

Installation Manual OP-27222



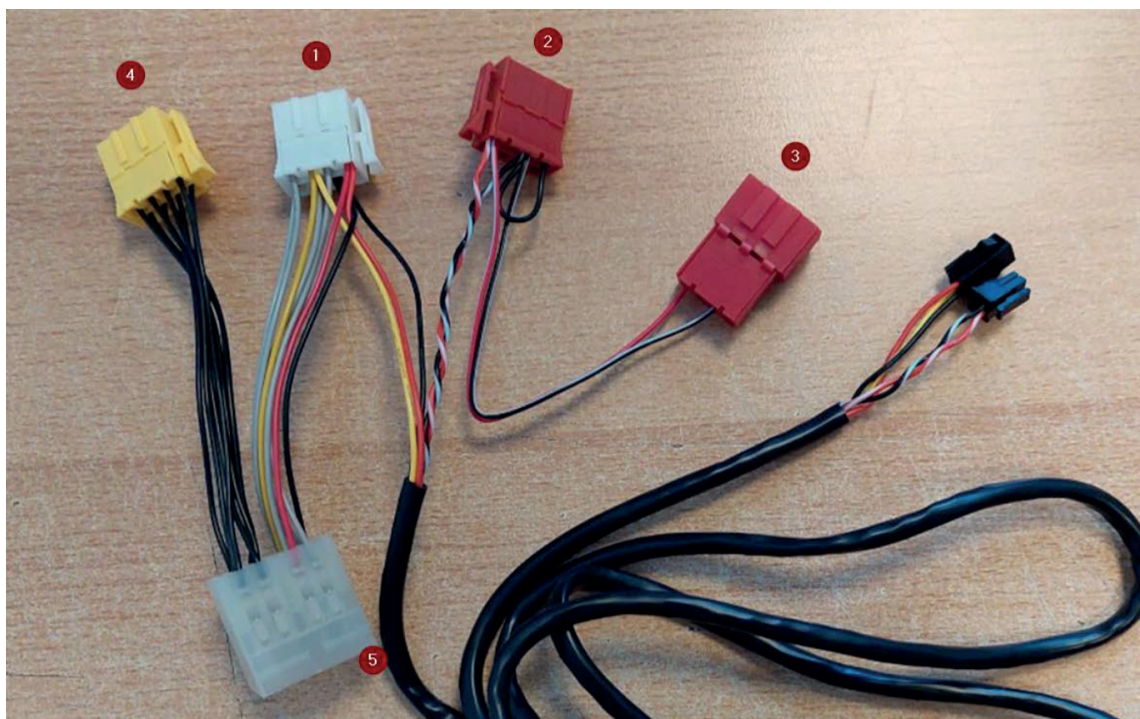
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Disclaimer

Please leave the yellow plug of the truck in the B-port when installing the CubiQ solution in the truck . Only remove and plug in our cable when absolutely necessary! 1C (Smart) tachographs now fit a Kitas 4 sensor, this is (in most cases) a single pair sensor and additionally if this sensor is disconnected for any period of time it will go into what the manufacturer calls a 'penalty state'. If the power is disconnected (white plug) for a period of time, you may get a similar issue. Once this happens a new sensor needs to be fitted as the original will not re-pair and additionally it will need a re-calibration. Therefore, any power disconnections should be as brief as possible. By choosing to install the unit yourself we are not responsible for any costs that will occur when this error does occur on the tachograph.

Numbering of the plugs

There are two different scenario's in which the OP-27222 cable can be used. Both scenarios are described below. The following numbering for the plugs will be used in this manual:



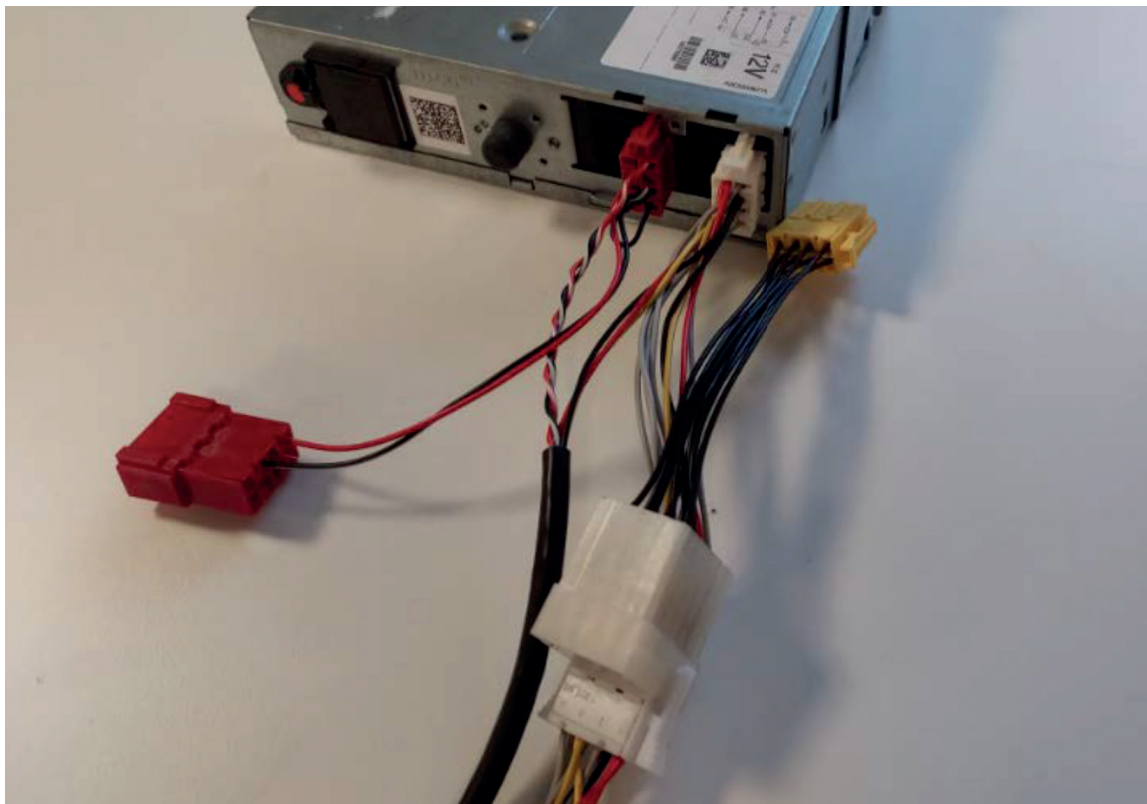
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Scenario 1

(all brands excluding Mercedes and some Volvo models)

In this scenario, mount the cable as following:

1. Plug connector 1 in the A port of the tachograph.
2. Plug connector 2 in the C port of the tachograph.
3. You don't use this female plug 3 unless you are using an external solution which needs connection via the C port of the tachograph.
4. Connector 4 does not need to be plugged-in the tachograph. Leave the one that is already in the B port of the tachograph in its place.
5. Plug the original power cable (white) from the truck in female plug 5. Make sure you put it on the side where the white cable is coming out the other side.



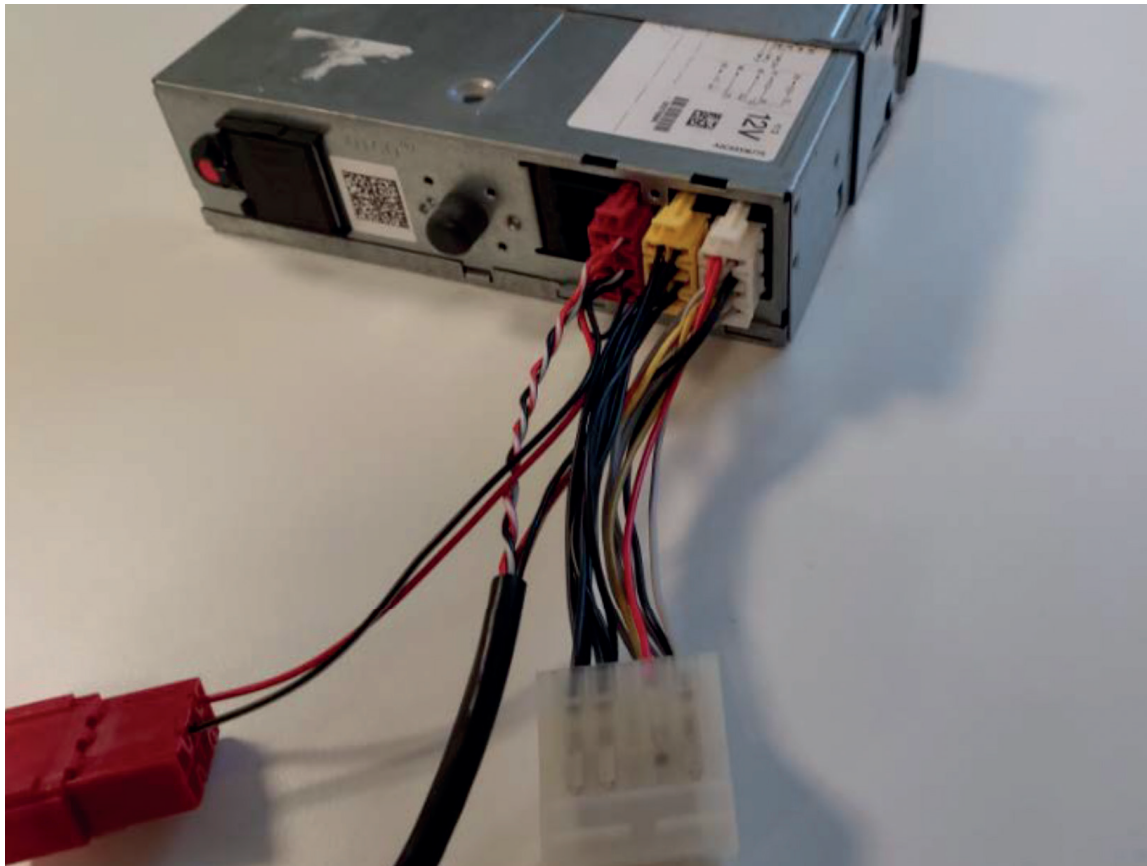
Above image shows the installation of the cables on the tachograph in scenario 1.

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Scenario 2 (Mercedes and some Volvo models)

In this scenario mount the cable as following:

1. Plug connector 4 in the B port of the tachograph.
2. Plug connector 1 in the A port of the tachograph.
3. Plug connector 2 in the C port of the tachograph.
4. You don't use this female plug 3 unless you are using an external solution which needs connection via the C port of the tachograph.
5. Plug the vehicle's black connector (originally plugged into the A and B port) in female plug number 5.

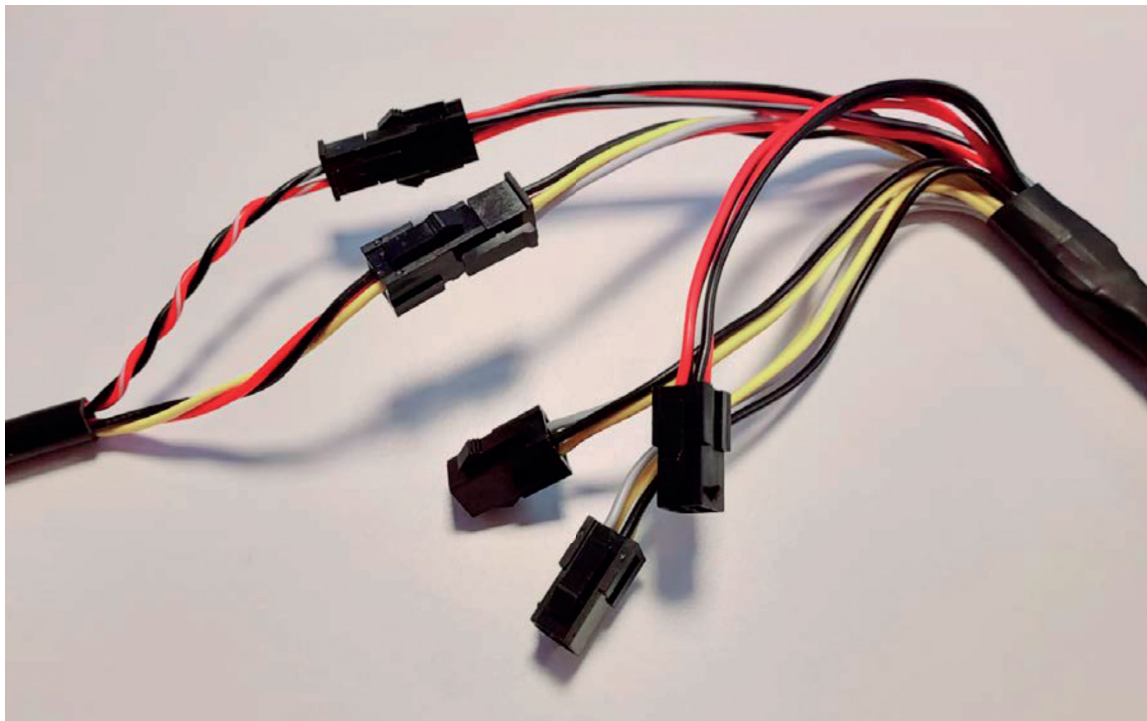


Above image shows the installation of the cables on the tachograph in scenario 2.

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Connecting the cables

If the 2 cables provided are not linked together, please see picture below to see how the cables need to be connected. Make sure the Red and Black cable is connected to one of the Red and Black cable on the other side and not to one of the Black and Yellow cables.



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Placement GPS Antenna

The GPS antenna is equipped with 3 meter of cable length and must always be mounted in the lower part of the dashboard in front of the windscreen. The GPS can never be placed underneath metal or chassis. The best signal quality will be achieved when the antenna is placed under the plastic of the dashboard which is located under the windshield. The antenna will be mounted by self-adhesive 3M tape underneath. First you need to clean the mounting place in the vehicle from dust and make sure that it is greaseproof. Once you place the antenna the 3M tape will be very difficult to remove. So be sure that you pick the right spot before placing. Also make sure that the antenna has a radius of 30CM from other GPS antennas like Toll Collect or GPS hardware to prevent interruption of signal.

