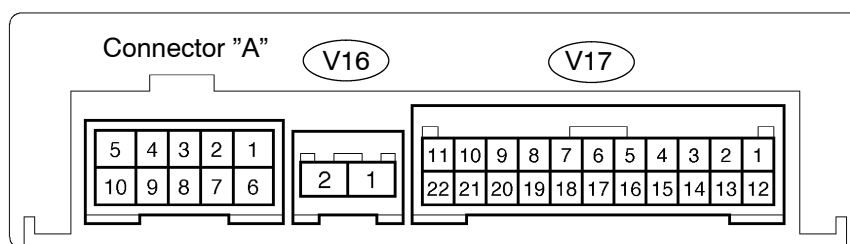


## TERMINALS OF ECU



N

F17007

| Symbols (Terminals No.)             | Wiring Color      | Condition               | STD Voltage (V)                                      |
|-------------------------------------|-------------------|-------------------------|------------------------------------------------------|
| BMV (A1) – BMW (A6)                 | G – L             | IG switch ON            | 0.1 to 1 $\Omega$                                    |
| MSW (A2) – MGND (A7)                | W – GR            | Turn the steering wheel | Repeat below 1 k $\Omega$ or<br>Above 100 k $\Omega$ |
| LGND (A3) – Body ground             | B – Body ground   | IG switch ON            | Below 1.0 V                                          |
| MSU (A4) – MGND (A7)                | Y – GR            | Turn the steering wheel | Repeat below 1 k $\Omega$ or<br>Above 100 k $\Omega$ |
| BMU (A5) – BMW (A6)                 | BR – L            | IG switch OFF           | 0.1 to 1 $\Omega$                                    |
| BMW (A6) – BMV (A1)                 | L – G             | IG switch OFF           | 0.1 to 1 $\Omega$                                    |
| MGND (A7) – Body ground             | GR – Body ground  | Always                  | Continuity                                           |
| MSV (A8) – MGND (A7)                | G–R – GR          | Turn the steering wheel | Repeat below 1 k $\Omega$ or<br>Above 100 k $\Omega$ |
| MV (A10) – Body ground              | R – Body ground   | Always                  | Continuity                                           |
| MSW (A2) – GND (V17 – 6 or 22)      | W – W–B           | Turn the steering wheel | Repeat below 1 or<br>Above 4 V                       |
| LGND (A3) – GND (V17 – 6 or 22)     | B – W–B           | IG switch ON            | Below 1.0 V                                          |
| MSU (A4) – GND (V17 – 6 or 22)      | Y – W–B           | Turn the steering wheel | Repeat below 1 or<br>Above 4 V                       |
| MGND (A7) – GND (V17 – 6 or 22)     | GR – W–B          | Always                  | Below 1 V                                            |
| MSV (A8) – GND (V17 – 6 or 22)      | G–R – W–B         | Turn the steering wheel | Repeat below 1 or<br>Above 4 V                       |
| PIG (V16 – 1) – PGND (V16 – 2)      | W – W–B           | Idling                  | 9 to 16 V                                            |
| PGND (V16 – 2) – Body ground        | W–B – Body ground | Always                  | Below 1 V                                            |
| TS (V17 – 1) – GND (V17 – 6 or 22)  | W – W–B           | IG switch ON            | 10 to 14 V                                           |
| +BI (V17 – 2) – GND (V17 – 6 or 22) | LG – W–B          | IG switch ON            | 10 to 14 V                                           |
| IG (V17 – 3) – GND (V17 – 6 or 22)  | B–W – W–B         | IG switch ON            | 10 to 14 V                                           |
| SS1 (V17 – 4) – GND (V17 – 6 or 22) | B–Y – W–B         | Turn the steering wheel | Repeat below 1 or<br>Above 4 V                       |
| SS3 (V17 – 5) – GND (V17 – 6 or 22) | B–L – W–B         | Turn the steering wheel | Repeat below 1 or<br>Above 4 V                       |

LAND CRUISER (W/G) SUP (RM1072E)

|                                      |                   |                                                                                  |                             |
|--------------------------------------|-------------------|----------------------------------------------------------------------------------|-----------------------------|
| GND (V17 – 6) – Body ground          | W-B – Body ground | Always                                                                           | Below 1.0 V                 |
| AFS+ (V17 – 7) – AFS- (V17 – 17)     | LG-R – GR-B       | IG switch ON                                                                     | Pulse generation            |
| VSC+ (V17 – 8) – VSC- (V17 – 18)     | V – Y-G           | IG switch ON                                                                     | Pulse generation            |
| TA+ (V17 – 9) – TA- (V17 – 21)       | R – G-W           | IG switch ON                                                                     | Pulse generation            |
| FRO (V17 – 11) – GND (V17 – 6 or 22) | R-W – W-B         | Vehicle driving at about 20 km/h (12 mph)                                        | Pulse generation            |
| TC (V17 – 12) – GND (V17 – 6 or 22)  | P-B – W-B         | IG switch ON                                                                     | 10 to 14 V                  |
| +BO (V17 – 13) – GND (V17 – 6 or 22) | L-W – W-B         | Always                                                                           | 10 to 14 V                  |
| SIL (V17 – 14) – GND (V17 – 6 or 22) | V-W – W-B         | IG switch ON                                                                     | 10 to 14 V                  |
| SS2 (V17 – 15) – GND (V17 – 6 or 22) | G-W – W-B         | Turn the steering wheel                                                          | Repeat below 1 or Above 4 V |
| WL (V17 – 16) – GND (V17 – 6 or 22)  | R-B – W-B         | After IG switch ON and VGRS warning light turns on for 1.5 sec. then it goes off | Below 1.0 V                 |
| FLO (V17 – 20) – GND (V17 – 6 or 22) | R-Y – W-B         | Vehicle driving at about 20 km/h (12 mph)                                        | Pulse generation            |
| GND2 (V17 – 22) – Body ground        | W-B – Body ground | Always                                                                           | Below 1.0 V                 |