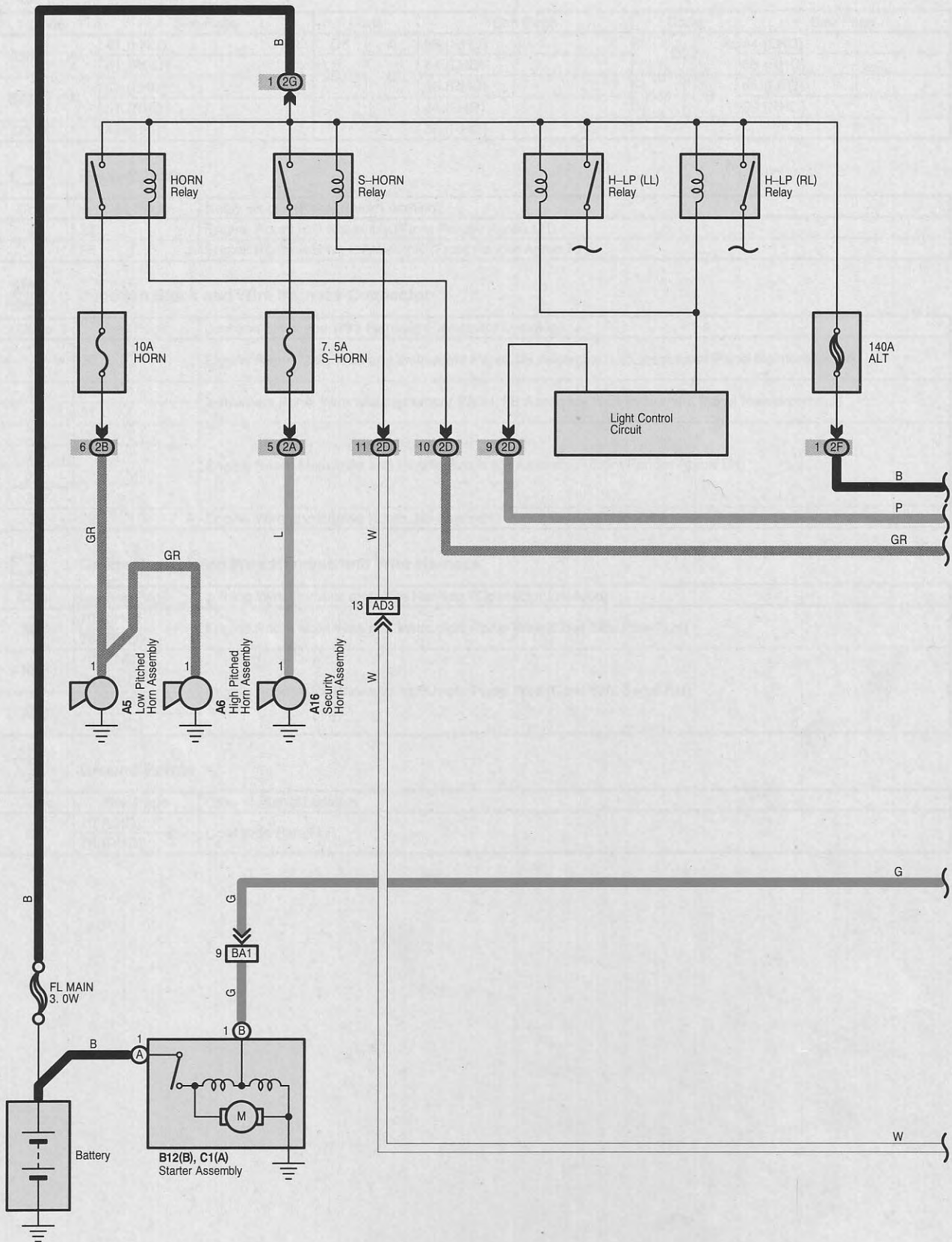
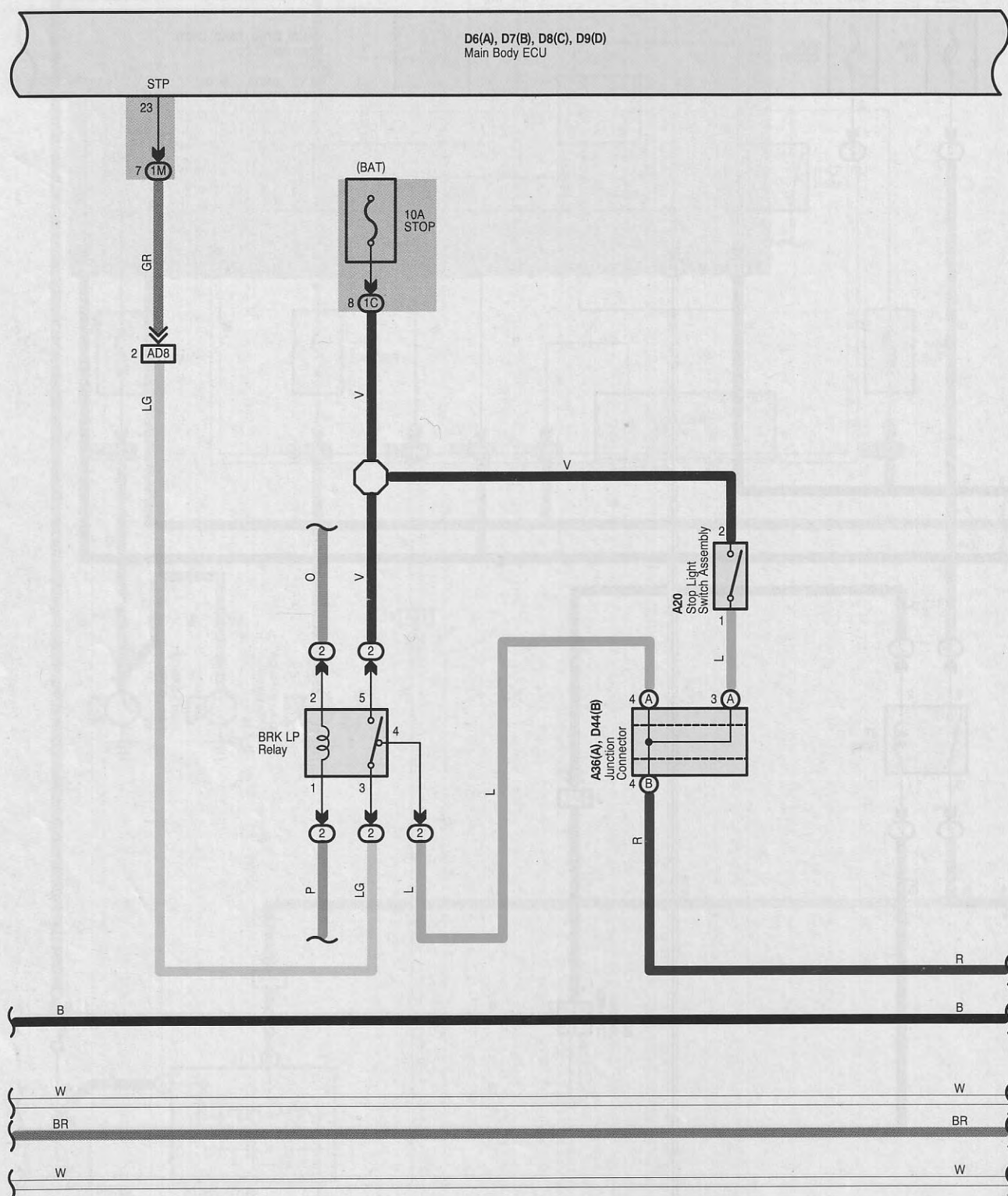


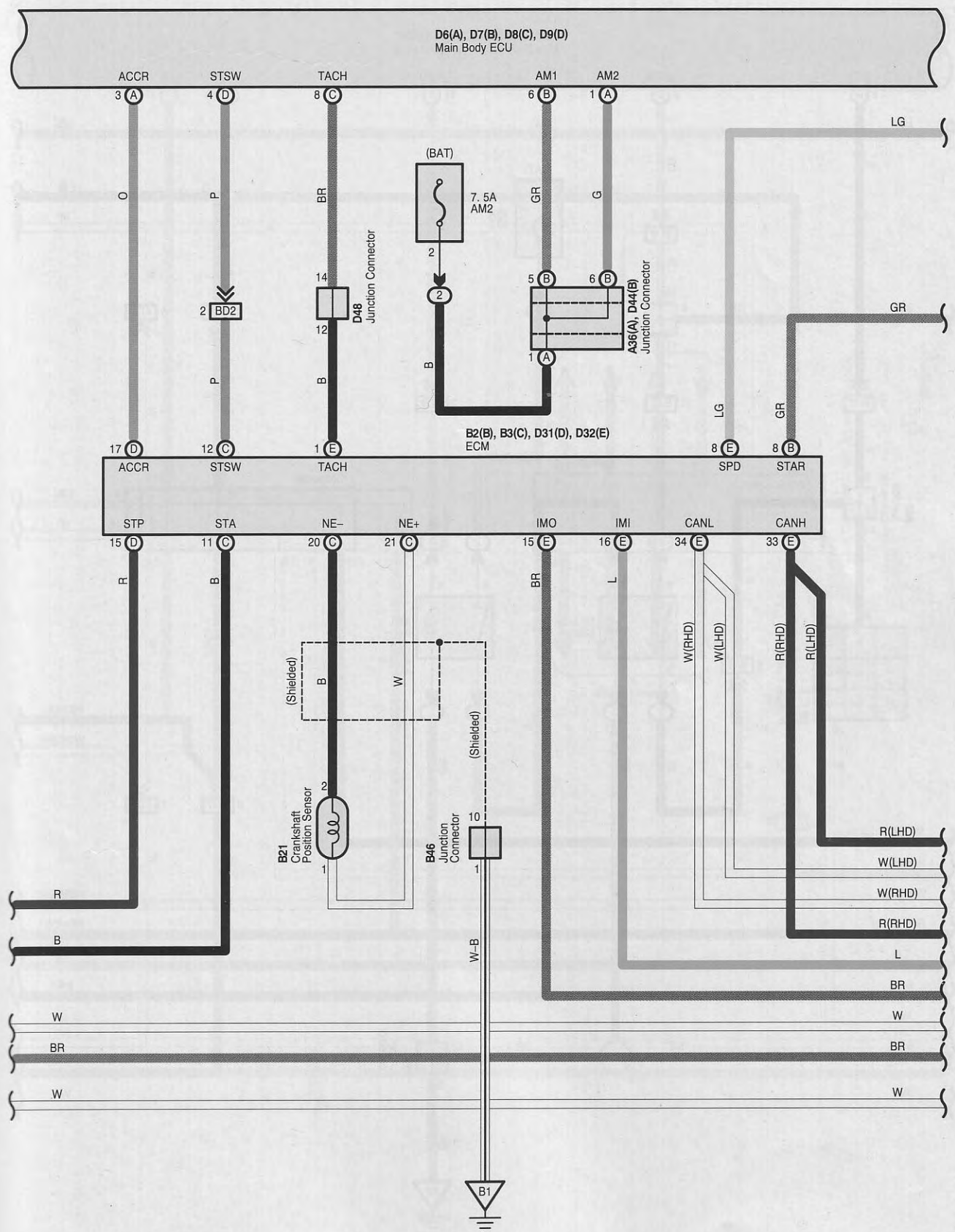
# Smart Entry & Start System



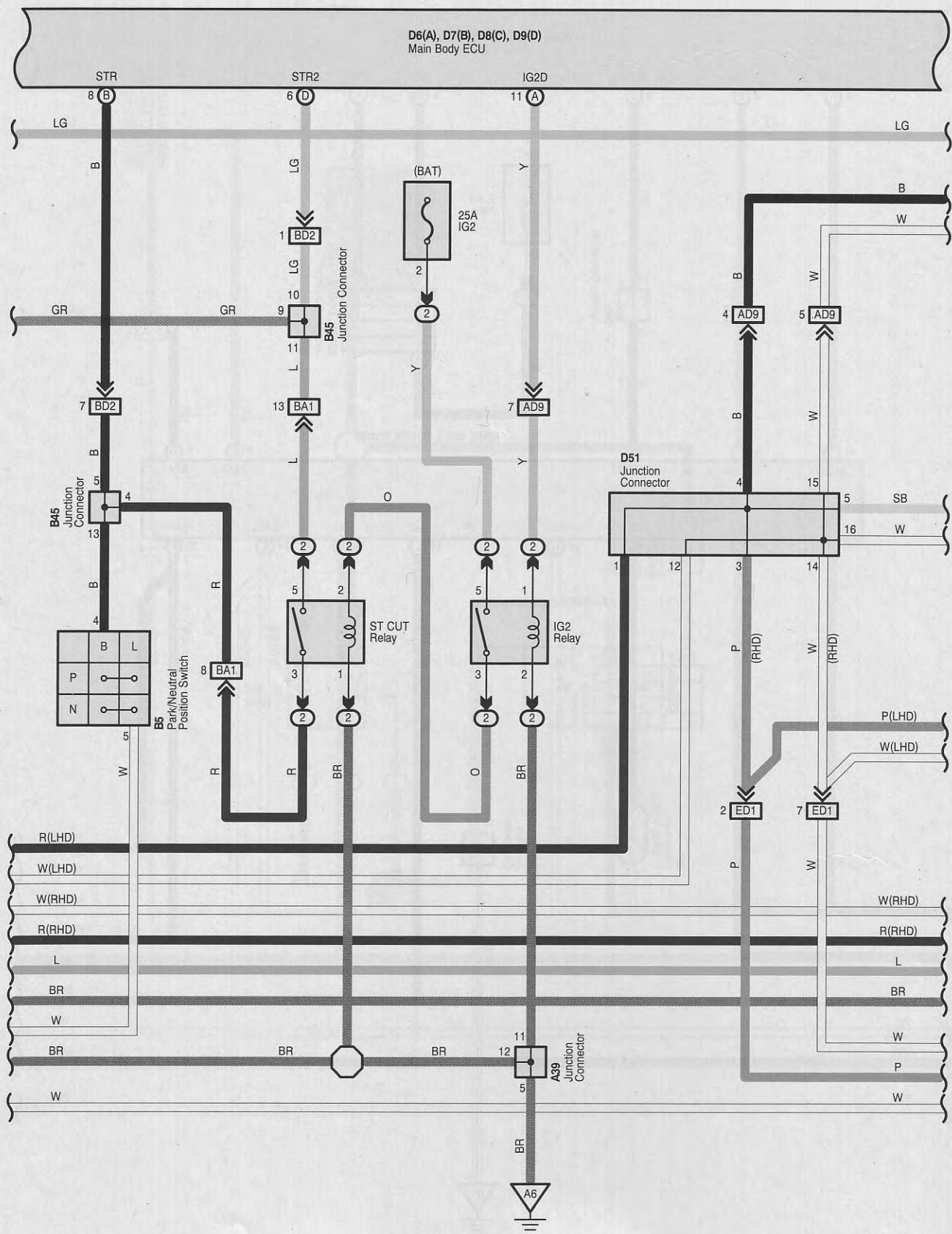


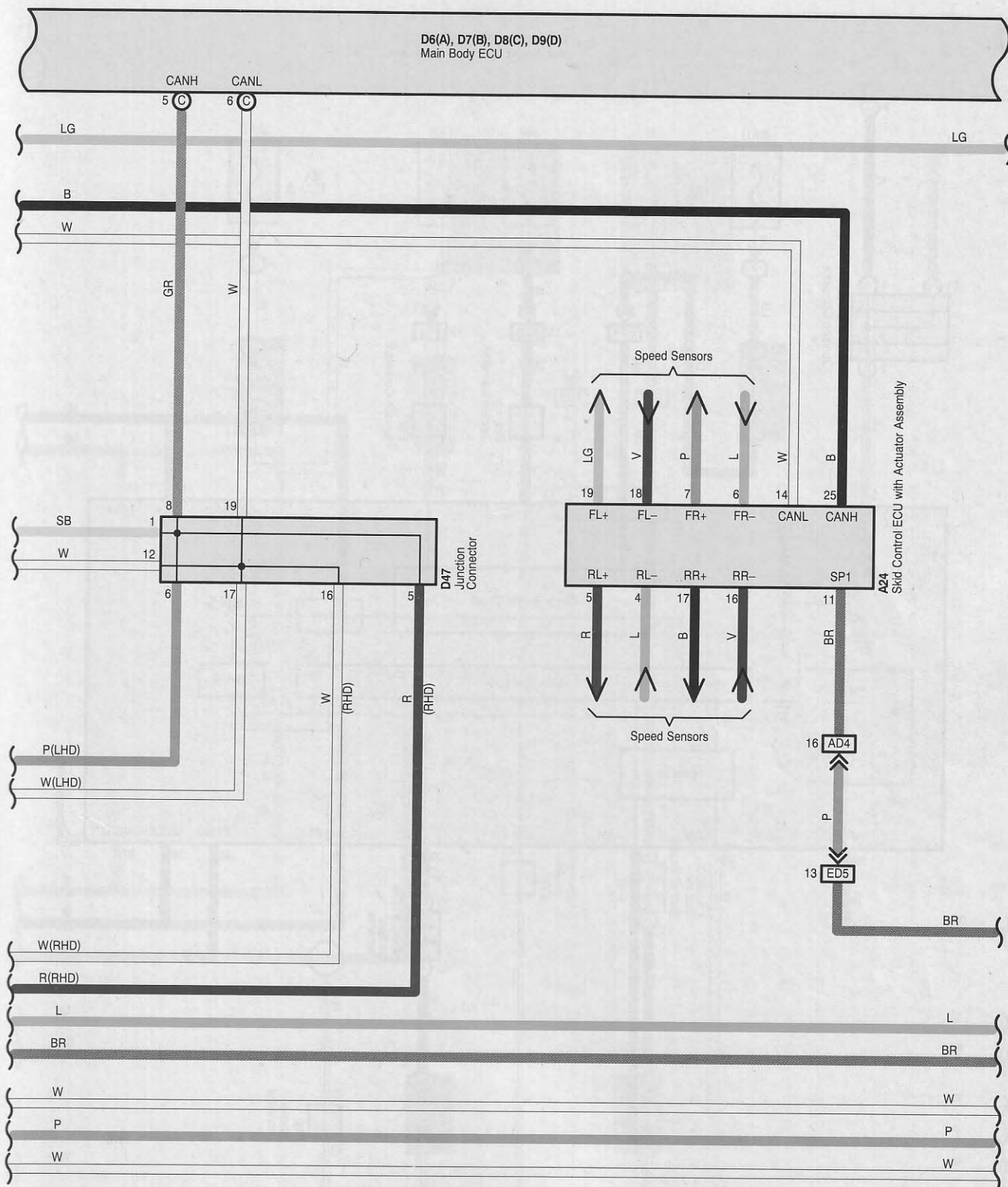
# Smart Entry & Start System



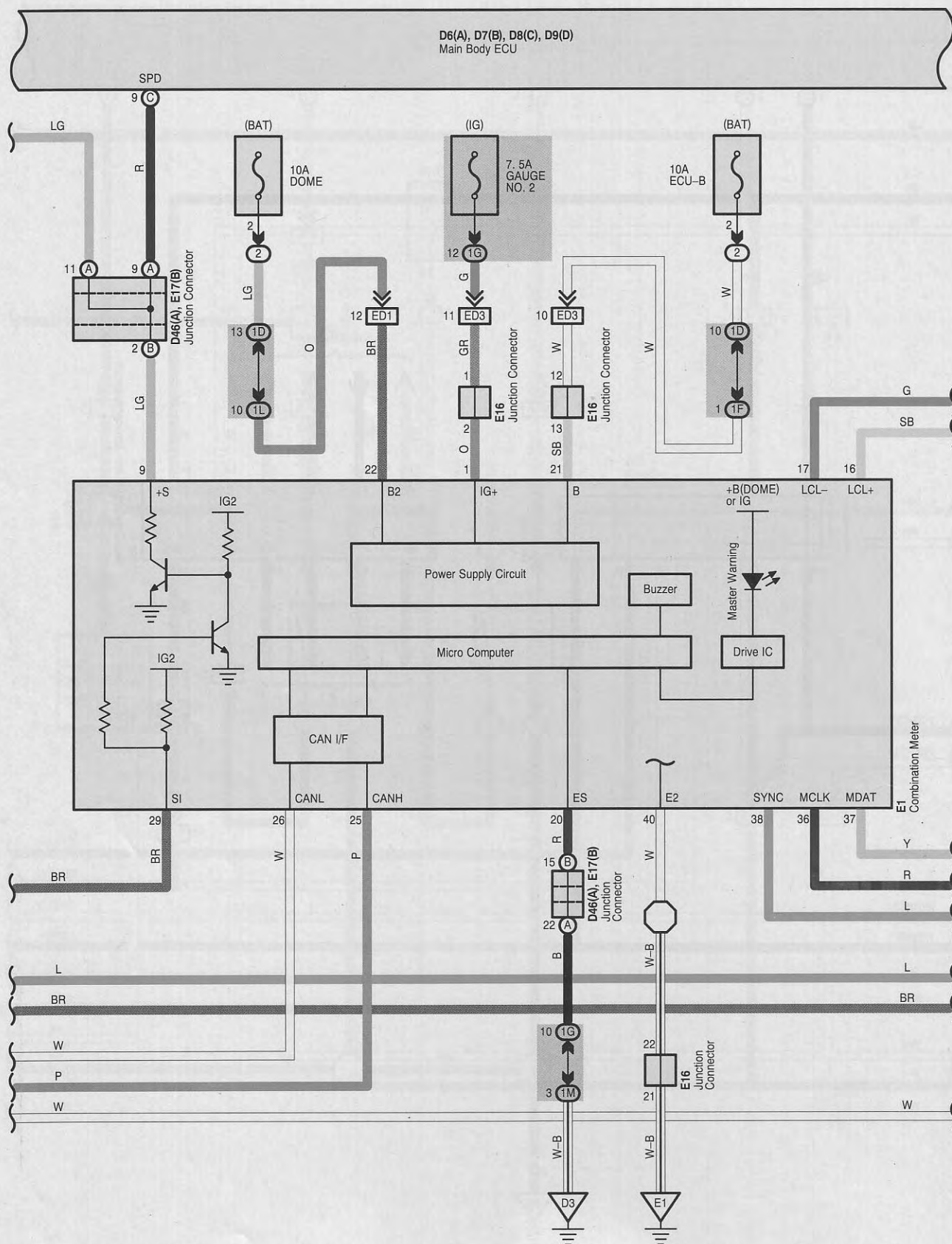


# Smart Entry & Start System

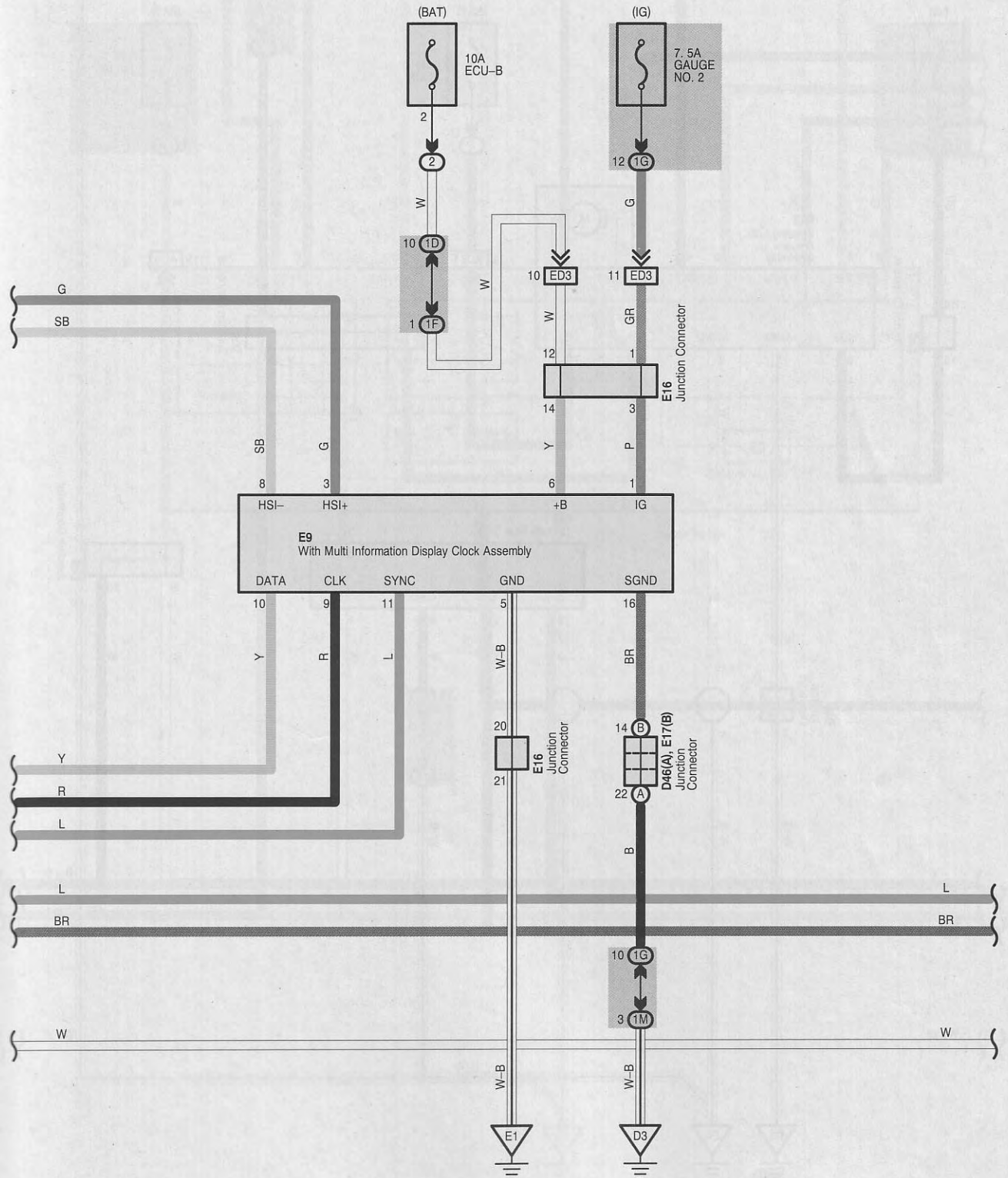




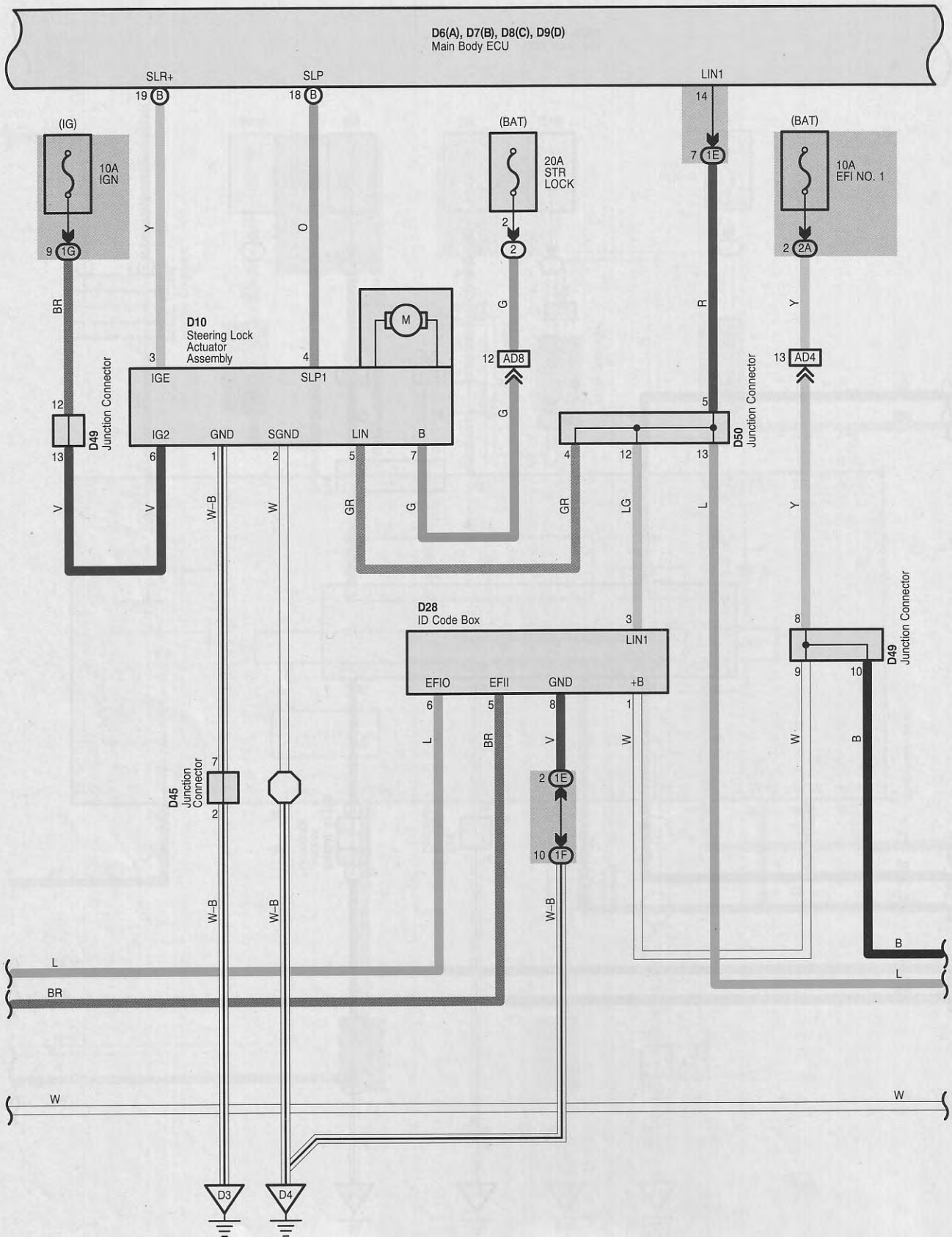
# Smart Entry & Start System

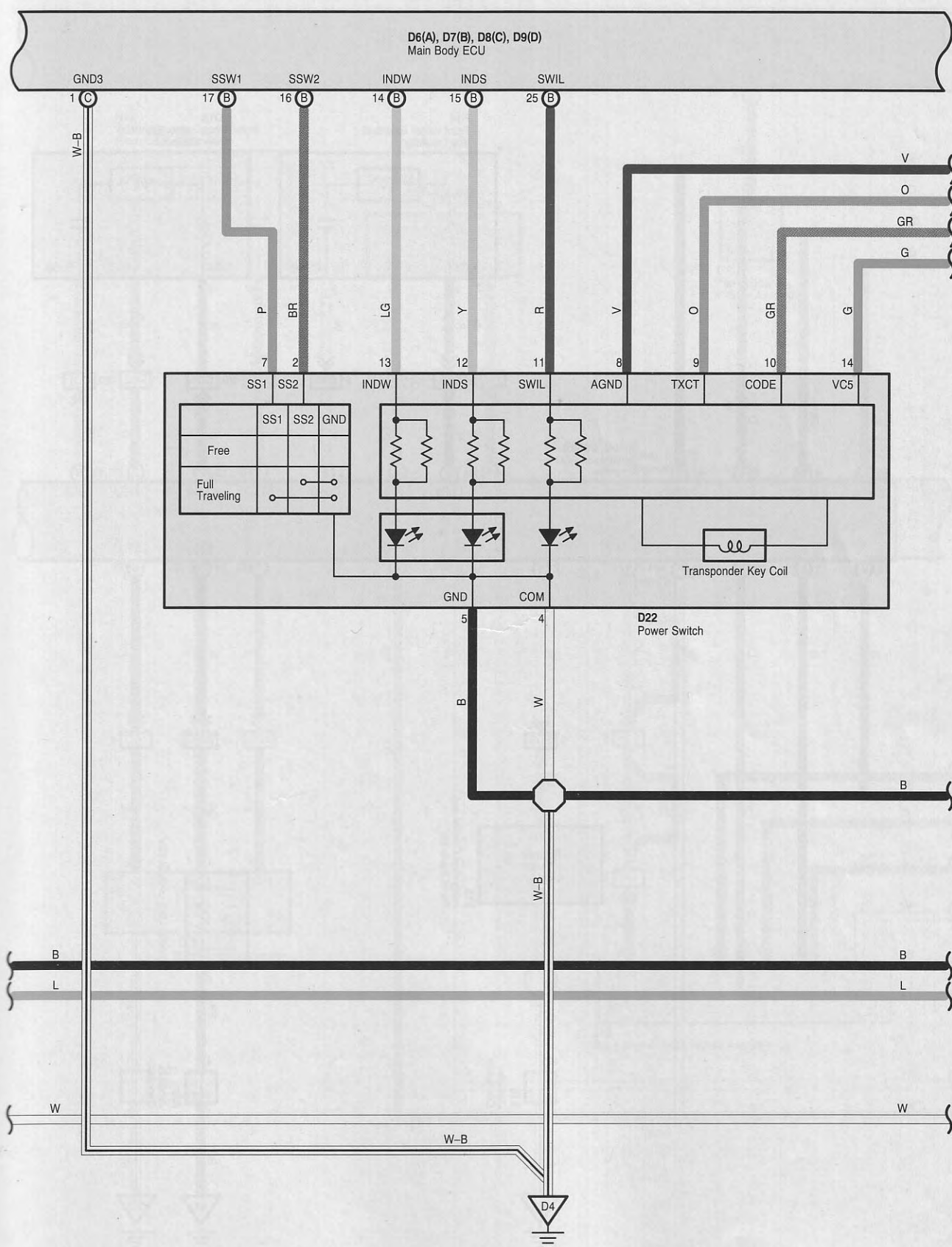


D6(A), D7(B), D8(C), D9(D)  
Main Body ECU

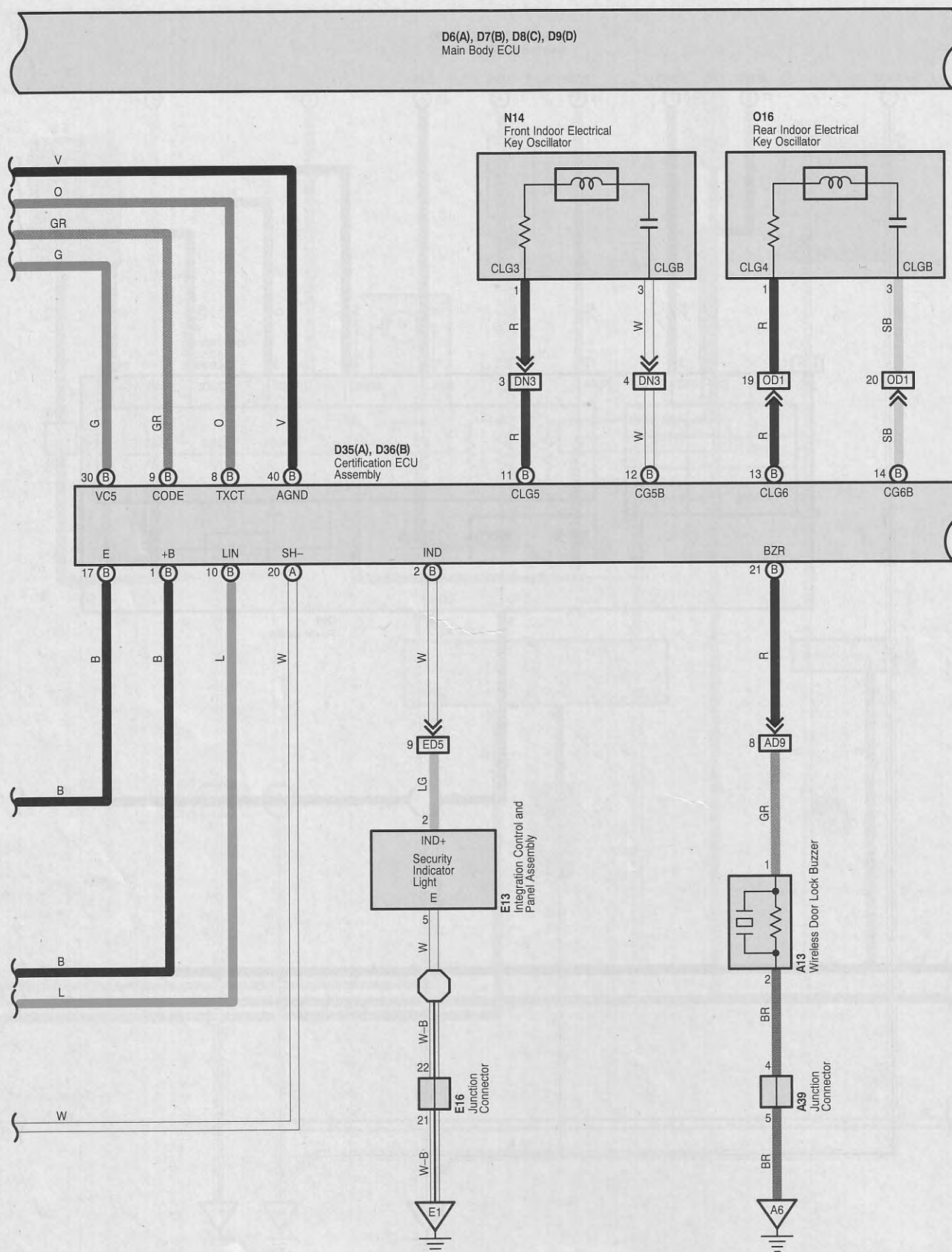


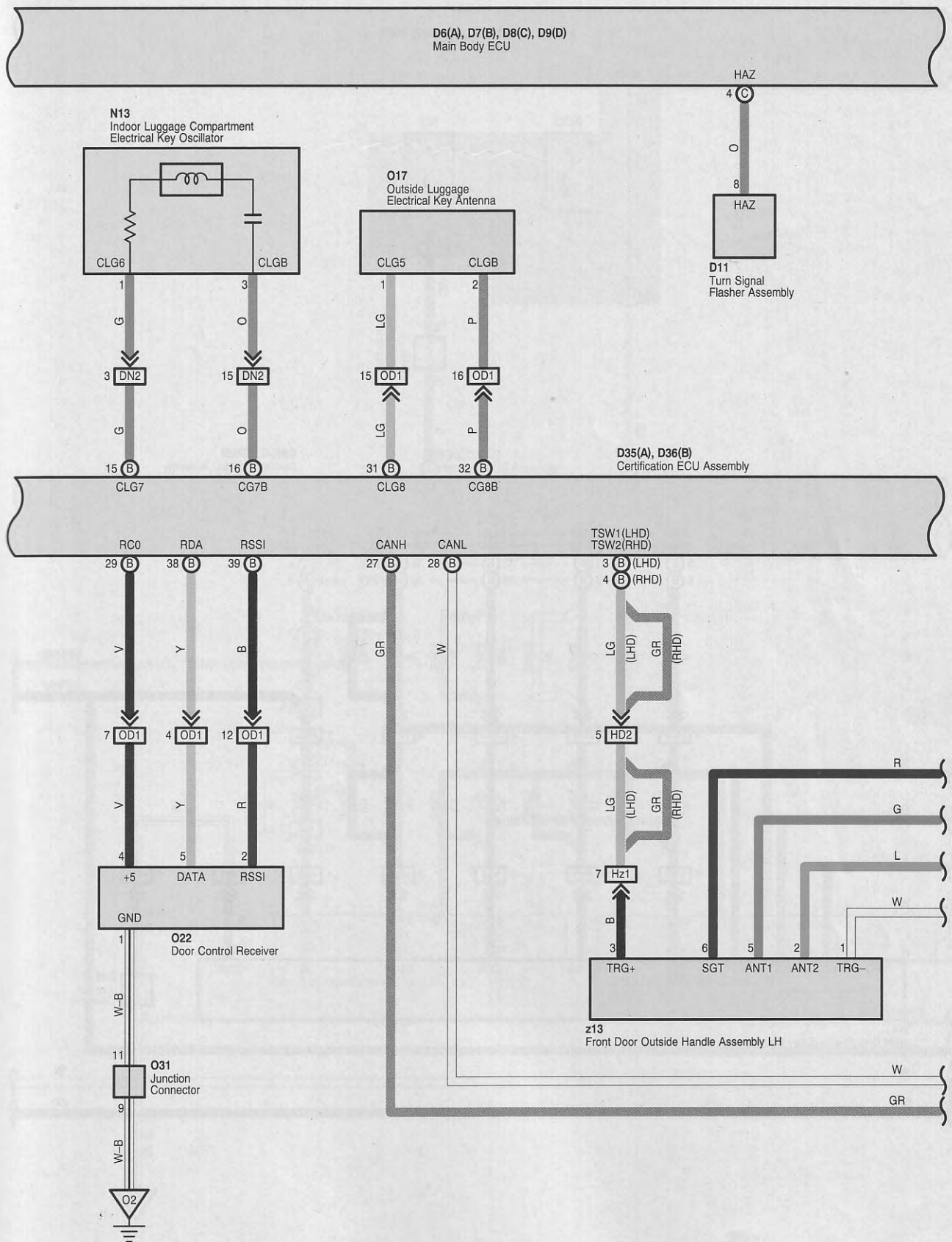
# Smart Entry & Start System



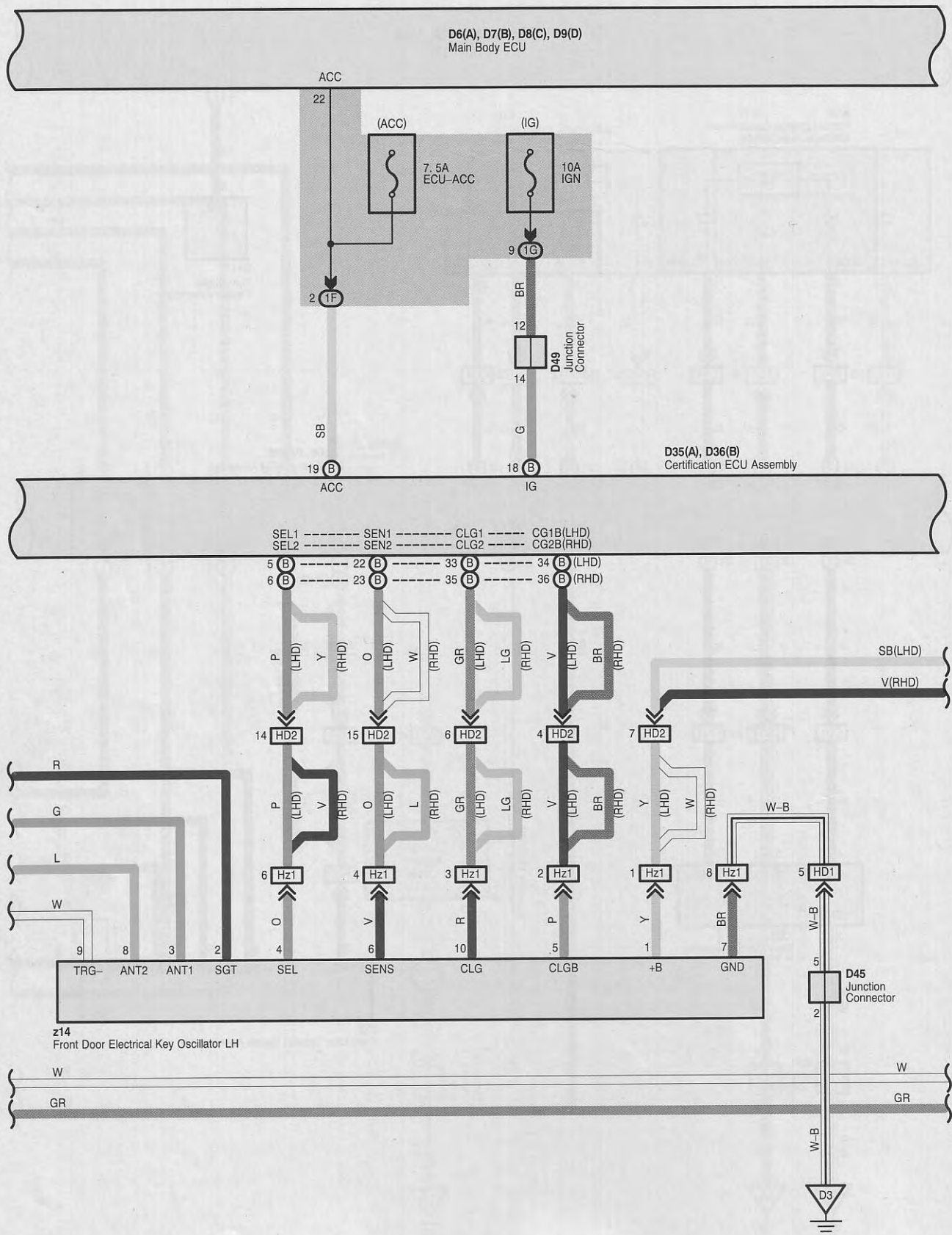


# Smart Entry & Start System



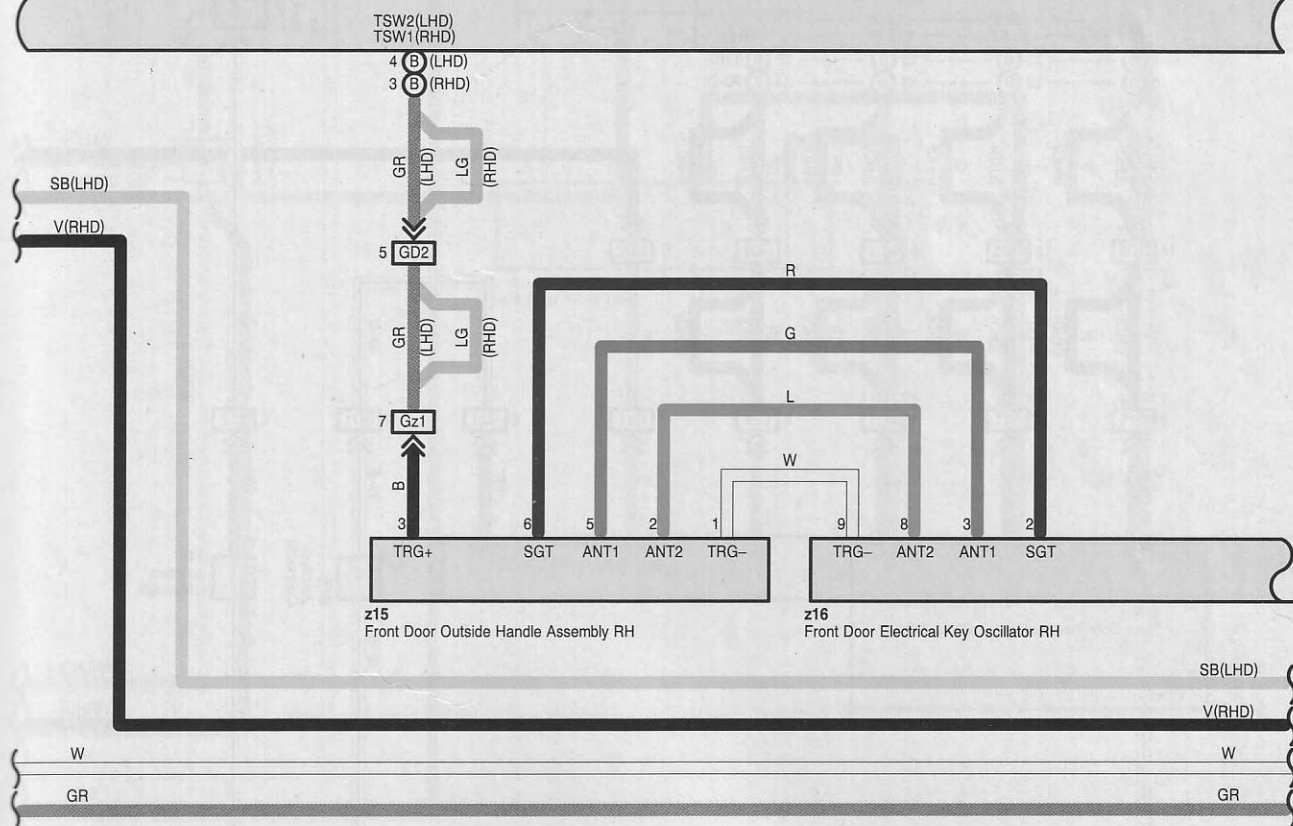


# Smart Entry & Start System

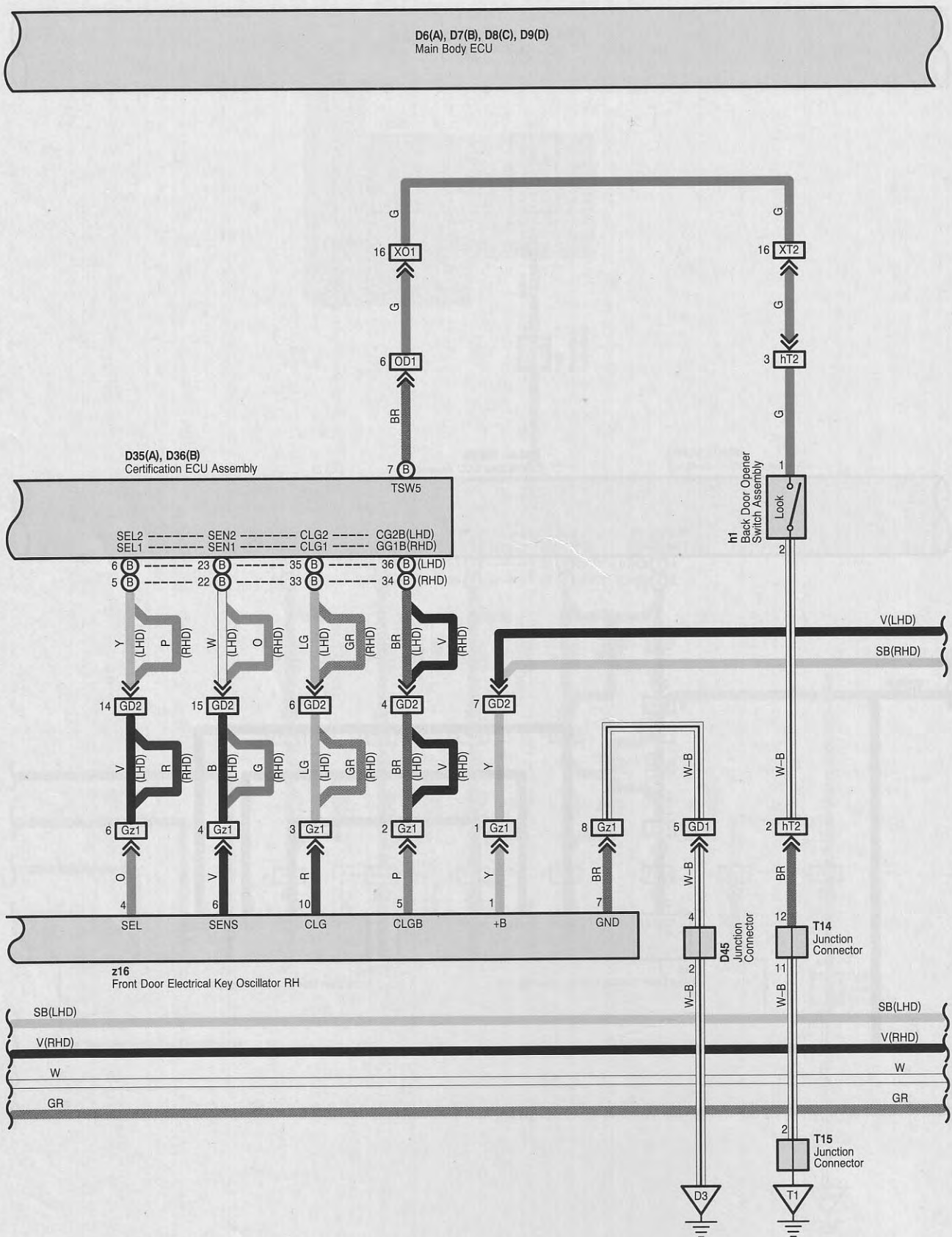


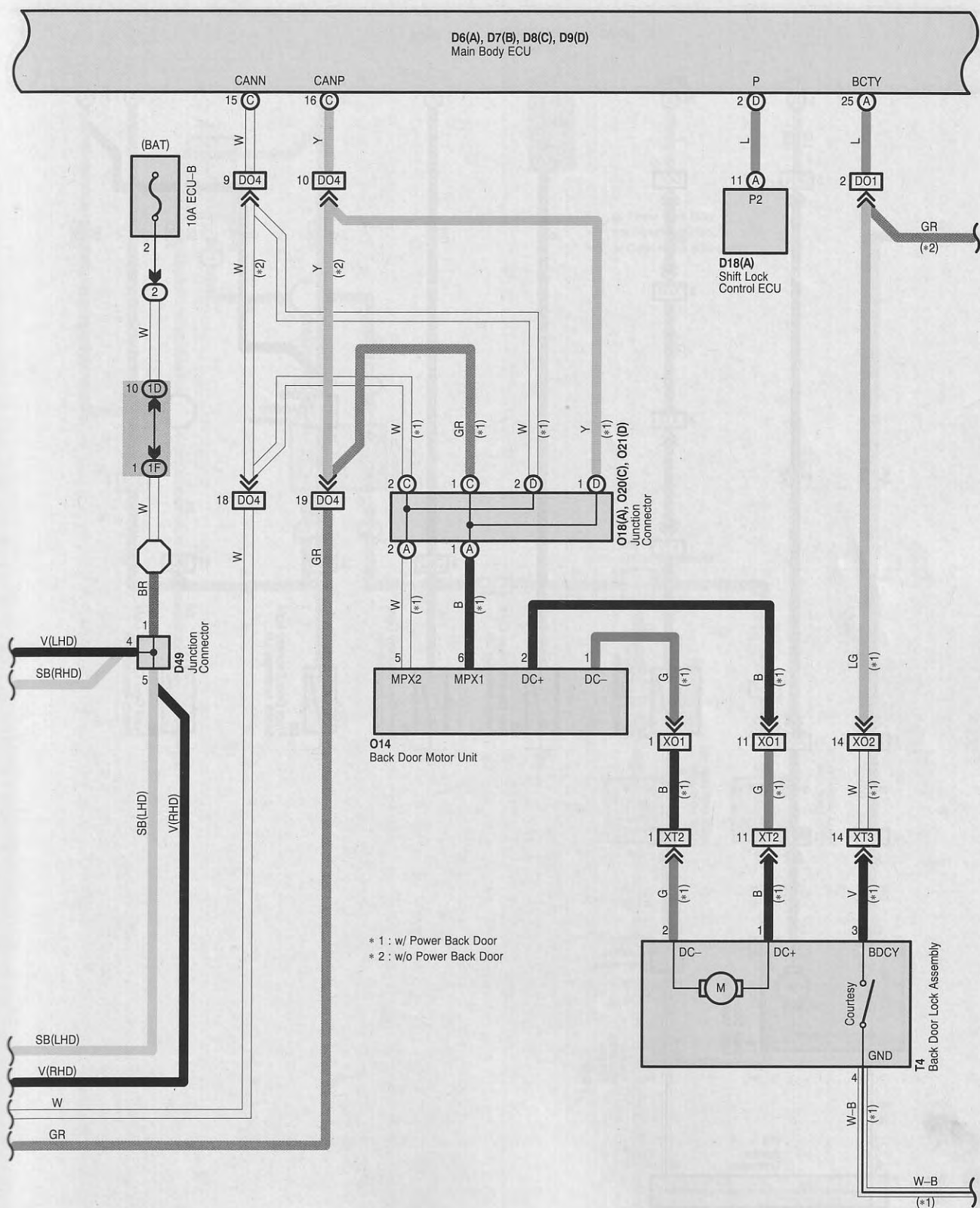
D6(A), D7(B), D8(C), D9(D)  
Main Body ECU

D35(A), D36(B)  
Certification ECU Assembly

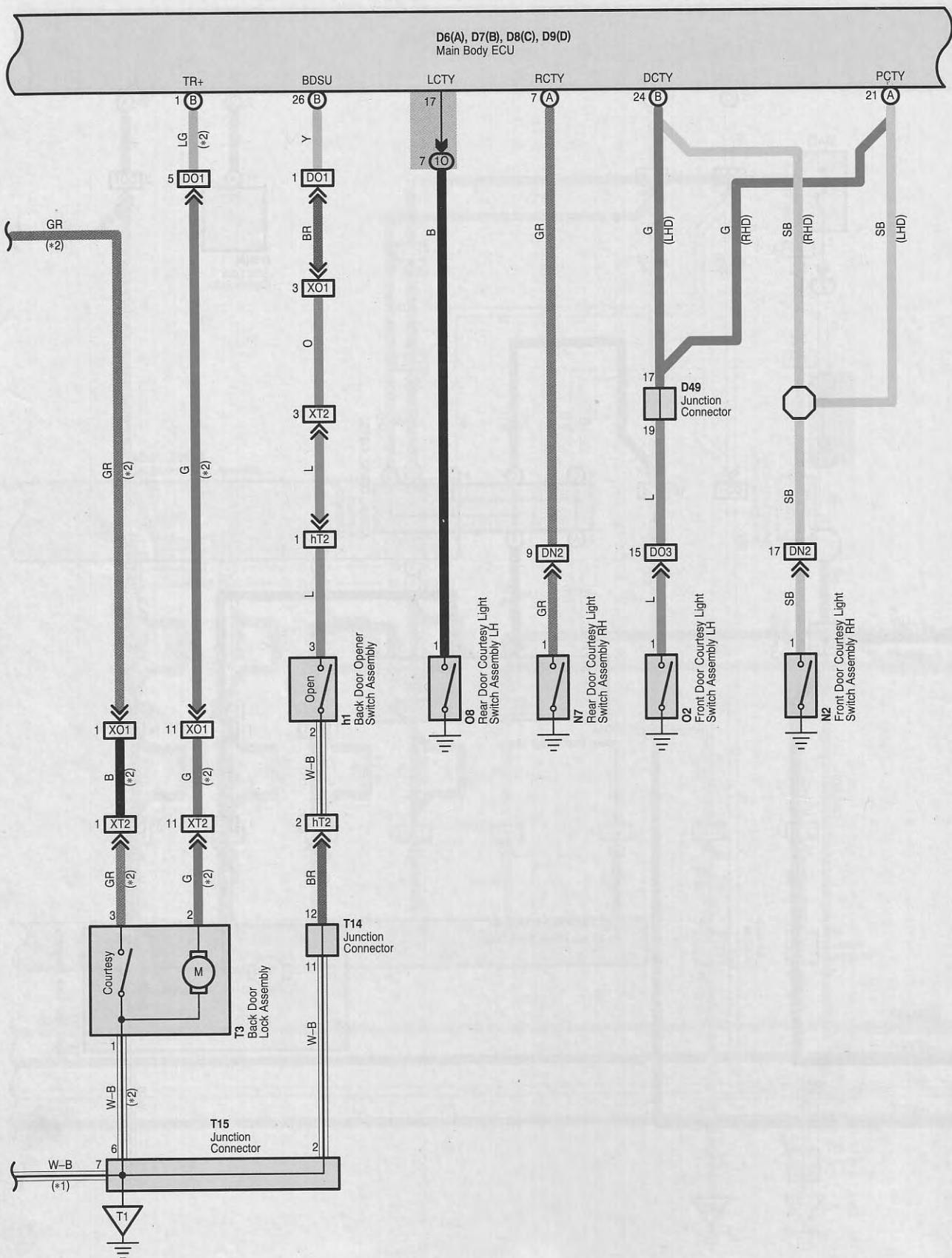


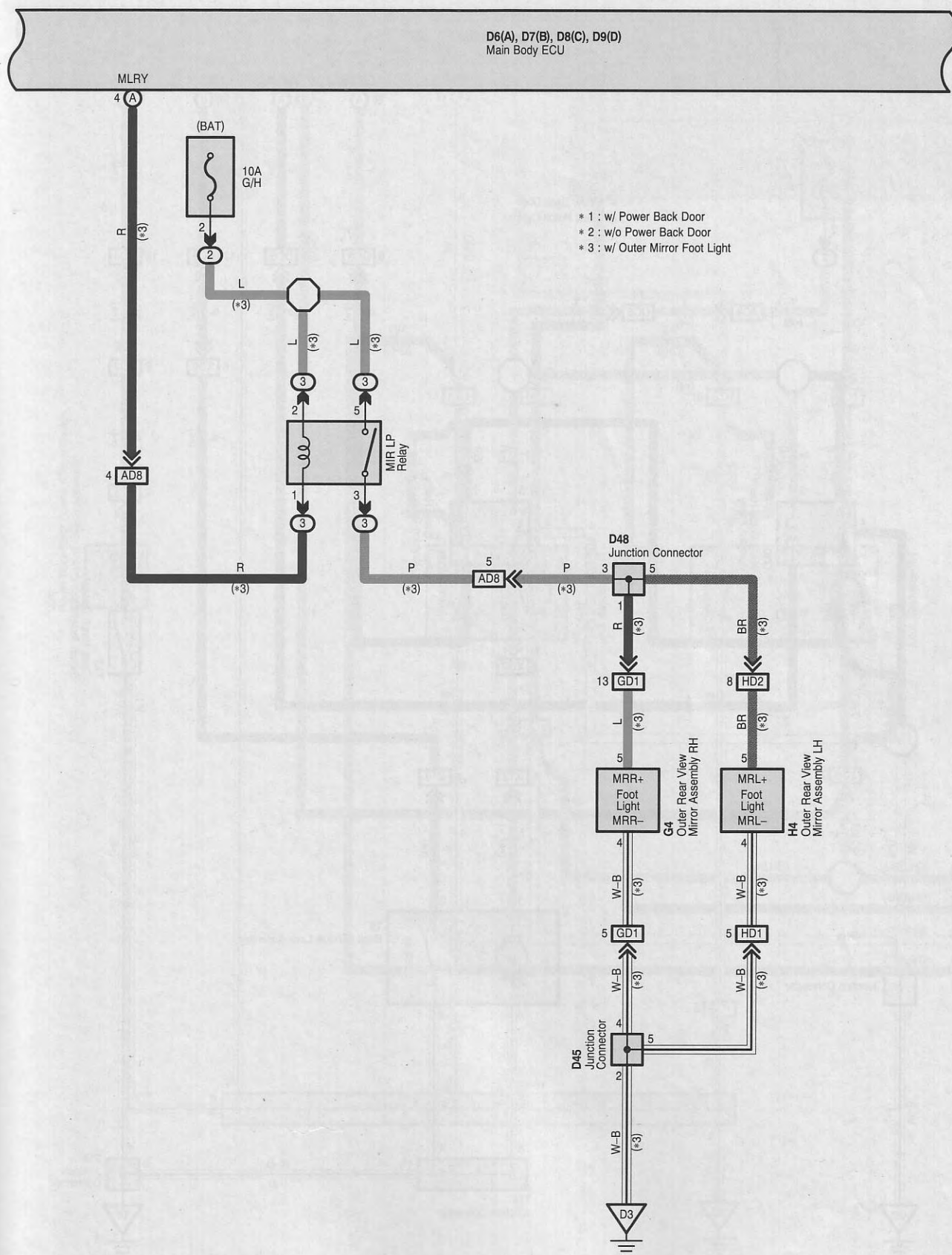
## Smart Entry & Start System

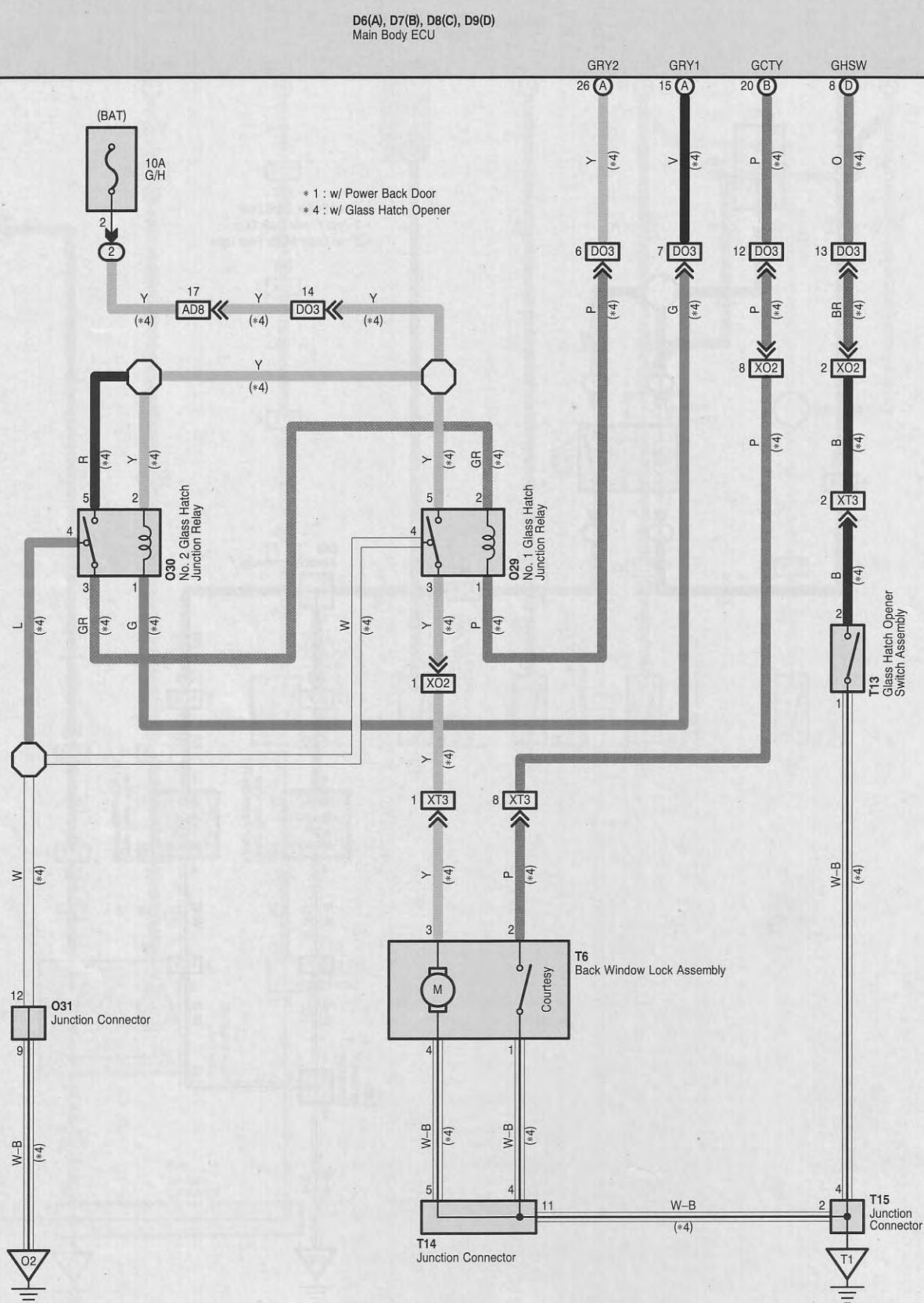




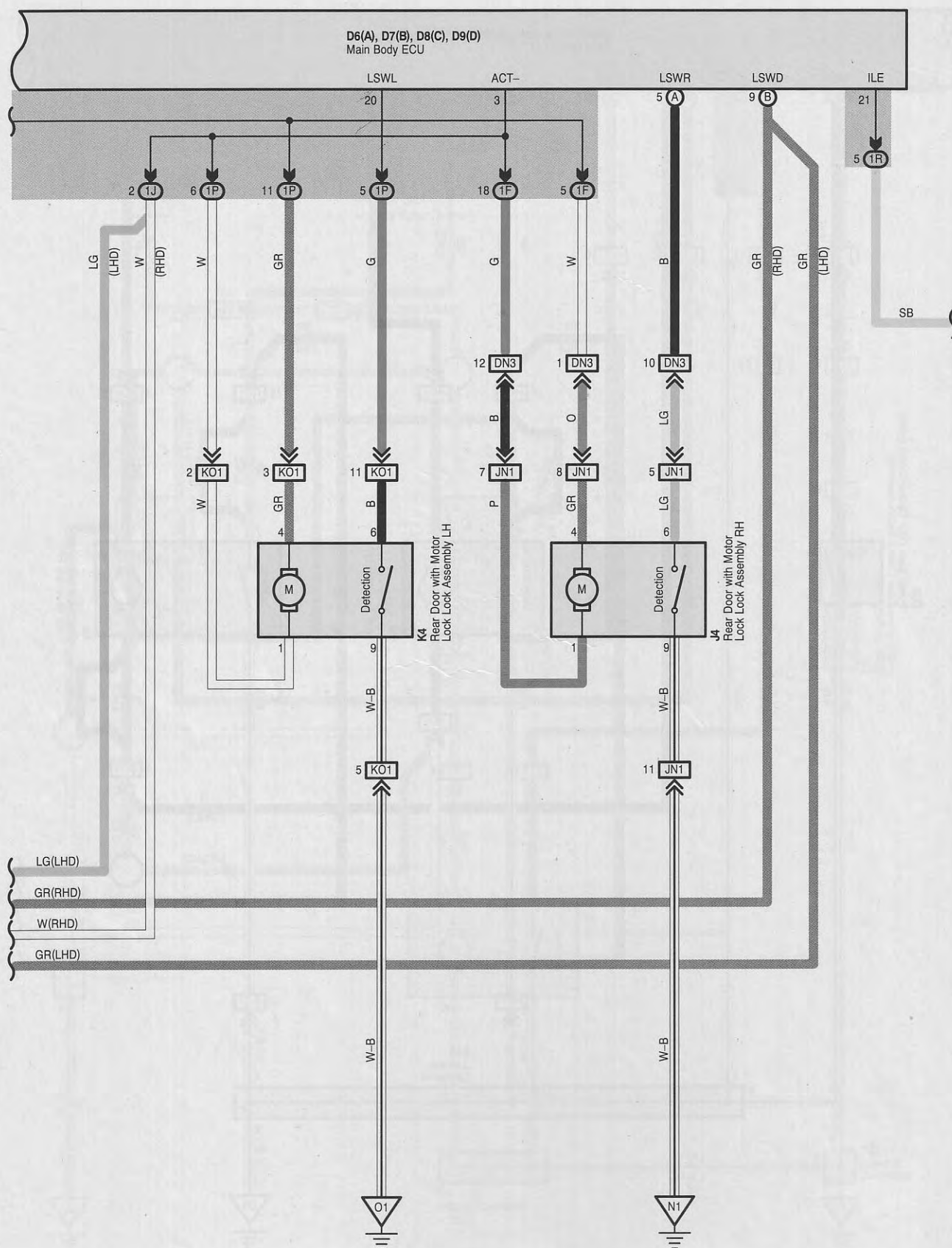
# Smart Entry & Start System













# Smart Entry & Start System

## System Outline

### \* Steering lock

Upon receiving signals from the power switch and the key, the certification ECU assembly sends instructions for locking and unlocking the steering lock to the steering lock actuator assembly (Built into the steering lock) in order to activate the motor. The steering lock actuator assembly detects position of the lock bar and moves it to the specified position.

### ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page     |
|------|----------|------|----------|------|--------------|
| A5   | 40 (LHD) | D32  | E        | O2   | 50 (LHD)     |
|      | 54 (RHD) |      |          |      | 64 (RHD)     |
| A6   | 40 (LHD) | D35  | A        | O8   | 50 (LHD)     |
|      | 54 (RHD) |      |          |      | 64 (RHD)     |
| A13  | 40 (LHD) | D36  | B        | O14  | 50 (LHD)     |
|      | 54 (RHD) |      |          |      | 64 (RHD)     |
| A16  | 40 (LHD) | D38  |          | O16  | 50 (LHD)     |
|      | 54 (RHD) |      |          |      | 64 (RHD)     |
| A20  | 47 (LHD) | D44  | B        | O17  | 50 (LHD)     |
|      | 61 (RHD) |      |          |      | 64 (RHD)     |
| A24  | 41 (LHD) | D45  |          | O18  | 38, 50 (LHD) |
|      | 55 (RHD) |      |          |      | 38, 64 (RHD) |
| A36  | 47 (LHD) | D46  | A        | O20  | 38, 50 (LHD) |
|      | 61 (RHD) |      |          |      | 38, 64 (RHD) |
| A39  | 47 (LHD) | D47  |          | O21  | 38, 50 (LHD) |
|      | 61 (RHD) |      |          |      | 38, 64 (RHD) |
| B2   | 47 (LHD) | D48  |          | O22  | 50 (LHD)     |
|      | 61 (RHD) |      |          |      | 64 (RHD)     |
| B3   | 47 (LHD) | D49  |          | O29  | 50 (LHD)     |
|      | 61 (RHD) |      |          |      | 64 (RHD)     |
| B5   | 42 (LHD) | D50  |          | O30  | 50 (LHD)     |
|      | 56 (RHD) |      |          |      | 64 (RHD)     |
| B12  | 42 (LHD) | D51  |          | O31  | 50 (LHD)     |
|      | 56 (RHD) |      |          |      | 64 (RHD)     |
| B21  | 42 (LHD) | E1   |          | Q1   | 51 (LHD)     |
|      | 56 (RHD) |      |          |      | 65 (RHD)     |
| B45  | 47 (LHD) | E9   |          | Q3   | 51 (LHD)     |
|      | 61 (RHD) |      |          |      | 65 (RHD)     |
| B46  | 47 (LHD) | E13  |          | Q4   | 51 (LHD)     |
|      | 61 (RHD) |      |          |      | 65 (RHD)     |
| C1   | 43 (LHD) | E16  |          | Q9   | 51 (LHD)     |
|      | 57 (RHD) |      |          |      | 65 (RHD)     |
| D6   | 44 (LHD) | E17  | B        | T3   | 51 (LHD)     |
|      | 58 (RHD) |      |          |      | 65 (RHD)     |
| D7   | 44 (LHD) | G4   |          | T4   | 51 (LHD)     |
|      | 58 (RHD) |      |          |      | 65 (RHD)     |
| D8   | 44 (LHD) | G8   |          | T6   | 51 (LHD)     |
|      | 58 (RHD) |      |          |      | 65 (RHD)     |
| D9   | 44 (LHD) | H4   |          | T13  | 51 (LHD)     |
|      | 58 (RHD) |      |          |      | 65 (RHD)     |
| D10  | 44 (LHD) | H6   |          | T14  | 51 (LHD)     |
|      | 58 (RHD) |      |          |      | 65 (RHD)     |
| D11  | 44 (LHD) | J4   |          | T15  | 51 (LHD)     |
|      | 58 (RHD) |      |          |      | 65 (RHD)     |
| D18  | 44 (LHD) | K4   |          | h1   | 51 (LHD)     |
|      | 58 (RHD) |      |          |      | 65 (RHD)     |
| D22  | 44 (LHD) | N2   |          | z13  | 51 (LHD)     |
|      | 58 (RHD) |      |          |      | 65 (RHD)     |
| D28  | 45 (LHD) | N7   |          | z14  | 51 (LHD)     |
|      | 59 (RHD) |      |          |      | 65 (RHD)     |
| D31  | 45 (LHD) | N13  |          | z15  | 51 (LHD)     |
|      | 59 (RHD) |      |          |      | 65 (RHD)     |
| D31  | 45 (LHD) | N14  |          |      | 51 (LHD)     |
|      | 59 (RHD) |      |          |      | 65 (RHD)     |

☐ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| z16  | 51 (LHD) | z16  | 65 (RHD) |      |          |

☐ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)                   |
|------|----------|-------------------------------------------------------|
| 2    | 22       | Engine Room R/B Assembly (Front Fender Apron LH)      |
| 3    | 36       | Engine Room R/B No.2 Assembly (Front Fender Apron RH) |

☐ : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                               |
|------|----------|----------------------------------------------------------------------------------------------------|
| 1A   | 30       | Engine Room Main Wire and Instrument Panel J/B Assembly (Left Instrument Panel Reinforcement)      |
| 1C   |          |                                                                                                    |
| 1D   |          |                                                                                                    |
| 1E   | 30       | Instrument Panel Wire and Instrument Panel J/B Assembly (Left Instrument Panel Reinforcement)      |
| 1F   |          |                                                                                                    |
| 1G   |          |                                                                                                    |
| 1J   | 30       | Instrument Panel Wire and Instrument Panel J/B Assembly (Left Instrument Panel Reinforcement)      |
| 1K   |          |                                                                                                    |
| 1L   |          |                                                                                                    |
| 1M   | 30       | Floor No.2 Wire and Instrument Panel J/B Assembly (Left Instrument Panel Reinforcement)            |
| 1O   |          |                                                                                                    |
| 1P   |          |                                                                                                    |
| 1R   | 30       | Instrument Panel No.2 Wire and Instrument Panel J/B Assembly (Left Instrument Panel Reinforcement) |
| 2A   | 25       | Engine Room Main Wire and Engine Room J/B Assembly (Front Fender Apron LH)                         |
| 2B   |          |                                                                                                    |
| 2D   |          |                                                                                                    |
| 2F   | 22       |                                                                                                    |
| 2G   |          |                                                                                                    |

☐ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| AD3  | 70 (LHD) | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel LH)                  |
|      | 76 (RHD) |                                                                                       |
| AD4  | 70 (LHD) | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH)                  |
|      | 76 (RHD) |                                                                                       |
| AD8  | 70 (LHD) | Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH)                  |
|      | 76 (RHD) |                                                                                       |
| AD9  | 70 (LHD) | Engine Wire and Engine Room Main Wire (Front Fender Apron LH)                         |
|      | 76 (RHD) |                                                                                       |
| BA1  | 68 (LHD) | Engine Wire and Instrument Panel Wire (Behind Glove Box)                              |
|      | 74 (RHD) |                                                                                       |
| BD2  | 70 (LHD) | Instrument Panel Wire and Floor Wire (Cowl Side Panel RH)                             |
|      | 76 (RHD) |                                                                                       |
| DN2  | 70 (LHD) | Instrument Panel Wire and Floor No.2 Wire (Cowl Side Panel LH)                        |
|      | 76 (RHD) |                                                                                       |
| DN3  | 70 (LHD) | Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement) |
|      | 77 (RHD) |                                                                                       |
| DO1  | 70 (LHD) |                                                                                       |
|      | 76 (RHD) |                                                                                       |
| DO3  | 70 (LHD) |                                                                                       |
|      | 76 (RHD) |                                                                                       |
| DO4  | 70 (LHD) |                                                                                       |
|      | 76 (RHD) |                                                                                       |
| ED1  | 71 (LHD) |                                                                                       |
|      | 77 (RHD) |                                                                                       |
| ED3  | 71 (LHD) |                                                                                       |
|      | 77 (RHD) |                                                                                       |
| ED5  | 71 (LHD) |                                                                                       |

## Smart Entry & Start System

 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| ED5  | 77 (RHD) | Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement) |
| GD1  | 71 (LHD) | Front Door RH Wire and Instrument Panel Wire (Cowl Side Panel RH)                     |
|      | 77 (RHD) |                                                                                       |
| GD2  | 71 (LHD) |                                                                                       |
|      | 77 (RHD) |                                                                                       |
| Gz1  | 72 (LHD) | Front Door RH Wire and Electrical Key Wire Harness (Front Door Inner Panel RH)        |
|      | 78 (RHD) |                                                                                       |
| HD1  | 71 (LHD) | Front Door LH Wire and Instrument Panel Wire (Cowl Side Panel LH)                     |
|      | 77 (RHD) |                                                                                       |
| HD2  | 71 (LHD) |                                                                                       |
|      | 77 (RHD) |                                                                                       |
| Hz1  | 72 (LHD) | Front Door LH Wire and Electrical Key Wire Harness (Front Door Inner Panel LH)        |
|      | 78 (RHD) |                                                                                       |
| JN1  | 72 (LHD) | Rear Door No.1 Wire and Floor Wire (Center Body Pillar RH)                            |
|      | 78 (RHD) |                                                                                       |
| KO1  | 72 (LHD) | Rear Door No.2 Wire and Floor No.2 Wire (Center Body Pillar LH)                       |
|      | 78 (RHD) |                                                                                       |
| OD1  | 71 (LHD) | Floor No.2 Wire and Instrument Panel Wire (Instrument Panel Brace LH)                 |
|      | 77 (RHD) |                                                                                       |
| QE1  | 71 (LHD) | Roof Wire and Instrument Panel No.2 Wire (Front Body Inner Pillar LH)                 |
|      | 77 (RHD) |                                                                                       |
| XO1  | 72 (LHD) | Back Door No.3 Wire and Floor No.2 Wire (Roof Panel)                                  |
|      | 78 (RHD) |                                                                                       |
| XO2  | 72 (LHD) |                                                                                       |
|      | 78 (RHD) |                                                                                       |
| XT2  | 72 (LHD) | Back Door No.3 Wire and Back Door No.1 Wire (Back Window Upper Frame)                 |
|      | 78 (RHD) |                                                                                       |
| XT3  | 72 (LHD) |                                                                                       |
|      | 78 (RHD) |                                                                                       |
| hT2  | 72 (LHD) | Back Door Wire and Back Door No.1 Wire (Back Door Panel)                              |
|      | 78 (RHD) |                                                                                       |

 : Ground Points

| Code | See Page | Ground Points Location         |
|------|----------|--------------------------------|
| A6   | 68 (LHD) | Front Fender Apron LH          |
|      | 74 (RHD) |                                |
| B1   | 68 (LHD) | Engine Unit                    |
|      | 74 (RHD) |                                |
| D3   | 70 (LHD) | Instrument Panel Reinforcement |
|      | 76 (RHD) |                                |
| D4   | 70 (LHD) | Cowl Side Panel LH             |
|      | 76 (RHD) |                                |
| E1   | 70 (LHD) | Instrument Panel Reinforcement |
|      | 76 (RHD) |                                |
| N1   | 72 (LHD) | Center Body Pillar RH          |
|      | 78 (RHD) |                                |
| O1   | 72 (LHD) | Center Body Pillar LH          |
|      | 78 (RHD) |                                |
| O2   | 72 (LHD) | Lower Back Panel               |
|      | 78 (RHD) |                                |
| T1   | 72 (LHD) | Back Door Panel                |
|      | 78 (RHD) |                                |

