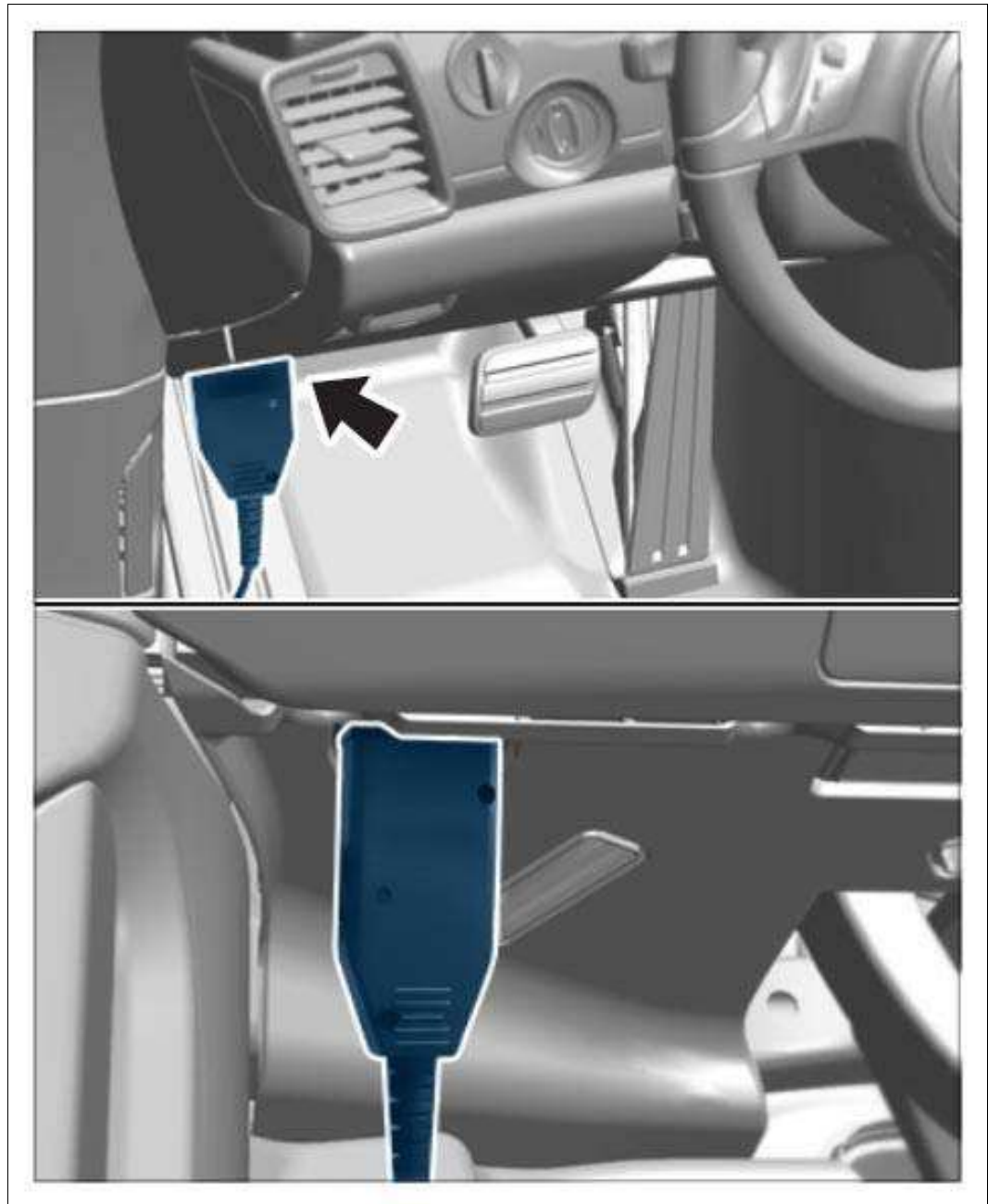


battery.

1. **PIWIS Tester II 9818** must be connected to the vehicle. Then start the Tester.

1. 1.1. **Switch on ignition** .

Fig 1: Identifying Diagnostic Socket



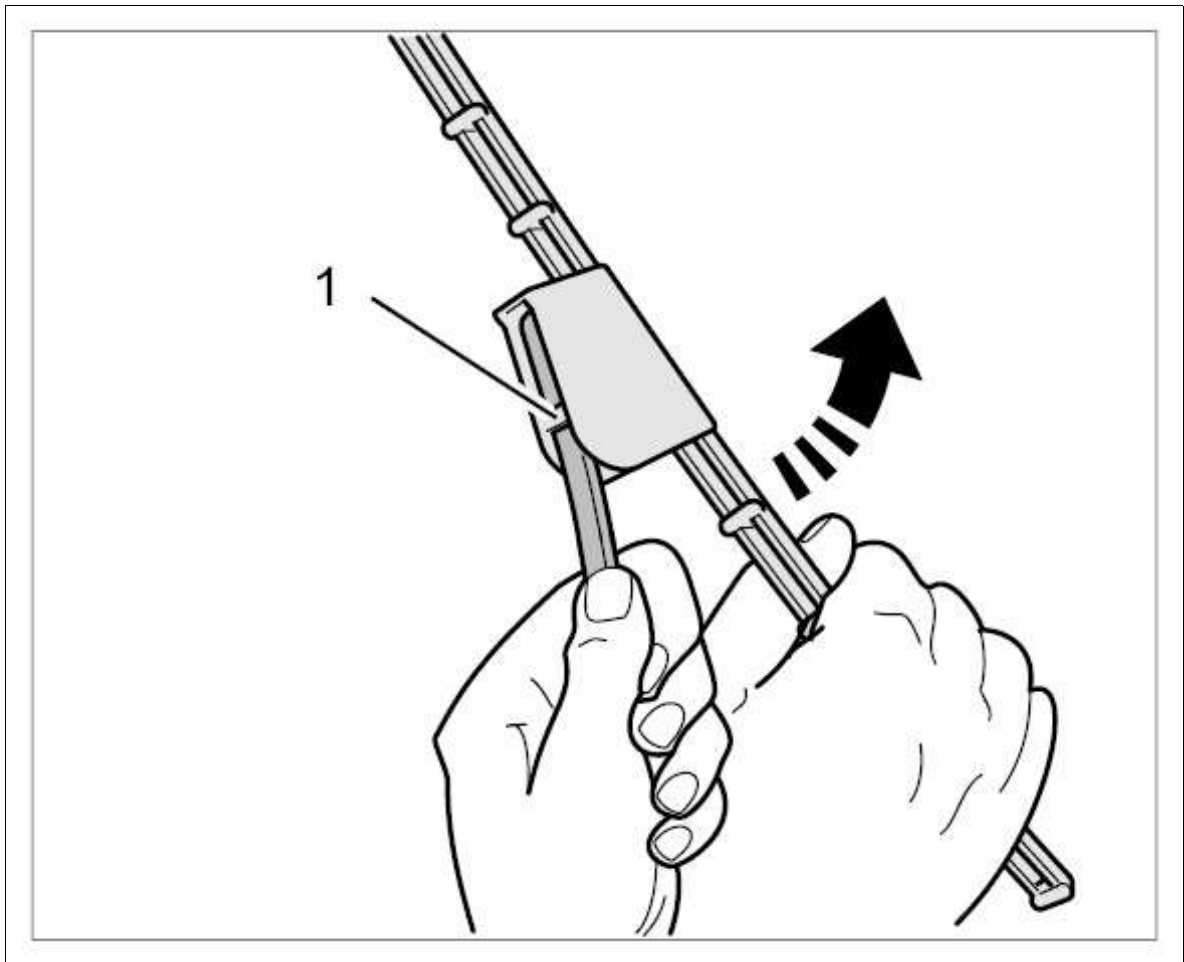
2. Select the vehicle.

3. When the **overview of control units** is displayed, press [F7] to continue.

4. Select **Vehicle handover log** menu and press [F12].

5. When **Remove transport protection** is displayed, press [F12] to continue.

Fig 1: Removing Transport Wipers



3. Install wiper blade. → Installing Wiper Blade

**WM 0X01IN TEST DRIVE - SALES CHECK (EXCEPT PANAMERA EXECUTIVE, PANAMERA 4S SPORT EDITION, PANAMERA 4 EXECUTIVE) > TEST DRIVE - SALES CHECK**

**Information**

- The following test items are included in the test drive.
  - Check footbrake/handbrake operation and actuation travel.
  - Actuate steering and check operation.
  - Shift transmission and check operation.
  - ParkAssist: select reverse gear and check operation.
  - Activate automatic cruise control during the test drive and check operation.
  - Check operation of heating adjustment when engine is warm.

Twist drill      Commercially available tool      Nr.201



Countersink      Commercially available tool      Nr.202

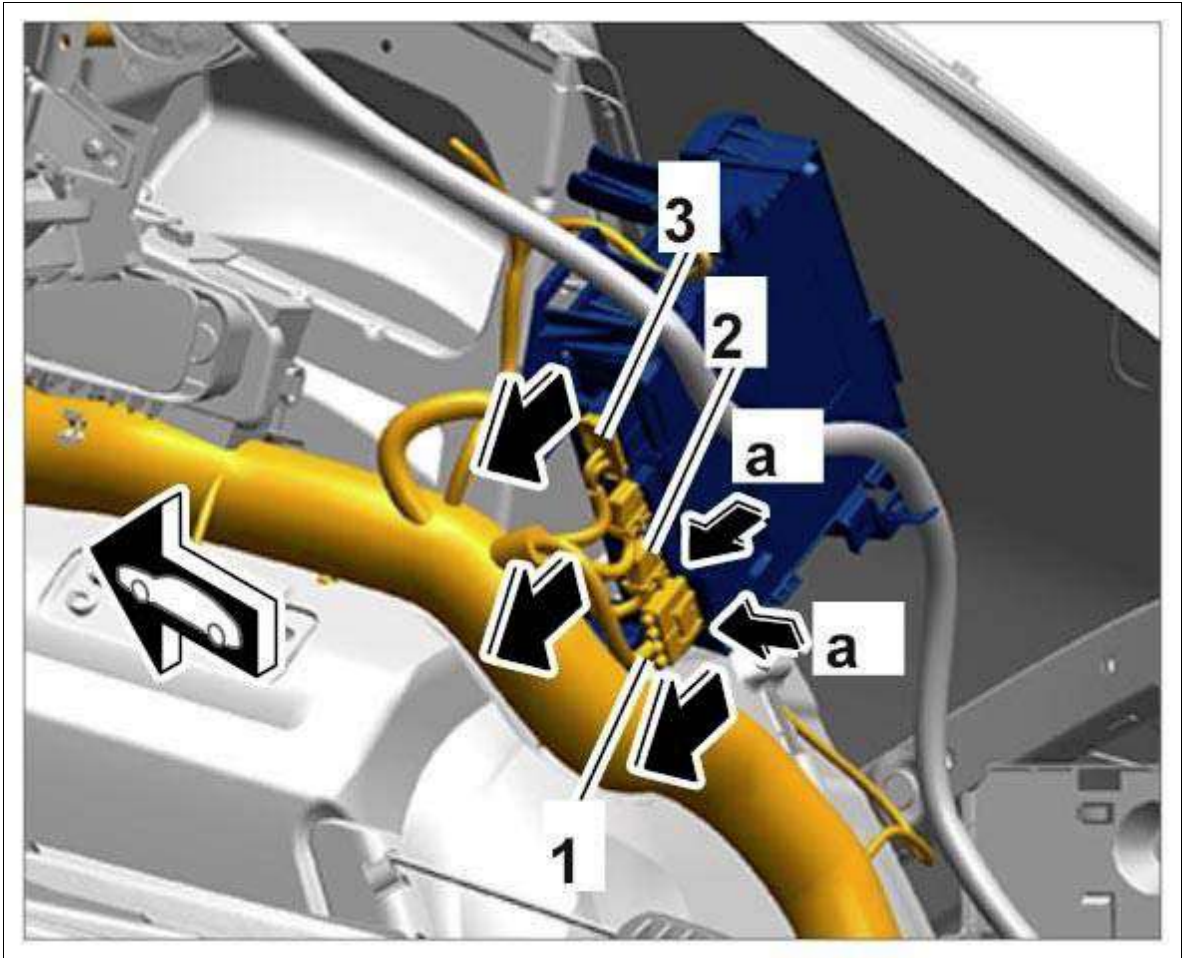


**WM 510355 REPLACING ROOF (PANAMERA, PANAMERA S, PANAMERA S E-HYBRID, PANAMERA S HYBRID, PANAMERA 4, PANAMERA 4S, PANAMERA TURBO, PANAMERA GTS, PANAMERA TURBO S) > PRELIMINARY WORK > PRELIMINARY WORK FOR BODY REPAIRS (WITHOUT STRAIGHTENING SYSTEM)**

1. Remove accessories in the repair area.
  1. 1.1. Remove accessories in the repair area according to the extent of damage on the vehicle.
2. Cover accessories adjacent to the repair area on the vehicle.
  1. 2.1. Cover all accessories remaining on the vehicle and adjacent areas with fire-proof protective covers.
3. Reshape connection area of the sheetmetal parts to be replaced. Note: Information on aluminum repairs → 5X00IN INFORMATION ON ALUMINUM REPAIRS
4. Expose joint areas.
  1. 4.1. Remove underbody protection, paint, etc. from the joint areas of the body using a hot-air gun or rotary brush.

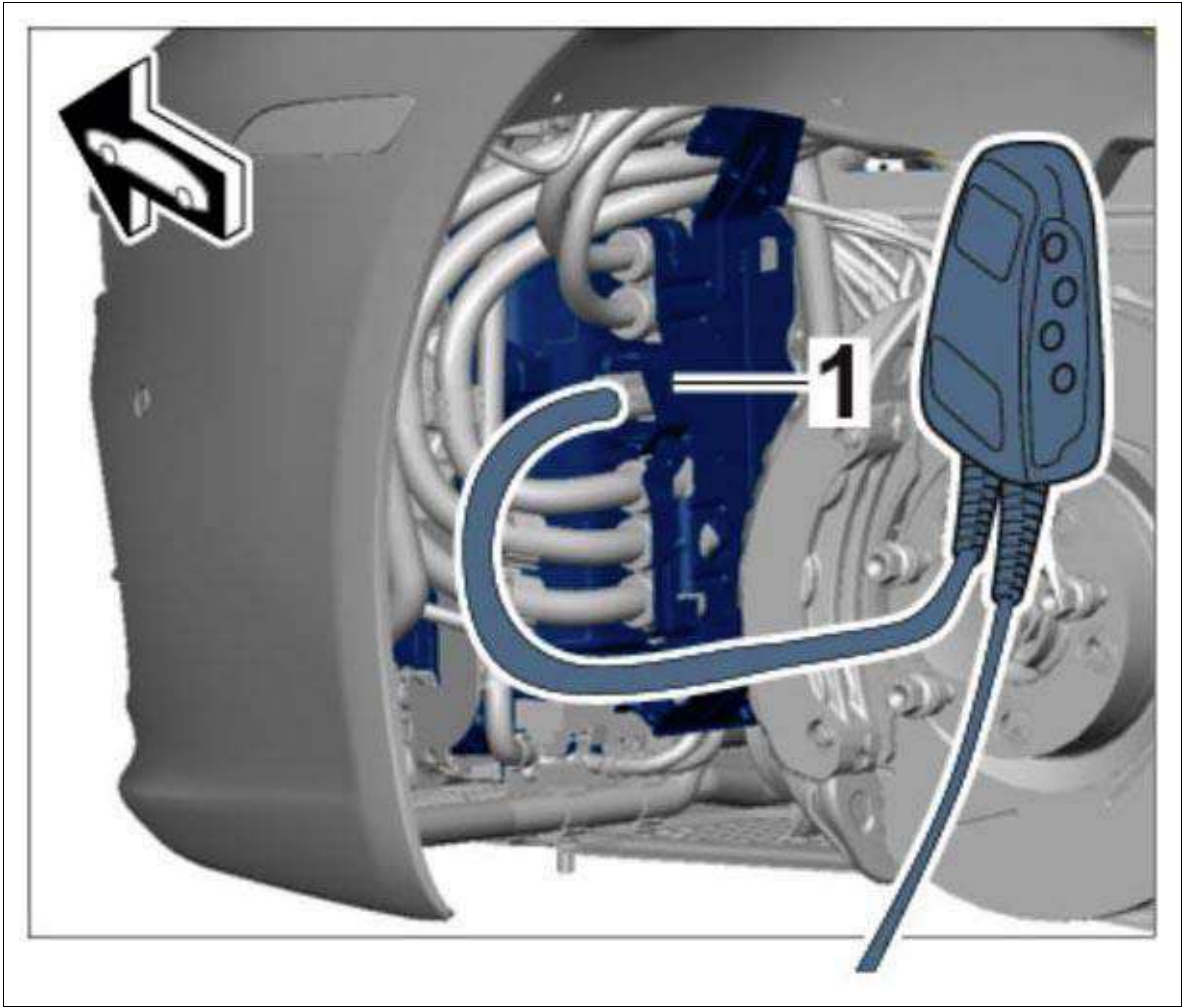
**WM 510355 REPLACING ROOF (PANAMERA, PANAMERA S, PANAMERA S E-HYBRID, PANAMERA S HYBRID, PANAMERA 4, PANAMERA 4S, PANAMERA TURBO, PANAMERA GTS, PANAMERA TURBO S) > SAFETY INSTRUCTIONS AND INFORMATION ON QUALITY > SAFETY INSTRUCTIONS AND INFORMATION ON**

Fig 1: Unplugging Optical Waveguide From TV Tuner



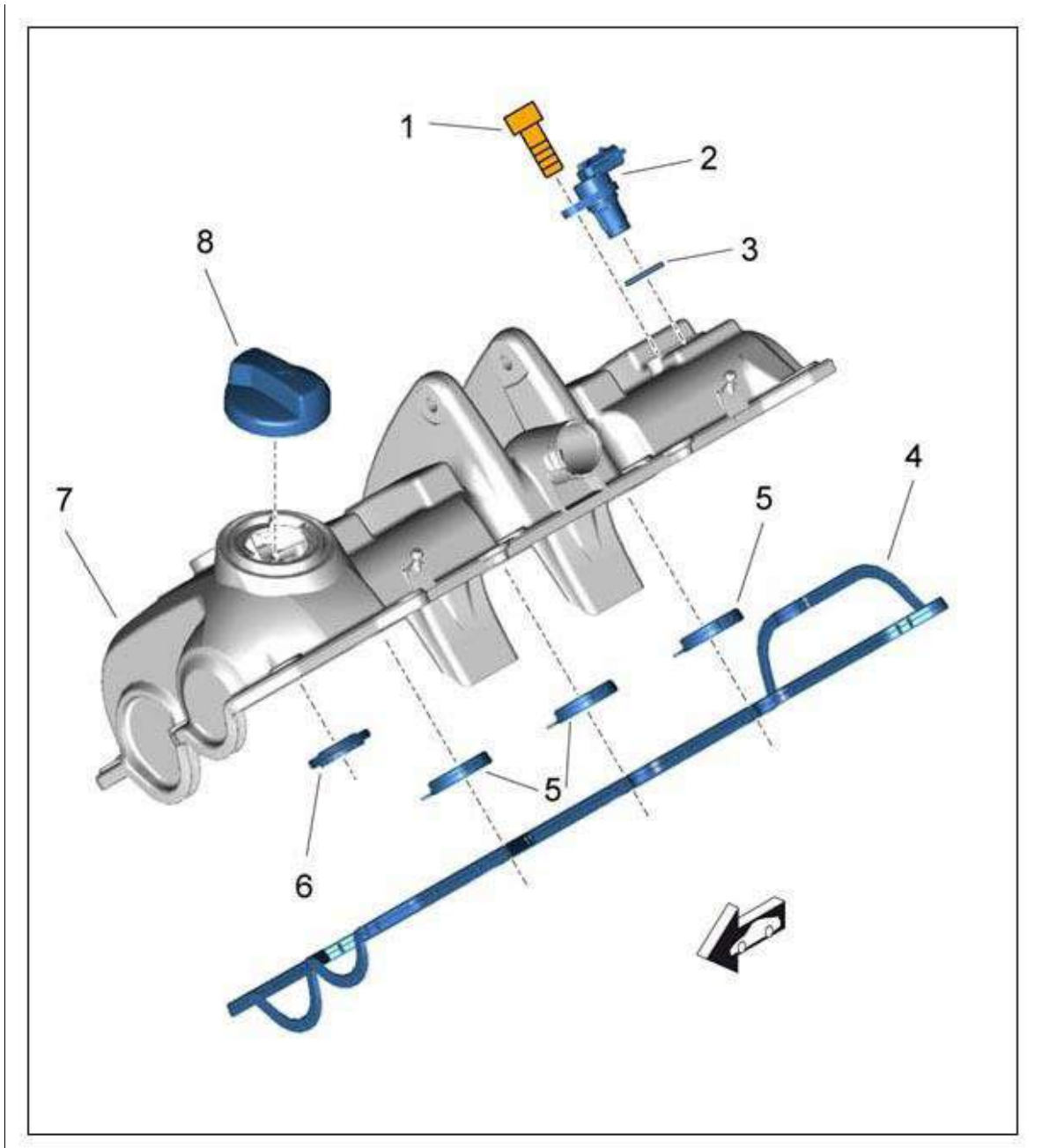
2. Release and unplug the optical waveguide connector -3- from the PCM -arrow a- (-arrow A-). Pull off electric plug connections -4, 5, 6, 7, 8- .

Fig 2: Checking Absence Of Electric Charge At Power Electronics



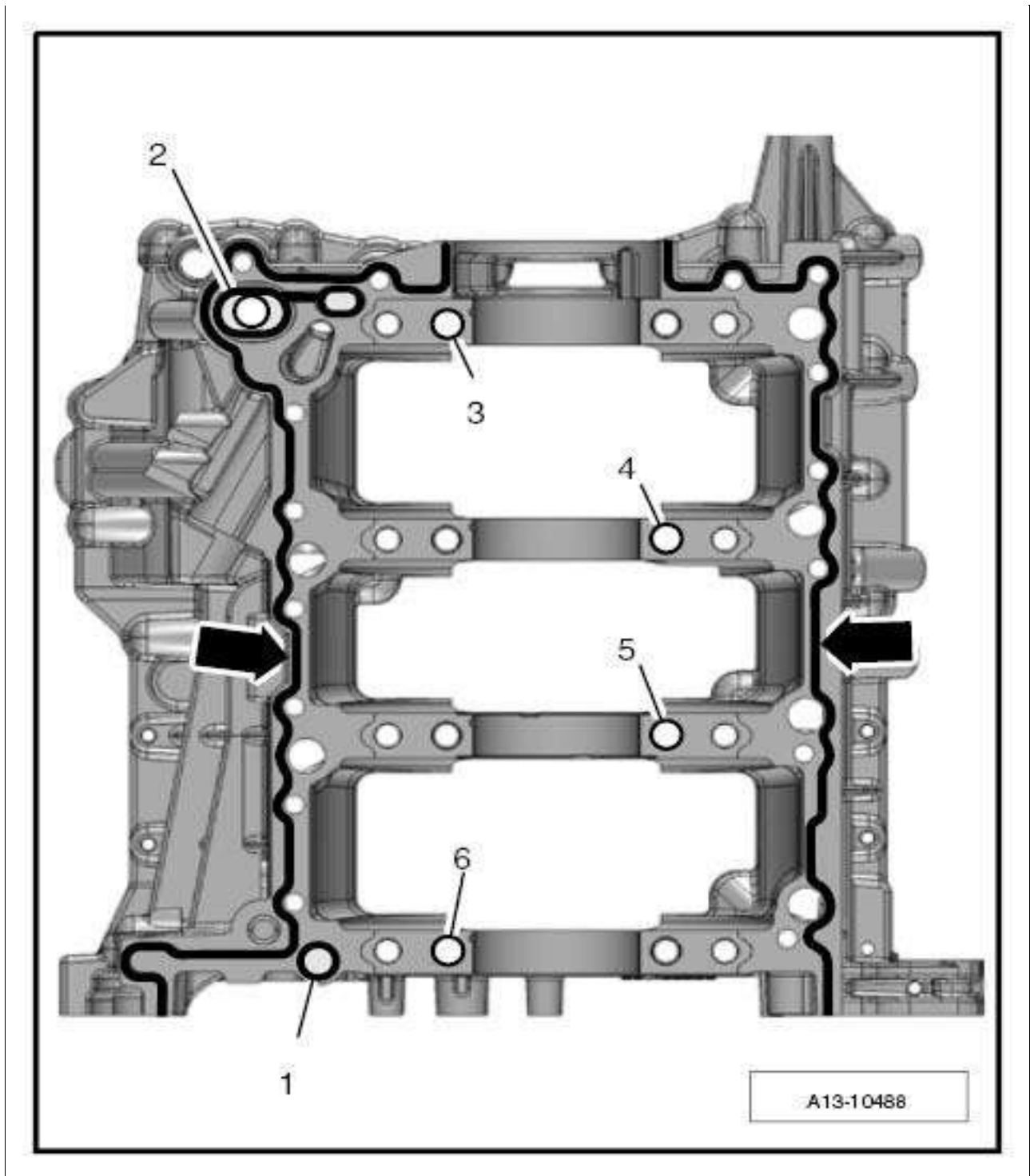
1. 1.1. Release electric plug connection for high-voltage line to the HV distributor **-1-** (**-a-**), pull it off until you feel a certain amount of resistance **-A-**, release it **-b-** and pull it off completely **-B-**.

Fig 27: Identifying Valve Cover Seals, Fitted On Cylinder Bank 1 To 3



1. Valve cover for cylinders 4 to 6 (align over bar ignition modules)
2. Hall sender
3. **Aluminum screw** , M6 x 20; hall sender (phase sensor); always use new aluminum screws → **Initial tightening: 4 Nm (3 ftlb.)** and → **Final tightening: 90°**
4. Sealing ring
5. Valve cover seal
6. Valve cover seal, inner

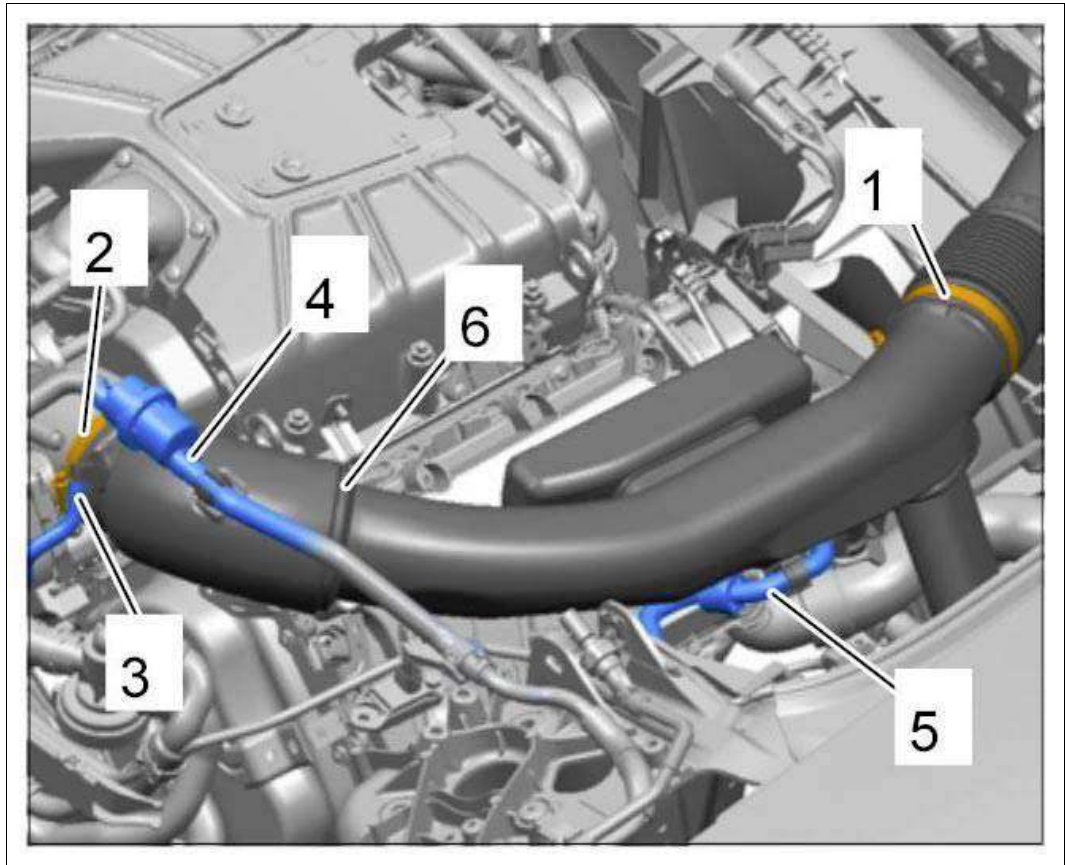
Fig 1: Locating Sealant Applying Areas For Guide Frame



**WM 1X00IN TIGHTENING TORQUES, TIGHTENING SEQUENCE AND ASSEMBLY OVERVIEW (PANAMERA S E-HYBRID, PANAMERA S HYBRID) > GROUP 13 - ENGINE - CRANK DRIVE, PISTONS > ASSEMBLY OVERVIEW - CRANKSHAFT > INSTALL GUIDE FRAME**

Replace screws1...16 for guideframe

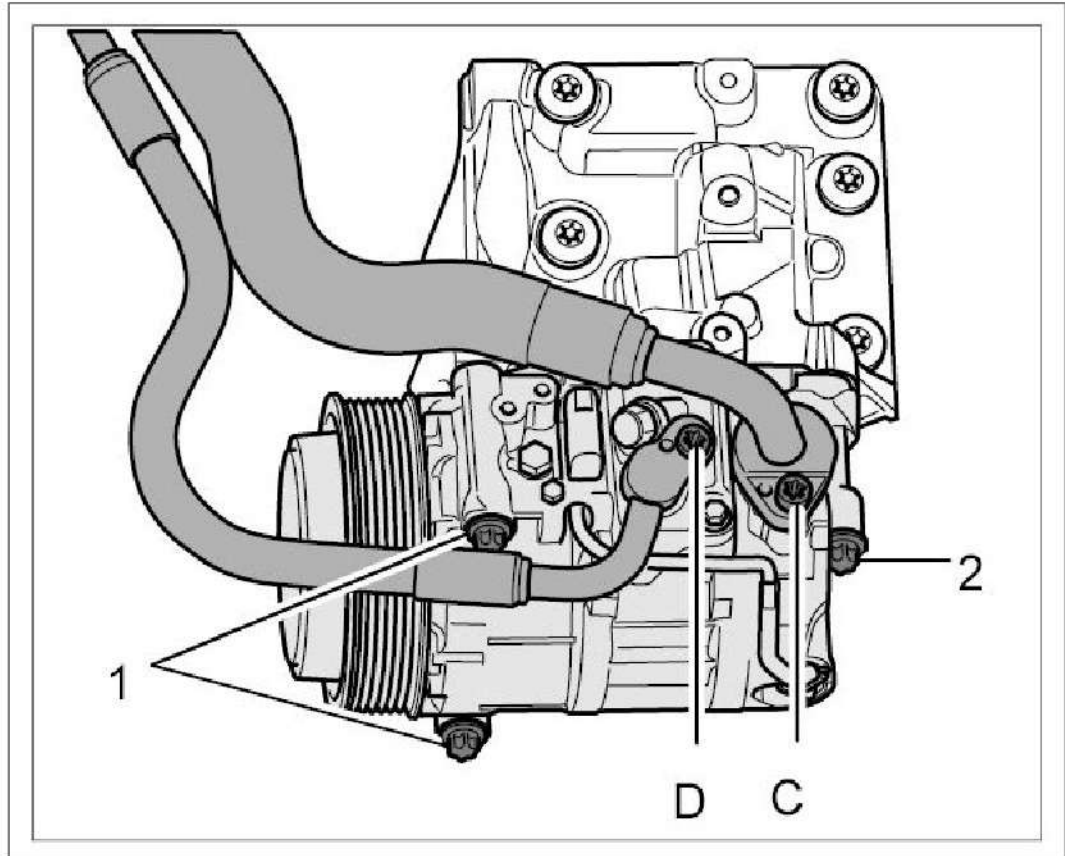
Fig 1: Identifying Throttle Valve Cover



2. Unscrew screws **-arrows-** and disconnect electric plug connections on the ignition coils.  
Move electric wire harness down slightly.



Fig 4: Identifying Air-Conditioning Compressor Intake Pipe Screws



**WM 873419 REMOVING AND INSTALLING AIR-CONDITIONING COMPRESSOR  
(EXCEPT PANAMERA EXECUTIVE, PANAMERA 4 S EXECUTIVE, PANAMERA TURBO  
EXECUTIVE, PANAMERA TURBO S, PANAMERA TURBO S EXECUTIVE, PANAMERA  
4S SPORT EDITION, PANAMERA 4 EXECUTIVE) > INSTALLING AIR-CONDITIONING  
COMPRESSOR > REPLACING AIR-CONDITIONING COMPRESSOR**

 **NOTE:** *Fill level too low*

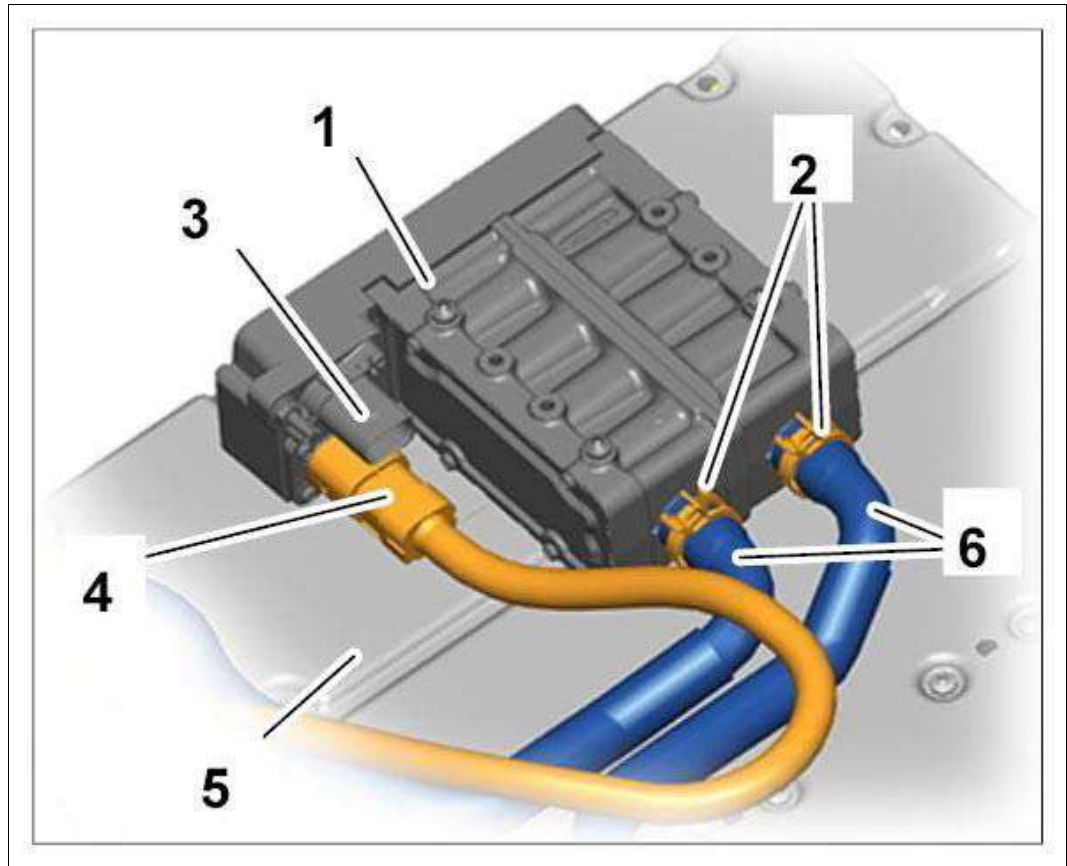
- *Risk of damage to components.*

→ Do not start the engine.

→ Do not tow the vehicle.

2. 2.2. Loosen spring band clamps **-2-** on the coolant hoses **-6-** at the electric high-voltage battery heater **-1-** using **assembly pliers Nr.72 Pos.1** .
3. 2.3. Pull coolant hoses **-6-** off the connection piece for the electric high-voltage battery heater **-1-** .

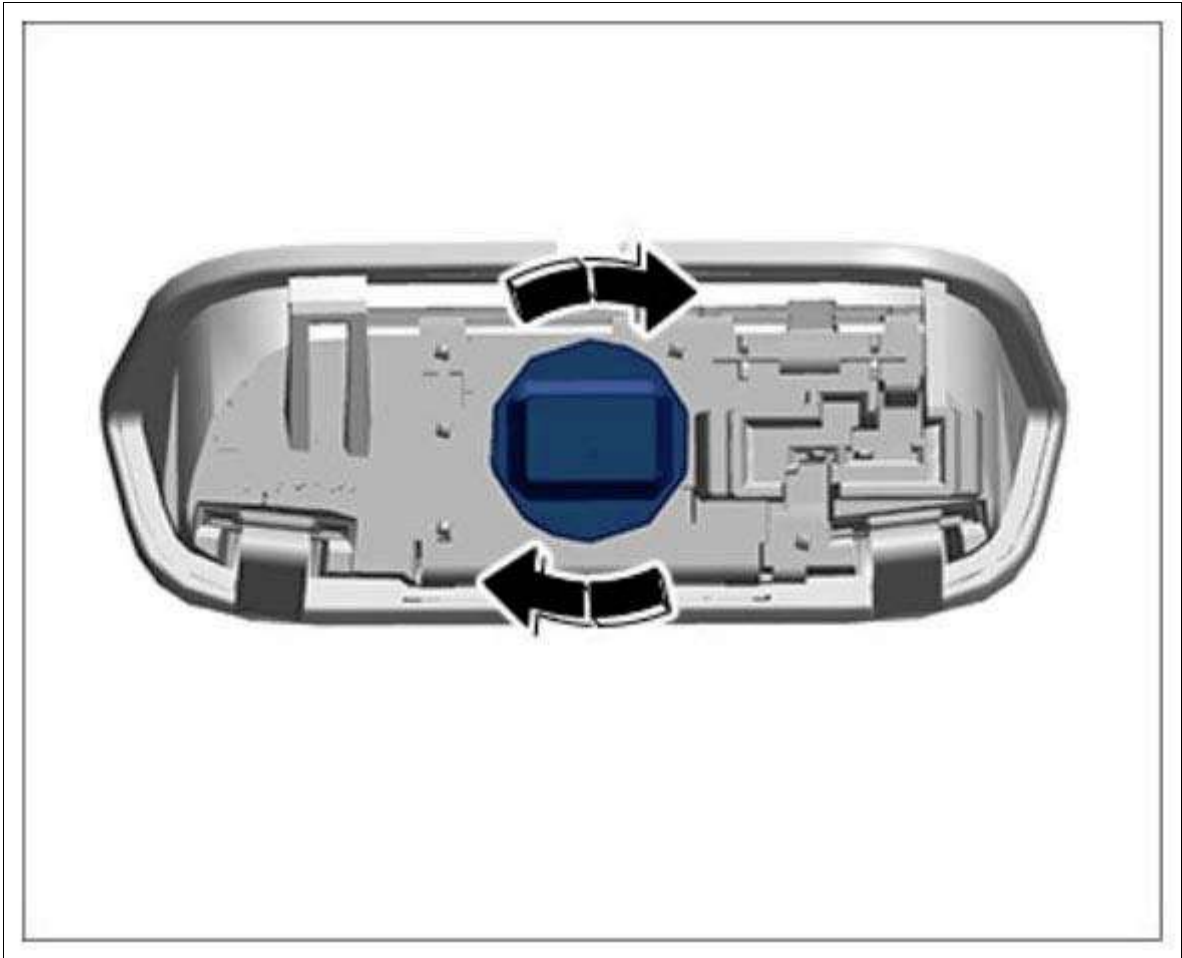
Fig 1: Identifying Electric High-Voltage Battery Heater Connections



3. Release and disconnect high-voltage plug connection **-4-** on the electric high-voltage battery heater **-1-** .

1. 3.1. Press red release tab **-a-** .
2. 3.2. Pull orange tab in direction of arrow until you feel a certain amount of resistance **-arrow A-** .
3. 3.3. Release black tab **-b-** and pull off connector **-arrow B-** .

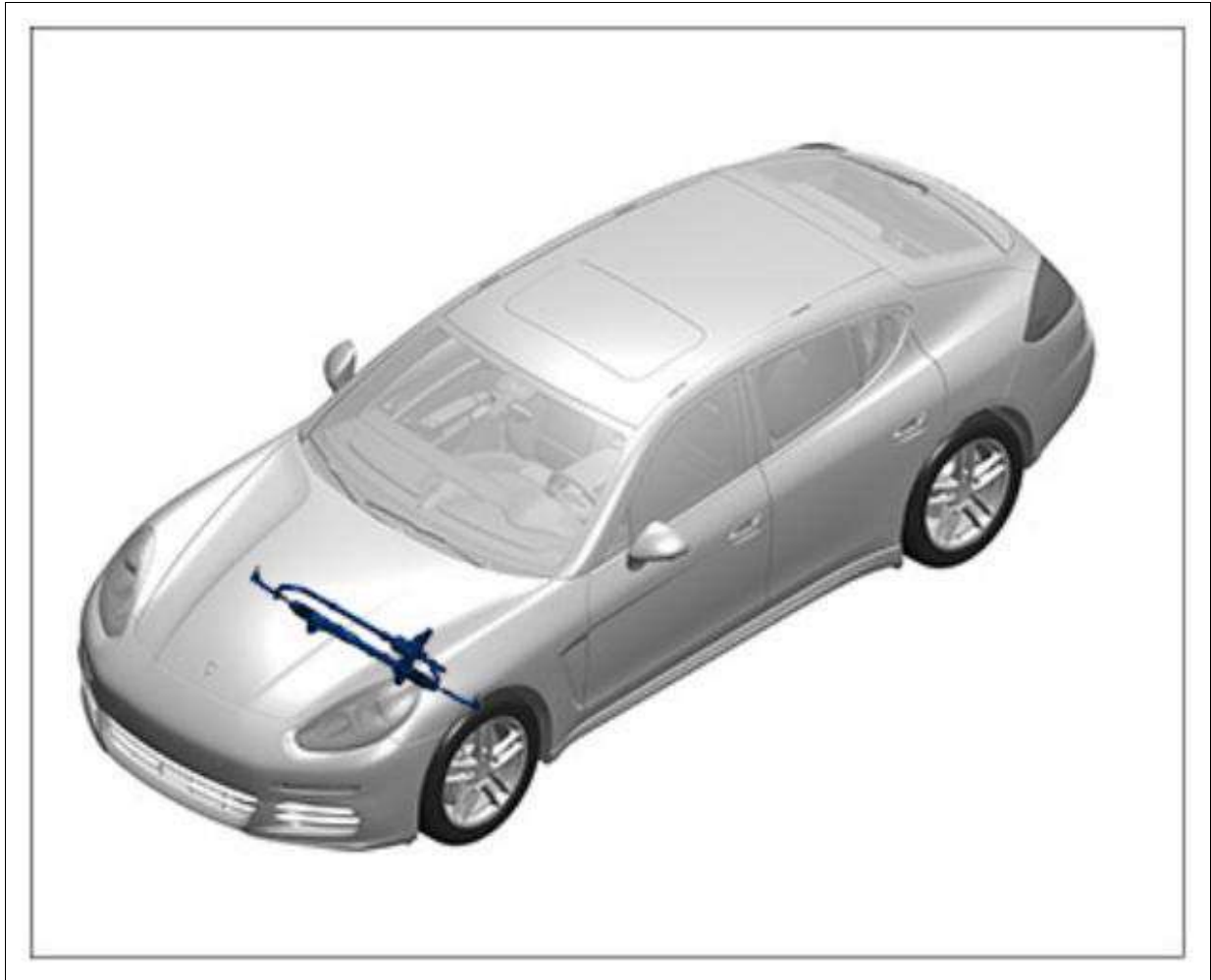
Fig 4: Turning To Install Holder



**WM 964219 REMOVING AND INSTALLING ENGINE-COMPARTMENT LIGHT (EXCEPT PANAMERA S EXECUTIVE, PANAMERA EXECUTIVE, PANAMERA 4 S EXECUTIVE, PANAMERA TURBO EXECUTIVE, PANAMERA TURBO S, PANAMERA TURBO S EXECUTIVE, PANAMERA 4S SPORT EDITION, PANAMERA 4 EXECUTIVE) > INFORMATION > COMPONENT INFORMATION**

- Observe safety requirements! → 4303AW SAFETY REQUIREMENTS FOR PORSCHE DYNAMIC CHASSIS CONTROL (PDCC)

Fig 1: Identifying Steering Gear



1. Secure anti-roll bar to prevent it from falling down.

### Information

1. Fix steering wheel with wheels in straight-ahead position (engage steering column lock or clamp steering wheel in center position with steering wheel holder). If this is not done, the airbag contact unit will have to be put in center position after installation of the steering gear.
  2. Before the feed and return lines are loosened, place a suitable container underneath to collect steering fluid.
  3. Wear protective goggles and gloves.
2. Remove heat shield **-1-** at the universal joint on the steering column.
    1. 2.1. Unscrew and remove fastening screws **-2-** .
    2. 2.2. Remove heat shield **-1-** .

Fig 7: Removing Brake Caliper Fastening Screws



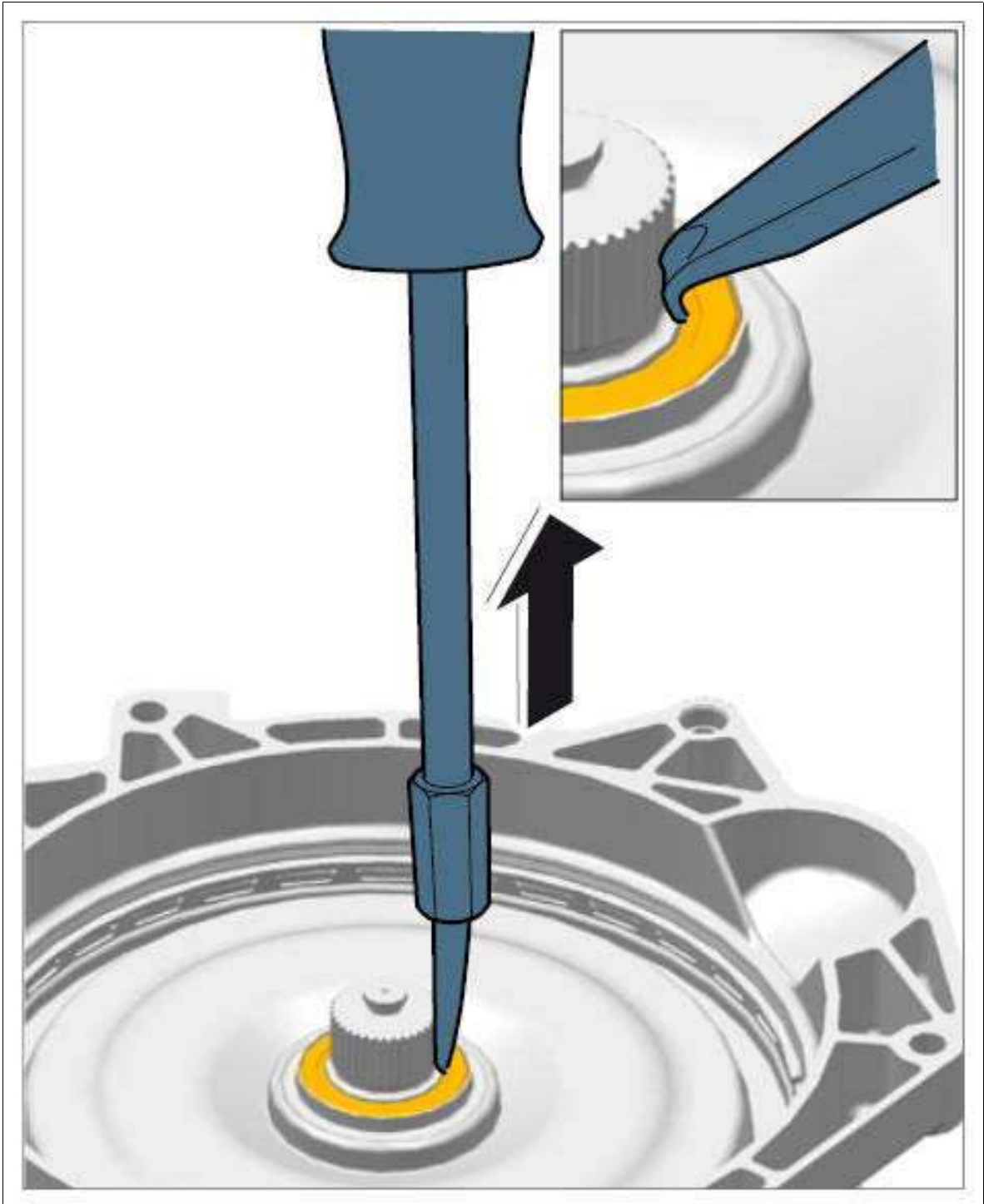
5. Remove air guide -1- on the lower trailing arm.

Front Toe (°)	-0.05	0.03	0.12
Left SAI (°)	0	0	0
Right SAI (°)	0	0	0
Left Rear Camber (°)	-1.92	-1.67	-1.42
Right Rear Camber (°)	-1.92	-1.67	-1.42
Rear Toe (°)	0.1	0.27	0.43
Thrust Angle	0	18.33	18.83
Left Toe Out, Inward (°)	19.33	18.33	18.83
Right Toe Out, Inward (°)	19.33	20	20
Left Toe Out, Outward (°)	20	20	20
Right Toe Out, Outward (°)	20	0	0
Left Max Turn, Inward (°)	0	0	0
Right Max Turn, Inward (°)	0	0	0
Left Max Turn, Outward (°)	0	0	0
Right Max Turn, Outward (°)	0	-	-

BOXSTER [981] S PASM -20 mm 19" Wheels (X73)

Measurement	Minimum	Preferred	Maximum
Left Front Caster (°)	7.58	8.33	8.83
Right Front Caster (°)	7.58	8.33	8.83
Left Front Camber (°)	-1.08	-0.83	-0.58
Right Front Camber (°)	-1.08	-0.83	-0.58
Front Toe (°)	-0.05	0.03	0.12
Left SAI (°)	0	0	0
Right SAI (°)	0	0	0
Left Rear Camber (°)	-1.92	-1.67	-1.42
Right Rear Camber (°)	-1.92	-1.67	-1.42
Rear Toe (°)	0.1	0.27	0.43
Thrust Angle	0	18.33	18.83
Left Toe Out, Inward (°)	19.33	18.33	18.83
Right Toe Out, Inward (°)	19.33	20	20
Left Toe Out, Outward (°)	20	20	20
Right Toe Out, Outward (°)	20	0	0

Fig 1: Removing Sealing Ring



**WM 386955 REPLACING SEALING RING FOR PORSCHE DOPPELKUPPLUNG (DUAL CLUTCH) (PDK) (EXCEPT PANAMERA S EXECUTIVE, PANAMERA EXECUTIVE, PANAMERA 4 S EXECUTIVE, PANAMERA TURBO EXECUTIVE, PANAMERA TURBO S EXECUTIVE, PANAMERA GTS, PANAMERA 4S SPORT EDITION, PANAMERA 4 EXECUTIVE) > INSTALLING NEW SEALING RING FOR PORSCHE DOPPELKUPPLUNG (DUAL CLUTCH) (PDK) > INSTALLING SEALING RING FOR**