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Mazda CX 5 2021 Manual & Service Workshop Guide

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Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between front body control module (FBCM) and connectors C-55,C-54
- Connectors C-55,C-54 malfunction
- CAN circuit in front body control module (FBCM) malfunction

System wiring diagram

Sample

- Adaptive front lighting system (AFS) control module / auto leveling control module / turn light unit connector
- Connectors C-55,C-54
- Wiring harness between adaptive front lighting system (AFS) control module / auto leveling control module terminal A and connector C-55 (type A)
- Wiring harness between adaptive front lighting system (AFS) control module / auto leveling control module terminal B and connector C-54 (type A)
- Wiring harness between adaptive front lighting system (AFS) control module / auto leveling control module / turn light unit terminal L and connector C-55 (type B)
- Wiring harness between adaptive front lighting system (AFS) control module / auto leveling control module / turn light unit terminal M and connector C-54 (type B)
- Adaptive front lighting system (AFS) control module / auto leveling control module / turn light unit

Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between connectors C-55,C-54 and connector C-08
- Open circuit in wiring harness between connector C-08 and connector C-24
- Open circuit in wiring harness between connector C-24 and connector C-74
- Connectors C-55, C-54 malfunction
- Connector C-08 malfunction
- Connector C-24 malfunction
- Connector C-74 malfunction

System wiring diagram

- Wiring harness between power liftgate (PLG) control module terminal 1B and connector C-74
- Wiring harness between power liftgate (PLG) control module terminal 1A and connector C-74
- Power liftgate (PLG) control module

K

SKYACTIV-D 2.2

Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between connector C-74 and connector C-24
- Open circuit in wiring harness between connector C-24 and connector C-87
- Connector C-74 malfunction
- Connector C-24 malfunction
- Connector C-87 malfunction

System wiring diagram

Sample

Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- NOx sensor No.1 power supply voltage or body ground malfunction
- Open circuit in wiring harness between NOx sensor No.1 and connector C-84
- Open circuit in wiring harness between connector C-84 and connector C-87
- Connector C-84 malfunction
- Connector C-87 malfunction
- NOx sensor No.1 malfunction

System wiring diagram

Sample

- Connector C-87
- Wiring harness between NOx sensor No.2 terminal B and connector C-84
- Wiring harness between NOx sensor No.2 terminal C and connector C-84
- Wiring harness between connector C-84 and connector C-87
- NOx sensor No.2

N

Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- PM sensor power supply voltage or body ground malfunction
- Open circuit in wiring harness between PM sensor and connector C-84
- Open circuit in wiring harness between connector C-84 and connector C-87
- Connector C-84 malfunction
- Connector C-87 malfunction
- PM sensor malfunction

System wiring diagram

- Wiring harness between dosing control unit terminal BK and connector C-87
- Wiring harness between dosing control unit terminal BL and connector C-87
- Dosing control unit

P

Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between connector C-87 and connector C-71
- Connector C-87 malfunction
- Connector C-71 malfunction

System wiring diagram

Sample

- Wiring harness between audio amplifier terminal 2L and connector C-71
- Wiring harness between audio amplifier terminal 2N and connector C-71
- Audio amplifier

R

Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Electric parking brake control module power supply voltage or body ground malfunction
- Open circuit in wiring harness between electric parking brake control module and connector C-71
- Connector C-71 malfunction
- Electric parking brake control module malfunction

System wiring diagram

Sample

- Wiring harness between AWD control module terminal G and connector C-71
- Wiring harness between AWD control module terminal H and connector C-71
- AWD control module

T

Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between connector C-71 and connectors C-72, C-73
- Connector C-71 malfunction
- Connectors C-72, C-73 malfunction

System wiring diagram

Sample

- Connectors C-72, C-73
- Wiring harness between position memory control module terminal 1C and connector C-31
- Wiring harness between position memory control module terminal 1E and connector C-31
- Wiring harness between connector C-31 and connectors C-72, C-73
- Position memory control module

V

With forward sensing camera (FSC)

Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between connectors C-72, C-73 and connector C-16
- Open circuit in wiring harness between connector C-16 and connector C-19
- Open circuit in wiring harness between connector C-19 and branch A
- Connectors C-72, C-73 malfunction
- Connector C-16 malfunction
- Connector C-19 malfunction

System wiring diagram