

Mounting Instructions:

- BMW 1er (E82) Coupe
- BMW M3 (E90) Limousine
- BMW M3 (E92) Coupe
- BMW M3 (E93) Cabrio

For cars with M-EDC (Electronic Damper Control) option only.

This suspension kit fits on:

Manufacturer: Bayerische Motoren Werke

Sales name: BMW 1M Coupe (E82)

Internal code: M-V

EC type approval No: e1*2007/46*0383*..

Manufacturer: Bayerische Motoren Werke

Sales name: M3 (Limousine, Coupe and Cabrio)

Internal code: M390 M3

EC type approval No: e1*2001/116*0345*.. e1*2007/46*0377*..



Before installation please observe the following points:

- Read all information in this manual carefully. All suspension components are fitted and removed according to the manufacturer's specifications for installing and removal, if not otherwise required in these instructions.
- Check that your vehicle type is listed in the manual as being specified for this kit.
- Check the product for all components before starting installation!
- Check that the dimensions and fastening points are comparable between the original and Tractive shock absorbers.
- Directional references (left, right, front, rear) are always with reference to the driving direction.
- Fitting shock absorbers, struts and cartridges requires special tools and expert knowledge. Therefore fitment has to be carried out by a suspension specialist.
- Remove the negative battery pole **(at own risk because of possible loss of car-data)**
- The tested vehicles are left- hand drive vehicles

After installation please observe the following points:

- Set the vehicle height by adjusting spring plates on the new dampers. Only use the supplied spanner tools.
- All rubber- mounted strut/ damper attachments must not be fully tightened until AFTER the suspension system is loaded (wheels on the ground). Other mounting fasteners (for example brackets) must be securely tightened **BEFORE** load is placed on the suspension system
- Because the vehicle has been lowered, freedom of movement for all wheel-/ tire- combinations must be checked.
- Connect the negative battery pole.
- After installing the suspension system, caster and camber must be checked and adjusted according to manufacturer's specifications. Check and reset load- dependent brake compensator and ABS system according to manufacturer's specifications
- Check and adjust headlight setting

All diagrams are generalized and not to scale!

Brackets, etc. specific to the strut are not shown!

Use an impact tool at own risk, to loosen or tighten fasteners, due to possible damage to the product.

Self- locking nuts must only be used once!

Table of torques					
Size / thread	M8	M10	M12	M14	M16
Torque Nm	13	25	45	72	110
Torque ft lb	10	19	34	54	83



Disassembly strut

- Place vehicle on a wheel- free car hoist, lift it and remove the wheels.
- For vehicles equipped with xenon headlights, the movable element of sensor for the headlamp levelling controller must be removed before continuing disassembling the suspension.



Pay attention that support wires of the brake system are strain-free during removal.

Stabilization by suitable means is demanded.

- Remove strut clamping bolt.
- Remove top fixing nuts from support bearing. **Do not remove central nut at this time!**
- Remove complete strut and clamp it in an appropriate strut vice.

Removing spring

- Using a suitable spring compressor, compress suspension spring until tension on support bearing is free to move.
- Release central nut and remove original mounting parts and coil spring.

Reassembly strut

- Please refer to **diagram** to identify which parts will be replaced with Tractive- supplied components.
- Assemble Tractive and/ or original mounting parts, as well as the Tractive spring on the Tractive strut in reverse order of removal.
- The cable for the front strut electronic damping adjustment can be fixed along the sensor-cable to connect with original plug adapter.(see picture)

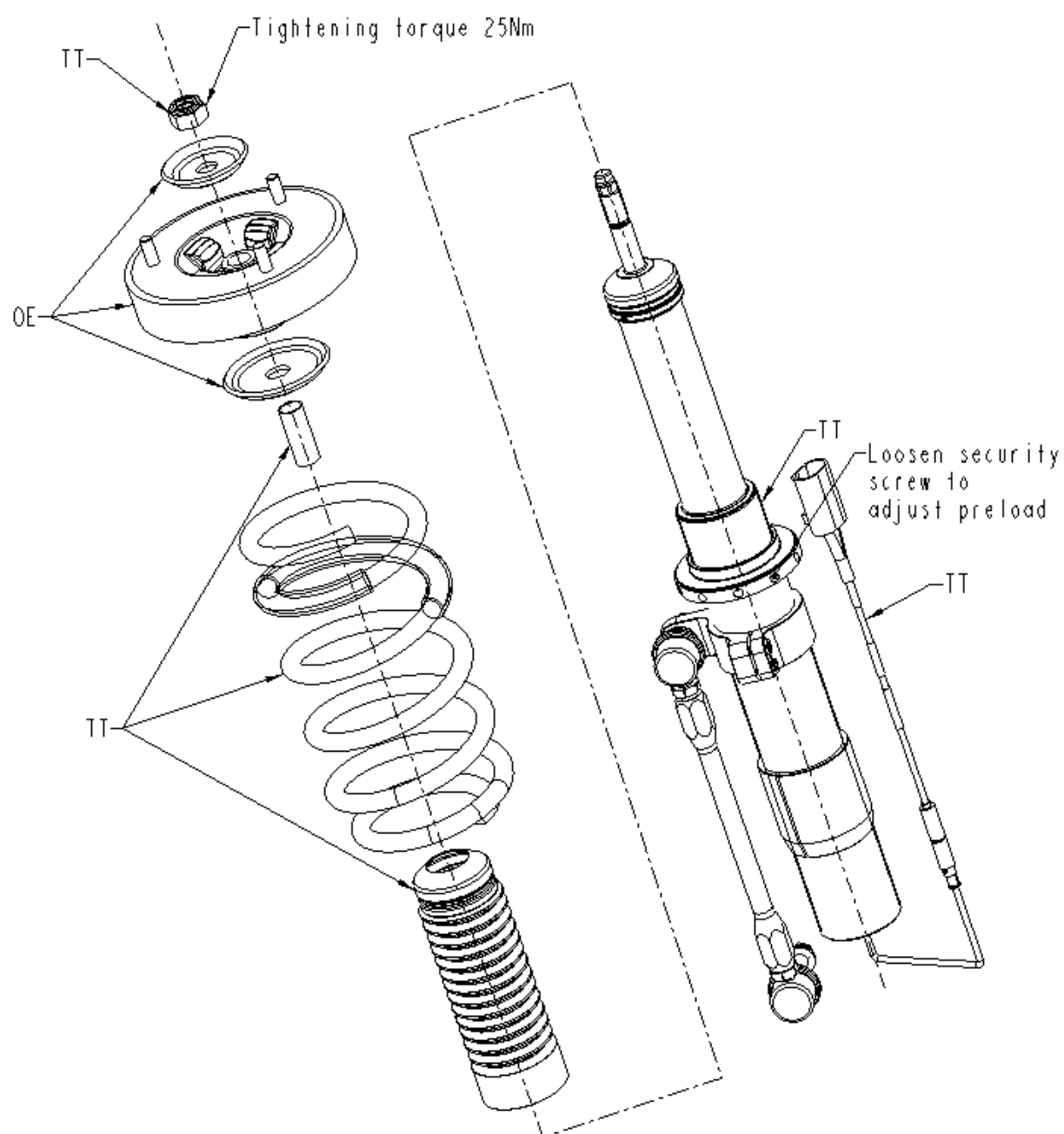


IMPORTANT! Spring plates must not be adjusted outside the ranges specified in the manual! The correct mounting position of the suspension springs can be determined by the printing on the springs; install them with the print upright. Fit assembled Tractive strut to the vehicle in reverse order to removal.



TT = Delivered by Tractive

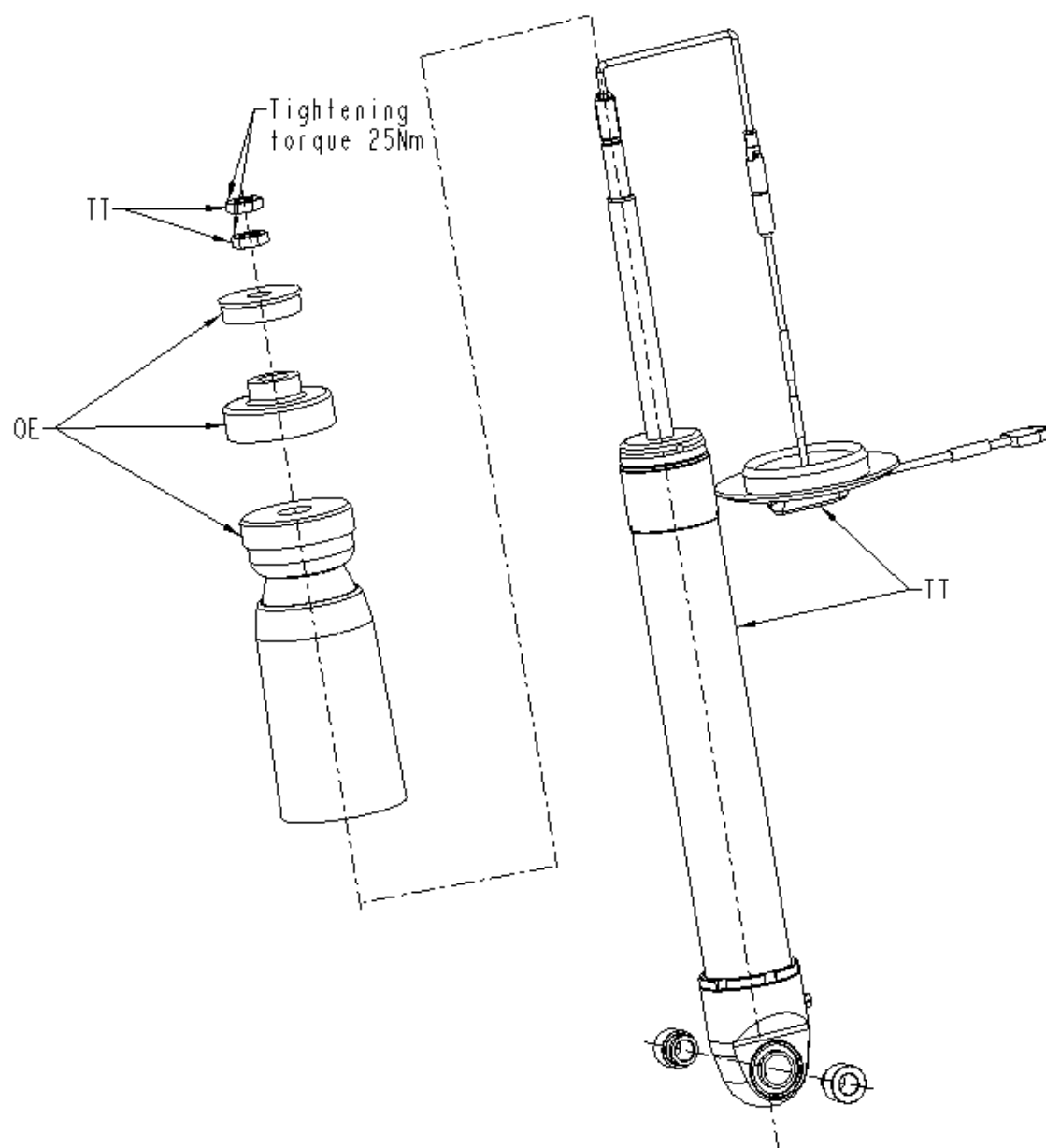
OE = Original Equipment

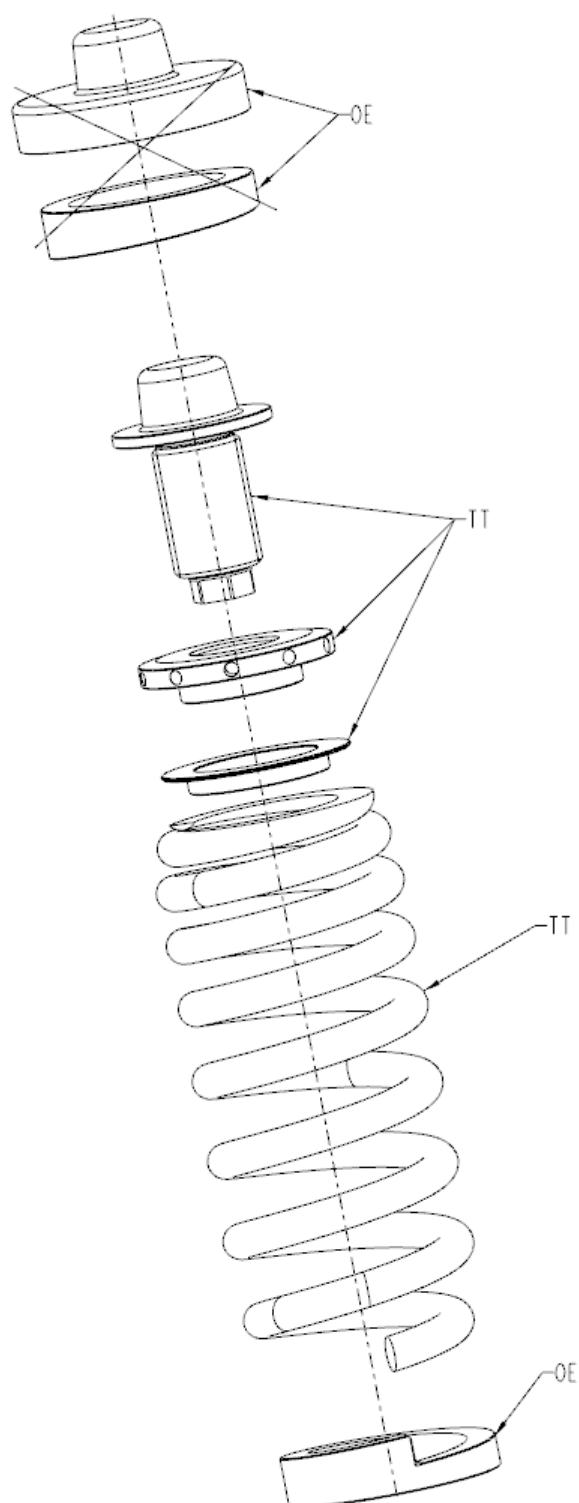


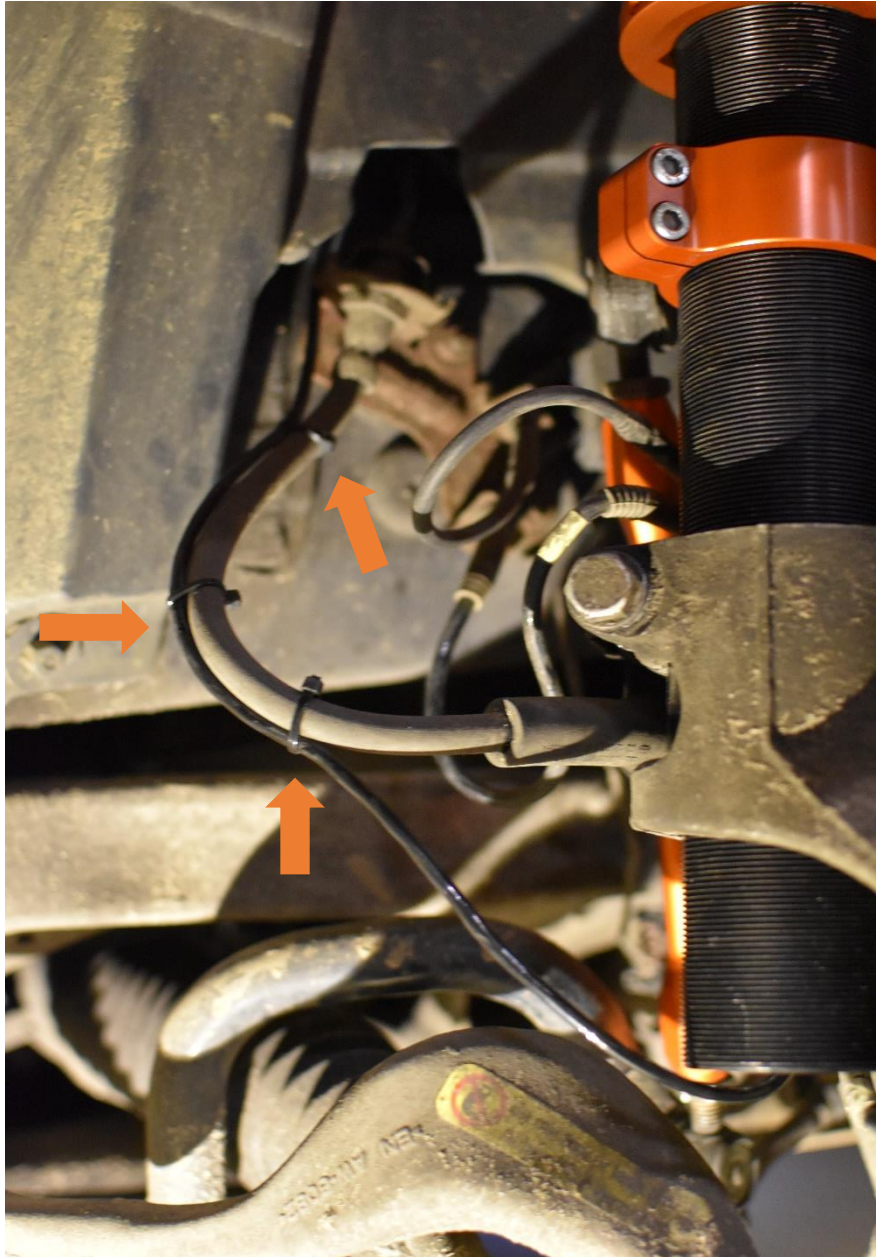


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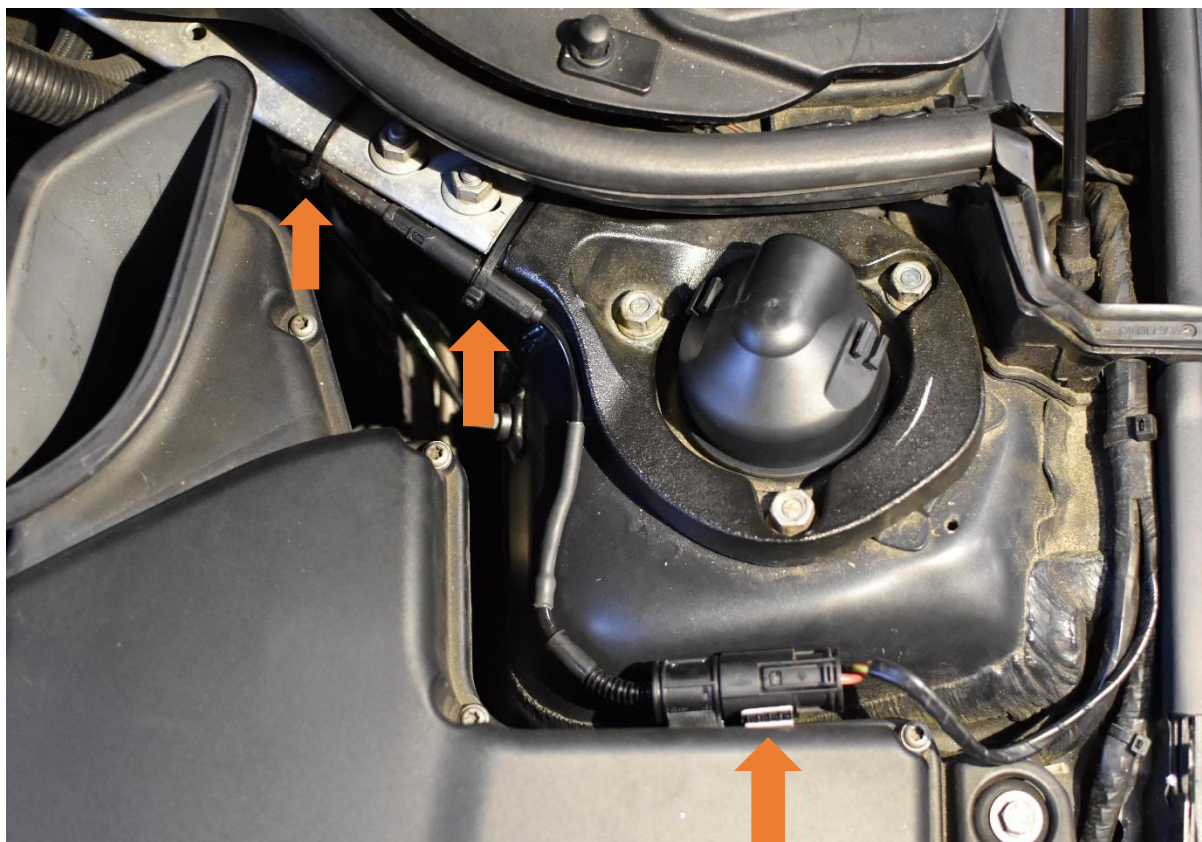
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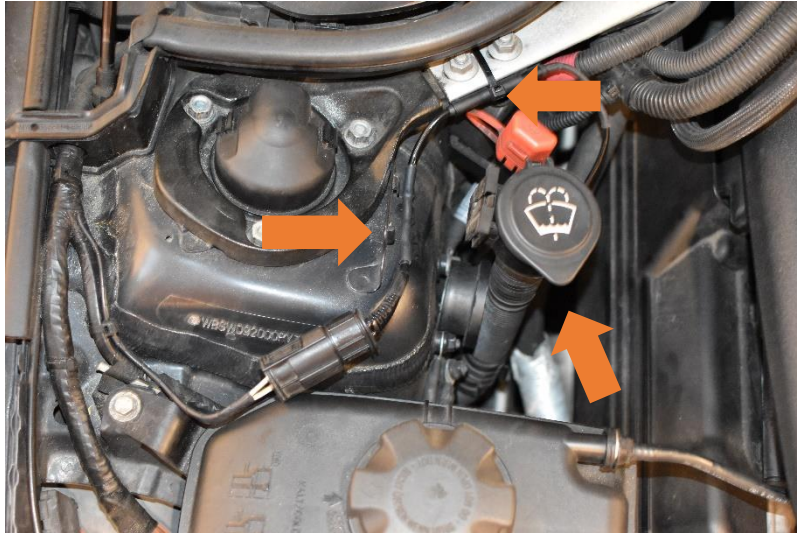




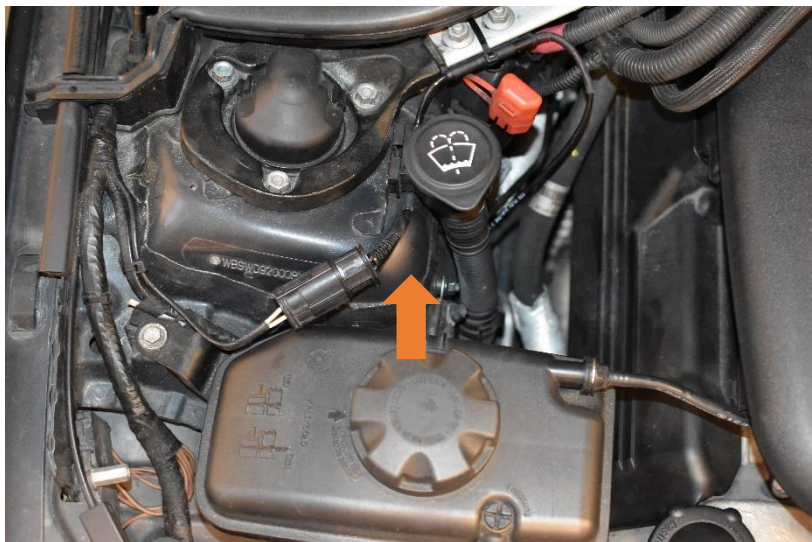
Front Left and Right side. Tie cable to brake hose wire and guide it to the engine bay.



Front Left side. Tie the cable to the strut brace and connect it with the adapter cable to the wire harness. Cut the supplied Velcro strip in two pieces from 10mm. Degrease the area before mounting the Velcro strip with the connector.



Front right side. Tie the cable to the strut brace and connect it with the adapter cable to the wire harness. Pull up the filling nozzle and guide the cable between filling nozzle and mount bracket



Front right side. Pull down the filling nozzle in the mounting bracket