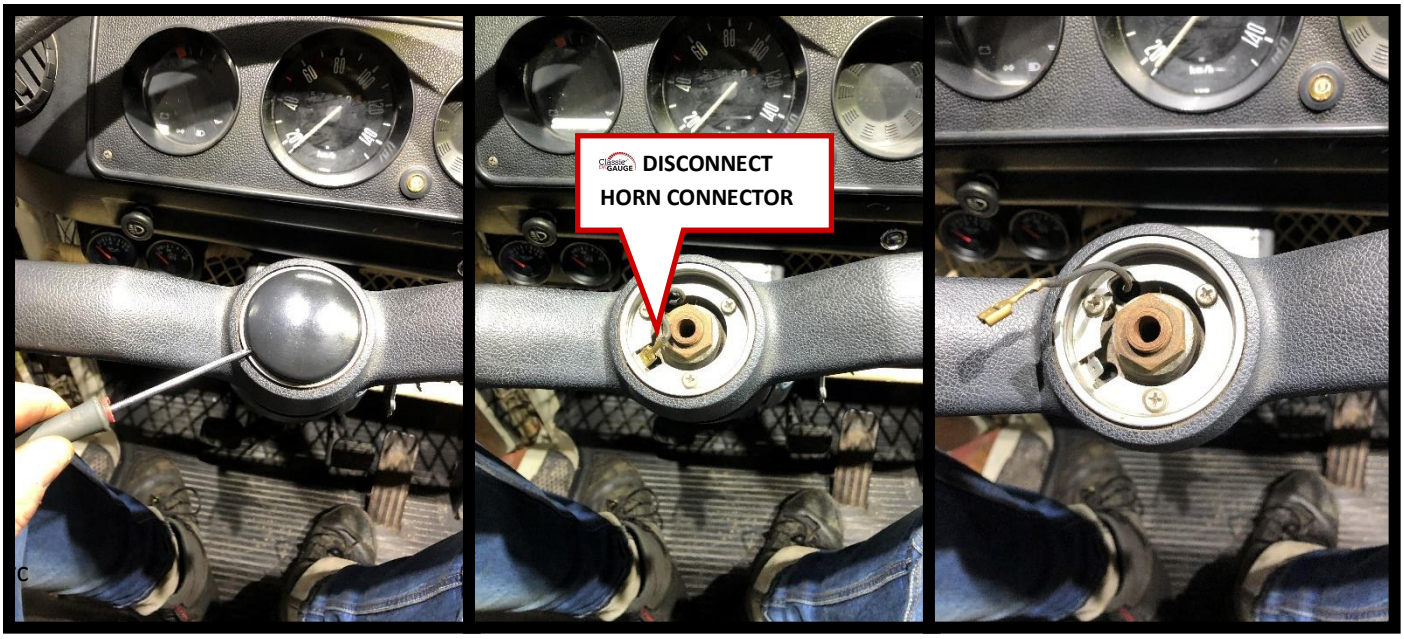
INSTALLATION C-E-G FUEL GAUGE FOR VOLKSWAGEN T2B

DOC. NR: 002

Chapter 1: INSTALLATION STOCKGAUGE FOR C-E-G FUEL GAUGE

NOTE :

Before working on electrical systems ALWAYS disconnect the Battery Clamp FIRST



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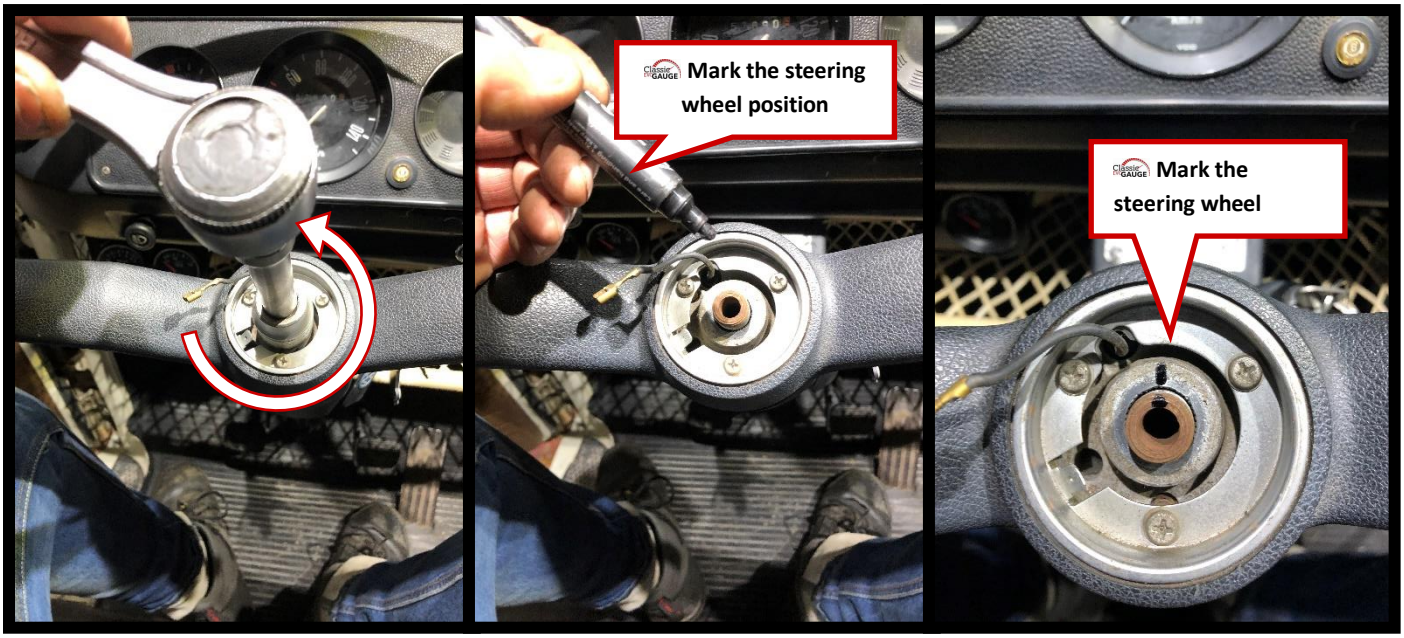

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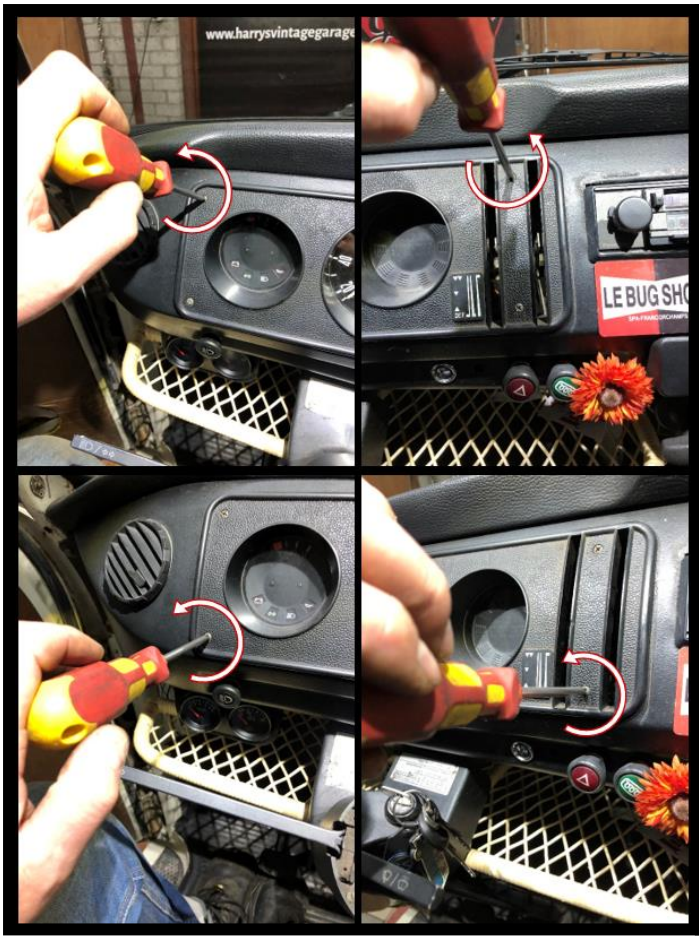

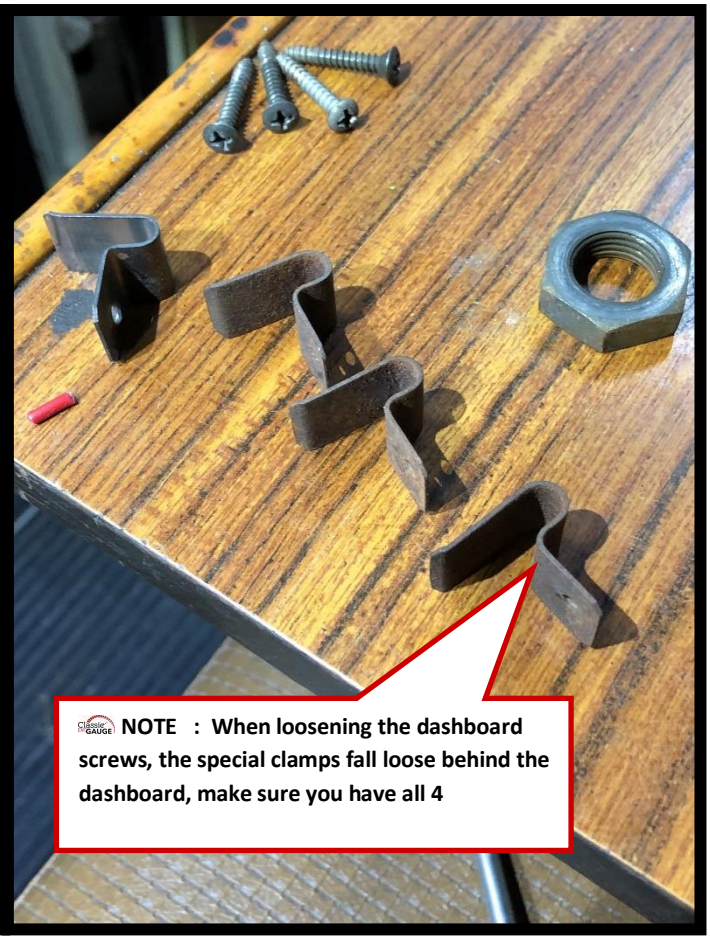

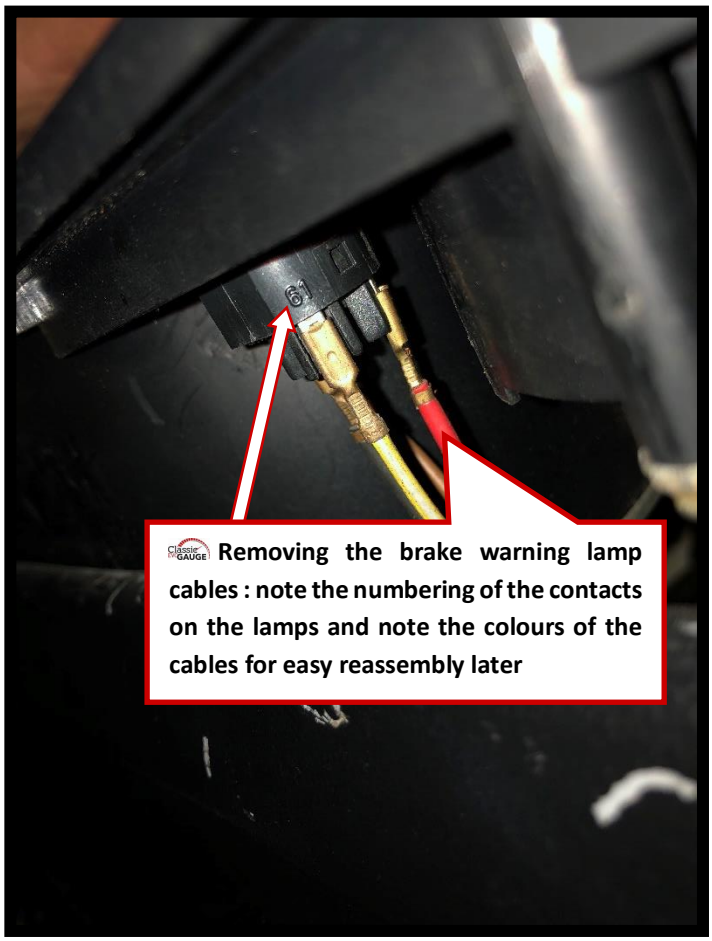

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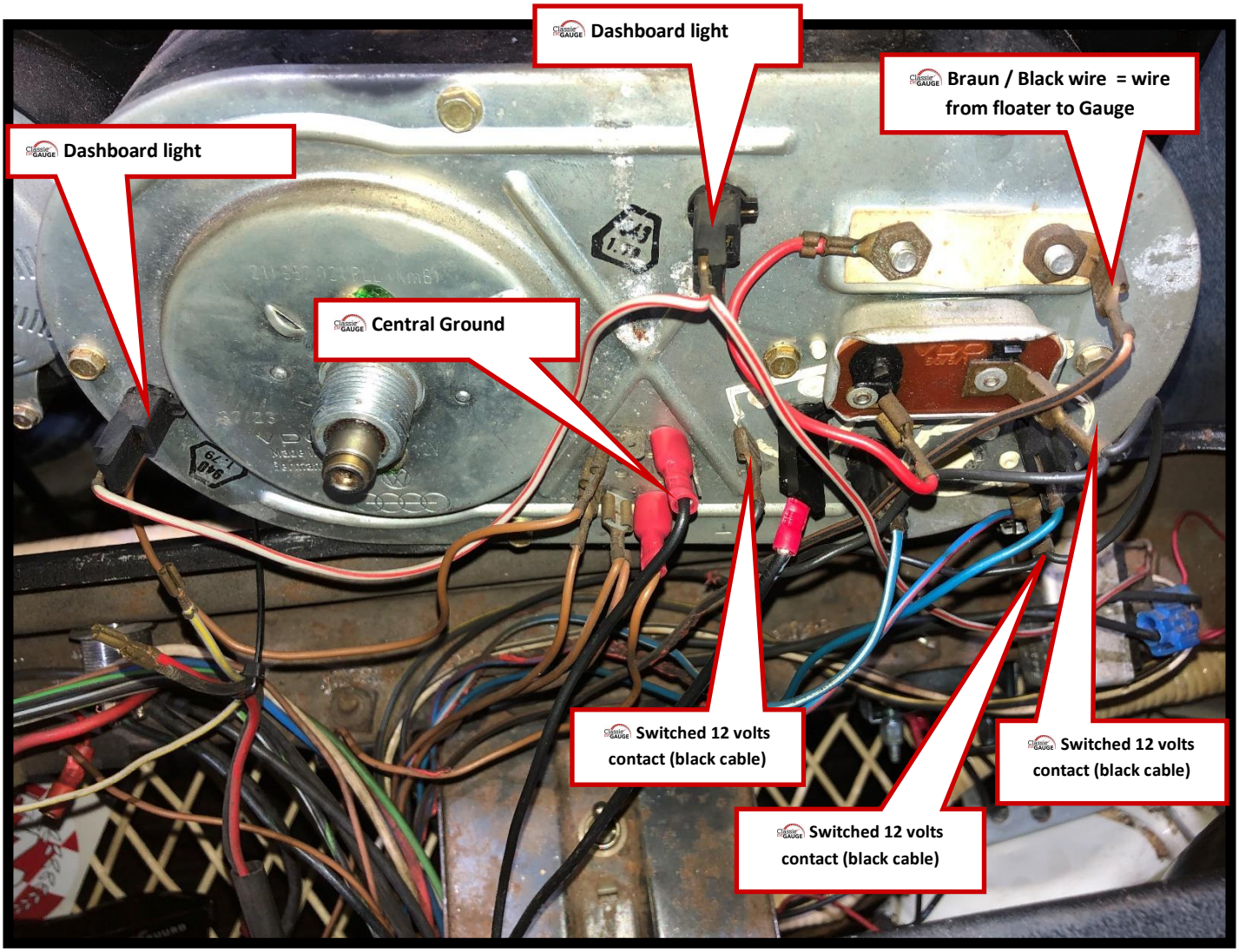

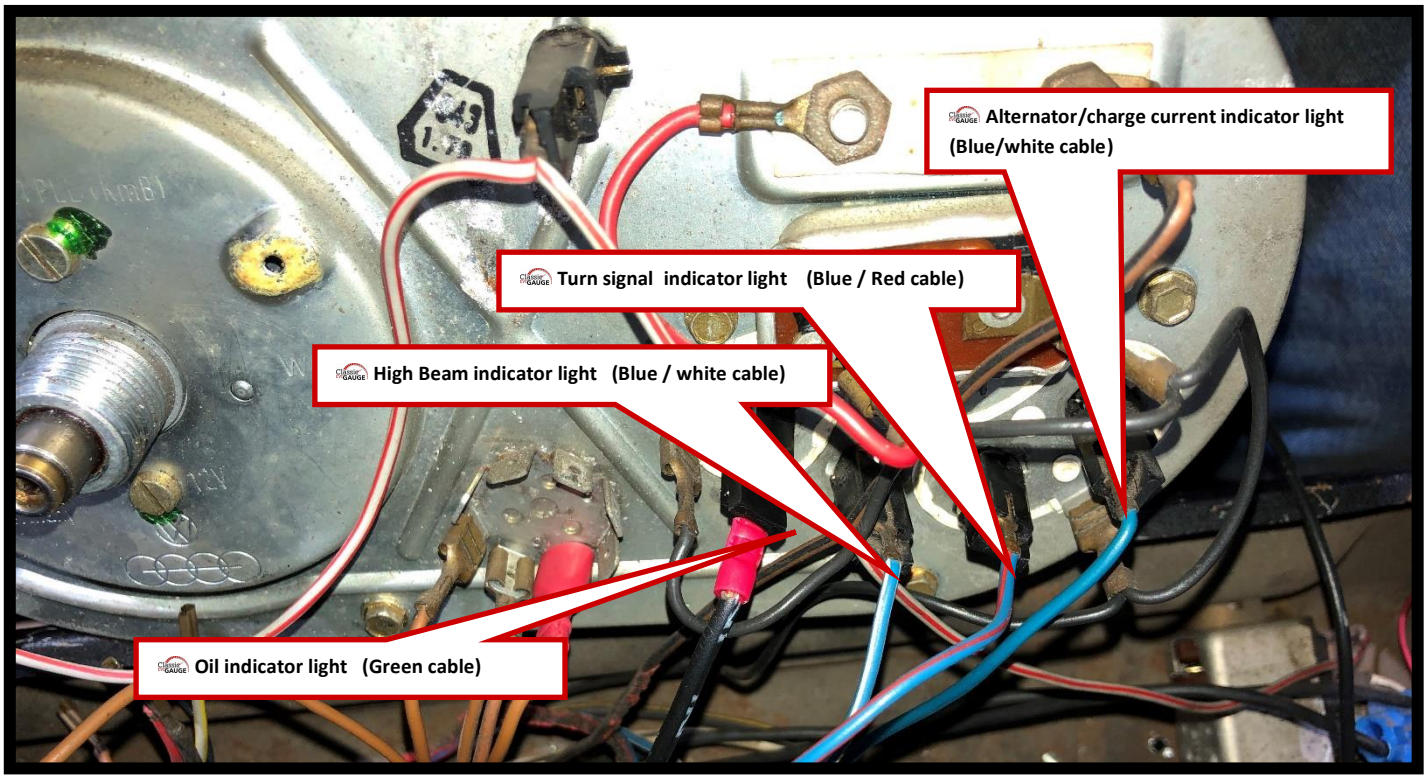

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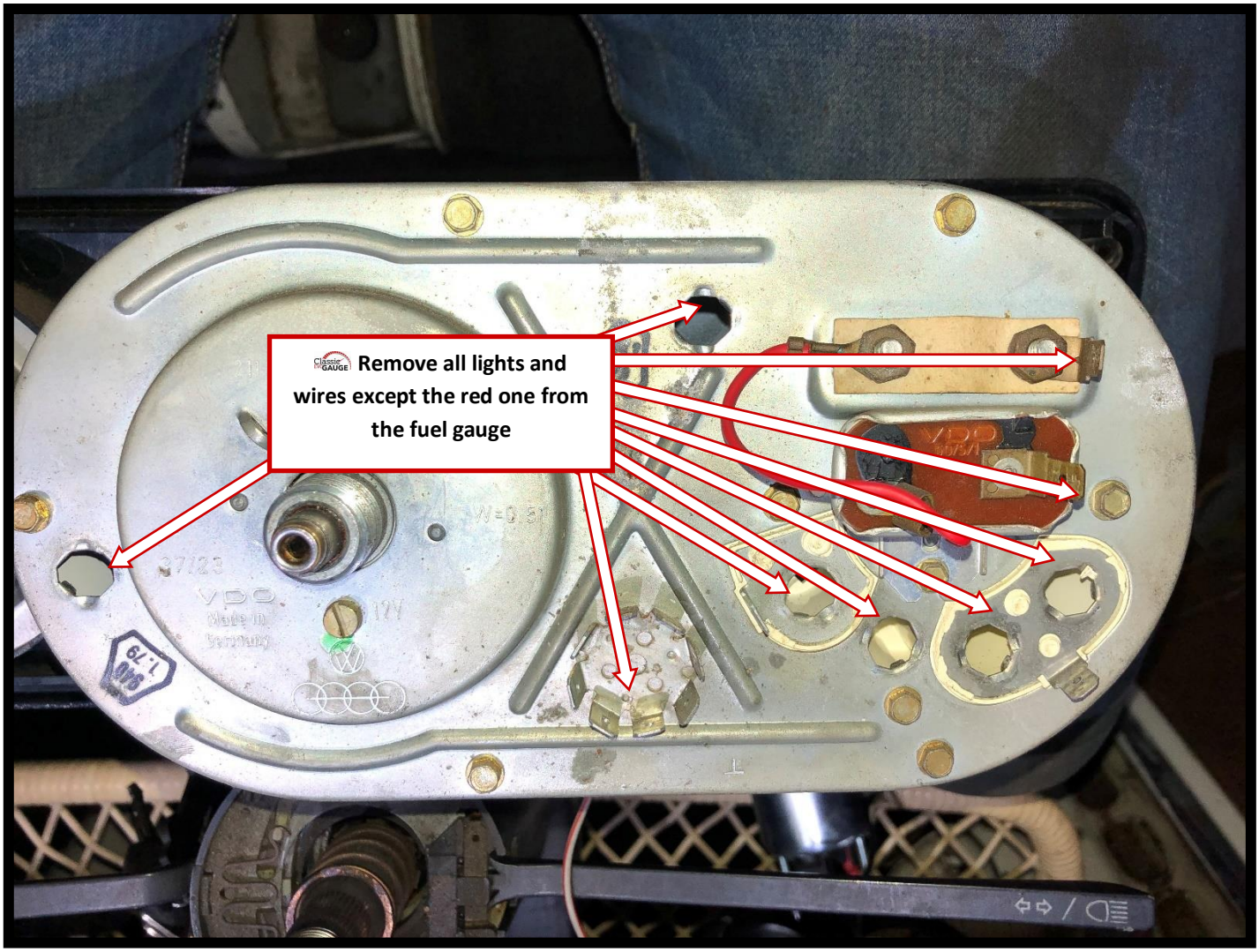

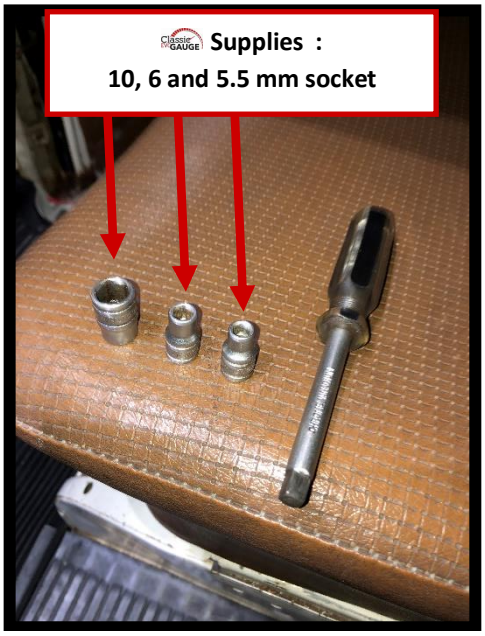

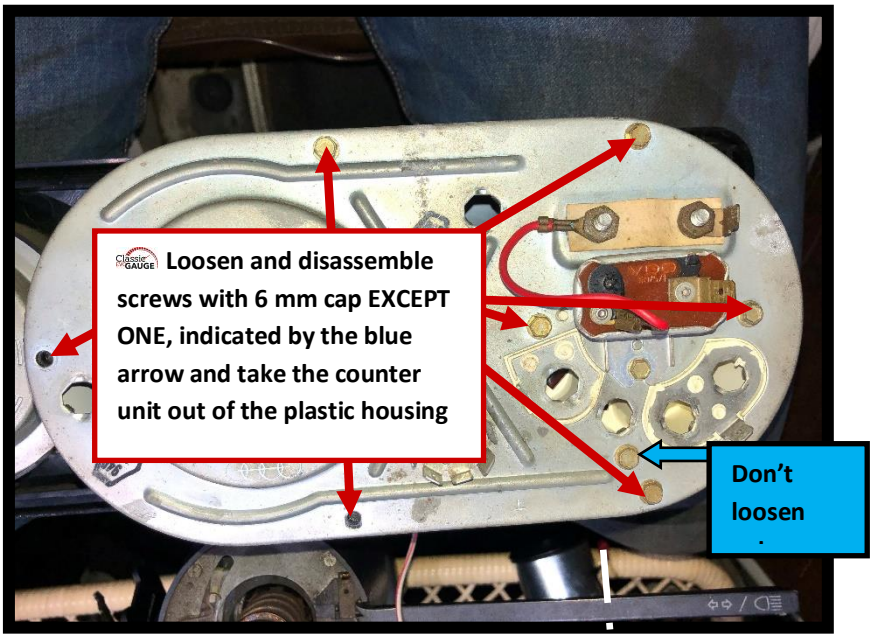

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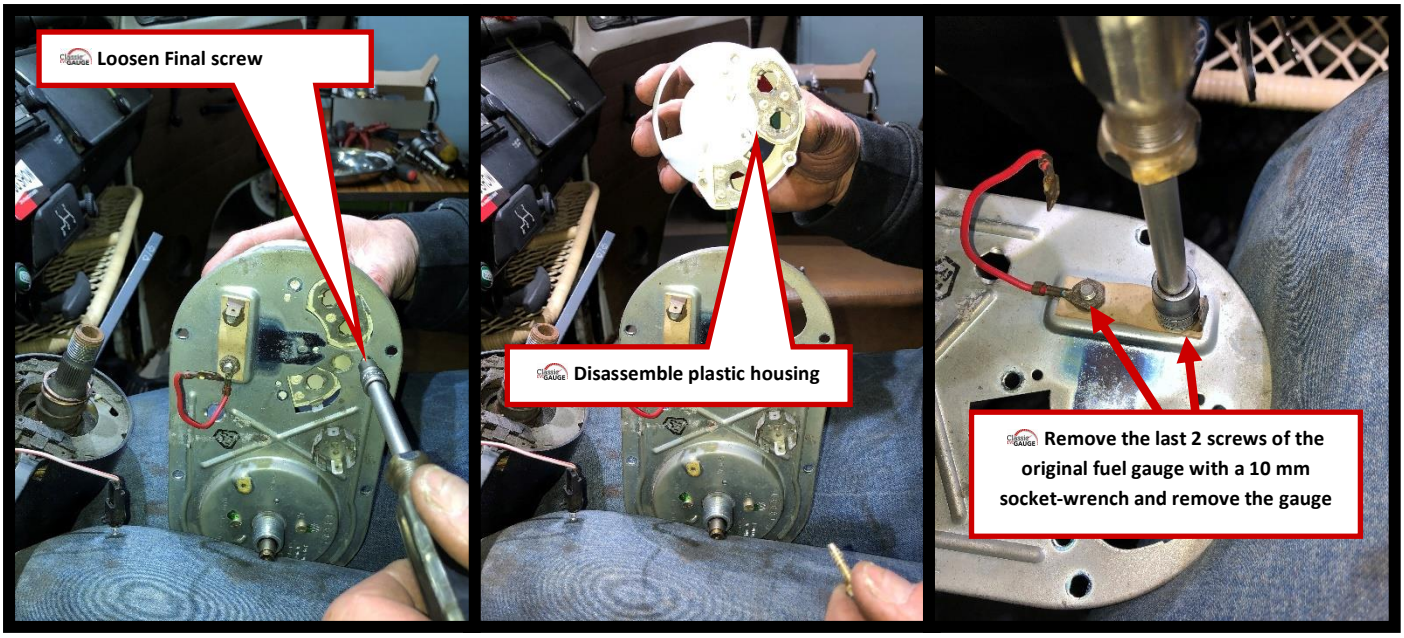

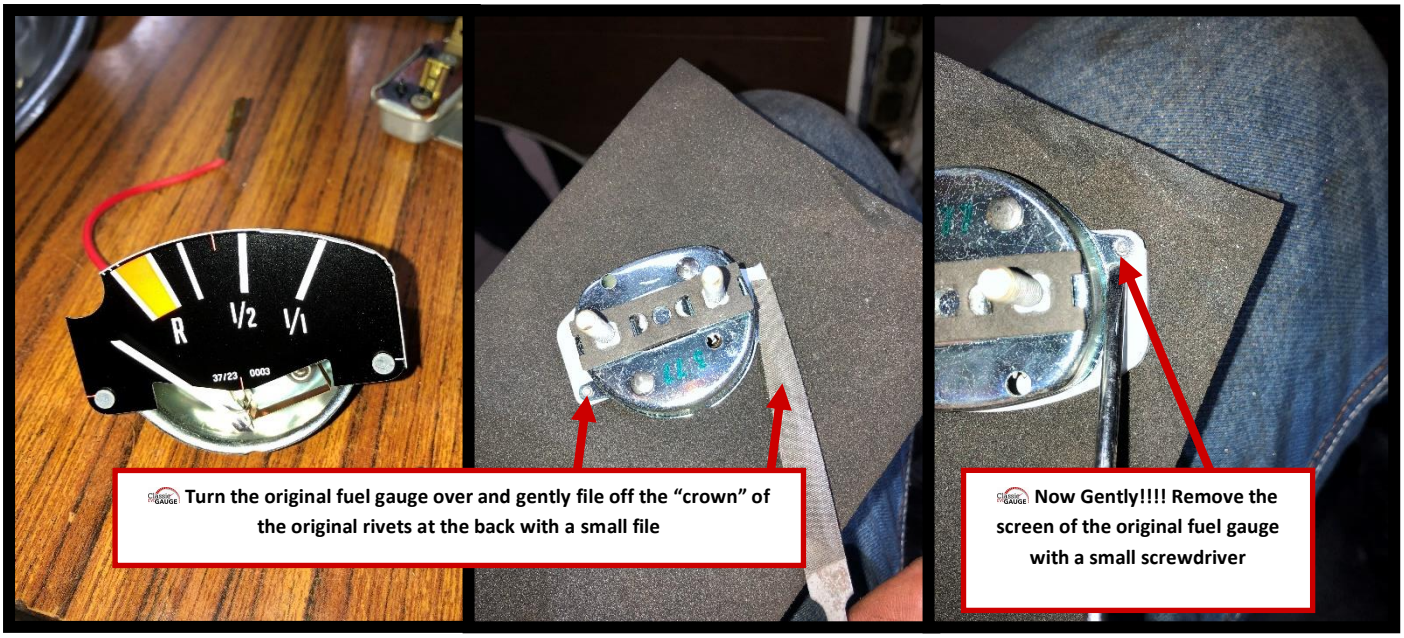

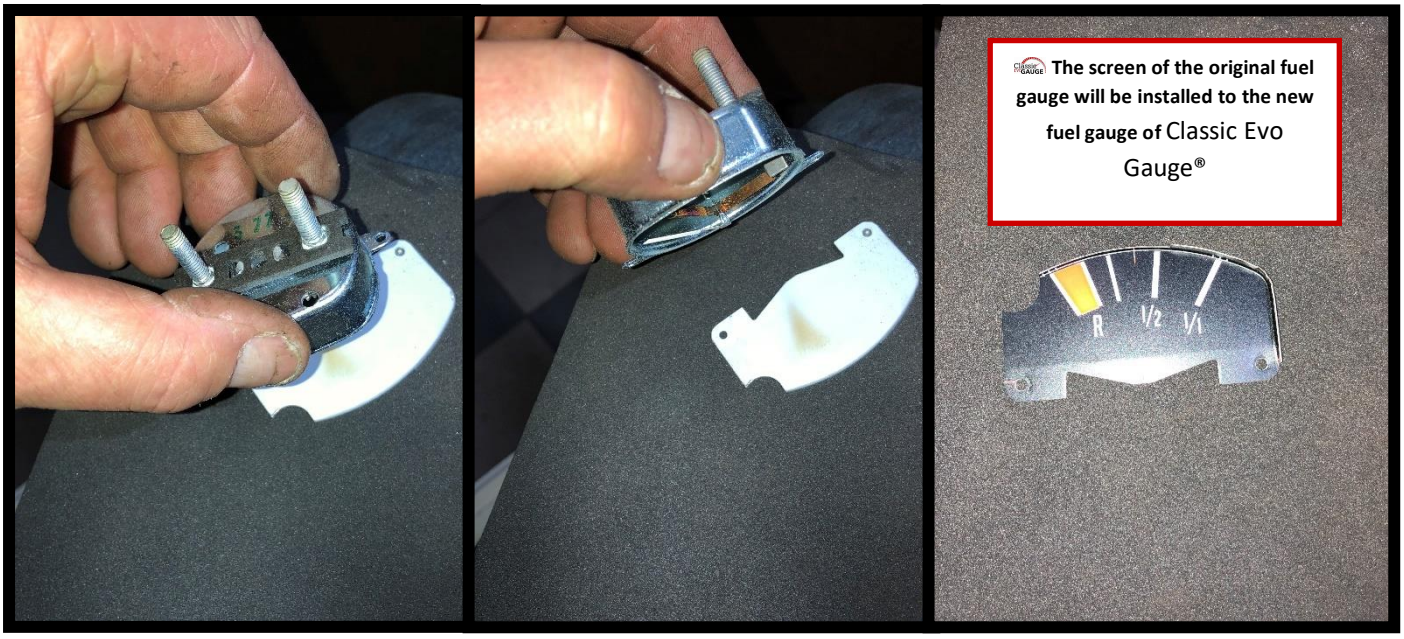

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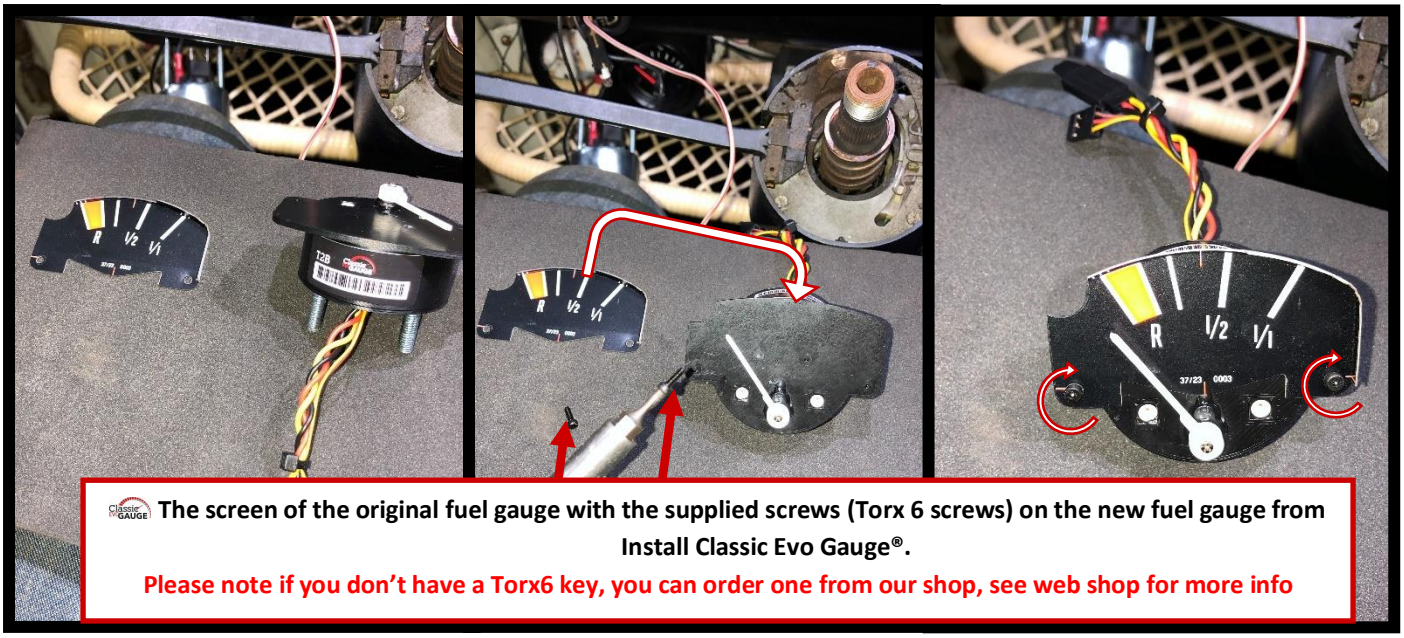
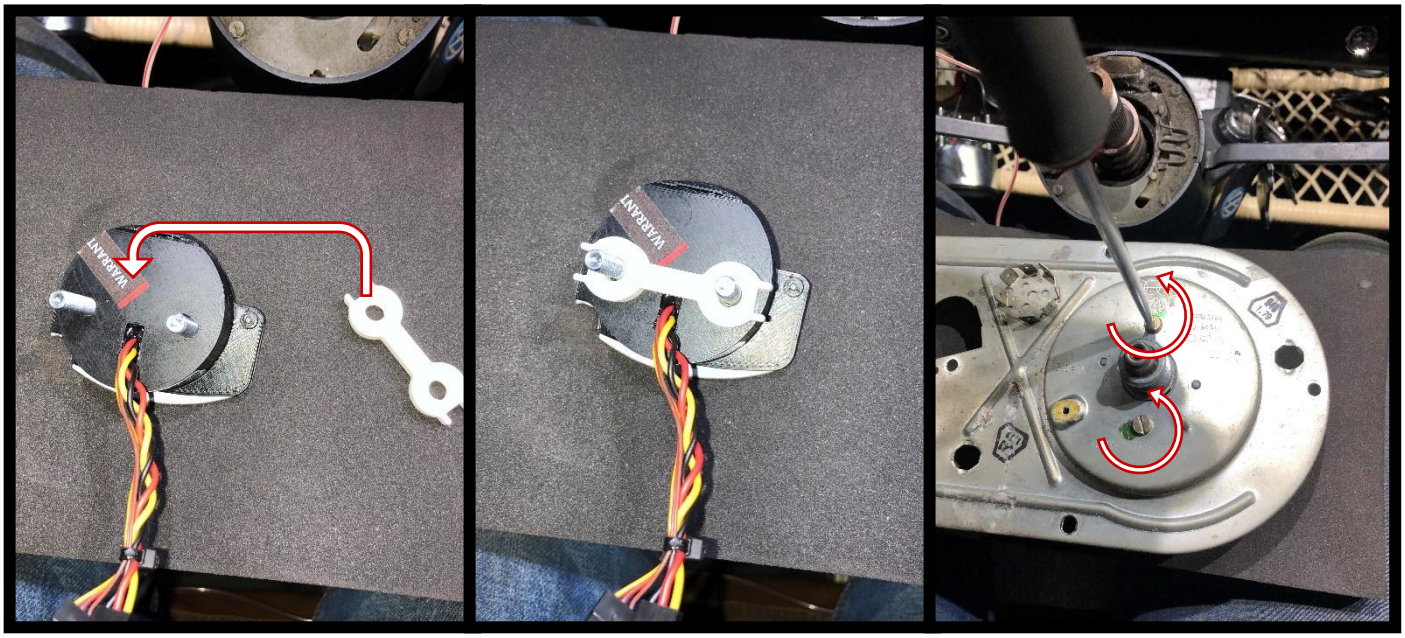
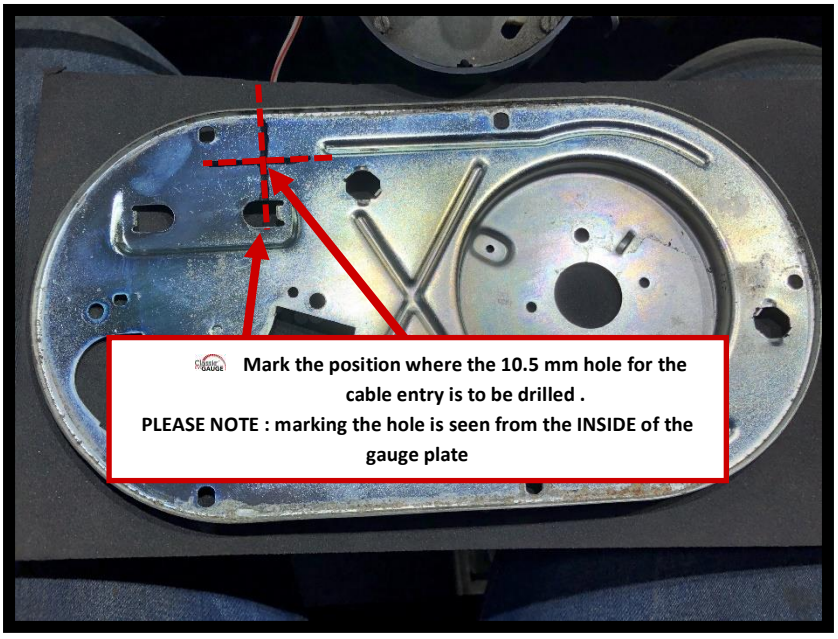


The screen of the original fuel gauge with the supplied screws (Torx 6 screws) on the new fuel gauge from Install Classic Evo Gauge®.

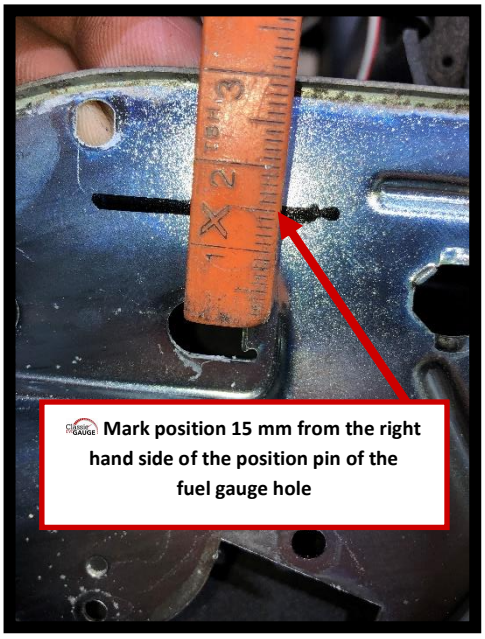
Please note if you don't have a Torx6 key, you can order one from our shop, see web shop for more info





Mark the position where the 10.5 mm hole for the cable entry is to be drilled .

PLEASE NOTE : marking the hole is seen from the INSIDE of the gauge plate



Mark position 15 mm from the right hand side of the position pin of the fuel gauge hole

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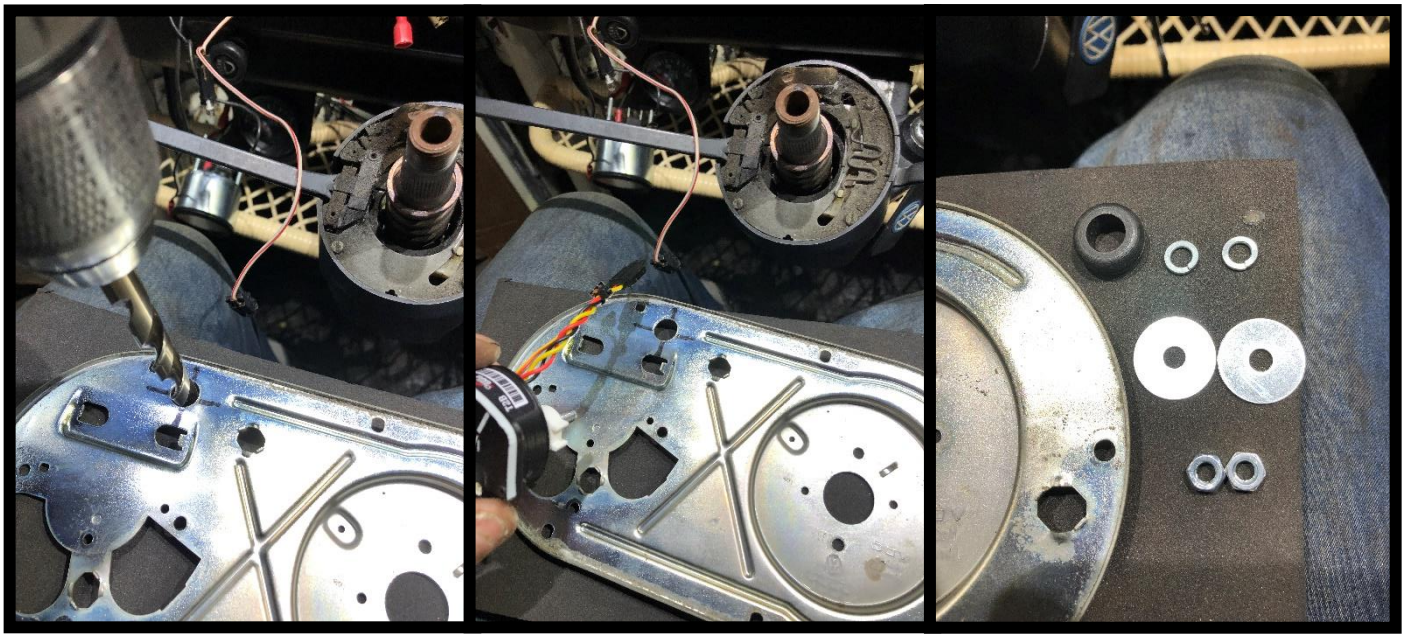

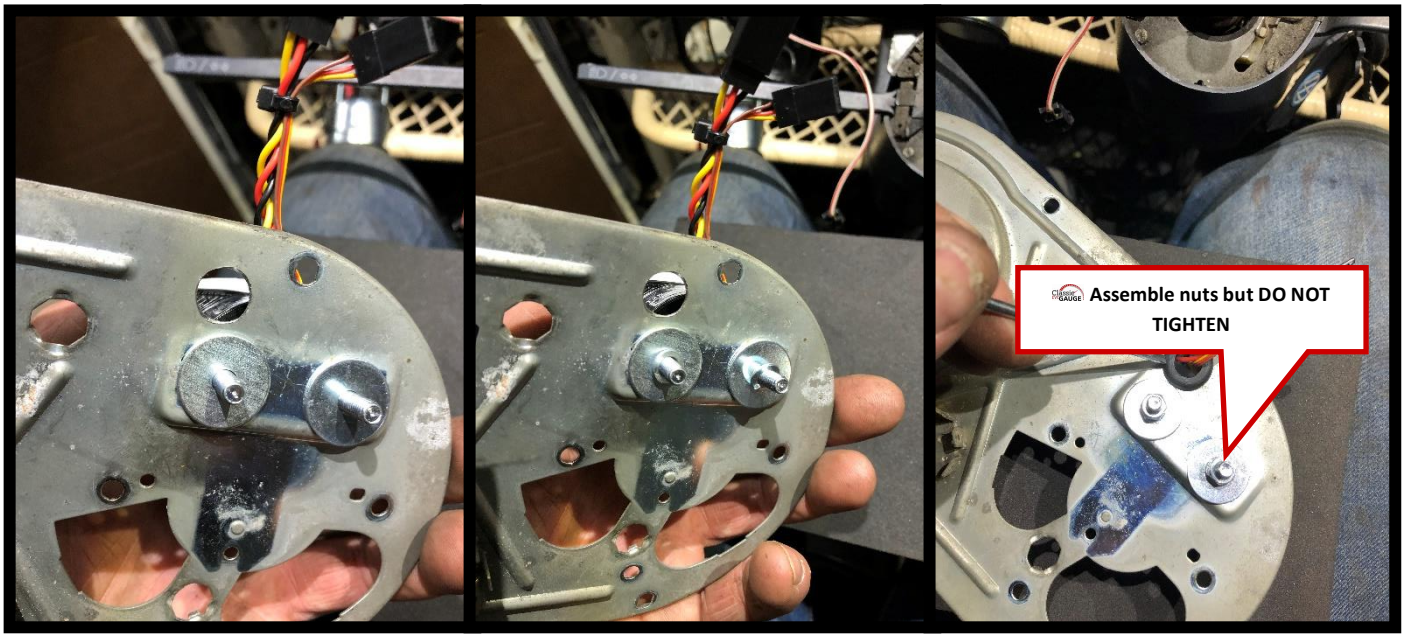

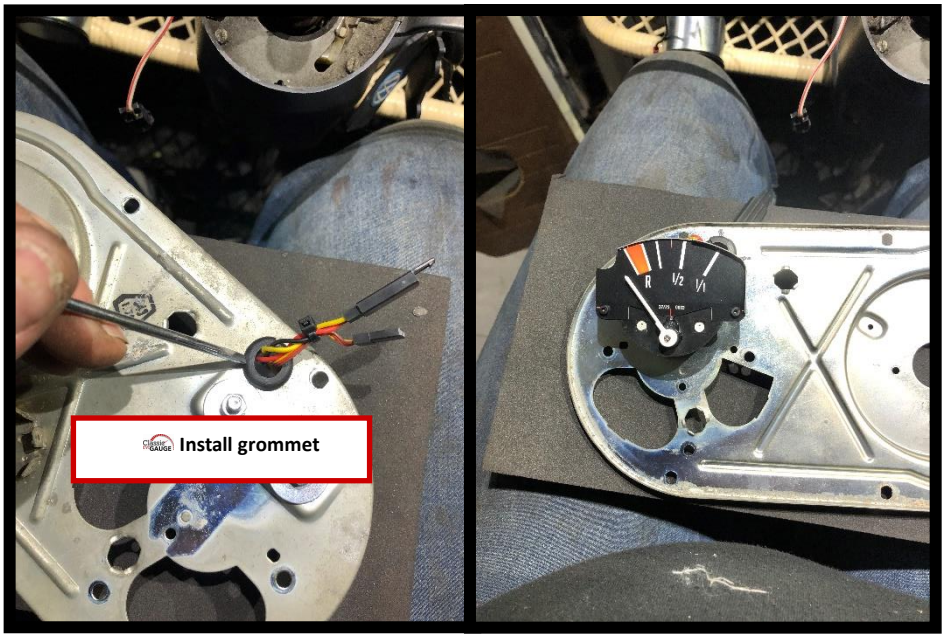

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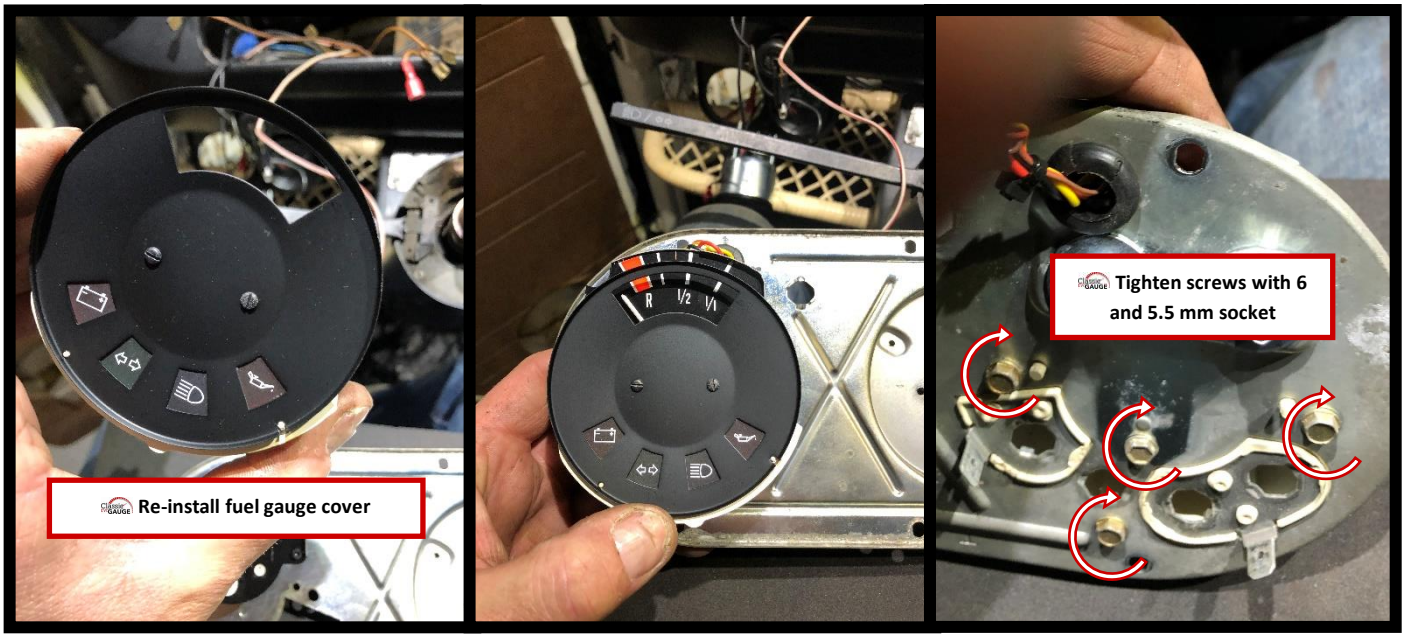

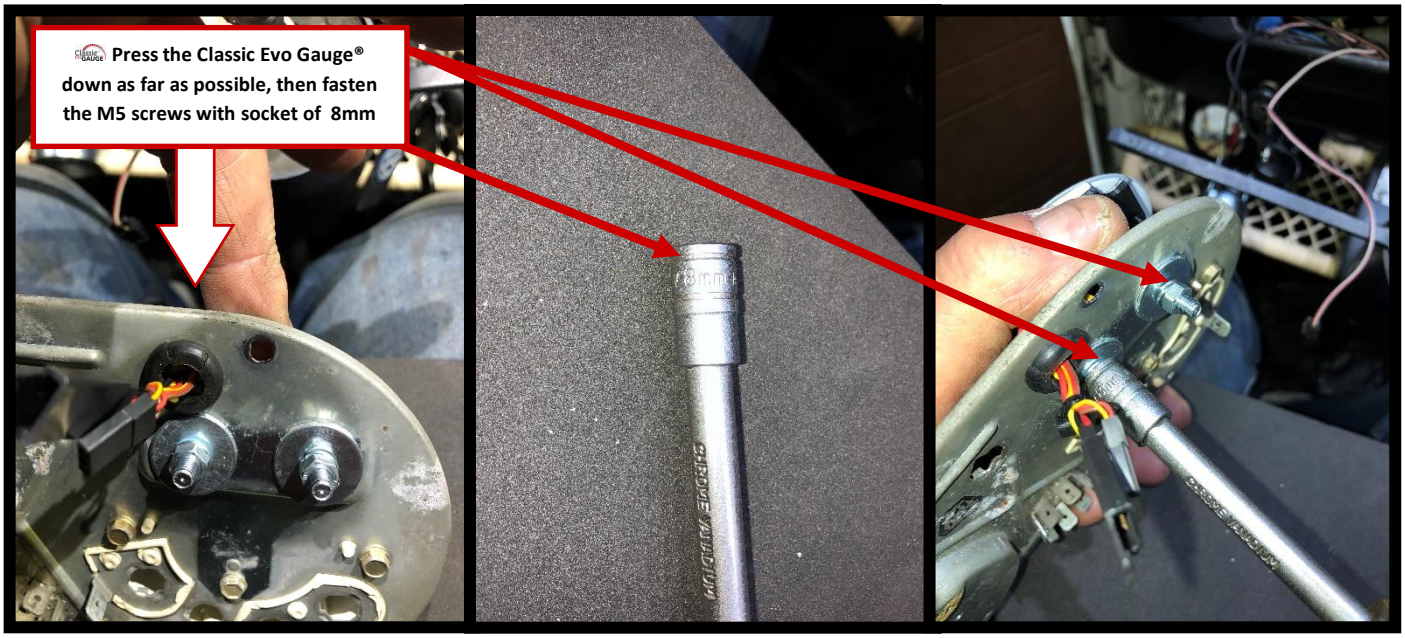

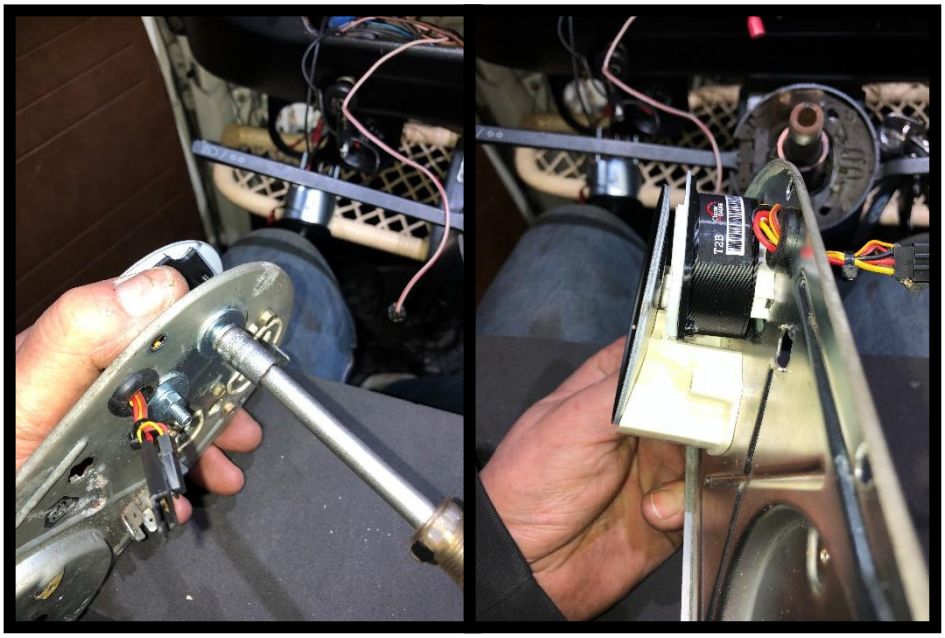

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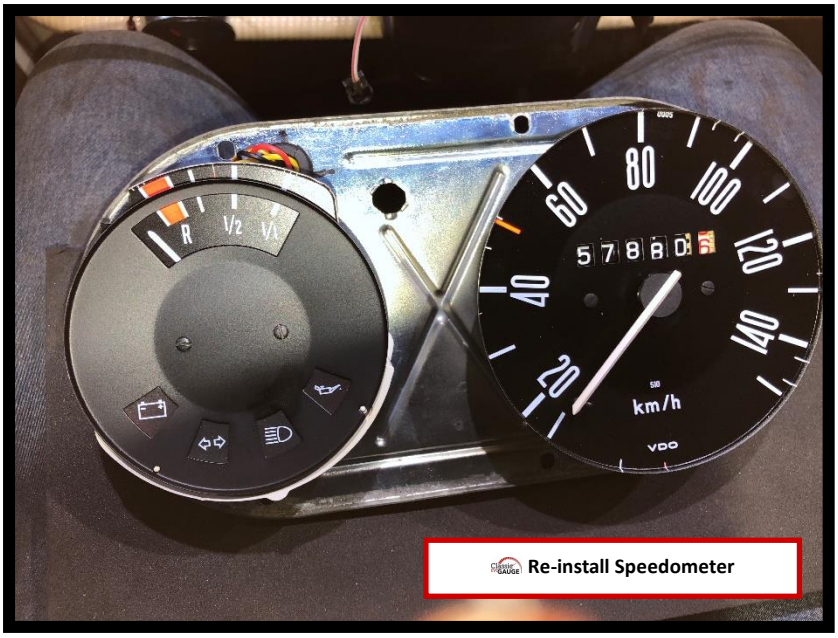

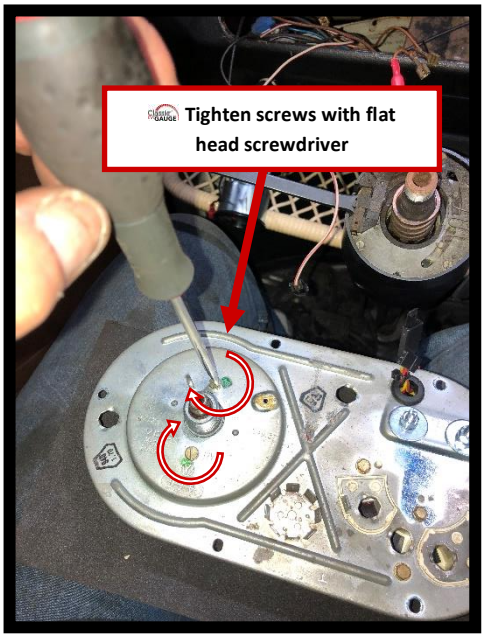

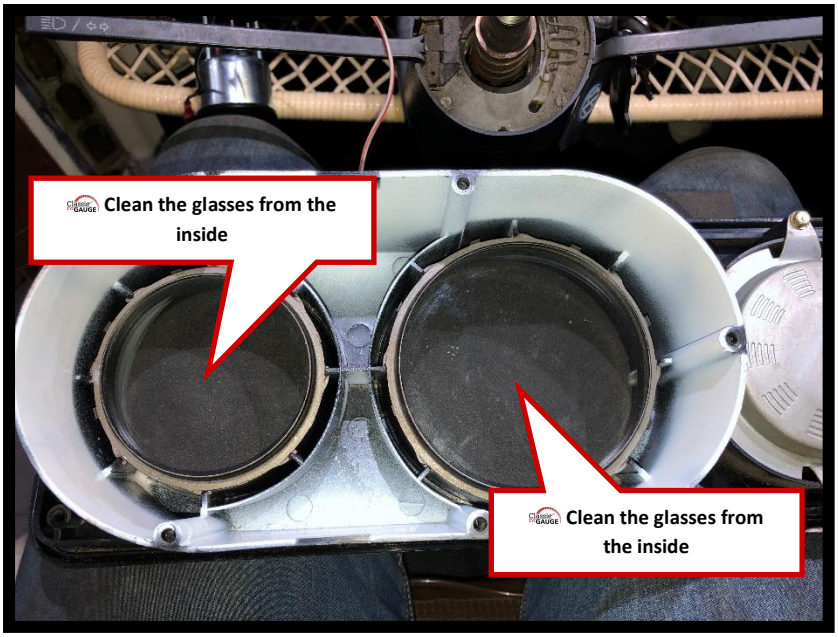

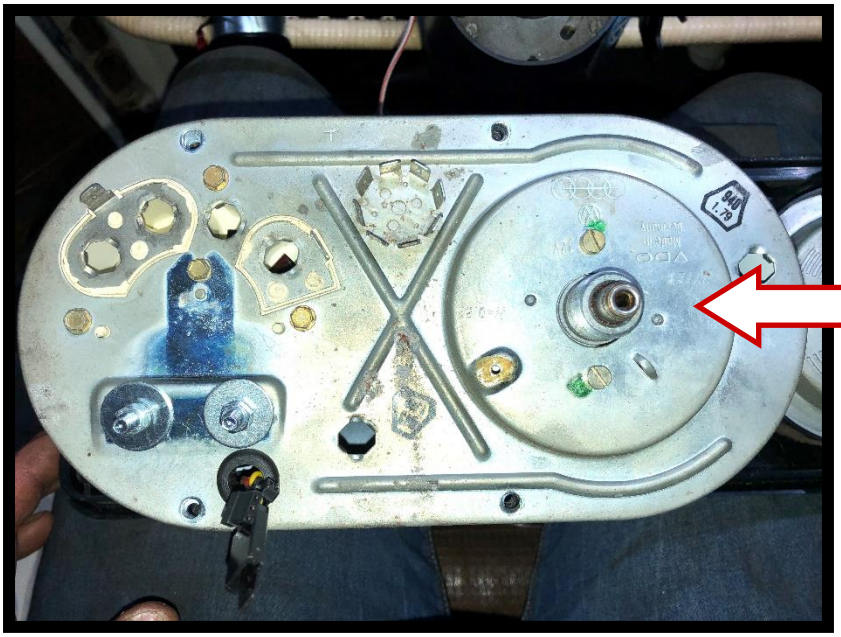

Re-install counter unit to the plastic housing

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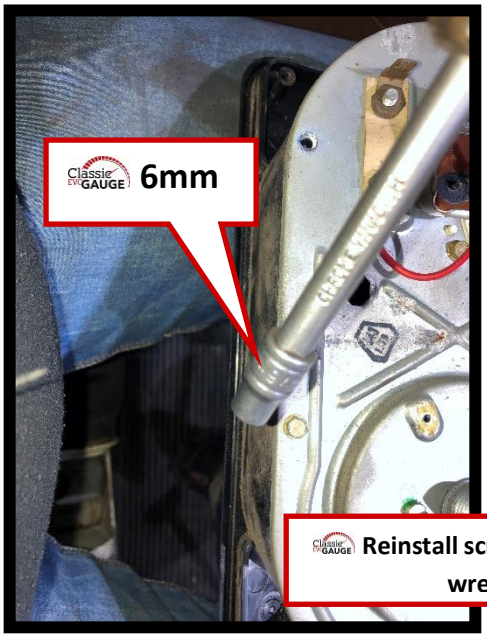

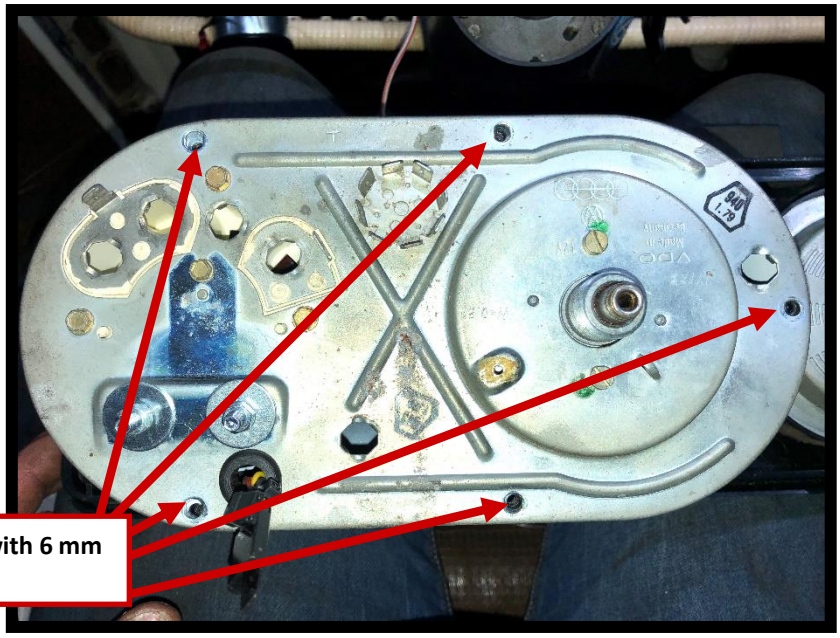

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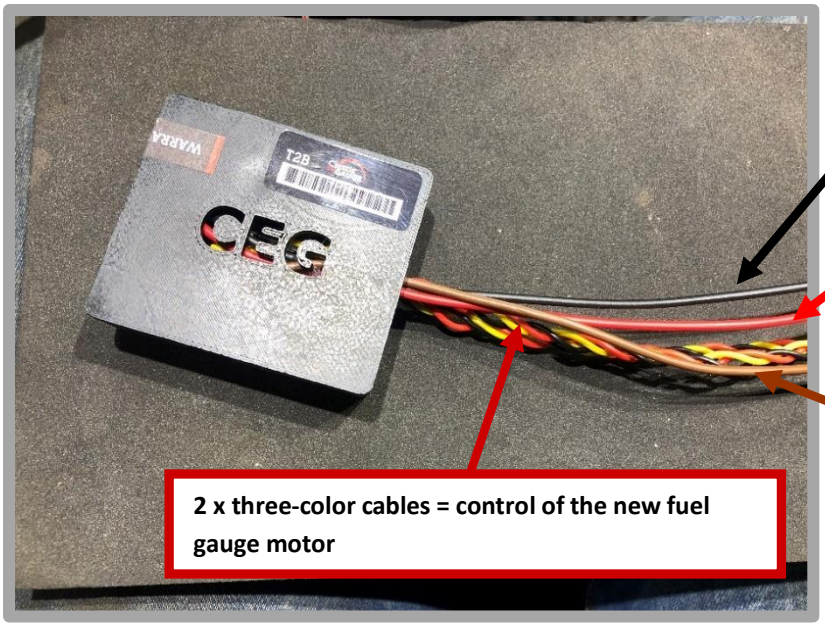
Chapter 2 : installing and connecting the electronics



Black cable = ground

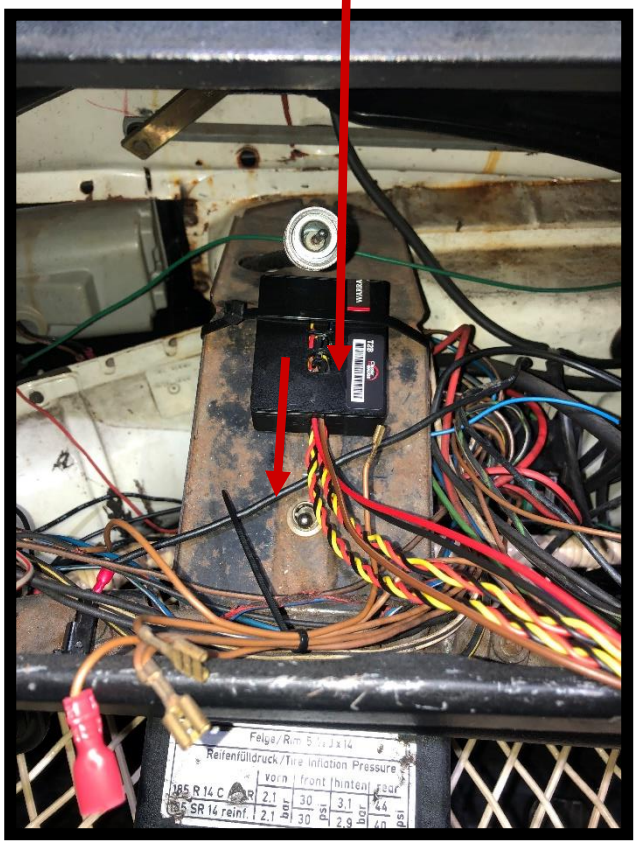
Red cable = contact switched +

Brown cable = the cable to the fuel gauge floater

2 x three-color cables = control of the new fuel gauge motor

Install the electronics box on the „bridge“ under the counter unit as far down as possible. ATTENTION: install the box in such a way that the Switches are accessible from the left for LHD vehicles and right for RHD vehicles

Take the supplied heat shrink tubing out of the packaging



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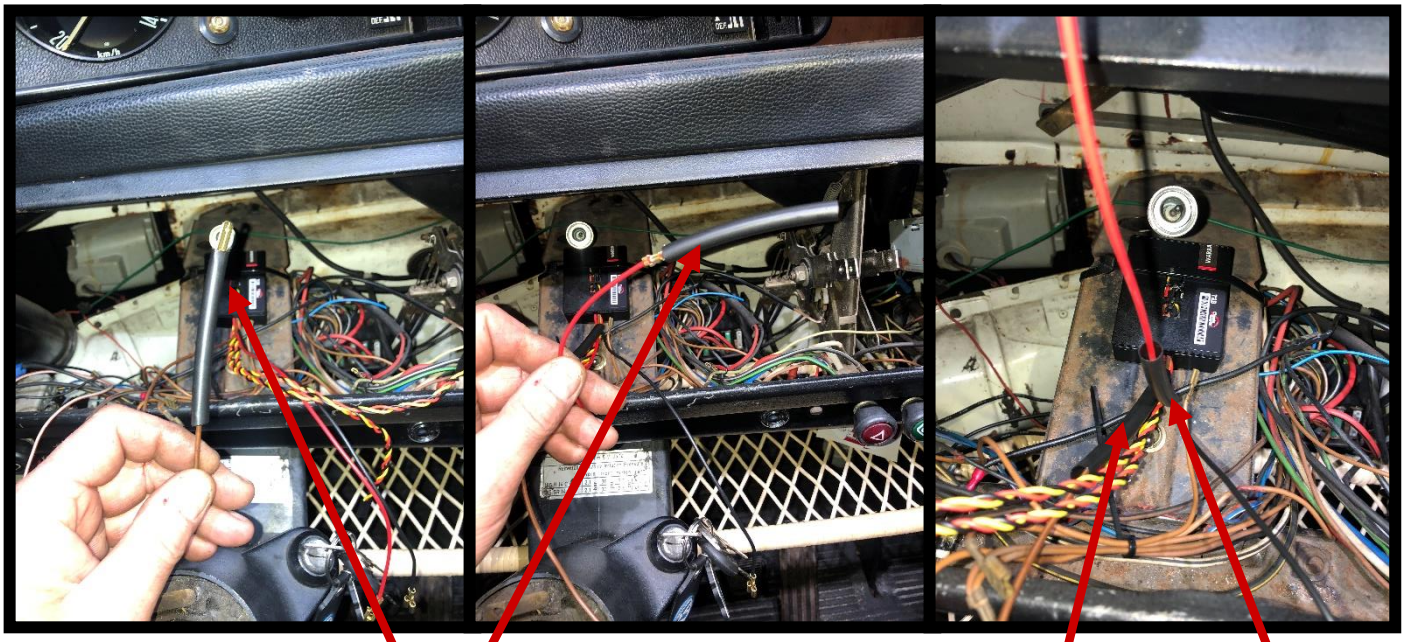
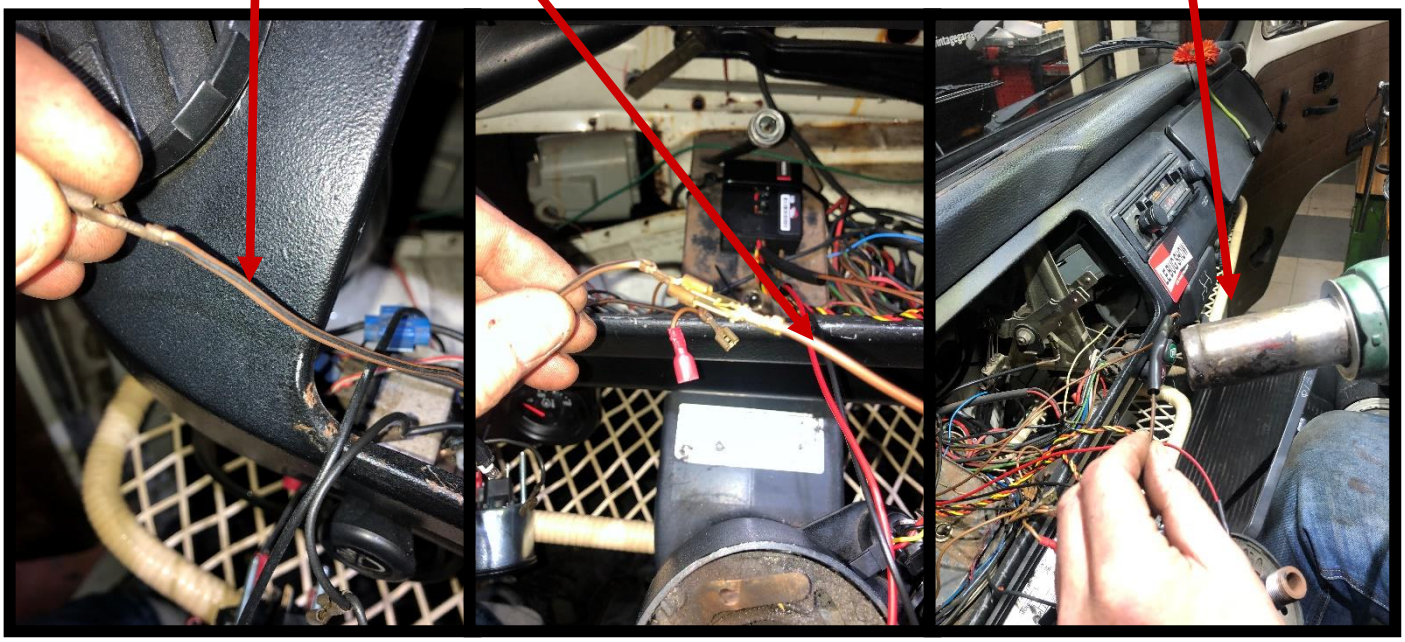


Slide the heat shrink tubing over both the Brown and Red cables of the Classic Evo

Connect the brown cable of the Classic Evo Gauge to the Brown/Black cable (this is the cable that goes from the float to the original gauge) of the car

Slide the heat shrink tube over the cable shoes so that it covers all bare parts and shrink the tube with a heat source such as a paint stripper, lighter or gas burner



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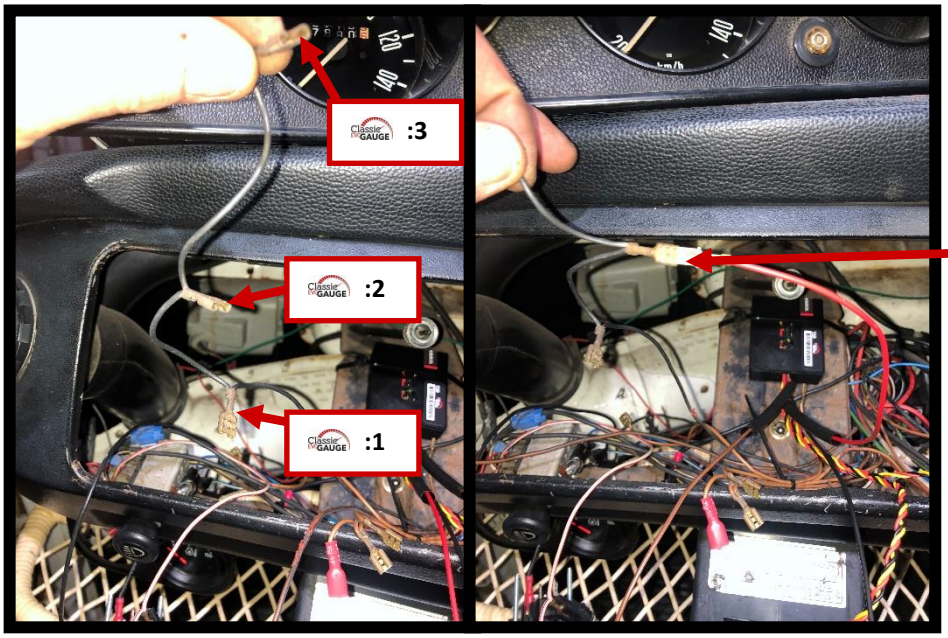
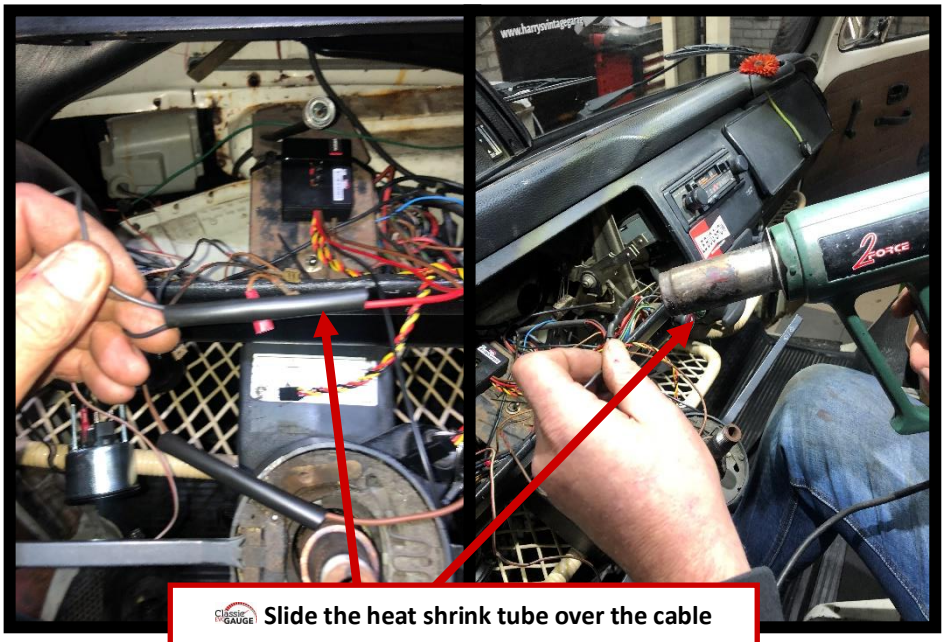


Connect the Red lead of the Classic Evo Gauge to the Black lead (this is the switched ignition + of the original gauge).

For correct installation, take the 2nd shoe on the original cable.



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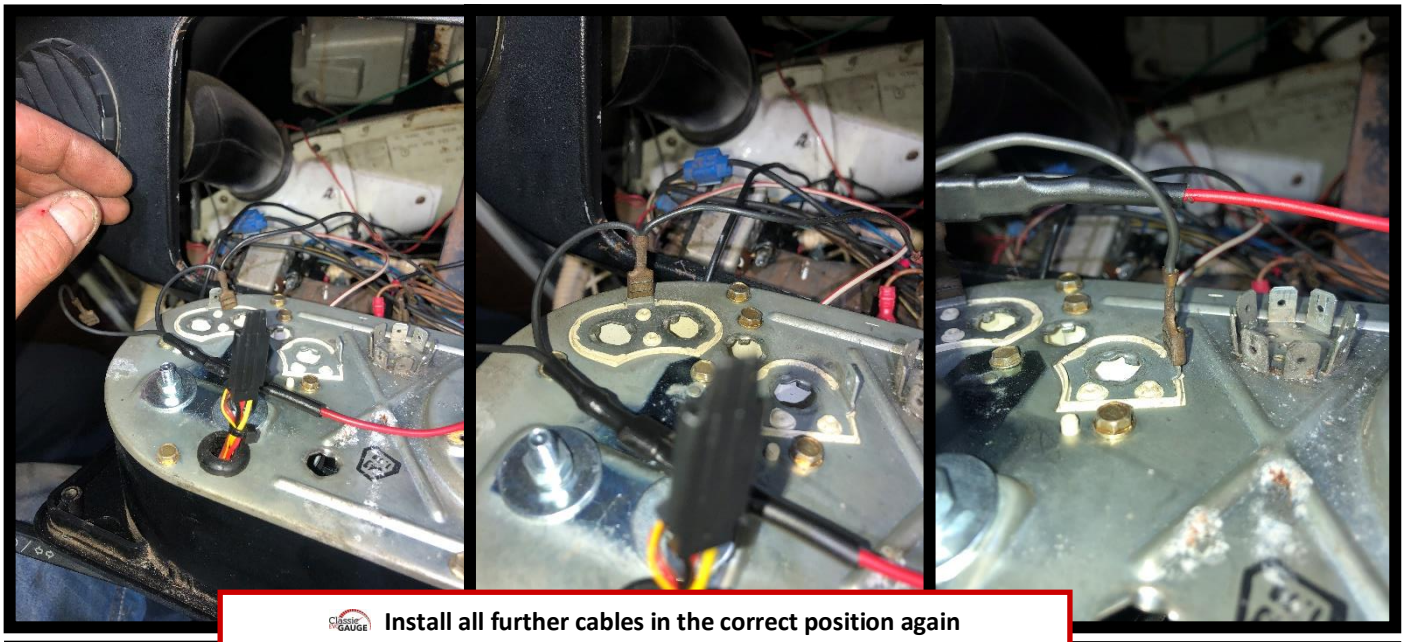
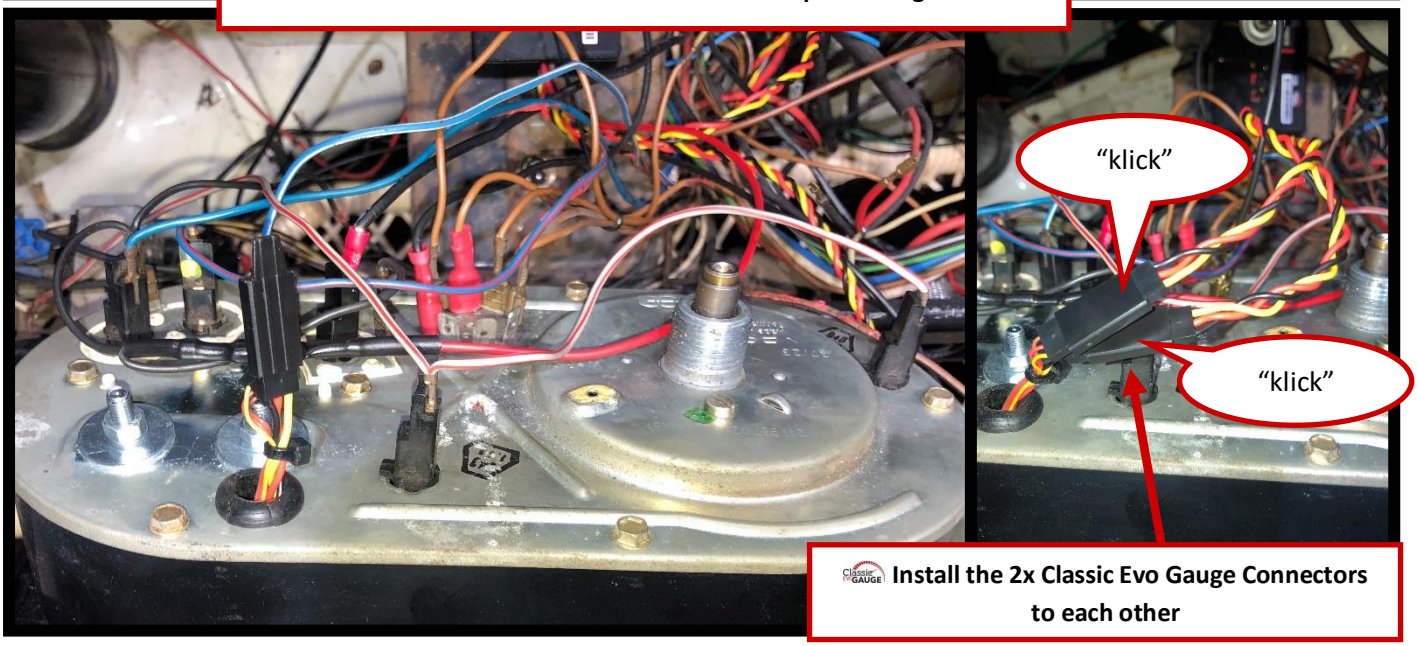
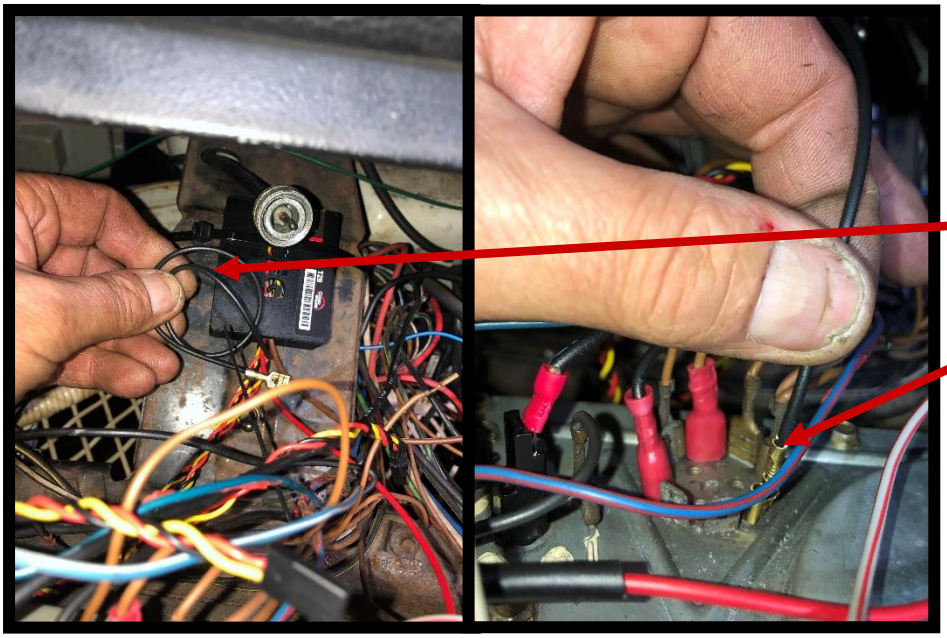


Install all further cables in the correct position again



Install the 2x Classic Evo Gauge Connectors to each other



Install the last black cable of the Classic Evo Gauge to the ground block at the back of the counter unit of the bus

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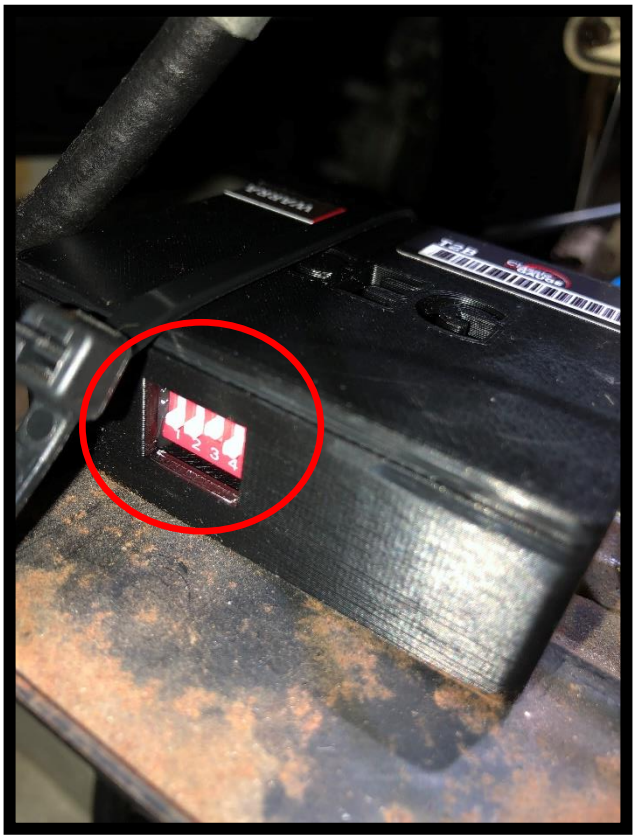
Programming first version of the CEG fuel gauge
Programmierung der erste version der CEG Tankanzeige
programmering van de eerste versie CEG brandstofmeter



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Chapter 3: Programming and calibration of C-E-G Fuel gauge on the existing tank float

Before programming, the battery terminal must be re-installed

Dip-switch : UP = ON , DOWN = OFF

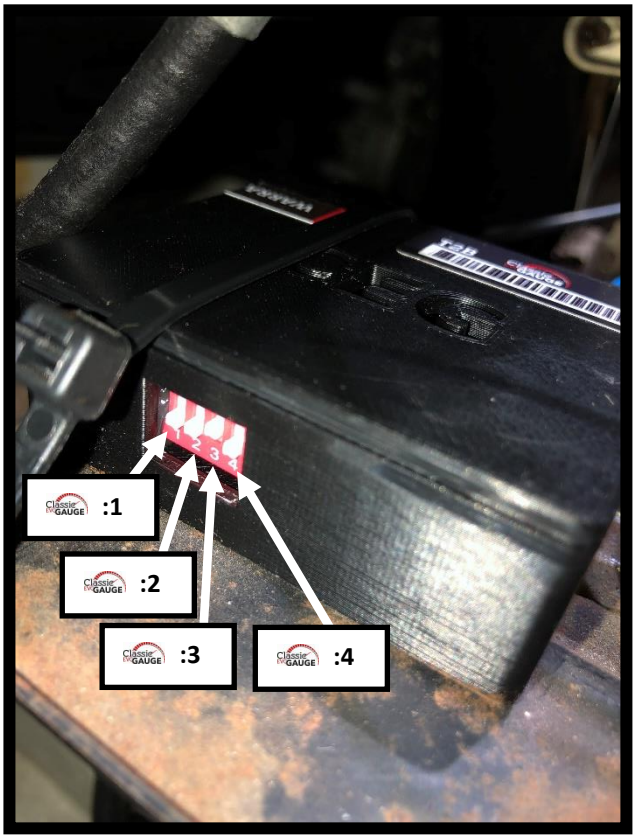
Dip-switch 1 : „ON“ =Run Program 1 with led on „brightness LOW“

Dip-switch 2 : „ON“ =Run Program 2 with led on „brightness HIGH“

Dip-switch 3 : „ON“ = Learning mode float for : „TANK EMPTY“!!!!

Dip-switch 4 : „ON“ = Learning mode float for : „TANK FULL“!!!!

ATTENTION !!!! : for correct functioning, only one Dip-switch may be set to position „ON“ at any time



START-UP

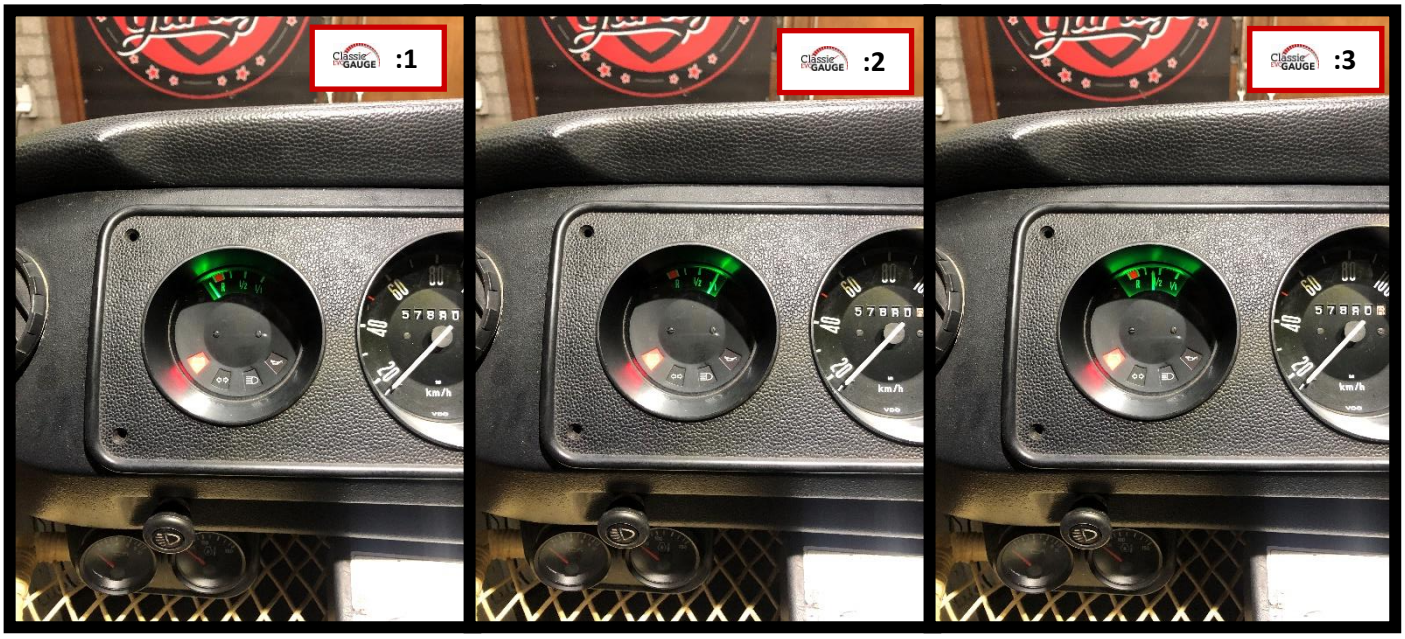
Start-up : Every time the car is switched on, the meter will complete its start-up phase, this goes as follows:

1: Pointer moves to the far left, followed by a led confirmation

2: then to the far right again followed by an LED confirmation.

3: Finally the pointer moves to the centre position followed by a double LED indication .. see below.

NOW the GREEN LED will go out, and the gauge pointer will move to the current fuel level (if programmed)



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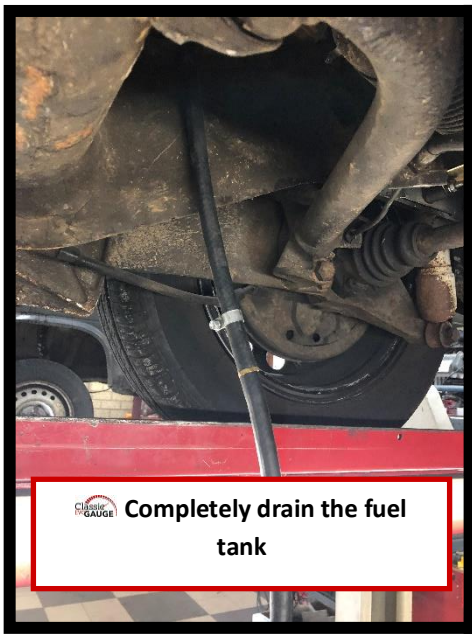
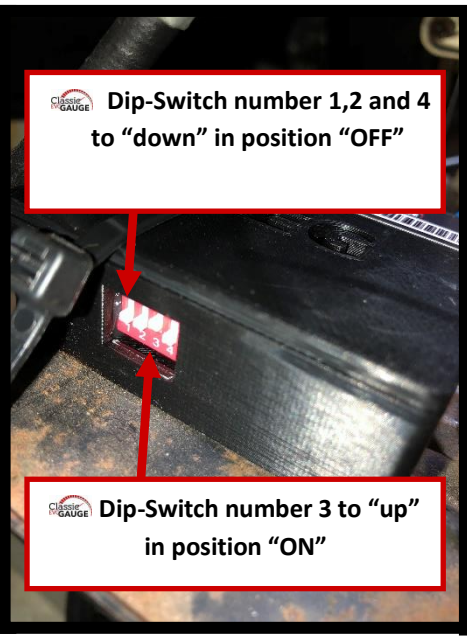
PROGRAMMING TANK POSITION "EMPTY"

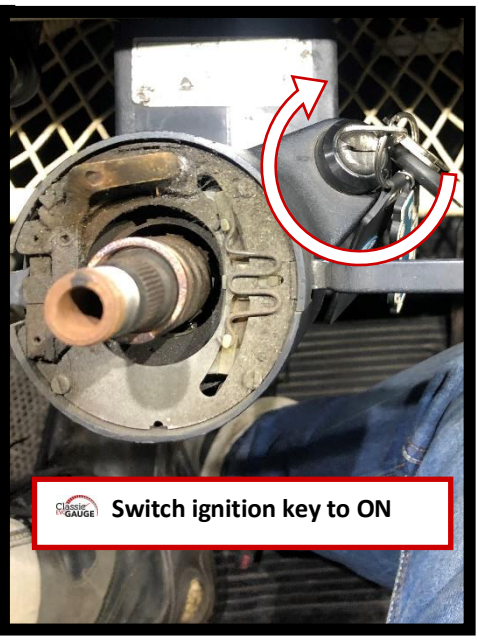


Completely drain the fuel tank

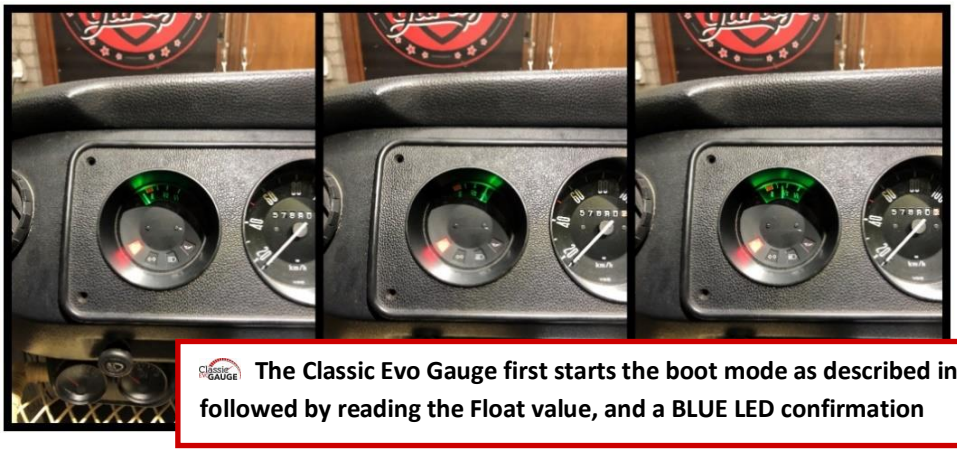


Dip-Switch number 1,2 and 4 to “down” in position “OFF”

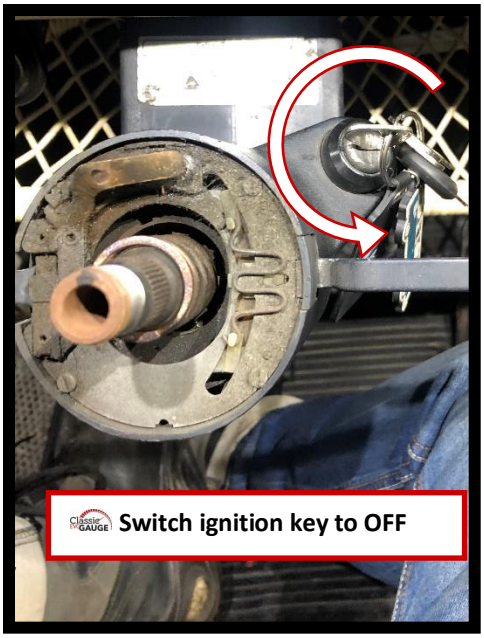
Dip-Switch number 3 to “up” in position “ON”



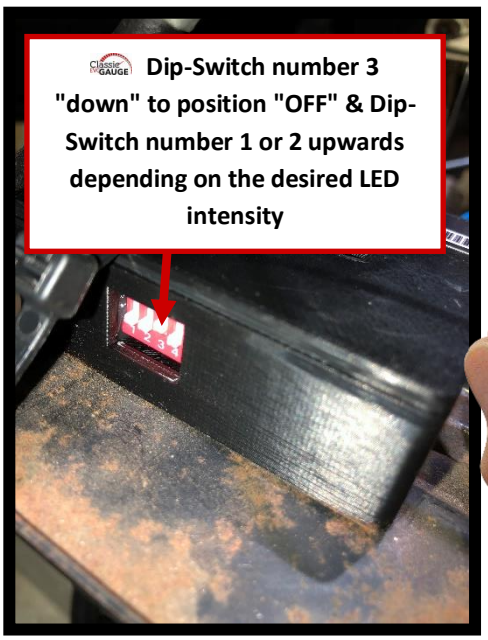
Switch ignition key to ON



The Classic Evo Gauge first starts the boot mode as described in the previous page, followed by reading the Float value, and a BLUE LED confirmation



Switch ignition key to OFF



Dip-Switch number 3 "down" to position "OFF" & Dip-Switch number 1 or 2 upwards depending on the desired LED intensity

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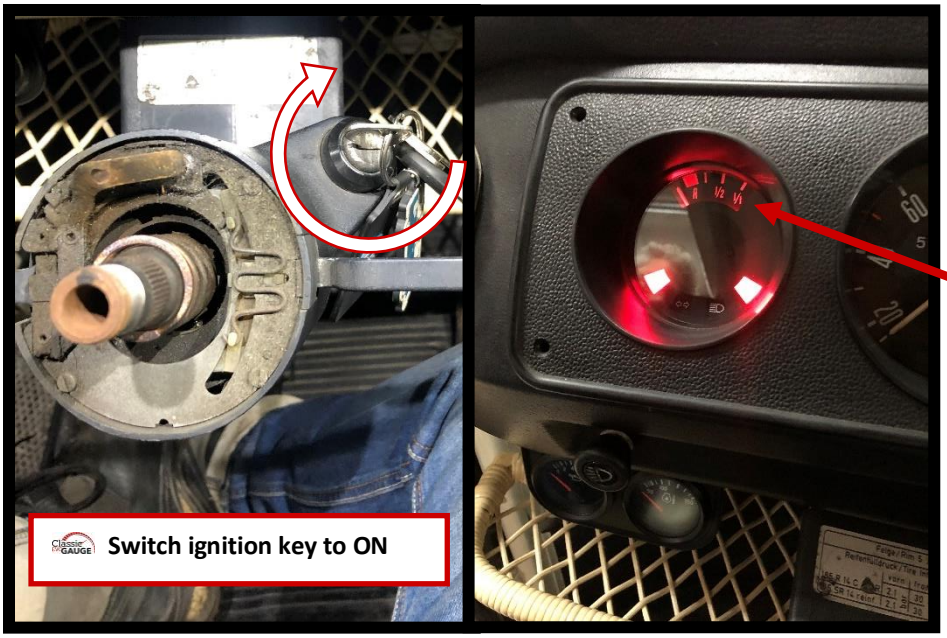
FILL FROM "EMPTY" POSITION + EXPLANATION RESERVE



The Classic Evo Gauge works through the boot mode as previously described.
With an Empty Tank (the end of the reserve) the face of the Classic Evo Gauge will glow Bright Red, and during filling the entire reserve the face of the Classic Evo Gauge will become

The dial of the Classic Evo Gauge will be orange the entire reserve

If the meter runs out of reserve, the dial of the Classic Evo Gauge will no longer give a LED indication

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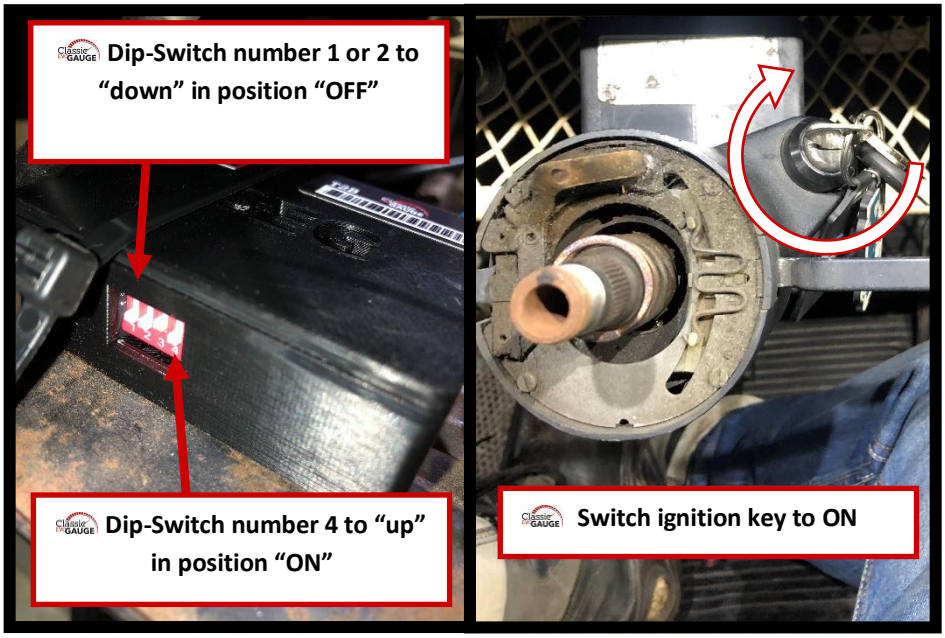
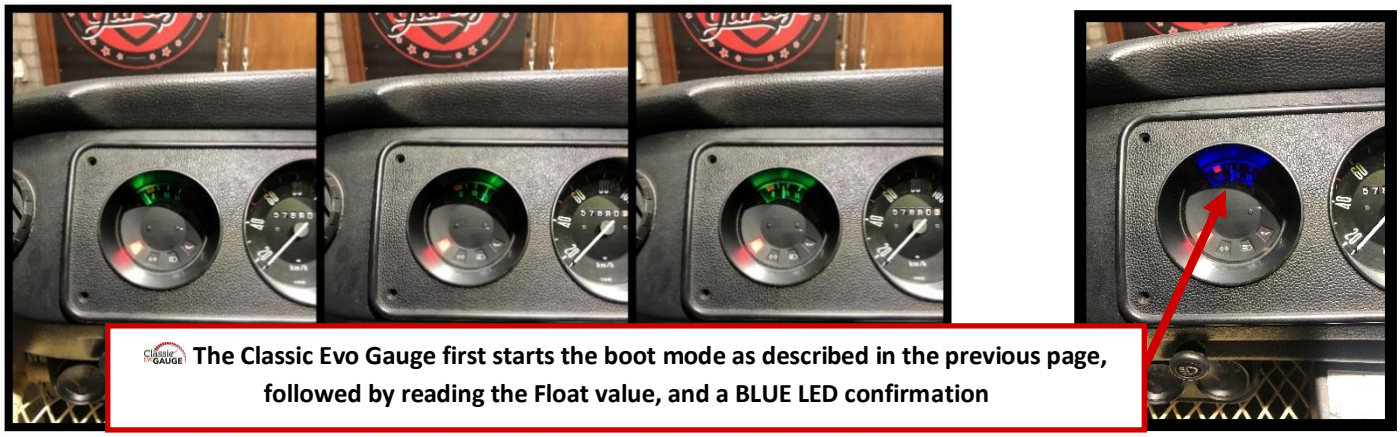
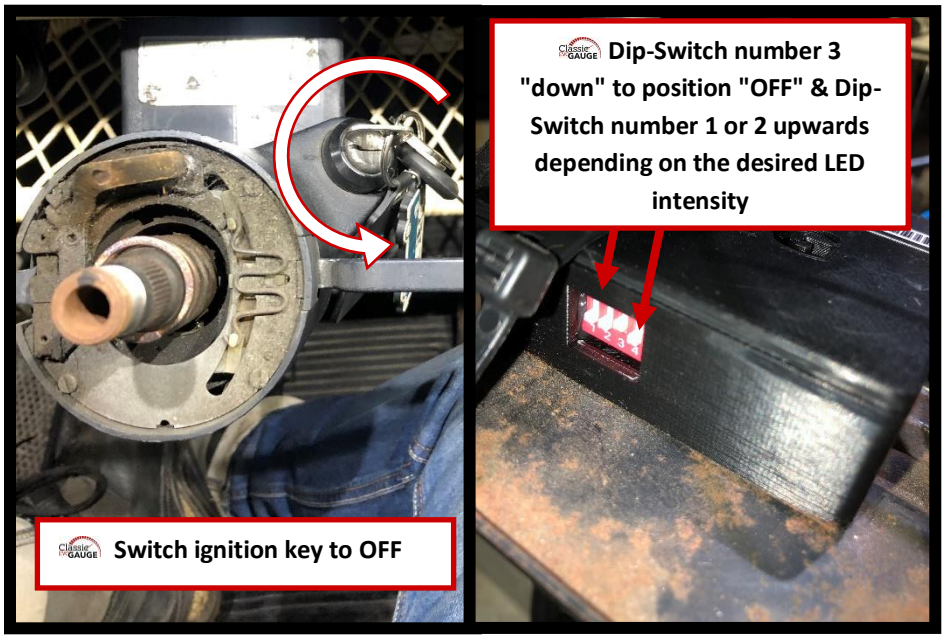
PROGRAMMING TANK POSITION „FULL“ !!!

In the Classic Evo Gauge , has a "base value" for mode "Tank Full" pre-programmed .this should be near to the correct full value.

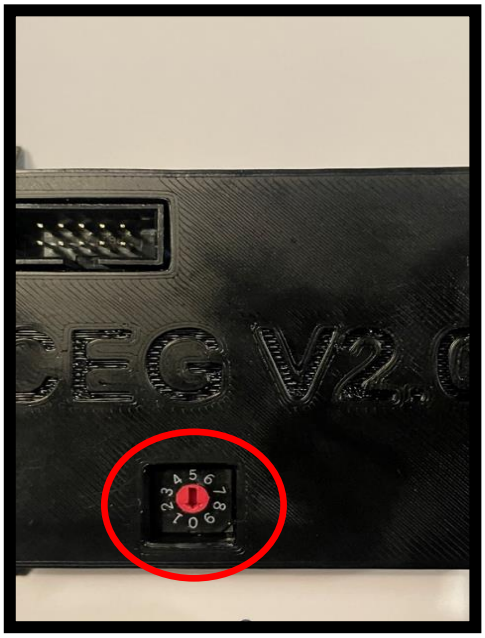
At a next refuelling, „TANK FULL“ can still be read in, see below how:







Programming V2.0 version of the CEG fuel gauge
Programmierung der V2.0 version der CEG Tankanzeige
programmering van de V2.0 versie CEG brandstofmeter



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programming of the fuel gauge in the dashboard
Programmierung der Tankanzeige im Armaturenbrett
programmering van de brandstofmeter in het dashboard

-Move Gauge needle
-Tankuhr Nadel bewegen
- Beweeg tankmeternaald

Enter Button

-Move Gauge needle
-Tankuhr Nadel bewegen
- Beweeg tankmeternaald

1. Running mode T2A & T2B
2. Running mode Beetle
3. Calibration reserve on meter (gauge)
4. Calibration tank empty on meter (gauge)
5. Calibration tank full on meter (gauge)
6. Calibration Tank 2 empty (sender)
7. Calibration Tank 2 full (sender)
8. Calibration Tank 1 empty (sender)
9. Calibration Tank 1 full (sender

1. Laufmodus T2A & T2B
2. Laufmodus Käfer
3. Kalibrier Reserve auf Tankuhr
4. Kalibrier tank leer auf Tankuhr
5. Kalibrier tank voll auf Tankuhr
6. Kalibrier tank 2 leer (Tankschwimmer)
7. Kalibrier tank 2 voll (Tankschwimmer)
8. Kalibrier tank 1 leer (Tankschwimmer)
9. Kalibrier tank 1 voll (Tankschwimmer)

1. Running modus T2A & T2B
2. Running modus Kever
3. Kalibratie reserve op meter
4. Kalibratie tank leeg op meter
5. Kalibratie tank vol op meter
6. Kalibratie Tank 2 leeg (vlotter)
7. Kalibratie Tank 2 vol op (vlotter)
8. Kalibratie Tank 1 leeg (vlotter)
9. Kalibratie Tank 1 vol (vlotter)

- Door het drukken op de bovenste of onderste knop zal de tanknaald of naar links of naar rechts bewegen
- By pressing the upper or lower button, the tank needle will move either to the left or to the right
- Durch Drücken der oberen oder unteren Taste bewegt sich die Tanknadel entweder nach links oder nach rechts

Adjusting the needle in the Fuel gauge

Step 1 : Turn the Rotary switch to the desired setting
Step 2: Use the upper or lower buttons to move the needle of the Fuel gauge to the correct position (Tank empty, full or reserve)
Step 3: Confirm the setting with the middle (Enter) button in the correct position (led signal will confirm setting storage)

Einstellen des Zeigers im Tankuhr

Schritt 1: Drehen Sie den Rotary Switch auf die gewünschte Einstellung
Schritt 2: Bewegen Sie den Zeiger der Tankanzeige mit den oberen oder unteren Tasten in die richtige Position (Tank leer, voll oder Reserve).
Schritt 3: Bestätigen Sie die Einstellung mit der mittleren (Enter)-Taste in der richtigen Position(LED-Signal bestätigt die Einstellungsspeicherung)

Afstellen van de wijzer in de teller

Stap 1 : Draai de Rotary switch naar de gewenste instelling
Stap 2: breng de wijzer van de tankmeter met de bovenste of onderste knoppen naar de juiste positie (Tank leeg , vol of reserve)
Stap 3: bevestig de instelling met de middelste (Enter) button de juiste positie (led-signaal bevestigt instellingsopslag)

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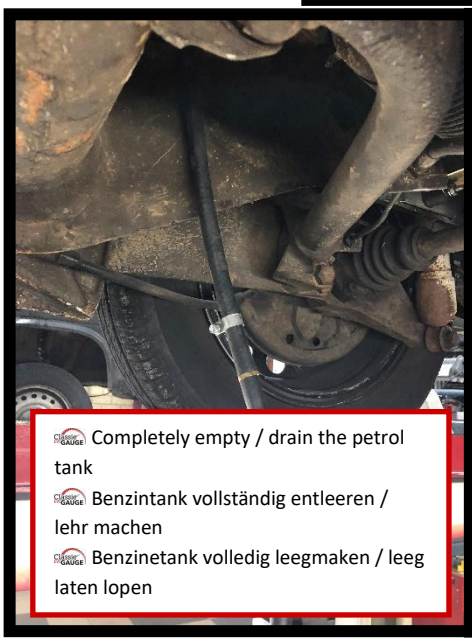
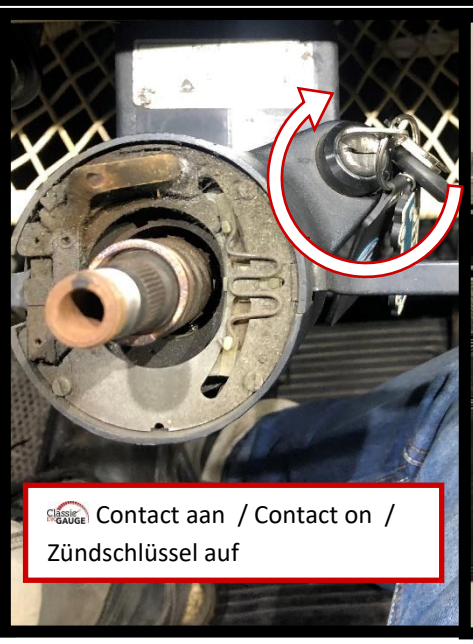
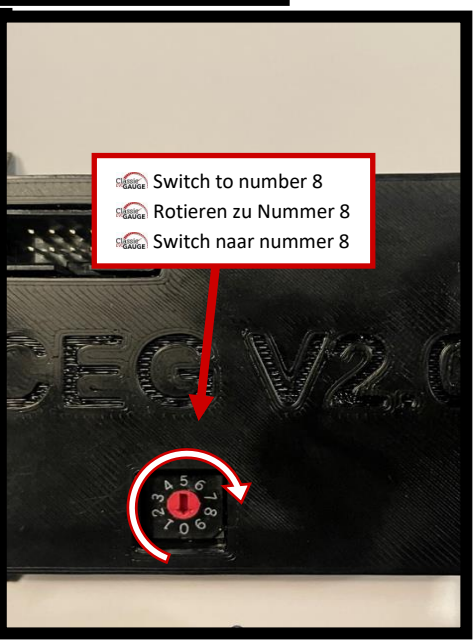
PROGRAMMING „EMPTY“ TANK
PROGRAMMIEREN LEHREN TANK
PROGRAMMEREN TANKSTAND „LEEG“ !!!



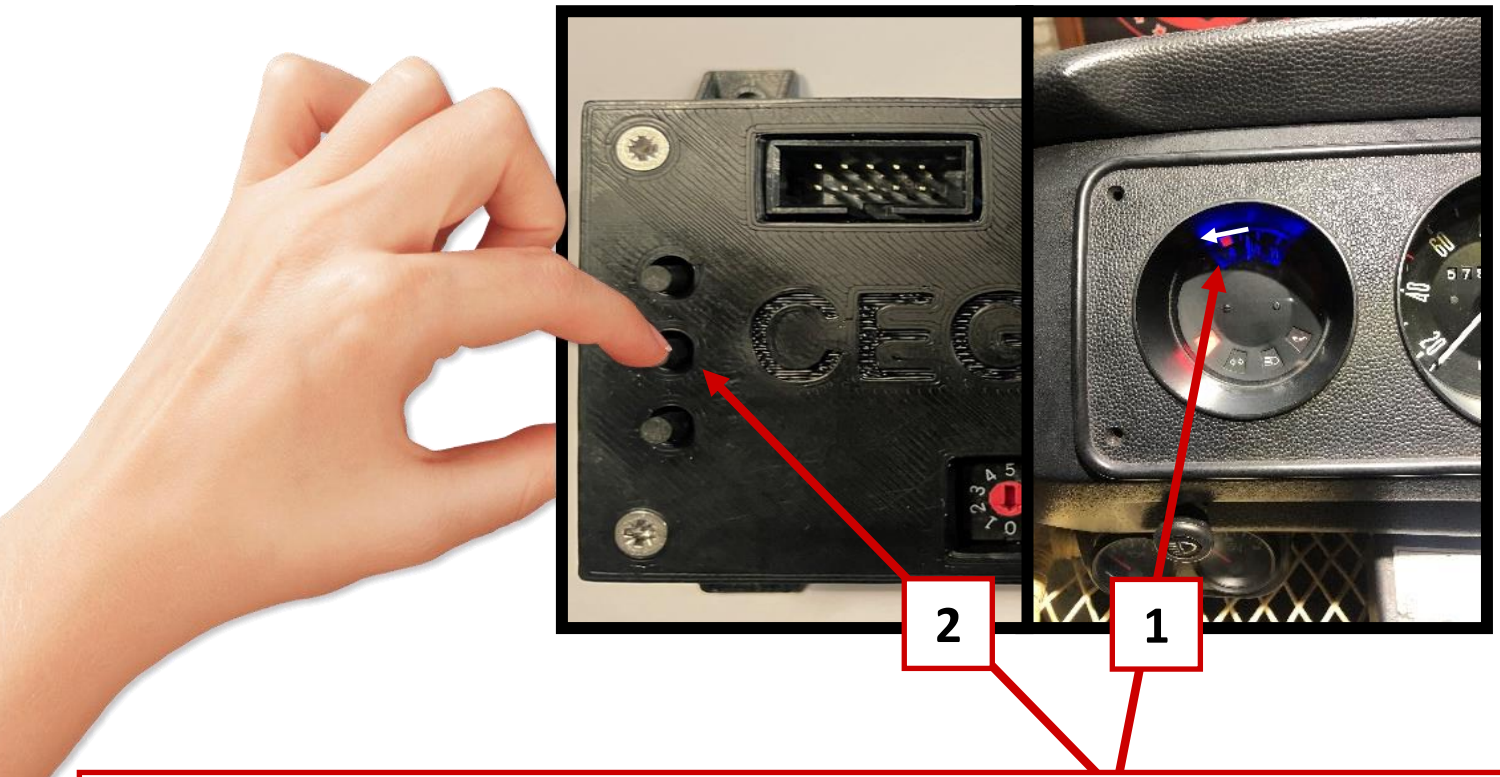
Completely empty / drain the petrol tank
Benzintank vollständig entleeren / lehr machen
Benzinetank volledig leegmaken / leeg laten lopen



Contact aan / Contact on / Zündschlüssel auf



Switch to number 8
Rotieren zu Nummer 8
Switch naar nummer 8



Wait until the needle is at the position of the “Empty tank” and confirm the empty tank with the button in the middle (led signal will confirm setting storage)

Warten bis sich die Nadel in der „Tank Lehr“ Position befindet danach den leeren Tank bestätigen mit der Taste in der Mitte (LED-Signal bestätigt die Speicherung der Einstellung)

Wacht tot de naald op de positie van "Lege tank" staat en bevestig de lege tank met de knop in het midden (led-signaal bevestigt instelling opslag)

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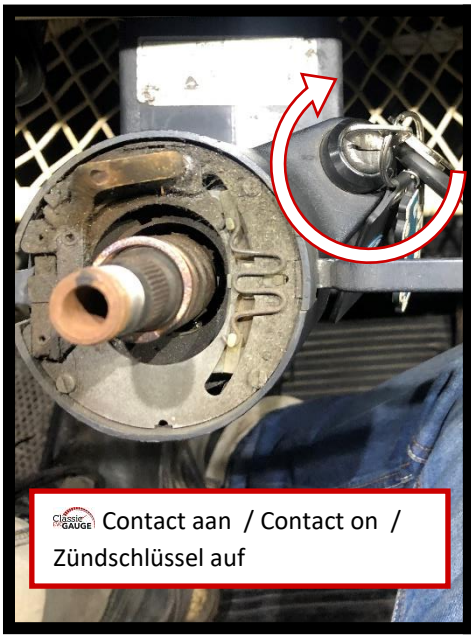
FILLING TANK FROM "EMPTY" POSITION & EXPLANATION RESERVE
TANK BEFÜLLEN VON DER „LEEREN" POSITION & ERKLÄRUNGSRESERVE
VULLEN VANAF STAND „LEEG" & UITLEG RESERVE



Contact aan / Contact on / Zündschlüssel auf

With an Empty Tank, the dial of the Classic Evo Gauge will light up Bright Red

Bei leerem Tank leuchtet das Zifferblatt der Classic Evo-Anzeige hellrot

Bij een Lege Tank zal de wijzerplaat van de Classic Evo Gauge Fel Rood oplichten

The entire reserve will be the dial of the Classic Evo Gauge orange /red

Die gesamte Reserve wird das Zifferblatt der Classic Evo Gauge orange/rot sein

De gehele reserve zal de wijzerplaat van de Classic Evo Gauge oranje/rood zijn

If the meter runs out of reserve, the dial of the Classic Evo Gauge will NO longer give an LED indication

Loopt de meter uit de reserve zal de wijzerplaat van de Classic Evo Gauge GEEN Led indicatie meer geven

Wenn die anzeiger aus den reserve lauft, gibt das Zifferblatt des Classic Evo Gauge KEINE LED-Anzeige mehr aus

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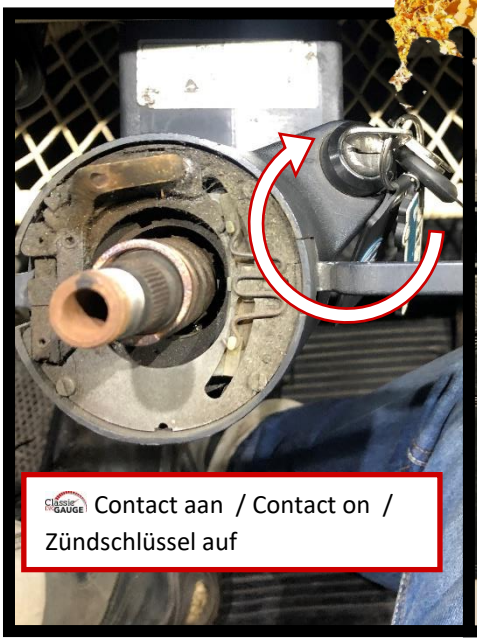
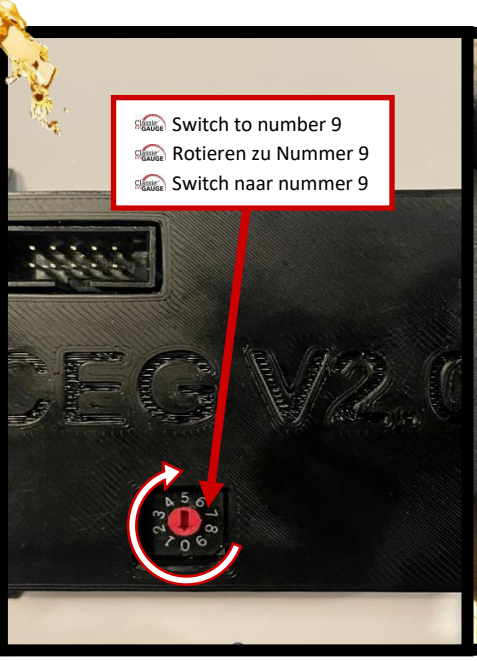
PROGRAMMING THE TANK LEVEL „FULL" !!!
PROGRAMMIERUNG DES TANKFÜLLSTANDS „VOLL" !!!
PROGRAMMEREN TANKSTAND „VOL" !!!

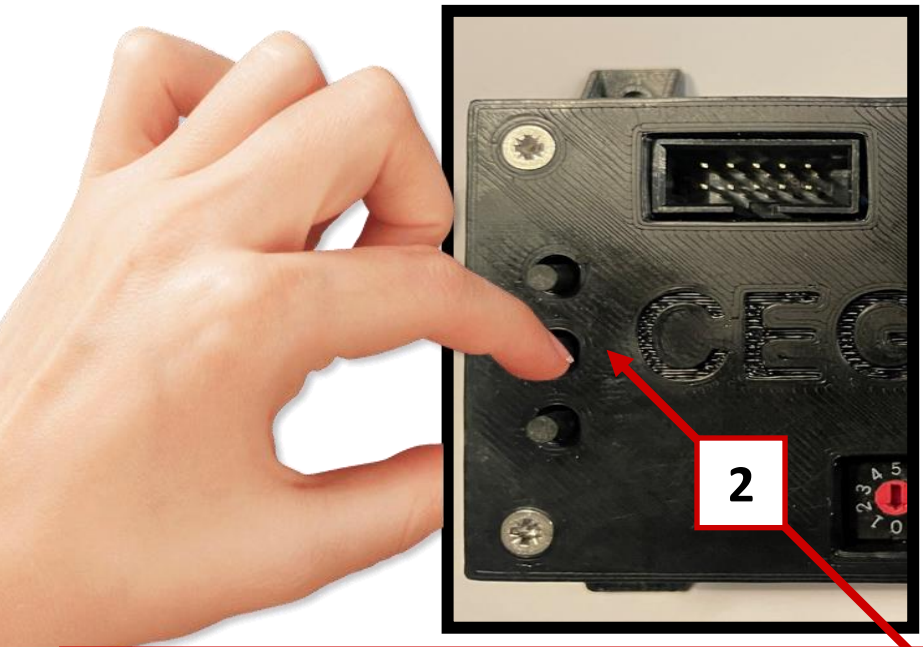
- **Completely re-fuel / Fill the petrol tank**
- **Benzintank vollständig befüllen / tanken**
- **Benzinetank volledig vullen / Tanken**



Contact aan / Contact on / Zündschlüssel auf



- Switch to number 9
- Rotieren zu Nummer 9
- Switch naar nummer 9



1

2

Wait until the needle is at the position of the "Full tank" and confirm the Full tank with the button in the middle (led signal will confirm setting storage)

Warten bis sich die Nadel in der „Tank Voll" Position befindet danach den Voller Tank bestätigen mit der Taste in der Mitte (LED-Signal bestätigt die Speicherung der Einstellung)

Wacht tot de naald op de positie van "Volle tank" staat en bevestig de Volle tank met de knop in het midden (led-signaal bevestigt instelling opslag)

Congratulations !!!

You now have successfully installed your Classic Evo Gauge and calibrated it to your own Fuel Tank.

We at Classic Evo Gauge thank you for your trust and wish you a lot of fun with your purchase

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