

Figure 1: LIN network diagram showing the connection between various control modules and sensors. The diagram is organized into columns representing different functional areas: Switch-Bank, Mirror-Inside Rearview, Module-Compass, Module-Body Control, Switch-Speed Control, and Switch-Steering Wheel-Left. Each column contains a LIN bus (CBC 1 or CBC 2) and a list of connected components with their IDs and descriptions. Connections are shown as solid lines, with some components having multiple connections. A dashed line connects the LIN BUS CBC 1 of the Switch-Bank to the LIN BUS CBC 2 of the Mirror-Inside Rearview. A solid line connects the LIN BUS CBC 2 of the Mirror-Inside Rearview to the LIN BUS CBC 3 of the Module-Compass. A solid line connects the LIN BUS CBC 3 of the Module-Compass to the LIN BUS CBC 1 of the Module-Body Control. A solid line connects the LIN BUS CBC 1 of the Module-Body Control to the LIN BUS CBC 1 of the Switch-Speed Control. A solid line connects the LIN BUS CBC 1 of the Switch-Speed Control to the LIN BUS CBC 1 of the Switch-Steering Wheel-Left.

The diagram illustrates the CAN bus network architecture, divided into three main sections: 2.0L, 2.2L, and 2.0L. Each section contains LIN buses connected to various modules.

2.0L (Left):

- LIN BUS 2:** PUMP, BATTERY COOLING. Connected to D421 0.35 WH/OG.
- LIN BUS 12:** MODULE, BATTERY PACK CONTROL. Connected to XY290A.
- LIN BUS 13:** XY231A, XY231B. Connected to D421 0.35 WH/OG.

2.2L (Middle):

- LIN BUS 83 (C1):** MODULE, POWERTRAIN CONTROL. Connected to D509 0.35 WH/OG.
- LIN BUS 4 (C2):** SENSOR, MASS AIR FLOW. Connected to D509 0.35 WH/OG.
- LIN BUS 11:** XY231A. Connected to D509 0.35 WH/OG.

2.0L (Right):

- LIN BUS 1 (C2):** GENERATOR. Connected to D511 0.35 WH/BG.
- LIN BUS 2:** PUMP, AUXILIARY COOLANT. Connected to D511 0.35 WH/BG.
- LIN BUS 14 (C1):** MODULE, POWERTRAIN CONTROL. Connected to D511 0.50 WH/BG.

Connections between sections are shown as lines with labels: S16999, S17230, and XY013A.