

# Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 2021 Mazda CX-9 Service and Repair Manual

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- Wiring harness between connector C-19 and connector C-19
- Wiring harness between connector C-19 and connector C-64

## W

### Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Forward sensing camera (FSC) power supply voltage or body ground malfunction
- Open circuit in wiring harness between forward sensing camera (FSC) and branch A
- Forward sensing camera (FSC) malfunction

### System wiring diagram

Sample

**Possible cause**

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Start stop unit power supply voltage or body ground malfunction
- Open circuit in wiring harness between start stop unit and connector C-64
- Connector C-64 malfunction
- Start stop unit malfunction

**System wiring diagram**

Sample

- Wiring harness between EPS control module terminal 2B and connector C-64
- Wiring harness between EPS control module terminal 2D and connector C-64
- EPS control module

**AA**

#### **Possible cause**

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between connector C-64 and connector C-63
- Connector C-64 malfunction
- Connector C-63 malfunction

#### **System wiring diagram**

Sample

SRS air bag system. (See **AIR BAG SYSTEM SERVICE WARNINGS [TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.]**.) (See **AIR BAG SYSTEM SERVICE CAUTIONS [TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.]**.)

- SAS control module power supply voltage-related wiring harness and fuse
- SAS control module body ground related wiring harness
- SAS control module connector
- Connector C-63
- Wiring harness between SAS control module terminal 3Q and connector C-63
- Wiring harness between SAS control module terminal 3S and connector C-63
- SAS control module

## AC

### Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Connectivity master unit (CMU) power supply voltage or body ground malfunction
- Open circuit in wiring harness between connectivity master unit (CMU) and connector C-63
- Connector C-63 malfunction
- Connectivity master unit (CMU) malfunction

### System wiring diagram

— Between active driving display terminal K and active driving display terminal L

## Without active driving display

### Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Instrument cluster power supply voltage or body ground malfunction
- Open circuit in wiring harness between instrument cluster and connector C-63
- Connector C-63 malfunction
- Instrument cluster malfunction

### System wiring diagram

Sample

## Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Instrument cluster power supply voltage or body ground malfunction
- Open circuit in wiring harness between active driving display and instrument cluster
- Instrument cluster malfunction
- CAN circuit in active driving display malfunction

## System wiring diagram

Sample

M-MDS display	DTC	DTC output pattern and malfunctioning location						
DTC output module								
EATC (Climate control unit)	U0155:00	×						
PSM *1 (Parking assist unit)	U0155:00	×						
VMC *2 (360° view monitor control module)	U0100:00	×			×			
	U0131:00	×			×			
	U0140:00	×			×			
	U0155:00	×			×			
	U0159:00			×	×			
	U0214:00	×			×			
	U0232:00							×
BSML *3 (Blind spot monitoring (BSM) control module (LH))	U0155:00	×			×			
R_BCM (Rear body control module (RBCM))	U0155:00	×			×			
M-MDS display module		[Fail] display pattern						
IC		×			×			
EATC			×		×			
PSM *1				×	×			
VMC *2						×	×	
BSML *3						×		×
R_BCM						×		×
Diagnostic result								
Possible cause and inspection item		A	B	C	D	E	F	G

\*1:With parking sensor system

\*2:With 360° view monitor system

\*3:With blind spot monitoring (BSM) system

## A

### Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Instrument cluster power supply voltage or body ground malfunction
- Open circuit in wiring harness between instrument cluster and connector C-63
- Connector C-63 malfunction
- Instrument cluster malfunction



- Parking assist unit

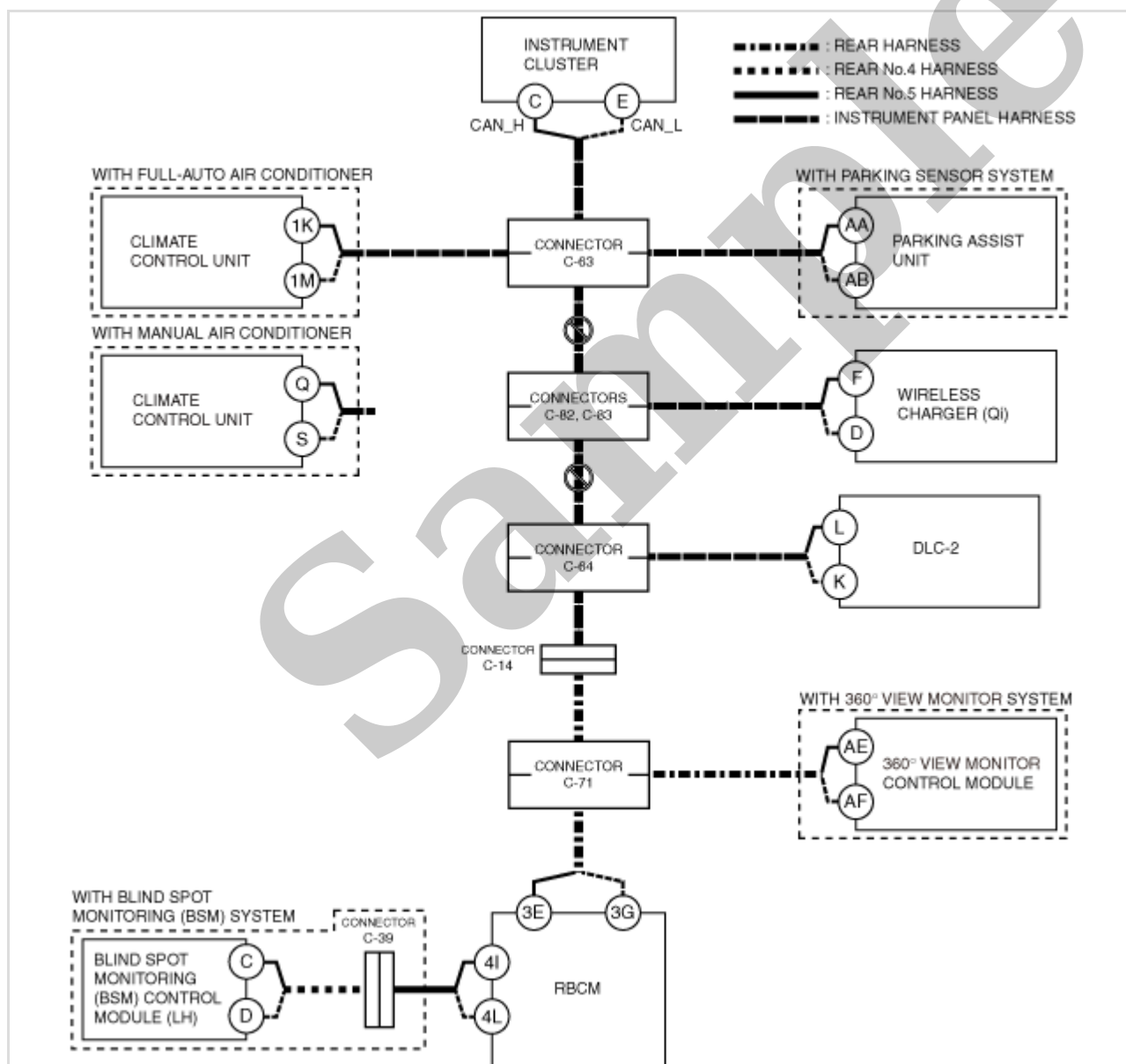
D

## With wireless charger (Qi)

### Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between connector C-63 and connectors C-82, C-83
- Open circuit in wiring harness between connectors C-82, C-83 and connector C-64
- Connector C-63 malfunction
- Connectors C-82, C-83 malfunction
- Connector C-64 malfunction

### System wiring diagram



ac5uuw00011959

### Inspection item

- Connector C-63
- Connectors C-82, C-83
- Connector C-64

- Wiring harness between 360° view monitor control module terminal AF and connector C-71
- 360° view monitor control module

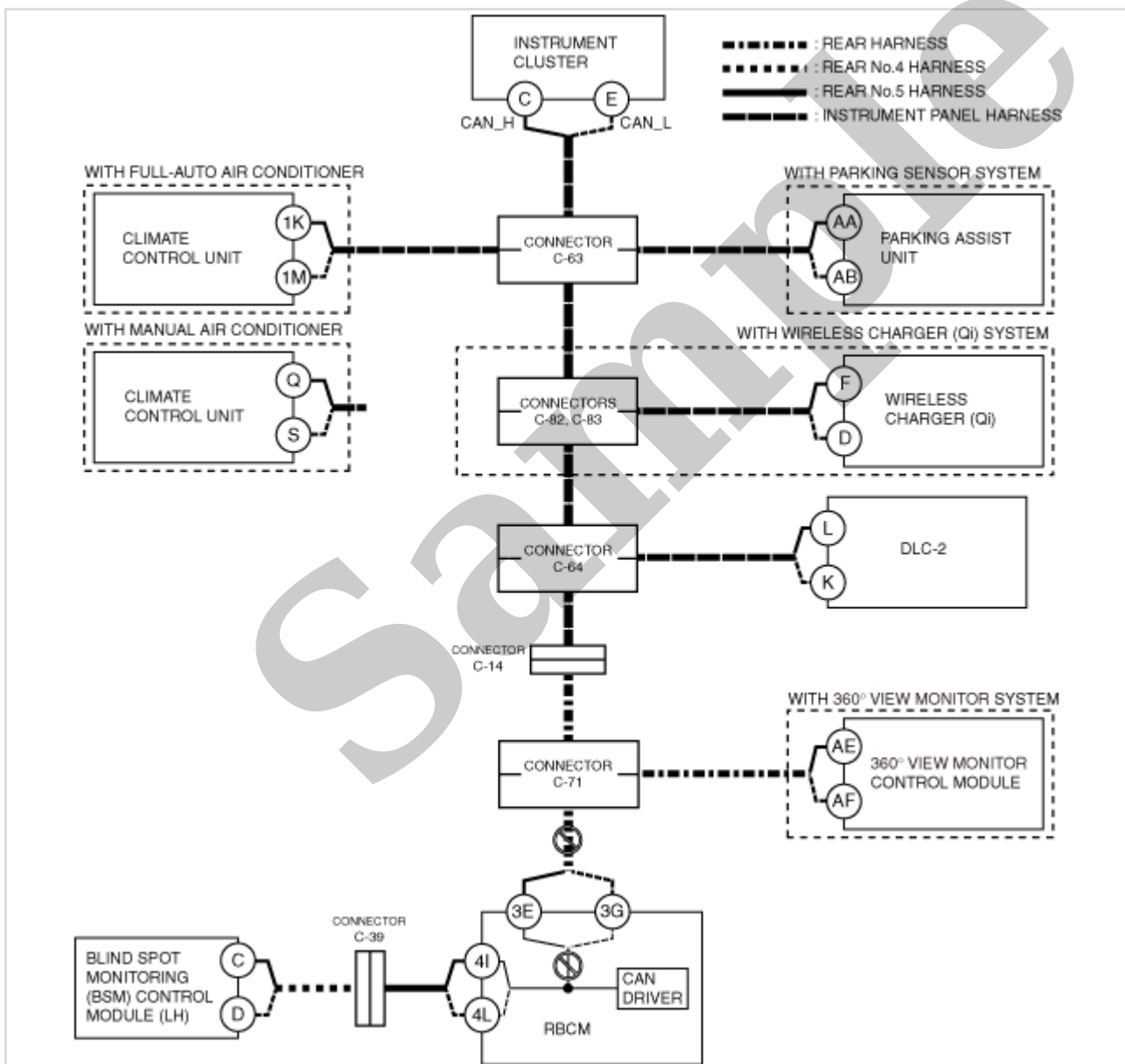
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## With blind spot monitoring (BSM) system

### Possible cause

- Connector terminal disconnection, poor contact, damage, deformation, corrosion
- Open circuit in wiring harness between connector C-71 and rear body control module (RBCM)
- Connector C-71 malfunction
- CAN circuit in rear body control module (RBCM) malfunction

### System wiring diagram



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### Inspection item

- Connector C-71
- Rear body control module (RBCM) connector
- Wiring harness between rear body control module (RBCM) terminal 3E and connector C-71
- Wiring harness between rear body control module (RBCM) terminal 3G and connector C-71