

Retail Operator / General Manager	Sales - Motorcycles	Sales - Used Motorcycles	Business Manager (F&I)	Service	Parts & Accessories	Administration
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BMW Motorrad USA Parts Information Bulletin

Subject: ABS Pro HP 4 (K42)

BMW Motorrad USA is pleased to announce the introduction of ABS Pro exclusively for the HP 4 (K42). This breakthrough in braking safety can now be retrofitted by means of a software update via the conversion path of the programming system.



Overview

- Further enhancement of Race ABS
- Additionally supports braking when leaning over in curves
- Considerable increase in active safety during braking when cornering
- Retrofitting exclusively for HP4 models only

Description	Part number	MSRP
Enable code for ABS Pro ¹	77 23 8 546 512	\$ 484.43

¹ Not in conjunction with the HP Race Power Kit with or without the HP Race Calibration Kit

Operational details

- Designed for use on roads
- In addition to braking during straight-ahead riding, also supports braking in curves for even greater safety
- Reduces abrupt changes in steering forces, especially during panic braking, and therefore decreases the risk of front wheel locking and unwanted rear wheel lifting
- ABS Pro adapts the ABS control to the motorcycle's lean angle
 - Determination of the lean angle via signals for roll and yaw rates and lateral acceleration by the sensor which is already used for Dynamic Traction Control (DTC) and for the electronic suspension (DDC)
 - As the lean angle increases, braking pressure is adjusted to regulate a more uniform ABS modulation
- The advantage for the rider: Sensitive reaction of the brakes and high braking and riding stability with the best possible deceleration even when leaned over in curves
- ABS control behavior is dependent on the riding mode:
 - ABS Pro is active in the "Rain" and "Sport" riding modes only: "ABS Pro" is displayed in conjunction with the two "Rain" and "Sport" riding modes, during the Pre-Ride-Check in the instrument cluster
 - No support by the ABS Pro function in the "Race" and "Slick" riding modes



Installation/conversion

- The ABS Pro function is available for the HP4 only as a dealer install (retrofitting at an authorized BMW Motorrad dealer) and **not** a factory option
- Retrofitting is possible for all HP4 (K42) model years
- To retrofit ABS Pro, the software of the ABS system and of the instrument cluster must be updated, no replacement or installation of hardware components is required
- Retrofit possible with valid enable code via the conversion path of the programming system
 - Activation possible only by an authorized BMW Motorrad dealer
 - The enable code after order is obtained online via Sweeping Technologies within ASAP
- Retrofit possible from IST/AP Version 54.0 onward

Contact: Parts and Accessories Manager