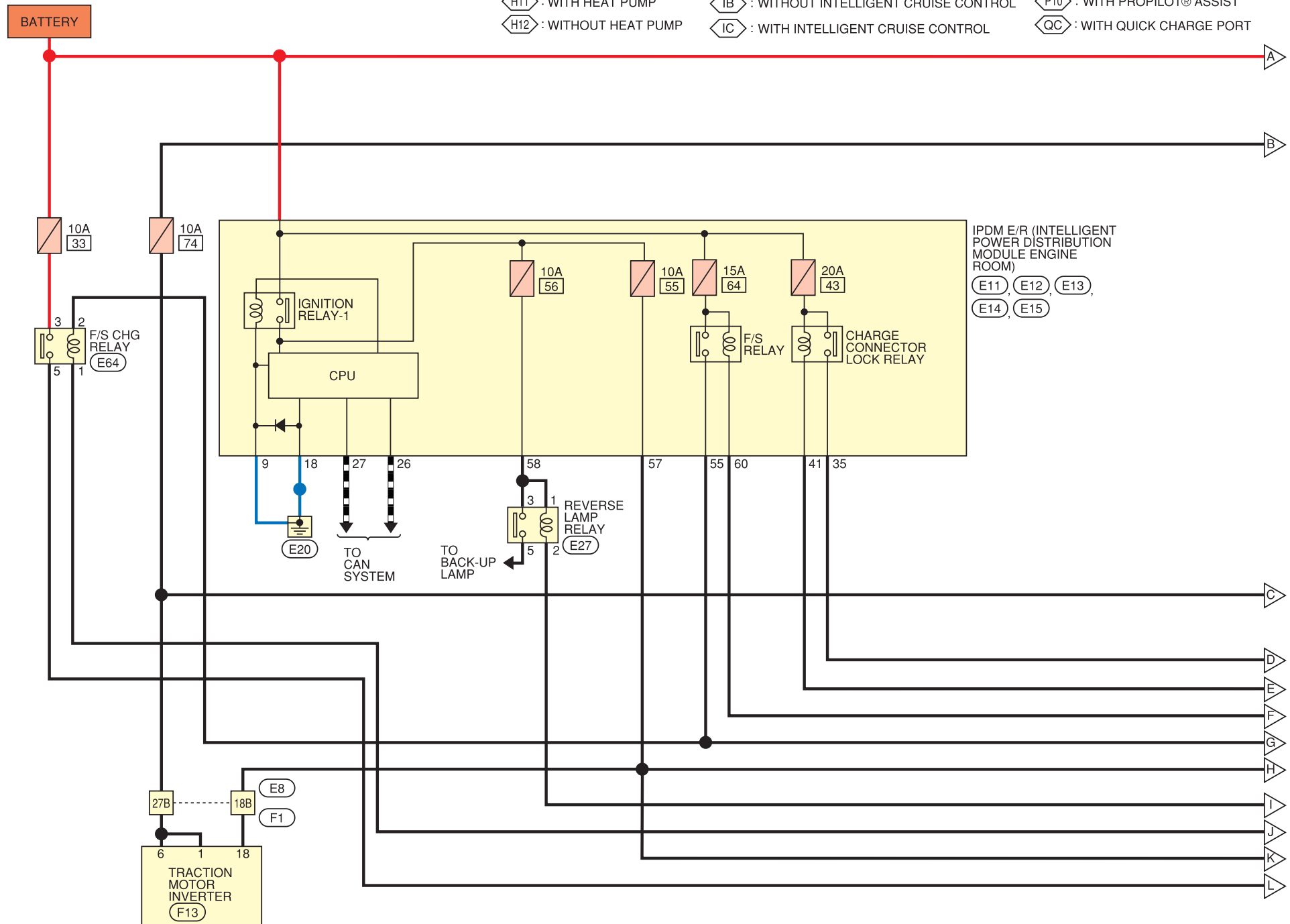
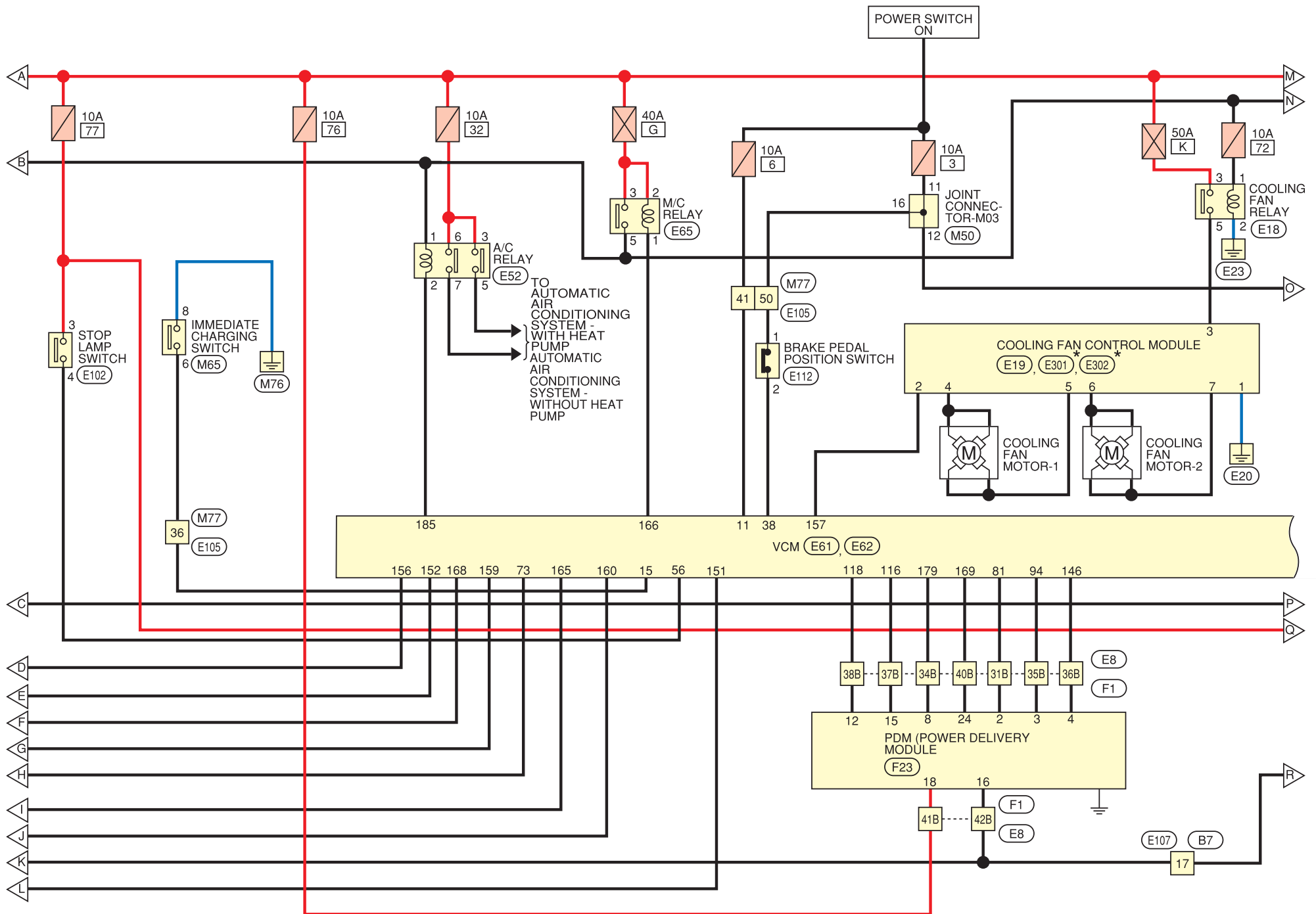
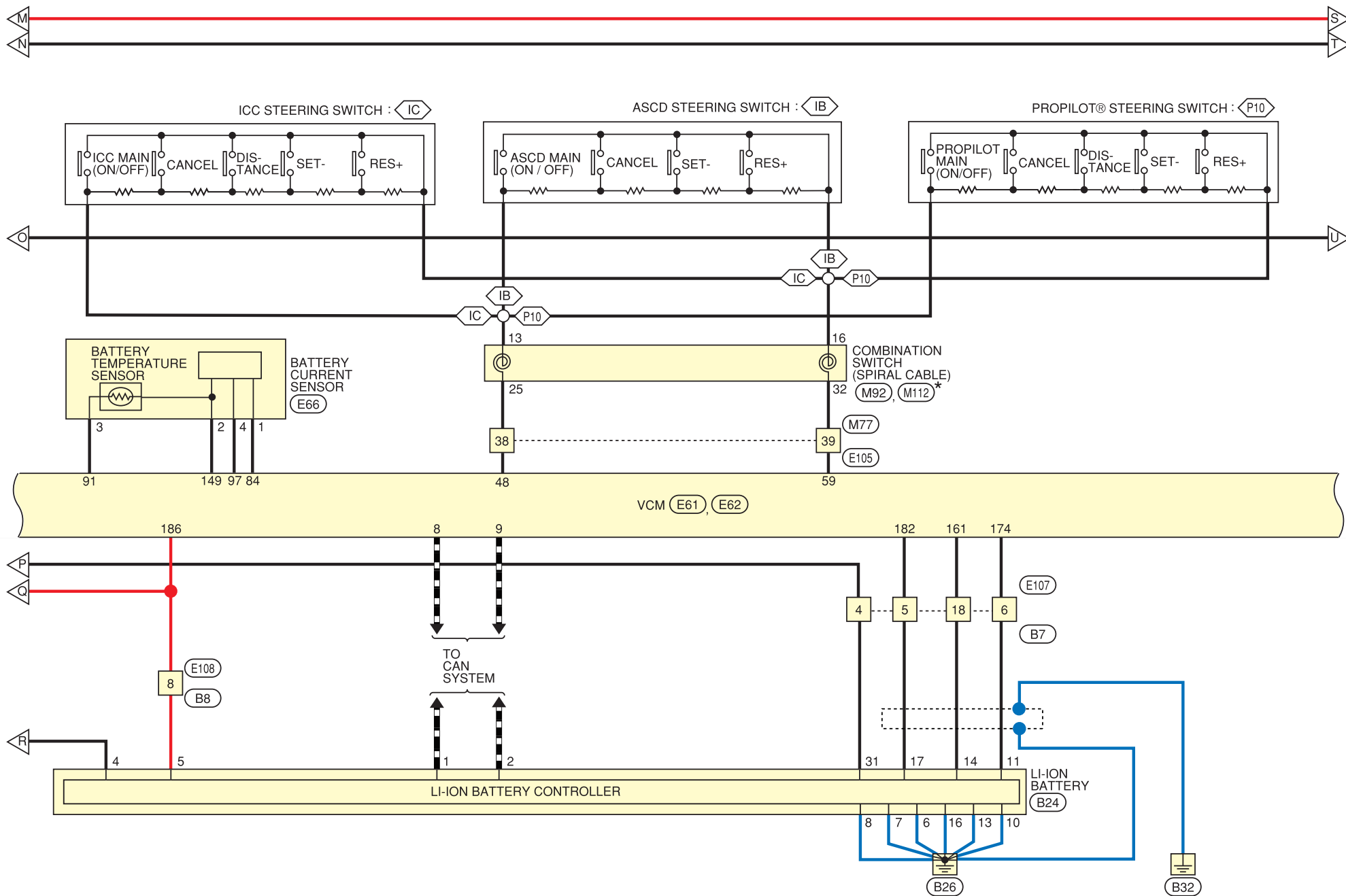


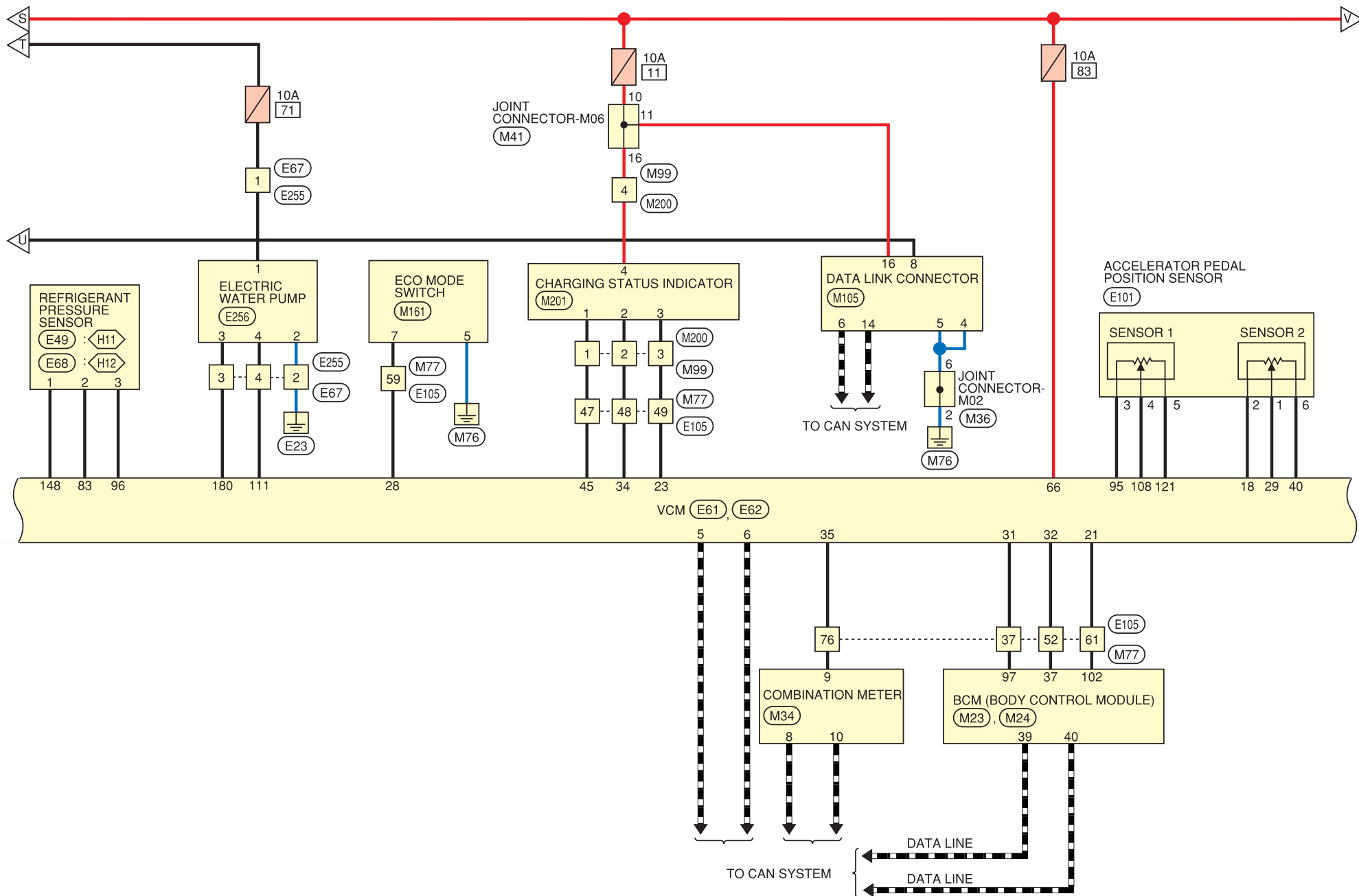
## EV CONTROL SYSTEM

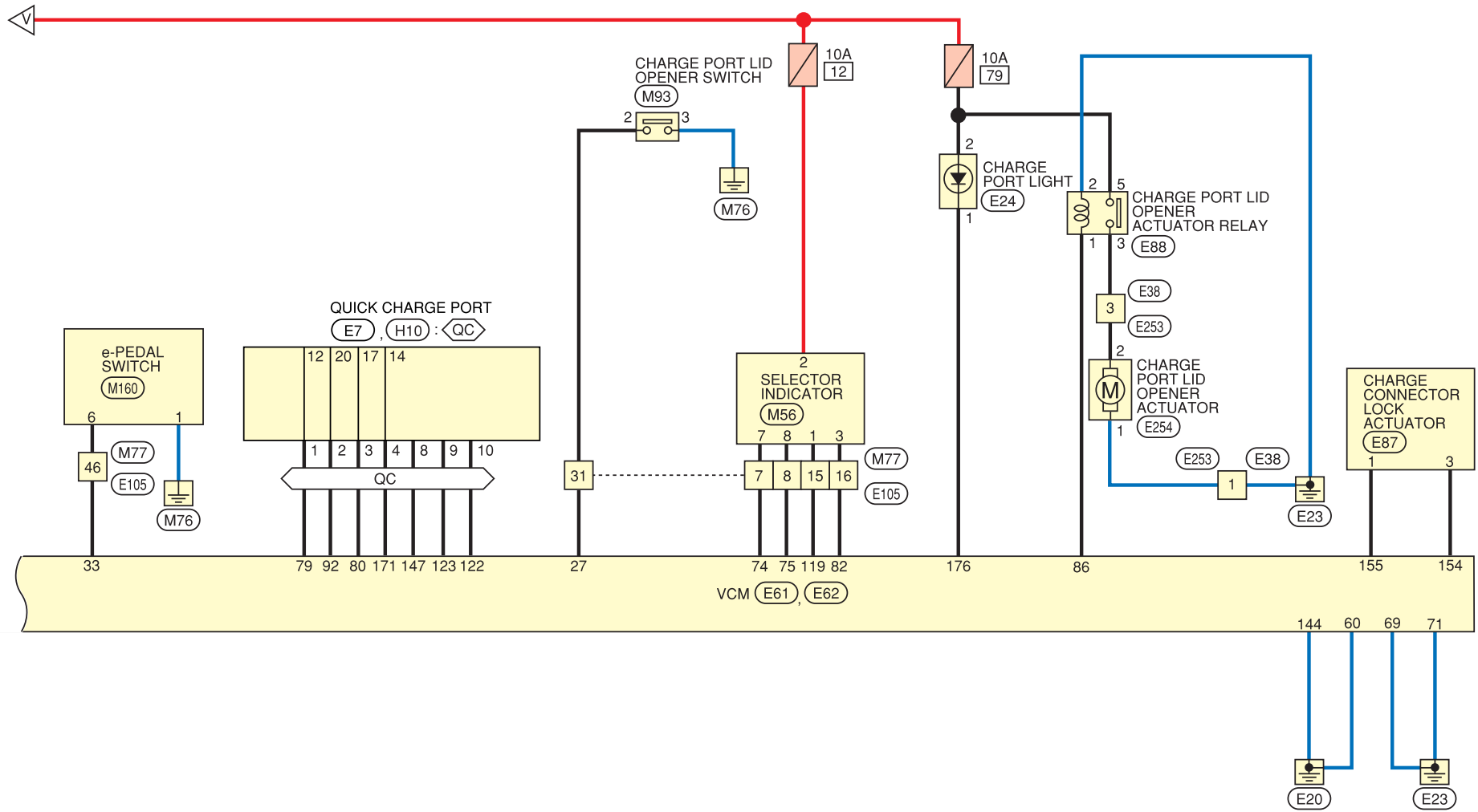


\*: This connector is not shown in "HARNESS LAYOUT" of PG section.



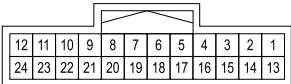






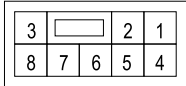
EV CONTROL SYSTEM CONNECTORS

|                 |              |
|-----------------|--------------|
| Connector No.   | B7           |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | TH24FW-NH    |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name            |
|--------------|---------------|------------------------|
| 1            | -             | TO ENGINE ROOM HARNESS |
| 2            | -             | TO ENGINE ROOM HARNESS |
| 3            | -             | TO ENGINE ROOM HARNESS |
| 4            | P             | TO ENGINE ROOM HARNESS |
| 5            | Y             | TO ENGINE ROOM HARNESS |
| 6            | G             | TO ENGINE ROOM HARNESS |
| 7            | GR            | TO ENGINE ROOM HARNESS |
| 8            | LA/BG         | TO ENGINE ROOM HARNESS |
| 9            | LA/SB         | TO ENGINE ROOM HARNESS |
| 10           | LA/V          | TO ENGINE ROOM HARNESS |
| 11           | LG            | TO ENGINE ROOM HARNESS |
| 12           | G             | TO ENGINE ROOM HARNESS |
| 13           | -             | TO ENGINE ROOM HARNESS |
| 14           | -             | TO ENGINE ROOM HARNESS |
| 15           | -             | TO ENGINE ROOM HARNESS |
| 16           | -             | TO ENGINE ROOM HARNESS |
| 17           | R             | TO ENGINE ROOM HARNESS |
| 18           | L             | TO ENGINE ROOM HARNESS |
| 19           | G             | TO ENGINE ROOM HARNESS |
| 20           | SHIELD        | TO ENGINE ROOM HARNESS |
| 21           | Y             | TO ENGINE ROOM HARNESS |
| 22           | W             | TO ENGINE ROOM HARNESS |
| 23           | BR            | TO ENGINE ROOM HARNESS |
| 24           | B             | TO ENGINE ROOM HARNESS |

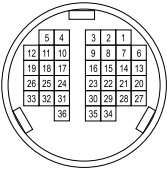
|                 |              |
|-----------------|--------------|
| Connector No.   | B8           |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | NS08FW-CS    |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
|--------------|---------------|-------------|

|   |    |                        |
|---|----|------------------------|
| 1 | R  | TO ENGINE ROOM HARNESS |
| 2 | L  | TO ENGINE ROOM HARNESS |
| 3 | -  | TO ENGINE ROOM HARNESS |
| 4 | V  | TO ENGINE ROOM HARNESS |
| 5 | Y  | TO ENGINE ROOM HARNESS |
| 6 | P  | TO ENGINE ROOM HARNESS |
| 7 | GR | TO ENGINE ROOM HARNESS |
| 8 | SB | TO ENGINE ROOM HARNESS |

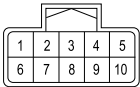
|                 |                |
|-----------------|----------------|
| Connector No.   | B24            |
| Connector Name  | LI-ION BATTERY |
| Connector Type  | RH36FG-GY      |
| Connector Color | GREEN          |



| Terminal No. | Color of Wire | Signal Name                |
|--------------|---------------|----------------------------|
| 1            | L             | CAN-H                      |
| 2            | G             | CAN-L                      |
| 3            | -             | -                          |
| 4            | R             | POWER ON POWER SUPPLY      |
| 5            | SB            | 12V BATTERY POWER SUPPLY   |
| 6            | B             | GROUND                     |
| 7            | B             | GROUND                     |
| 8            | B             | GROUND                     |
| 9            | -             | -                          |
| 10           | B             | PRE-CHARGE RELAY GROUND    |
| 11           | G             | PRE-CHARGE RELAY INPUT     |
| 12           | -             | -                          |
| 13           | B             | SYSTEM MAIN RELAY 2 GROUND |
| 14           | L             | SYSTEM MAIN RELAY 2 INPUT  |
| 15           | -             | -                          |
| 16           | B             | SYSTEM MAIN RELAY 1 GROUND |
| 17           | Y             | SYSTEM MAIN RELAY 1 INPUT  |
| 18           | -             | -                          |
| 19           | -             | -                          |
| 20           | -             | -                          |
| 21           | -             | -                          |
| 22           | -             | -                          |
| 23           | -             | -                          |
| 24           | -             | -                          |
| 25           | -             | -                          |
| 26           | -             | -                          |
| 27           | -             | -                          |
| 28           | -             | -                          |
| 29           | -             | -                          |
| 30           | -             | -                          |
| 31           | P             | CHARGING ACTIVATION SIGNAL |

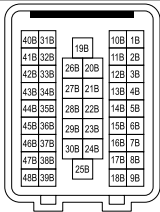
|    |   |   |
|----|---|---|
| 32 | - | - |
| 33 | - | - |
| 34 | - | - |
| 35 | - | - |
| 36 | - | - |

|                 |                   |
|-----------------|-------------------|
| Connector No.   | E7                |
| Connector Name  | QUICK CHARGE PORT |
| Connector Type  | RH10FB            |
| Connector Color | BLACK             |



| Terminal No. | Color of Wire | Signal Name                                    |
|--------------|---------------|--|
| 1            | Y             | QUICK CHARGER START/STOP SIGNAL 1              |
| 2            | G             | QUICK CHARGER START/STOP SIGNAL 2              |
| 3            | BR            | QUICK CHARGER CONNECTION SIGNAL                |
| 4            | L             | QUICK CHARGER PERMIT SIGNAL                    |
| 5            | B             | GROUND   |
| 6            | W             | CAN-H (QUICK CHARGER COMMUNICATION)            |
| 7            | L             | CAN-L (QUICK CHARGER COMMUNICATION)            |
| 8            | LG            | SENSOR GROUND                                  |
| 9            | V             | QUICK CHARGER PORT TEMPERATURE SENSOR SIGNAL 1 |
| 10           | SB            | QUICK CHARGER PORT TEMPERATURE SENSOR SIGNAL 2 |

|                 |                   |
|-----------------|-------------------|
| Connector No.   | E8                |
| Connector Name  | WIRE TO WIRE      |
| Connector Type  | SAA36MB-RS10-SJZ2 |
| Connector Color | BLACK             |

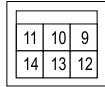


| Terminal No. | Color of Wire | Signal Name               |
|--------------|---------------|---------------------------|
| 1B           | G             | TO ENGINE CONTROL HARNESS |
| 2B           | V             | TO ENGINE CONTROL HARNESS |

|     |     |                           |
|-----|-----|---------------------------|
| 3B  | P   | TO ENGINE CONTROL HARNESS |
| 4B  | B   | TO ENGINE CONTROL HARNESS |
| 5B  | O   | TO ENGINE CONTROL HARNESS |
| 6B  | L   | TO ENGINE CONTROL HARNESS |
| 7B  | -   | TO ENGINE CONTROL HARNESS |
| 8B  | -   | TO ENGINE CONTROL HARNESS |
| 9B  | GR  | TO ENGINE CONTROL HARNESS |
| 10B | L   | TO ENGINE CONTROL HARNESS |
| 11B | G   | TO ENGINE CONTROL HARNESS |
| 12B | L   | TO ENGINE CONTROL HARNESS |
| 13B | G   | TO ENGINE CONTROL HARNESS |
| 14B | -   | TO ENGINE CONTROL HARNESS |
| 15B | -   | TO ENGINE CONTROL HARNESS |
| 16B | -   | TO ENGINE CONTROL HARNESS |
| 17B | -   | TO ENGINE CONTROL HARNESS |
| 18B | R   | TO ENGINE CONTROL HARNESS |
| 19B | -   | TO ENGINE CONTROL HARNESS |
| 20B | -   | TO ENGINE CONTROL HARNESS |
| 21B | B/R | TO ENGINE CONTROL HARNESS |
| 22B | W   | TO ENGINE CONTROL HARNESS |
| 23B | R   | TO ENGINE CONTROL HARNESS |
| 24B | B   | TO ENGINE CONTROL HARNESS |
| 25B | -   | TO ENGINE CONTROL HARNESS |
| 26B | -   | TO ENGINE CONTROL HARNESS |
| 27B | P   | TO ENGINE CONTROL HARNESS |
| 28B | B/R | TO ENGINE CONTROL HARNESS |
| 29B | G   | TO ENGINE CONTROL HARNESS |
| 30B | SB  | TO ENGINE CONTROL HARNESS |
| 31B | R   | TO ENGINE CONTROL HARNESS |
| 32B | LG  | TO ENGINE CONTROL HARNESS |
| 33B | W   | TO ENGINE CONTROL HARNESS |
| 34B | V   | TO ENGINE CONTROL HARNESS |
| 35B | LG  | TO ENGINE CONTROL HARNESS |
| 36B | B   | TO ENGINE CONTROL HARNESS |
| 37B | O   | TO ENGINE CONTROL HARNESS |
| 38B | P   | TO ENGINE CONTROL HARNESS |
| 39B | -   | TO ENGINE CONTROL HARNESS |
| 40B | SB  | TO ENGINE CONTROL HARNESS |
| 41B | Y   | TO ENGINE CONTROL HARNESS |
| 42B | R   | TO ENGINE CONTROL HARNESS |
| 43B | -   | TO ENGINE CONTROL HARNESS |
| 44B | -   | TO ENGINE CONTROL HARNESS |
| 45B | -   | TO ENGINE CONTROL HARNESS |
| 46B | -   | TO ENGINE CONTROL HARNESS |
| 47B | W   | TO ENGINE CONTROL HARNESS |
| 48B | L   | TO ENGINE CONTROL HARNESS |

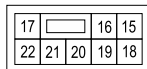
# EV CONTROL SYSTEM CONNECTORS

|                 |  |
|-----------------|--|
| Connector No.   | E11  |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type  | M06FB-LC   |
| Connector Color | BLACK  |



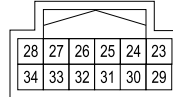
| Terminal No. | Color of Wire | Signal Name  |
|--------------|---------------|--------------|
| 9            | B             | POWER GROUND |
| 10           | -             | -            |
| 11           | -             | -            |
| 12           | -             | -            |
| 13           | -             | -            |
| 14           | R             | RR DEF       |

|                 |  |
|-----------------|--|
| Connector No.   | E12  |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type  | NS08FBR-CS   |
| Connector Color | BROWN  |



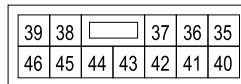
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 15           | -             | -           |
| 16           | -             | -           |
| 17           | -             | -           |
| 18           | GR            | SIGNAL GND  |
| 19           | W             | FR FOG/L RH |
| 20           | V             | FR FOG/L LH |
| 21           | -             | -           |
| 22           | -             | -           |

|                 |  |
|-----------------|--|
| Connector No.   | E13  |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type  | TH12FW-NH  |
| Connector Color | WHITE  |



| Terminal No. | Color of Wire | Signal Name   |
|--------------|---------------|---------------|
| 23           | -             | -             |
| 24           | -             | -             |
| 25           | R             | AUTO STOP SW  |
| 26           | P             | CAN-L         |
| 27           | L             | CAN-H         |
| 28           | G             | DTRL RLY      |
| 29           | -             | -             |
| 30           | -             | -             |
| 31           | -             | -             |
| 32           | SB            | HOOD SW       |
| 33           | -             | -             |
| 34           | R             | HORN RLY CONT |

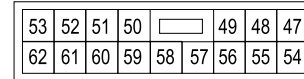
|                 |  |
|-----------------|--|
| Connector No.   | E14  |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type  | NS12FBR-CS   |
| Connector Color | BROWN  |



| Terminal No. | Color of Wire | Signal Name  |
|--------------|---------------|--------------|
| 35           | R             | VCM VB       |
| 36           | -             | -            |
| 37           | BG            | PARKING/L RH |
| 38           | LG            | TAIL LAMP 1  |
| 39           | L             | FR WIPER HI  |
| 40           | -             | -            |
| 41           | SB            | VCM RLY CONT |
| 42           | -             | -            |

|    |    |              |
|----|----|--------------|
| 43 | BG | PARKING/L LH |
| 44 | B  | TAIL LAMP 2  |
| 45 | Y  | FR WIPER LO  |
| 46 | -  | -            |

|                 |  |
|-----------------|--|
| Connector No.   | E15  |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type  | NS16FW-CS  |
| Connector Color | WHITE  |



| Terminal No. | Color of Wire | Signal Name      |
|--------------|---------------|------------------|
| 47           | -             | -                |
| 48           | -             | -                |
| 49           | Y             | H/LAMP HI RH     |
| 50           | G             | H/LAMP HI LH     |
| 51           | L             | H/LAMP LO LH     |
| 52           | P             | H/LAMP LO RH     |
| 53           | -             | -                |
| 54           | -             | -                |
| 55           | LG            | FAST CHARGE      |
| 56           | -             | -                |
| 57           | R             | VCM IGN          |
| 58           | O             | REVERSE LAMP IGN |
| 59           | -             | -                |
| 60           | GR            | F/S RLY CONT     |
| 61           | -             | -                |
| 62           | V             | E-ACT/HAS IGN    |

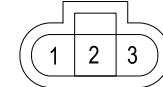
|                 |                   |
|-----------------|-------------------|
| Connector No.   | E18               |
| Connector Name  | COOLING FAN RELAY |
| Connector Type  | 24347-9F900       |
| Connector Color | BLACK             |



| Terminal No. | Color of Wire | Signal Name      |
|--------------|---------------|------------------|
| 1            | G             | M/C RELAY OUTPUT |

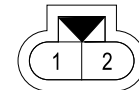
|   |     |           |
|---|-----|-----------|
| 2 | B/Y | GROUND    |
| 3 | BR  | BATTERY   |
| 5 | R   | PWM POWER |

|                 |                            |
|-----------------|----------------------------|
| Connector No.   | E19                        |
| Connector Name  | COOLING FAN CONTROL MODULE |
| Connector Type  | SJZ01FGY-SNZ2              |
| Connector Color | GRAY                       |



| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | B             | GND         |
| 2            | G             | PWM SIG     |
| 3            | R             | PWM POWER   |

|                 |                   |
|-----------------|-------------------|
| Connector No.   | E24               |
| Connector Name  | CHARGE PORT LIGHT |
| Connector Type  | RS02MGY           |
| Connector Color | GRAY              |



| Terminal No. | Color of Wire | Signal Name       |
|--------------|---------------|-------------------|
| 1            | GR            | CHARGE PORT LIGHT |
| 2            | BR            | BATTERY           |

# EV CONTROL SYSTEM CONNECTORS

|                 |                    |
|-----------------|--------------------|
| Connector No.   | E27                |
| Connector Name  | REVERSE LAMP RELAY |
| Connector Type  | MS02FL-M2-LC       |
| Connector Color | BLUE               |



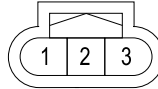
| Terminal No. | Color of Wire | Signal Name               |
|--------------|---------------|---------------------------|
| 1            | O             | REVERSE LAMP IGN          |
| 2            | SB            | REVERSE LAMP RELAY        |
| 3            | O             | REVERSE LAMP IGN          |
| 5            | G             | REVERSE LAMP RELAY OUTPUT |

|                 |              |
|-----------------|--------------|
| Connector No.   | E38          |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | RS04FB-PR    |
| Connector Color | BLACK        |



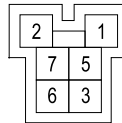
| Terminal No. | Color of Wire | Signal Name                |
|--------------|---------------|----------------------------|
| 1            | GR            | TO ENGINE ROOM SUB-HARNESS |
| 2            | -             | TO ENGINE ROOM SUB-HARNESS |
| 3            | P             | TO ENGINE ROOM SUB-HARNESS |
| 4            | -             | TO ENGINE ROOM SUB-HARNESS |

|                 |  |
|-----------------|--|
| Connector No.   | E49  |
| Connector Name  | REFRIGERANT PRESSURE SENSOR (WITH HEAT PUMP) |
| Connector Type  | RK03FB                                       |
| Connector Color | BLACK  |



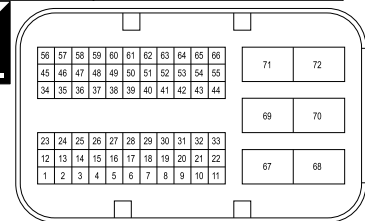
| Terminal No. | Color of Wire | Signal Name                                       |
|--------------|---------------|---|
| 1            | BR            | SENSOR GROUND (REFRIGERANT PRESSURE SENSOR)       |
| 2            | B             | REFRIGERANT PRESSURE SENSOR                       |
| 3            | SB            | SENSOR POWER SUPPLY (REFRIGERANT PRESSURE SENSOR) |

|                 |             |
|-----------------|-------------|
| Connector No.   | E52         |
| Connector Name  | A/C RELAY   |
| Connector Type  | M06FBR-R-LC |
| Connector Color | BROWN       |



| Terminal No. | Color of Wire | Signal Name       |
|--------------|---------------|-------------------|
| 1            | W             | A/C RELAY CONTROL |
| 2            | BR            | A/C RELAY CONTROL |
| 3            | R             | BATTERY           |
| 5            | W             | A/C RELAY OUTPUT  |
| 6            | R             | BATTERY           |
| 7            | BG            | A/C RELAY OUTPUT  |

|                 |                 |
|-----------------|-----------------|
| Connector No.   | E61             |
| Connector Name  | VCM             |
| Connector Type  | MUA66FB-MHA6-RH |
| Connector Color | BLACK           |

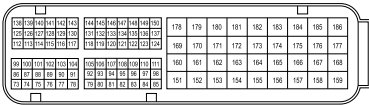


| Terminal No. | Color of Wire | Signal Name                          |
|--------------|---------------|--------------------------------------|
| 1            | -             | -                                    |
| 2            | -             | -                                    |
| 3            | -             | -                                    |
| 4            | -             | -                                    |
| 5            | L             | CAN-H                                |
| 6            | P             | CAN-L                                |
| 7            | -             | -                                    |
| 8            | L             | EV SYSTEM CAN-H                      |
| 9            | G             | EV SYSTEM CAN-L                      |
| 10           | -             | -                                    |
| 11           | G             | POWER ON POWER SUPPLY                |
| 12           | -             | -                                    |
| 13           | -             | -                                    |
| 14           | -             | -                                    |
| 15           | Y             | IMMEDIATE CHARGING SWITCH            |
| 16           | -             | -                                    |
| 17           | W             | ELECTRIC SHIFT SENSOR POWER SUPPLY 2 |
| 18           | W             | SENSOR POWER SUPPLY                  |
| 19           | -             | -                                    |
| 20           | -             | -                                    |
| 21           | LG            | P/N POSITION SIGNAL                  |
| 22           | -             | -                                    |
| 23           | G             | CHARGING STATUS INDICATOR 3          |
| 24           | -             | -                                    |
| 25           | -             | -                                    |
| 26           | -             | -                                    |
| 27           | BR            | CHARGE PORT LID OPENER SWITCH        |
| 28           | R             | ECO MODE SWITCH                      |
| 29           | R             | ACCELERATOR PEDAL POSITION SENSOR 2  |
| 30           | -             | -                                    |
| 31           | W             | READY SIGNAL                         |
| 32           | W             | P POSITION SIGNAL                    |
| 33           | W             | E-PEDAL SWITCH                       |
| 34           | BR            | CHARGING STATUS INDICATOR 2          |
| 35           | L             | PLUG IN INDICATOR LAMP               |
| 36           | -             | -                                    |

|    |     |  |
|----|-----|--|
| 37 | -   | -  |
| 38 | W   | BRAKE PEDAL POSITION SWITCH                |
| 39 | -   | -  |
| 40 | B   | SENSOR GROUND                              |
| 41 | SB  | PARKING ACTUATOR RELAY A                   |
| 42 | -   | -  |
| 43 | -   | -  |
| 44 | -   | -  |
| 45 | V   | CHARGING STATUS INDICATOR 1                |
| 46 | -   | -  |
| 47 | B   | P POSITION SW NO. 2                        |
| 48 | SB  | ASCD/ICC/PRO PILOT® STEERING SWITCH        |
| 49 | G   | ELECTRIC SHIFT SENSOR NO.6                 |
| 50 | -   | -  |
| 51 | W   | ELECTRIC SHIFT SENSOR NO.2                 |
| 52 | G   | ELECTRIC SHIFT SENSOR NO.4                 |
| 53 | R   | P POSITION SW NO. 1                        |
| 54 | -   | -  |
| 55 | -   | -  |
| 56 | P   | STOP LAMP SWITCH                           |
| 57 | -   | -  |
| 58 | W/L | ELECTRIC SHIFT SENSOR GND 2                |
| 59 | P   | ASCD/ICC/PRO PILOT® STEERING SWITCH GROUND |
| 60 | B   | VCM GROUND                                 |
| 61 | -   | -  |
| 62 | -   | -  |
| 63 | -   | -  |
| 64 | -   | -  |
| 65 | -   | -  |
| 66 | BR  | 12V BATTERY POWER SUPPLY                   |
| 67 | SB  | MOTOR COIL A V-PHASE                       |
| 68 | B   | MOTOR COIL A U-PHASE                       |
| 69 | B/R | VCM GROUND                                 |
| 70 | -   | -  |
| 71 | B/R | VCM GROUND                                 |
| 72 | R   | MOTOR COIL A W-PHASE                       |

EV CONTROL SYSTEM CONNECTORS

|                 |                  |
|-----------------|------------------|
| Connector No.   | E62              |
| Connector Name  | VCM              |
| Connector Type  | MUA78FB-MCA36-RH |
| Connector Color | BROWN            |



| Terminal No. | Color of Wire | Signal Name                           |
|--------------|---------------|---------------------------------------|
| 73           | R             | POWER ON POWER SUPPLY                 |
| 74           | L             | N POSITION OUTPUT (SELECT INDICATOR)  |
| 75           | R             | D POSITION OUTPUT (SELECT INDICATOR)  |
| 76           | -             | -                                     |
| 77           | -             | -                                     |
| 78           | -             | -                                     |
| 79           | Y             | QUICK CHARGER START/STOP SIGNAL 1     |
| 80           | BR            | QUICK CHARGER CONNECTING SIGNAL       |
| 81           | R             | QUICK CHARGER VOLTAGE SENSOR 1        |
| 82           | B             | P POSITION OUTPUT (SELECT INDICATOR)  |
| 83           | B             | REFRIDGERANT PRESSURE SENSOR          |
| 84           | Y             | BATTERY CURRENT SENSOR                |
| 85           | -             | -                                     |
| 86           | R             | CHARGE PORT LID OPENER ACTUATOR RELAY |
| 87           | O/L           | ELECTRIC SHIFT SENSOR POWER SUPPLY 1  |
| 88           | B             | ENCODER POWER SUPPLY                  |
| 89           | -             | -                                     |
| 90           | -             | -                                     |
| 91           | L             | BATTERY TEMPERATURE SENSOR            |
| 92           | G             | QUICK CHARGER START/STOP SIGNAL 2     |
| 93           | -             | -                                     |
| 94           | LG            | SENSOR POWER SUPPLY                   |
| 95           | W             | SENSOR POWER SUPPLY                   |
| 96           | SB            | SENSOR POWER SUPPLY                   |
| 97           | R             | SENSOR POWER SUPPLY                   |
| 98           | -             | -                                     |
| 99           | -             | -                                     |
| 100          | -             | -                                     |
| 101          | W             | ELECTRIC SHIFT SENSOR NO.5            |
| 102          | R             | ELECTRIC SHIFT SENSOR NO.3            |
| 103          | B             | ELECTRIC SHIFT SENSOR NO.1            |
| 104          | -             | -                                     |

|     |    |  |
|-----|----|--|
| 105 | -  | -  |
| 106 | -  | -  |
| 107 | -  | -  |
| 108 | R  | ACCELERATOR PEDAL POSITION SENSOR 1            |
| 109 | -  | -  |
| 110 | -  | -  |
| 111 | W  | WATER PUMP SIGNAL                              |
| 112 | -  | -  |
| 113 | V  | ENCODER SIGNAL A                               |
| 114 | P  | ENCODER SIGNAL B                               |
| 115 | -  | -  |
| 116 | O  | CONNECTION DETECTING CIRCUIT SIGNAL            |
| 117 | -  | -  |
| 118 | P  | CONNECTION DETECTING CIRCUIT POWER SUPPLY      |
| 119 | Y  | R POSITION OUTPUT (SELECT INDICATOR)           |
| 120 | -  | -  |
| 121 | B  | SENSOR GROUND                                  |
| 122 | SB | QUICK CHARGER PORT TEMPERATURE SENSOR SIGNAL 2 |
| 123 | V  | QUICK CHARGER PORT TEMPERATURE SENSOR SIGNAL 1 |
| 124 | -  | -  |
| 125 | -  | -  |
| 126 | -  | -  |
| 127 | -  | -  |
| 128 | -  | -  |
| 129 | -  | -  |
| 130 | -  | -  |
| 131 | -  | -  |
| 132 | -  | -  |
| 133 | -  | -  |
| 134 | -  | -  |
| 135 | -  | -  |
| 136 | -  | -  |
| 137 | -  | -  |
| 138 | G  | ENCODER GROUND                                 |
| 139 | O  | ELECTRIC SHIFT SENSOR GND 1                    |
| 140 | -  | -  |
| 141 | -  | -  |
| 142 | -  | -  |
| 143 | -  | -  |
| 144 | B  | VCM GROUND                                     |
| 145 | -  | -  |
| 146 | B  | QUICK CHARGE VOLTAGE SENSOR GROUND             |
| 147 | LG | SENSOR GROUND                                  |
| 148 | BR | SENSOR GROUND                                  |
| 149 | L  | SENSOR GROUND                                  |
| 150 | -  | -  |
| 151 | GR | F/S CHG RELAY                                  |
| 152 | SB | CHARGE CONNECTOR LOCK RELAY                    |
| 153 | -  | -  |

|     |    |  |
|-----|----|--|
| 154 | W  | CHARGE CONNECTOR LOCK ACTUATOR (-)       |
| 155 | LG | CHARGE CONNECTOR LOCK ACTUATOR (+)       |
| 156 | R  | CHARGE CONNECTOR LOCK RELAY POWER SUPPLY |
| 157 | V  | COOLING FAN CONTROL SIGNAL               |
| 158 | -  | -  |
| 159 | LG | F/S RELAY POWER SUPPLY                   |
| 160 | W  | F/S CHG RELAY                            |
| 161 | Y  | SYSTEM MAIN RELAY 2                      |
| 162 | -  | -  |
| 163 | -  | -  |
| 164 | -  | -  |
| 165 | SB | REVERSE LAMP RELAY                       |
| 166 | SB | M/C RELAY                                |
| 167 | -  | -  |
| 168 | GR | F/S RELAY                                |
| 169 | SB | QUICK CHARGE RELAY (-)                   |
| 170 | -  | -  |
| 171 | L  | QUICK CHARGER PERMIT SIGNAL              |
| 172 | -  | -  |
| 173 | -  | -  |
| 174 | B  | PRE-CHARGE RELAY                         |
| 175 | -  | -  |
| 176 | GR | CHARGE PORT LIGHT                        |
| 177 | -  | -  |
| 178 | -  | -  |
| 179 | V  | QUICK CHARGE RELAY (+)                   |
| 180 | G  | WATER PUMP SIGNAL                        |
| 181 | -  | -  |
| 182 | W  | SYSTEM MAIN RELAY 1                      |
| 183 | -  | -  |
| 184 | -  | -  |
| 185 | BR | A/C RLY                                  |
| 186 | R  | 12V BATTERY POWER SUPPLY                 |

|                 |               |
|-----------------|---------------|
| Connector No.   | E64           |
| Connector Name  | F/S CHG RELAY |
| Connector Type  | MS02FL-M2-LC  |
| Connector Color | BLUE          |



| Terminal No. | Color of Wire | Signal Name            |
|--------------|---------------|------------------------|
| 1            | W             | F/S CHG RELAY          |
| 2            | LG            | F/S RELAY POWER SUPPLY |
| 3            | W             | BATTERY                |

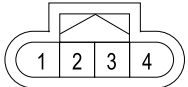
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|---|----|-------|
| 5 | GR | QCRLY |
|---|----|-------|

|                 |              |
|-----------------|--------------|
| Connector No.   | E65          |
| Connector Name  | M/C RELAY    |
| Connector Type  | MS02FL-M2-LC |
| Connector Color | BLUE         |



| Terminal No. | Color of Wire | Signal Name       |
|--------------|---------------|-------------------|
| 1            | SB            | M/C RELAY CONTROL |
| 2            | R             | BATTERY           |
| 3            | R             | BATTERY           |
| 5            | W             | M/C RELAY OUTPUT  |

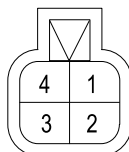
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|-----------------|------------------------|
| Connector No.   | E66                    |
| Connector Name  | BATTERY CURRENT SENSOR |
| Connector Type  | RH04FB                 |
| Connector Color | BLACK                  |



| Terminal No. | Color of Wire | Signal Name                                  |
|--------------|---------------|--|
| 1            | Y             | BATTERY CURRENT SENSOR                       |
| 2            | L             | SENSOR GROUND (BATTERY CURRENT SENSOR)       |
| 3            | L             | BATTERY TEMPERATURE SENSOR                   |
| 4            | R             | SENSOR POWER SUPPLY (BATTERY CURRENT SENSOR) |

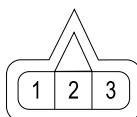
# EV CONTROL SYSTEM CONNECTORS

|                 |              |
|-----------------|--------------|
| Connector No.   | E67          |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | RS04FG       |
| Connector Color | GREEN        |



| Terminal No. | Color of Wire | Signal Name                |
|--------------|---------------|----------------------------|
| 1            | L             | TO ENGINE ROOM SUB-HARNESS |
| 2            | B             | TO ENGINE ROOM SUB-HARNESS |
| 3            | G             | TO ENGINE ROOM SUB-HARNESS |
| 4            | W             | TO ENGINE ROOM SUB-HARNESS |

|                 |   |
|-----------------|---|
| Connector No.   | E68   |
| Connector Name  | REFRIGERANT PRESSURE SENSOR (WITHOUT HEAT PUMP) |
| Connector Type  | RK03FB  |
| Connector Color | BLACK   |



| Terminal No. | Color of Wire | Signal Name                                       |
|--------------|---------------|---|
| 1            | BR            | SENSOR GROUND (REFRIGERANT PRESSURE SENSOR)       |
| 2            | B             | REFRIGERANT PRESSURE SENSOR                       |
| 3            | SB            | SENSOR POWER SUPPLY (REFRIGERANT PRESSURE SENSOR) |

|                 |                                |
|-----------------|--------------------------------|
| Connector No.   | E87                            |
| Connector Name  | CHARGE CONNECTOR LOCK ACTUATOR |
| Connector Type  | RS04FGY-PR                     |
| Connector Color | GRAY                           |



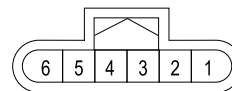
| Terminal No. | Color of Wire | Signal Name                        |
|--------------|---------------|------------------------------------|
| 1            | LG            | CHARGE CONNECTOR LOCK ACTUATOR (+) |
| 2            | -             | -                                  |
| 3            | W             | CHARGE CONNECTOR LOCK ACTUATOR (-) |
| 4            | -             | -                                  |

|                 |                                       |
|-----------------|---------------------------------------|
| Connector No.   | E88                                   |
| Connector Name  | CHARGE PORT LID OPENER ACTUATOR RELAY |
| Connector Type  | MS02FL-M2-LC                          |
| Connector Color | BLUE                                  |



| Terminal No. | Color of Wire | Signal Name                                  |
|--------------|---------------|--|
| 1            | R             | CHARGE PORT LID OPENER ACTUATOR RELAY        |
| 2            | B             | GROUND                                       |
| 3            | P             | CHARGE PORT LID OPENER ACTUATOR RELAY OUTPUT |
| 5            | BR            | VCM BAT                                      |

|                 |                                   |
|-----------------|-----------------------------------|
| Connector No.   | E101                              |
| Connector Name  | ACCELERATOR PEDAL POSITION SENSOR |
| Connector Type  | RH06FB                            |
| Connector Color | BLACK                             |



| Terminal No. | Color of Wire | Signal Name   |
|--------------|---------------|---|
| 1            | R             | ACCELERATOR PEDAL POSITION SENSOR 2                       |
| 2            | W             | SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 2) |
| 3            | W             | SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 1) |
| 4            | R             | ACCELERATOR PEDAL POSITION SENSOR 1                       |
| 5            | B             | SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 1)       |
| 6            | B             | SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 2)       |

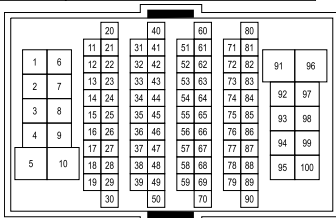
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|-----------------|------------------|
| Connector No.   | E102             |
| Connector Name  | STOP LAMP SWITCH |
| Connector Type  | M04FW-LC         |
| Connector Color | WHITE            |



| Terminal No. | Color of Wire | Signal Name      |
|--------------|---------------|------------------|
| 1            | W             | BATTERY          |
| 2            | SB            | SWITCH OUTPUT    |
| 3            | W             | BATTERY          |
| 4            | P             | STOP LAMP SWITCH |

EV CONTROL SYSTEM CONNECTORS

|                 |                 |
|-----------------|-----------------|
| Connector No.   | E105            |
| Connector Name  | WIRE TO WIRE    |
| Connector Type  | TH80MW-CS16-TM4 |
| Connector Color | WHITE           |

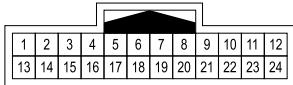


| Terminal No. | Color of Wire | Signal Name     |
|--------------|---------------|-----------------|
| 1            | G             | TO MAIN HARNESS |
| 2            | B             | TO MAIN HARNESS |
| 3            | R             | TO MAIN HARNESS |
| 4            | W             | TO MAIN HARNESS |
| 5            | -             | TO MAIN HARNESS |
| 6            | B/R           | TO MAIN HARNESS |
| 7            | V             | TO MAIN HARNESS |
| 8            | W             | TO MAIN HARNESS |
| 9            | LG            | TO MAIN HARNESS |
| 10           | R             | TO MAIN HARNESS |
| 11           | -             | TO MAIN HARNESS |
| 12           | -             | TO MAIN HARNESS |
| 13           | -             | TO MAIN HARNESS |
| 14           | -             | TO MAIN HARNESS |
| 15           | -             | TO MAIN HARNESS |
| 16           | -             | TO MAIN HARNESS |
| 17           | -             | TO MAIN HARNESS |
| 18           | -             | TO MAIN HARNESS |
| 19           | -             | TO MAIN HARNESS |
| 20           | -             | TO MAIN HARNESS |
| 21           | -             | TO MAIN HARNESS |
| 22           | -             | TO MAIN HARNESS |
| 23           | -             | TO MAIN HARNESS |
| 24           | -             | TO MAIN HARNESS |
| 25           | -             | TO MAIN HARNESS |
| 26           | -             | TO MAIN HARNESS |
| 27           | -             | TO MAIN HARNESS |
| 28           | -             | TO MAIN HARNESS |
| 29           | -             | TO MAIN HARNESS |
| 30           | -             | TO MAIN HARNESS |
| 31           | BR            | TO MAIN HARNESS |
| 32           | G             | TO MAIN HARNESS |
| 33           | G             | TO MAIN HARNESS |
| 34           | R             | TO MAIN HARNESS |
| 35           | P             | TO MAIN HARNESS |
| 36           | Y             | TO MAIN HARNESS |
| 37           | W             | TO MAIN HARNESS |
| 38           | SB            | TO MAIN HARNESS |

|    |        |                 |
|----|--------|-----------------|
| 39 | P      | TO MAIN HARNESS |
| 40 | V      | TO MAIN HARNESS |
| 41 | G      | TO MAIN HARNESS |
| 42 | L      | TO MAIN HARNESS |
| 43 | GR     | TO MAIN HARNESS |
| 44 | W      | TO MAIN HARNESS |
| 45 | L      | TO MAIN HARNESS |
| 46 | W      | TO MAIN HARNESS |
| 47 | V      | TO MAIN HARNESS |
| 48 | BR     | TO MAIN HARNESS |
| 49 | G      | TO MAIN HARNESS |
| 50 | LG     | TO MAIN HARNESS |
| 51 | W      | TO MAIN HARNESS |
| 52 | W      | TO MAIN HARNESS |
| 53 | R      | TO MAIN HARNESS |
| 54 | B      | TO MAIN HARNESS |
| 55 | P      | TO MAIN HARNESS |
| 56 | Y      | TO MAIN HARNESS |
| 57 | W      | TO MAIN HARNESS |
| 58 | BG     | TO MAIN HARNESS |
| 59 | R      | TO MAIN HARNESS |
| 60 | SB     | TO MAIN HARNESS |
| 61 | LG     | TO MAIN HARNESS |
| 62 | B      | TO MAIN HARNESS |
| 63 | W      | TO MAIN HARNESS |
| 64 | SHIELD | TO MAIN HARNESS |
| 65 | BR     | TO MAIN HARNESS |
| 66 | L      | TO MAIN HARNESS |
| 67 | R      | TO MAIN HARNESS |
| 68 | GR     | TO MAIN HARNESS |
| 69 | W      | TO MAIN HARNESS |
| 70 | P      | TO MAIN HARNESS |
| 71 | G      | TO MAIN HARNESS |
| 72 | LG     | TO MAIN HARNESS |
| 73 | Y      | TO MAIN HARNESS |
| 74 | B      | TO MAIN HARNESS |
| 75 | R      | TO MAIN HARNESS |
| 76 | L      | TO MAIN HARNESS |
| 77 | -      | TO MAIN HARNESS |
| 78 | -      | TO MAIN HARNESS |
| 79 | R      | TO MAIN HARNESS |
| 80 | L      | TO MAIN HARNESS |
| 81 | BR     | TO MAIN HARNESS |
| 82 | SB     | TO MAIN HARNESS |
| 83 | G      | TO MAIN HARNESS |
| 84 | -      | TO MAIN HARNESS |
| 85 | W      | TO MAIN HARNESS |
| 86 | BR     | TO MAIN HARNESS |
| 87 | -      | TO MAIN HARNESS |
| 88 | B      | TO MAIN HARNESS |
| 89 | W      | TO MAIN HARNESS |
| 90 | SHIELD | TO MAIN HARNESS |
| 91 | Y      | TO MAIN HARNESS |
| 92 | O      | TO MAIN HARNESS |
| 93 | BG     | TO MAIN HARNESS |

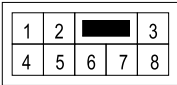
|     |    |                 |
|-----|----|-----------------|
| 94  | O  | TO MAIN HARNESS |
| 95  | V  | TO MAIN HARNESS |
| 96  | P  | TO MAIN HARNESS |
| 97  | BR | TO MAIN HARNESS |
| 98  | -  | TO MAIN HARNESS |
| 99  | LG | TO MAIN HARNESS |
| 100 | SB | TO MAIN HARNESS |

|                 |              |
|-----------------|--------------|
| Connector No.   | E107         |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | TH24MW-NH    |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name     |
|--------------|---------------|-----------------|
| 1            | -             | TO BODY HARNESS |
| 2            | -             | TO BODY HARNESS |
| 3            | -             | TO BODY HARNESS |
| 4            | P             | TO BODY HARNESS |
| 5            | W             | TO BODY HARNESS |
| 6            | B             | TO BODY HARNESS |
| 7            | GR            | TO BODY HARNESS |
| 8            | BG            | TO BODY HARNESS |
| 9            | V             | TO BODY HARNESS |
| 10           | Y             | TO BODY HARNESS |
| 11           | LG            | TO BODY HARNESS |
| 12           | G             | TO BODY HARNESS |
| 13           | -             | TO BODY HARNESS |
| 14           | -             | TO BODY HARNESS |
| 15           | -             | TO BODY HARNESS |
| 16           | -             | TO BODY HARNESS |
| 17           | R             | TO BODY HARNESS |
| 18           | Y             | TO BODY HARNESS |
| 19           | G             | TO BODY HARNESS |
| 20           | SHIELD        | TO BODY HARNESS |
| 21           | BG            | TO BODY HARNESS |
| 22           | B             | TO BODY HARNESS |
| 23           | BR            | TO BODY HARNESS |
| 24           | B             | TO BODY HARNESS |

|                 |              |
|-----------------|--------------|
| Connector No.   | E108         |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | NS08MW-CS    |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name     |
|--------------|---------------|-----------------|
| 1            | W             | TO BODY HARNESS |
| 2            | Y             | TO BODY HARNESS |
| 3            | -             | TO BODY HARNESS |
| 4            | V             | TO BODY HARNESS |
| 5            | SB            | TO BODY HARNESS |
| 6            | W             | TO BODY HARNESS |
| 7            | SB            | TO BODY HARNESS |
| 8            | R             | TO BODY HARNESS |

|                 |                             |
|-----------------|-----------------------------|
| Connector No.   | E112                        |
| Connector Name  | BRAKE PEDAL POSITION SWITCH |
| Connector Type  | M02FBR-LC                   |
| Connector Color | BROWN                       |



| Terminal No. | Color of Wire | Signal Name     |
|--------------|---------------|-----------------|
| 1            | LG            | POWER SWITCH ON |
| 2            | W             | BLS (BNC)       |

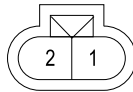
# EV CONTROL SYSTEM CONNECTORS

|                 |              |
|-----------------|--------------|
| Connector No.   | E253         |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | RS04MB       |
| Connector Color | BLACK        |



| Terminal No. | Color of Wire | Signal Name            |
|--------------|---------------|------------------------|
| 1            | B             | TO ENGINE ROOM HARNESS |
| 2            | -             | TO ENGINE ROOM HARNESS |
| 3            | L             | TO ENGINE ROOM HARNESS |
| 4            | -             | TO ENGINE ROOM HARNESS |

|                 |                                 |
|-----------------|---------------------------------|
| Connector No.   | E254                            |
| Connector Name  | CHARGE PORT LID OPENER ACTUATOR |
| Connector Type  | RS02FBR                         |
| Connector Color | BROWN                           |



| Terminal No. | Color of Wire | Signal Name                                   |
|--------------|---------------|---|
| 1            | B             | GROUND  |
| 2            | L             | CHARGE PORT LID OPENER ACTUATOR RELAY OUTPUT- |

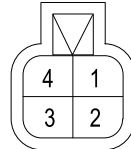
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|-----------------|--------------|
| Connector No.   | E255         |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | RS04MB       |
| Connector Color | BLACK        |



| Terminal No. | Color of Wire | Signal Name            |
|--------------|---------------|------------------------|
| 1            | R             | TO ENGINE ROOM HARNESS |

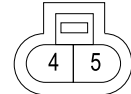
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|---|---|------------------------|
| 2 | B | TO ENGINE ROOM HARNESS |
| 3 | G | TO ENGINE ROOM HARNESS |
| 4 | Y | TO ENGINE ROOM HARNESS |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | E256                |
| Connector Name  | ELECTRIC WATER PUMP |
| Connector Type  | RS04FB-PR           |
| Connector Color | BLACK               |



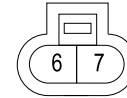
| Terminal No. | Color of Wire | Signal Name       |
|--------------|---------------|-------------------|
| 1            | L             | A/C RELAY OUTPUT  |
| 2            | B             | GROUND            |
| 3            | G             | WATER PUMP SIGNAL |
| 4            | W             | WATER PUMP SIGNAL |

|                 |  |
|-----------------|--|
| Connector No.   | E301                                       |
| Connector Name  | COOLING FAN CONTROL MODULE (COOLING FAN-1) |
| Connector Type  | HK02FB                                     |
| Connector Color | BLACK                                      |



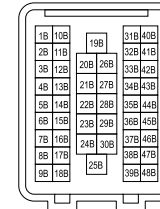
| Terminal No. | Color of Wire | Signal Name  |
|--------------|---------------|--------------|
| 4            | L             | PWM CONT FAN |
| 5            | B             | PWM CONT FAN |

|                 |  |
|-----------------|--|
| Connector No.   | E302                                       |
| Connector Name  | COOLING FAN CONTROL MODULE (COOLING FAN-2) |
| Connector Type  | HK02FB                                     |
| Connector Color | BLACK                                      |



| Terminal No. | Color of Wire | Signal Name  |
|--------------|---------------|--------------|
| 6            | B             | PWM CONT FAN |
| 7            | L             | PWM CONT FAN |

|                 |                   |
|-----------------|-------------------|
| Connector No.   | F1                |
| Connector Name  | WIRE TO WIRE      |
| Connector Type  | SAA36FB-RS10-SJ22 |
| Connector Color | BLACK             |



| Terminal No. | Color of Wire | Signal Name            |
|--------------|---------------|------------------------|
| 1B           | G             | TO ENGINE ROOM HARNESS |
| 2B           | O             | TO ENGINE ROOM HARNESS |
| 3B           | W             | TO ENGINE ROOM HARNESS |
| 4B           | R             | TO ENGINE ROOM HARNESS |
| 5B           | Y             | TO ENGINE ROOM HARNESS |
| 6B           | L             | TO ENGINE ROOM HARNESS |
| 7B           | -             | TO ENGINE ROOM HARNESS |
| 8B           | -             | TO ENGINE ROOM HARNESS |
| 9B           | SHIELD        | TO ENGINE ROOM HARNESS |
| 10B          | L             | TO ENGINE ROOM HARNESS |
| 11B          | G             | TO ENGINE ROOM HARNESS |
| 12B          | L             | TO ENGINE ROOM HARNESS |
| 13B          | G             | TO ENGINE ROOM HARNESS |
| 14B          | -             | TO ENGINE ROOM HARNESS |
| 15B          | -             | TO ENGINE ROOM HARNESS |
| 16B          | -             | TO ENGINE ROOM HARNESS |
| 17B          | -             | TO ENGINE ROOM HARNESS |
| 18B          | LG            | TO ENGINE ROOM HARNESS |
| 19B          | -             | TO ENGINE ROOM HARNESS |
| 20B          | -             | TO ENGINE ROOM HARNESS |

|     |    |                        |
|-----|----|------------------------|
| 21B | B  | TO ENGINE ROOM HARNESS |
| 22B | W  | TO ENGINE ROOM HARNESS |
| 23B | LG | TO ENGINE ROOM HARNESS |
| 24B | B  | TO ENGINE ROOM HARNESS |
| 25B | -  | TO ENGINE ROOM HARNESS |
| 26B | -  | TO ENGINE ROOM HARNESS |
| 27B | G  | TO ENGINE ROOM HARNESS |
| 28B | B  | TO ENGINE ROOM HARNESS |
| 29B | G  | TO ENGINE ROOM HARNESS |
| 30B | SB | TO ENGINE ROOM HARNESS |
| 31B | R  | TO ENGINE ROOM HARNESS |
| 32B | BR | TO ENGINE ROOM HARNESS |
| 33B | W  | TO ENGINE ROOM HARNESS |
| 34B | V  | TO ENGINE ROOM HARNESS |
| 35B | LG | TO ENGINE ROOM HARNESS |
| 36B | B  | TO ENGINE ROOM HARNESS |
| 37B | O  | TO ENGINE ROOM HARNESS |
| 38B | P  | TO ENGINE ROOM HARNESS |
| 39B | -  | TO ENGINE ROOM HARNESS |
| 40B | SB | TO ENGINE ROOM HARNESS |
| 41B | R  | TO ENGINE ROOM HARNESS |
| 42B | V  | TO ENGINE ROOM HARNESS |
| 43B | -  | TO ENGINE ROOM HARNESS |
| 44B | -  | TO ENGINE ROOM HARNESS |
| 45B | -  | TO ENGINE ROOM HARNESS |
| 46B | -  | TO ENGINE ROOM HARNESS |
| 47B | W  | TO ENGINE ROOM HARNESS |
| 48B | L  | TO ENGINE ROOM HARNESS |

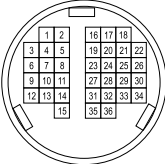
EV CONTROL SYSTEM CONNECTORS

|                 |                         |
|-----------------|-------------------------|
| Connector No.   | F13                     |
| Connector Name  | TRACTION MOTOR INVERTER |
| Connector Type  | RK22FGY                 |
| Connector Color | GRAY                    |



| Terminal No. | Color of Wire | Signal Name                              |
|--------------|---------------|--|
| 1            | G             | 12V BATTERY POWER SUPPLY                 |
| 2            | -             | -  |
| 3            | L             | TRACTION MOTOR RESOLVER SIGNAL (S2-S4)   |
| 4            | B             | GND                                      |
| 5            | L             | EV SYSTEM CAN-H                          |
| 6            | G             | 12V BATTERY POWER SUPPLY                 |
| 7            | Y             | TRACTION MOTOR TEMPERATURE SENSOR        |
| 8            | -             | -  |
| 9            | P             | TRACTION MOTOR RESOLVER SIGNAL (S2-S4)   |
| 10           | B             | GND                                      |
| 11           | G             | EV SYSTEM CAN-L                          |
| 12           | Y             | WATER TEMPERATURE SENSOR                 |
| 13           | -             | -  |
| 14           | W             | TRACTION MOTOR RESOLVER SIGNAL (S1-S3)   |
| 15           | BR            | WATER TEMPERATURE SENSOR GROUND          |
| 16           | G             | TRACTION MOTOR RESOLVER SIGNAL (R1-R2)   |
| 17           | -             | -  |
| 18           | LG            | POWER ON POWER SUPPLY                    |
| 19           | B             | TRACTION MOTOR RESOLVER SIGNAL (S1-S3)   |
| 20           | O             | TRACTION MOTOR TEMPERATURE SENSOR GROUND |
| 21           | -             | -  |
| 22           | R             | TRACTION MOTOR RESOLVER SIGNAL (R1-R2)   |

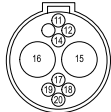
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|-----------------|-----------------------------|
| Connector No.   | F23                         |
| Connector Name  | PDM (POWER DELIVERY MODULE) |
| Connector Type  | RH36FG-GY                   |
| Connector Color | GREEN                       |



| Terminal No. | Color of Wire | Signal Name  |
|--------------|---------------|--|
| 1            | -             | -  |
| 2            | R             | QUICK CHARGE VOLTAGE SENSOR 1  |
| 3            | LG            | QUICK CHARGE VOLTAGE SENSOR 2  |
| 4            | B             | QUICK CHARGE VOLTAGE SENSOR GND  |
| 5            | -             | -  |
| 6            | L             | CAN-L (QUICK CHARGER COMMUNICATION)                                      |
| 7            | W             | CAN-H (QUICK CHARGER COMMUNICATION)                                      |
| 8            | V             | QUICK CHARGE RELAY (+)   |
| 9            | -             | -  |
| 10           | -             | -  |
| 11           | G             | CAN-L (EV SYSTEM)  |
| 12           | P             | HIGH VOLTAGE HARNESS CONNECTOR CONNECTION DETECTING CIRCUIT POWER SUPPLY |
| 13           | -             | -  |
| 14           | -             | -  |
| 15           | O             | HIGH VOLTAGE HARNESS CONNECTOR CONNECTION DETECTING CIRCUIT SIGNALS      |
| 16           | V             | POWER ON POWER SUPPLY  |
| 17           | -             | -  |
| 18           | R             | 12V BATTERY POWER SUPPLY   |
| 19           | -             | -  |
| 20           | -             | -  |
| 21           | -             | -  |
| 22           | -             | -  |
| 23           | -             | -  |
| 24           | SB            | QUICK CHARGE RELAY (-)   |
| 25           | -             | -  |
| 26           | -             | -  |
| 27           | L             | CAN-H (EV SYSTEM)  |
| 28           | -             | -  |
| 29           | W             | EVSE CONNECTING SIGNAL   |
| 30           | BR            | EVSE COMMUNICATION (PWM)   |
| 31           | -             | -  |
| 32           | -             | -  |

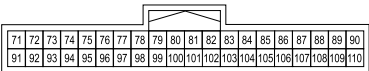
|    |   |   |
|----|---|---|
| 33 | - | - |
| 34 | - | - |
| 35 | - | - |
| 36 | - | - |

|                 |                   |
|-----------------|-------------------|
| Connector No.   | H10               |
| Connector Name  | QUICK CHARGE PORT |
| Connector Type  | 24342-3NA1D       |
| Connector Color | ORANGE            |



| Terminal No. | Color of Wire | Signal Name                         |
|--------------|---------------|-------------------------------------|
| 11           | B             | GROUND                              |
| 12           | Y             | QUICK CHARGER START/STOP SIGNAL 1   |
| 14           | L             | QUICK CHARGER PERMIT SIGNAL         |
| 15           | O             | Q-CHG P                             |
| 16           | O             | Q-CHG N                             |
| 17           | BR            | QUICK CHARGER CONNECTION SIGNAL     |
| 18           | W             | CAN-H (QUICK CHARGER COMMUNICATION) |
| 19           | L             | CAN-L (QUICK CHARGER COMMUNICATION) |
| 20           | G             | QUICK CHARGER START/STOP SIGNAL 2   |

|                 |                           |
|-----------------|---------------------------|
| Connector No.   | M23                       |
| Connector Name  | BCM (BODY CONTROL MODULE) |
| Connector Type  | TH40FW-NH                 |
| Connector Color | WHITE                     |



| Terminal No. | Color of Wire | Signal Name     |
|--------------|---------------|-----------------|
| 71           | -             | -               |
| 72           | -             | -               |
| 73           | -             | -               |
| 74           | -             | -               |
| 75           | LA/LG         | REQUEST SW (DR) |
| 76           | LA/SB         | ENGINE START SW |

|     |       |  |
|-----|-------|--|
| 77  | -     | -  |
| 78  | LA/P  | DOOR ANTENNA (DR) +                              |
| 79  | LA/V  | DOOR ANTENNA (DR) -                              |
| 80  | LA/R  | DOOR ANTENNA (AS) +                              |
| 81  | LA/G  | DOOR ANTENNA (AS) -                              |
| 82  | LA/W  | BACK DOOR ANTENNA +                              |
| 83  | LA/B  | BACK DOOR ANTENNA -                              |
| 84  | BR    | ROOM ANTENNA 1 +                                 |
| 85  | Y     | ROOM ANTENNA 1 -                                 |
| 86  | LA/G  | ROOM ANTENNA 2 +                                 |
| 87  | LA/R  | ROOM ANTENNA 2 -                                 |
| 88  | LA/BR | ROOM ANTENNA 3 +                                 |
| 89  | LA/L  | ROOM ANTENNA 3 -                                 |
| 90  | LA/Y  | HIGHSIDE ENGINE START SW ILLUMINATION LED        |
| 91  | LA/V  | POWER POSITION LED (LOCK POSITION LED)           |
| 92  | B     | LOW SIDE ENGINE START SW ILLUMINATION LED OUTPUT |
| 93  | LA/G  | SMART KEYLESS BUZZER OUTPUT                      |
| 94  | -     | -  |
| 95  | -     | -  |
| 96  | BR    | ACC RELAY OUTPUT                                 |
| 97  | LA/GR | STARTER RELAY OUTPUT                             |
| 98  | LA/L  | IGN RELAY OUTPUT1 (USM)                          |
| 99  | GR    | IGN RELAY OUTPUT2 (ELEC)                         |
| 100 | LA/Y  | REQUEST SWITCH (AS)                              |
| 101 | -     | -  |
| 102 | LA/BG | SHIFT N, P                                       |
| 103 | -     | -  |
| 104 | -     | -  |
| 105 | LA/GR | BRAKE SW2  |
| 106 | -     | -  |
| 107 | -     | -  |
| 108 | -     | -  |
| 109 | -     | -  |
| 110 | -     | -  |

EV CONTROL SYSTEM CONNECTORS

|                 |                           |
|-----------------|---------------------------|
| Connector No.   | M24                       |
| Connector Name  | BCM (BODY CONTROL MODULE) |
| Connector Type  | TH40FB-NH                 |
| Connector Color | BLACK                     |



|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

| Terminal No. | Color of Wire | Signal Name                               |
|--------------|---------------|---|
| 1            | -             | -   |
| 2            | LA/L          | COMBINATION SW INPUT 5                    |
| 3            | LA/GR         | COMBINATION SW INPUT 4                    |
| 4            | LA/BR         | COMBINATION SW INPUT 3                    |
| 5            | LA/G          | COMBINATION SW INPUT 2                    |
| 6            | LA/V          | COMBINATION SW INPUT 1                    |
| 7            | LA/GR         | KEY CYLINDER UNLOCK SW                    |
| 8            | LA/R          | KEY CYLINDER LOCK SW                      |
| 9            | LA/BR         | BRAKE SW1                                 |
| 10           | -             | -   |
| 11           | -             | -   |
| 12           | Y             | CENTRAL DOOR LOCK SW                      |
| 13           | BR            | CENTRAL DOOR UNLOCK SW                    |
| 14           | G             | AUTO LIGHT SENSOR INPUT                   |
| 15           | LA/W          | REAR DEFOGGER SW                          |
| 16           | LA/R          | MR OUTPUT                                 |
| 17           | Y             | AUTO LIGHT SENSOR POWER SUPPLY OUTPUT     |
| 18           | LA/L          | KEYLESS TUNER, AUTO LIGHT SENSOR GND      |
| 19           | LA/BR         | KEYLESS TUNER POWER SUPPLY                |
| 20           | LA/SB         | KEYLESS TUNER SIGNAL                      |
| 21           | LA/P          | IMMOBILIZER ONE WAY COMMUNICATION (CLOCK) |
| 22           | LA/W          | KEYLESS TUNER RSSI                        |
| 23           | LA/G          | SECURITY INDICATOR OUTPUT                 |
| 24           | SB            | AUDIO/DONGLE LINK (SERIAL)                |
| 25           | LA/LG         | IMMOBILIZER TWO WAY COMMUNICATION         |
| 26           | -             | -   |
| 27           | -             | -   |
| 28           | -             | -   |
| 29           | G             | HAZARD SW                                 |
| 30           | LA/V          | BACK DOOR OPENER SW                       |
| 31           | LA/W          | DOOR LOCK STATUS SW (DR)                  |
| 32           | LA/LG         | COMBINATION SW OUTPUT 5                   |
| 33           | LA/Y          | COMBINATION SW OUTPUT 4                   |
| 34           | LA/W          | COMBINATION SW OUTPUT 3                   |
| 35           | LA/BG         | COMBINATION SW OUTPUT 2                   |
| 36           | LA/P          | COMBINATION SW OUTPUT 1                   |

|    |      |                                       |
|----|------|---------------------------------------|
| 37 | LA/Y | SHIFT P POSITION, PARKING POSITION SW |
| 38 | -    | -                                     |
| 39 | L    | CAN-H                                 |
| 40 | P    | CAN-L                                 |

|                 |                   |
|-----------------|-------------------|
| Connector No.   | M34               |
| Connector Name  | COMBINATION METER |
| Connector Type  | TH40FW-NH         |
| Connector Color | WHITE             |



|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

| Terminal No. | Color of Wire | Signal Name      |
|--------------|---------------|------------------|
| 1            | B             | ILL CONT OUT     |
| 2            | -             | -                |
| 3            | -             | -                |
| 4            | LA/GR         | 8P/R O/P         |
| 5            | -             | -                |
| 6            | -             | -                |
| 7            | -             | -                |
| 8            | L             | CAN-H            |
| 9            | LA/L          | CHARGE INDICATOR |
| 10           | P             | CAN-L            |
| 11           | LA/G          | SECURITY         |
| 12           | SB            | M CAN-H          |
| 13           | LA/BR         | TRIP RESET SW    |
| 14           | LG            | M CAN-L          |
| 15           | LA/P          | ILL CONT UP      |
| 16           | LA/SB         | ILL CONT DOWN    |
| 17           | -             | -                |
| 18           | LA/B          | SW GND           |
| 19           | B             | STRG SW GND      |
| 20           | -             | -                |
| 21           | LG            | BAT              |
| 22           | Y             | WASHER SW        |
| 23           | GR            | IGN              |
| 24           | -             | -                |
| 25           | BR            | ACC              |
| 26           | -             | -                |
| 27           | -             | -                |
| 28           | -             | -                |
| 29           | LA/G          | BRAKE OIL        |
| 30           | BG            | PKB SW           |
| 31           | W             | BUCKLE SW FR DR  |
| 32           | -             | -                |
| 33           | -             | -                |
| 34           | -             | -                |

|    |   |                |
|----|---|----------------|
| 35 | V | STRG SW INPUT1 |
| 36 | G | STRG SW INPUT2 |
| 37 | - | -              |
| 38 | - | -              |
| 39 | B | GND1 (ILL)     |
| 40 | B | GND2 (POWER)   |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | M36                 |
| Connector Name  | JOINT CONNECTOR-M02 |
| Connector Type  | NH20FL-DC           |
| Connector Color | BLUE                |



|    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|
|    | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  |    |
| 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |

| Terminal No. | Color of Wire | Signal Name  |
|--------------|---------------|--------------|
| 1            | LA/B          | GROUND       |
| 2            | B             | GROUND       |
| 3            | B             | GROUND       |
| 4            | B             | GROUND       |
| 5            | B             | GROUND       |
| 6            | B             | GROUND       |
| 7            | LA/B          | GROUND       |
| 8            | B             | GROUND       |
| 9            | B             | ILL CONT OUT |
| 10           | LA/R          | SENS GND     |
| 11           | R             | SENS GND     |
| 12           | R             | SENS GND     |
| 13           | LA/R          | SENS GND     |
| 14           | GR            | SENS GND     |
| 15           | LA/B          | SENS GND     |
| 16           | LA/B          | SENS GND     |
| 17           | LA/B          | SENS GND     |
| 18           | V             | SENS GND     |
| 19           | LA/L          | SENS GND     |
| 20           | LA/V          | SENS GND     |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | M41                 |
| Connector Name  | JOINT CONNECTOR-M06 |
| Connector Type  | NH20FL-DC           |
| Connector Color | BLUE                |

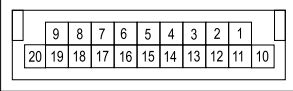


|    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|
|    | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  |    |
| 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |

| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | -             | -           |
| 2            | B             | GROUND      |
| 3            | B             | GROUND      |
| 4            | B             | GROUND      |
| 5            | B             | GROUND      |
| 6            | B             | GROUND      |
| 7            | B             | GROUND      |
| 8            | B             | GROUND      |
| 9            | B             | GROUND      |
| 10           | Y             | BATTERY     |
| 11           | Y             | BATTERY     |
| 12           | -             | -           |
| 13           | LA/G          | BATTERY     |
| 14           | P             | CAN-L       |
| 15           | Y             | BATTERY     |
| 16           | LG            | BATTERY     |
| 17           | W             | BATTERY     |
| 18           | P             | CAN-L       |
| 19           | P             | CAN-L       |
| 20           | P             | CAN-L       |

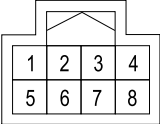
EV CONTROL SYSTEM CONNECTORS

|                 |                     |
|-----------------|---------------------|
| Connector No.   | M50                 |
| Connector Name  | JOINT CONNECTOR-M03 |
| Connector Type  | NH20FL-DC           |
| Connector Color | BLUE                |



| Terminal No. | Color of Wire | Signal Name             |
|--------------|---------------|-------------------------|
| 1            | LA/B          | GROUND                  |
| 2            | B             | GROUND                  |
| 3            | B             | GROUND                  |
| 4            | B             | GROUND                  |
| 5            | B             | GROUND                  |
| 6            | B             | GROUND                  |
| 7            | B             | GROUND                  |
| 8            | B             | GROUND                  |
| 9            | B             | GROUND                  |
| 10           | LA/W          | IGNITION RELAY-2 OUTPUT |
| 11           | W             | IGNITION RELAY-2 OUTPUT |
| 12           | G             | IGNITION RELAY-2 OUTPUT |
| 13           | W             | IGNITION RELAY-2 OUTPUT |
| 14           | Y             | IGNITION RELAY-2 OUTPUT |
| 15           | W             | IGNITION RELAY-2 OUTPUT |
| 16           | Y             | IGNITION RELAY-2 OUTPUT |
| 17           | G             | IGNITION RELAY-2 OUTPUT |
| 18           | L             | EV CAN-H                |
| 19           | L             | EV CAN-H                |
| 20           | L             | EV CAN-H                |

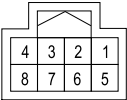
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|-----------------|--------------------|
| Connector No.   | M56                |
| Connector Name  | SELECTOR INDICATOR |
| Connector Type  | TH08FW-NH          |
| Connector Color | WHITE              |



| Terminal No. | Color of Wire | Signal Name      |
|--------------|---------------|------------------|
| 1            | Y             | R POSITION INPUT |
| 2            | R             | BATTERY          |
| 3            | GR            | P POSITION INPUT |
| 4            | B             | ILL CONT OUT     |

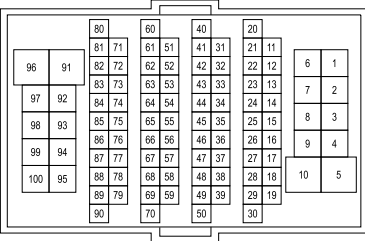
|   |    |                  |
|---|----|------------------|
| 5 | SB | TAIL1            |
| 6 | -  | -                |
| 7 | L  | N POSITION INPUT |
| 8 | LG | D POSITION INPUT |

|                 |                           |
|-----------------|---------------------------|
| Connector No.   | M65                       |
| Connector Name  | IMMEDIATE CHARGING SWITCH |
| Connector Type  | TH08FB-NH                 |
| Connector Color | BLACK                     |



| Terminal No. | Color of Wire | Signal Name               |
|--------------|---------------|---------------------------|
| 1            | W             | TAIL1                     |
| 2            | -             | -                         |
| 3            | -             | -                         |
| 4            | B             | ILL CONT OUT              |
| 5            | -             | -                         |
| 6            | LA/SB         | IMMEDIATE CHARGING SWITCH |
| 7            | -             | -                         |
| 8            | B             | GROUND                    |

|                 |                 |
|-----------------|-----------------|
| Connector No.   | M77             |
| Connector Name  | WIRE TO WIRE    |
| Connector Type  | TH80FW-CS16-TM4 |
| Connector Color | WHITE           |



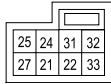
| Terminal No. | Color of Wire | Signal Name            |
|--------------|---------------|------------------------|
| 1            | G             | TO ENGINE ROOM HARNESS |
| 2            | LA/L          | TO ENGINE ROOM HARNESS |
| 3            | LA/P          | TO ENGINE ROOM HARNESS |
| 4            | LA/G          | TO ENGINE ROOM HARNESS |
| 5            | -             | TO ENGINE ROOM HARNESS |

|    |       |                        |
|----|-------|------------------------|
| 6  | LA/P  | TO ENGINE ROOM HARNESS |
| 7  | LA/Y  | TO ENGINE ROOM HARNESS |
| 8  | LA/GR | TO ENGINE ROOM HARNESS |
| 9  | LA/LG | TO ENGINE ROOM HARNESS |
| 10 | L     | TO ENGINE ROOM HARNESS |
| 11 | -     | TO ENGINE ROOM HARNESS |
| 12 | -     | TO ENGINE ROOM HARNESS |
| 13 | -     | TO ENGINE ROOM HARNESS |
| 14 | -     | TO ENGINE ROOM HARNESS |
| 15 | -     | TO ENGINE ROOM HARNESS |
| 16 | -     | TO ENGINE ROOM HARNESS |
| 17 | -     | TO ENGINE ROOM HARNESS |
| 18 | -     | TO ENGINE ROOM HARNESS |
| 19 | -     | TO ENGINE ROOM HARNESS |
| 20 | -     | TO ENGINE ROOM HARNESS |
| 21 | -     | TO ENGINE ROOM HARNESS |
| 22 | -     | TO ENGINE ROOM HARNESS |
| 23 | -     | TO ENGINE ROOM HARNESS |
| 24 | -     | TO ENGINE ROOM HARNESS |
| 25 | -     | TO ENGINE ROOM HARNESS |
| 26 | -     | TO ENGINE ROOM HARNESS |
| 27 | -     | TO ENGINE ROOM HARNESS |
| 28 | -     | TO ENGINE ROOM HARNESS |
| 29 | -     | TO ENGINE ROOM HARNESS |
| 30 | -     | TO ENGINE ROOM HARNESS |
| 31 | BR    | TO ENGINE ROOM HARNESS |
| 32 | G     | TO ENGINE ROOM HARNESS |
| 33 | G     | TO ENGINE ROOM HARNESS |
| 34 | R     | TO ENGINE ROOM HARNESS |
| 35 | P     | TO ENGINE ROOM HARNESS |
| 36 | LA/SB | TO ENGINE ROOM HARNESS |
| 37 | LA/GR | TO ENGINE ROOM HARNESS |
| 38 | LG    | TO ENGINE ROOM HARNESS |
| 39 | SB    | TO ENGINE ROOM HARNESS |
| 40 | LA/V  | TO ENGINE ROOM HARNESS |
| 41 | BR    | TO ENGINE ROOM HARNESS |
| 42 | L     | TO ENGINE ROOM HARNESS |
| 43 | GR    | TO ENGINE ROOM HARNESS |
| 44 | BR    | TO ENGINE ROOM HARNESS |
| 45 | L     | TO ENGINE ROOM HARNESS |
| 46 | GR    | TO ENGINE ROOM HARNESS |
| 47 | LA/BG | TO ENGINE ROOM HARNESS |
| 48 | LA/P  | TO ENGINE ROOM HARNESS |
| 49 | LA/R  | TO ENGINE ROOM HARNESS |
| 50 | Y     | TO ENGINE ROOM HARNESS |
| 51 | LA/SB | TO ENGINE ROOM HARNESS |
| 52 | LA/Y  | TO ENGINE ROOM HARNESS |
| 53 | R     | TO ENGINE ROOM HARNESS |
| 54 | B     | TO ENGINE ROOM HARNESS |
| 55 | P     | TO ENGINE ROOM HARNESS |
| 56 | Y     | TO ENGINE ROOM HARNESS |
| 57 | W     | TO ENGINE ROOM HARNESS |
| 58 | LA/L  | TO ENGINE ROOM HARNESS |
| 59 | R     | TO ENGINE ROOM HARNESS |
| 60 | LA/BR | TO ENGINE ROOM HARNESS |

|     |        |                        |
|-----|--------|------------------------|
| 61  | LA/BG  | TO ENGINE ROOM HARNESS |
| 62  | BG     | TO ENGINE ROOM HARNESS |
| 63  | W      | TO ENGINE ROOM HARNESS |
| 64  | SHIELD | TO ENGINE ROOM HARNESS |
| 65  | BR     | TO ENGINE ROOM HARNESS |
| 66  | L      | TO ENGINE ROOM HARNESS |
| 67  | R      | TO ENGINE ROOM HARNESS |
| 68  | LA/G   | TO ENGINE ROOM HARNESS |
| 69  | LA/GR  | TO ENGINE ROOM HARNESS |
| 70  | Y      | TO ENGINE ROOM HARNESS |
| 71  | G      | TO ENGINE ROOM HARNESS |
| 72  | LG     | TO ENGINE ROOM HARNESS |
| 73  | LA/Y   | TO ENGINE ROOM HARNESS |
| 74  | B      | TO ENGINE ROOM HARNESS |
| 75  | LA/R   | TO ENGINE ROOM HARNESS |
| 76  | LA/L   | TO ENGINE ROOM HARNESS |
| 77  | -      | TO ENGINE ROOM HARNESS |
| 78  | -      | TO ENGINE ROOM HARNESS |
| 79  | G      | TO ENGINE ROOM HARNESS |
| 80  | LA/L   | TO ENGINE ROOM HARNESS |
| 81  | LA/W   | TO ENGINE ROOM HARNESS |
| 82  | LA/LG  | TO ENGINE ROOM HARNESS |
| 83  | G      | TO ENGINE ROOM HARNESS |
| 84  | -      | TO ENGINE ROOM HARNESS |
| 85  | LA/GR  | TO ENGINE ROOM HARNESS |
| 86  | LA/G   | TO ENGINE ROOM HARNESS |
| 87  | -      | TO ENGINE ROOM HARNESS |
| 88  | LG     | TO ENGINE ROOM HARNESS |
| 89  | V      | TO ENGINE ROOM HARNESS |
| 90  | SHIELD | TO ENGINE ROOM HARNESS |
| 91  | Y      | TO ENGINE ROOM HARNESS |
| 92  | Y      | TO ENGINE ROOM HARNESS |
| 93  | G      | TO ENGINE ROOM HARNESS |
| 94  | LG     | TO ENGINE ROOM HARNESS |
| 95  | L      | TO ENGINE ROOM HARNESS |
| 96  | P      | TO ENGINE ROOM HARNESS |
| 97  | BR     | TO ENGINE ROOM HARNESS |
| 98  | -      | TO ENGINE ROOM HARNESS |
| 99  | W      | TO ENGINE ROOM HARNESS |
| 100 | R      | TO ENGINE ROOM HARNESS |

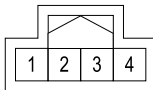
# EV CONTROL SYSTEM CONNECTORS

|                 |                                      |
|-----------------|--------------------------------------|
| Connector No.   | M92                                  |
| Connector Name  | COMBINATION SWITCH<br>(SPIRAL CABLE) |
| Connector Type  | TK08FGY-1V                           |
| Connector Color | GRAY                                 |



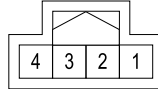
| Terminal No. | Color of Wire | Signal Name                 |
|--------------|---------------|-----------------------------|
| 21           | -             | -                           |
| 22           | R             | MOTOR +                     |
| 24           | V             | STRG SW A                   |
| 25           | LG            | ASCD STEERING SWITCH        |
| 27           | B             | MOTOR -                     |
| 31           | G             | STRG SW B                   |
| 32           | SB            | ASCD STEERING SWITCH GROUND |
| 33           | B             | STRG SW GND                 |

|                 |                               |
|-----------------|-------------------------------|
| Connector No.   | M93                           |
| Connector Name  | CHARGE PORT LID OPENER SWITCH |
| Connector Type  | TH04FGY                       |
| Connector Color | GRAY                          |



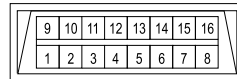
| Terminal No. | Color of Wire | Signal Name                   |
|--------------|---------------|-------------------------------|
| 1            | P             | TAIL1                         |
| 2            | BR            | CHARGE PORT LID OPENER SWITCH |
| 3            | B             | GROUND                        |
| 4            | B             | ILL CONT OUT                  |

|                 |              |
|-----------------|--------------|
| Connector No.   | M99          |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | TH04FW-NH    |
| Connector Color | WHITE        |



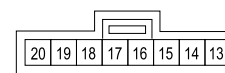
| Terminal No. | Color of Wire | Signal Name         |
|--------------|---------------|---------------------|
| 1            | LA/BG         | TO MAIN SUB-HARNESS |
| 2            | LA/P          | TO MAIN SUB-HARNESS |
| 3            | LA/R          | TO MAIN SUB-HARNESS |
| 4            | LG            | TO MAIN SUB-HARNESS |

|                 |                     |
|-----------------|---------------------|
| Connector No.   | M105                |
| Connector Name  | DATA LINK CONNECTOR |
| Connector Type  | BD16FW              |
| Connector Color | WHITE               |



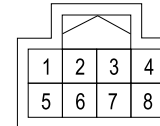
| Terminal No. | Color of Wire | Signal Name |
|--------------|---------------|-------------|
| 1            | -             | -           |
| 2            | -             | -           |
| 3            | -             | -           |
| 4            | B             | GND         |
| 5            | B             | GND         |
| 6            | L             | CAN-H       |
| 7            | GR            | K LINE      |
| 8            | G             | IGN         |
| 9            | -             | -           |
| 10           | -             | -           |
| 11           | -             | -           |
| 12           | -             | -           |
| 13           | -             | -           |
| 14           | W             | CAN-L       |
| 15           | -             | -           |
| 16           | Y             | +B          |

|                 |                                      |
|-----------------|--------------------------------------|
| Connector No.   | M112                                 |
| Connector Name  | COMBINATION SWITCH<br>(SPIRAL CABLE) |
| Connector Type  | TK08FGY-X                            |
| Connector Color | GRAY                                 |



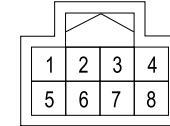
| Terminal No. | Color of Wire | Signal Name                 |
|--------------|---------------|-----------------------------|
| 13           | V             | ASCD STEERING SWITCH        |
| 14           | P             | STRG SW A                   |
| 15           | L             | STRG SW B                   |
| 16           | GR            | ASCD STEERING SWITCH GROUND |
| 17           | G             | STRG SW GND                 |
| 18           | BR            | HORN SW                     |
| 19           | Y             | TAIL 1                      |
| 20           | R             | ILL CONT OUT                |

|                 |                |
|-----------------|----------------|
| Connector No.   | M160           |
| Connector Name  | E-PEDAL SWITCH |
| Connector Type  | TH08FB-NH      |
| Connector Color | BLACK          |



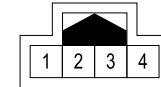
| Terminal No. | Color of Wire | Signal Name    |
|--------------|---------------|----------------|
| 1            | B             | GROUND         |
| 2            | -             | -              |
| 3            | -             | -              |
| 4            | -             | -              |
| 5            | -             | -              |
| 6            | GR            | E-PEDAL SWITCH |
| 7            | P             | ILL +          |
| 8            | B             | ILL -          |

|                 |                 |
|-----------------|-----------------|
| Connector No.   | M161            |
| Connector Name  | ECO MODE SWITCH |
| Connector Type  | TH08FG-NH       |
| Connector Color | GREEN           |



| Terminal No. | Color of Wire | Signal Name     |
|--------------|---------------|-----------------|
| 1            | B             | ILL -           |
| 2            | -             | -               |
| 3            | -             | -               |
| 4            | R             | ILL +           |
| 5            | B             | GROUND          |
| 6            | -             | -               |
| 7            | R             | ECO MODE SWITCH |
| 8            | -             | -               |

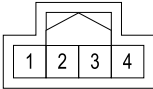
|                 |              |
|-----------------|--------------|
| Connector No.   | M200         |
| Connector Name  | WIRE TO WIRE |
| Connector Type  | TH04MW-NH    |
| Connector Color | WHITE        |



| Terminal No. | Color of Wire | Signal Name     |
|--------------|---------------|-----------------|
| 1            | LA/V          | TO MAIN HARNESS |
| 2            | LA/P          | TO MAIN HARNESS |
| 3            | LA/SB         | TO MAIN HARNESS |
| 4            | LA/L          | TO MAIN HARNESS |

EV CONTROL SYSTEM CONNECTORS

|                 |                           |
|-----------------|---------------------------|
| Connector No.   | M201                      |
| Connector Name  | CHARGING STATUS INDICATOR |
| Connector Type  | TH04FW-NH                 |
| Connector Color | WHITE                     |



| Terminal No. | Color of Wire | Signal Name                 |
|--------------|---------------|-----------------------------|
| 1            | LA/V          | CHARGING STATUS INDICATOR 1 |
| 2            | LA/P          | CHARGING STATUS INDICATOR 2 |
| 3            | LA/SB         | CHARGING STATUS INDICATOR 3 |
| 4            | LA/L          | BATTERY                     |