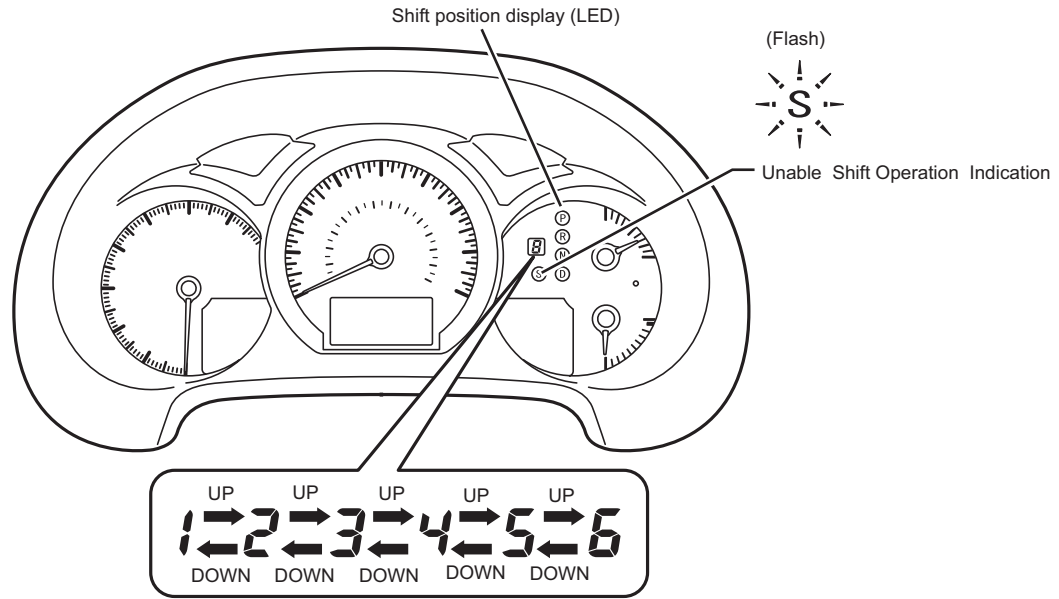


## Shift Position Indicator

- A shift position indicator is used. It receives a signal from the engine ECU via the BEAN (Body Electronics Area Network) and indicates the present shift position and the shift range during the "S" mode.
- The shift position indicator is located on the right side of the combination meter. It consists of a combination of LEDs (Light Emitting Diodes) and an LCD (Liquid Crystal Display) to indicate the present shift position and shift range.



A4270355B

### Shift Position Indication Function

- Indicates the present shift position by illuminating one of the following LEDs: "P", "R", "N", "D", or "S".

### Shift Range Indication Function

- When the driver moves the shift lever to the "S" position, this function indicates the shift position through the use of Arabic numerals consisting of 7 segments.
- If it is unable to shift, the engine ECU outputs a signal in order to flash the "S" position.

### Shift Position Signal Failure Indication Function

- If the meter ECU simultaneously receives multiple shift position signals (P, R, N, D, and S) indicated by LEDs, it will indicate the multiple shift positions in accordance with the states of the signals. If the meter ECU simultaneously receives multiple shift range signals, or if it cannot receive none of the shift range signals, the meter ECU will turn OFF all the shift range indications on the LCD.

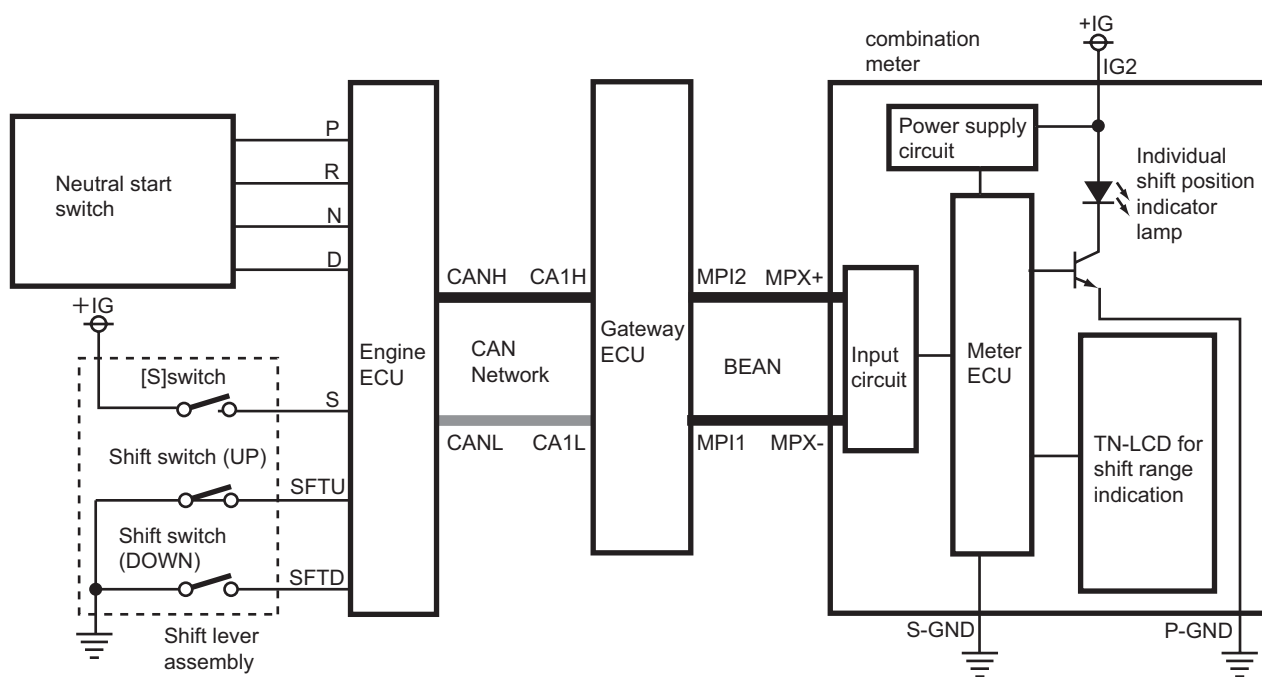
## Shift Position Indicator Operation

### Shift position indication

- The engine ECU receives the input of the shift position signal from the neutral start switch and transmits it to the gateway ECU in the form of a CAN (Controller Area Network) signal. The meter ECU receives this signal from the gateway ECU in the form of a BEAN (Body Electronics Area Network) signal in order to illuminate the corresponding shift position indicator light (LED).

### Shift range indication

- When the engine ECU receives the input of the "S" shift position signal, it simultaneously receives the input of an UP/DOWN shift switch operation signal, and transmits them to the gateway ECU in the form of a CAN (Controller Area Network) signal. Upon receiving these signals from the gateway ECU in the form of a BEAN (Body Electronics Area Network) signal, the meter ECU actuates the built-in LCD driver. Then, it uses Arabic numerals to indicate the presently selected shift range on the shift range display LCD.



A4270619B