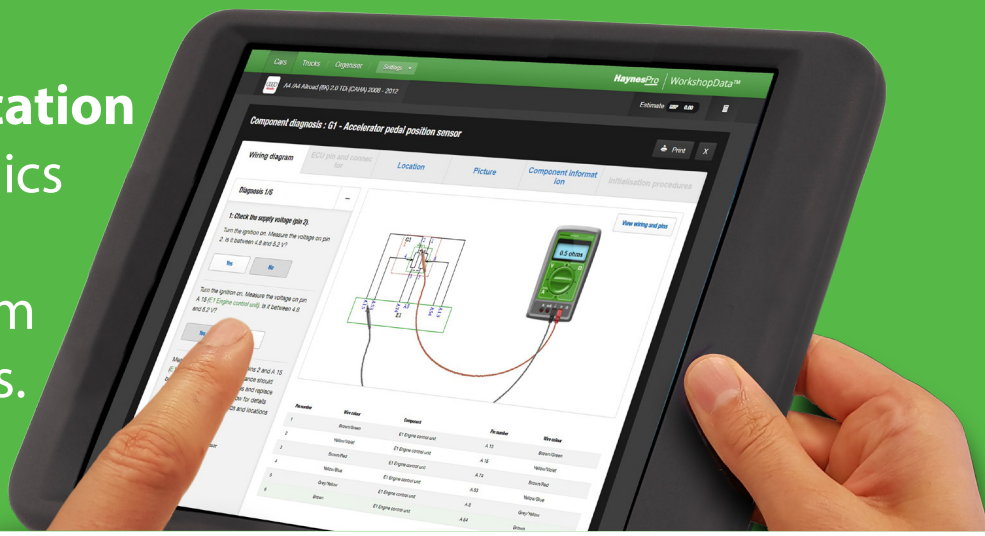
WorkshopData™
Electronics

WorkshopData™
CarSET
TruckSET

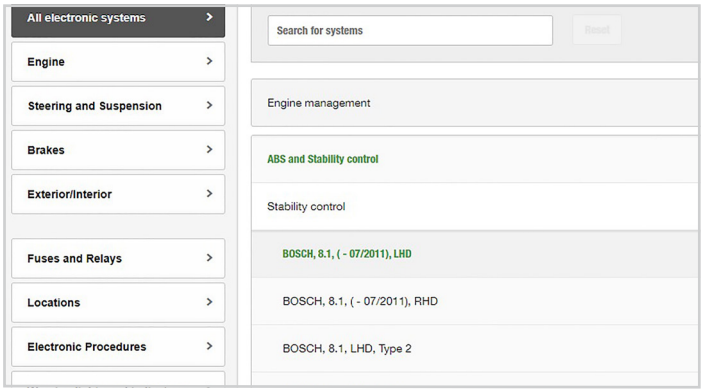
Clearly better data.

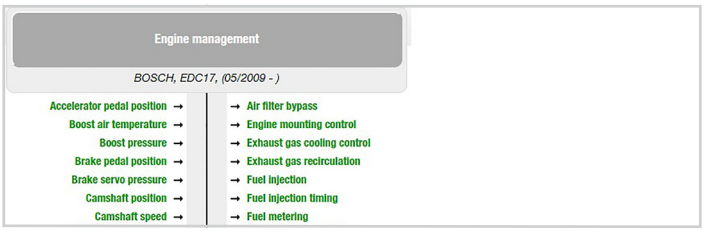
An innovative application which guides mechanics to a rapid, precise identification of system and component errors.

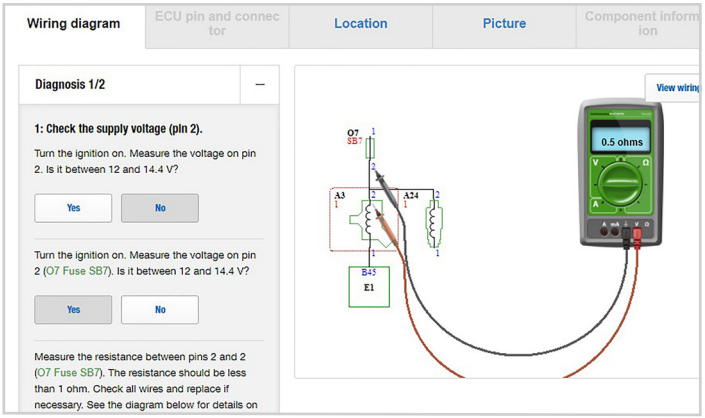


WorkshopData™ Electronics

HaynesPro's electronic data has always been an important aid to workshops. Nowadays, with **electrical systems and advanced technologies** becoming an ever more significant feature in modern cars, **it has become essential**. At its heart sits HaynesPro's exclusive **Vehicle Electronics Smart Assistant MK II (VESA™)**.







HaynesPro®

VESA MK II Guided Diagnostics

VESA MK II GUIDED DIAGNOSTICS

An innovative application for **electronics diagnostics**.

Probably unrivalled in the after-market arena, VESA is an innovative electronics diagnostics application. It is based on vehicle CAN-Bus data and helps mechanics diagnose faults and component errors. It takes an OEM's often bewildering and unfamiliar wiring schematic, converts it to a clearer, more readable format and then zooms in on the component and wiring under consideration.

Example A

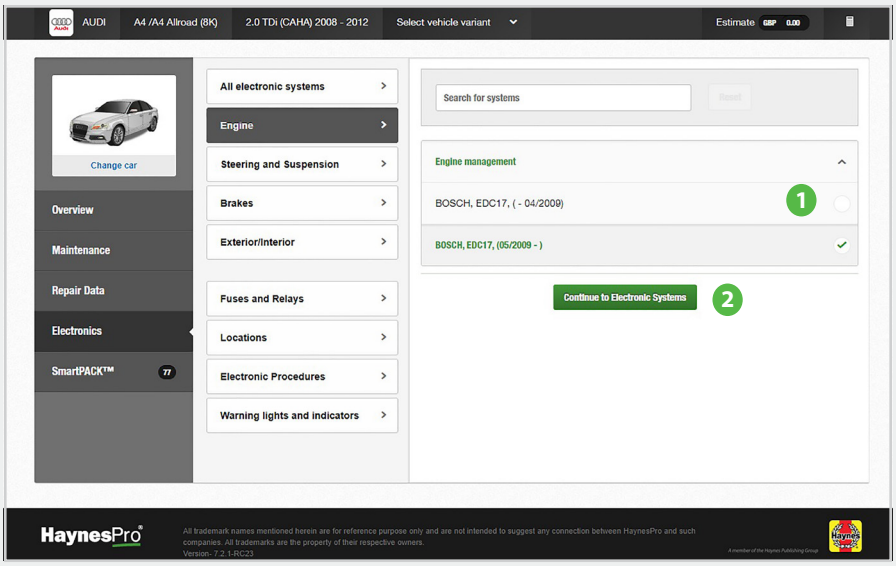
DIAGNOSTICS BY COMPONENT

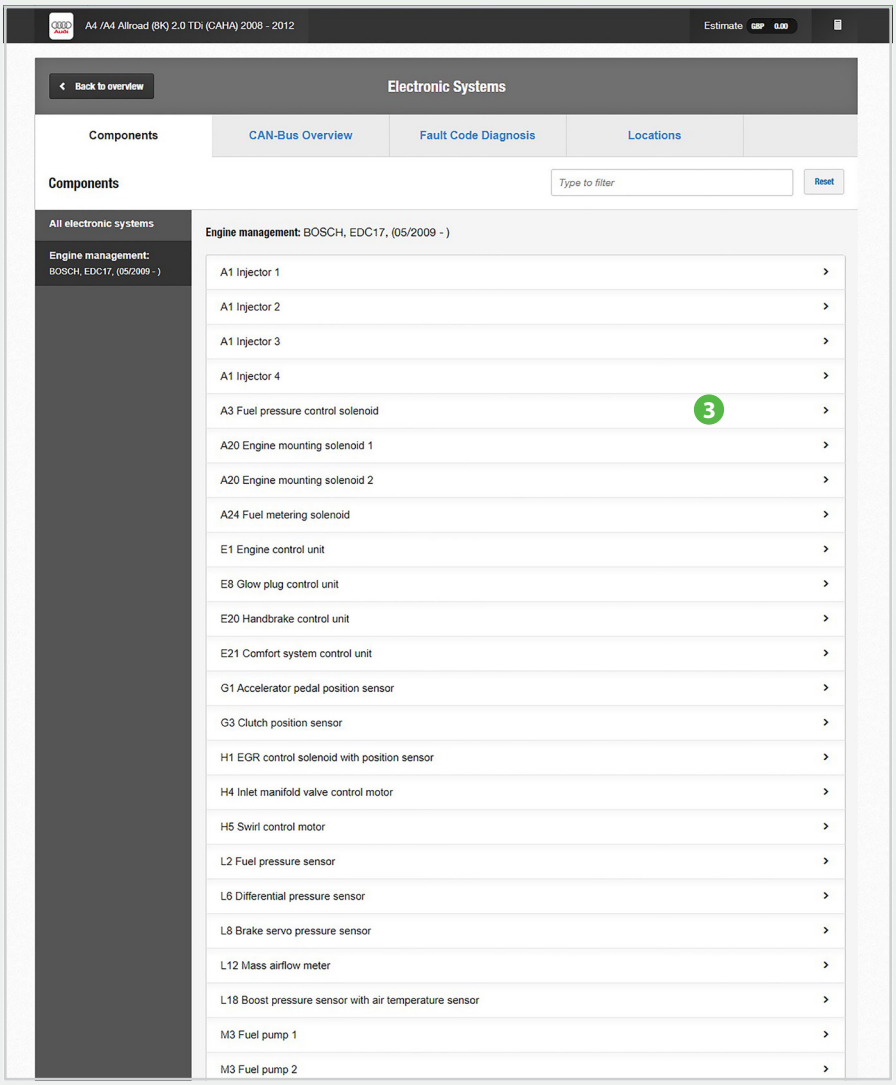
[Engine tab]

1. Select systems
2. Confirm selected systems

[Electronic systems page]

3. Select component





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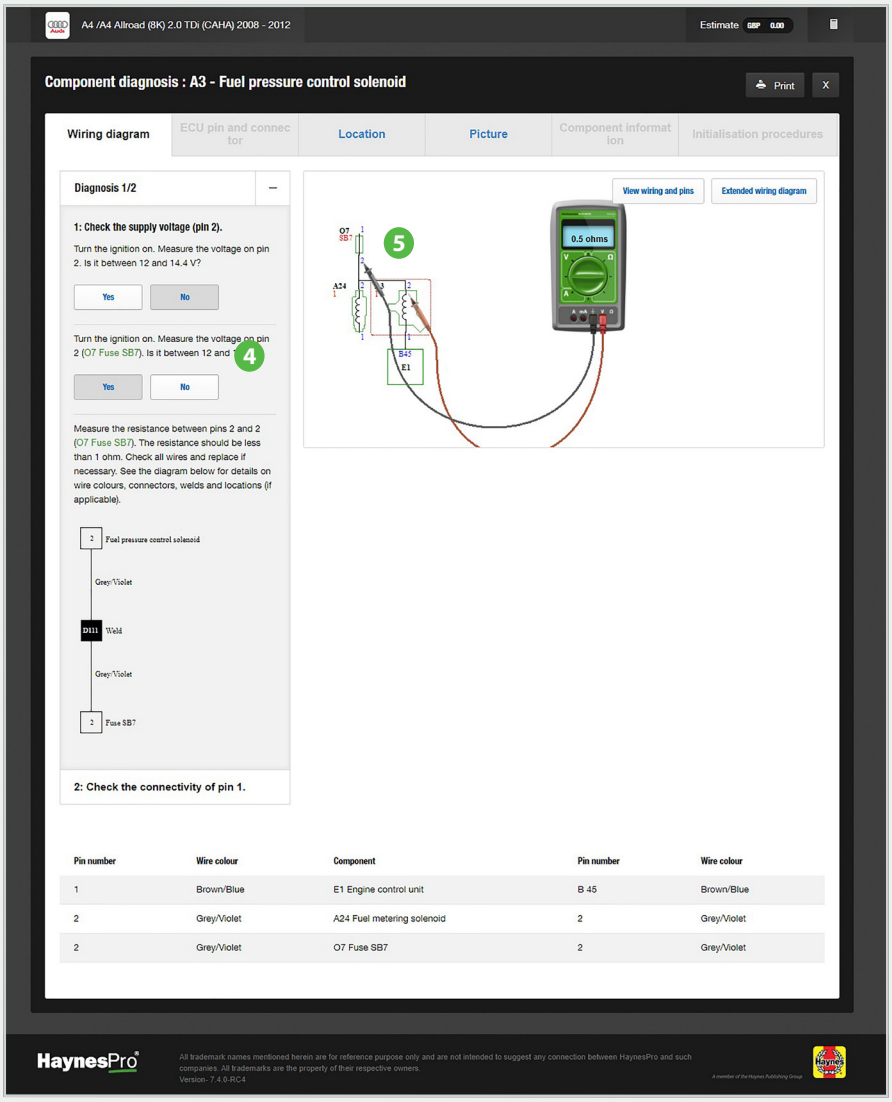
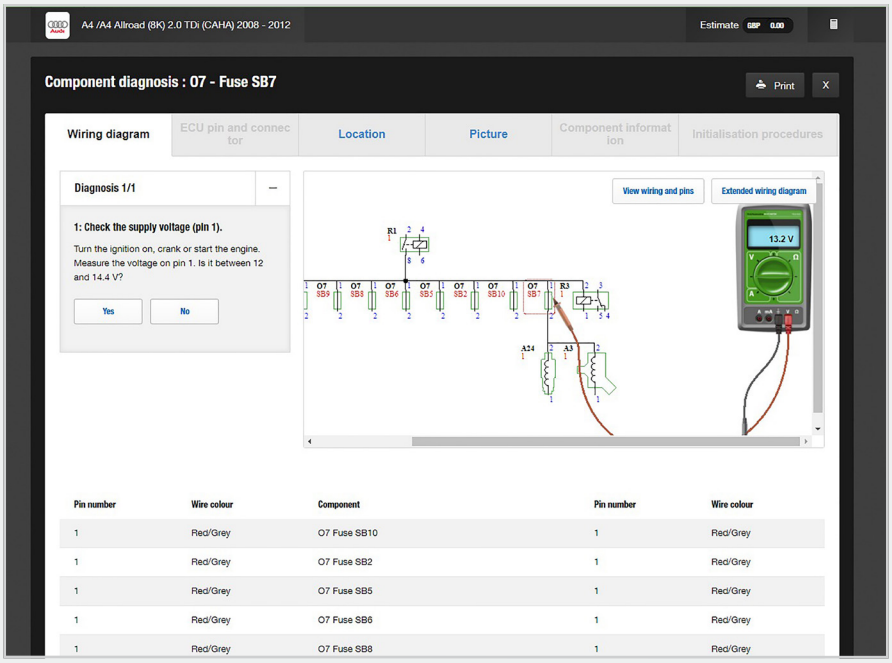




[Diagnosis page]

4. Answer the questions with *yes* or *no* until the component diagnosis is completed
5. or click in the wiring diagram to access the information for the selected component or fuse/ground point

Example B

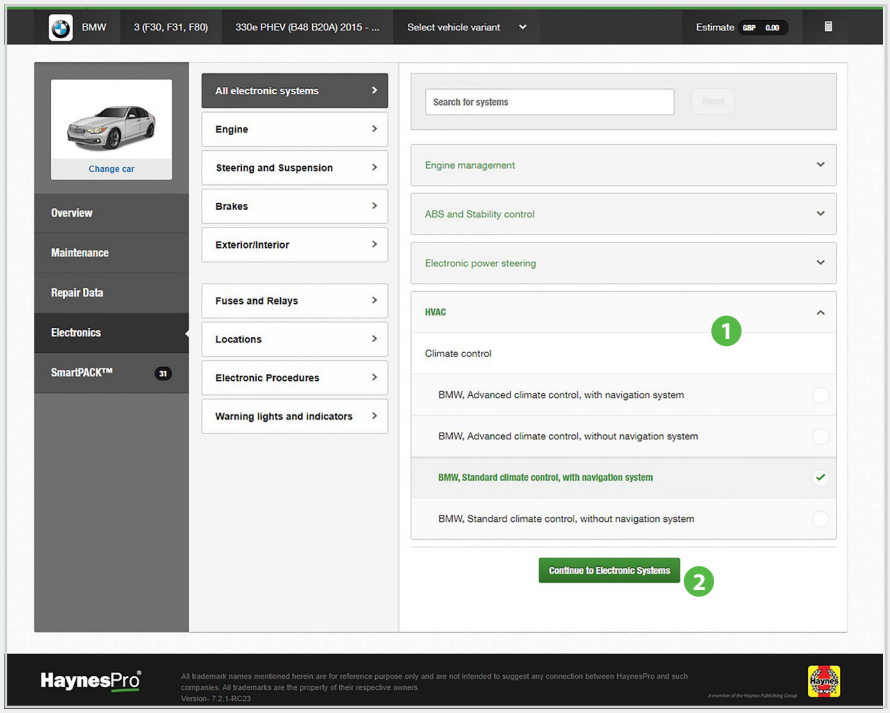
DIAGNOSTICS BY CAN-BUS COMPONENTS OVERVIEW

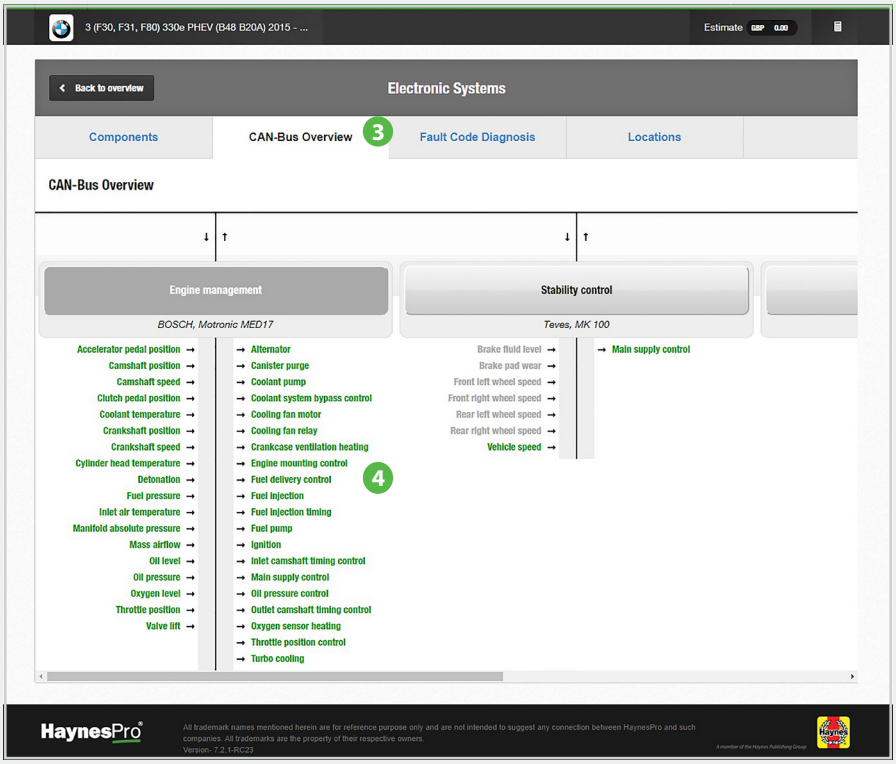
[All electronic systems tab]

1. Select systems
2. Confirm selected systems

[Electronic systems page]

3. Select CAN-Bus overview tab
4. Select signal





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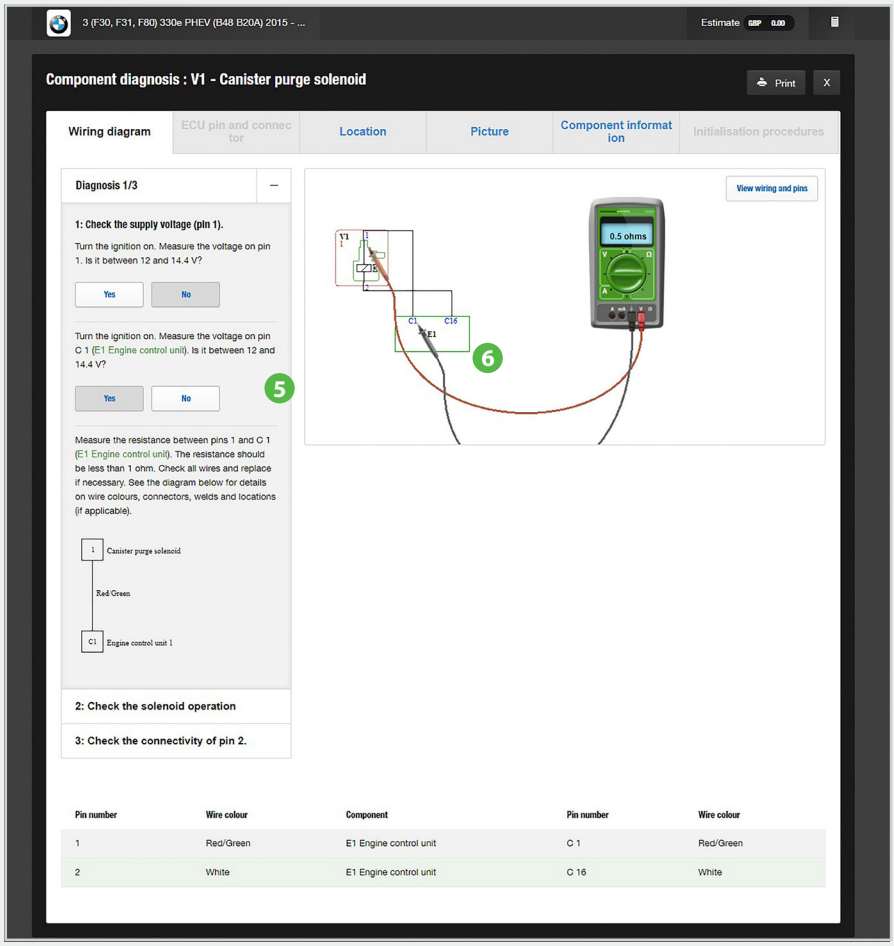
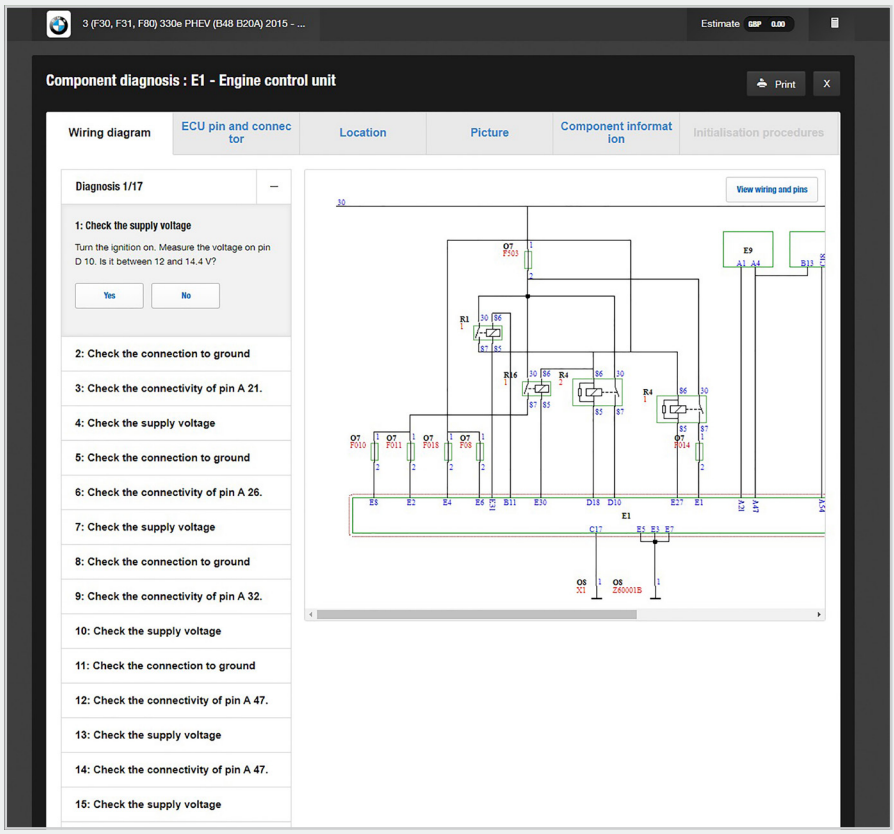
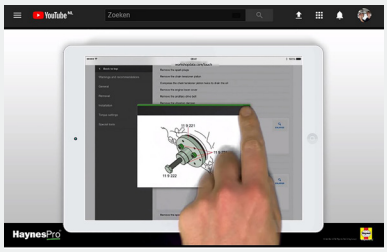




[Diagnosis page]

5. Answer the questions with *yes* or *no* until the component diagnosis is completed
6. or click in the wiring diagram to access the information for the selected component or fuse/ground point

YOUTUBE



For tips and guides to making the most of WorkshopData, visit our YouTube channel by scanning the QR code! There you'll find video instructions on how to use the various subjects and features.

Example C

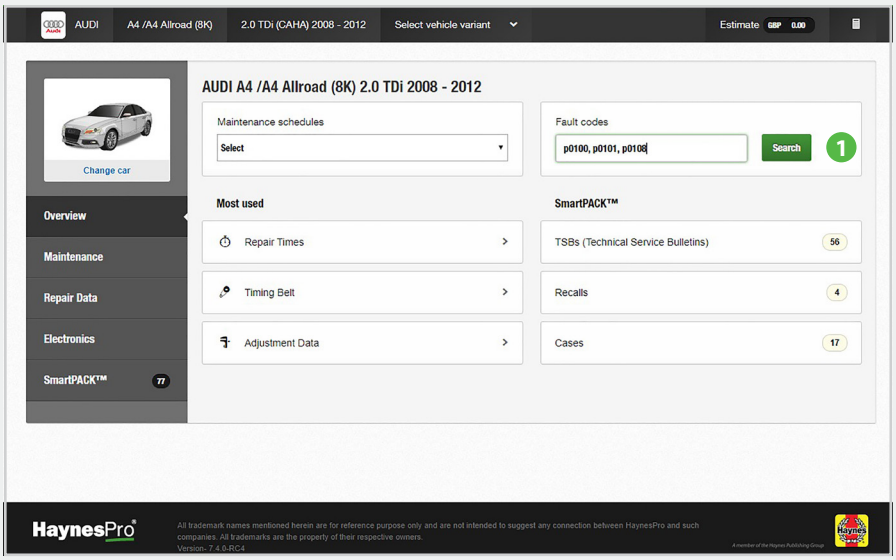
DIAGNOSTICS BY FAULT CODE

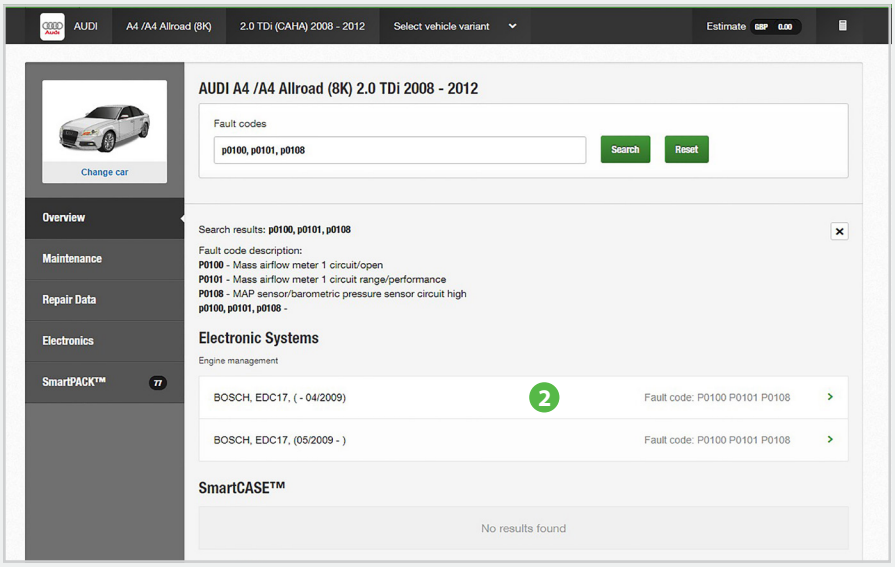
[Overview page]

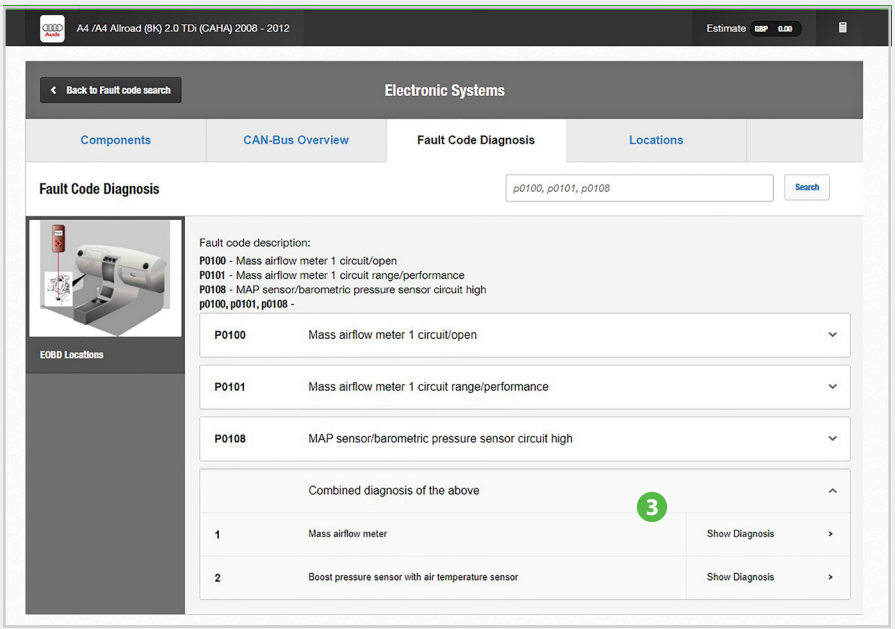
1. Add a fault code or multiple fault codes, separated by commas
2. Select a system

[Electronic systems page]

3. Select a *fault code description* or select *Combined diagnosis of the above*







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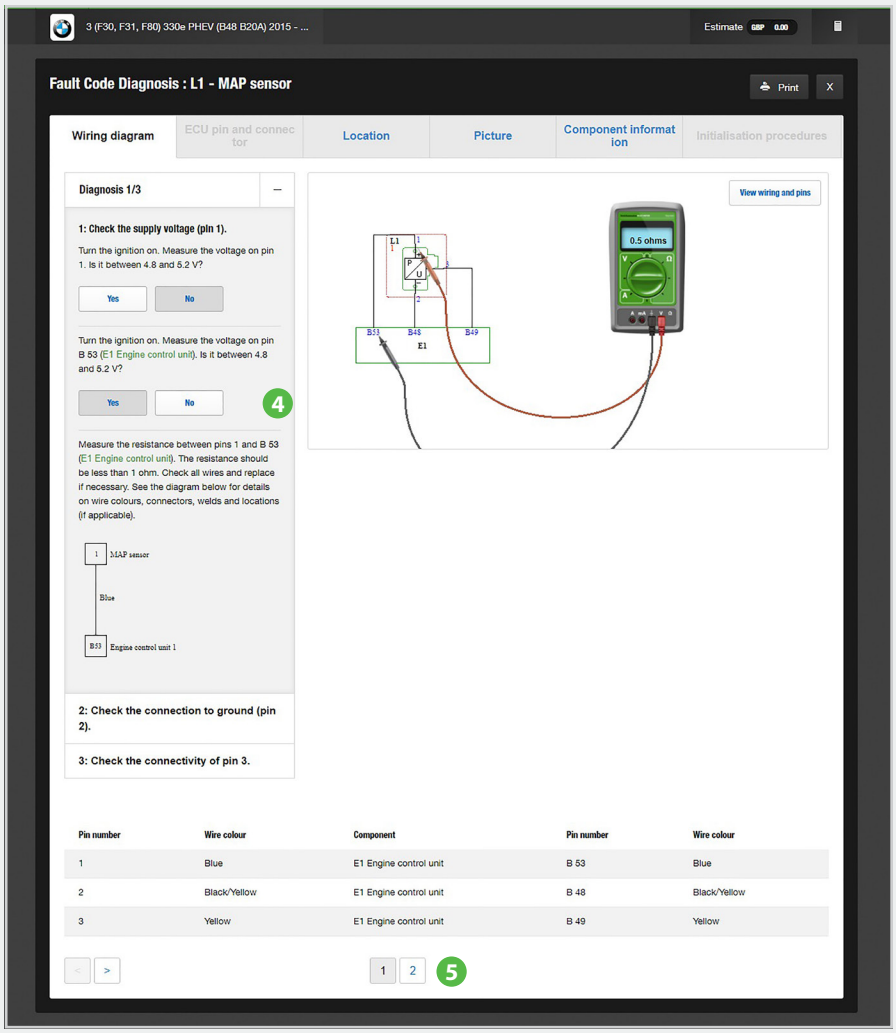
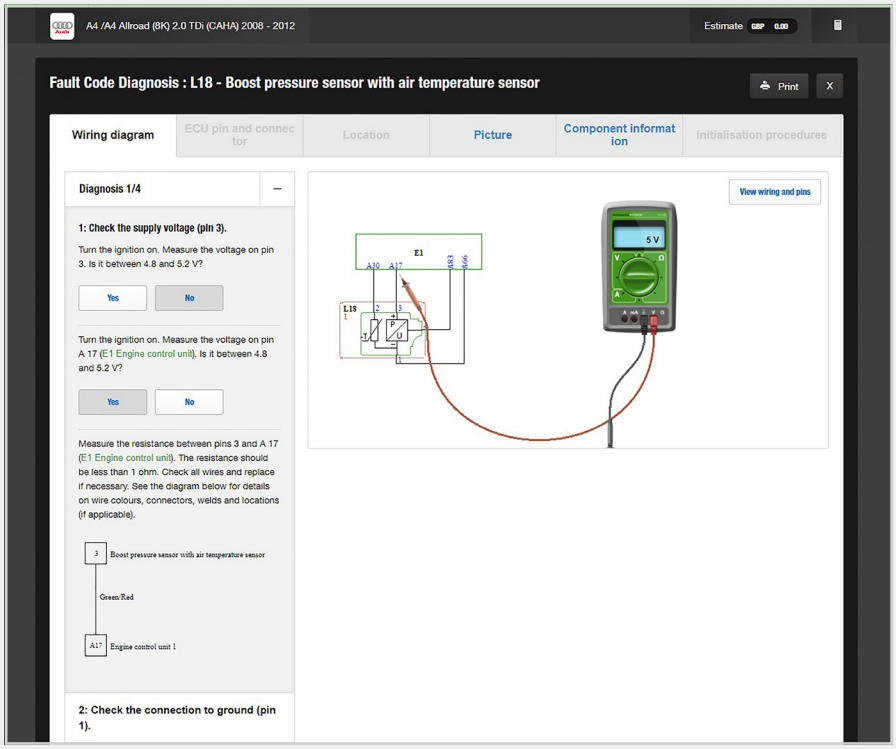




[Diagnosis page]

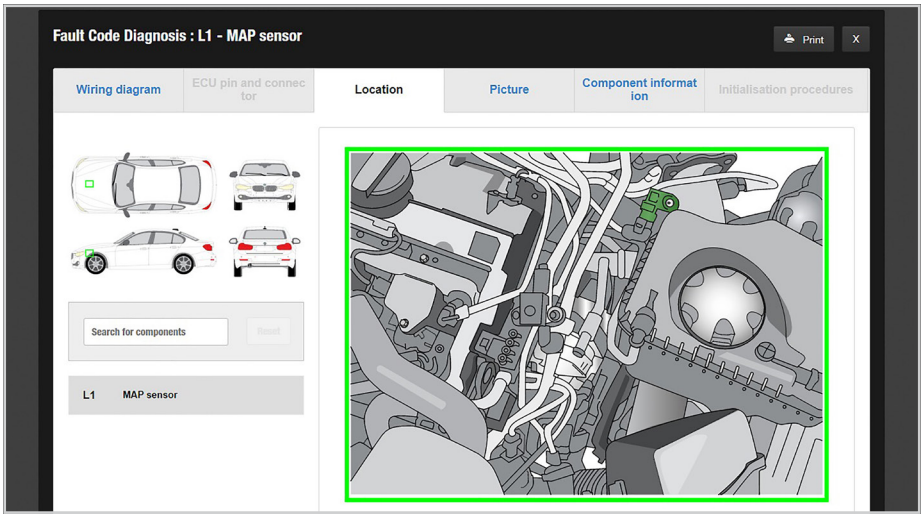
4. Answer the questions with *yes* or *no* until the component diagnosis is completed;
5. and / or click here to go to the next fault code diagnosis

FEATURES	Car SET	Truck SET
Diagnostics wizard	✓	✓
Wiring diagrams for engine management, ABS and ESP	✓	✓
Wiring diagrams for EPS, air conditioning, climate control	✓	
Fault codes (manufacturer's and EOBD)	✓	
Fault code link to Smart module	✓	
Component and grounding point location	✓	✓
ECAS (Electronically controlled air-suspension		✓

VESA MK II Guided Diagnostics | general features

LOCATION

Component locations **directly accessible** from component diagnostics.



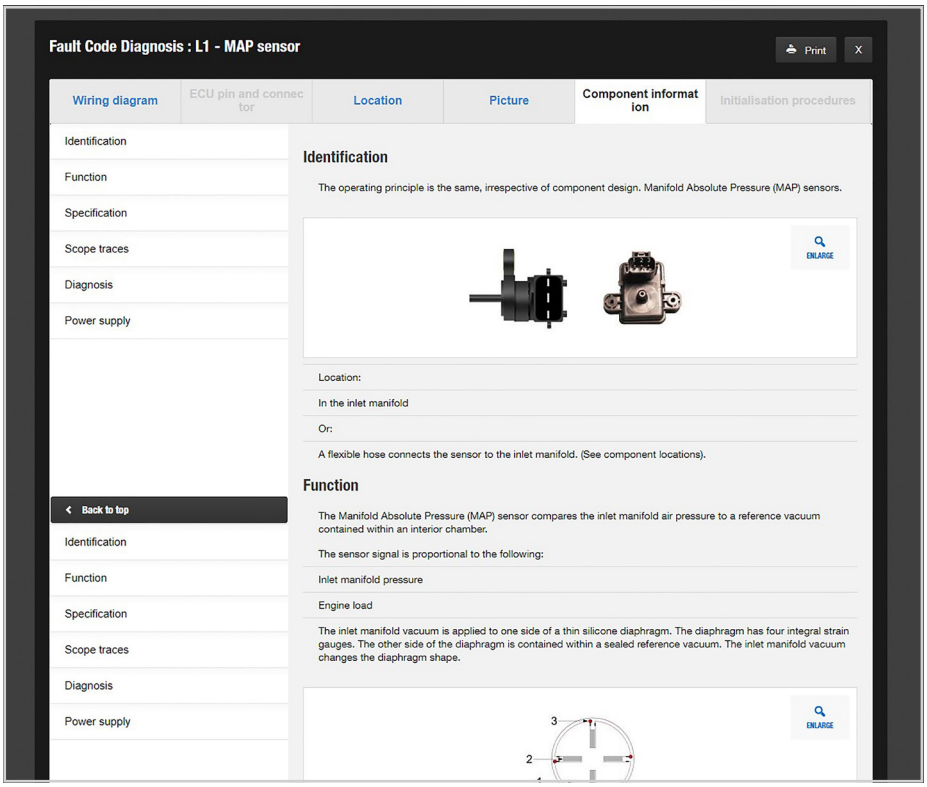
PICTURE

Generic picture of the **selected component**.

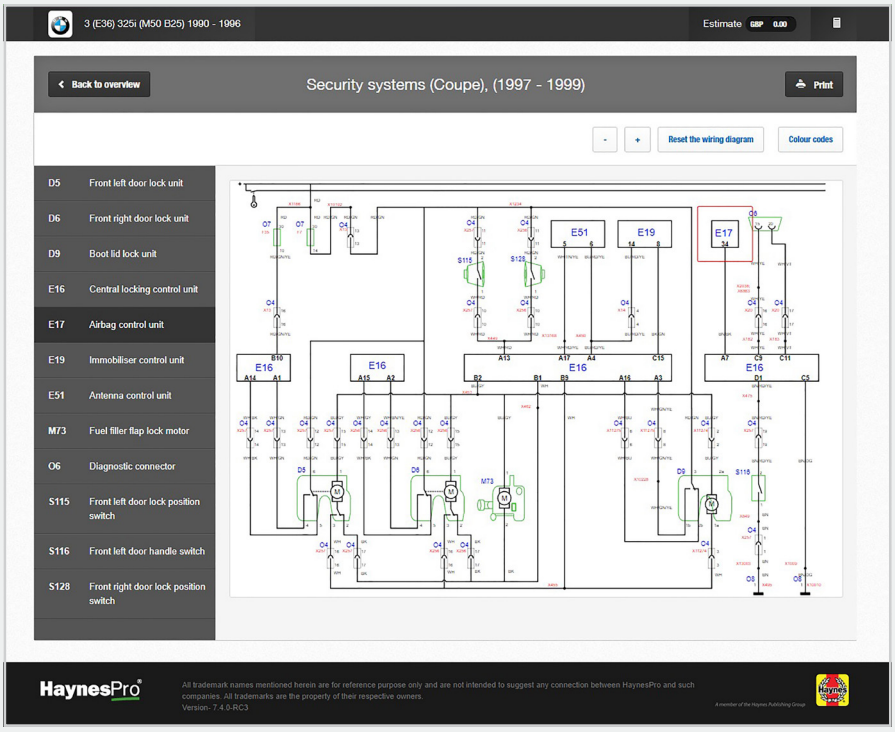
COMPONENT INFORMATION

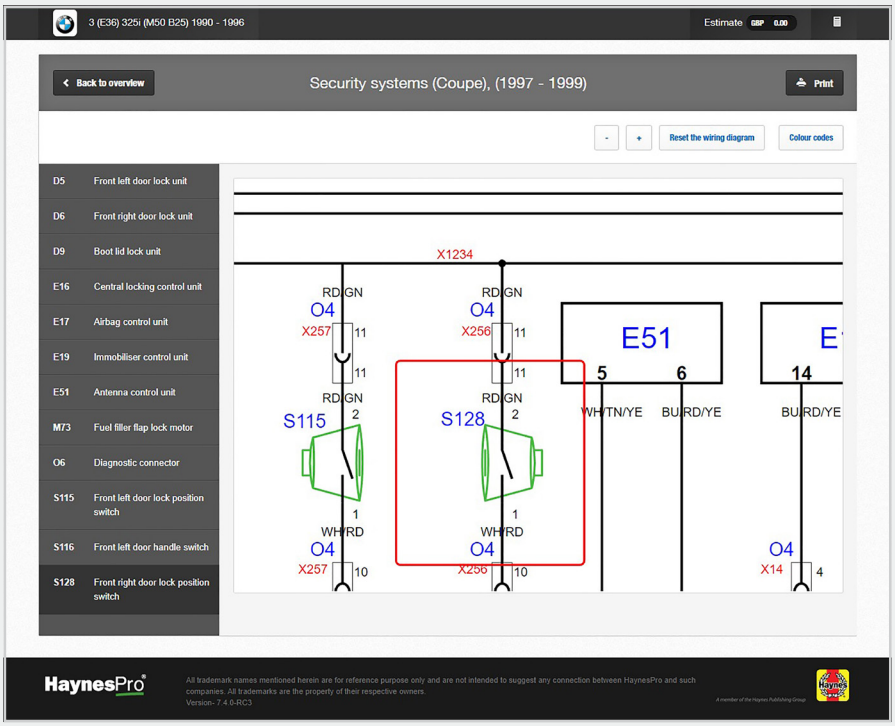
Detailed technical **information**.

Component information covers technical details about the selected component. It covers a functional description and generic scope images (if relevant).



Wiring diagrams





COMFORT WIRING DIAGRAMS

Clear, 'localised' wiring schematics.

Clear, 'localised' wiring schematics for all key vehicle features, with wire and component trace functionality for fast, efficient, first-time fixes.

FEATURES	Car SET	Truck SET
Wiring diagrams covering electrical systems/ components, e.g. door locks, windows, windscreen/headlight wash/wipe, airbags, exterior lights, starting and charging	✓	✓
Pan and zoom functionality	✓	✓
Highlight functionality to trace corresponding wires and components)	✓	✓

Fuses and relays

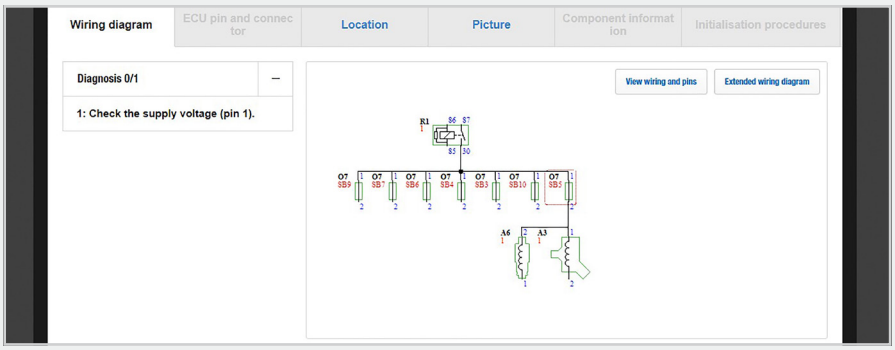
FUSES AND RELAYS

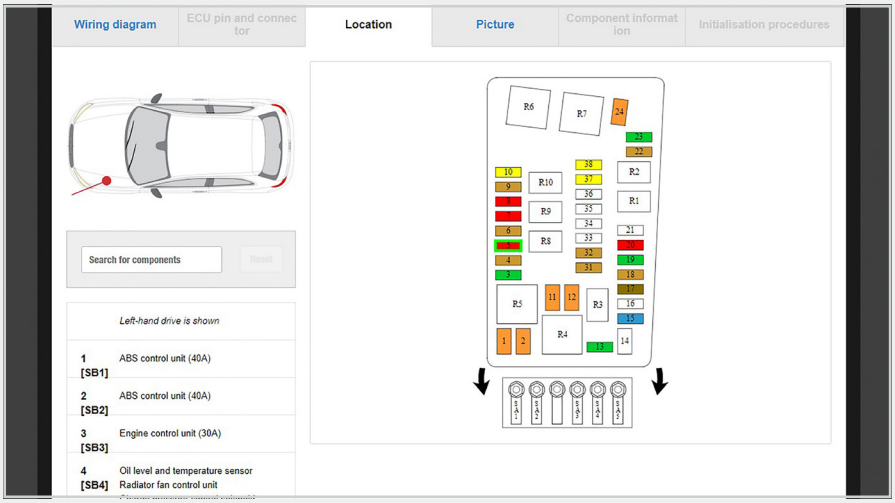
Clear fuse location and **identification feature.**

Ever helpful, HaynesPro has created an Electronics module packed with essential information, typified by this clear fuse location and identification feature. Fuse boxes may be installed in various locations on a vehicle, making them more difficult to find. Using the data in Fuses and Relays minimises the time spent on searching.

Fuse locations are also accessible directly from the wiring diagram.

FEATURES	Car SET	Truck SET
Fuse and relay box locations	✓	✓
Fuse and relay overview	✓	✓



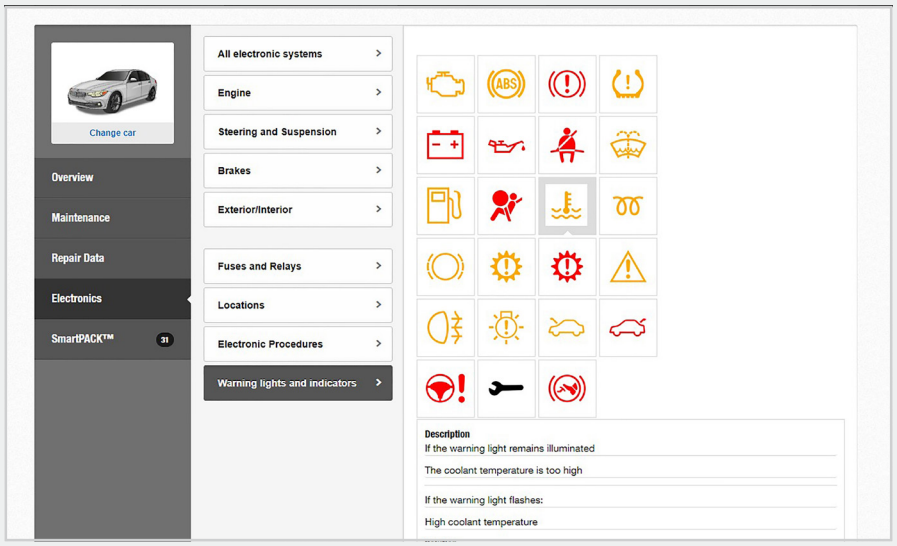


Warning lights and indicators

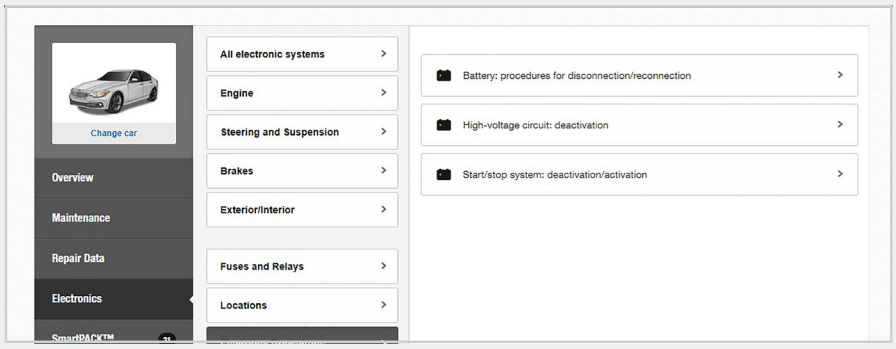
An extensive list of possible **warning lights.**

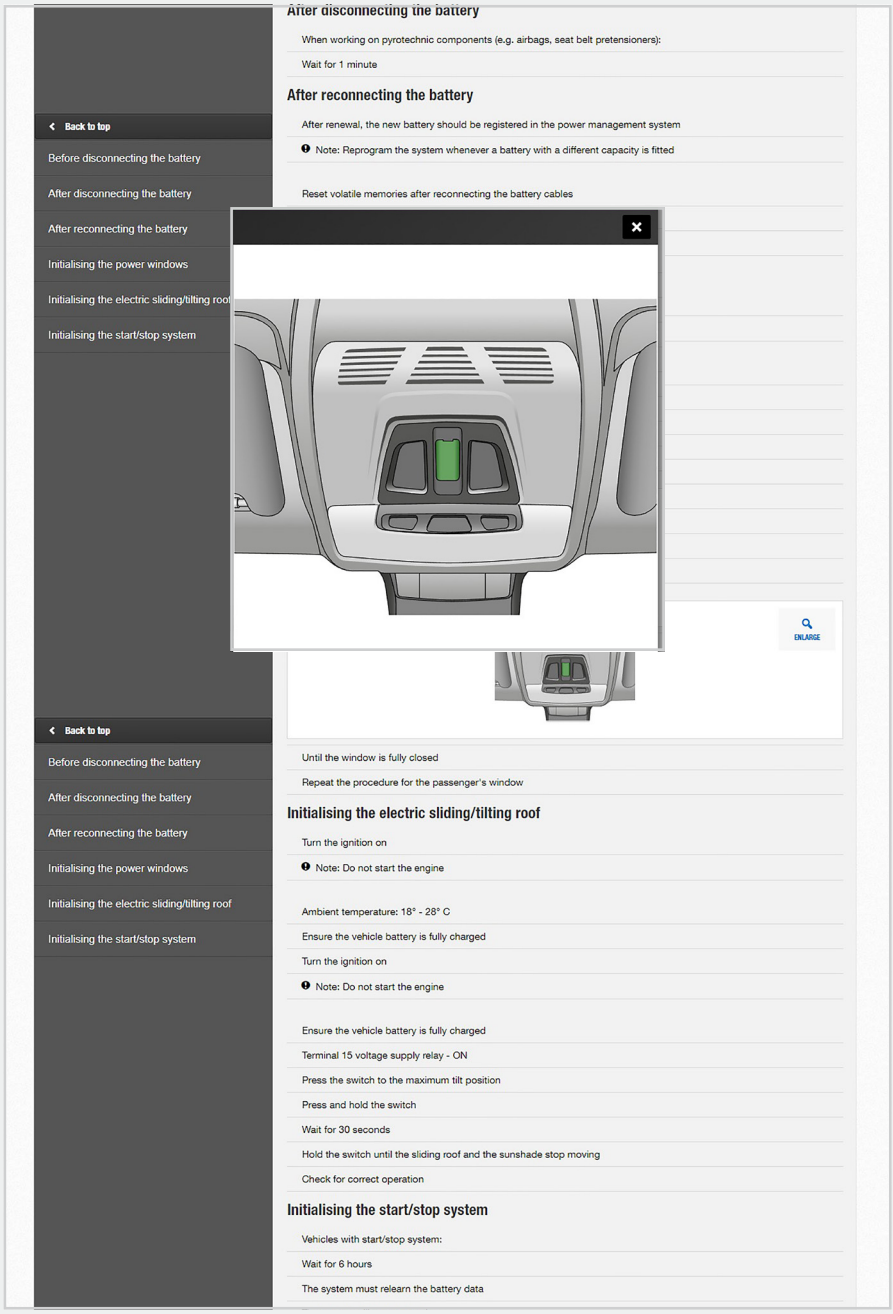
Specific to each manufacturer, with a short description and solution.

- Make-specific overview of available warning lights
- Covering both the European and the US car park



Electronic Procedures





BATTERY: PROCEDURES FOR DISCONNECTION/ RECONNECTION

Disconnecting/ reconnecting a battery **used to be** a straightforward task.

In modern vehicles, the procedure is more complicated. The mechanic needs to know what procedures to follow after reconnecting a battery. This will prevent the customer having to return the vehicle to the workshop due to errors in systems such as parking assistance or power windows. Due to the growing number of hybrid vehicles on the market, mechanics also need specific instructions on how to work safely on these vehicles.

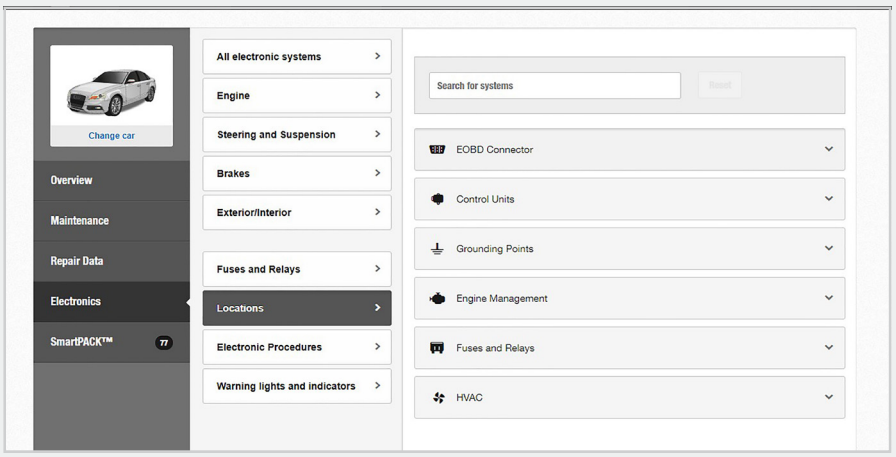
Other available procedures:

- HIGH-VOLTAGE CIRCUIT: DEACTIVATION
- START/STOP SYSTEM: DEACTIVATION/ACTIVATION

Locations

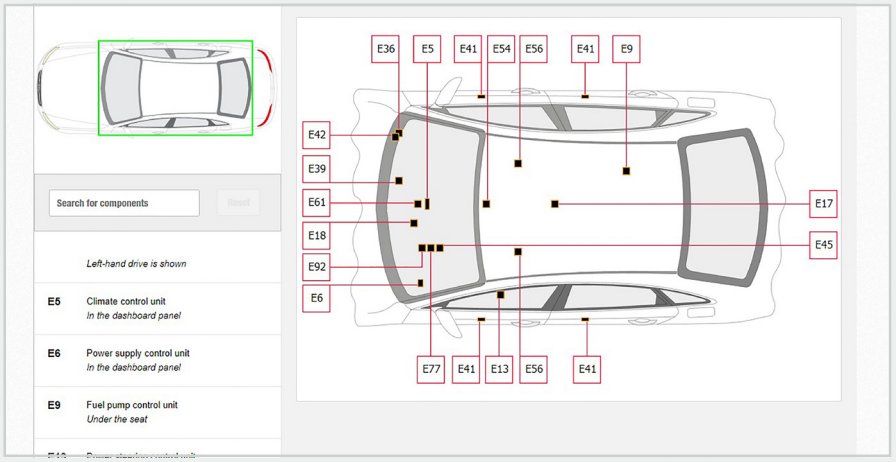
One of the clear goals of HaynesPro's data is to **reduce the number of unbillable hours**.

With our Locations feature, we ensure that the required component, control unit or ground point can be found immediately. All locations are accessible from the local wiring diagrams.

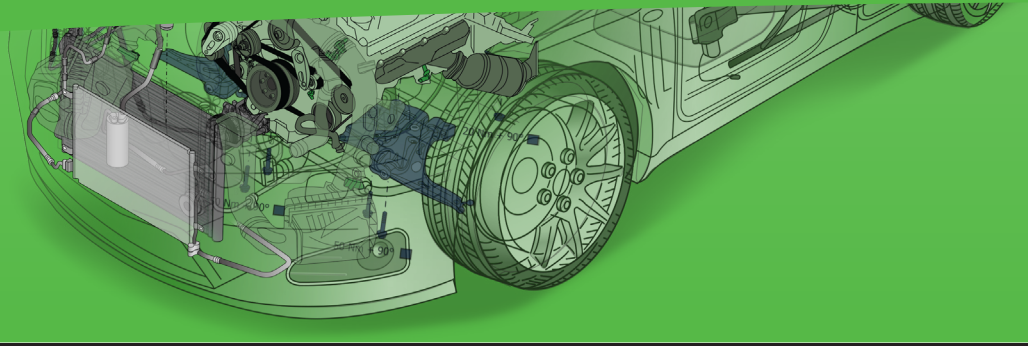


Available locations:

- EOBD CONNECTOR
- CONTROL UNITS
- GROUNDING POINTS
- ENGINE MANAGEMENT
- FUSES AND RELAYS
- HVAC



Clearly better data.



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