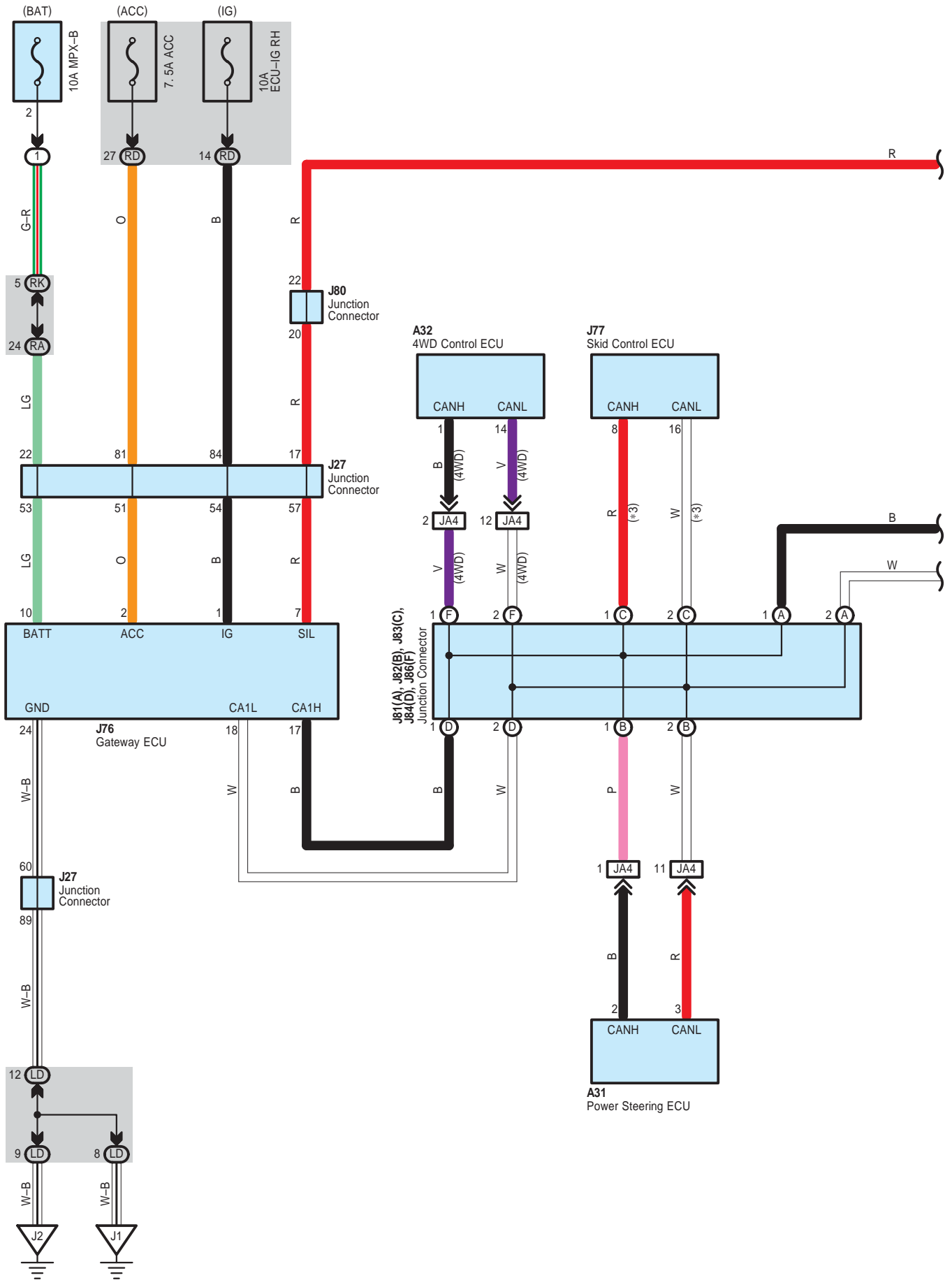
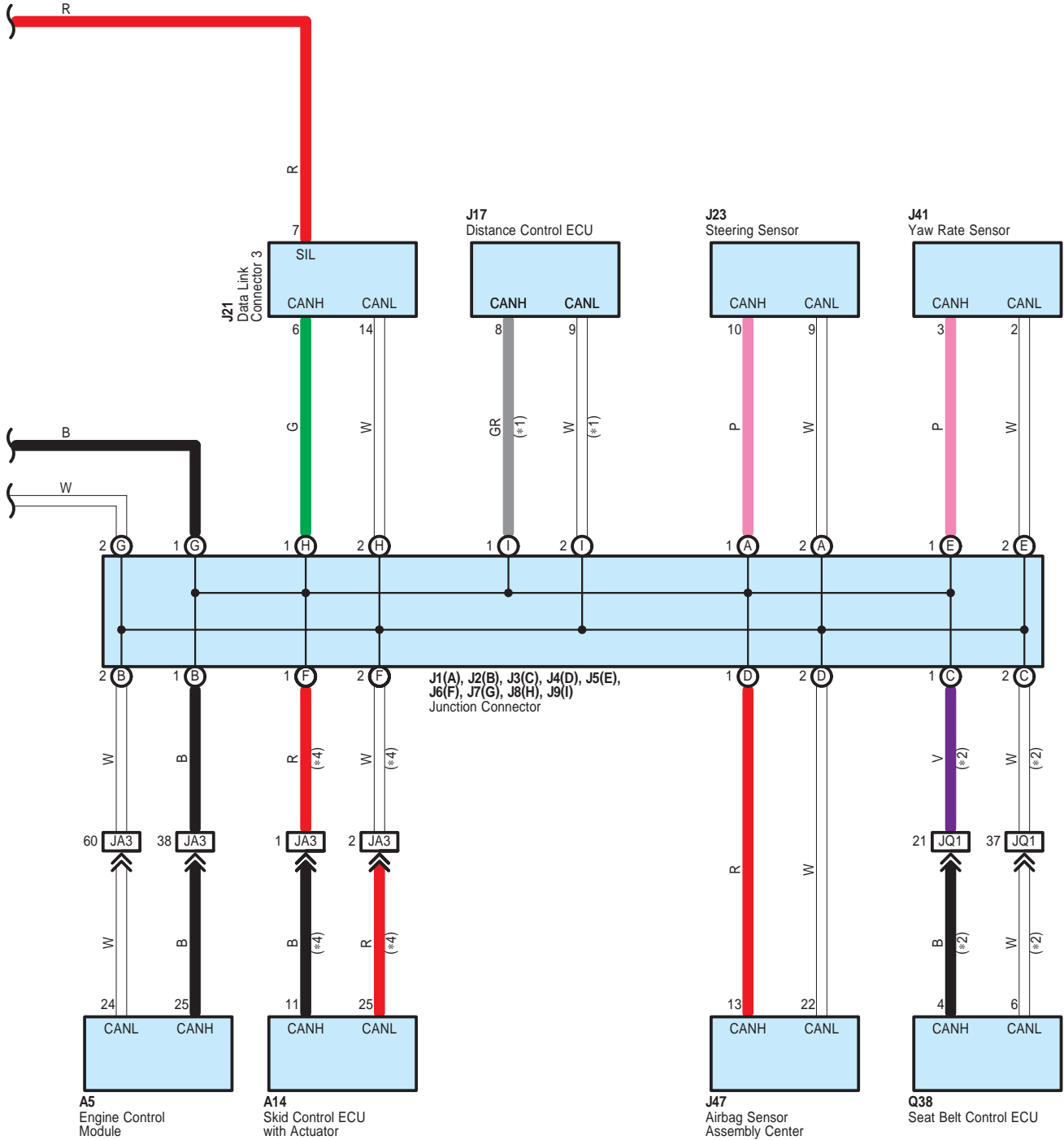


Multiplex Communication System – CAN



- * 1 : w/ Dynamic Radar Cruise Control
- * 2 : w/ Pre-Collision Safety System
- * 3 : w/ Vehicle Dynamics Integrated Management
- * 4 : w/o Vehicle Dynamics Integrated Management



Multiplex Communication System – CAN

System Outline

CAN has two lines as a pair which make communication with operating voltage. CAN has excellent data speed and error detecting capacity. It consists of vehicle control systems such as gateway ECU, data link connector 3, 4WD control ECU, airbag sensor assembly center, distance control ECU, engine control module, power steering ECU, seat belt control ECU, skid control ECU (w/ vehicle dynamics integrated management), skid control ECU with actuator (w/o vehicle dynamics integrated management), steering sensor and yaw rate sensor. Gateway ECU has communication circuit to correspond with different types of communication data. Different types of communication data can be shared among communication parts after it goes through gateway ECU.

○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page | | |
|------|--------------|--------|----------|--------|----------|----|--------|
| A5 | 50 (2GR-FSE) | J5 | E | 46, 58 | J47 | 59 | |
| | 54 (4GR-FSE) | J6 | F | 46, 58 | J76 | 60 | |
| A14 | 54 (4GR-FSE) | J7 | G | 46, 58 | J77 | 60 | |
| A31 | 50 (2GR-FSE) | J8 | H | 46, 58 | J80 | 60 | |
| | 54 (4GR-FSE) | J9 | I | 46, 58 | J81 | A | 48, 60 |
| A32 | 61 | J17 | | 58 | J82 | B | 48, 60 |
| J1 | A | 46, 58 | J21 | 58 | J83 | C | 48, 60 |
| J2 | B | 46, 58 | J23 | 58 | J84 | D | 48, 60 |
| J3 | C | 46, 58 | J27 | 58 | J86 | F | 48, 60 |
| J4 | D | 46, 58 | J41 | 59 | Q38 | | 64 |

○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location) |
|------|----------|---|
| 1 | 22 | Engine Room R/B No.1 (Near the Battery) |

○ : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|------|----------|--|
| LD | 35 | Instrument Panel Wire and Cowl Side J/B LH (Cowl Side Left) |
| RA | 41 | Instrument Panel Wire and Cowl Side J/B RH (Cowl Side Right) |
| RD | | |
| RK | 42 | Engine Room Main Wire and Cowl Side J/B RH (Cowl Side Right) |

□ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|------|----------|--|
| JA3 | 70 | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel) |
| JA4 | 70 | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel) |
| JQ1 | 70 | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel) |

▽ : Ground Points

| Code | See Page | Ground Points Location |
|------|----------|------------------------------|
| J1 | 70 | Left Kick Panel |
| J2 | 70 | Left Side of the Shift Lever |

