

The diagram illustrates the electrical system for the 2017 Toyota Mirai, showing the power distribution from three main sources: ACC (7.5A), BAT (10A ECU-B), and IG (10A ECU-IG NO.2). The wiring is organized into four main sections, numbered 1 through 4.

Section 1: Power Sources and Junction Connectors

- ACC (7.5A):** Connected to junction connector G165(A), G167(B), G168(C), and G169(D). It provides power to the ACC terminal (9A) and the IG1 terminal (7A) of the IG1 junction connector.
- BAT (10A ECU-B):** Connected to junction connector G106. It provides power to the BAT terminal (2A) and the IG1 terminal (7A) of the IG1 junction connector.
- IG (10A ECU-IG NO.2):** Connected to junction connector G126(A), G127(B), and G164(A), G165(B). It provides power to the IG terminal (8A) and the IG1 terminal (7A) of the IG1 junction connector.

Section 2: IG1 Junction Connector and Power Distribution

- The IG1 junction connector (G126(A), G127(B)) is a central hub for the IG1 terminal (7A) and the IG terminal (8A). It provides power to the IG1 terminal (7A) and the IG terminal (8A) of the IG1 junction connector.
- The IG1 terminal (7A) is connected to the IG1 terminal (7A) of the IG1 junction connector.
- The IG terminal (8A) is connected to the IG terminal (8A) of the IG1 junction connector.

Section 3: Power Distribution to Components

- Front Television Camera Assembly (A52):** Connected to the IG1 terminal (7A) and the IG terminal (8A) of the IG1 junction connector. It provides power to the BGND, BCB+, BCV+, and BCV- terminals.
- Outer Rear View Mirror Assembly LH (K2):** Connected to the IG1 terminal (7A) and the IG terminal (8A) of the IG1 junction connector. It provides power to the DGND, DCB+, DCV+, DCV-, SGND, SCB+, SCV+, and SCV- (LHD/RHD) terminals.
- Outer Rear View Mirror Assembly RH (J3):** Connected to the IG1 terminal (7A) and the IG terminal (8A) of the IG1 junction connector. It provides power to the SGND, SCB+, SCV+, DCV-, DGND, DCB+, SCV+, and SCV- (LHD/RHD) terminals.

Section 4: Grounding and Shielding

- The diagram shows grounding points for the IG1 terminal (7A) and the IG terminal (8A) of the IG1 junction connector.
- Shielding is indicated for the IG1 terminal (7A) and the IG terminal (8A) of the IG1 junction connector.

OVERALL ELECTRICAL WIRING DIAGRAM

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