



Ford



TRANSIT AND TOURNEO CUSTOM PLUG-IN HYBRID

USER MANUAL

This manual provides an overview of driving and charging your Transit or Tourneo Custom Plug-In Hybrid Electric Vehicle*.

Please refer to the vehicle Owner's Manual for health and safety precautions, as well as further information on charging. Your vehicle Owner's Manual can be downloaded directly from the Ford website within the Owner's section.

*This guide also applies to the Transit Kombi Trend Series.



CHARGING YOUR PLUG-IN HYBRID

When charging your vehicle, best practice is to charge via the mains plug. This reduces fuel consumption and improves total cost of ownership. It's the only way to charge the battery to 100%.

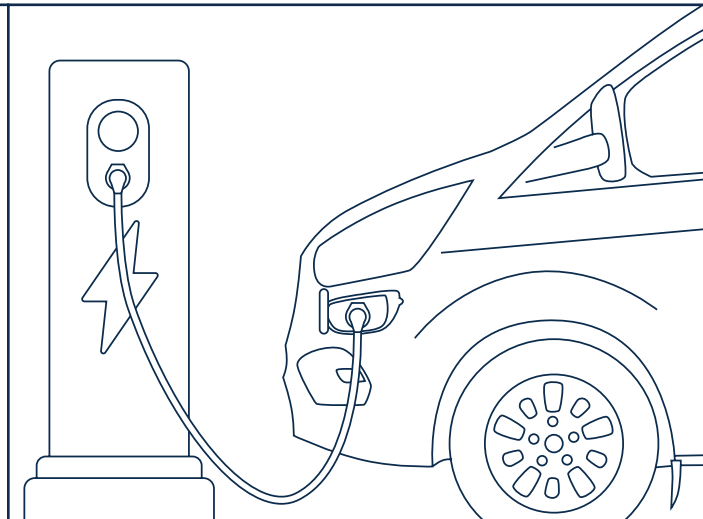
Charging via the range extender will charge the battery to approximately 75%.

The displayed estimated range is based on previous driving patterns.

There are two different cables you can use to charge your vehicle:

PUBLIC CHARGE CABLE

- Plug one end of the 7-pin Type 2 charging lead into the vehicle and the other end into the charging point
- After charger activation, the vehicle can achieve full charge within 2-3 hours*



DOMESTIC CHARGE CABLE (240 V)

- Make sure that the AC outlet is properly grounded and in good condition
- Use a dedicated circuit, which means you cannot have other appliances connected to the same circuit
- Plug one end of the supplied charger into an electrically sound 3-pin socket
- Plug the other end into the vehicle to enable charging
- The vehicle will charge from empty to full in 4.5-5.5 hours*

PUBLIC CHARGE CABLE

(optional)



DOMESTIC CHARGE CABLE

(supplied)



*Charging time depending on ampere used.



CHARGING LIGHTS

There is a light ring around the charge port that illuminates in various colours, to inform you of the state of charge:



WHITE

The courtesy light when you open the flap



BLUE

Displays the state of charge in 5 sections (0-20%, 20-40% and so on)



SOLID OR FLASHING RED

Indicates a charging issue

If there is an issue with the charging equipment, try the following:

- Turn off and disconnect the vehicle for a couple of minutes and try again
 - If the problem persists, try another charging point
- Please refer to the vehicle Owner's manual for further assistance.



LOCK/UNLOCKING THE CHARGING CABLE

- When you lock the vehicle the charge port will also be locked in position, ensuring no-one else can access your vehicle when you are not present
- To unlock the charge cable, unlock your vehicle and then press the 'Cord Unlock' button

Unlocking the charging cable manually

- If the charging cable cannot be removed, the locking mechanism can be released manually. Please consult your vehicle Owner's Manual



**UNLOCK
BUTTON**



EV MODES

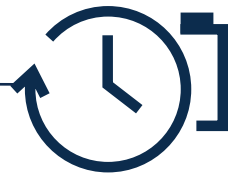
- Four Electric Vehicle (EV) modes allow users to choose how and when to use the available battery charge
- Drivers can make full use of Plug-In Hybrid's EV capabilities and flexibility by managing when and where to use their power sources
- At the push of a button, customers can switch between the following modes:

EV NOW



- EV Now is automatically selected if the vehicle is switched off when in EV Now
- Uses electric power only, until the range extender is required to charge the battery
- This is the ideal mode for urban and city driving and enables travel in Ultra Low Emission Zones (ULEZ)

EV LATER



- Maintains the current level of charge, ideal if you're travelling from the country towards the city
- If the vehicle has been fully charged to 100% via mains electricity, it will automatically start in EV Now. Once the battery State of Charge (SoC) has dropped to around 75%, EV Later will hold this charge for when entering a city or urban area
- EV Later, reserves approximately 25% of battery capacity in order to allow full use of regenerative charging in this mode

EV AUTO



- This is the default setting if the prior selection was EV Auto, EV Charge or EV Later. EV Auto intelligently determines how to use the available energy sources at any particular time
- Once the available battery power has been utilised, the range extender engine will then run to produce power, assisting the battery
- If maximum power is required or for starting up the vehicle on cold days, the engine may also run in EV Auto

EV CHARGE



- EV Charge mode can be used if you haven't had a chance to charge your vehicle and want to use it in a city centre or ULEZ
- You can engage EV Charge at any battery level, with around 25% reserve to allow capacity for regenerative charging
- It will take about 50 miles of mixed driving to charge the battery from minimum* to approximately 75%
- EV Charge should not be used as a substitute for charging your vehicle from a charge point or mains supply
- It is the least efficient mode of driving for fuel consumption and CO₂ production

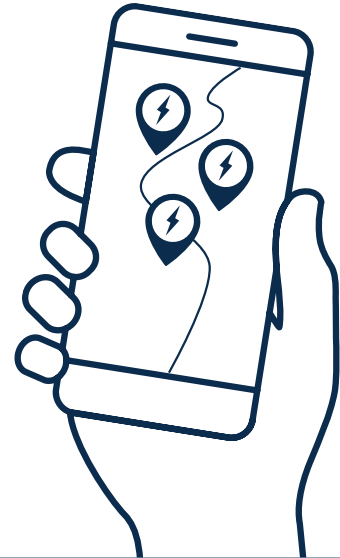
* Please refer to the vehicle Owner's Manual for minimum charge requirements.



FORDPASS CONNECT

- With FordPass Connect you can find your nearest EV Charging Stations to help with the running of your Plug-In Hybrid
- You can find more detailed information on the Ford website

FIND YOUR NEAREST EV CHARGING STATIONS



EV NOW NOT AVAILABLE

- If the engine is required to run support tasks, including clearing and cleaning emissions components the 'EV Now not available' pop-up message will appear in the instrument cluster until the tasks are complete

WHAT TO LOOK OUT FOR

- If the ambient temperature is consistently below -15 degrees, EV Now is not available until the vehicle warms up
- If the battery State of Charge (SoC) is too low to support EV Now, charging will be required

CLEARING THE TASK

- In order to help clear the task, work through the following steps:
 1. Ensure the vehicle fuel level is above 25%
 2. The battery SoC must be above 75%. To increase battery SoC drive the vehicle in EV Later. Ensuring the air conditioning is running will decrease the time required
 3. Once the battery is above 75%, select EV Charge and remain stationary for 20 minutes
 4. Select EV Later and ensure the air conditioning is running to decrease the time required
 5. When the combustion engine stops in EV Later, EV Now mode should be available to select

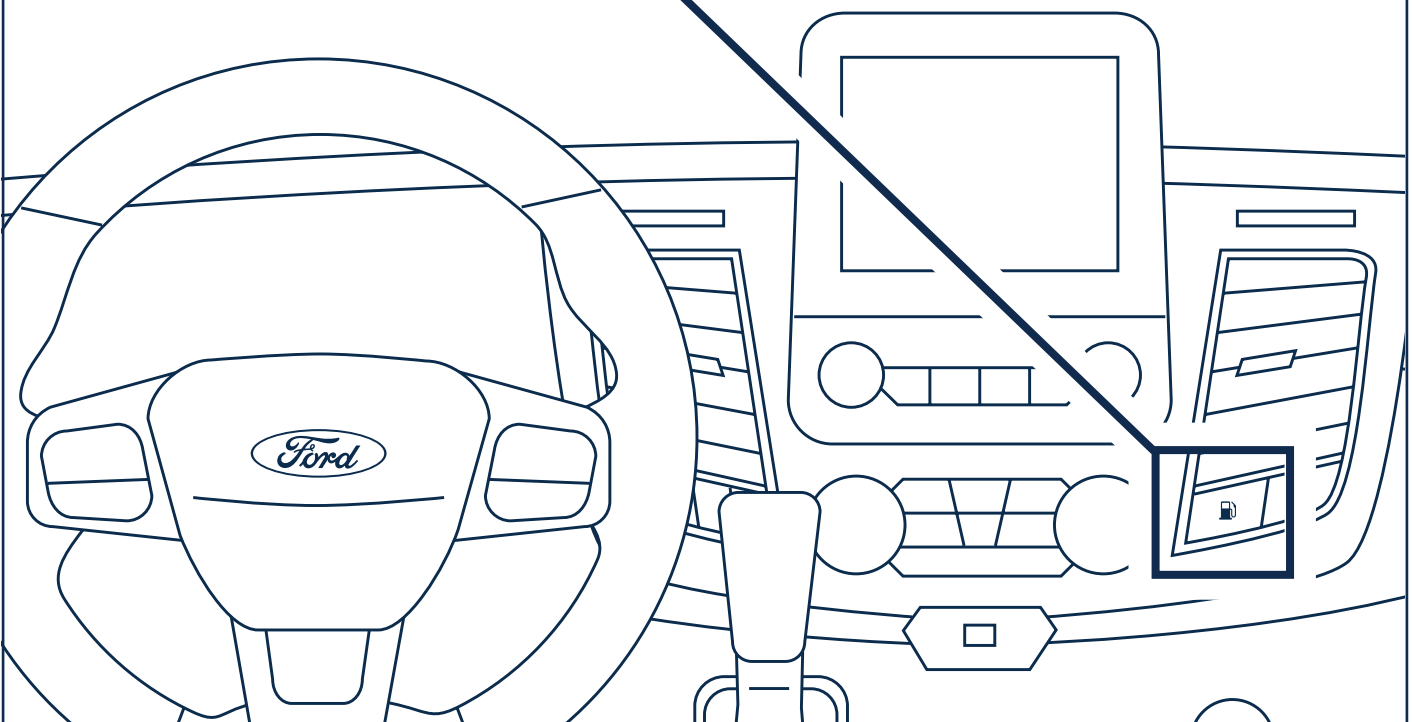


FUELLING YOUR PLUG-IN HYBRID

- Your Plug-in Hybrid vehicle requires regular unleaded petrol
- To open the fuel flap push the button below the passenger side air vent. Do not pull on the flap to open
- The vehicle will vent the fuel pressure before allowing the flap to open. This can take up to 20 seconds. A message will appear on the instrument cluster, 'fuel door opening'
- Once the pressure has vented this will be replaced with the message 'fuel door open'
- The vehicle is equipped with a Ford Easy Fuel® capless filler, ensuring it cannot be misfueled
- If the fuel flap does not release with the button, please consult your vehicle Owner's Manual



FUEL FLAP RELEASE BUTTON





DRIVING YOUR PLUG-IN HYBRID

- After familiarisation with the controls of the vehicle, you must insert the key into the ignition whilst the vehicle is in Park (P) or Neutral (N) on the gear selector
- Press down on the brake pedal, turn the key to the second and then third position. Wait for the green symbol in the instrument cluster to alight
- The vehicle is now ready to drive. Move the gear selector to either D (Drive), L (Low) or R (Reverse) and safely pull away
- The battery State of Charge (SoC), fuel level, gear position and range are shown below the centre display
- When you scroll through your mode options, they will also appear in the centre display
- In place of a REV counter there is a power consumption gauge in the cluster on the left-hand side. This indicates how much energy you are recuperating and how much power you are using during acceleration
- By keeping this gauge in the blue when driving you will achieve maximum efficiency and EV range. When this gauge is in the green zone, you are benefiting from energy recuperation

BLUE ZONE

Maximum efficiency and EV range

GREEN ZONE

Benefiting from energy recuperation



SERVICE DISCONNECT

- All electric vehicles have a Service Disconnect; when removed the high voltage system is disconnected
- This is necessary for professional technicians to work on vehicles safely
- On your vehicle this is a green lever, located under the bonnet, on the right-hand side
- The Service Disconnect should only be used by authorised, trained personnel



REGENERATIVE DECELERATION

- Transit and Tourneo Custom Plug-In Hybrid are equipped with regenerative technology
- There are two levels of regenerative charging, enabled by shifting the gear selector to either D (Drive) or L (Low) mode:

D (DRIVE)

- When lifting off the accelerator pedal in standard D mode the vehicle slows, a similar sensation to the engine braking in a conventional vehicle
- The power gauge needle then shifts to the green area of the display, demonstrating that energy is flowing back into the battery
- To increase energy efficiency, think ahead when driving and remember to slow down in advance of junctions and roundabouts. This will increase the effectiveness of regenerative deceleration, reducing fuel consumption and increasing EV range

L (LOW)

- When lifting off the accelerator pedal in L mode, you will experience up to twice the level of regenerative deceleration, illuminating the brake lights as necessary
- L mode facilitates near one-foot driving reducing driver stress and brake-wear
- Moving the gear selector to L position increases energy stored from deceleration
- The power gauge needle will shift further into the green zone of the power gauge
- However, the rate of regenerative deceleration can be modulated by not lifting off completely
- When the battery is approaching full charge, regenerative charging is reduced until the battery is partly depleted
- Driving in L mode may provide improvements in efficiency and EV range



**ENERGY CREATED
FROM DECELERATION IS
CONVERTED BACK INTO
ELECTRICAL CHARGE FOR
THE VEHICLE BATTERY**



CHARGING THE HIGH VOLTAGE BATTERY

IMPORTANT SAFETY INSTRUCTIONS TO PREVENT FIRE OR ELECTRIC SHOCK

- The PHEV battery charging equipment has arcing or sparking parts. Do not expose to flammable vapours. Position the PHEV battery and charging equipment at least 18 inches (450 mm) above the floor
- The AC wall plug must fit firmly into the AC outlet. If the connection feels loose, worn or the AC outlet is damaged, please have a qualified electrician replace the AC outlet. Using a 240 V domestic charge cable with a worn outlet may cause burns, property damage and increase the risk of electric shock
- Do not use the 240 V domestic charge cable with an extension cord, two-prong adapter, surge protector, timer or other adapter
- Do not allow the PHEV battery or charging equipment to be immersed in water or liquids. Failure to follow this warning could result in fire, serious personal injury or death
- Do not attempt to open the PHEV battery or charging equipment if it is faulty or has been damaged. Failure to follow this warning could result in personal injury, death or property damage
- You risk death or serious injury to yourself and others if you do not follow the instruction highlighted by the warning symbol. Failure to follow the specific warnings and instructions could result in personal injury
- Do not use an ungrounded wall outlet. If you suspect that the wall outlet is not properly grounded, have a qualified electrician inspect the wall outlet. Failure to follow this instruction could result in personal injury or death
- Do not modify the 240 V domestic charge cable. If the 240 V domestic charge cable does not properly fit into the wall outlet, have a qualified electrician install the correct wall outlet. Failure to follow this instruction could result in personal injury or death

Note

The PHEV battery and charging equipment must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. The PHEV battery and charging equipment comes with a cable, an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.