Meta Trak

VOLKSWAGEN TRANSPORTER —25MY

META TRAK INSTALLATION MANUAL

Commercial Vehicles

PART NUMBERS

1 YEAR CONTRACT - ZGB000054003
3 YEAR CONTRACT - ZGB000054004
6 MONTH DEALER DEMO - ZGB000054005
DEMO 1 YEAR UPGRADE PACK - ZGB00054006
DEMO 3 YEAR UPGRADE PACK - ZGB00054007
SPARE DRIVER ID TAG - ZGB00054008

KIT CONTENTS

1x Meta Trak ECU,
2x Driver ID tags (1x included with Demo),
1x Power Harness,
2x Cable Ties,
2x Blue Duraseal Connectors
1x Red Duraseal Connector,
1x Red 6.3m Ring Connector,
1x Adhesive Primer wipe,
1x Micro Fuse link,
1x 2 Amp Micro fuse,

TECHNICAL HELPLINE

Tel: 020 3332 0128 Email: technical@metatrak.co.uk

PRE-INSTALLATION CHECKS

Carry out a functional check and test of the vehicle systems prior to starting the installation, in particular, the area to be worked on during the course of the installation.

INSTALLATION NOTES

Ensure prior to installation that the vehicle is in neutral and the vehicle battery is disconnected. Do not re-connect battery with the vehicle in gear.

Verify connection points with an intrinsically safe, VW Group approved multi-meter.

Where indicated, ensure all electrical connections are made using the approved VW Group methodology

Re-apply protective tape to any section of the vehicle harness exposed during installation.

Always secure wiring harnesses away from any moving parts

Treat any drilled holes with an appropriate anti-corrosion paint/spray.

VOLKSWAGEN VEHICLES CONNECTION METHODOLOGY

Refer to ELSA prior to making any electrical connections; all electrical connections must be carried out using the Duraseal methodology (see below)
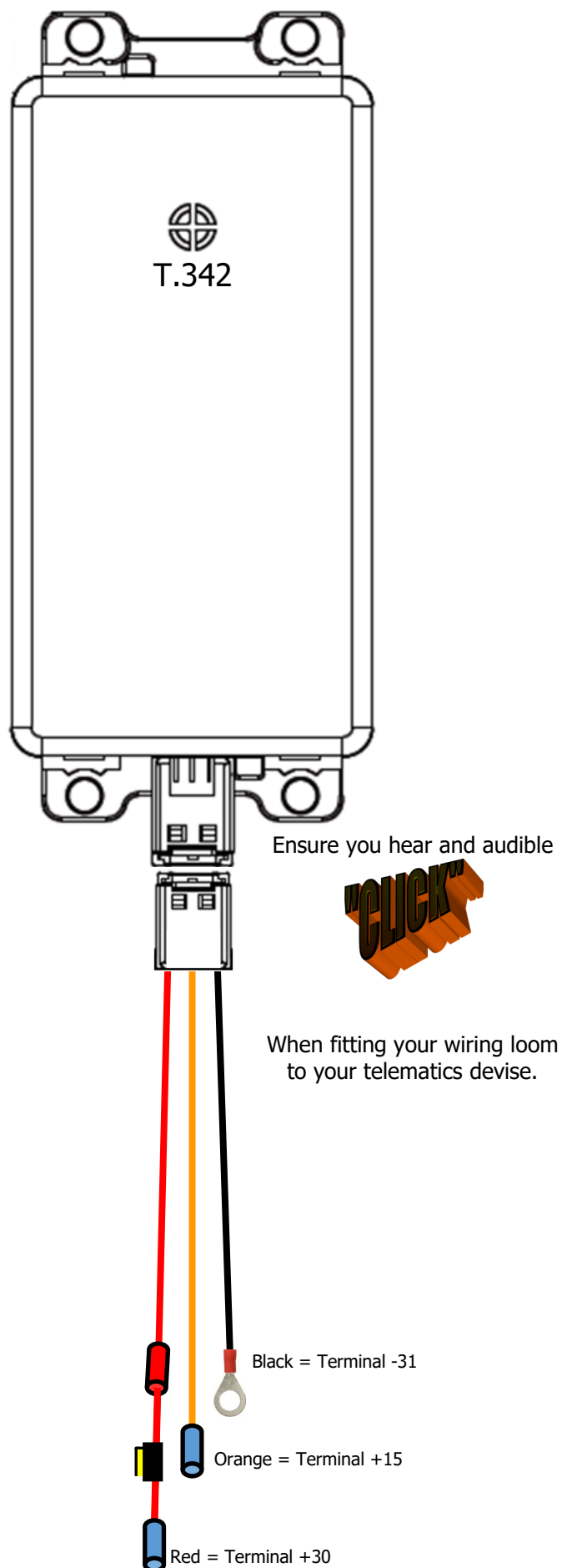
- Place the heat-shrink tubing over the terminal and allow 5mm overlap, heat-seal using tool 1978/14 and shrink element 1978/15.
- Repeat the operation to complete double insulation process.
- Cut the wires intended for connection and strip back the insulation by 10mm.
- Twist the exposed cable, (where two wires enter the Duraseal Connector at the same end twist the cable together and trim surplus to leave 6mm of exposed cable.
- Place a Duraseal connector in an approved crimping tool and insert the intended wire(s) into one end, apply pressure to the crimps and maintain the pressure for approximately 5 seconds after the jaws have closed.
- Repeat the process at the opposite end of the Duraseal Connector.
- Using the Hot Air Blower 1978/14 and Shrink Element 1978/15, heat the Duraseal Connector until the sleeve seals at both ends of the connector.

T.342 INSTALL DIAGRAM

T.342

The control unit can be mounted in any position, all aerials and sensors are built into this one unit.

When Fitting please refer to the diagram opposite.

Ensure you hear and audible

"CLICK"

When fitting your wiring loom to your telematics devise.

Black = Terminal -31

Orange = Terminal +15

Red = Terminal +30

CREATING A NEW CUSTOMER CONTRACT (SALES ADMINISTRATION)

1. STARTING A NEW CONTRACT

Log into the Meta Trak website https://adm.metatrak.it/ using the detail supplied to you.

Click on "Contract Search" on the top left of the screen and then scroll down the pop up menu and select "New Contract"

2. CREATING A NEW CONTRACT

Complete each box as required

(Account number is only required if the customer is adding this to an existing Meta Trak account)

Ensure that the Customer info mobile number input is the mobile phone the customer wishes to use the Meta Trak app on. Ensure that when inputting the mobile number you replace the first digit "0" with 44.

Security Question and Answer field information should be input as below, The question can be anything the customer wants it to be.

Q = (I.E customers First car)
A = (VW Polo)

Once all of the data has been input click "Next" located in the bottom corner.

3. INPUTTING VECHICLE SPECIFICATION

Input the vehicle data,
Vehicle Type: Car
Vehicle Make: Volkswagen
Vehicle Model: (Select from drop down menu)
Vehicle Registration: (Input the specific Reg)
Vin: (Input the specific Chassis number)
Vehicle Colour: (Input the specific bike colour)

Once all of the data has been input click "Next" located in the bottom corner.

Device

IMEI: _____

OBU serial number: _____

[Previous] [Next]

IMEI
3581740662258022
S.N.
1511003277709001355
da applicare sul voucher

4. ALLOCATE THE DEVICE

Input the unit IMEI and Serial numbers into the designated boxes.

Once all of the data has been input click "Next" located in the bottom corner.

The next page is a contract summary, ensure all the data you have input is correct and then click "Next" located in the bottom corner.

Finally, click next again.

Contract setup is now complete, make a record of the customer contract number and exit the screen, the device is now ready for installation by your technician who can then activate the product once the installation is complete.

Or if you wish to carry out the initialisation process now continue to the next step below.

DEVICE INITIALISATION / PRINT CONTRACT

ACTIVATION OPTIONS

- 1. To Initialise the device **NOW** - Send 'INITIALISATION' check values in 'System Values', verify Status = ACTIVATED, send 'Get Position', check position.

- 2. To Initialise the device from here **LATER - DO NOT CLICK 'FINISH'!** When ready to initialise the device select the contract from the contract list, then proceed as per point 1.

- 3. To Initialise the device using **MT Installer** click Finish.

Please follow on screen instructions, paying particular attention to "click finish" once happy with all information entered. Located at the bottom of the screen on the left. Next screen to appear will be a chance to view and print contract. However, a copy of the contract will be emailed to the email address the account has been set up in.

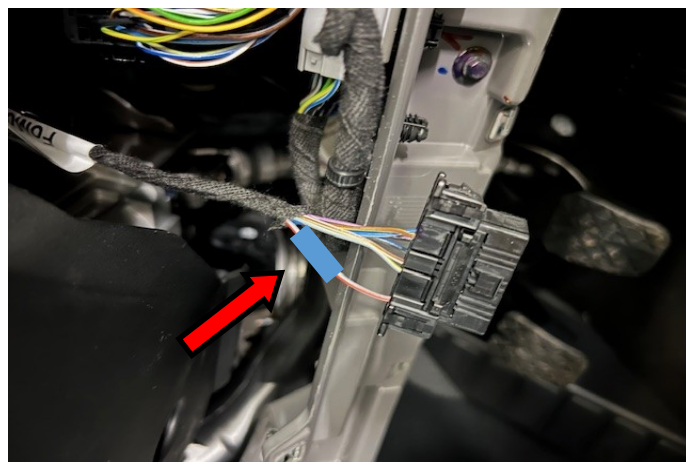## VOLKSWAGEN TRANSPORTER 25MY

1. ECU LOCATION

Trim Removal— Drivers side kickwell.

Using supplied alcohol wipe clean mounting point ensuring surface is clean from any grease or dirt. Connect the power harness and then secure the T.342 ECU in a well hidden position. Such as inside the top of the dashboard behind sound deadening with the supplied adhesive pad and cable ties, as shown in the photograph opposite.

Route the power harness to the lower drivers side dash area.

2. +30 CONNECTION

Route the +30 Red wire of the T.342 ECU to the black OBD connector, drivers side under dash. Strip back the harness tape and splice connect into the White/Brown wire, pin 16, using the supplied fuse holder and duraseal connectors.

Ensure that all wires are taped and routed alongside existing vehicle harness.
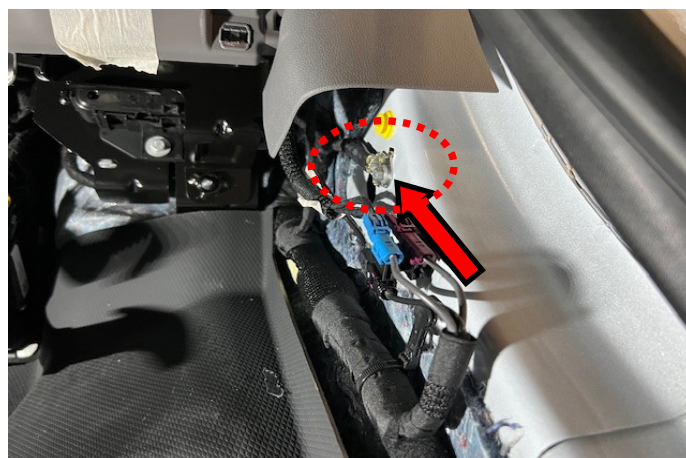
REFER TO IMAGE AND DIAGRAM PAGE 2

3. + 15 CONNECTION

Route the +15 Orange wire from the T.342 ECU to the Grey 3 way connector on the rear of the 12v outlet, in the centre console. Splice connect into the White/Orange wire, pin 3, using the supplied Blue duraseal connector.

Ensure that all wires are taped and routed alongside existing vehicle harness.

REFER TO IMAGE AND DIAGRAM PAGE 2

4. –31 CONNECTION

Route the Black wire of the T.342 ECU to the ground point located in the drivers kickwell. Crimp on the supplied Red ring connector and connect to the M6 stud, re-fit retaining bolt, tighten as per Elsa torque settings.

Ensure that all wires are taped and routed

alongside existing vehicle harness.

SYSTEM INITALISATION AFTER FITMENT OF THE PRODUCT (INSTALLER)

Step 1.

Log into the Meta Trak website https://adm.metatrak.it/ using the detail supplied to you.

Click on "Contract Search" on the top left of the screen and then scroll down the pop up menu and select "Contract Search"

Step 2.

Select the relevant customer/vehicle from the contract list (or use the search fields); verify the IMEI No is the same as the one on the device you are installing. Click on the installation 'No.' to proceed.

(If not found check whether Sales Admin have entered the customer contract data).

Step 3.

Scroll to the bottom of the page and click on 'DEVICE INITIALISATION'

Step 4.

Click 'Device Setup' and send the 'Initialisation' command.

Step 5.

A number of commands will now be sent automatically by the Meta Trak server. After approx. 1min a position with address will be shown, as below.

(If no position becomes available within 1-2mins click 'Vehicle Position' and send the 'Get Position' command).

Step 6.

Check:
Device Mode   =   4
Internal Batt V   =   >2.3
External Batt V   =   +/- 0.3V vs. actual battery voltage
Ignition   =   ON, when full ignition is ON
                            =   OFF, when ignition is OFF

(If System Values data is not visible click on 'System Values').

Step 7. ID TAG OPERATION CHECK

ID-Tag Check (Step 4)

Switch the ID-Tags ON by pressing the central button 4 times for at least one second;
the red LED will now continue to flash once every 3 seconds

Step 8.

Switch the Ignition ON and check for an 'ID Tag recognised' event in the Event List.

	Event	Event date	Reception date/time	Delay/Age
⊞	ID Tag recognised	14.03.2018 15:01:34	14.03.2018 15:01:36	2s.
⊞	Ignition ON	14.03.2018 15:01:28	14.03.2018 15:01:32	4s.
⊞	Ignition OFF	14.03.2018 15:01:08	14.03.2018 15:01:24	16s.

Step 10.

To test more than one ID-Tag at the same time

Ensure all ID-Tags have been switched on and the LED is flashing.
Switch the Ignition ON and check for 'ID Tag recognised' events in the Event List.
(*There may be more than one event for the same ID-Tag*)

Now check for the MAC code (*printed on the RED Code Card attached to the ID-Tag*) from each ID-Tag within the 'ID Tag recognised' events.

Click on '+' to the left of the event to expand it.
Check the following events in the same checking for the MAC code of the other ID-Tags.

	Event	Event date	Reception date/time	Delay / Age
⊞	ID Tag recognised	14.03.2018 15:19:24	14.03.2018 15:19:27	3s.
⊞	ID Tag recognised	14.03.2018 15:19:22	14.03.2018 15:19:23	1s.
⊟	ID Tag recognised	14.03.2018 15:19:03	14.03.2018 15:19:05	2s.

Map XML

Time	14.03.2018 15:19:03
Latitude	52,714216
Longitude	-1,368797
Altitude	0
Course	196
GPS	3
Glonass	2
Speed	0
Address	10 Forest Rd, Coalville LE67 3SH, UK
dop	<hdop>6</hdop><pdop>8</pdop><vdop>5</vdop>
driver_tag	<battery_status>false</battery_status> <button_pressed>false</button_pressed> <button_pressed_long>false</button_pressed_long> <button_pressed_twice>false</button_pressed_twice> <id>1</id><mac>98072DA97001</mac>
raw_event	30
ajacent_event	40
transport_crc_ok	true
created_at	1521040743
from_log	true
time	1521040743

	Event	Event date	Reception date/time	Delay / Age
⊞	Ignition ON	14.03.2018 15:18:57	14.03.2018 15:19:03	6s.
⊞	Ignition OFF	14.03.2018 15:10:49	14.03.2018 15:10:59	10s.

⚠️

Ensure testing is completed BEFORE clicking 'Finish'. You will not have access to the device after clicking 'Finish'

Finally, attach the ID-Tags to the vehicle keys.

Meta Trak Dealer Demo Key Tag

Attach the Key Tag included in the kit to the demonstrator keys.