

The diagram illustrates the internal wiring of the AC ECU, which controls the vehicle's air conditioning system. It shows the following components and connections:

- Inputs and Sensors:**
  - EMS (473) A10-25, EMS (Ti) A01-54:** Connected to the L/B 0.5 line.
  - EMS (473) A10-55, EMS (Ti) A01-61:** Connected to the L/Y 0.5 line.
  - EMS (473) A10-24, EMS (Ti) A01-19:** Connected to the Y 0.5 line.
  - 电除霜和鼓风机怠速信号补偿 (Defrost and Fan Idle Speed Signal Compensation):** Connected to the B/Y 0.5 line.
  - 空调请求 (AC Request):** Connected to the G47 line.
  - 空调允许 (AC Allow):** Connected to the G47 line.
  - 蒸发器温度传感器 (Evaporator Temperature Sensor):** Connected to the B 0.85 line.
- Internal Components and Actuators:**
  - 除霜继电器 (Defrost Relay):** Controlled by the G37-13 external defrost relay.
  - 空调继电器线圈端电源 (内部连接) (AC Relay Coil Power (Internal Connection)):** Connected to the B1E line.
  - 循环控制电机 (Circulation Control Motor):** Connected to the Lg/R 0.5 and G/W 0.5 lines.
  - 空调压力开关 (断开 ≤0.196Mpa ≥3.14Mpa) (AC Pressure Switch (Open ≤0.196Mpa ≥3.14Mpa)):** Connected to the B03 line.
  - 压缩机 (Compressor):** Connected to the F1/12 7.5A line.
  - 压缩机离合器 (Compressor Clutch):** Controlled by the A47 line.
  - 出风模式风门控制电机 (Outlet Mode Air Door Control Motor):** Connected to the B 0.5 line.
  - 冷暖风门伺服电机 (Cold/Hot Air Door Servo Motor):** Connected to the B 0.5 line.
- Wiring and Connections:**
  - Wires:** Various colored wires (e.g., L/B, L/Y, Y, B/Y, G47, B, B03, B05, B06, B07, B08, B09, B10, B11, B12, B13, B14, B15, B16, B17, B18, B19, B20, B21, B22, B23, B24, B25, B26, B27, B28, B29, B30, B31, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B42, B43, B44, B45, B46, B47, B48, B49, B50, B51, B52, B53, B54, B55, B56, B57, B58, B59, B60, B61, B62, B63, B64, B65, B66, B67, B68, B69, B70, B71, B72, B73, B74, B75, B76, B77, B78, B79, B80, B81, B82, B83, B84, B85, B86, B87, B88, B89, B90, B91, B92, B93, B94, B95, B96, B97, B98, B99, B100) are used for connections.
  - Relays and Switches:** Various relays (e.g., G21, G22, G23, G24, G25, G26, G27, G28, G29, G30, G31, G32, G33, G34, G35, G36, G37, G38, G39, G40, G41, G42, G43, G44, G45, G46, G47, G48, G49, G50, G51, G52, G53, G54, G55, G56, G57, G58, G59, G60, G61, G62, G63, G64, G65, G66, G67, G68, G69, G70, G71, G72, G73, G74, G75, G76, G77, G78, G79, G80, G81, G82, G83, G84, G85, G86, G87, G88, G89, G90, G91, G92, G93, G94, G95, G96, G97, G98, G99, G100) and switches (e.g., B1E, B1F, B1G, B1H, B1I, B1J, B1K, B1L, B1M, B1N, B1O, B1P, B1Q, B1R, B1S, B1T, B1U, B1V, B1W, B1X, B1Y, B1Z, B20, B21, B22, B23, B24, B25, B26, B27, B28, B29, B30, B31, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B42, B43, B44, B45, B46, B47, B48, B49, B50, B51, B52, B53, B54, B55, B56, B57, B58, B59, B60, B61, B62, B63, B64, B65, B66, B67, B68, B69, B70, B71, B72, B73, B74, B75, B76, B77, B78, B79, B80, B81, B82, B83, B84, B85, B86, B87, B88, B89, B90, B91, B92, B93, B94, B95, B96, B97, B98, B99, B100) are used for control.

6.2、空调系统（含压缩机、后除霜、散热风扇控制）（2）

