



WorkshopData™ Car

- ▶ **Manufacturer compliant** maintenance plans
- ▶ Repair instructions and technical exploded views with **built-in tightening torques**
- ▶ **Electronics and VESA™** guided diagnostics
- ▶ **Component diagrams**
- ▶ **Recalls, TSBs and Cases**



Clearly better data.

HaynesPro® WorkshopData™ Car

For cars & LCVs



HaynesPro®

HaynesPro is a member of the
Infopro Digital Group

INFOPRO digital

Tech



Maintenance

CLEAR, DETAILED AND, ABOVE ALL, HELPFUL.

Full maintenance schedules, which are printable for convenience, are provided for make – model – derivative, presented by intervals and broken down by subject (engine, brakes, etc.) or location (engine compartment, under the vehicle, etc.). Additional work is also displayed, following the manufacturer’s recommendations. All tasks have a corresponding OEM code and time.

Task	Standard Time (h)	Extra Time (h)	Total Time (h)
Renew the fuel filter every 60,000 km	+ 0.40		
Renew the air filter and clean the housing every 90,000 km	+ 0.20		
Renew the timing belt(s) every 210,000 km	+ 1.10		
Diesel particulate filter: check the saturation with a diagnostic tool first check at 160,000 km; then every 30,000 km	+ 0.10		
Selective catalytic reduction (SCR): check the fluid level; top up if necessary every 15,000 km	+ 0.20		
Gearbox hydraulic control unit: renew the fluid every 60,000 km	+ 0.50		
Braking system: renew the brake fluid first change at 36 months; then every 24 months	+ 0.30		
Telematics: renew the emergency backup battery every 84 months	+ 0.30		
Renew the dust and pollen filter every 60,000 km/24 months	+ 0.20		
Sunroof/panoramic sliding roof: check/clean the guide rails and the drainage hoses; check the luggage compartment for water ingress every 60,000 km/24 months	+ 0.50		



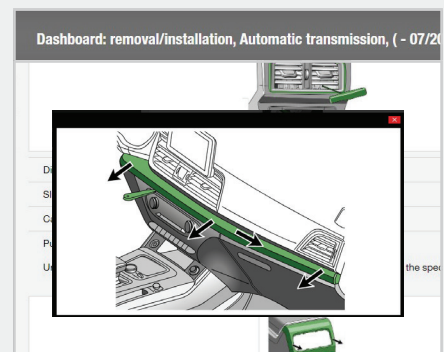
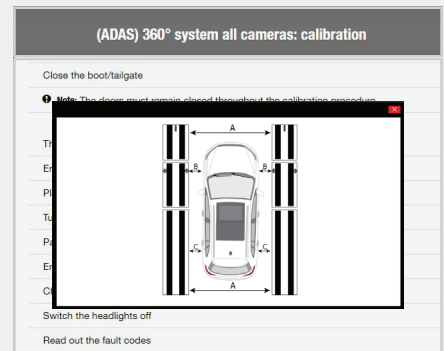
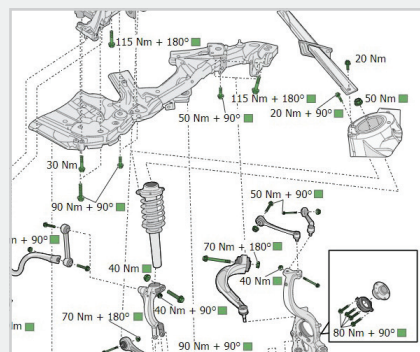
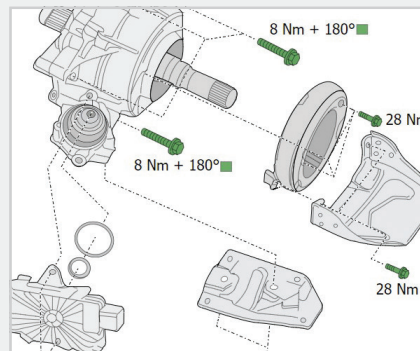
Repair manuals



Technical drawings

COMPREHENSIVE AND UNRIVALLED.

Our repair manuals include technical exploded views with built-in tightening torques. Also included are our unique ADAS calibration manuals and manuals on how to remove/replace turbochargers, dashboards and interior panels.



Electronics

Component diagnosis : H4 - Inlet manifold valve control motor

Diagnosis 1/6

1: Check the potentiometer supply voltage (pin 2).
Turn the ignition on. Measure the voltage on pin 2. Is it between 4.8 and 5.2 V?

Turn the ignition on. Measure the voltage on pin A 80 (E1 Engine control unit). Is it between 4.8 and 5.2 V?

Measure the resistance between pins 2 and A 80 (E1 Engine control unit). The resistance should be less than 1 ohm. Check all wires and renew if necessary. See the diagram below for details on wire colours, connectors, welds and locations (if applicable).

Inlet manifold valve control motor (H4)



VESA™ Guided Diagnostics

AN INNOVATIVE APPLICATION FOR ELECTRONICS DIAGNOSTICS.

Unrivalled in the automotive after-market, VESA is an innovative electronics diagnostics application. It is based on vehicle CAN-Bus data and helps technicians diagnose fault codes 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.

All electronic systems

- Engine
- Transmission
- Steering and Suspension
- Brakes
- Exterior/Interior
- Fuses and Relays
- Locations**
- Electronic Procedures
- Warning lights and indicators

Search for systems

- Diagnostic Connector
- Control Units
- Grounding Points
- Engine Management
- Fuses and Relays
- HVAC

Using the locations data in WorkshopData Electronics minimises the time spent on searching.

Search for components

Left-hand drive is shown. no information is available for right-hand drive

1 [871]	Longitudinal member, front left
2 [808]	Centre of the plenum chamber
3 [828]	Engine compartment, rear right
4 [843]	Engine compartment, rear left

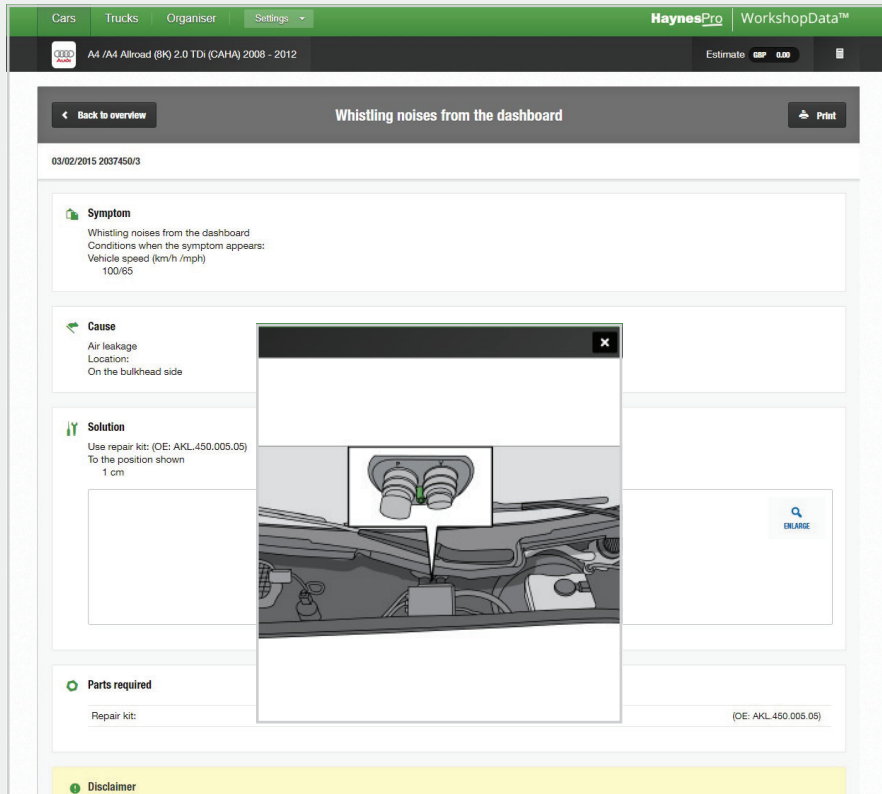
ONE OF THE CLEAR GOALS OF HAYNESPRO'S DATA IS TO REDUCE THE NUMBER OF UNBILLABLE HOURS.

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

Available locations:

- EOBD Connector
- Grounding Points
- Engine Management
- Fuses and Relays
- Control Units
- HVAC

Recalls, TSBs and Cases

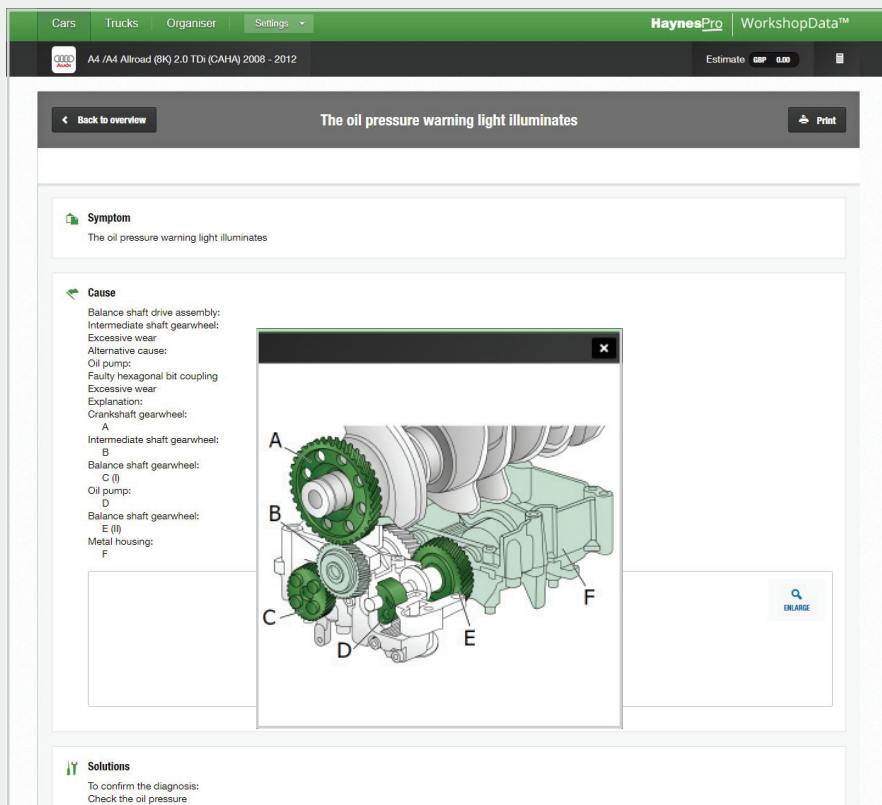


Technical Service Bulletins & Recalls (SmartFIX™)

INFORMATION THAT ADDS REAL VALUE FOR PROFESSIONAL TECHNICIANS.

WorkshopData offers instant access to a multitude of Technical Service Bulletins (TSBs) **sourced from original equipment manufacturers (OEM).**

Our team of technical authors carefully adapts the TSBs we receive to best suit the user's needs. With a simple mouse click, the technician can instantly check the availability of Technical Service Bulletins for a given vehicle.



Verified fixes and tips (SmartCASE™)

SAVING TIME AND MONEY.

This Smart feature **extends HaynesPro's coverage** from OEM-based technical data to information **sourced from industry experts and renowned helpdesk organizations.**

SmartCASE™ is a unique database module containing cases, with verified fixes and tips, for vehicles on the European market. It helps the independent workshop to check quickly for solutions to problems for a selected vehicle, so saving time and money.