Networking: Multiplex Communication System: System Diagram

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Title: NETWORKING: MULTIPLEX COMMUNICATION SYSTEM: SYSTEM DIAGRAM; 2017 MY Prius Prime [09/2016 -]		

SYSTEM DIAGRAM

DLC3

CAN (Diagnosis Bus)

Occupant Detection ECU

Steering Sensor

Power Steering ECU Assembly

CAN (Bus 4)

Brake Booster with Master Cylinder Assembly

Airbag Sensor Assembly

ECM

Hybrid Vehicle Control ECU

Central Gateway ECU (Network Gateway ECU)

CAN (Bus 2)

Inverter with Converter Assembly

Battery ECU Assembly

Electric Vehicle Charger Assembly

ID Code Box (Immobiliser Code ECU)

LIN (Certification Bus)

Combination Meter Assembly

Headup Display*

Certification ECU (Smart Key ECU Assembly)

CAN (Bus 5)

No. 1 Headlight ECU Sub-assembly LH

*: Models with Headup Display System

CAN (Bus 5)

Rain Sensor*1

Air Conditioning Control Assembly*2

Air Conditioning Amplifier Assembly

LIN (Wiper Bus)*1

LIN (Air Conditioning Bus)*2

Windshield Wiper
Relay Assembly*1

Navigation Receiver Assembly

Main Body ECU
(Multiplex Network
Body ECU)

CAN (Bus 3)

AVC-LAN*3

Central Gateway
ECU (Network
Gateway ECU)

Option Connector
(Bus Buffer ECU)

DCM (Telematics
Transceiver)*4

Stereo Component
Amplifier Assembly*3

Power Window Regulator Motor
Assembly (Front Passenger)

LIN (Door Bus)

Power Window Regulator Motor
Assembly (Rear RH)

Multiplex Network Master Switch
Assembly

Power Window Regulator Motor
Assembly (Rear LH)

LIN (Door Bus)

Power Window Regulator Motor
Assembly (Driver)

*1: Models with Rain Sensing Function

*2: Models with Navigation System (Standard Model)

*3: Models with Navigation System (JBL Premium Model)

*4: Models with Telematics Transceiver

Central Gateway ECU (Network Gateway ECU)

Forward Recognition Camera

Driving Support ECU Assembly

Millimeter Wave Radar Sensor Assembly

CAN (Bus 1)

Swing Grille Actuator Assembly

Clearance Warning ECU Assembly*1

Blind Spot Monitor Sensor LH*2

*1: Models with Intelligent Clearance Sonar System

*2: Models with Blind Spot Monitor System