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Design and Function

Connector Locations
The VN Series set of electrical schematics shows details on connectors used in the electrical system. The schematic also includes an illustration of each connector's location on the vehicle.

When referring to schematics that include all variants, pay close attention to the connector locations. Each illustration will be labeled according to the respective variant.

Note: All connector end-views show the wire insertion side.

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Diagram of connector locations with labels for female terminal, cavity number, male terminal, connector number, locator image, connector and splice information, and illustration number.
Splice Details

Circuit splices can be represented in two ways.

Earlier schematics only show a partial splice in the circuit diagram. Only the wires pertaining to the schematic are shown. However, a detailed view of the entire splice is available, in a key located below or to the right of the circuit diagram.

In later schematics, an entire splice is represented in the circuit diagram. In this case, no splice detail is necessary. Instead, a splice location chart is provided, where each splice is represented by a number.
**Variant Information**

Schematics printed in October 1998 and later will depict all variants available for a certain component. For example, the Vehicle Starting and Charging Schematic will show all engine variants available for the VN Series. Before this print date, separate circuit schematics were printed for each variant offered.

When referring to schematics that include all variants, be aware of the variants shown, their locations on the schematic, and how they are depicted. Often, the variant portions for these schematics are blocked off and labeled. Some schematics indicate variants by different line styles. See the example illustration.

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**Note:** Some schematics differentiate variants by line styles. In the example illustration, each engine is indicated by a different line style.
Symbol List

- A/C Compressor
- Flasher, Mechanical
- Alternator
- Fuel Pump
- Batteries
- Fuse
- Bus bar
- Fusible link
- Connector & cavity number with terminals
- Bus bar
- Ground
- Diode
- Ground
- Electronic Unit or Module (curved line means shown incompletely)
- Heater Element
- Horn

Volvo Trucks North America, Inc.
Service Bulletin

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