

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Power and Signal Distribution**

2. **Wire and Connector Repair**

3. **Repair Instructions**

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0.5 NANO, 1.2 MCON Series Connectors

Special Tools

- J-38125-215A
- EL-38125-58

For equivalent regional tools, refer to Special Tools.

Connector Removal Procedure

1. Click here for full size
2. Slide the CPA to the released position by sliding it away from the component.
3. Click here for full size
4. While depressing the connector latch, gently pull the connector from the component.

Terminal Removal Procedure

1. Click here for full size
2. Note:

The wire tie MUST be cut above wire dress tab to prevent damage to wires.

3. Remove the wire cover by carefully cutting the wire tie with side cutters.
4. Click here for full size
5. Use a small flat blade screwdriver to release the retention tabs of the wire cover and then lift the cover off the connector assembly.
6. Click here for full size
7. Insert a small screwdriver under the TPA and gently pry it open.
- 8.

Other List:graphic

- (1) 0.5 mm terminal
- (2) 0.5 Terminal Release Access
- (3) 1.2 Terminal Release Access
- (4) 1.2 mm terminal

9. This connector has 2 different size terminals, release access holes and terminal tools. The terminal size and release access holes can be identified in the image above.

10.

Other List:graphic

- 0.5 terminal release tool EL-38125-58
- Click here for full size
- 1.2 terminal release tool J-38125-215A

11. Gently insert the EL-38125 terminal release tool for 0.5 terminals or J-38125 terminal release tool for 1.2 terminals to release the terminal. Once the terminal is released, pull the terminal to remove it from the connector.

Terminal Installation Procedure

- [Click here for full size](#)
- 0.5 mm Terminal orientation and location
- [Click here for full size](#)
- 1.2 mm Terminal orientation and location

1. Note:

Installing a terminal correctly will have low effort. A terminal oriented incorrectly will lead to high effort and wire buckle.

2. With the TPA in the unlock position, position the terminal into the back side of the connector as shown above. Grip the wire no less than 20 mm behind the terminal insulation crimp, insert it into the appropriate terminal cavity. If resistance is encountered, remove the terminal and reposition it in the terminal cavity and reinsert it until an audible click is heard or felt to verify it is fully seated.
3. [Click here for full size](#)
4. Close the TPA by pushing it towards the connector body. The TPA should close and fully seat with little effort. If it will not close, verify that all terminals are properly inserted and seated.
5. [Click here for full size](#)
6. Install the wire cover by forming the wires away from the connector latch. Angle the cover towards the connector latch and then rotate the cover over the wires until the final locking position.
7. [Click here for full size](#)
8. Position the wires in the desired direction and secure them to the wire cover using a plastic wire tie.