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[illegible]

Figure 1: Block diagram of the test system. The diagram illustrates the electrical connections between various components. At the top, three input sources are shown: (BAT) 10A DOME, (IG) 7.5A GAUGE NO. 2, and (BAT) 10A MPX-B. These are connected to a central unit via lines labeled LG, GR, and SB. The central unit contains a Power Supply Circuit, Micro Computer, CAN I/F, and Drive IC. It is connected to various sensors and actuators, including F1(A) Combination Meter, SPS, and various junction connectors (CA3, C57). The diagram also shows a detailed view of the Power Supply Circuit and Micro Computer.

* 1 : w/ Side Airbag

* 2 : 2GR-
* 3 : 2AZ-

The diagram shows the wiring for four Side Airbag Sensors. Each sensor is represented by a blue box with two terminals. The wiring is as follows:

- N7 Side Airbag Sensor (Front LH):** Terminal 1 (BCL+) is connected to a red wire (R) and terminal 2 (BCL-) is connected to a green wire (G).
- O7 Side Airbag Sensor (Front RH):** Terminal 1 (BCR+) is connected to a red wire (R) and terminal 2 (BCR-) is connected to a green wire (G).
- C9 Side Airbag Sensor (Rear LH):** Terminal 1 (BCL+) is connected to a red wire (R) and terminal 2 (BCL-) is connected to a green wire (G).
- N3 Side Airbag Sensor (Rear RH):** Terminal 1 (BCR+) is connected to a red wire (R) and terminal 2 (BCR-) is connected to a green wire (G).

Wiring diagram for the A24(A), A55(B) Engine ECU. The diagram shows the ECU connected to two fuel injectors (FE1) and a CAN bus. The ECU has pins 41 (B), 41 (A), 49 (B) (*2), and 49 (A) (*3). The CAN bus is labeled CANH and CANL. The fuel injectors are labeled FE1 and are connected to pins 15 and 14. The diagram also shows the ECU connected to a power source (W) and ground (B).

[illegible]

E16
Airbag Squib
(Steering Wheel Pad)

c1(A), c2(B)
Airbag Squib
(Front Passenger's
Airbag Assembly)

Z1
Side Airbag
Squib (LH)

Y1
Side Airbag
Squib (RH)

E49
Junction
Connector

W-B

E1

E2

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N12
Side Airbag
(Rear LH)

C9
Side Airbag
(Rear RH)

N3
Front Seat Inner Belt (Front LH)

E16
Airbag Squib
(Steering Wheel Pad)

c1(A), c2(B)
Airbag Squib
(Front Passenger's
Airbag Assembly)

Z1
Side Airbag
Squib (LH)

Y1
Side Airbag
Squib (RH)

E49
Junction
Connector

W-B

E1

E2

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N12
Side Airbag
(Rear LH)

C9
Side Airbag
(Rear RH)

N3
Front Seat Inner Belt (Front LH)

NOTICE : When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

* Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.

* Work must be started more than 90 seconds after the ignition SW is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.
(The SRS is equipped with a back-up power source so that if work is started within 90 seconds from disconnecting the negative (-) terminal cable of the battery, the SRS may deploy.)

* When the negative (-) terminal cable is disconnected from the battery, the memory of the clock and audio system will be cleared. So before starting work, make a record of the contents in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. Some vehicles have power tilt steering, power telescopic steering, power seat and power outside rear view mirror which are all equipped with memory function. However, it is not possible to make a record of these memory contents. So when the work is finished, it will be necessary to explain it to your customer, and ask the customer to adjust the features and reset the memory. To avoid erasing the memory in each system, never use a back-up power supply from outside the vehicle.

* Before repair, remove the airbag sensor if shocks are likely to be applied to the sensor during repair.

* Do not expose the following parts directly to hot air or flame;

* Even in cases of a minor collision where the SRS does not deploy, the following parts should be inspected:

* Never use SRS parts from another vehicle. When replacing parts, replace with new parts.

* For the purpose of reuse, never disassemble and repair the following parts.

* If the following parts have been dropped, or have cracks, dents and other defects in their case, bracket, and connector replace with new one.

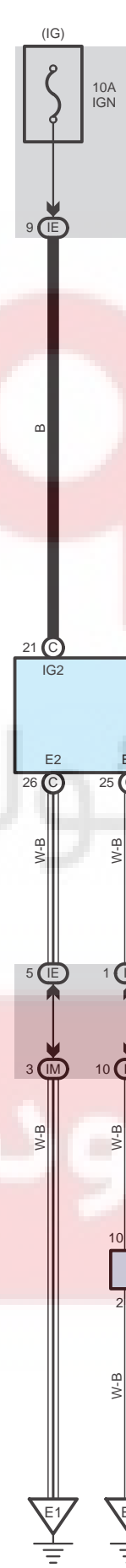
* Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting electrical circuits of the system.

* Information labels are attached to the periphery of the SRS components. Follow the instructions of the notice.

* After work on the SRS is completed, check the SRS warning light.

* If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

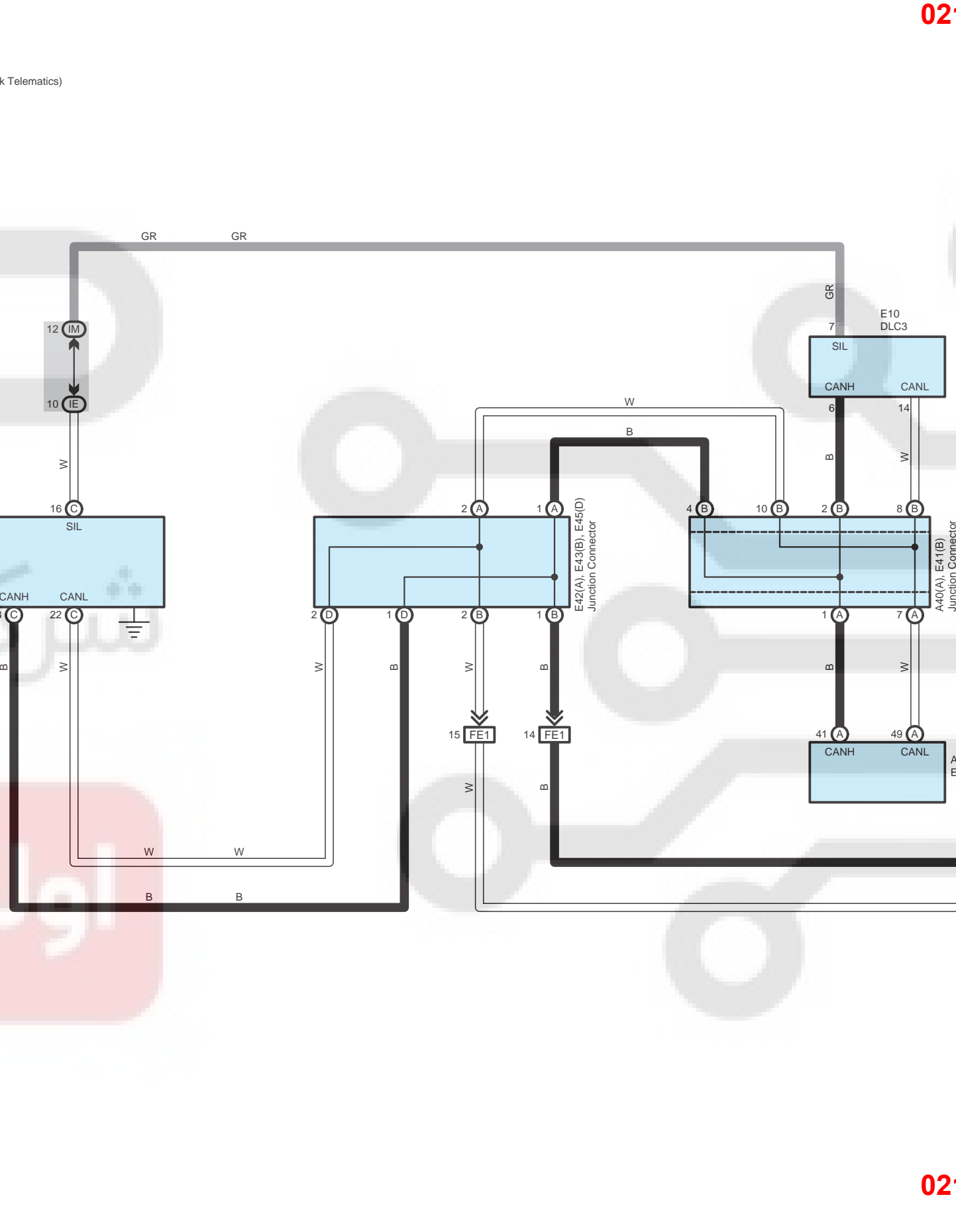
- * Steering wheel pad
- * Front passenger airbag assembly
- * Side airbag assembly
- * Curtain shield airbag assembly
- * Seat belt pretensioner
- * Center airbag sensor assembly
- * Front airbag sensor assembly
- * Side airbag sensor assembly
- * Rear airbag sensor assembly



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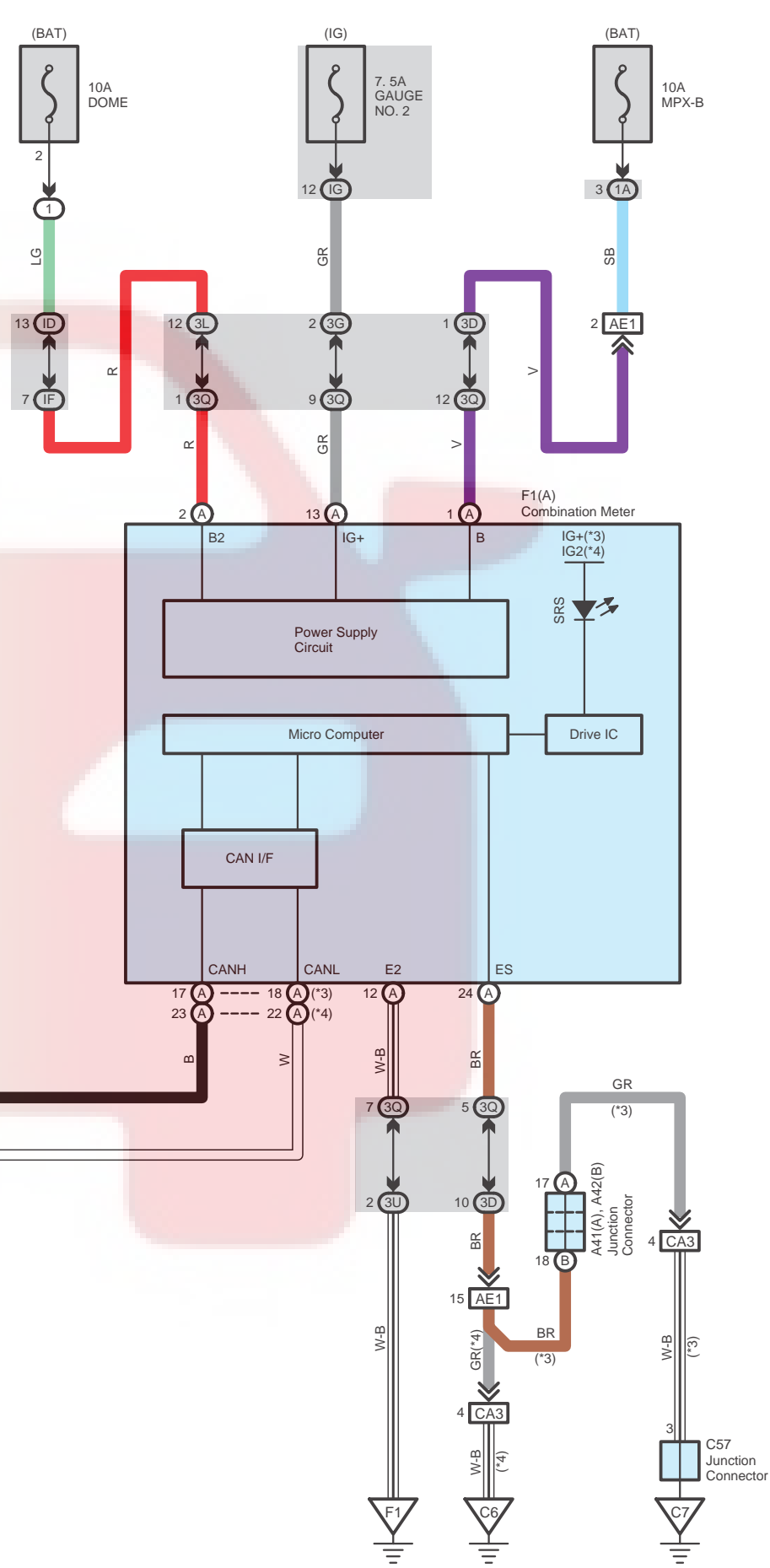
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- * 1 : w/ Side Airbag
- * 2 : w/ Option Connector (TOYOTA Link Telematics)



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- * 3 : 2GR-FE
- * 4 : 2AZ-FE