

Subject: MDARS II RECORD ON BEHAVIOR (RoB CODES)	Service Alert No.: SA-022/26
	Last Issued : 04/09/2026

BULLETIN NOTES

APPLICABLE MODEL(S)/VINS:

2026 CX-5

DESCRIPTION

X-CODES – Record on Behavior (RoB)

In the new CX-5, only certain control modules use **Record on Behavior (RoB)**.

(Some modules, such as the 7G transmission, record control information as “Operation History (DID)” instead of RoB.)

DTC Format Change

Some Diagnostic Trouble Codes (DTCs) have been expanded from 5 digits to **12 digits**.

Example:

- Current code: **U2701:89-A0**
- New code: **XU2050:55-B0**

Display on MDARS II

Some DTCs are displayed on MDARS II health check as shown in the table below.

Meaning of the “X” Prefix

The “X” in the upper digit (first character) of the DTC means: **“It is not an error; it is just information.”** to assist with diagnostic troubleshooting.

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*** ** YCMKM0HB300100023 Battery:12.6V

Health Check Result

Caution

Enhanced Completed: 2025/07/08 13:44:14

System	Hardware	Part Number Info	Software	RoB	DTC
ID	Part No.	ID	Part No.		
data communication module(DCM)	01 KLBC-67CM0-	01 KLBC-67CK3-			
DTC	Description			Status	FFD
U2701-89	Communication lost with CDC(Ethernet) Data Transfer Failure			Current	*
Maintenance RoB					
Code	Description				
XB2D47.00	Air Data Feed failuer (Out Of Service Area)				
DC-DC converter(DCDC)	KLBC-67ZD3-	KLBC-67ZF2-		-	0
engine control module(ECM)	01 PW5H-18881-	01 PW7L-188K2-E		-	0
Integrated starter generator(IG)	PW1J-18F00-	PW1J-18WF2-C		-	0
Mazda M Hybrid					

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*** ** MAZDATEST19950906 Battery:11.0V

i-ACTIVSENSE Domain Unit(ADU) Vehicle Control History (RoB)

STATUS

Code	Behavior	Time and Date	Odometer[km]	Elapsed Time
XC2B16.A1	External Power Failure System Voltage	2294/11/21 04:19:15	54	4[d]19[h]10[m]56[s]
XC2B17.A2	Externally Powered Supply Voltage Low (Unable to use clearance sonar) System Voltage Low	2294/11/21 04:19:15	54	4[d]18[h]29[m]29[s]
XC2B16.A1	External Power Failure System Voltage	2294/11/21 04:19:15	54	4[d]18[h]29[m]12[s]
XC2B17.A2	Externally Powered Supply Voltage Low (Unable to use clearance sonar) System Voltage Low	2294/11/21 04:19:15	54	4[d]17[h]51[m]28[s]
XC2B17.A2	Externally Powered Supply Voltage Low (Unable to use clearance sonar) System Voltage Low	2294/11/21 04:19:15	54	0[d]2[h]20[m]32[s]
XC2B16.A1	External Power Failure System Voltage	2294/11/21 04:19:15	54	0[d]2[h]20[m]19[s]
XC2B17.A2	Externally Powered Supply Voltage Low (Unable to use clearance sonar) System Voltage Low	2294/11/21 04:19:15	54	-
XC2B16.A1	External Power Failure System Voltage	2294/11/21 04:19:15	54	-
XC2B23.54	Forward Millimeter-Wave Radar Sensor Axis Unadjusted Missing Calibration	2294/11/21 04:19:15	54	-
XC2B24.57	Forward Millimeter-Wave Radar Sensor Direction Failure Invalid / incompatible Software Component	2294/11/21 04:19:15	54	-
XC2B33.54	Left Rear Side Millimeter-Wave Radar Sensor Axis Unadjusted Missing Calibration	2294/11/21 04:19:15	54	-
XC2B34.57	Left Rear Side Millimeter-Wave Radar Sensor Direction Failure Invalid / incompatible Software Component	2294/11/21 04:19:15	54	-
XC2B3B.54	Right Rear Side Millimeter-Wave Radar Sensor Axis Unadjusted Missing Calibration	2294/11/21 04:19:15	54	-

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I-ACTIVSENSEドメイン-ユニット(ADU) 車両制御履歴 (RoB) 記録データ

判定結果

項目	単位	検出点	最新					1日前				
			1	2	3	4	5	検出点	1	2	3	4
コード		XC2AE6:16	XC2AE6:16	XC2AE6:16	XC2AE6:16	XC2AE6:16	XC2AE6:16	XC2AE6:16	XC2AE6:16	XC2AE6:16	XC2AE6:16	XC2AE6:16
作動内容		IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満	IR-LED電源 推奨値以下出力 回路電圧が低い値未満
走行距離 [km]		0	0	0	0	0	0	0	0	0	0	0
経過時間		-	-	-	-	-	-	-	-	-	-	-
検出日時		2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15	2294/11/21 04:19:15
VSS (車速)	km/h	0	0	0	0	0	0	0	0	0	0	0
AMB_TEMP (外気温)	C	26	26	26	26	26	26	22	22	22	22	22
APP (アクセルペダルポジション)	%	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
BRK_SW (ブレーキペダルポジション)	-	Not Stepping	Not Stepping	Not Stepping	Not Stepping	Not Stepping	Not Stepping	Not Stepping	Not Stepping	Not Stepping	Not Stepping	Not Stepping
ECT (エンジン冷却水温)	C	25	25	25	25	25	25	39	39	39	39	39
ENG_RPM (エンジン回転数)	rpm	0	0	0	0	0	0	0	0	0	0	0
ENG_RUN_TIME (エンジンスイッチON後の経過時間)	sec	0	0	0	0	0	0	0	0	0	0	0
IG_ON_TIMER (IG-ON後の経過時間)	min	59:20	53:20	53:20	55:20	57:20	57:20	209:00	204:00	205:00	207:00	207:00
MOTOR_RPM (モータ回転数)	rpm	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
POWER_MODE (エンジン-スイッチの状態)	-	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
SHIFT_POS (シフトポジション)	-	Parking	Parking	Parking	Parking	Parking	Parking	Parking	Parking	Parking	Parking	Parking
SOC (Pbバッテリー充電状態)	%	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0
SOC2 (Liバッテリー充電状態)	%	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0

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Example of RoB in MDARS II

This screen shows **RoB** (Record on Behavior) data from the **i-ACTIVSENSE Domain Unit (ADU)**.

You can see many lines with codes that start with "**XC**" (for example: XC2E17:00, XC2A7E:00, XC2E25:00, etc.).

These are **RoB records**.

What does this mean? RoB records are **not** real faults or Diagnostic Trouble Codes (DTCs). They are simply a **history log** of normal vehicle behaviors and system operations.

Examples of what these RoB records show:

- Smart Brake Support (SBS) operating during parking or low-speed driving
- Blind Spot Monitoring (BSM) operating
- Driver Monitor Camera detecting dirt or backlighting
- Lane Change Assist operating
- Steep Steering

Important Information:

- These RoB codes can appear when you read the vehicle's control history in MDARS II.
- These codes **will** be found in the Workshop Manual.
- This is completely normal.

RoB codes are internal records of normal operation — they are **not** errors and do not need to be repaired.

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Page 4 of 4

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