



Fitting instruction rear kit

MAKE OF AUTOMOBILE:
TYPE:
TANK CAPACITY:
TANK LOCATION
MODEL YEAR:
SYSTEM APPROVAL NUMBER (R115)
BOOT SET NUMBER
MANUAL NUMBER:
DATE

Ford
Transit Courier
59 Liter Fuel Module Stako toroidal
Underneath
2-2014->
E4-115R-000009 / DLM-LPG 02
947/070302001/A
076/0706259
3-9-2018



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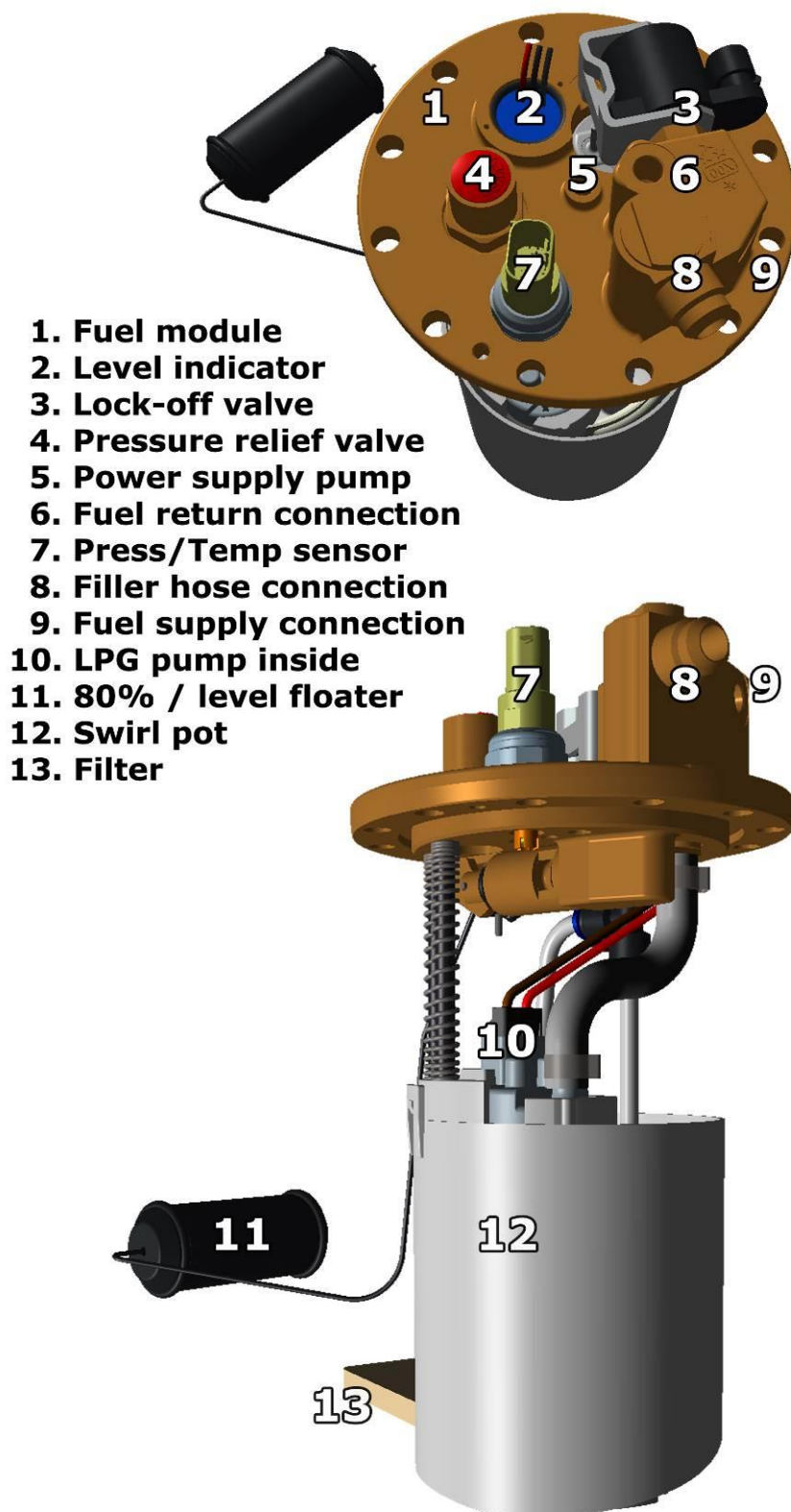
Tank wiring 22



General

- Tools needed for installing the LPG tank :
 - Soldering iron
 - Drilling machine
 - Drilling kit
 - Drill size 70 mm
 - Workshop tools.
 - Gas leak detection device
 - Vacuum cleaner
 - Anti-corrosion agent / black body coating
 - Car lift
- Note the jack supporting points and moveable parts when mounting the LPG line.
- It is not permitted to have LPG lines routed through the passenger compartment or a closed cargo space.
- After having drilled holes (use safety glasses) for the mounting of a tank frame, floor ventilation, etc., always treat the holes against corrosion after having removed the grindings.
- Provide a thorough frame mounting on vehicles with a thin metal or wooden floor panel (vehicles with commercial registration). Secure the mountings to the vehicle frame and not to the floor.
- **Treat the LPG tank when mounted under the car with a black body coating.**
- Failure to follow the instructions in this manual can result in a poor or non-working gas installation or a dangerous situation.
- No component of the LPG-system shall be located within 100 mm of the exhaust or similar heat source, unless such components are adequately shielded against heat.
- Prins Autogassystemen is not responsible for any damages to people or objects as a result of changes to Prins products.
- Mount the LPG tank according to the local LPG regulations. The LPG installer is responsible for that. This manual is based on Dutch regulations.
- After having completed the installation, check the whole system for gas leakage; use a gas leak detection device. Beware of moving, hot and rotating parts.
- This manual is based on Dutch regulations, always install the system in accordance to the local regulations.
- Check **the Prins site** for tank certificates and wiring diagrams.

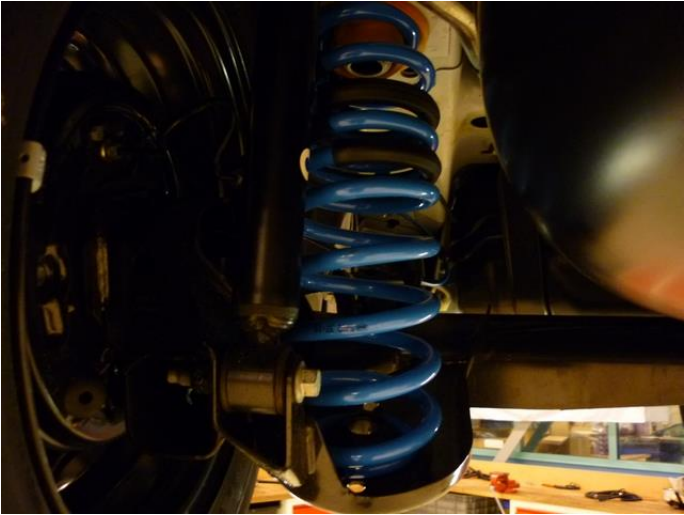
Tank Fuel Module



M.A.D. Springs



Replace original springs



M.A.D Spring installation

Ford Transit Courier / Ford Tourneo Courier / Ford Ecosport

MAD-nr. HV-068228



Fig. 1

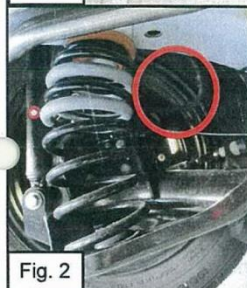


Fig. 2

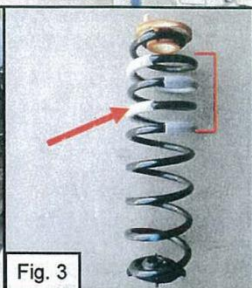


Fig. 3

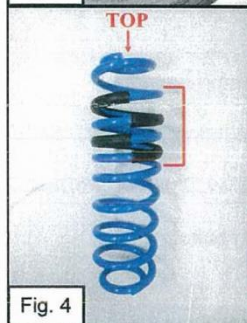


Fig. 4

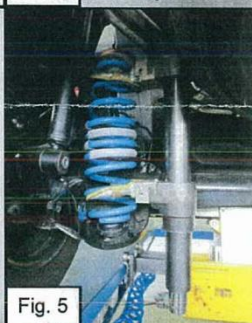


Fig. 5

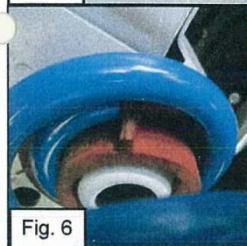


Fig. 6



Fig. 7

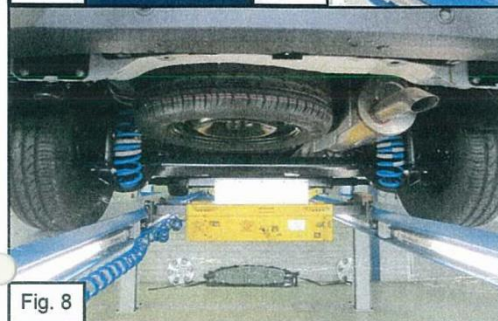


Fig. 8

NL

1. Maak de schokdempers aan de onderzijde los. Zie figuur 1.
2. Hef de auto uit de veren. **Let daarbij op beide remslangen!** Zie figuur 2.
3. Demonteer de hoofdveer. (Transit Courier/Tourneo Courier: met behulp van een veerspanner).
4. Monteer de M.A.D. hoofdveer. (Transit Courier/Tourneo Courier: Met behulp van een veerspanner). Zie figuur 5.
5. Let erop dat de windingsuiteinden correct gemonteerd worden. Zie figuur 6.
6. Plaats de auto op de wielen en zet de schokdemperbouts vast. Zie figuur 7.
7. Koplamphoogte opnieuw afstellen.

GB

1. Disconnect shock absorbers at the lower end. See figure 1.
2. Jack up the car. **Look out for both brake hoses!** See figure 2.
3. Remove the mainspring. (Transit Courier/Tourneo Courier: with use of spring compressors).
4. Fit the M.A.D. mainspring (Transit Courier/Tourneo Courier: with use of spring compressors). See figure 5.
5. Note that both winding ends of the spring are positioned correctly. See figure 6.
6. Put the car on its wheels and fit the shock absorber bolts. See figure 7.
7. Readjust the head beams.

D

1. Stoßdämpfer am unteren Ende Lösen. Siehe Abbildung 1.
2. Heben Sie das Fahrzeug an. **Aufpassen für Beide Bremsschläuche!** Siehe Abbildung 2.
3. Demontieren Sie die Hauptfedern. (Transit Courier/Tourneo Courier: mit Hilfe eines Federspanners).
4. M.A.D. Hauptfedern einsetzen. (Transit Courier/Tourneo Courier: mit Federspanner einsetzen). Siehe Abbildung 5.
5. Stellen Sie sicher, dass die beide Enden der Hauptfeder richtig positioniert sind. Siehe Abbildung 6.
6. Fahrzeug auf die Räder stellen. Stoßdämpfer Bolzen sichern. Siehe Abbildung 7.
7. Scheinwerfer neu justieren.

With MAD springs: Tank → Ground clearance = + 2.5cm

M.A.D Spring installation

Ford Transit Courier / Ford Tourneo Courier / Ford Ecosport

MAD-nr. HV-068228



Fig. 1



Fig. 2

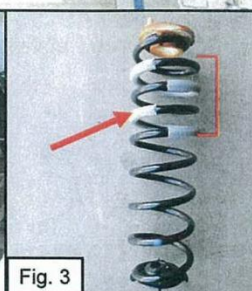


Fig. 3

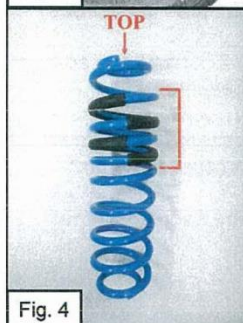


Fig. 4



Fig. 5

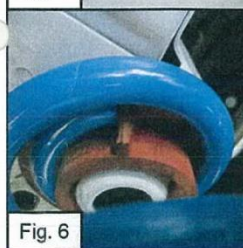


Fig. 6

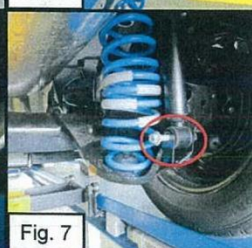


Fig. 7



Fig. 8

F

1. Démontez les amortisseurs côté inférieur. Voir Fig. 1.
2. Soulevez la voiture hors des ressorts. **Chercher les deux flexibles de frein!** Voir Fig. 2.
3. Démontez les ressorts principal. (Transit Courier/ Tourneo Courier: moyennant un compresseur de ressort).
4. Montez le ressort principal M.A.D. (Transit Courier/ Tourneo Courier: avec un compresseur de ressort). Voir fig. 5.
5. Notez que l'extrémités d'enroulement du ressort sont positionnés correctement. Voir fig. 6.
6. Remplacez le véhicule sur ses roues. Montez les boulons l'amortisseur. Voir fig. 7.
7. Réajustez la hauteur des phares.

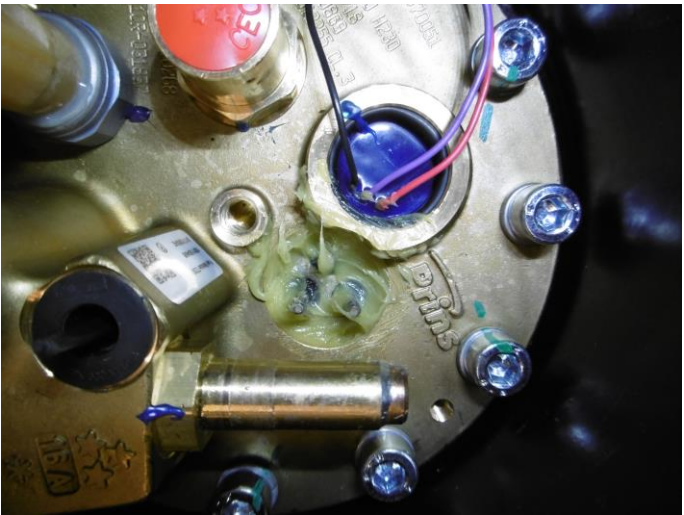
S

1. Demontera loss stötdamparens nedre fäste. Se fig. 1.
2. Lyft bilen ur sina fjädrar. **Titta ut båda bromsslangar!** Se fig. 2.
3. Ta bort huvudfjädern. (Transit Courier/Tourneo Courier: med användning av fjäderkompressor).
4. Sätt tillbaka M.A.D. Huvudfjäder. (Transit Courier/ Tourneo Courier: med hjälp av fjäderkompressor). Se fig. 5.
5. Notera att båda lindningen änden av fjädern är korrekt placerade. Se fig. 6.
6. Släpp ner bilen på hjulen. Sätt fast bultar stötdamparen. Se fig. 7.
7. Justera om stralkastrarna.

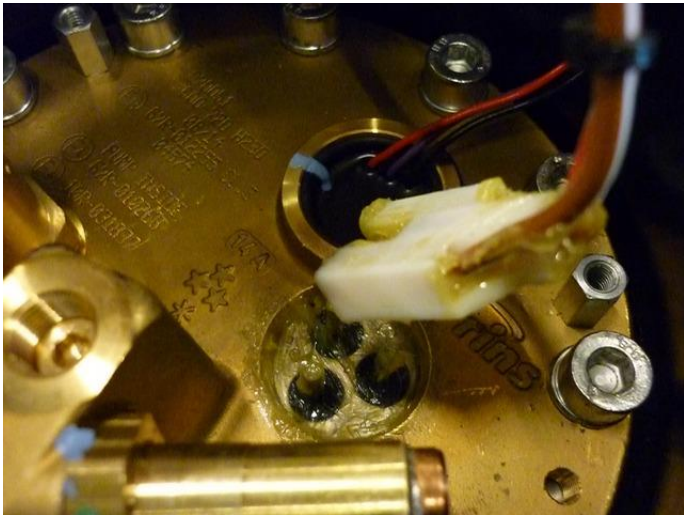
E

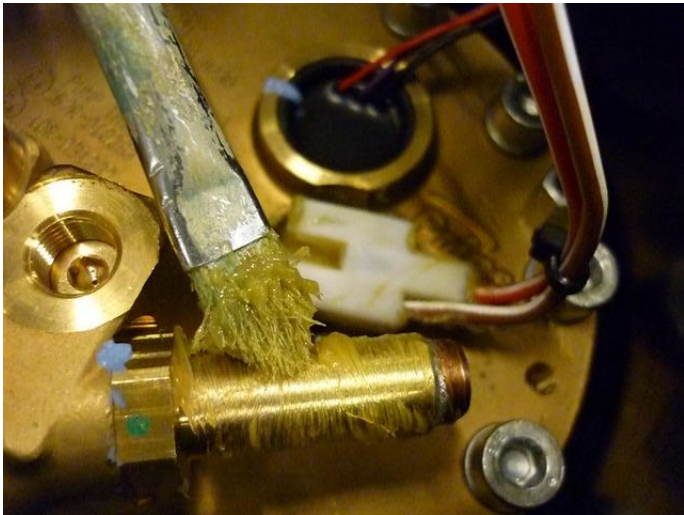
1. Suelte los amortiguadores por la parte inferior. Véase la Fig. 1.
2. Levante el coche de los muelles. **Estar atento dos mangueras de freno!** Véase la Fig. 2.
3. Retire el muelle principal. (Transit Courier/Tourneo Courier: con las pinzas de resorte).
4. Monte el nuevo muelle M.A.D. (Transit Courier/ Tourneo Courier: con las pinzas de resorte). Véase la Fig. 5.
5. Nótese que ambos extremos de enrollado del muelle están colocadas correctamente. Véase la Fig. 6.
6. Ponga el coche sobre las ruedas. Fije el perno inferior del amortiguador. Véase la Fig. 7.
7. Compruebe el ajuste de los faros.

Prepare the Fuel Module



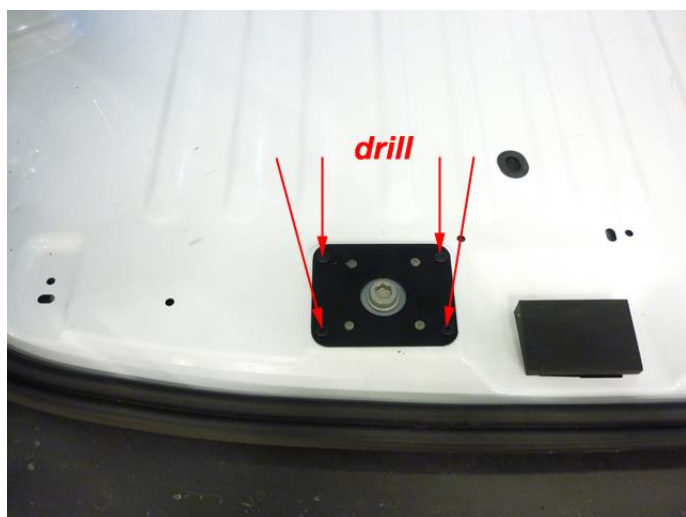
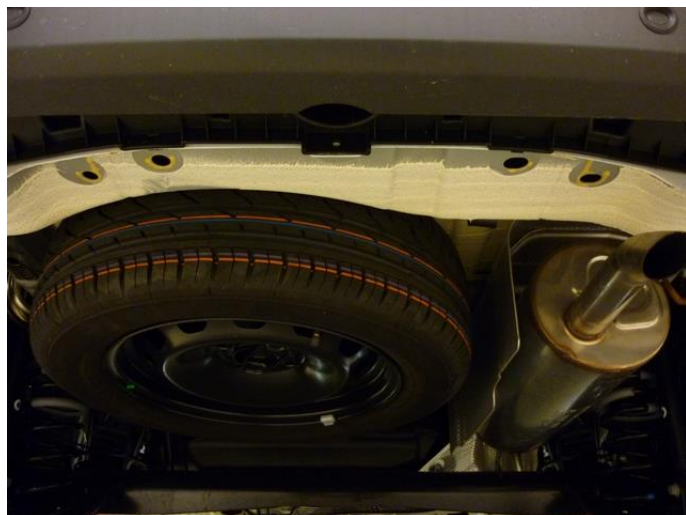
Grease for water-repellent





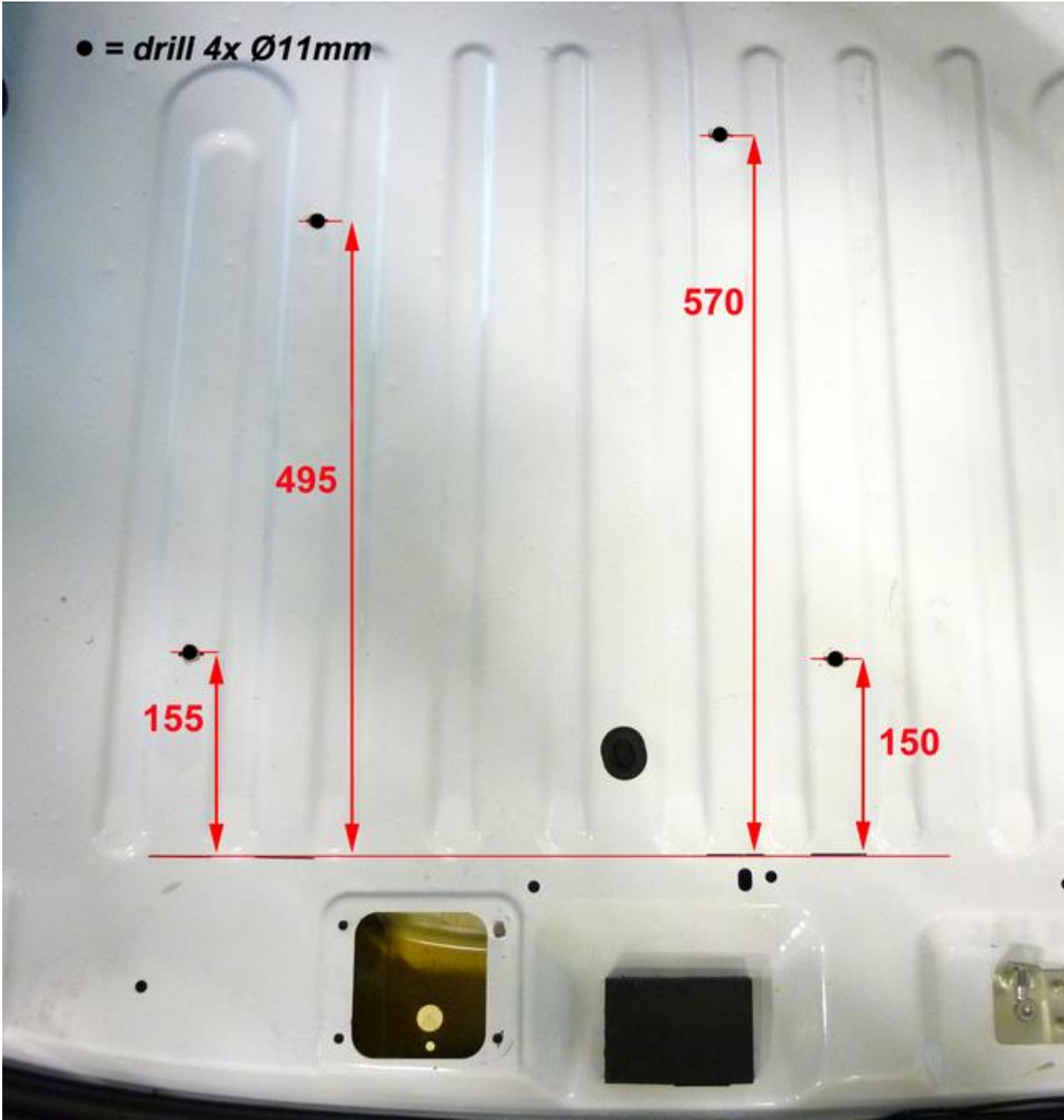
Spray with clear body coat when fuel lines are connected.

Prepare / remove



Remove the complete spare wheel support system

Drill pattern



Tank mounting plates



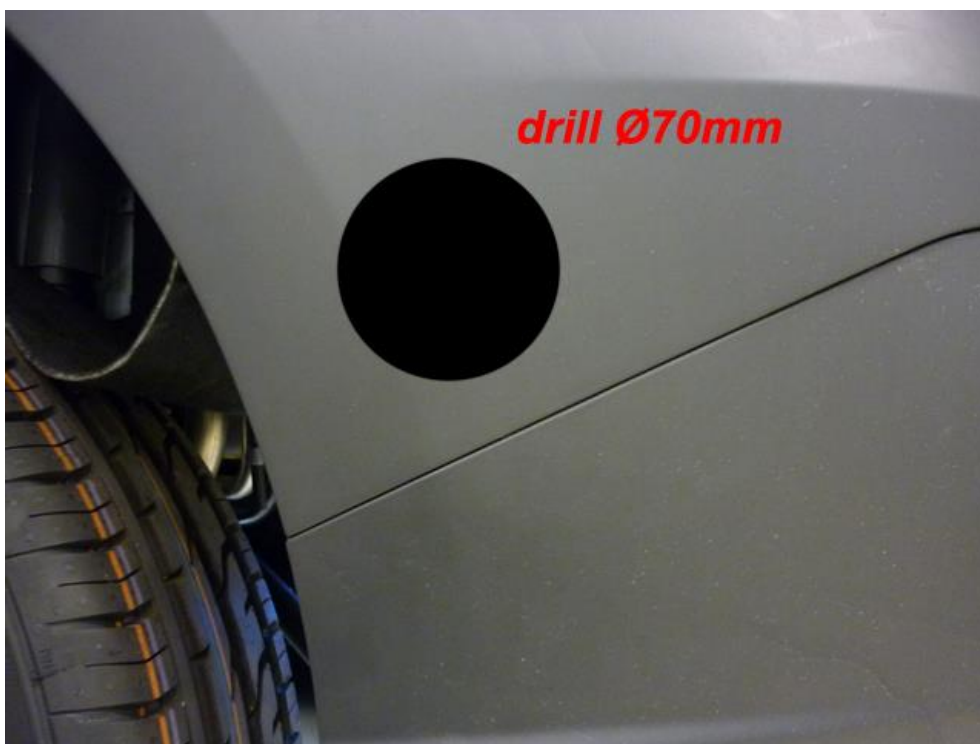
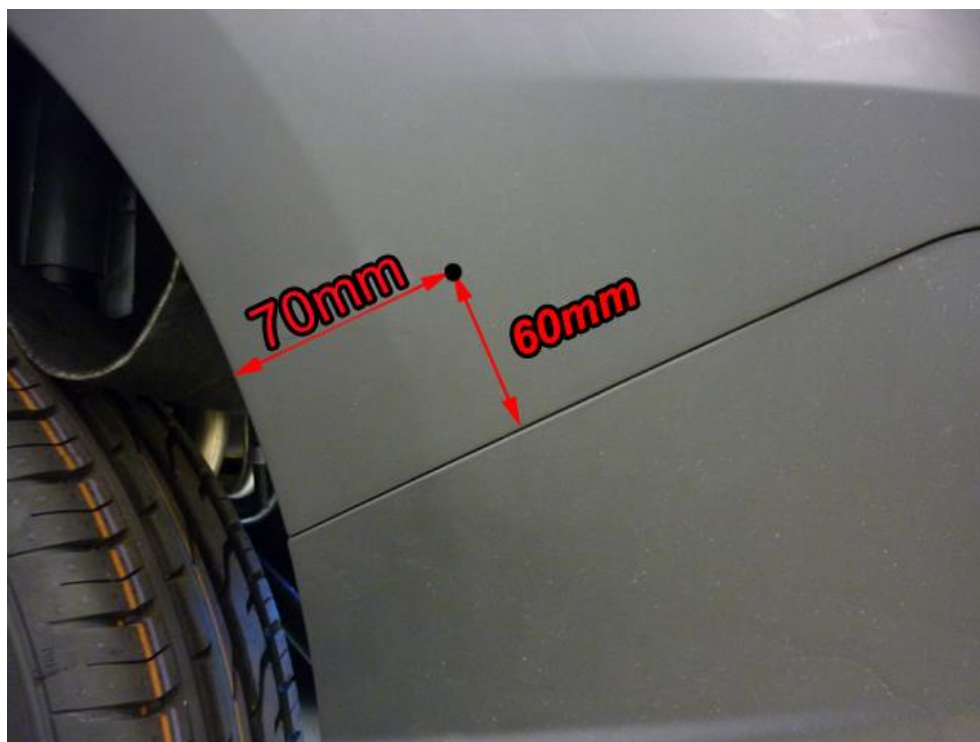
Prepare for filler



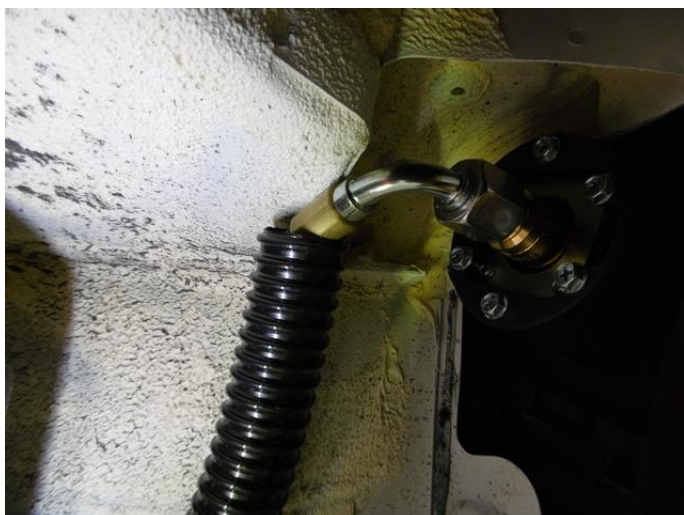
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Filler position



Filler hose



70cm ventilation hose

Fuel line routing

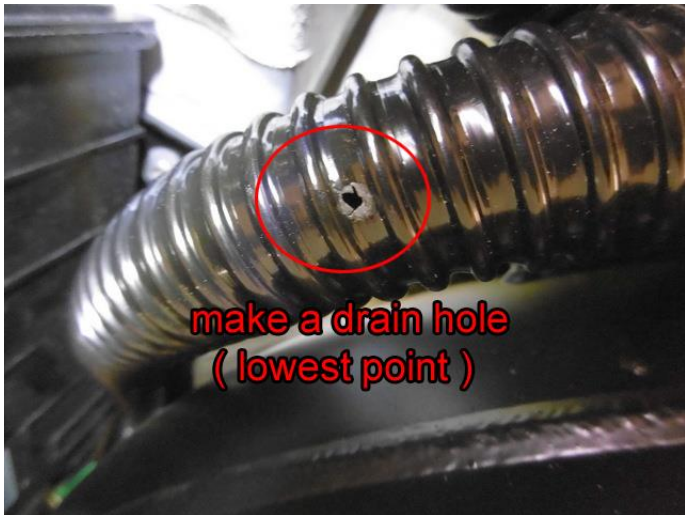


Fuel line routing

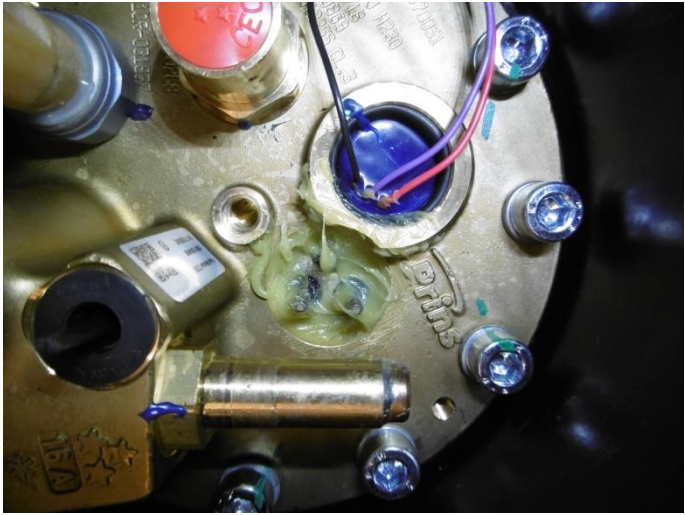


130cm ventilation pipe

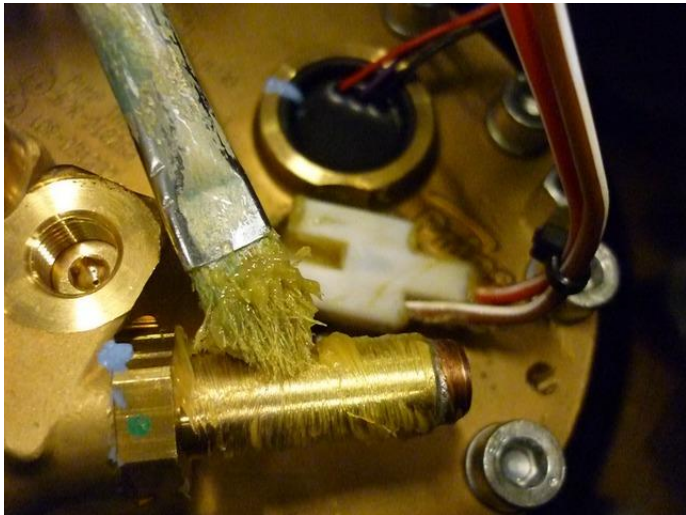
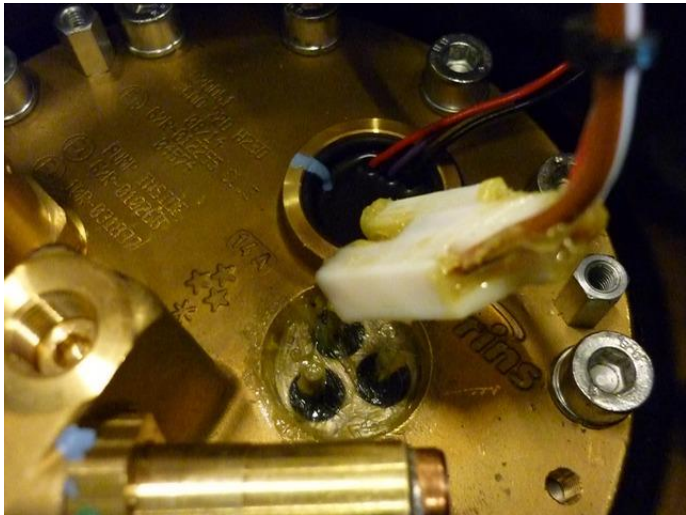
Fuel line routing



Prepare the Fuel Module

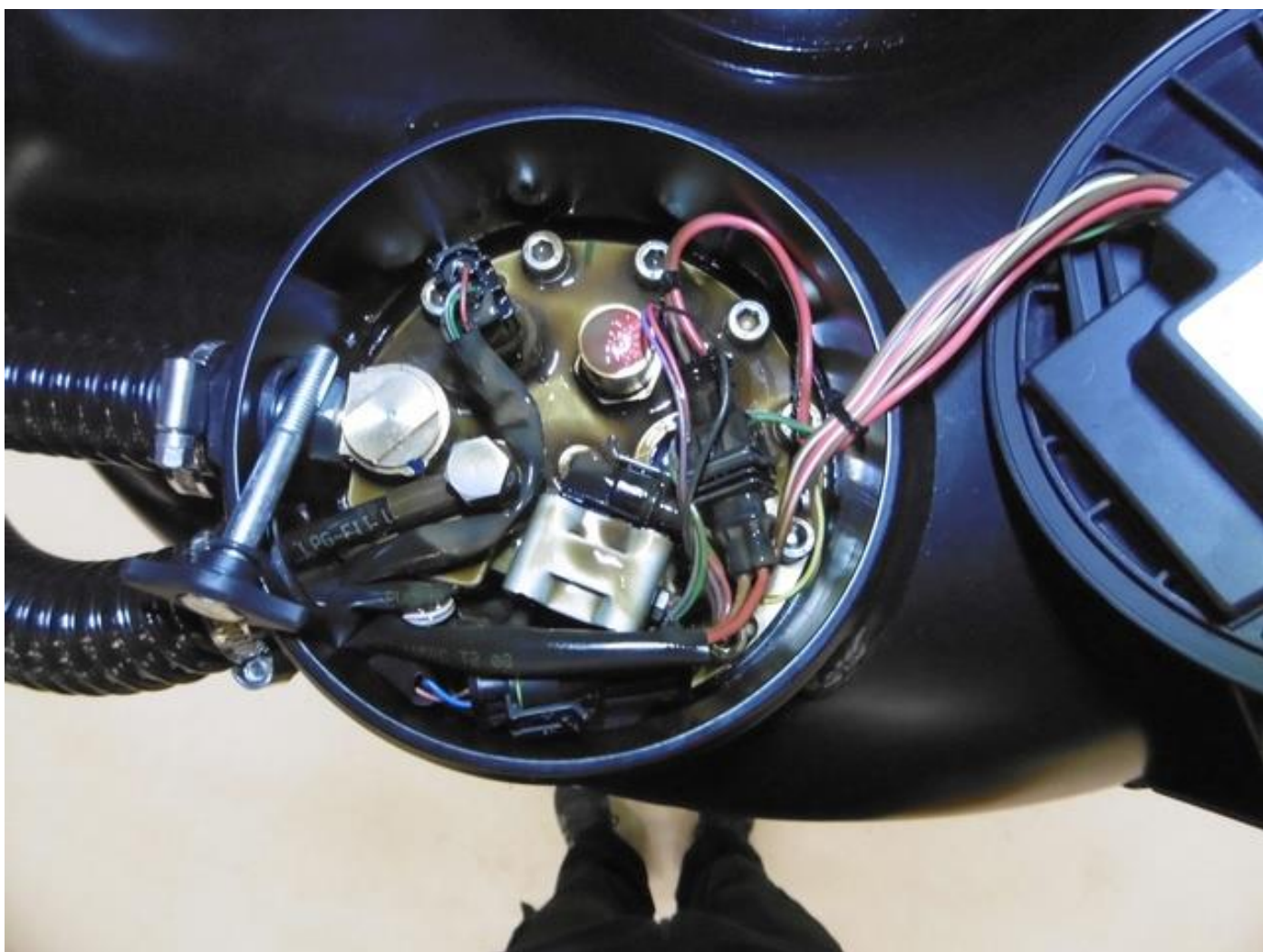


Grease for water-repellent



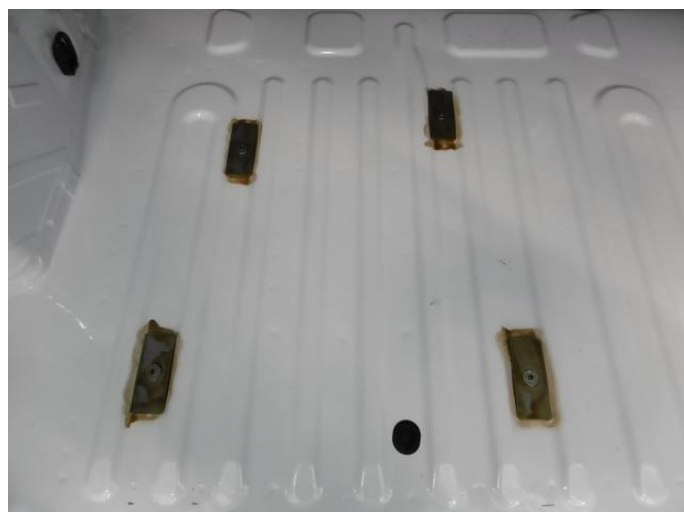
Spray with clear body coat when fuel lines are connected.

Tank connections



Connect all hoses and wiring. Protect with clear body coating. Install cover.
Mount tank to floor.

Tank installation

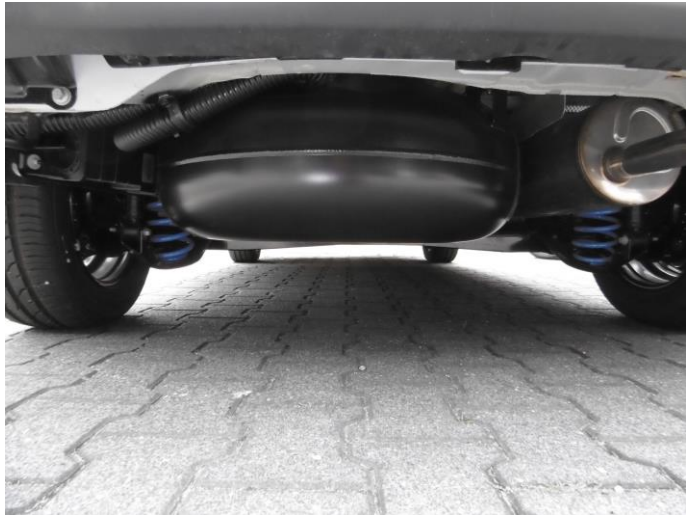


Mount the tank with brackets using M10 conical Allan bolts, nuts, spring washers.
Use a clear body coating inside when ready.

Exhaust, 2018 model



Finished



Tank wiring

Wire number / code	Wire colour AFC	Connection
3-pole tank level connector 1. 33 Ground tank level 2. 12 Tank level in 3. 11 + tank level supply	Brown-white Blue Red-blue	Connect the 3-pole connector to the tank level sensor.
4-pole Tank P/T sensor 1. 45 Ground P-Tank 2. 38 P-Tank 3. 15 T-Tank 4. 28 +5V sensor	Brown-black Green Grey Red	Connect the 4-pole connector to the P/T sensor.
2-pole Steering Diagnose connector 1. Ground pump driver 2. +12V pump driver	Brown 2.5mm ² Red 2.5mm ²	Connect the 2-pole connector to the driver, connector 3.
2-pole Steering Diagnose connector 1. 71 LSS3 Pump driver PWM 2. 64 Pump driver diagnose	Purple-pink Blue-grey	Connect the 2-pole connector to the driver, connector 4.

Pump Driver			
1. 2-pole connector tank lock-off	Green-yellow Brown	From tank pump driver From tank pump driver	
2. 3-pole connector tank pump	Red 2.5mm ² Brown 2.5mm ²	From tank pump driver From tank pump driver	
3. 2-pole connector driver	1. Brown 2.5mm ² 2. Red 2.5mm ²	From main ground From tank pump relay	Ground pump driver +12V pump driver
4. 2-pole connector driver	1. Green 2. Grey	From AFC pin 71 From AFC pin 64	LSS3 Pump driver PWM Pump driver diagnose

