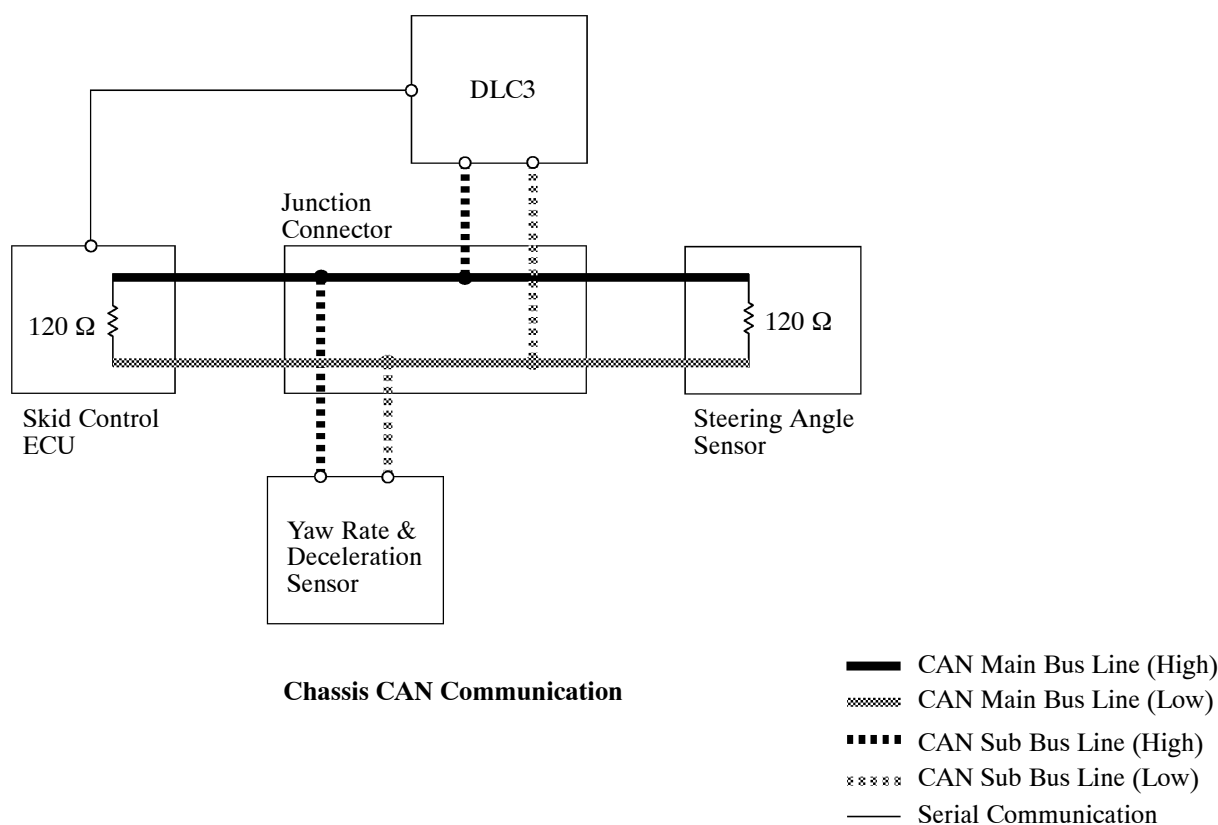


## 4. CAN (Controller Area Network)

- The CAN comprises the main bus line and the sub bus line connecting each ECU and sensors. The main bus line has two resistors at the both ends to provide stability for the circuit.
- The chassis CAN for VSC (Vehicle Stability Control) is connected to the skid control ECU, steering angle sensor, and yaw rate & deceleration sensor.
- CAN uses a twisted-pair wire as the communication line, so the bus line has a + (high) line and a - (low) line.
- Pairing the CAN-H wire harness and CAN-L wire harness, the CAN performs the communication based on the voltage difference.
- A DTC for a CAN communication error is output to the intelligent tester II from DLC3 via the serial communication line for diagnosis of skid control ECU.



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## 5. Diagnosis

- If a malfunction occurs in chassis CAN communication line, the skid control ECU stores DTC (U0121) in its memory. The DTC can be read by connecting an intelligent tester II to DLC3.
- When there is a chassis CAN communication failure between the skid control ECU and the steering angle sensor or the yaw rate & deceleration sensor, the skid control ECU stops the control of the VSC (Vehicle Stability Control) system.