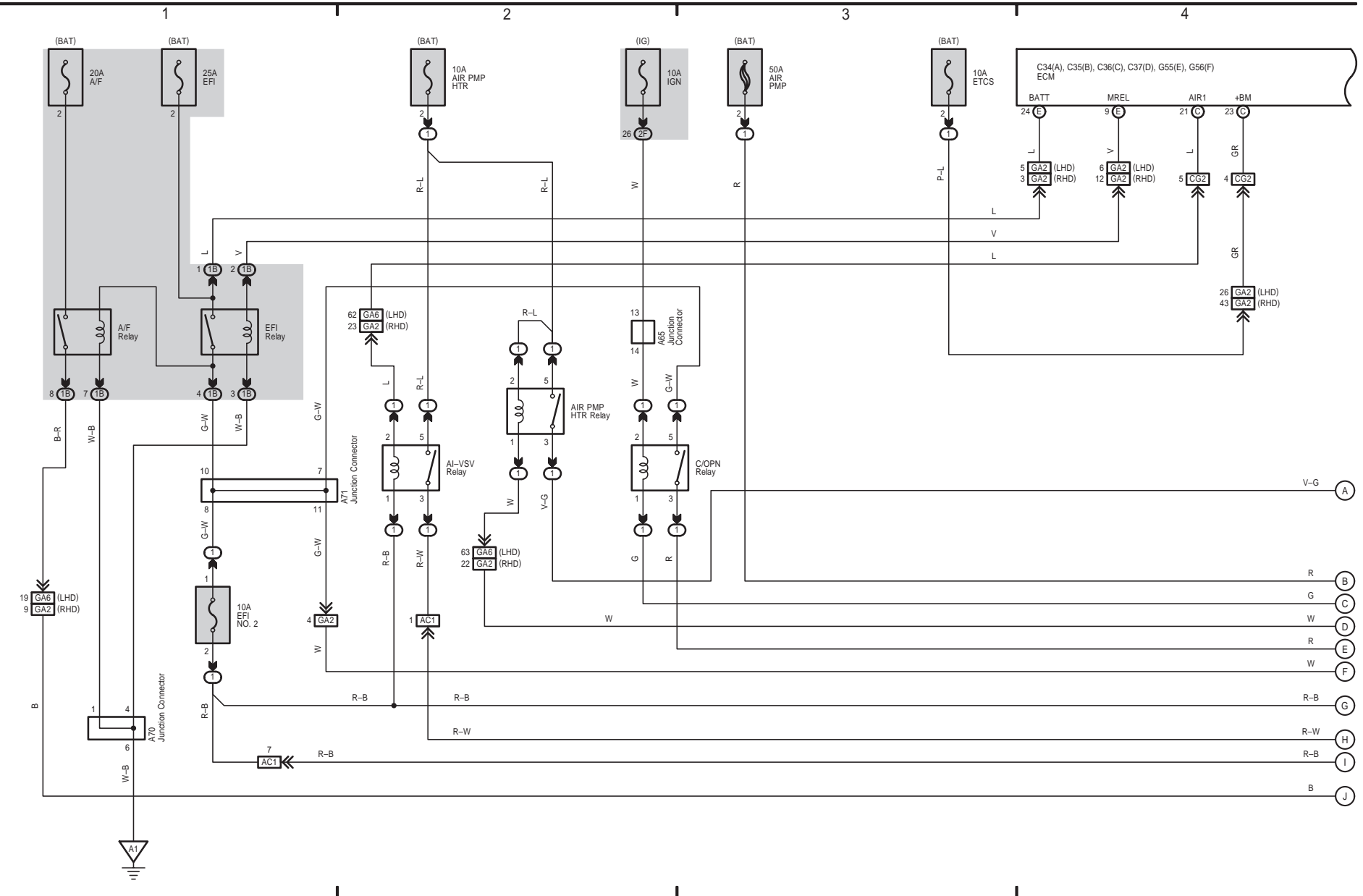
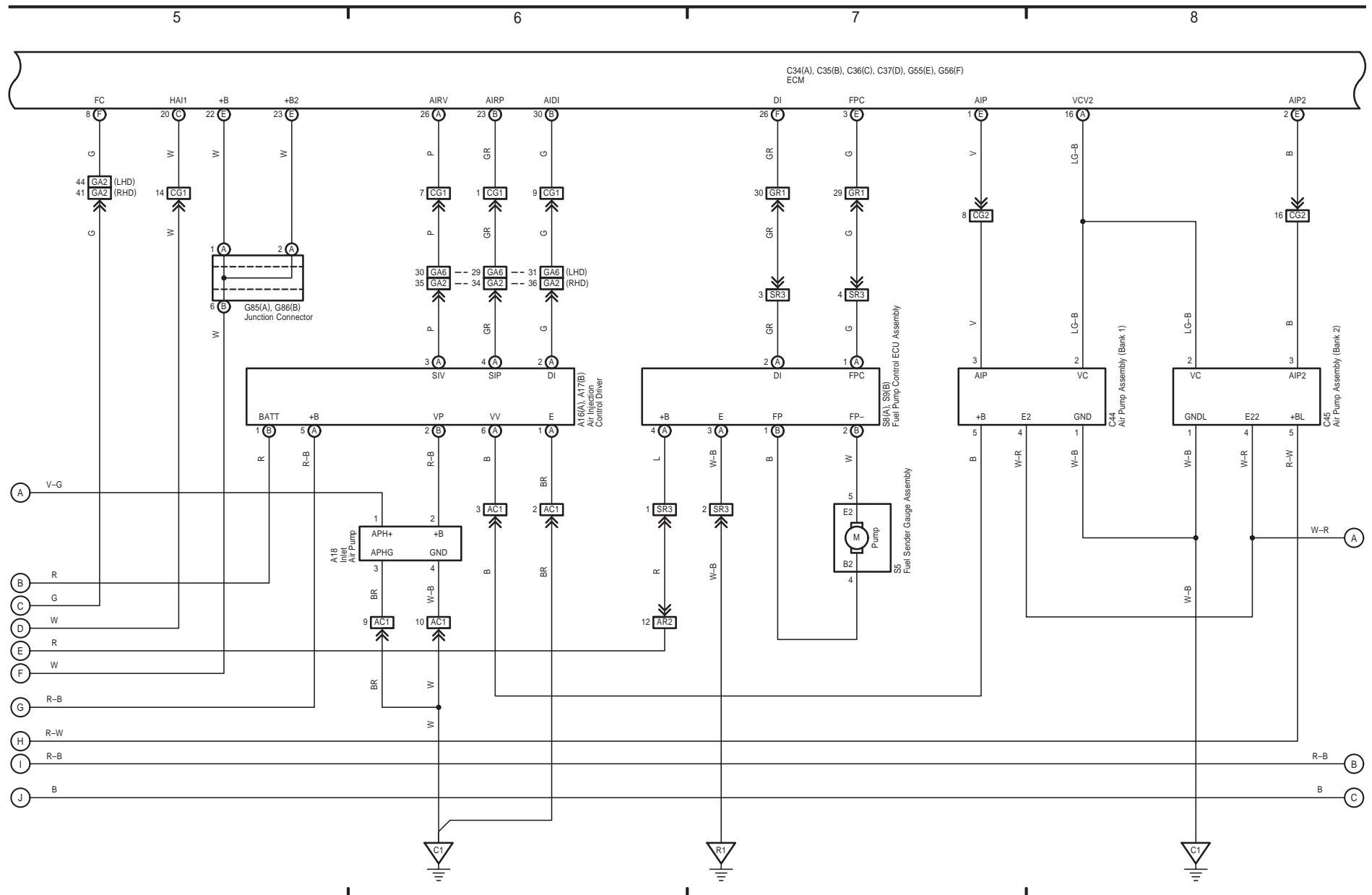


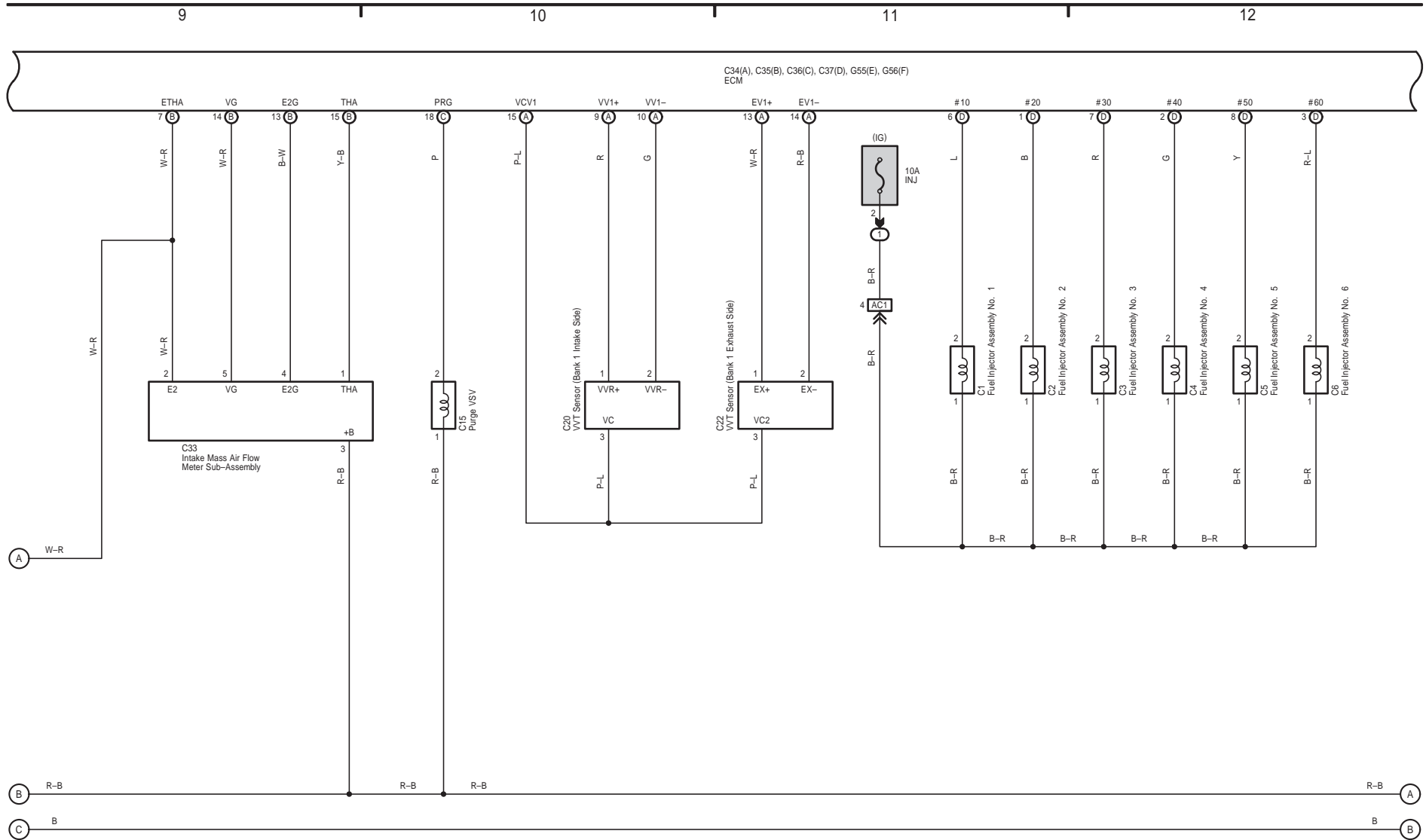
Engine Control, Dynamic Radar Cruise Control / Cruise Control, ECT and A/T Indicator (1GR-FE)

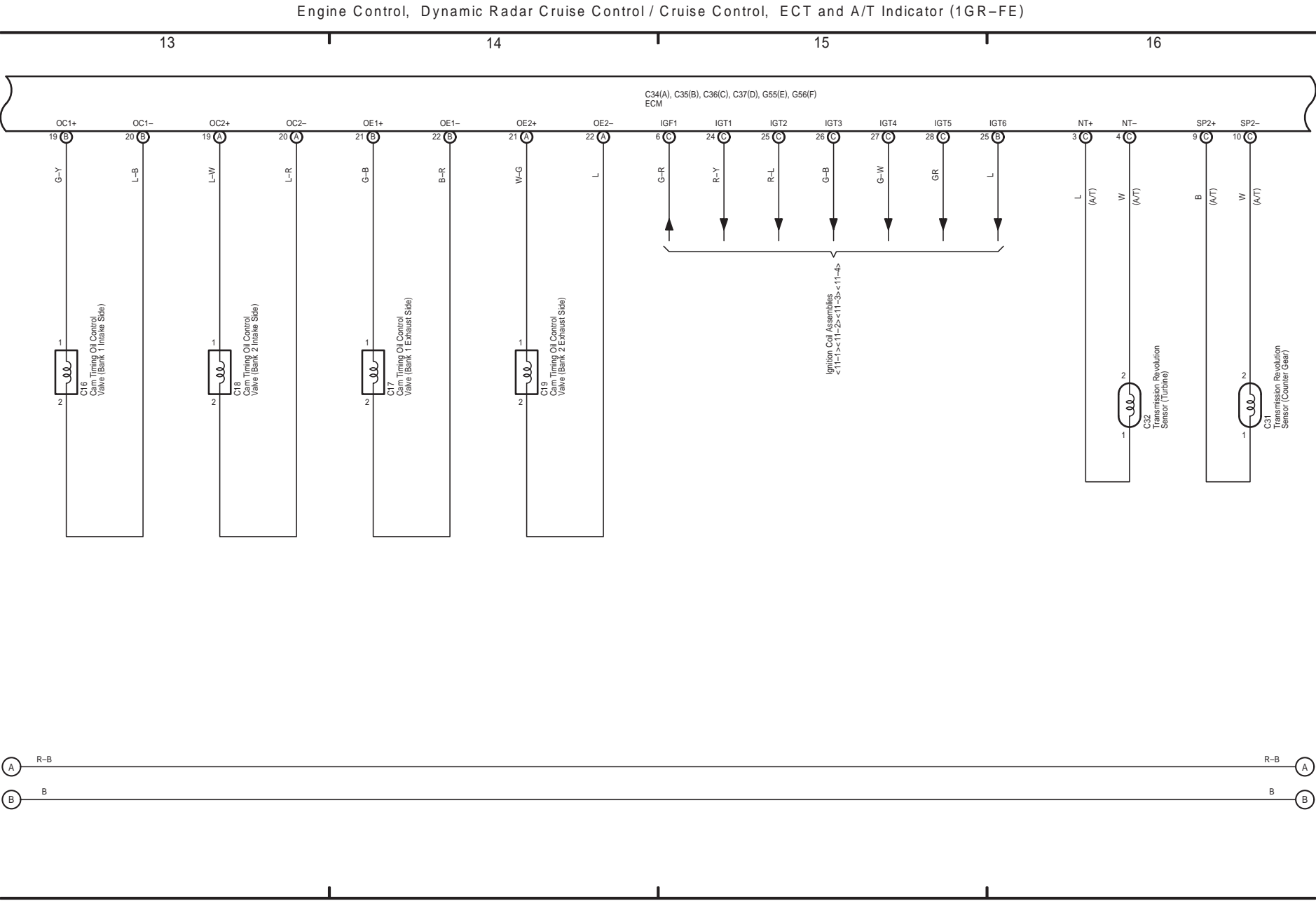


## Engine Control, Dynamic Radar Cruise Control / Cruise Control, ECT and A/T Indicator (1GR-FE)



Engine Control, Dynamic Radar Cruise Control / Cruise Control, ECT and A/T Indicator (1GR-FE)





This wiring diagram illustrates the electrical system for the 2000 Nissan Xterra 2.5L engine, specifically focusing on the Throttle Body Assembly, Acceleration Sensor, and various sensors and actuators. The diagram is organized into three main sections, each corresponding to a different component or sensor.

**Section 1: Throttle Body Assembly (C13)**

The Throttle Body Assembly (C13) is connected to the engine control system via a multi-pin connector. The wiring includes:

- VCTA** (Variable Valve Timing Control Actuator): Connected to pin 13 (L).
- ETA** (Electronic Throttle Actuator): Connected to pin 14 (W).
- VTA1** (Variable Throttle Actuator 1): Connected to pin 15 (LG).
- VTA2** (Variable Throttle Actuator 2): Connected to pin 16 (G-W).
- M+** (Main Power): Connected to pin 20 (P).
- M-** (Main Ground): Connected to pin 29 (L).
- GE01** (Ground): Connected to pin 30 (L).

**Section 2: Acceleration Sensor (A19)**

The Acceleration Sensor (A19) is connected to the engine control system via a multi-pin connector. The wiring includes:

- VPA** (Variable Pressure Actuator): Connected to pin 6 (L).
- VPA2** (Variable Pressure Actuator 2): Connected to pin 5 (GR).
- VCPA** (Variable Control Pressure Actuator): Connected to pin 4 (LG).
- VCP2** (Variable Control Pressure Actuator 2): Connected to pin 2 (R).
- EPA** (Electronic Pressure Actuator): Connected to pin 3 (P).
- EPA2** (Electronic Pressure Actuator 2): Connected to pin 1 (W).

**Section 3: Sensors and Actuators**

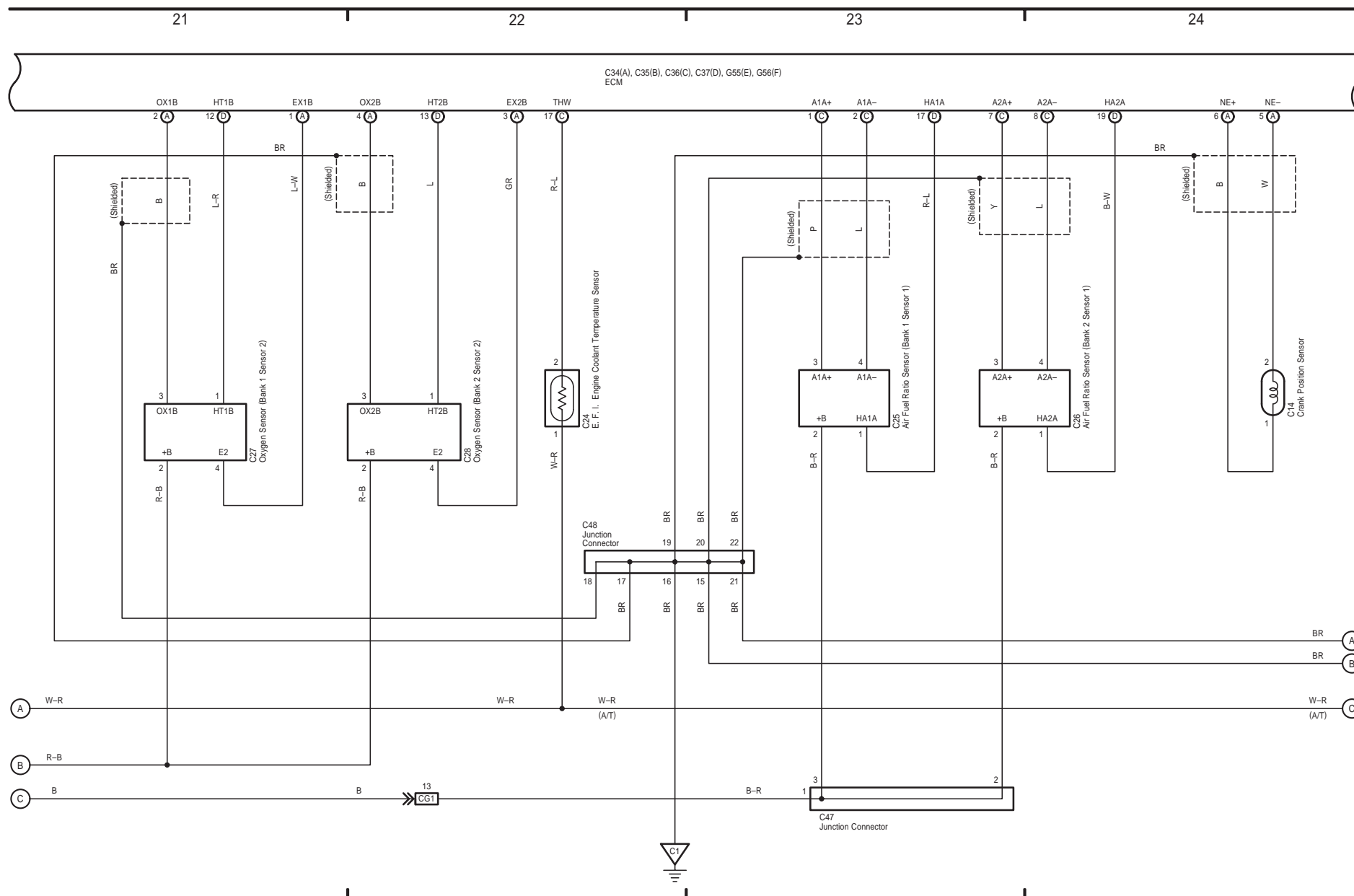
This section shows the wiring for various sensors and actuators, including:

- C21 VVT Sensor (Bank 2 Intake Side)**: Connected to pins 1 (VVL+), 2 (VVL-), and 3 (VC).
- C23 VVT Sensor (Bank 2 Exhaust Side)**: Connected to pins 1 (EX+), 2 (EX-), and 3 (VC2).
- C29 Power Steering Oil Pressure Switch**: Connected to pins 1 (VC), 2 (PSP), and 3 (F2).

The diagram also shows the connection of the engine control system to the vehicle's electrical system, including the battery (B) and the engine control unit (ECM).

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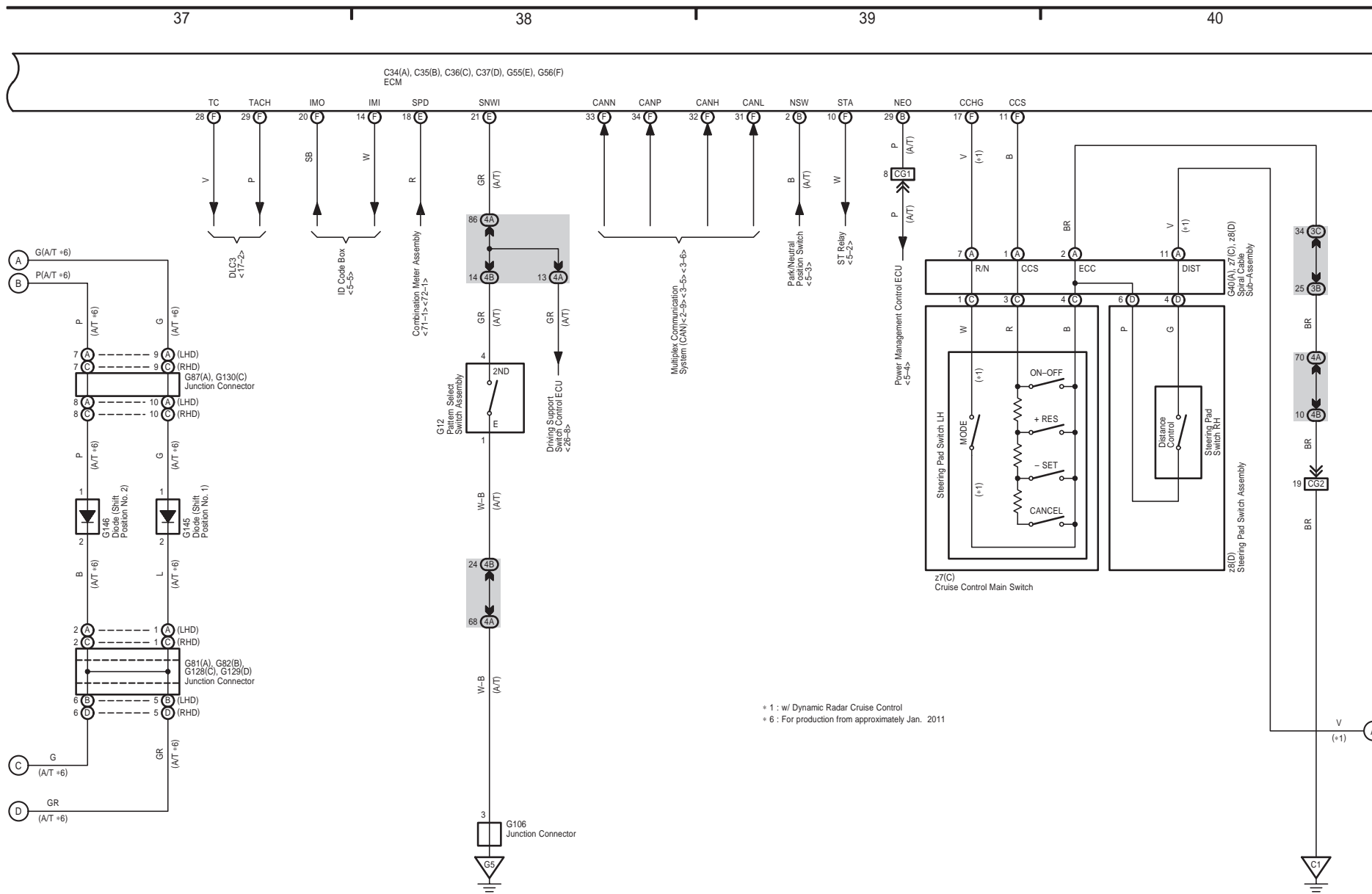




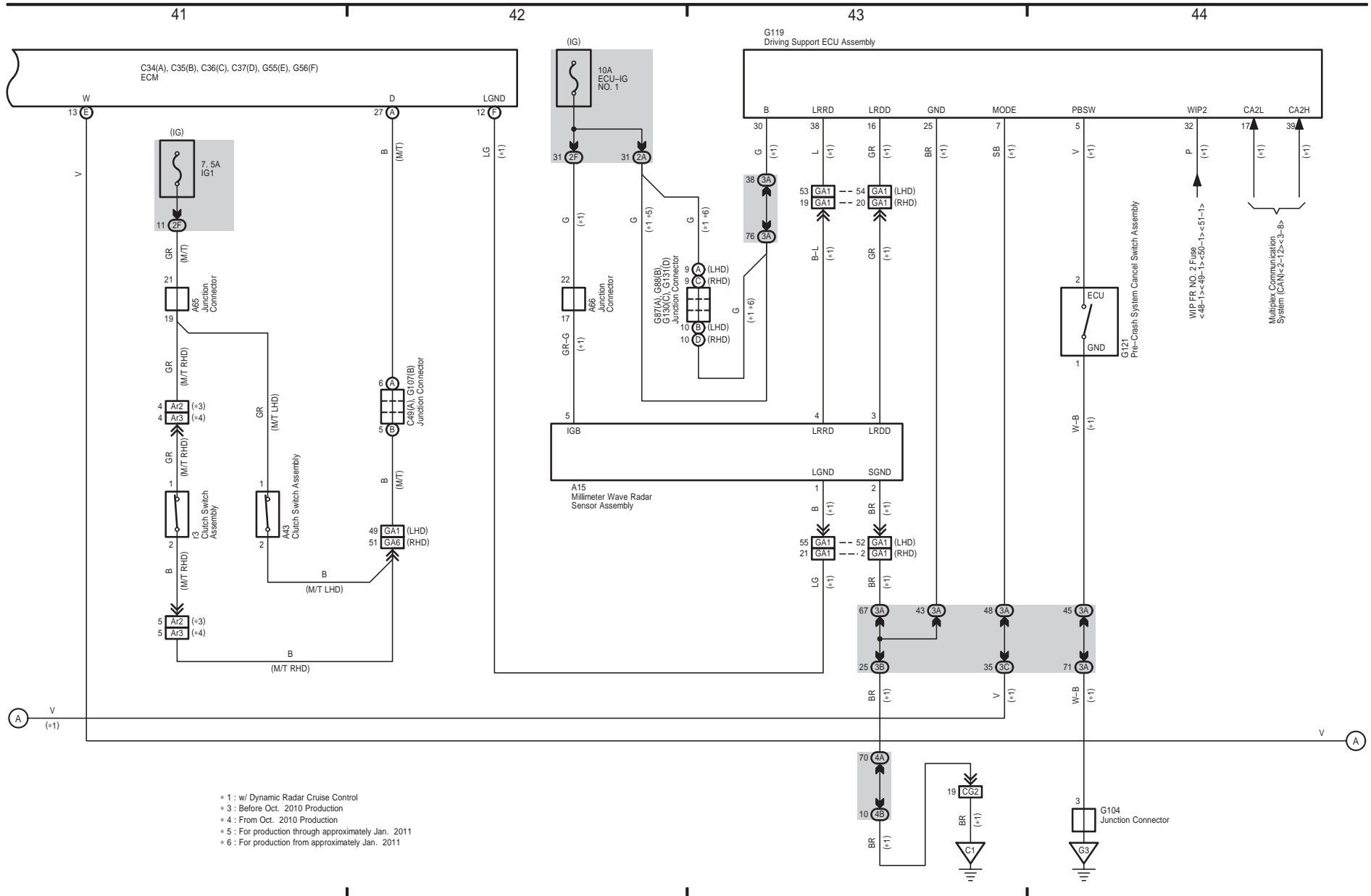
## LAND CRUISER / LAND CRUISER PRADO (EM17X0E)



## Engine Control, Dynamic Radar Cruise Control / Cruise Control, ECT and A/T Indicator (1GR-FE)



Engine Control, Dynamic Radar Cruise Control / Cruise Control, ECT and A/T Indicator (1GR-FE)



13 LAND CRUISER / LAND CRUISER PRADO (Cont' d)

Engine Control, Dynamic Radar Cruise Control / Cruise Control, ECT and A/T Indicator (1GR-FE)

