

Tips & Technology

For Bosch Partners

Current topics for successful workshops No. 47/2012

Braking technology



BOSCH

Invented for life

EHB from Bosch now in eXchange range

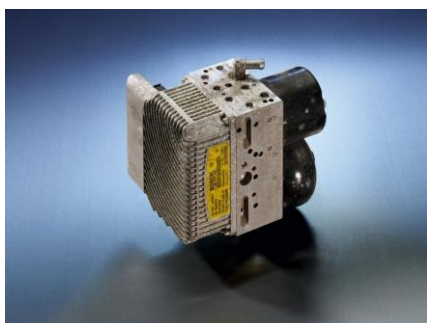
Electrohydraulic brake (EHB) as an exchange solution from Bosch eXchange

Bosch introduced the first electrohydraulic braking system onto the market more than ten years ago. Today we are also offering the unit as part of the Bosch eXchange parts range. Our fast, uncomplicated exchange system provides a low-cost alternative to purchasing new parts. Independent workshops have the opportunity to replace faulty electrohydraulic braking systems.

Bosch OE quality

As with other eXchange products, Bosch provides the same warranty conditions for the EHB unit as for new parts. The hydraulic unit is always replaced with a new one. The control unit is cleaned, tested and repaired. The final inspection is the same as tests on new control units.

EHB before repair:



EHB after repair:



How to replace the EHB from Bosch

The EHB unit is easily accessible because it is situated above the engine. No special training is required, as the work steps are the same as for replacing control units and hydraulic modulators for ABS and ESP® systems. You can find more detailed information in ESI[tronic].

Step 1



Before starting work, deactivate the EHB system using a Bosch diagnostic tester from the KTS series.

Step 2



Clean the hydraulic modulator and surrounding work area. Unlock and pull out the control unit plug.

Step 3



Detach the hydraulic connections. Seal open connection holes immediately with sealing plugs. Next, remove the hydraulic modulator. Make sure that the old part does not get dirty or damaged.

Step 4



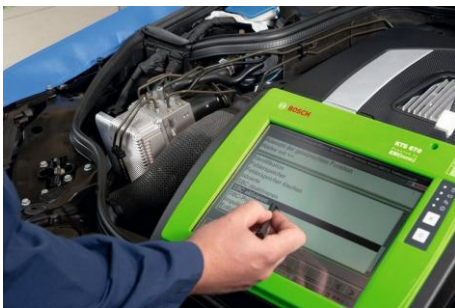
Insert the new hydraulic modulator. Only remove sealing plugs immediately before connecting the hydraulic lines.

Step 5



Firmly screw in the screw couplings of the brake pipes. Ensure the correct torque.

Step 6



Activate the system with the Bosch diagnostic tester and bleed the braking system and backup brake circuit using a bleeding appliance. Take heed of warnings!

Step 7



Place the removed EHB in the box in which the exchange unit was delivered ("back-in-box" system), and send the package to Bosch. After it has been inspected, you will receive a credit note.