
SERVICE INSTRUCTIONS

REFERENCE: UPS-202301_A

DATE: 28.07.2023

SUBJECT: Smart Tachograph V2 Replacement for FMAX and Legacy Vehicles with ADR

Introduction

UPS-202301_A: Smart Tachograph V2 to be replaced in Legacy and FMAX vehicles with ADR.

Parts:

Part Number	Part Description	Qty
PPC46-17A266-B*	TACHOGRAPH – DTCO 4.1 EXP (W/ADR)	1

Labor will not be claimed; only parts will be claimed.

Special part number PPC46-17A266-B* for the tachograph with ADR created for the vehicles in stock. Orders will be placed from the headquarters for part/stock management.

General Information;

New labor, social and traffic regulations come into force with the EU Mobility Package I. To better control and enforce these standards, a technically enhanced EU tachograph is required. As early as August 21, 2023, all newly registered vehicles over 3.5 tons must be equipped with the new 2nd-version tachograph generation (Gen2). DTCO 4.1 is a tachograph that meets all the necessary requirements.

DTCO 4.1 smart tachograph will record the position and time of border-crossings and will require the driver to record load/unload operations as well as load type (goods/passenger). It will also increase the record storage from 28 to 56 days to allow for the changes to roadside enforcement of driving hours and rest periods. The DTCO 4.1 smart tachograph provides the ability to connect via bluetooth and enhanced security and robustness against GNSS jamming and spoofing attacks.

- The tachograph will have completely new control functions in the future, in line with the EU directives on cabotage and the posting of workers.
- The new tachograph will be mandatory in all newly registered commercial vehicles from August 21, 2023.

Service Application;

For replacement of the smart tachograph from DTCO 4.0 to DTCO 4.1 on FMAX and Legacy vehicles, the following changes must be applied:

- In FMAX vehicles, the tachograph is located in the upper storage area, and in the Legacy vehicles the tachograph is located on the right console.
 - **Location of Tachograph in FMAX;**



- **Location of Tachograph in Legacy;**



- The old version DTCO 4.0 tachograph should be removed from its place with the help of tachograph rods.

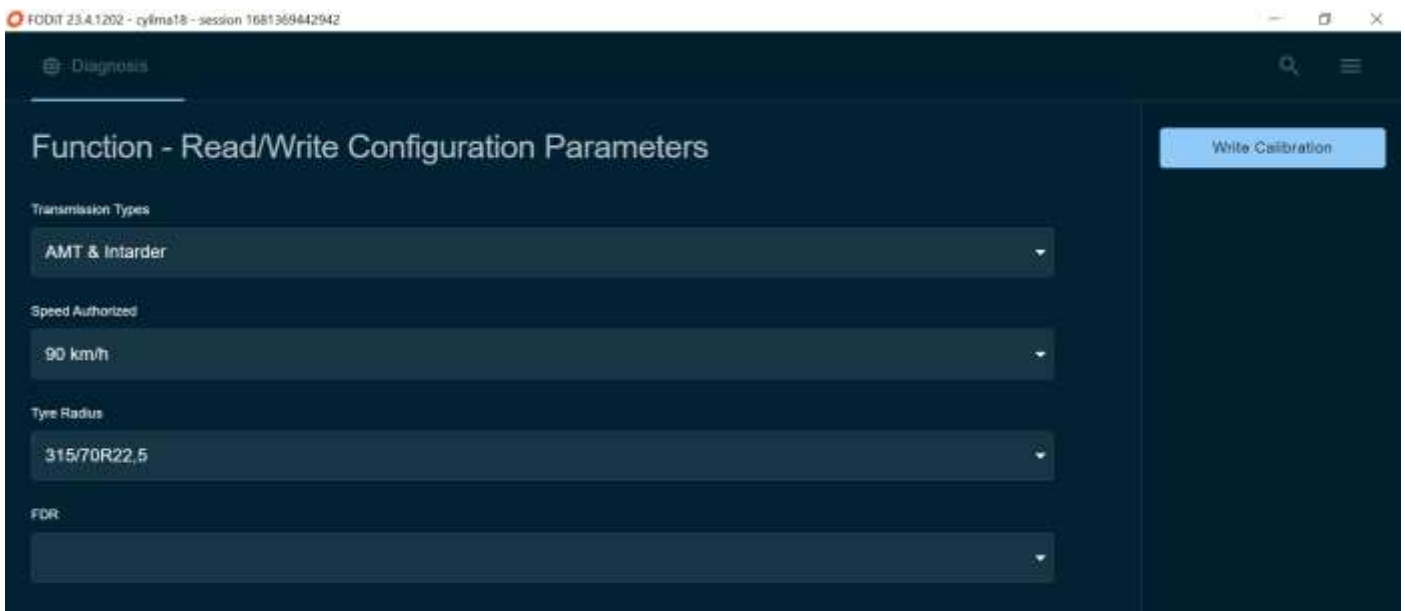
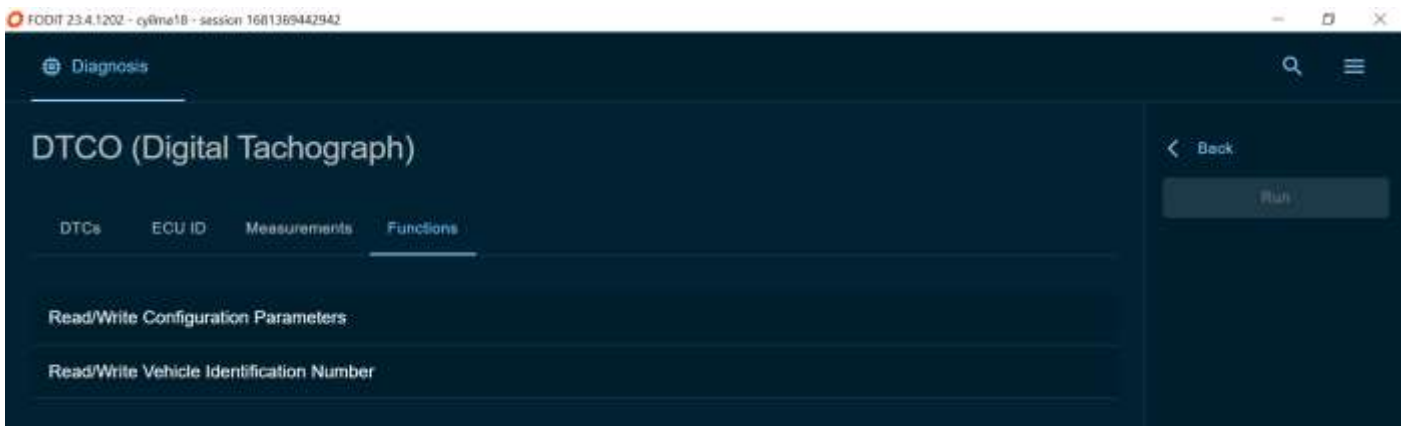


- The electrical wiring connections and antenna wiring connectors should be unplugged from the DTCO 4.0 tachograph.



- The connections of the new version DTCO 4.1 tachograph are also compatible with the old version tachograph connectors that have been removed. The connectors and antenna wirings of DTCO 4.0 should be plugged to the DTCO 4.1 version Smart Tachograph.

- The vehicle must be connected with FODIT and the vehicle's configuration parameters and VIN information must be entered on the FODIT screen. The DTCs should be cleared then the DTCs should be read and ensure that there are no DTCs in the DTCO 4.1.



Regards,
Ford Trucks Service Engineering
Ford Otomotiv Sanayi A.Ş.