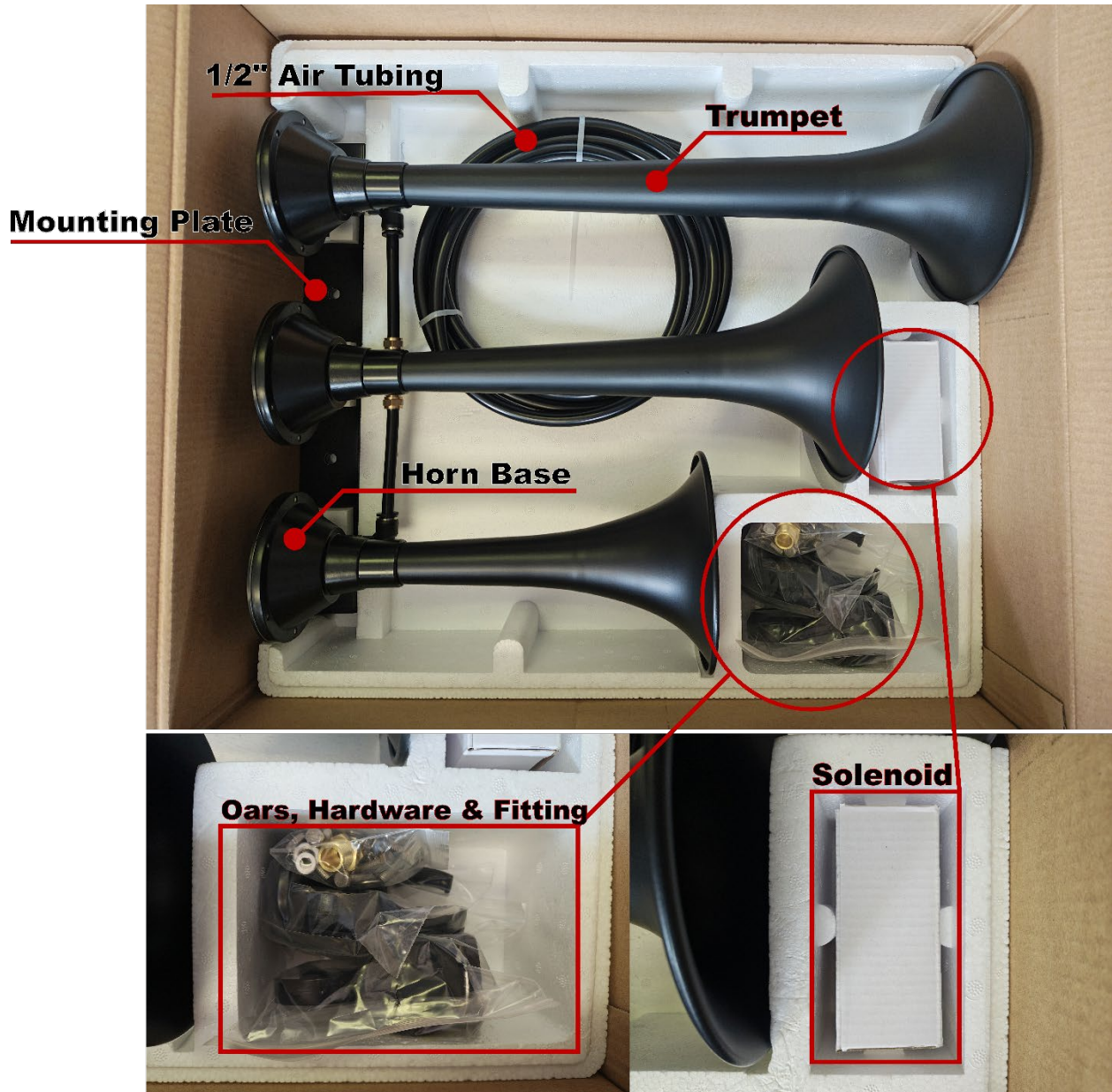


## 7. Bench Assembly

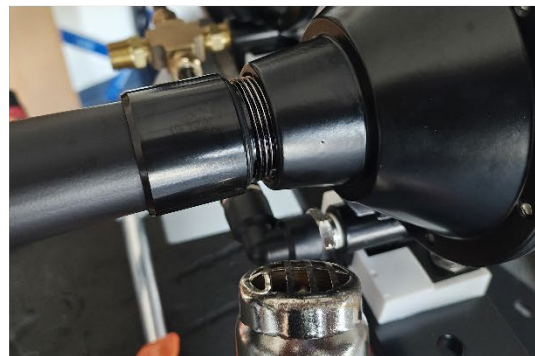
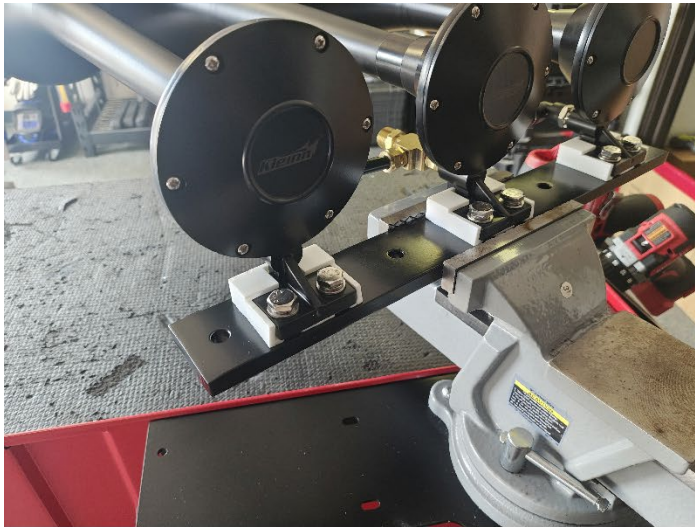
### 7.1. Horns – Parts Identification

1. Open box and remove top Styrofoam cover
2. Remove horns from box
3. Remove plastic from horns



**7.2. Trumpet Removal**

1. Use a vice (preferred method) and clamp the middle of the black mounting bar onto the vice
2. Apply heat from a 1500-watt heat gun (max heat, med airflow (preferred – if 3 airflow settings, if 2, use high)).
  - a. Do not allow heat to flow over the horn air tubing
  - b. It is preferable to allow the heat to flow upwards from the bottom of the horns
  - c. Apply heat to junction between trumpet collar & base, favoring the base as a 70/30 ratio keeping the nozzle around ½” distance from the horn



3. Allow the temperature of the base / trumpet collar junction to reach approx. 250°F or for approx. 2min 50 seconds
4. Grasp the trumpet by the widest part of the bell & rotate counterclockwise.
  - a. Extreme force SHOULD NOT be required to unscrew the trumpet.

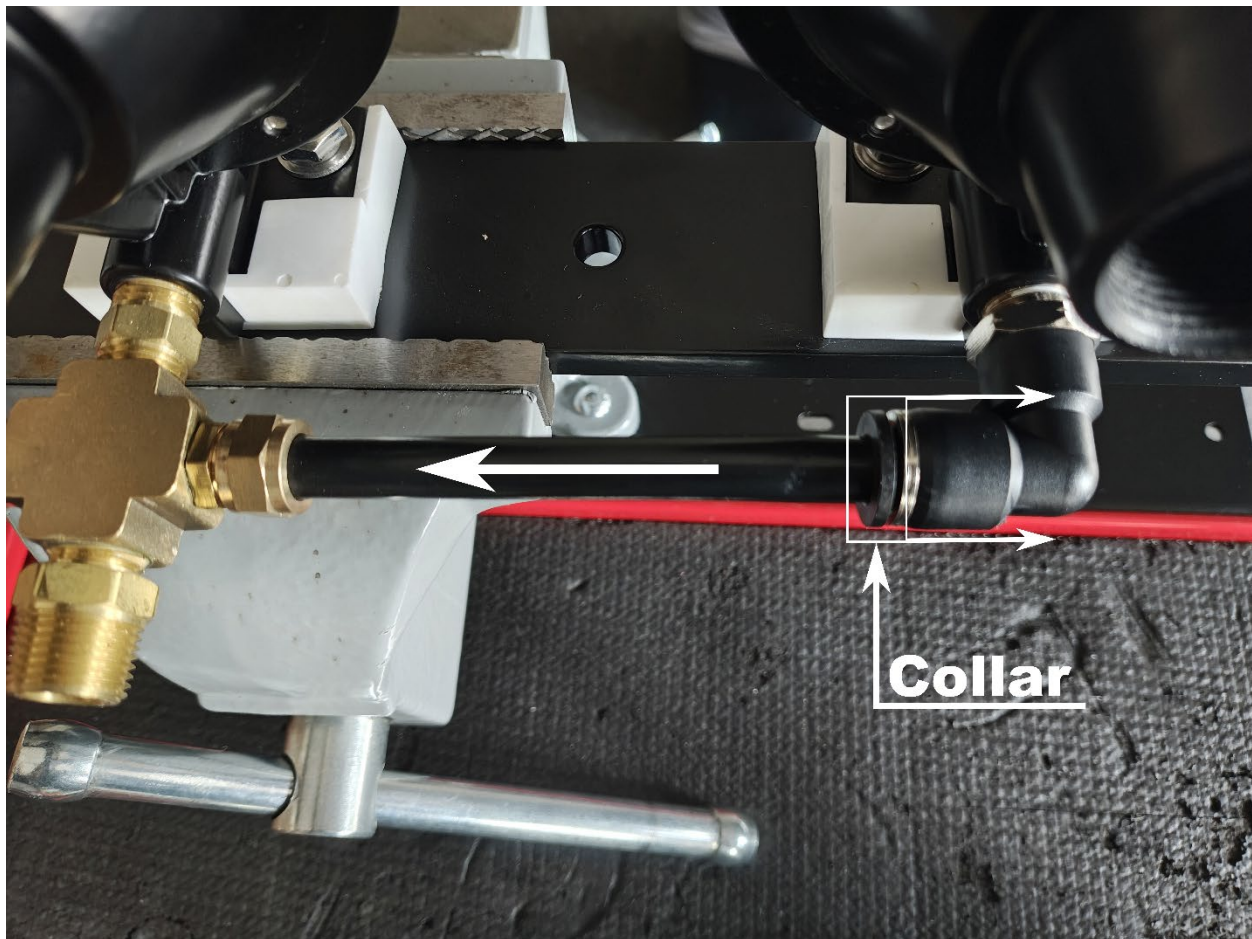
- b. If the trumpet does not unscrew, extend the time of applied heat to continue to break down the adhesive.
5. Repeat for each trumpet requiring removal.

### 7.3. Cooldown Period

1. If trumpets are removed, allow the bases & the trumpets to cool down until they can be handled safely.
  - a. While they are cooling down, use a brass bristle brush & vacuum (recommended) to clean out any adhesive on the threads of the horn bases & trumpets.
  - b. The adhesive does not need to be replaced as the horns have a 0-ring seal that prevents any air from leaking during operation.
2. Remove horn bases from mounting bar If the mounting bar will not be used.

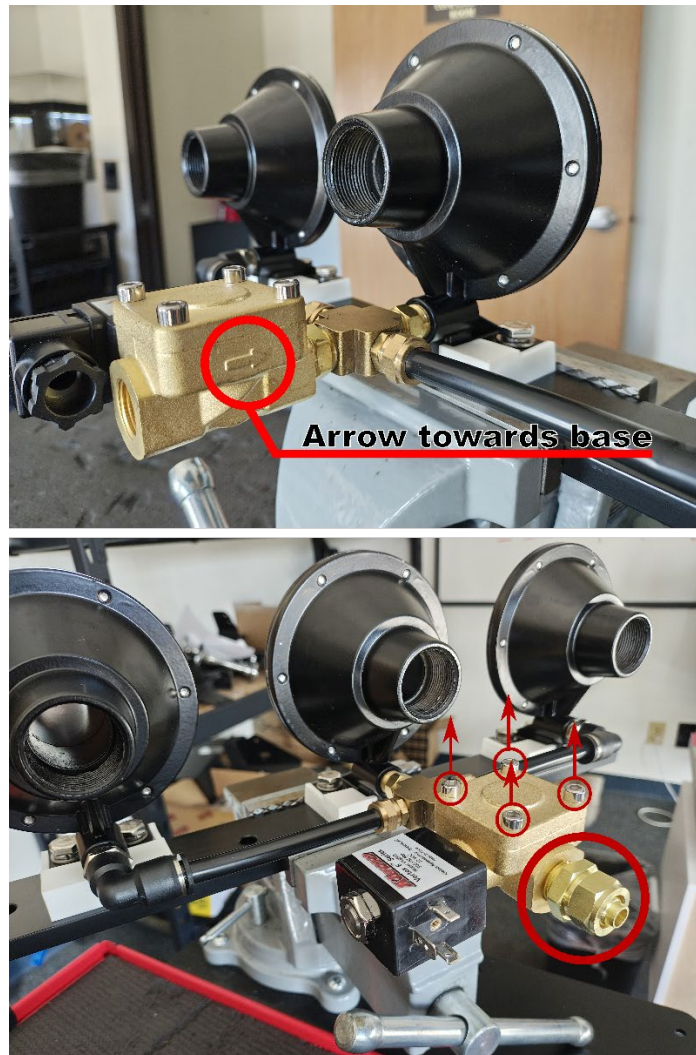
### 7.4. Separating the horn bases from each other

If the horns need to be separated from each other, push the collar of the push-to-connect fittings in (towards the fitting) and pull the air tubing out of the fitting.



**7.5. Solenoid Installation**

1. Remove the solenoid from package.
2. Examine the solenoid appearance to find the directional arrow stamped on the body of the valve assembly.
3. Apply KLEINN Juice (recommended) or other liquid thread sealant to the male brass fitting on the horn base.
4. With the arrow pointing towards the horn base (arrow signifies direction of air flow), thread the solenoid onto the male fitting hand tight and then up to 1 rotation more to where the solenoid valve is parallel to the foot of the base, or there is no interference with the trumpet installation, or the base being mounted on a flat surface.
5. Apply KLEINN Juice (recommended) to the included NPT male fitting and thread it onto the remaining port on the solenoid.
  - a. If the solenoid is in its final orientation, do not allow the solenoid to rotate when this fitting is installed.



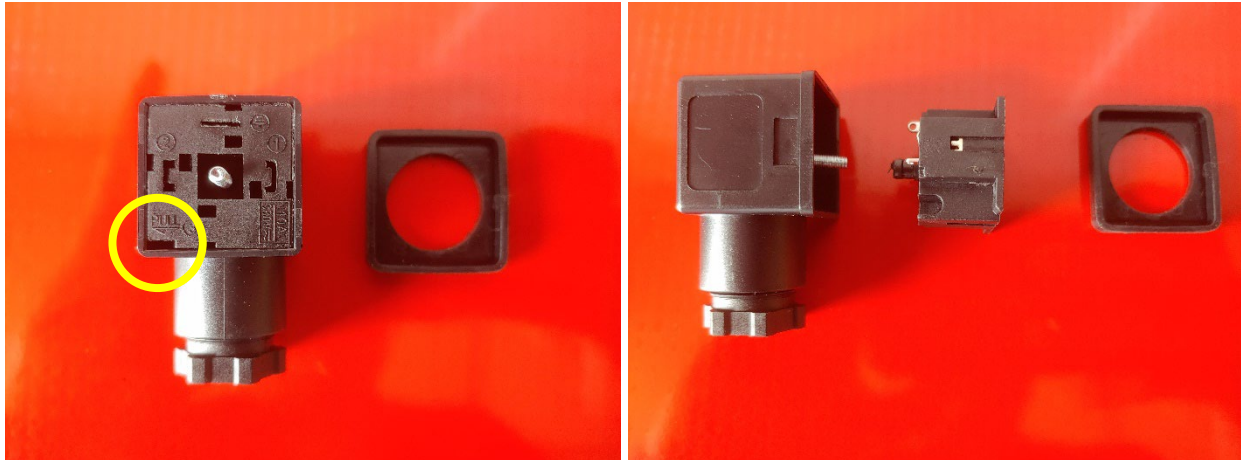
## 9. On-Vehicle Electrical Installation

It is recommended to disconnect the vehicle battery prior to performing any electrical work.

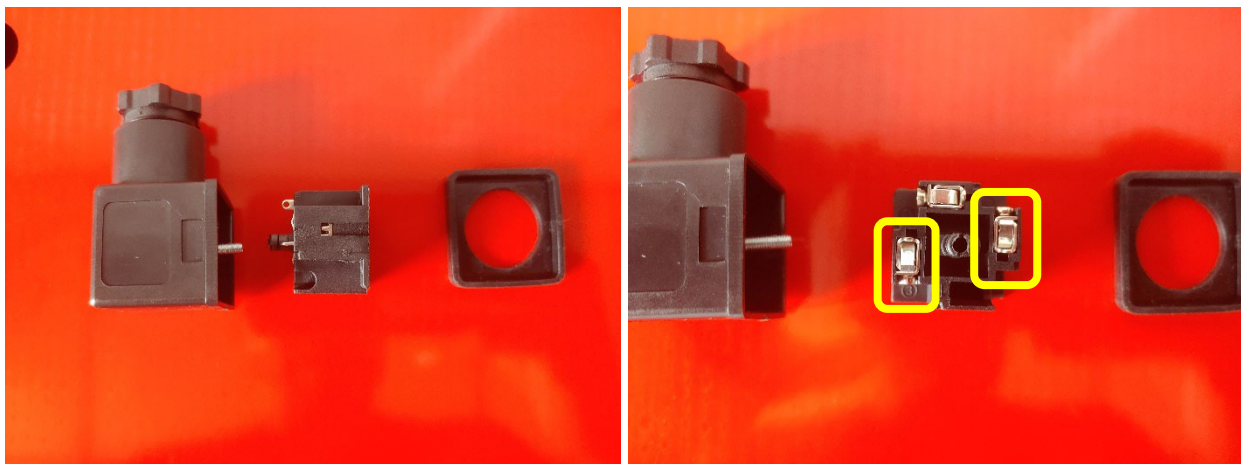
### 9.1. Reconfigure the Solenoid Connector Housing

Use the below figures to reconfigure the solenoid connector for optimal wire routing & fitment.

- 1) If not already detached, remove the electrical connector from the solenoid.
- 2) Remove the rubber boot to expose the separation slot.
- 3) Use a small pry tool to separate the connector from the housing.



- 4) Flip the housing over to the desired angle.
- 5) Hookup the Black & Violet wires to the highlighted terminals. Either wire can connect to either terminal.



- 6) Reassemble the connector.
- 7) Install the connector back onto the solenoid.

*NOTE: It is recommended to use the included loom for all wiring applications.*

