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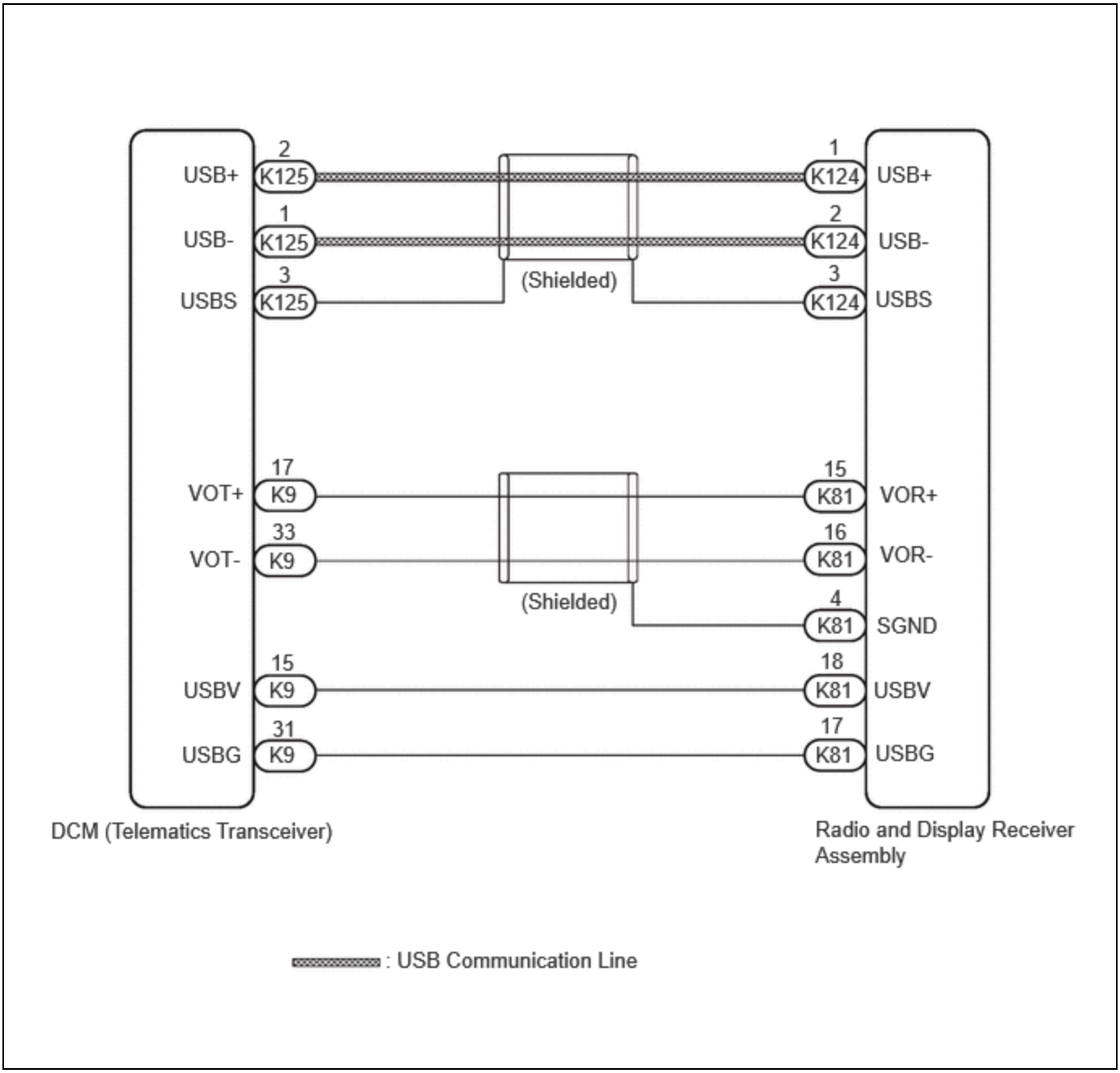
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: TELEMATICS: TELEMATICS SYSTEM: DCM Data Signal Circuit between Radio Receiver and DCM; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DCM Data Signal Circuit between Radio Receiver and DCM

DESCRIPTION

This circuit is used to send and receive signals between the DCM (telematics transceiver) and the radio and display receiver assembly.

WIRING DIAGRAM



PROCEDURE

1.	**CHECK HARNESS AND CONNECTOR (DCM (TELEMATICS TRANSCEIVER) - RADIO AND DISPLAY RECEIVER ASSEMBLY)**

(a) Disconnect the K9 and K125 DCM (telematics transceiver) connector.

(b) Disconnect the K81 and K124 radio and display receiver assembly connector.

(c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

EWD INFO

Click Location & Routing(K9,K81,K125,K124)
Click Connector(K9)
Click Connector(K81)
Click Connector(K125)
Click Connector(K124)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K9-15 (USBV) - K81-18 (USBV)	Always	Below 1 Ω
K9-31 (USBG) - K81-17 (USBG)	Always	Below 1 Ω
K9-17 (VOT+) - K81-15 (VOR+)	Always	Below 1 Ω
K9-33 (VOT-) - K81-16 (VOR-)	Always	Below 1 Ω
K125-2 (USB+) - K124-1 (USB+)	Always	Below 1 Ω
K125-1 (USB-) - K124-2 (USB-)	Always	Below 1 Ω
K125-3 (USBS) - K124-3 (USBS)	Always	Below 1 Ω
K9-15 (USBV) or K81-18 (USBV) - Body ground	Always	10 kΩ or higher
K9-31 (USBG) or K81-17 (USBG) - Body ground	Always	10 kΩ or higher
K9-17 (VOT+) or K81-15 (VOR+) - Body ground	Always	10 kΩ or higher
K9-33 (VOT-) or K81-16 (VOR-) - Body ground	Always	10 kΩ or higher
K81-4 (SGND) - Body ground	Always	10 kΩ or higher
K125-2 (USB+) or K124-1 (USB+) - Body ground	Always	10 kΩ or higher
K125-1 (USB-) or K124-2 (USB-) - Body ground	Always	10 kΩ or higher
K125-3 (USBS) or K124-3 (USBS) - Body ground	Always	10 kΩ or higher

OK ▶ **PROCEED TO NEXT SUSPECTED AREA SHOWN IN PROBLEM SYMPTOMS TABLE**

NG ▶ **REPAIR OR REPLACE HARNESS OR CONNECTOR**