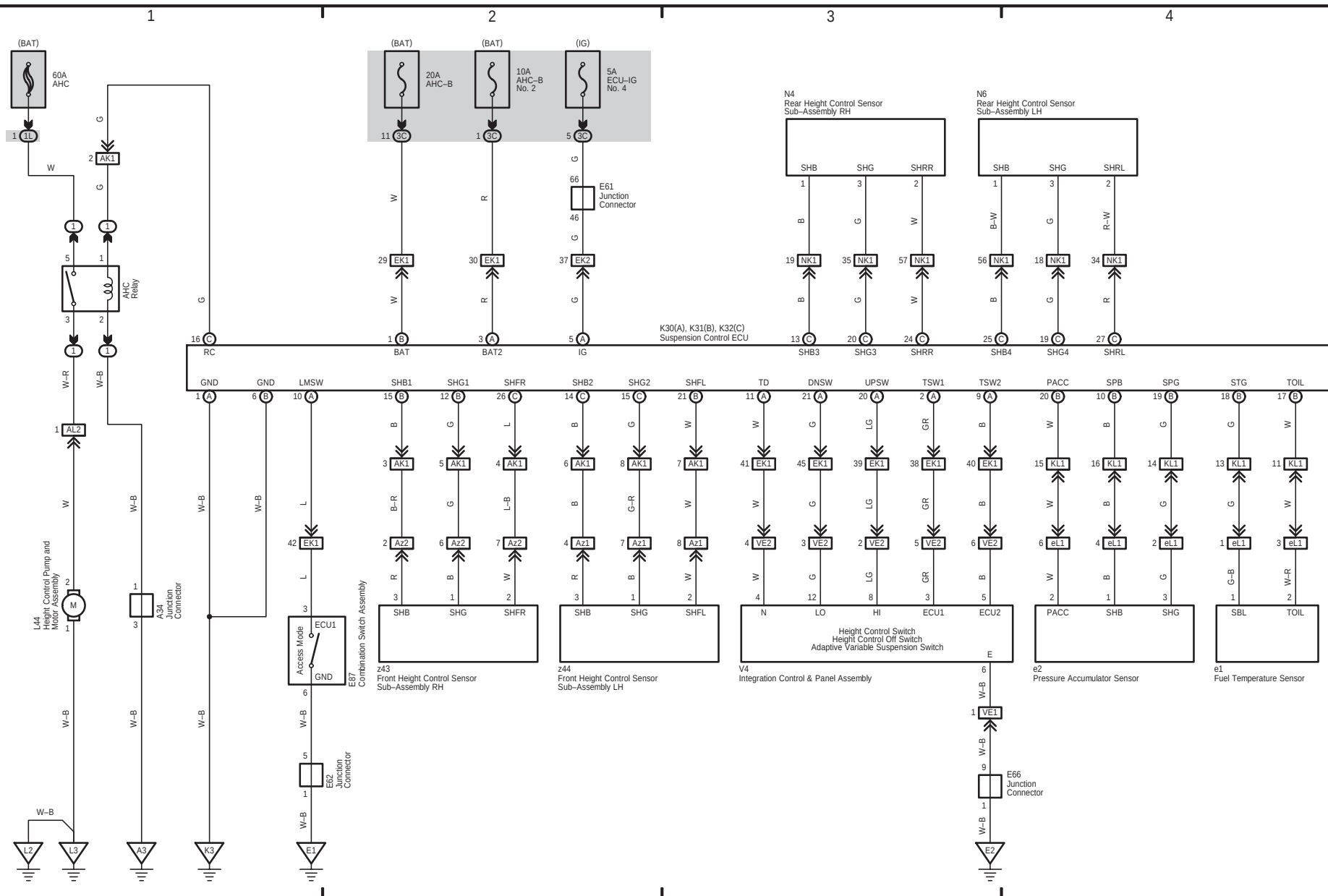


Active Height Control Suspension and Adaptive Variable Suspension



The diagram illustrates the electrical architecture for the suspension control system, centered around the **K30(A), K31(B), K32(C) Suspension Control ECU**. The system is organized into several functional blocks and signal paths:

- ECU Connections:** The ECU has multiple pins for sensor inputs (A, B, C) and actuator outputs (B, C). It is connected to a **K3** battery terminal.
- Sensors:**
 - L43 Acceleration Sensor RH:** Connected via SGFR (W), SGB1 (B), and SGG1 (G) to terminals 24, 15, and 14 (A).
 - K33 Acceleration Sensor LH:** Connected via SGFL (W), SGG2 (G), and SGB2 (B) to terminals 22, 13, and 23 (A).
 - N7 Rear Shock Absorber Assembly LH:** Connected via RAL+ (W), RAL- (R), RBL+ (L), and RBL- (G) to terminals 3, 2, 8, and 7 (B).
 - N8 Front Shock Absorber Assembly RH:** Connected via FAR+ (R), FAR- (L), FBR+ (R), and FBR- (P) to terminals 6, 5, 18, and 17 (C).
 - N10 Front Shock Absorber Assembly LH:** Connected via FAL+ (B), FAL- (L-Y), FBL+ (R), and FBL- (P) to terminals 4, 3, 2, and 12 (C).
 - N5 Rear Shock Absorber Assembly RH:** Connected via RAR+ (W), RAR- (R), RBR+ (L), and RBR- (G) to terminals 5, 14, 13, and 4 (B).
- Actuators and Control Valves:**
 - N11 Front Shock Absorber Control Valve Assembly LH:** Connected via CRFL (B) to terminal 23 (C) and SLB (R) to terminal 1 (C).
 - N9 Front Shock Absorber Control Valve Assembly RH:** Connected via CRFR (G-W) to terminal 11 (C) and SLB (R) to terminal 1 (C).
 - N3 No. 1 Height Control Valve Assembly:** A complex assembly with multiple solenoid valves (SLRL, SLFG, SLRG, SLAC, SLFR, SLFL, SLRR) connected to various terminals (22, 30, 29, 10, 7, 8, 9 C) and actuators (NK1).
- Other Components:**
 - Headlight Swivel ECU Assembly <43-1>:** Connected via SHG5 (P), SHF2 (GR), SHB5 (L), and SHR2 (Y) to terminals 11, 22, 23, and 28 (B).
 - Multiplex Communication System (CAN-2-B):** Connected via CANL (A) and CANH (A) to terminals 8 and 7.

The diagram uses standard automotive symbols for wires, terminals, and components, with color codes (W, B, G, R, L, P, Y) indicating wire colors.

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