

Warning Indicator Active Circuit

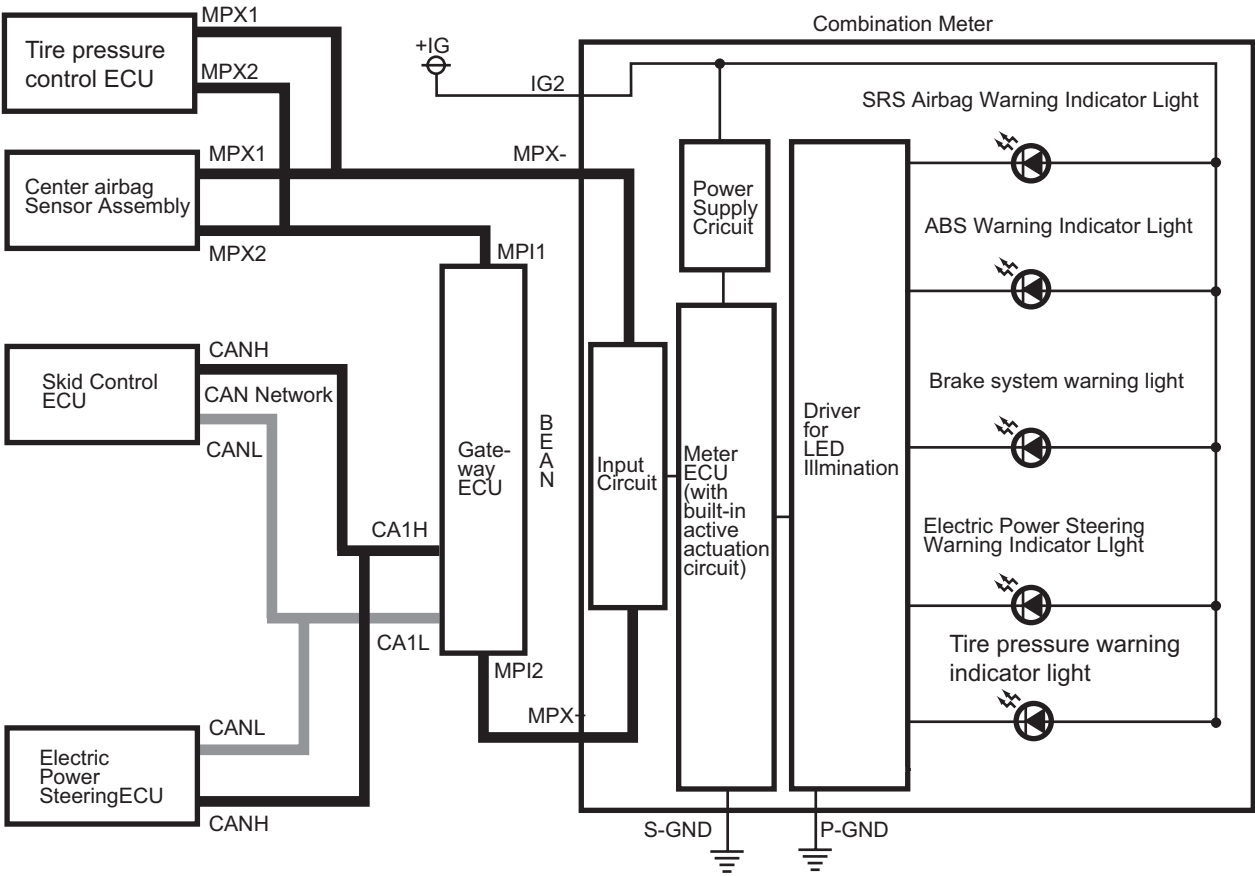
- An active circuit is used to cause the combination meter to effect control to illuminate the operation/warning indicator light of the corresponding system, if a wiring or communication failure occurs in the connection between the combination meter and some of the ECUs.
- An active circuit is provided to the indicator lights for the SRS airbag, ABS, brake, electronic power steering, tire pressure. If a wiring or communication failure occurs between the combination meter and the respective system (such as incompletely coupled connectors, wedged wiring harnesses, or open circuits), the combination meter effects control to illuminate the operation/warning indicator light of the corresponding system to alert the driver of the failure.

Warning Indicator Active Circuit Operation

- Ordinarily, each ECU monitors the operating condition or failure of its own system and transmits the operation/warning indicator light illumination request signal to the meter ECU via the routes shown in the table, in order to illuminate the warning indicator light of the corresponding system.
- If the meter ECU detects a connection or communication failure in the transmission route of the operation/warning indicator light illumination request signal, its built-in active actuation circuit will illuminate the respective operation/warning indicator light in accordance with the state of the detected failure.

Transmission route of operation/warning indicator light illumination request signal (corresponding to active actuation)

Transmission Source of Illumination Request Signal	Signal Route	Indicator Light to Illuminate
Center airbag sensor assembly	->Body Electronics Area Network(BEAN)->Meter ECU	• SRS airbag warning
SKid control ECU	->(CAN network)->Gateway ECU->Body Electronics Area Network(BEAN)->Meter ECU	• ABS warning • Brake system warning
Electric power steering ECU	->(CAN network)->Gateway ECU->(Body Electronics Area Network(BEAN)->Meter ECU	• Electric power steering warning
Tire pressure ECU	->Body electronics area network(BEAN)->Meter ECU	• Tire pressure warning



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