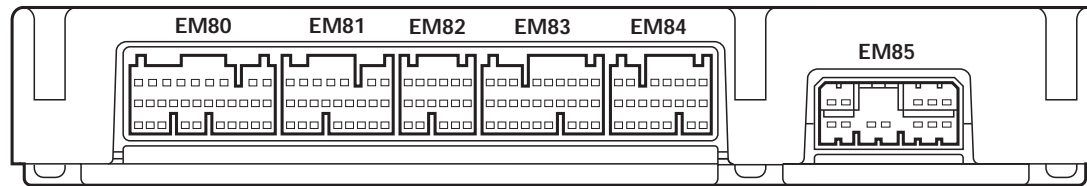


## ENGINE CONTROL MODULE: AJ27 N/A



EM80 / 31-WAY / NATURAL

|    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 9  | 8  | 7  | 6  | 5  | 4  | 3  |    | 2  | 1  |    |    |
| GW | GW | R  | R  | G  | G  | B  |    | O* | UY |    |    |
| 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |
| B  | U  | W  | W  | O  | YU | YG | —  | —  | U  | UY | WU |
| 31 | 30 | 29 |    | 28 | 27 |    | 26 | 25 | 24 | 23 | 22 |
| B  | —  | BK |    | —  | U  |    | —  | RW | —  | UY | Y  |

EM81 / 24-WAY / NATURAL

|     |    |    |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|----|----|
| 7   | 6  | 5  | 4  | 3  |    | 2  | 1  |    |
| RG  | OG | W  | WU | U  |    | RW | OY |    |
| 16  | 15 | 14 | 13 | 12 | 11 | 10 | 9  | 8  |
| RG* | YG | YR | WU | G  | —  | N  | B  | B  |
| 24  | 23 | 22 |    | 21 | 20 | 19 | 18 | 17 |
| BG  | —  | OY |    | BK | —  | G  | O  | WR |

EM82 / 17-WAY / NATURAL

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 6  | 5  | 4  | 3  | 2  | 1  |
| GR | G  | R  | —  | GO | OY |
| 12 | 11 | 10 | 9  | 8  | 7  |
| GU | N  | Y  | W  | OG | BG |
| 17 | 16 |    | 15 | 14 | 13 |
| O  | Y  |    | O  | UY | WR |

EM83 / 28-WAY / NATURAL

|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 9  | 8  | 7  |    | 6  | 5  | 4  | 3  | 2  | 1  |
| N  | Y  | P  |    | BG | OY | WR | RU | —  | —  |
| 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |
| G  | B  | O  | G  | G  | N  | BG | BR | YG | YG |
| 28 | 27 | 26 | 25 | 24 | 23 |    | 22 | 21 | 20 |
| GW | BW | BW | Y  | Y  | N  |    | N  | N  | NR |

EM84 / 22-WAY / NATURAL

|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 7  | 6  |    | 5  | 4  | 3  | 2  | 1  |
| U  | BW |    | BW | BW | BO | BG | B  |
| 15 | 14 | 13 | 12 | 11 | 10 | 9  | 8  |
| UY | BG | BR | GU | GR | GO | GW | —  |
| 22 | 21 | 20 | 19 | 18 |    | 17 | 16 |
| B  | BO | GB | GW | GO |    | GU | B  |

\* Not used – ROW Vehicles.

Pins 24 & 15 = TCM/ABS Direction  
Pins 25 & 16 = IPC direction

When in failure mode and no start, disconnect EM83 and measure resistance on pin pairs above.

EM85 / 12-WAY / WHITE

|    |    |  |    |    |    |
|----|----|--|----|----|----|
| 5  | 4  |  | 3  | 2  | 1  |
| U  | —  |  | —  | UY | RU |
| 12 | 11 |  | 10 | 9  |    |
| —  | —  |  | —  | —  |    |
|    |    |  | 8  | 7  | 6  |
|    |    |  | WG | B  | B  |

## ENGINE CONTROL MODULE: AJ27 SC

