanical Failure	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C003A-11	Right Rear Wheel Speed Sensor: Short to Ground	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C003A-15	Right Rear Wheel Speed Sensor: Short to Battery or Open	Check wheel speed sensor, wiring, tone ring, wheel bearing for damage, wear, excessive air gap and contamination. Verify the correct tire size. Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0002-01	TCS Control Channel "A" Valve 2: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0003-01	TCS Control Channel "B" Valve 1: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0004-01	TCS Control Channel "B" Valve 2: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0010-01	Left Front Inlet Control: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0011:01	Left Front Outlet Control: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0014-01	Right Front Inlet Control: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0015-01	Right Front Outlet Control: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0018-01	Left Rear Inlet Control: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0019-01	Left Rear Outlet Control: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C001C-01	Right Rear Inlet Control: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C001D-01	Right Rear Outlet Control: General Electrical Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
U3000-49	Control Module: Internal Electronic Failure	Internal defect in the ABS module.	✓	✓	REPAIR "A" 
C2005-1B	Right Actuator, Left Actuator: Circuit Resistance Above Threshold	Check the rear parking brake motors resistance; expected value is less than 3Ω. Check wiring and connectors. If all tests are good, there is an internal defect in the ABS module.	✓	✓	REPAIR "A" 
C2005-71	Right Actuator, Left Actuator: Actuator Stuck	Check the rear parking brake motors resistance; expected value is less than 3Ω. Check wiring and connectors. If all tests are good, there is an internal defect in the ABS module.	✓	✓	REPAIR "A" 
C2007-13	Right Motor, Left Motor: Circuit Open	Check the rear parking brake motors resistance; expected value is less than 3Ω. Check wiring and connectors. If all tests are good, there is an internal defect in the ABS module.	✓	✓	REPAIR "A" 
C2007-1C	Right Motor, Left Motor: Circuit Voltage Out Of Range	Check the rear parking brake motors resistance; expected value is less than 3Ω. Check wiring and connectors. If all tests are good, there is an internal defect in the ABS module.	✓	✓	REPAIR "A" 
U0121-00	Lost Communication with the ABS Module	Test powers, grounds and communication lines to the module. If all good there is an internal defect in the ABS module.	✓	✓	REPAIR "A" 
C0020-11	ABS Pump Motor Control: Circuit Short to Ground	Defective pump motor or internal fault in the ABS module. Send in both the hydraulic block (HCU) and module.  NOTE* IN ADDITION TO THE ABS PUMP REPAIR, THE ABS MODULE MUST BE REBUILT AS WELL. THE ABS PUMP IS CONTROLLED DIRECTLY BY THE ABS MODULE AND THE WORN-OUT MOTOR WILL WEAKEN OR SHORT INTERNAL DRIVER CIRCUIT.	✓	✓	REPAIR "B" 
C0020-01	ABS Pump Motor Control: General Electrical Failure	Defective pump motor or internal fault in the ABS module. Send in both the hydraulic block (HCU) and module.  NOTE* IN ADDITION TO THE ABS PUMP REPAIR, THE ABS MODULE MUST BE REBUILT AS WELL. THE ABS PUMP IS CONTROLLED DIRECTLY BY THE ABS MODULE AND THE WORN-OUT MOTOR WILL WEAKEN OR SHORT INTERNAL DRIVER CIRCUIT.	✓	✓	REPAIR "B" 
C0020-1C	ABS Pump Motor Control: Circuit Voltage Out of Range	Defective pump motor or internal fault in the ABS module. Send in both the hydraulic block (HCU) and module.  NOTE* IN ADDITION TO THE ABS PUMP REPAIR, THE ABS MODULE MUST BE REBUILT AS WELL. THE ABS PUMP IS CONTROLLED DIRECTLY BY THE ABS MODULE AND THE WORN-OUT MOTOR WILL WEAKEN OR SHORT INTERNAL DRIVER CIRCUIT.	✓	✓	REPAIR "B" 
C0020-49	ABS Pump Motor Control: Internal Electronic Failure	Defective pump motor or internal fault in the ABS module. Send in both the hydraulic block (HCU) and module.  NOTE* IN ADDITION TO THE ABS PUMP REPAIR, THE ABS MODULE MUST BE REBUILT AS WELL. THE ABS PUMP IS CONTROLLED DIRECTLY BY THE ABS MODULE AND THE WORN-OUT MOTOR WILL WEAKEN OR SHORT INTERNAL DRIVER CIRCUIT.	✓	✓	REPAIR "B" 
C0020-71	ABS Pump Motor Control: Actuator Stuck	Defective pump motor or internal fault in the ABS module. Send in both the hydraulic block (HCU) and module.  NOTE* IN ADDITION TO THE ABS PUMP REPAIR, THE ABS MODULE MUST BE REBUILT AS WELL. THE ABS PUMP IS CONTROLLED DIRECTLY BY THE ABS MODULE AND THE WORN-OUT MOTOR WILL WEAKEN OR SHORT INTERNAL DRIVER CIRCUIT.	✓	✓	REPAIR "B" 
C0044-01	Brake Pressure Sensor"A"	Defective brake pressure sensor. The sensor is integral to the HCU hydraulic block. This sensor is not repairable. Please contact us.	✓	✗	Not repairable. Please contact us.
Note* To prevent damage during shipping; Always ship the hydraulic block with the ABS module attached.					