

Service-Information

Tachographs, Telematics & Services

To: Technical Managers / Service Technicians **SI: 116462**

Contact: Your responsible subsidiary 2025-03-28 V02 Page: 1 of 11

Product / System: DTCO 1381 Belonging to: Retrofitting


Keywords: Retrofit, Fiat Ducato

Internet: www.vdo-werkplaats.nl



Installation suggestion for Fiat Ducato

This service information describes the components required for installation and contains information on installation and the installation location of the DTCO[®] device.

Vehicle image	Vehicle data	Vehicle name
	Year of construction	2024

Required components for installation









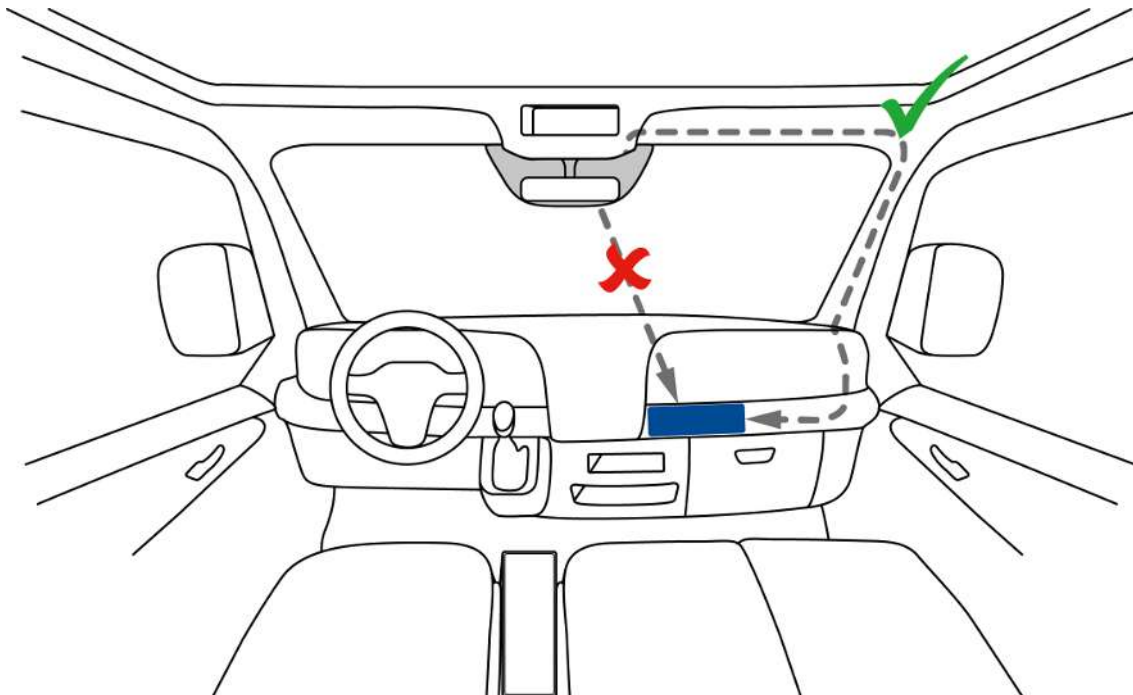
Image	Component	Order number
	DTCO [®] 1381 Mob.Pack.Kit 24/12V-ADR Z2 with CAN-R*	2910003635200*
	DTCO [®] 1381 Mob.Pack.Kit 24/12V-ADR Z2 w/o CAN-R*	2910003635300*
<i>* For stand-alone installations, either the Mob.Pack.Kit with terminating resistor or without terminating resistor can be used.</i>		
	Printer paper	1381-90030300
	KITAS sensor 23,8mm	2185-2000040004

Image	Component	Order number
	Universal installation bracket	X39-140-000-011
	DTCO® connecting cable plug A	1318-90100000
	KITAS sensor cable 8,5m	2170-80010850
	GNSS antenna	2910002405900
	Clamp (removal tool)	1381-90040000

Installation location



The tachograph must be mounted above the glove compartment as shown in the picture. The DSRC antenna must be mounted in the area marked in grey and the legal function must be verified by a function test.



The connecting cable between the DSRC antenna and DTCO® must be routed around the windscreen and must not pass through the driver's field of vision.

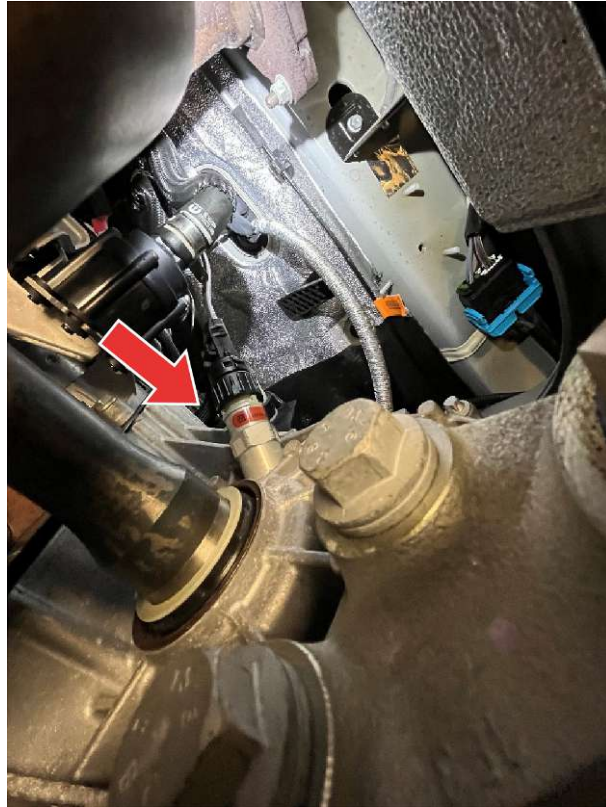


When installing the DTCO 4.1x (ADR variant) in the cab of a road vehicle for the transport of dangerous goods, the installation frame must be metallic. It must also be ensured that the DTCO's retaining clips have a secure connection to earth in order to prevent electrostatic discharges.

The DTCO 4.1x is designed for installation in a radio compartment. To ensure the degree of protection of the housing for the ADR variants, only installation in a radio compartment is permitted.

Installation instructions

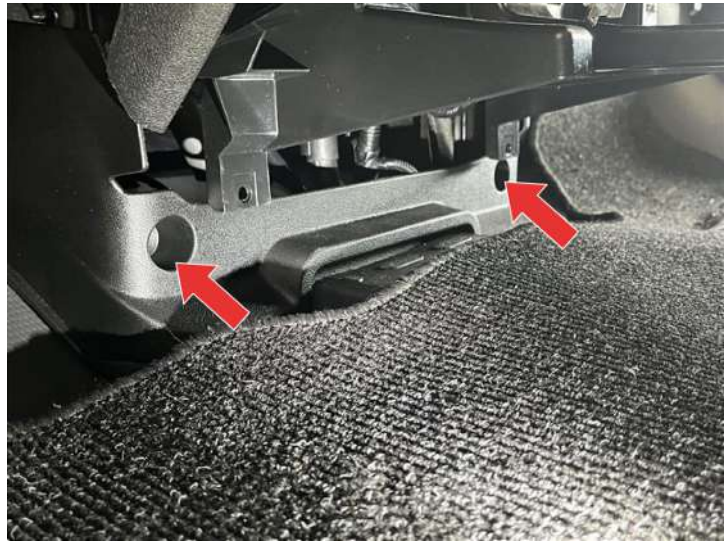
1. Unscrew the underride guard - if present.
2. Unscrew the dummy plug and screw the KITAS encoder into the gearbox.



3. In the interior of the vehicle, loosen the screws at the marked points and remove the cover.



4. Unscrew the lower cover to be able to route the sensor cable into the vehicle interior later on.



5. Use a dummy cable to pull the connection cable of the KITAS sensor into the vehicle interior.



6. Remove the cover in the passenger compartment. This is only clipped on and does not need to be unscrewed.



7. Then create a passage above the glove compartment and pull the KITAS sensor cable through. Make sure that there are no sharp edges!



8. In addition, pull the DSRC cable and the cable with the A plug through the passageway.



9. Pull the A plug cable from the passenger side to the driver's side. Lay the cable so that it is later behind the covers and can no longer be seen.



10. Remove the cover of the fuse box on the driver's side.



11. Now measure where you can tap off the continuous voltage and the ignition.

Connect the vehicle fuse holder and connect the respective cable of the A plug cable to it.



12. Ground can be connected to the following screw below the steering wheel as shown in the picture.



13. Secure the A plug cable with cable ties.

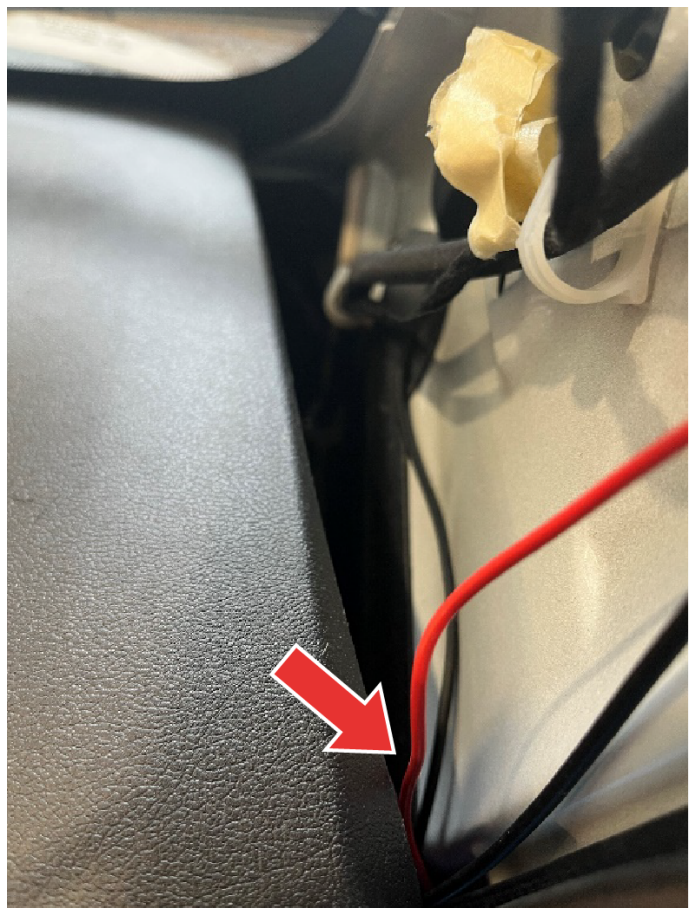
14. For installing DSRC and GNSS antenna, remove the A-pillar cover on the passenger side.
This is only clipped on and does not need to be unscrewed.



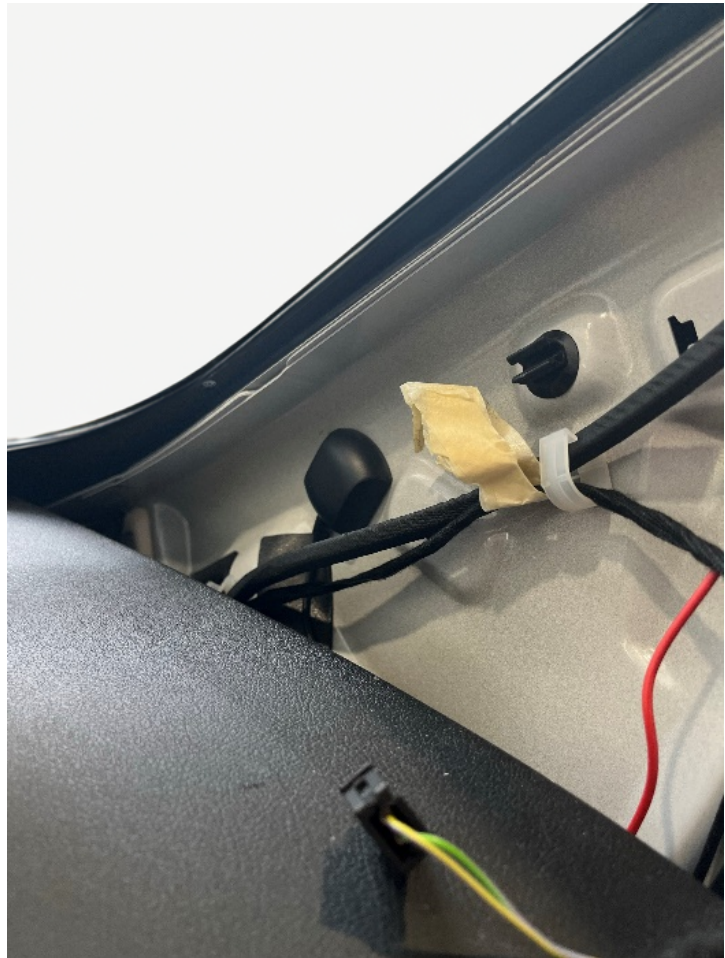
15. Pull the DSRC and GNSS cables upwards.

Both cables can be pulled upwards through the resulting gap.

Secure the cables in the passenger footwell with cable ties.



16. Attach the GNSS antenna as shown in the picture using suitable means, e.g. double-sided adhesive tape.



17. Run the DSRC cable up the A-pillar and attach it to the existing cables using cable ties.

If no cables are available, attach cable holders or mounting bases yourself and fasten the cables to them.

Route the DSRC cable in the roof lining to the centre of the windscreen. Route the DSRC cable out of the headlining so that the DSRC aerial can be connected.



18. Clip in and refit the covers on the A-pillar.
19. Refit the covers in the footwell and screw tight.

20. Attach the installation console above the glove compartment, connect the DTCO and slide it into the installation console.



After installing the DSRC antenna, its legally required functionality must be verified by means of a function test!

Reference to operating instructions

DTCO User documentation and Technical Product Manuals can be found in the TPH folder of your Workshop Tab.

