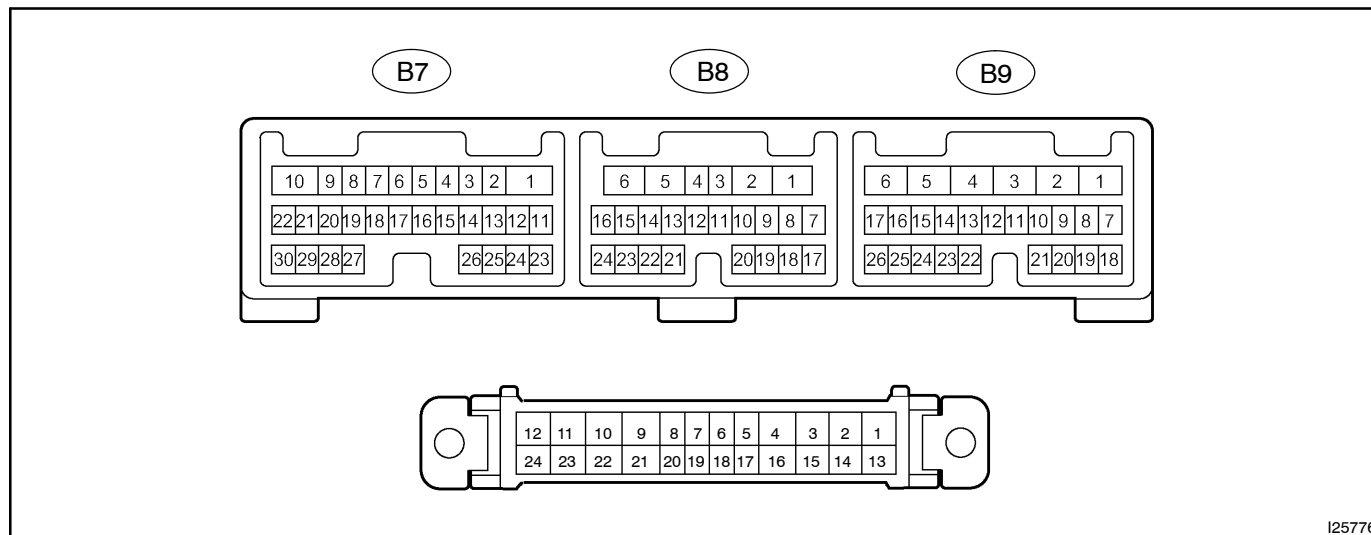


# TERMINALS OF ECU

## 1. BODY ECU (Main)



I25776

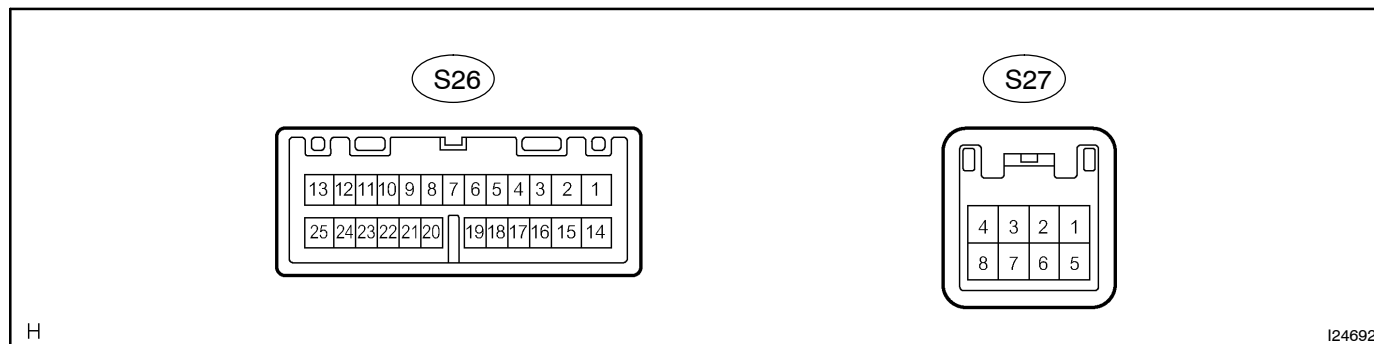
| Symbols (Terminals No.)                  | Wiring Color    | Condition                                               | Specified Condition                                                                                      |
|------------------------------------------|-----------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| GND1 ↔ Body ground<br>(4 ↔ Body ground)  | – ↔ Body ground | Always                                                  | Below 1 V                                                                                                |
| LSR ↔ Body ground<br>(5 ↔ Body ground)   | – ↔ Body ground | RR / RL / Back door lock switch is unlock position      | Below 1 V                                                                                                |
| SIG ↔ Body ground<br>(10 ↔ Body ground)  | – ↔ Body ground | Ignition switch is ON                                   | 10 – 14 V                                                                                                |
| BECU ↔ Body ground<br>(11 ↔ Body ground) | – ↔ Body ground | Always                                                  | 10 – 14 V                                                                                                |
| BDR1 ↔ Body ground<br>(12 ↔ Body ground) | – ↔ Body ground | Always                                                  | 10 – 14 V                                                                                                |
| ILE ↔ Body ground<br>(13 ↔ Body ground)  | – ↔ Body ground | Key cylinder illumination is ON                         | Below 1 V                                                                                                |
| SPD ↔ Body ground<br>(14 ↔ Body ground)  | – ↔ Body ground | Ignition switch ON and slowly move the wheel            | Pulse signal is output<br>below 1.5V ↔ approx.<br>5 V<br>or<br>below 1.5 V ↔ battery<br>positive voltage |
| UL1 ↔ Body ground<br>(15 ↔ Body ground)  | – ↔ Body ground | Driver door lock control switch is UNLOCK position      | Below 1 V                                                                                                |
| GND2 ↔ Body ground<br>(16 ↔ Body ground) | – ↔ Body ground | Always                                                  | Below 1 V                                                                                                |
| HRLY ↔ Body ground<br>(17 ↔ Body ground) | – ↔ Body ground | Ignition switch is ON                                   | 10 – 14 V                                                                                                |
| TRLY ↔ Body ground<br>(18 ↔ Body ground) | – ↔ Body ground | Ignition switch is ON                                   | 10 – 14 V                                                                                                |
| L1 ↔ Body ground<br>(19 ↔ Body ground)   | – ↔ Body ground | Driver door lock control switch is LOCK position        | Below 1 V                                                                                                |
| L2 ↔ Body ground<br>(20 ↔ Body ground)   | – ↔ Body ground | Driver door key lock and unlock switch is LOCK position | Below 1 V                                                                                                |
| ACC ↔ Body ground<br>(22 ↔ Body ground)  | – ↔ Body ground | Ignition switch is ACC position                         | 10 – 14 V                                                                                                |

|                                             |                   |                                                                                    |                                          |
|---------------------------------------------|-------------------|------------------------------------------------------------------------------------|------------------------------------------|
| ACT+ ↔ ACT-<br>(23 ↔ 24)                    | - ↔ -             | Door lock motor is operated                                                        | 10 – 14 V                                |
| LMRY ↔ Body ground<br>(B7-3 ↔ Body ground)  | R-W ↔ Body ground | Ignition switch is ON                                                              | 10 – 14 V                                |
| DRL ↔ Body ground<br>(B7-7 ↔ Body ground)   | R-Y ↔ Body ground | Ignition switch is ON                                                              | 10 – 14 V                                |
| ACTD ↔ Body ground<br>(B7-10 ↔ Body ground) | L-B ↔ Body ground | Driver door lock motor is operated                                                 | 10 – 14 V                                |
| MPX4<br>(B7-11)                             | W ↔ Body ground   | Multiplex communication circuit                                                    | -                                        |
| DBKL ↔ Body ground<br>(B7-13 ↔ Body ground) | G ↔ Body ground   | Driver seat buckle switch is ON (Seat belt is fastend)                             | Below 1 V                                |
| L ↔ Body ground<br>(B7-14 ↔ Body ground)    | B-O ↔ Body ground | Engine is running                                                                  | 6.0 – 14 V                               |
|                                             |                   | Engine is stoped                                                                   | Below 2 V                                |
| UL2 ↔ Body ground<br>(B7-22 ↔ Body ground)  | G-B ↔ Body ground | Door key lock and unlock switch is in LOCK position                                | Below 1 V                                |
| MPX1<br>(B7-24)                             | B ↔ Body ground   | Multiplex communication circuit                                                    | -                                        |
| PCYL ↔ Body ground<br>(B7-25 ↔ Body ground) | G-B ↔ Body ground | Ignition switch is ON                                                              | 10 – 14 V                                |
| DCYL ↔ Body ground<br>(B7-26 ↔ Body ground) | G-W ↔ Body ground | Ignition switch is ON                                                              | 10 – 14 V                                |
| LSWP ↔ Body ground<br>(B7-30 ↔ Body ground) | L-O ↔ Body ground | Passenger door lock switch is UNLOCK position                                      | Below 1 V                                |
| PKB ↔ Body ground<br>(B8-2 ↔ Body ground)   | R-W ↔ Body ground | Parking brake switch is ON                                                         | Below 1 V                                |
| PRG ↔ Body ground<br>(B8-3 ↔ Body ground)   | V ↔ Body ground   | Key inserted in ignition key cylinder → As key pulled out of ignition key cylinder | 10 – 14 V → Pulse generation → 10 – 14 V |
| RDA ↔ Body ground<br>(B8-4 ↔ Body ground)   | L ↔ Body ground   | Ignition switch off, all doors closed and transmitter switch not pressed           | 10 – 14 V                                |
|                                             |                   | Ignition switch off, all doors closed and transmitter switch pressed               | Pulse generation                         |
| LP ↔ Body ground<br>(B8-6 ↔ Body ground)    | G-Y ↔ Body ground | Rear room light position is DOOR                                                   | 10 – 14 V                                |
| BCTY ↔ Body ground<br>(B8-7 ↔ Body ground)  | R-L ↔ Body ground | Back door courtesy switch is ON (Door is opened)                                   | Below 1 V                                |
| RLCY ↔ Body ground<br>(B8-11 ↔ Body ground) | R-L ↔ Body ground | RL door courtesy switch is ON (Door is opened)                                     | Below 1 V                                |
| RRCY ↔ Body ground<br>(B8-12 ↔ Body ground) | R-G ↔ Body ground | RR door courtesy switch is ON (Door is opened)                                     | Below 1 V                                |
| MPX5<br>(B8-14)                             | W ↔ Body ground   | Multiplex communication circuit                                                    | -                                        |
| MPX6<br>(B8-16)                             | W ↔ Body ground   | Multiplex communication circuit                                                    | -                                        |
| P ↔ Body ground<br>(B8-17 ↔ Body ground)    | G-W ↔ Body ground | Park / Neutral position switch is in P position                                    | 10 – 14 V                                |
| LCYL ↔ Body ground<br>(B8-21 ↔ Body ground) | G-Y ↔ Body ground | Ignition switch is ON                                                              | 10 – 14 V                                |
| RCYL ↔ Body ground<br>(B8-22 ↔ Body ground) | G-R ↔ Body ground | Ignition switch is ON                                                              | 10 – 14 V                                |

## DIAGNOSTICS – BODY CONTROL SYSTEM

|                                             |                   |                                                       |             |
|---------------------------------------------|-------------------|-------------------------------------------------------|-------------|
| DCTY ↔ Body ground<br>(B8-23 ↔ Body ground) | R-Y ↔ Body ground | Driver door courtesy switch is ON (Door is opened)    | Below 1 V   |
| PCTY ↔ Body ground<br>(B8-24 ↔ Body ground) | R-B ↔ Body ground | Passenger door courtesy switch is ON (Door is opened) | Below 1 V   |
| HEAD ↔ Body ground<br>(B9-1 ↔ Body ground)  | R-W ↔ Body ground | Headlight control switch position is HEAD             | Below 1 V   |
| HU ↔ Body ground<br>(B9-2 ↔ Body ground)    | R-Y ↔ Body ground | Headlight dimmer switch position is Hi-Beam           | Below 1 V   |
| A ↔ Body ground<br>(B9-3 ↔ Body ground)     | G-O ↔ Body ground | Headlight control switch position is AUTO             | Below 1 V   |
| CLTS ↔ Body ground<br>(B9-4 ↔ Body ground)  | Y ↔ Body ground   | Automatic light communication circuit is ON           | Below 1 V   |
| CLTB ↔ Body ground<br>(B9-6 ↔ Body ground)  | R ↔ Body ground   | Ignition switch is ON                                 | 10 – 14 V   |
| HF ↔ Body ground<br>(B9-7 ↔ Body ground)    | R-B ↔ Body ground | Headlight dimmer switch position is Hi-Flasher        | Below 1 V   |
| TAIL ↔ Body ground<br>(B9-8 ↔ Body ground)  | G-B ↔ Body ground | Headlight control switch position is TAIL             | Below 1 V   |
| DRLP ↔ Body ground<br>(B9-12 ↔ Body ground) | G-Y ↔ Body ground | Ignition switch is ON, Open door warning light is ON  | Below 1.2 V |
| KSW ↔ Body ground<br>(B9-14 ↔ Body ground)  | R-B ↔ Body ground | Key is inserted in key cylinder                       | Below 1 V   |
| HF2 ↔ Body ground<br>(B9-20 ↔ Body ground)  | R-W ↔ Body ground | Ignition switch is ON                                 | 10 – 14 V   |
| CLTE ↔ Body ground<br>(B9-21 ↔ Body ground) | BR ↔ Body ground  | Always                                                | Below 1 V   |

## 2. BODY ECU (Sub)



| Symbols (Terminal No.)                       | Wiring Color      | Condition                                                                           | STD Voltage (V)       |
|----------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-----------------------|
| RWLM ⇔ Body ground<br>(S26-1 ⇔ Body ground)  | L-O ⇔ Body ground | Ignition switch ON                                                                  | 10 – 14 V             |
| W ⇔ Body ground<br>(S26-2 ⇔ Body ground)     | L ⇔ Body ground   | Ignition switch OFF → ON                                                            | Below 1 V → 10 – 14 V |
| SIG ⇔ Body ground<br>(S26-3 ⇔ Body ground)   | B-W ⇔ Body ground | Ignition switch OFF → ON                                                            | Below 1 V → 10 – 14 V |
| BECU ⇔ Body ground<br>(S26-4 ⇔ Body ground)  | L-W ⇔ Body ground | Always                                                                              | 10 – 14 V             |
| WRLO ⇔ Body ground<br>(S26-5 ⇔ H-1)          | L-B ⇔ Body ground | Ignition switch ON and rear wiper switch LO                                         | Below 1 V             |
| L/FS ⇔ Body ground<br>(S26-6 ⇔ H-1)          | B ⇔ Body ground   | Ignition switch ON, light control switch TAIL or HEAD and tailight bulb burnt out   | Below 1 V             |
| L/FS ⇔ Body ground<br>(S26-6 ⇔ H-1)          | B ⇔ Body ground   | Ignition switch ON, light control switch TAIL or HEAD and stop light bulb burnt out | Below 1 V             |
| BTIL ⇔ Body ground<br>(S26-7 ⇔ H-1)          | G ⇔ Body ground   | Light control switch TAIL or HEAD                                                   | Below 1 V             |
| TIL1 ⇔ Body ground<br>(S26-8 ⇔ H-1)          | G ⇔ Body ground   | Light control switch TAIL or HEAD                                                   | Below 1 V             |
| STP2 ⇔ Body ground<br>(S26-10 ⇔ H-1)         | G-W ⇔ Body ground | Stop light switch OFF → ON (brake pedal free → depressed)                           | 10–14 V → Below 1 V   |
| STP1 ⇔ Body ground<br>(S26-11 ⇔ H-1)         | G-W ⇔ Body ground | Stop light switch OFF → ON (brake pedal free → depressed)                           | 10–14 V → Below 1 V   |
| STP1 ⇔ Body ground<br>(S26-12 ⇔ H-1)         | G-W ⇔ Body ground | Stop light switch OFF → ON (brake pedal free → depressed)                           | 10–14 V → Below 1 V   |
| BSTP ⇔ Body ground<br>(S26-13 ⇔ H-1)         | G-W ⇔ Body ground | Stop light switch OFF → ON (brake pedal free → depressed)                           | 10–14 V → Below 1 V   |
| RWSM ⇔ Body ground<br>(S26-14 ⇔ Body ground) | L-Y ⇔ Body ground | Ignition switch ON and front wiper stop position → Except stop position             | Below 2 V → 6 – 14 V  |
| S/M ⇔ Body ground<br>(S26-15 ⇔ Body ground)  | L-W ⇔ Body ground | Ignition switch ON and front wiper stop position → Except stop position             | Below 2 V → 6 – 14 V  |
| RSPT ⇔ Body ground<br>(S26-16 ⇔ Body ground) | G-W ⇔ Body ground | Each doors are opened → all doors are closed                                        | Below 1 V → 10 – 14 V |
| LSPT ⇔ Body ground<br>(S26-17 ⇔ Body ground) | G-W ⇔ Body ground | Each doors are opened → all doors are closed                                        | Below 1 V → 10 – 14 V |
| CSPT ⇔ Body ground<br>(S26-18 ⇔ Body ground) | G-W ⇔ Body ground | Ignition switch OFF → ON                                                            | 10 – 14 V → Below 1 V |
| WRIN ⇔ Body ground<br>(S26-19 ⇔ Body ground) | L-Y ⇔ Body ground | Ignition switch ON and rear wiper switch INT                                        | Below 1 V             |

## DIAGNOSTICS – BODY CONTROL SYSTEM

|                                              |                   |                                                                          |                              |
|----------------------------------------------|-------------------|--------------------------------------------------------------------------|------------------------------|
| TIL1 ⇔ Body ground<br>(S26-20 ⇔ Body ground) | G ⇔ Body ground   | Light control switch TAIL or HEAD                                        | Below 1 V                    |
| TIL2 ⇔ Body ground<br>(S26-21 ⇔ Body ground) | G ⇔ Body ground   | Light control switch TAIL or HEAD                                        | Below 1 V                    |
| ILEN ⇔ Body ground<br>(S26-23 ⇔ Body ground) | W-G ⇔ Body ground | Ignition switch ON, rheostat volume fully left side → turn to right side | Below 1 V → pulse generation |
| SG ⇔ Body ground<br>(S26-24 ⇔ Body ground)   | BR ⇔ Body ground  | Always                                                                   | Below 1 V                    |
| GND ⇔ Body ground<br>(S26-25 ⇔ Body ground)  | W-B ⇔ Body ground | Always                                                                   | Below 1 V                    |
| MPX+<br>(S27-2)                              | B                 | Multiplex communication circuit                                          | –                            |
| WRSW ⇔ Body ground<br>(S27-4 ⇔ Body ground)  | P ⇔ Body ground   | Ignition switch ON and rear washer switch ON                             | Below 1 V                    |
| RBD2 ⇔ Body ground<br>(S27-5 ⇔ Body ground)  | R-L ⇔ Body ground | PNP switch P position and each door are opened                           | Below 1 V                    |
| REV ⇔ Body ground<br>(S27-8 ⇔ Body ground)   | R-B ⇔ Body ground | Ignition switch ON and PNP switch reverse position                       | 10 – 14 V                    |