

Replacement control unit for VP30 & VP44 diesel injection pumps

HCP-xxxx-xx · Bosch PSG5 applications

1. Description

A brand-new electronic control unit for Bosch VP30 and VP44 rotary diesel injection pumps fitted with PSG5 electronics. It replaces the original pump control unit where that unit is no longer repairable, unavailable, or economically unviable.

Unlike a repaired or remanufactured solution, the unit is built from new electronics throughout and is engineered to match the functionality of the original controller within the original pump housing. It restores the original injection timing and metering and communicates with the engine over the standard interface, returning the pump to correct operation.

Every unit is supplied coded and calibrated for the pump reference ordered. No proprietary software, licence or programming tool is needed to put it into service. Produced in Europe.

2. Features

- New electronic components throughout — no repaired or remanufactured parts
- Supplied pre-coded and calibrated for the reference ordered
- No proprietary software, licence or programming tool required to fit it
- Fits the original connector and the original pump mounting
- Idle and injection-start-angle adjustment over the standard K-Line protocol
- Recalibration and EPS 815 bench compensation as on a genuine unit
- Supplied on exchange — the replacement ships first
- Three-year warranty
- Continuous production for long-term availability

3. Supplied components

- HC-PSG5 control unit, coded for the reference ordered
- Seal kit
- Quantity control valve and advance control valve wiring interfaces

The pump shaft sensor is not supplied. It transfers from the original unit. Check its condition before starting the job — a new sensor is available separately if the original is damaged.

4. Installation

- Transfer the shaft sensor from the original unit
- Mount to the pump; connect the pump-side interfaces and the vehicle harness
- No coding, no programming, no software — the unit arrives ready to run
- Adjustment, recalibration and EPS 815 compensation use the equipment already in the workshop



Orientative illustration. Configuration varies by application.

Pumps	Bosch VP30 / VP44, PSG5 electronics
Families	0470004 · 0470006 · 0470504 · 0470506
References	58 available, expanding
Supply voltage	Per reference
Condition	New, supplied on exchange
Warranty	3 years

5. Warranty & support

- Three years, on units that have not been manipulated
- Recalibration or compensation by a third party on an EPS 815 bench does not affect the warranty
- Where the warranty applies the unit is replaced, not repaired
- Technical support direct from Herlic Components: [support contact to confirm](#)

6. Ordering

- Order against the pump's Bosch reference, stamped on the pump
- Supplied on exchange: the replacement ships first and the original unit is returned afterwards. The core is charged if it does not arrive
- Any condition of returned unit is accepted, except a completely destroyed plastic and aluminium housing
- Lead time: standard shipping from Spain to the destination country
- Orders and distributor enquiries: [channel to confirm](#)

Compatibility list

58 references available · Bosch applications

7. How a reference is formed

HCP-0040-02

The last six digits of the Bosch number, split four and two.

Bosch 0 470 004 002 → HCP-0040-02

Bosch 0 470 504 012 → HCP-5040-12

8. Available references

HC REFERENCE	APPLICATION PUMP	HC REFERENCE	APPLICATION PUMP	HC REFERENCE	APPLICATION PUMP
HCP-0040-02	0 470 004 002	HCP-5040-04	0 470 504 004	HCP-5040-42	0 470 504 042
HCP-0040-03	0 470 004 003	HCP-5040-05	0 470 504 005	HCP-5040-43	0 470 504 043
HCP-0040-04	0 470 004 004	HCP-5040-06	0 470 504 006	HCP-5040-46	0 470 504 046
HCP-0040-05	0 470 004 005	HCP-5040-07	0 470 504 007	HCP-5060-02	0 470 506 002
HCP-0040-06	0 470 004 006	HCP-5040-09	0 470 504 009	HCP-5060-06	0 470 506 006
HCP-0040-14	0 470 004 014	HCP-5040-10	0 470 504 010	HCP-5060-17	0 470 506 017
HCP-0040-15	0 470 004 015	HCP-5040-11	0 470 504 011	HCP-5060-18	0 470 506 018
HCP-0040-16	0 470 004 016	HCP-5040-12	0 470 504 012	HCP-5060-19	0 470 506 019
HCP-0040-17	0 470 004 017	HCP-5040-14	0 470 504 014	HCP-5060-23	0 470 506 023
HCP-0040-18	0 470 004 018	HCP-5040-17	0 470 504 017	HCP-5060-25	0 470 506 025
HCP-0040-19	0 470 004 019	HCP-5040-18	0 470 504 018	HCP-5060-31	0 470 506 031
HCP-0060-01	0 470 006 001	HCP-5040-22	0 470 504 022	HCP-5060-32	0 470 506 032
HCP-0060-02	0 470 006 002	HCP-5040-23	0 470 504 023	HCP-5060-39	0 470 506 039
HCP-0060-03	0 470 006 003	HCP-5040-25	0 470 504 025	HCP-5060-42	0 470 506 042
HCP-0060-04	0 470 006 004	HCP-5040-28	0 470 504 028	HCP-5060-43	0 470 506 043
HCP-0060-05	0 470 006 005	HCP-5040-29	0 470 504 029	HCP-5060-44	0 470 506 044
HCP-0060-06	0 470 006 006	HCP-5040-33	0 470 504 033	HCP-5060-45	0 470 506 045
HCP-0060-07	0 470 006 007	HCP-5040-34	0 470 504 034	HCP-5060-47	0 470 506 047
HCP-0060-08	0 470 006 008	HCP-5040-38	0 470 504 038		
HCP-5040-03	0 470 504 003	HCP-5040-39	0 470 504 039		

The list is expanding. References not shown may be available on request — quote the Bosch number stamped on the pump.

Reference not listed?

Coverage is added continuously. Send us the Bosch number stamped on the pump and we will confirm availability, or tell you when that reference is due.

Herlic Components · [enquiry contact to confirm](#)