

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Power and Signal Distribution**

2. **Wire and Connector Repair**

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90-way F 0.64 GEN-Y, 2.8, 6.3 MCP Series, Sealed Connectors (Female)

Special Tools

- J-38125-215A
- J-38125-556

For equivalent regional tools, refer to Special Tools.

Connector Removal Procedure

1. Click here for full size
2. Slide the CPA (1) away from the cam lever until it stops (2).
3. Click here for full size
4. Note:

The connector will lift away from the mating component as the lever is being moved.

5. Press the locking tab (1) to release the cam lever, then rotate the cam lever (2) until it stops.
6. Remove the connector from the mating component.

Terminal Removal Procedure

0.64 Terminals

1. Remove any tape or wire ties from the wire cover
2. Click here for full size
3. Press and hold the front of the wire cover (1) and lift the front of it until it clears the cam lever (2).
4. Rotate the wire cover (1) so that the locking tabs (3) move out of the connector slots (4) until the wire cover is free.
- 5.

Other List:graphic

- (1) Mating Face of the Connector
- (2) Terminal Cavity Position Number 1
- (3) Move the TPA downwards from the top to the fully unlocked position (red showing in the center).

6. Note:

The TPA is in the released position when the red TPA is visible in the center slots from the mating face of the connector as shown in the figure above. This verifies the terminal locking latch can be released to remove the terminal.

7. Move the TPA (3) to the released position from the mating face of the connector (1) with terminal cavity position 1 (3) in the front bottom left, insert a small screwdriver into the top TPA slots on both sides, and move the TPA downwards until it stops, an audible click will be heard or felt from each side.
8. Click here for full size
9. Push the wire of the terminal to be removed towards the connector (1) so there is more clearance between the terminal locking tab (4) and the terminal (3).

10. Insert the tip of the terminal removal tool (2) J-38125-215A into the circuit cavity between the top of the terminal (3) and the circuit cavity latch (4).
11. [Click here for full size](#)
12. Gently push and rotate (1) the tool toward the terminal tab (2) to release the terminal locking tab, Pull the wire (3) out of the connector.
13. Remove terminal from connector body, it should take very little effort to remove the terminal from the connector housing. If excessive effort is required, verify that the terminal locking tab is fully released per step 7.

2.8 and 6.3 Terminals

1. Remove any tape or wire ties from the wire cover
2. [Click here for full size](#)
3. Press and hold the front of the wire cover (1) and lift the front of it until it clears the cam lever (2).
4. Rotate the wire cover (1) so that the locking tabs (3) move out of the connector slots (4) until the wire cover is free.
5.
 - Other List:graphic
 - (1) Mating Face of the Connector
 - (2) Terminal Cavity Position Number 1
 - (3) Move the TPA downwards from the top to the fully unlocked position (red showing in the center).

6. Note:

The TPA is in the released position when the red TPA is visible in the center slots from the mating face of the connector as shown in the figure above. This verifies the terminal locking latch can be released to remove the terminal.

7. Move the TPA (3) to the released position from the mating face of the connector (1) with terminal cavity position 1 (3) in the front bottom left, insert a small screwdriver into the top TPA slots on both sides, and move the TPA downwards until it stops, an audible click will be heard or felt from each side.
8. [Click here for full size](#)
9. Push and hold the wire in (1) while inserting the tips of the terminal; removal tool J-38125-556 (2) so that one tip enters in the opening above the terminal and one enters below the terminal.
10. [Click here for full size](#)
11. Gently push the tool (1) until the terminal locking tabs (2) are deflected
12. While holding the tool in place, gently pull the wire (3) until the terminal is free from the connector

Terminal Installation Procedure

- [Click here for full size](#)
- (1) Terminal Cavity Position 1
- (2) Terminal Cavity Position 2
- (3) Terminal Row 1
- (4) Terminal Row 2
- (5) Terminal Row 3
- (6) Terminal Row 4
- (7) 2.8 mm Terminal Orientation
- (8) 6.3 mm Terminal Orientation
- (9) 0.64 mm Terminal Orientation

1. Use the figure above to verify the terminal is correctly orientated to the connector housing
2. Once properly positioned Insert each terminal straight into the cavity until it is fully seated. An audible click should be heard or felt when the terminal is fully seated and locked into place. Gently pull on the wire to verify it is fully seated.
3.
 - Other List:graphic
 - (1) Move the TPA upwards from the bottom to the fully locked position (No red showing in the center).
 - (2) Mating Face of the Connector
 - (3) Terminal Cavity Position Number 1
4. Note:

The TPA is in the fully in the locked position when the red TPA is not visible in the center slots from the mating face of the connector as shown in the figure above. This verifies the terminal is locked into place and cannot be removed.
5. Move the TPA (1) from the unlocked position to the locked position from the mating face of the connector (1), with terminal cavity position 1 (3) positioned in the front bottom left, insert a small screwdriver into the bottom of the TPA slots on both sides, and move the TPA upwards until it stops, an audible click will be heard or felt from each side.
6. [Click here for full size](#)
7. Install wire cover (1). Verify the cam lever is in open position (2).
8. Bundle the wires (3) to fit in the wire exit of the wire cover, then position them in the direction of the exit point. Place the wire cover over the wires and lock the tabs at the back of the connector first (4)
9. [Click here for full size](#)
10. Lower the other end of the cover onto the connector until the front tab (1) snaps into the connector cover latch. Gently pull on the cover to ensure both ends are locked into position.
11. Use tape or plastic wire ties, secure the wire bundle to the wire cover.