

Guide for 240 Chrysler Ignition Module Later 10-pole Connector Plug



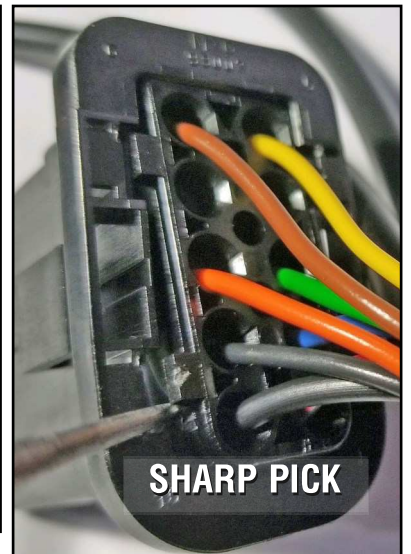
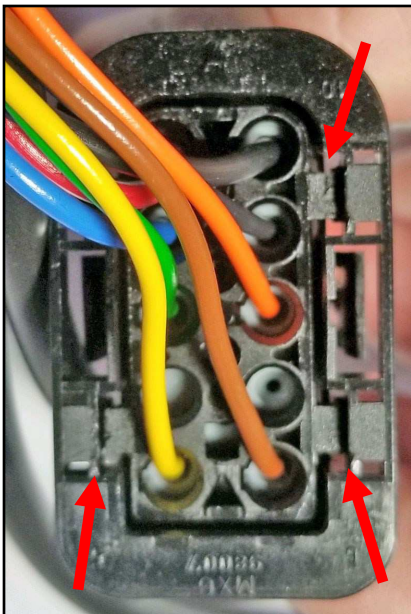
This guide will address the removal and installation of the above LATER 10-pole connector plug for the 240 ignition control unit (ICU) mounted on your right fender. This guide will address the LATER PLUG ONLY, which is typically found in the 1987-88 240. The EARLY PLUG is found in most cars 1986 or older.

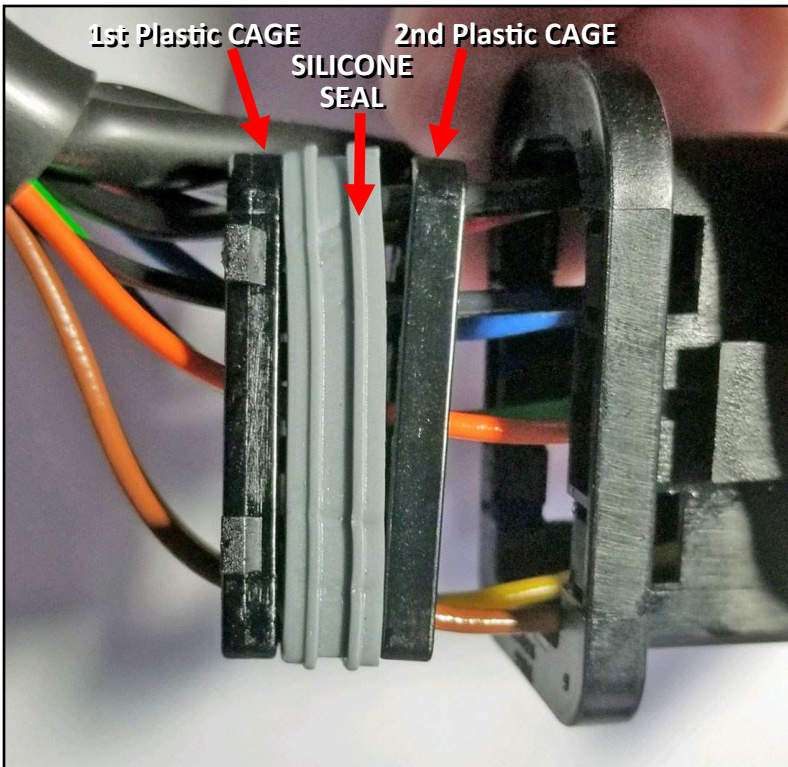
THIS HARNESS IS NOT COMPATIBLE WITH THE EARLY PLUG.



LATER PLUG DISASSEMBLY:

The disassembly or removal of connector terminals from this connector will need to be done in a few steps. Take note of the **FOUR CLIPS** (shown by the **red arrows BELOW**), which secure the rear inner plastic wire cage to the outer housing. This inner plastic cage must be detached from the housing and slid backward (toward the wires). This is done by using a sharp pick to release the **FOUR CLIPS**, allowing the plastic inner cage to be slid backward, out of the main connector housing.





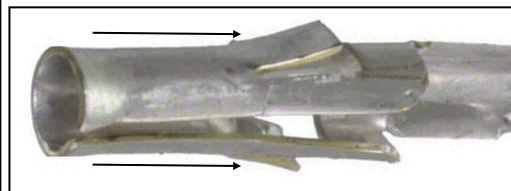
After sliding the **1st plastic wire cage** backward, you can then slide the **soft silicone seal** backward and then the **2nd plastic wire cage** behind it.



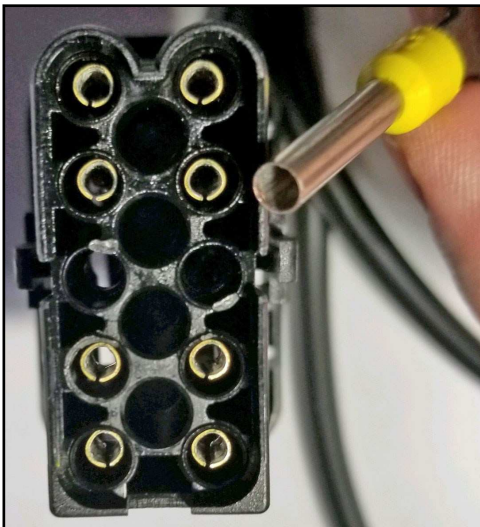
<<< On the FRONT end, you should remove the front silicone seal. In most cases it will simply pull out. In some cases this seal is held with some glue. It can still be pulled off.

RELEASING THE TERMINALS

A tool will be needed to release the terminal inserts. Once released, the terminals will be pulled out through the back of the plug.



<<< These terminals are held in place by two hooks or barbs as shown here. The tool used must be able to depress both hooks at the same time so the terminal can be backed out.



<<< **OPTION #1:** There is actually a dedicated tool for this, Molex PN 11-03-0006 shown below, however there are other tools that will do the job. The key

11-03-0006

Extraction Tool, 2.36mm Pin & Socket Contacts



is to find a tube style tool that fits over the end of the terminal in the connector and will depress the two barbs at the same time.



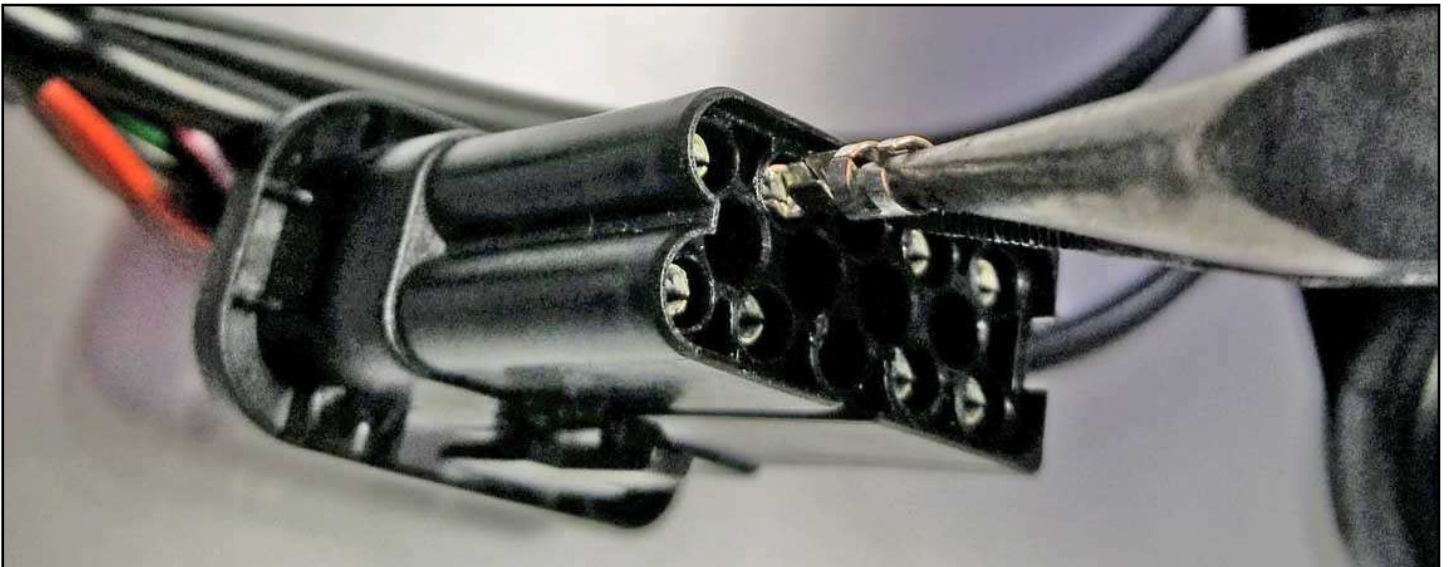
<<< **PHOTO:** Insert your tool over the terminal in the connector as shown and push inward. **The tool needs to be inserted about 6 to 8 mm.** Then give the wire a tug from the back to see if it's free. It should come free once the barbs are squeezed inward. Repeat this with each terminal until all are free.

If you find a terminal that is difficult to release, rocking the tool back and forth while pushing will help to eventually release the barbs.

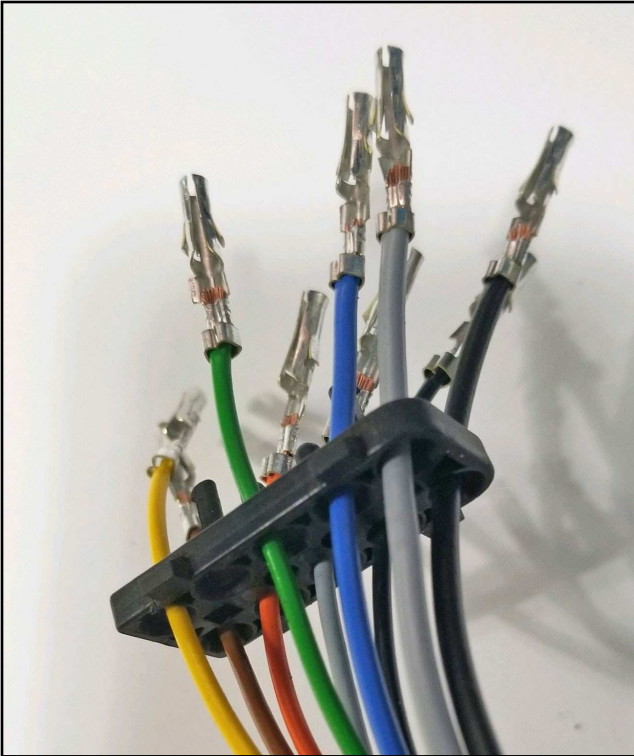


<<< **OPTION #2:** If a dedicated Molex tool is not available, a spare 3 mm or 3.5 mm female bullet terminal can be used to improvise. 3.5 mm terminals like this are pretty common in Volvo 240s. In this photo, this terminal pictured is a 3.5 mm bullet terminal that has been squeezed slightly to reduce the opening to about 3 mm. This can then be held tightly with needle nose pliers and used as a tool to release the terminals.

BELOW PHOTO: Insert your tool over the terminal in the connector as shown below and push inward. The tool needs to be inserted about 6 to 8 mm. Then give the wire a tug from the back to see if it's free. It should come free once the barbs are squeezed inward. Repeat this with each terminal until all are free.

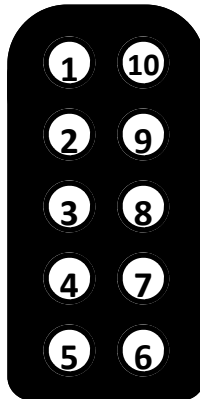


RE-INSTALLING THE TERMINALS



Begin by studying the correct wire order and insert the wires through the back of the rear cage in that order.

Wire order for all harnesses is found on the last page of this guide.



VIEW FROM REAR

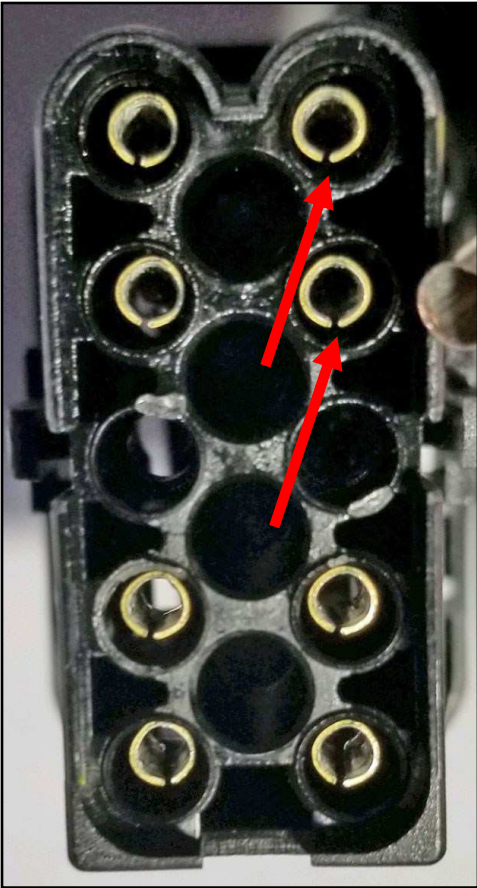


Then install the rear silicone seal on the wires.



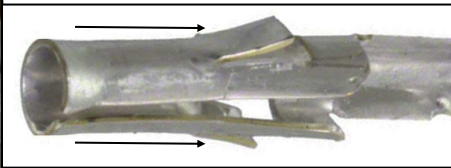
PHOTO AT RIGHT >>>: Using CAGE #2 is optional.

We have found it's not required for assembly and if you use it, it will make installing the new terminals into the back of the connector housing more difficult. **So you may choose to leave it this part out with no negative effect.**



When finally inserting these terminals through the back of the connector housing, **take note of the CLOCK POSITION of the small gap on the front end of the terminal as seen in this photo (ALL GAPS ARE FACING THE SAME DIRECTION IN THIS PHOTO).**

All of the terminals must be facing the same direction for them to properly seat and “CLICK” into place. Otherwise you will have difficulty. It may take a little adjusting or twisting of the wires at the back to make sure the terminals align correctly before inserting.



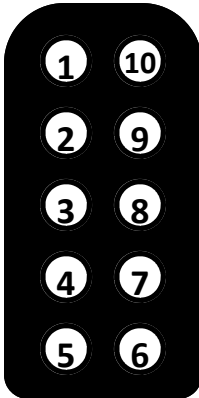
Remember these barbs? These barbs will “CLICK” into place to lock the terminal in the housing. If one or both of these barbs are bent inward, they won’t catch. So have a close look to verify they are protruding like in this photo.

Once all terminals have “CLICKED” into place, give the wires a tug to test that they are secure. Then slide the wire cages and rear seal back into place.



Then re-install the front seal, which can just be pressed in (or glued in as an option).

10-POLE IGNITION CONTROL UNIT (ICU) PLUG WIRE COLOR ORDER



VIEW FROM REAR

**Number markings are embossed on rear of plug.

1982-84 240, Distributor with **ROUND** Connector (3515722).

- | | |
|-----------------|--------------------------------------|
| 1. Red or Gray: | to 1-pole male plug near ICU. |
| 2. Blue: | to 2-pole male plug at right fender. |
| 3. Green: | to 3-pole distributor plug pin 2. |
| 4. empty | |
| 5. Yellow: | to 3-pole distributor plug pin 1. |
| 6. Brown: | to 1-pole knock sensor plug. |
| 7. Orange: | to 1-pole harness plug. |
| 8. empty | |
| 9. Black (thin) | to 3-pole distributor plug pin 3. |
| 10. Black (fat) | to ground ring terminal. |

1982-84 240, Distributor with **SQUARE** Connector (3515723).

- | | |
|-----------------|--------------------------------------|
| 1. Red or Gray: | to 1-pole male plug near ICU. |
| 2. Blue: | to 2-pole male plug at right fender. |
| 3. Green: | to 3-pole distributor plug pin 3. |
| 4. empty | |
| 5. Yellow: | to 3-pole distributor plug pin 2. |
| 6. Brown: | to 1-pole knock sensor plug. |
| 7. Orange: | to 1-pole harness plug. |
| 8. empty | |
| 9. Black (thin) | to 3-pole distributor plug pin 1. |
| 10. Black (fat) | to ground ring terminal. |

1985-88 240, Distributor with **SQUARE** Connector (3515885).

- | | |
|----------------|--|
| 1. Gray(fat): | to 1-pole female (for Coil Terminal 1 Neg). |
| 2. Blue: | to 1-pole female (for Coil Terminal 15 Pos). |
| 3. Green: | to distributor plug pin 3. |
| 4. empty | |
| 5. Yellow: | to distributor plug pin 2. |
| 6. Brown: | to knock sensor terminal. |
| 7. Orange: | to 2-pole male plug pin 1. |
| 8. Gray(thin): | to 2-pole male plug pin 2. |
| 9. Blk (thin): | to distributor plug pin 1. |
| 10. Blk (fat): | to ground ring terminal. |