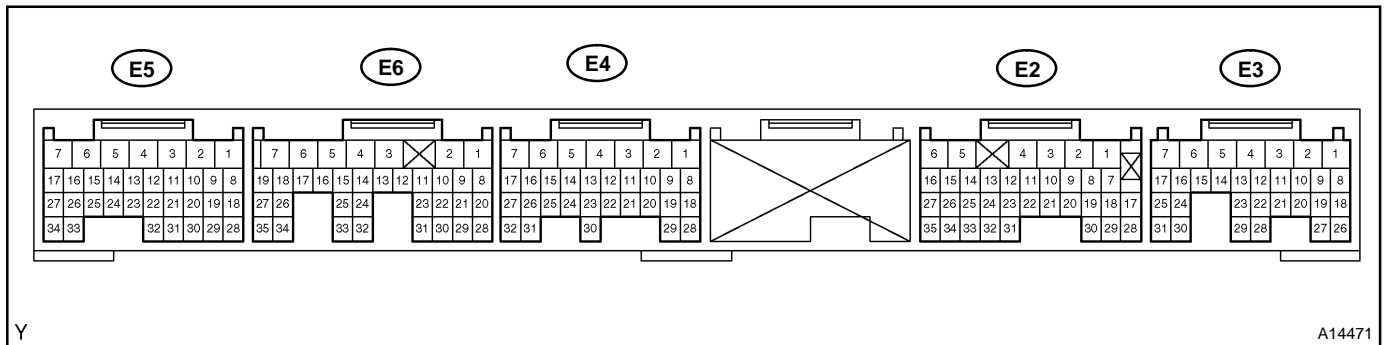


TERMINALS OF ECM



| Symbols (Terminals No.) | Wiring Color | Condition | STD Voltage (V) |
|-----------------------------|--------------|---|---------------------------------------|
| BATT (E3-4) - E1 (E6-7) | B-R ↔ BR | Always | 9 - 14 |
| +BM (E3-7) - E1 (E6-7) | Y-B ↔ BR | | |
| IGSW (E3-17) - E1 (E6-7) | B-O ↔ BR | IG switch ON | 9 - 14 |
| +B (E3-6) - E1 (E6-7) | B-W ↔ BR | | |
| +B1 (E3-5) - E1 (E6-7) | B-W ↔ BR | | |
| VC (E5-23) - ETA (E5-22) | L- R ↔ BR | IG switch ON | 4.5 - 5.5 |
| VTA (E5-25) - ETA (E5-22) | Y ↔ BR | IG switch ON, Accelerator pedal fully closed | 0.4 - 1.0 |
| | | IG switch ON, Accelerator pedal fully open | 3.2 - 4.8 |
| VTA2 (E5-24) - ETA (E5-22) | L-B ↔ BR | IG switch ON, Accelerator pedal fully closed | 2.0 - 2.9 |
| | | IG switch ON, Accelerator pedal fully open | 4.6 - 5.1 |
| VPA (E2-33) - EPA (E2-34) | R-Y ↔ BR-Y | IG switch ON, Accelerator pedal fully closed | 0.3 - 1.0 |
| | | IG switch ON, Accelerator pedal fully open | 3.2 - 4.8 |
| VPA2 (E2-32) - EPA (E2-34) | R-B ↔ BR-Y | IG switch ON, Accelerator pedal fully closed | 0.9 - 2.3 |
| | | IG switch ON, Accelerator pedal fully open | 3.4 - 5.0 |
| VG (E4-27) - EVG (E4-26) | B-R ↔ B-W | Idling, P or N position, A/C switch OFF | 0.5 - 3.0 |
| VCPA (E2-35) - EPA (E2-34) | L-R ↔ BR-Y | IG switch ON | 4.5 - 5.5 |
| VPTK (E2-27) - EPTK (E2-26) | O ↔ BR-W | IG switch ON | 4.5 - 5.5 |
| THA (E4-32) - ETHA (E4-31) | B-L ↔ B-Y | Idling, Intake air temp. 20°C (68°F) | 0.5 - 3.4 |
| THW (E4-24) - ETHW (E4-25) | R-L ↔ BR | Idling, water temp. 80°C (176°F) | 0.2 - 1.0 |
| STA (E3-12) - E1 (E6-7) | L-O ↔ BR | Shift lever position P or N position, ignition switch START | 6.0 or more |
| #1 (E5-15) - E01 (E4-2) | L ↔ W-B | IG switch ON | 9 - 14 |
| #2 (E4-17) - E01 (E4-2) | W ↔ W-B | | |
| #3 (E5-14) - E01 (E4-2) | G-Y ↔ W-B | | |
| #4 (E4-16) - E01 (E4-2) | G ↔ W-B | | |
| #5 (E5-13) - E01 (E4-2) | G ↔ W-B | | |
| #6 (E4-15) - E01 (E4-2) | BR ↔ W-B | | |
| #7 (E5-12) - E01 (E4-2) | BR ↔ W-B | | |
| #8 (E4-14) - E01 (E4-2) | Y-B ↔ W-B | | |
| IGT1 (E5-17) - E1 (E6-7) | G-W ↔ BR | Idling | Pulse generation (See page DI-112) |
| IGT2 (E4-13) - E1 (E6-7) | L-R ↔ BR | | |
| IGT3 (E5-16) - E1 (E6-7) | L-Y ↔ BR | | |
| IGT4 (E4-12) - E1 (E6-7) | LG ↔ BR | | |
| IGT5 (E5-27) - E1 (E6-7) | R ↔ BR | | |
| IGT6 (E4-11) - E1 (E6-7) | R-L ↔ BR | | |
| IGT7 (E5-26) - E1 (E6-7) | P-L ↔ BR | | |
| IGT8 (E4-10) - E1 (E6-7) | B-W ↔ BR | | |

| | | | |
|--|---|--|---|
| IF1L (E4-6) – E1 (E6-7) IF2L (E4-4) – E1 (E6-7) IF1R (E4-7) – E1 (E6-7) IF2R (E4-5) – E1 (E6-7) | LG ↔ BR G-B ↔ BR G ↔ BR L-B ↔ BR | IG switch ON Idling | 4.5 – 5.5 Pulse generation (See page DI-112) |
| G2 (E5-29) – G2- (E5-28) NE+ (E5-31) – NE- (E5-32) | L ↔ Y B ↔ W | Idling | Pulse generation (See page DI-106) |
| MREL (E3-13) – E1 (E6-7) | P-B ↔ BR | IG switch ON | 9 – 14 |
| FPR (E3-15) – E01 (E4-2) | Y ↔ W-B | IG switch ON | 0 – 3.0 |
| FC (E3-14) – E01 (E4-2) | G-B ↔ W-B | IG switch ON | 9 – 14 |
| STP (E2-4) – E1 (E6-7) | G-O ↔ BR | Brake pedal is depressed | 7.5 – 14 |
| | | Brake pedal is released | Below 1.5 |
| PRG (E5-11) – E01 (E4-2) | G-B ↔ W-B | IG switch ON | 9 – 14 |
| OXL1 (E6-28)* – E1 (E6-7) OXL2 (E2-28)* – E1 (E6-7) OXR1 (E4-28)* – E1 (E6-7) OXR2 (E2-17)* – E1 (E6-7) | B ↔ BR B ↔ BR W ↔ BR W ↔ BR | Maintain engine speed at 2,500 rpm for 2 minutes after warming up | Pulse generation (See page DI-119) |
| HTL (E6-9) – E03 (E5-4) HTL2 (E2-7) – E03 (E5-4) HTR (E4-30) – E03 (E5-4) HTR2 (E2-8) – E03 (E5-4) | L-Y ↔ W-B B-W ↔ W-B G-Y ↔ W-B GR ↔ W-B | Idling | Below 3.0 |
| | | IG switch ON | 9 – 14 |
| KNKL (E6-1) – E1 (E6-7) KNKR (E6-2) – E1 (E6-7) | B ↔ BR W ↔ BR | Maintain engine speed at 4,000 rpm after warming up | Pulse generation (See page DI-102) |
| TC (E2-3) – E1 (E6-7) | P-B ↔ BR | IG switch ON | 9 – 14 |
| W (E2-2) – E1 (E6-7) | Y-R ↔ BR | Idling | 9 – 14 |
| | | IG switch ON | Below 3.0 |
| ACMG (E3-16) – E1 (E6-7) | W ↔ BR | A/C switch ON (At Idling) | Below 3.0 |
| | | A/C switch OFF | 9 – 14 |
| ENG+ (E2-19) – ENG- (E2-30) TRC+ (E2-18) – TRC- (E2-29) | P ↔ V R ↔ G | Idling | Pulse generation |
| VVL+ (E5-18) – VVL- (E5-19) VVR+ (E4-19) – VVR- (E4-18) | R ↔ G Y ↔ L | Idling | Pulse generation (See page DI-109) |
| OCV+ (E5-6) – OCV- (E5-5) OCR+ (E4-9) – OCR- (E4-8) | L-Y ↔ G-W L-W ↔ L-B | IG switch ON | Pulse generation (See page DI-28) |
| | | IG switch ON Engine speed between 2,500 rpm and 4,000 rpm | 9 – 14 Below 3.0 |
| M+ (E5-3) – E01 (E4-2) M- (E5-2) – E01 (E4-2) | B ↔ W-B W ↔ W-B | Idling | Pulse generation (See page DI-202) |
| SIL (E3-26) – E1 (E6-7) | W-G ↔ BR | During transmission | Pulse generation |
| SP2+ (E6-23) – SP2- (E6-22) | G ↔ R | Vehicle is driving | Pulse generation (See page DI-181) |