



Rolls-Royce CarData Telematics Data Catalogue

The Rolls-Royce CarData Telematics Data Catalogue provides you with an explanation of the telematics data that your motorcar regularly sends to Rolls-Royce as part of the Rolls-Royce Teleservice service. This includes vehicle metrics and measurements generated by sensors in your motorcar, such as the mileage and check control messages.

The telematics data has been divided into the following categories: 'Vehicle status data', 'Usage-based data', and 'Events-related data' for easy reference. The below list details all available data elements, however please note that the quantity and type of telematics data transmitted by each motorcar will vary, depending on the vehicle and drive type, the model, the model year and special accessories.

Basic data of a vehicle

CarData Element	Description
Basic vehicle data	This value indicates a list of basic vehicle data, e. g. vehicle brand and full model name.
List of optional equipment	This value indicates a list with information about the optional equipment of the vehicle.

Data on the status of a motorcar

CarData Element	Description
Availability of teleservices ¹	This value indicates whether teleservices are available for this vehicle.
Battery voltage ¹	The value indicates the current battery voltage in the vehicle's electrical system. This value is always given in voltage, e. g. 14. 4 V.
Check control messages ¹	Check control monitors functions in the vehicle and notifies the user when there is a fault in the monitored system. A check control message is displayed as a combination of indicator lights or warning lights and text messages on the dashboard, and on the head-up display, if applicable.
Condition Based Service ¹	Sensors and special algorithms take into account the operating conditions of the vehicle. CBS uses this to determine the required service. The system hereby adapts the scope of the service to the individual usage profile.
Coolant temperature ¹	The value indicates the current coolant temperature in degrees centigrade or Fahrenheit at the time of data collection.
Date and time in vehicle ²	These values indicate the time shown in the vehicle at the time of recording the data.
Date of next inspection ¹	This value indicates when the next inspection is due. A date will be shown respectively, for example 30. 09. 2018 23: 00 UTC or 09/30/2018 23: 00 UTC.

CarData Element	Description
Date of next service ¹	This value specifies when the next service is due.
Display unit of instrument panel in vehicle ¹	This value indicates the units (kilometres or miles) in which distances are indicated on the vehicle instrument panel.
Distance threshold for service information ¹	The static value indicated is stored in the vehicle and indicates the first time that the customer receives a mileage-related message to inform him that the vehicle will soon be due for a service. It is given in kilometres or miles (for example 2000km or 1243mi).
Distance to navigation destination ²	This value indicates the distance to the active navigation destination in kilometres or miles at the time of data collection. The values range from 0km to 100000km or from 0mi to 62137mi.
Distance to the next service ¹	This value indicates how many kilometres or miles remain before the next service at the time of recording the data.
Door status ²	This value indicates the status of the doors, but is only sporadically recorded and transmitted. Note: It is recommended to use only the individual door status instead of this value.
Environmental temperature (sporadically available) ¹	This value indicates the environmental temperature in degrees centigrade or Fahrenheit at the time of data collection, e. g. 16. 5°C or 62°F. The value always corresponds to the one also displayed in the vehicle.
Fault memory ¹	The fault memory provides information about errors or technical faults in the vehicle. This information is primarily intended for workshops. Errors that are displayed to the driver in the vehicle can be found under the CarData Element "Check Control messages". Details about this can also be found in the instruction manual for your vehicle.
Low-voltage battery ²	This value indicates the current charging status of the low-voltage battery in percentage at the time of data collection.
Mileage ^{1,2}	The value indicates the current mileage at the time of data collection.
Mileage data statistics ²	The value indicates the current mileage at the time of data collection. This value is redundant and is only determined when the regular mileage is not available on the speedometer. The values range from 0km to 100000km or from 0mi to 62137mi. Note: It is recommended to use only the regular mileage instead of this value.
Mobile phone connection ²	This value indicates whether a mobile phone was linked to the vehicle at the time of data collection or whether the connection status is unknown.
Motion status of the vehicle ²	This value indicates whether the vehicle was in motion at the time of data collection.
Navigation destination ²	This value indicates the coordinates of the active navigation destination at the time of data collection in milliarseconds.
Number of CBS reports ¹	The value specifies the maximum number of service notifications transmitted from the vehicle to BMW via telematics. The actual number of service notifications transmitted (see separate CBS key) varies depending on how the vehicle is used and whether relevant thresholds have been reached. Note: Not all Condition Based service messages which occur in the vehicle are also transferred.
Orientation of the vehicle ²	This value indicates the orientation of the vehicle in degrees at the time of data collection. If the value is 180, the vehicle is pointing directly south. If the value is 0, the vehicle is pointing directly north. The values thus range from 0 to 359. The determined orientation of the vehicle may differ from its actual orientation due to inaccuracies in the GPS positioning.

CarData Element	Description
Remaining range ²	This value indicates the remaining range of fuel in kilometres or miles at the time of data collection.
State of ignition ²	This value indicates whether the ignition was on or off at the time of data collection or whether the status is unknown.
Status of engine (on/off) ²	This value indicates whether the engine was on or off at the time of data collection or whether the status is unknown.
Status of lights ²	This value indicates whether the vehicle light was on or off at the time of data collection or whether the status is unknown.
Tank content ¹	The value indicates the current fuel tank level in litres or gallons at the time of data collection. Depending on the position of the tank float, the specified value may differ by up to 6 litres or 1.6 gallons.
The date when the brake fluid needs to be replaced ¹	This value indicates when the brake fluid should be changed. The value is shown as a date and time respectively, for example 31.12.2017 23:00:00 UTC or 12/31/2017 23:00:00 UTC.
Time threshold for main and exhaust gas inspection ¹	The threshold indicates how many months before the main and exhaust gas inspection is due the service advisor will be notified.
Time threshold for service information ¹	The static value indicated is stored in the vehicle and indicates the first time that the customer receives a message to inform them that the vehicle will soon be due for a service. This is given in weeks (for example 4).
Time to the navigation destination ²	This value indicates the arrival time at the navigation destination and is given in hours and minutes.
Vehicle altitude ²	This value indicates the height of the vehicle above sea-level at the time of data collection. The value range reaches from -100m to 6000m or from -328ft to 19685ft.
Vehicle position – degree of latitude ²	This value indicates the degree of latitude at which the vehicle was at the time of data collection. The degree of latitude could range from 0 (at the equator) to a maximum of +90 in the northern hemisphere or respectively -90 in the southern hemisphere. The GPS position is transferred independently of whether the GPS positioning has been activated or deactivated in your vehicle via the settings menu.
Vehicle position – degree of longitude ²	This value indicates the degree of longitude at which the vehicle was at the time of data collection. The degree of longitude could range from 0 (at the Greenwich meridian / Great Britain) to a maximum of +180 east or respectively -180 west of the meridian. The GPS position is transferred independently of whether the GPS positioning has been activated or deactivated in your vehicle via the settings menu.

Usage-based motorcar data

CarData Element	Description
Average distance per week ¹	This indicates the average volume of the distance travelled in kilometres or miles per week.
Average distance per week (long-life) ¹	This value indicates the weekly average travelled in kilometres or miles over a period of 2 months.

Data regarding the events of your motorcar

CarData Element	Description
Automatic Teleservice Call ¹	This value indicates at what time an Automatic Service Call (ASC) was initiated by the vehicle.
Intelligent emergency call - triggered automatically ¹	This value indicates at what time the vehicle automatically initiated an intelligent emergency call due to a detected accident. The intelligent emergency call is forwarded to a BMW call centre, where a rescue action is initiated according to the transferred vehicle data.
Intelligent emergency call - triggered manually ¹	This value indicates at what time an intelligent emergency call was manually initiated by the driver. The intelligent emergency call is forwarded to a BMW call centre, where a rescue action is initiated according to the transferred vehicle data.
Teleservice Battery Guard ¹	This value indicates at what time a battery guard call was initiated by the vehicle.

Data transfer:

The data mentioned above can be transferred from the motor car to the Rolls-Royce back-end data systems by the following Rolls-Royce Teleservice:

¹ Teleservices & breakdown assistance

² Intelligent emergency call