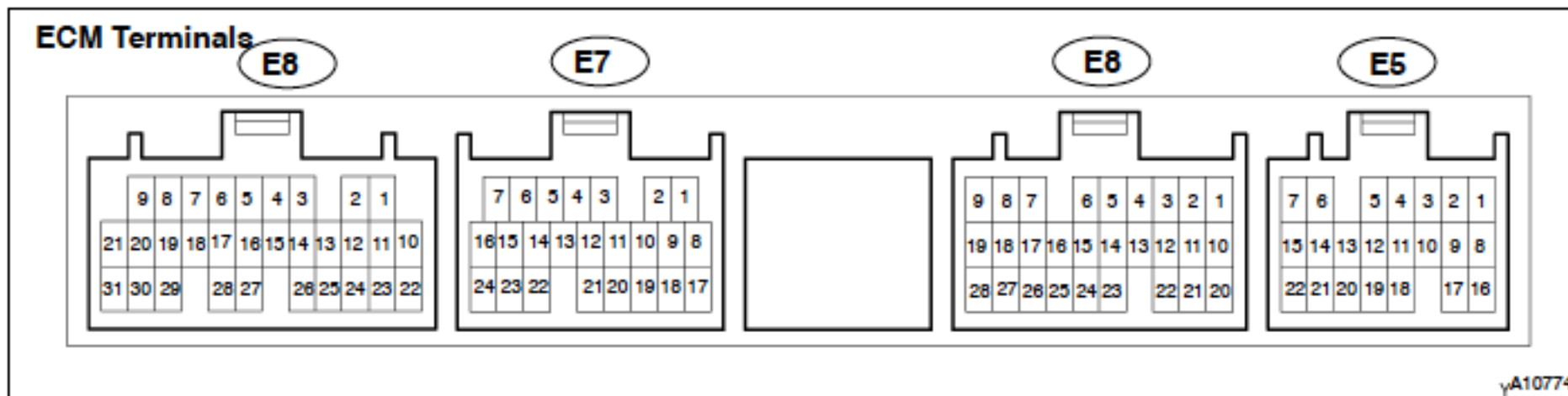


2001 Tacoma 3RZ-FE 4x4 ECM terminals, manual vs. automatic
All data compiled from the 2001 factory service manual wiring guide



| Connector | Pin | Manual Function | Auto Function | Manual Wire Color | Auto Wire Color | Error | Note |
|-----------|-----|-----------------|---------------|-------------------|-----------------|-------|------|
| E5 | 1 | BATT | BATT | B-Y | B-Y | | |
| E5 | 2 | N/A | R | N/A | R-B | | |
| E5 | 3 | N/A | L | N/A | R | | |
| E5 | 4 | N/A | 2 | N/A | P | | |
| E5 | 5 | N/A | OILW | N/A | O (4WD) | | |
| E5 | 6 | W | W | V-R | V-R | | |
| E5 | 7 | STA | STA | B-W | B-W | | |
| E5 | 9 | N/A | TFN | N/A | L | | |
| E5 | 10 | N/A | ODLP | N/A | L-O | | |
| E5 | 11 | N/A | OD1 | N/A | R-Y | | |

| Connector | Pin | Manual Function | Auto Function | Manual Wire Color | Auto Wire Color | Error | Note |
|-----------|-----|-----------------|---------------|-------------------|-----------------|-------|------|
| E5 | 12 | SIL | SIL | W | W | | |
| E5 | 13 | AC1 | AC1 | L-Y | L-Y | | |
| E5 | 14 | ACT | ACT | L-B | L-B | | |
| E5 | 15 | STP | STP | G-W | G-W | | |
| E5 | 16 | +B | +B | W-R | W-R | | |
| E5 | 17 | N/A | PWR | N/A | G | | |
| E5 | 19 | L4 | L4 | GR | GR | | |
| E5 | 20 | ELS | ELS | G-R | G-R | | |
| E5 | 21 | SP1 | SP1 | G-O | G-O | | |
| E5 | 22 | NSW | NSW | B-Y | B-Y | | |
| E6 | 5 | IDLO | IDLO | LG-R | LG-R | | |
| E6 | 6 | FC | FC | W-L | W-L | | |
| E6 | 7 | TC | TC | R | R | | |
| E6 | 8 | PTNK | PTNK | R-Y | R-Y | | |
| E6 | 10 | 4WD | 4WD | G-B | G-B | | |
| E6 | 13 | TAC | TAC | LG-B | LG-B | | |
| E6 | 14 | N/A | SP2+ | N/A | Y-R | | |
| E6 | 23 | N/A | SP2- | N/A | W-R | | |

| Connector | Pin | Manual Function | Auto Function | Manual Wire Color | Auto Wire Color | Error | Note |
|-----------|-----|-----------------|---------------|-------------------|-----------------|-------|------|
| E6 | 25 | N/A | ODMS | N/A | L-B | | |
| E6 | 28 | PSSW | PSSW | Y | Y | | |
| E7 | 2 | VC | VC | G-Y | G-Y | | |
| E7 | 3 | HTS | HTS | R-W | R-W | | |
| E7 | 4 | AFHT | AFHT | W | W | | |
| E7 | 5 | EGR | EGR | R-B | R-B | | |
| E7 | 6 | EVP | EVP | W-G | W-G | | |
| E7 | 7 | TPC | TPC | G-B | G-B | | |
| E7 | 9 | VTA | VTA | Y | Y | | |
| E7 | 10 | OXS | OXS | B | B | | |
| E7 | 11 | AF+ | AF+ | V | V | | |
| E7 | 12 | THW | THW | G-R | G-R | | |
| E7 | 14 | VG | VG | GR | GR | | |
| E7 | 15 | G2+ | G2+ | R | R | | |
| E7 | 16 | NE+ | NE+ | L | L | | |
| E7 | 17 | E1 | E1 | BR | BR | | |
| E7 | 18 | E2 | E2 | LG | LG | | |
| E7 | 19 | THG | THG | P-L | P-L | | |

| Connector | Pin | Manual Function | Auto Function | Manual Wire Color | Auto Wire Color | Error | Note |
|-----------|-----|-----------------|---------------|-------------------|-----------------|-------|------|
| E7 | 20 | AF- | AF- | P | P | | |
| E7 | 21 | THA | THA | Y-G | Y-G | | |
| E7 | 22 | EVG | EVG | B-W | B-W | | |
| E7 | 24 | NE- | NE- | G | G | | |
| E8 | 1 | #10 | #10 | W-R | W-R | | |
| E8 | 2 | #20 | #20 | W | W | | |
| E8 | 3 | #30 | #30 | R | R | | |
| E8 | 4 | #40 | #40 | R-L | R-L | | |
| E8 | 5 | E03 | E03 | W-B | W-B | | |
| E8 | 6 | E04 | E04 | W-B | W-B | | |
| E8 | 7 | N/A | S1 | N/A | V | | |
| E8 | 8 | N/A | S2 | N/A | LG | | |
| E8 | 9 | N/A | SL | N/A | R-W | | |
| E8 | 10 | IGF | IGF | B-Y | B-Y | | |
| E8 | 11 | IGT1 | IGT1 | B-L | B-L | | |
| E8 | 12 | IGT2 | IGT2 | L | L | | |
| E8 | 13 | IGT3 | IGT3 | L-R | L-R | | |
| E8 | 14 | IGT4 | IGT4 | L-Y | L-Y | | |

| Connector | Pin | Manual Function | Auto Function | Manual Wire Color | Auto Wire Color | Error | Note |
|-----------|-----|-----------------|---------------|-------------------|-----------------|-------|------|
| E8 | 15 | RSD | RSD | B-R | B-R | | |
| E8 | 21 | E01 | E01 | W-B | W-B | | |
| E8 | 26 | N/A | THO | N/A | Y-R | | |
| E8 | 28 | KNK | KNK | B | B | | |
| E8 | 31 | E02 | E02 | W-B | W-B | | |