

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Power and Signal Distribution**

2. **Wire and Connector Repair**

3. **Repair Instructions**

- 4.

0.64 MTS, 6.3 MCP Series Connectors (Female)

Special Tools

- J-38125-553
- J-38125-556

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
3. Click here for full size
4. Click here for full size
5. Locate the tab (1) to release the lock (2) on the lever.
6. Click here for full size
7. Lift the tab to deflect it and release the lock.
8. Click here for full size
9. With the locking tab deflected, rotate the lever to release the connector, an audible click will be heard or felt when it is fully released.
10. Click here for full size
11. Once the lever is fully released the connector can be removed from the mating component by gently pulling on it

Terminal Removal Procedure

0.64 Terminals

1. Click here for full size
2. Click here for full size
3. Gently spread the arms of the lever while rotating it forward to the closed position shown in the figures above.
4. Click here for full size
5. Insert the J-38125-553 tool into the slot on the connector locking covers shown in the figures above.
6. Click here for full size
7. Rotate the tool as shown in the figures above to release the locking covers.
8. Click here for full size
9. Repeat procedure until all locking covers are released.
10. Click here for full size
11. Once all locking covers are released rotate the lever to the latched position until an audible click is heard or felt.
- 12.

Other List:graphic

- (1) Primary Lock Edge
- (2) Secondary Lock Edge
- (3) Terminal Flex Lock

13. Carefully lift the locking covers out of the way until the terminal is visible.

14. [Click here for full size](#)

15. With the locking cover is out of the way, insert the tool J-38125-553 into the cavity and deflect the flex lock. Gently pull on the wire to get it past the primary lock edge.

16. [Click here for full size](#)

17. Deflect the flex lock again and gently pull the wire to get it past the secondary lock edge. Continue to pull until the terminal is fully removed from the connector body.

6.3 Terminals

1. [Click here for full size](#)

2. [Click here for full size](#)

3. Gently spread the arms of the lever while rotating it forward to the closed position shown in the figures above.

4. [Click here for full size](#)

5. Insert the J-38125-553 tool into the slot on the connector locking covers shown in the figures above.

6. [Click here for full size](#)

7. Rotate the tool as shown in the figures above to release the locking covers.

8. [Click here for full size](#)

9. Repeat procedure until all locking covers are released.

10. [Click here for full size](#)

11. Once all locking covers are released rotate the lever to the latched position until an audible click is heard or felt.

12. [Click here for full size](#)

13. Push in on the wire to seat the terminal to the front of the connector to relieve pressure on the terminal flex lock.

14. [Click here for full size](#)

15. Locate the removal windows at the front of the connector. Insert the tool J-38125-556 straight into the cavity to deflect the terminal locks.

16. [Click here for full size](#)

17. Gently pull on the wire and fully remove the terminal from the connector.

Terminal Installation Procedure

0.64 Terminals

- [Click here for full size](#)

- (1) Cavity Orientation Position 1 to 6.

- (2) Cavity Orientation Position 13 to 18.

1. Ensure terminal to connector orientation is correct.

2. [Click here for full size](#)

3. Note:

The insertion should be an easy procedure, using little effort. If force is needed, remove terminal and verify proper orientation

4. Gently insert terminal into cavity until audible click is heard or felt.
5. Once terminal is inserted, gently pull on wire to verify that it has been locked in place,
6. [Click here for full size](#)
7. Use wire tie to secure the wires to connector
8. [Click here for full size](#)
9. Push down the locking covers one at a time to secure the terminals.
10. [Click here for full size](#)
11. As each locking cover is closed, there should be an audible click that is heard or felt. Verify all four locking covers are closed flush.

6.3 Terminals

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2. Ensure terminal to connector orientation is correct.
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The insertion should be an easy procedure, using little effort. If force is needed, remove terminal and verify proper orientation

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11. Push down the locking covers one at a time to secure the terminals.
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13. As each locking cover is closed, there should be an audible click that is heard or felt. Verify all four locking covers are closed flush.