Installation Manual
EGO-X Exhaust System
Audi RS5 B10

HGBXAGAVAG40

Professional installation

We recommend installation by a qualified workshop. Suitable lifting and support equipment, tools and the necessary technical expertise are required.

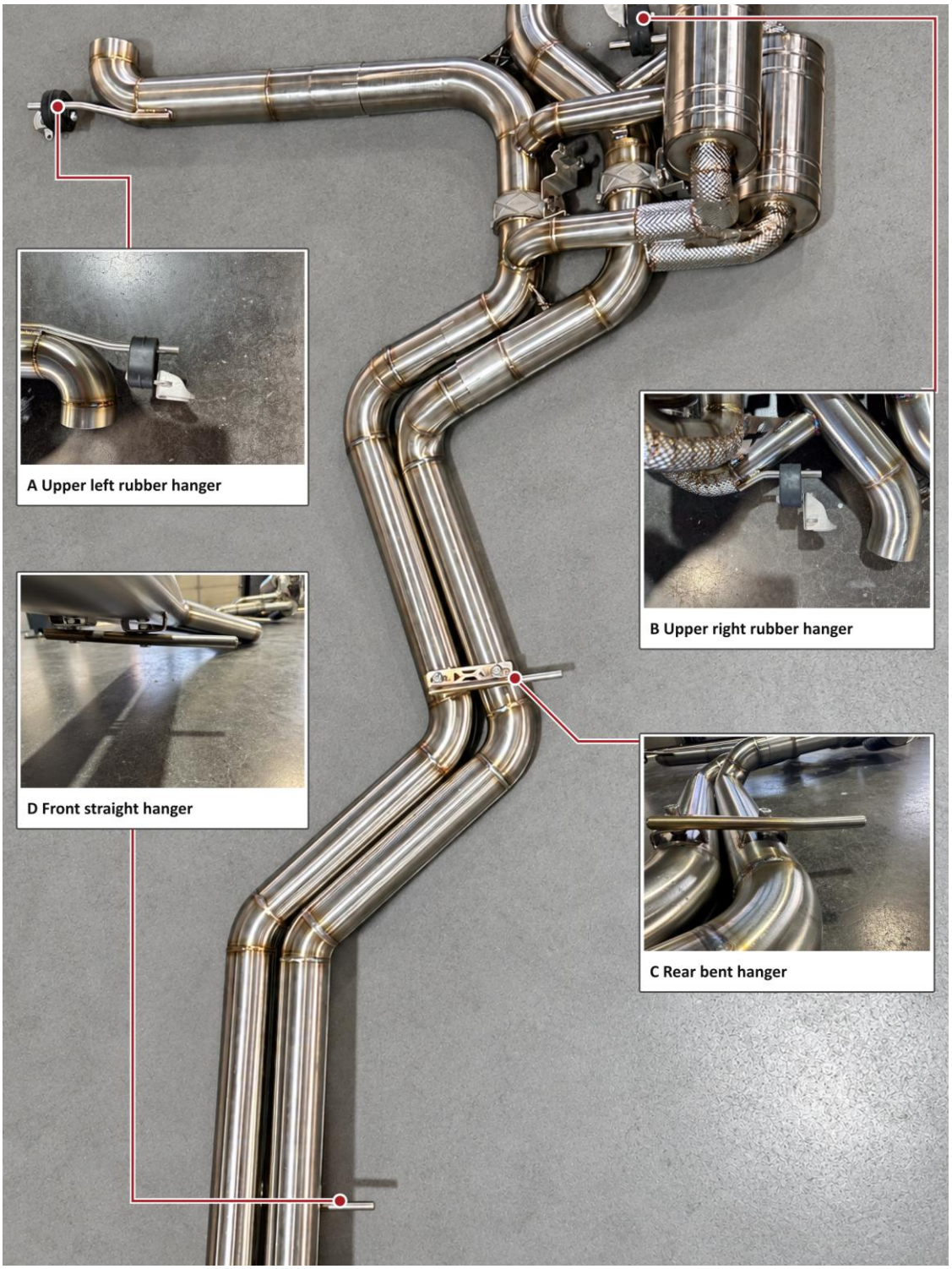
Damage caused by improper installation, incorrect alignment or inadequate fastening is not covered by our warranty. This also applies to self-installation. Statutory warranty rights relating to defects in the product remain unaffected.

Scope of delivery

Quantity	Component
4	Rubber exhaust hangers
4	M8 × 12 socket head screws
4	M6 × 16 socket head screws
4	M6 nylon-insert hex lock nuts
4	8.4 mm serrated lock washers
4	Stainless steel shaft collars with hex socket screws
2	2.75-inch clamps
2	70 mm double sleeve clamps
1 set	EGO-X connecting pipes for RS5 B10, set of 2
1	Rear silencer
1	Tailpipe routing assembly
2	Bull-X tailpipe sleeves, black PVD coating
1	3-inch clamp
1	Bull-X Tronic extension harness, 70 cm, 4-pin
1	Bull-X Tronic extension harness, 130 cm, 4-pin

Overview of the pre-assembled exhaust system

Pre-assembled system with one tailpipe bend. Front and rear refer to the direction of travel; upper left and upper right refer to the overview photo.



1 Remove the original exhaust system

Remove all underbody braces before removing the original exhaust system.

Cut the original exhaust system at the two pipe sections shown in the photo. Carefully determine and mark the cutting positions before cutting.

On both pipe connections, measure 80 mm from the centre of the first weld seam to the cut edge. Use the marked weld seam at the transition from the Y-piece to the two straight pipe sections as the reference. Take the measurement along the centre of each pipe and check both cutting positions.

In addition to measuring, hold the EGO-X connecting pipes in position under the vehicle, using the respective hanger positions as reference points. Check that the marked cutting positions match the intended installed position of the connecting pipes. Only cut the original pipes after completing this check.

Securely support the exhaust system to be removed, cut the pipes at the marked positions and remove the system. Deburr the cut edges and prepare the connection areas for installation.

Cutting dimension: 80 mm from the first weld seam to the cut edge, as shown in the photo.

2 Pre-assemble the exhaust system

Pre-assemble the EGO-X exhaust system outside the vehicle as fully as possible. This improves access to the components and makes subsequent installation under the vehicle easier.

Prepare the slip joints

We recommend suitable exhaust assembly paste for all slip joints. Follow the paste manufacturer's application instructions.

Pre-assemble the connecting pipes

Fit the connecting pipes together and secure them loosely at first. Leave sufficient movement for final alignment.

Fit the tailpipe bend

Fit the single tailpipe bend to its intended connection and secure it loosely at first.

Use the supplied rubber exhaust hangers

Four rubber exhaust hangers are supplied with the system. These supplied hangers must be used. The original rubber hangers are significantly softer and must not be reused for this installation. Fit the rubber hangers to the designated mounting points in the rear silencer area before lifting the system under the vehicle.

Transfer the original exhaust valve actuators

Before removal, check and record whether the original exhaust valves are open or closed. Remove the original valve actuators and fit them to the EGO-X exhaust system. Set the EGO-X valves to the same position so that the valves and actuators are correctly aligned. Seat the actuators without stress; do not use the mounting screws to force them into position.

Secure the valve mechanism clips

Make sure the clips that engage with the valve mechanism do not detach from the actuators. If a clip does detach, refit it in exactly its original position on the splines of the corresponding actuator. Do not change its position on the splines.

3 Hangers and valve control

Fit the centre tunnel hangers

Two different hangers are used in the centre tunnel area. Observe their correct positions relative to the direction of travel:

- Front: fit the completely straight hanger.
- Rear: fit the slightly bent hanger in the rear differential area.

Fit both hangers loosely at first. Only fully tighten the pipe joints and hanger fastenings used for alignment once the entire exhaust system is suspended and correctly aligned.

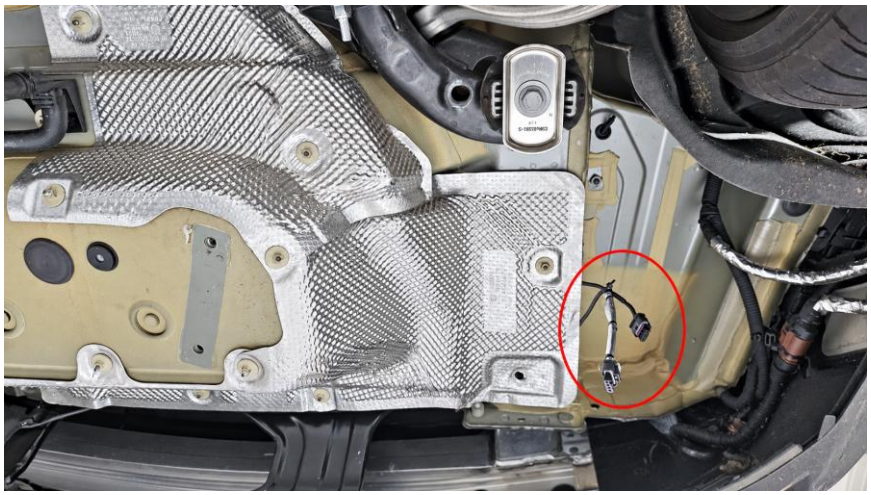
Detail of the hanger mounting on the connecting pipes. Leave the fasteners loose initially.

Route the valve control cables

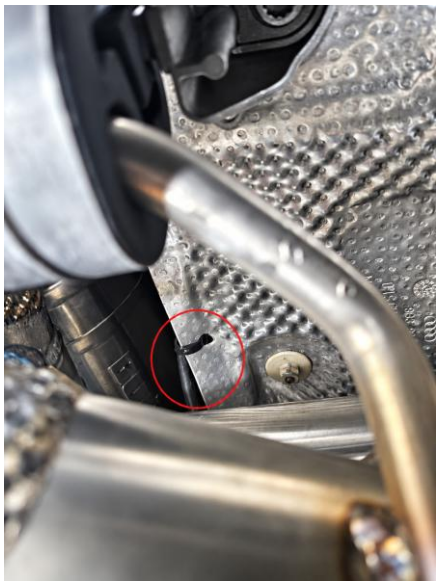
Route the valve control cables behind the heat shield at the rear of the vehicle towards the driver-side rear wheel housing. The two cable ends emerge there as shown in the photo. Route and secure the cables without tension and with sufficient clearance from hot or moving components.

We recommend securing the cables to the heat shield. Drill or punch a small hole at the position shown and secure the cables with a cable tie. Protect any cables and components behind the shield from damage and deburr the hole edges.

Cable routing to the driver-side wheel housing



Fixing point on the heat shield



3 Hangers and valve control

Connect the extension cables and original exhaust valve actuators. Always maintain the correct side-to-side assignment.

Assign the extension cables

Passenger side: use the longer extension cable (130 cm).

Driver side: use the shorter extension cable (70 cm).

The cable with additional heat insulation runs to the inner valve, towards the vehicle centre. Position the insulation at the valve end of the cable, immediately before the valve actuator connection, as shown in the photo.

Connect the valve actuators to the correct sides

Connect the cable originally leading to the passenger-side actuator to the passenger-side actuator of the EGO-X system. Likewise, connect the driver-side cable to the driver-side actuator.

Important: Do not interchange the driver-side and passenger-side connections!

Top: 70 cm · Driver side
Bottom: 130 cm · Passenger side

4 Install the pre-assembled exhaust system

Step 1 Feed the system into the rear of the vehicle

With suitable assistance, move the pre-assembled EGO-X exhaust system under the vehicle as one unit. Feed the rear section into the rear of the vehicle first, initially keeping the front connecting pipes lowered as shown. Keep the system securely supported throughout.

Feed the rear section into position first, then raise the complete exhaust system.

4 Install the pre-assembled exhaust system

Step 2 Position the driver-side rear silencer

Make sure the rear silencer fits correctly in the driver-side rear wheel housing area. It must not contact the body or adjacent components. Continue checking its position as the system is raised.

Step 3 Align the passenger side

At the same time, check the passenger-side alignment. Position the tailpipe bend and hanger in their intended locations, ensuring sufficient clearance from surrounding components. Do not fully tighten the connections yet.

Check both sides for correct fit and clearance before connecting to the secondary catalytic converters. Keep the exhaust system securely supported.

Step 2 Driver side

Step 3 Passenger side

4 Install the pre-assembled exhaust system

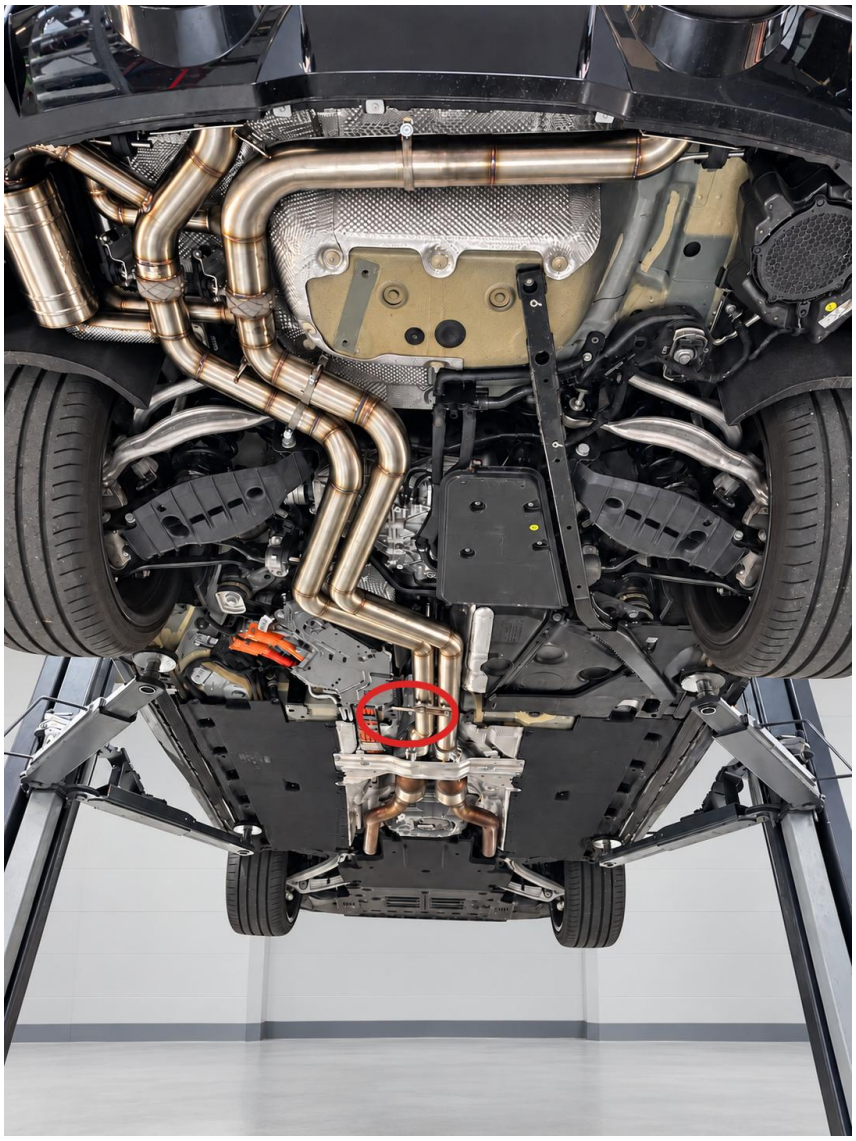
Step 4 Raise connect and suspend the system

Raise the complete exhaust system into its installed position. Use the supplied 70 mm double sleeve clamps to connect the front connecting pipes to the remaining original pipe ends at the secondary catalytic converters. Suspend the system in the designated rubber hangers. Leave all screws and clamps loose initially.

The overview below shows the exhaust system loosely suspended under the vehicle. This is the starting point for final alignment and adjustment. The screw and clamp connections are then tightened step by step as described in section 5.

Important: Carefully align the marked hanger on the connecting pipes. It must not touch the adjacent sheet metal in the high-voltage cable area. Ensure sufficient clearance before final tightening, allowing for thermal expansion.

EGO-X exhaust system loosely suspended before final alignment and fastening.



5 Align and secure the exhaust system

Align the fully suspended exhaust system without stress. Pay particular attention to the connecting pipes, rear silencers and tailpipe bend. Ensure sufficient clearance from the body, heat shields, braces and other components. Allow for thermal expansion.

Make sure the rubber hangers are correctly seated. Route and secure the valve actuator wiring without tension and away from hot or moving components.

Once the system is correctly aligned, fully tighten all connections and fastenings in accordance with the applicable installation specifications. Check the exhaust system, particularly all slip joints, for leaks. Check the clearance of the entire exhaust system from surrounding components and test the exhaust valves for correct operation.

Final installation step Fit the PVD tailpipe sleeves

Only fit the two black PVD-coated Bull-X tailpipe sleeves once the exhaust system is fully installed, aligned and securely fastened. This is the final installation step.

6 Road test and follow-up inspection

The EGO-X exhaust system is made of stainless steel. The material expands when heated and contracts as it cools. The system may therefore settle and shift slightly after the first heating and cooling cycles.

We strongly recommend bringing the exhaust system fully up to operating temperature through sufficient road testing, then rechecking its position, clearances and fastenings. If necessary, realign and readjust the system without stress.

Caution: Hot components. Allow the system to cool sufficiently before loosening or adjusting it. After any adjustment, check the clearances again with the system at operating temperature.

Questions or installation problems

If you have any problems or questions about installation, email info@hg-motorsport.de. Include a detailed description, clear photos of the installation and full vehicle details. Please also provide the exhaust system’s part or type number and, if available, the order or invoice number so that we can assist you effectively.