

INSTALLATION MANUAL

FOR **RH** SECOND LIFE KIT

This kit can be used for the following motor bike:

CAN Modelle: R1200GS / R1200RT / R1200ST / K1200S / K1200R / K1200GT

Analog Modelle: R1100S / R1150R/RT / R850/RT / R1150GS / R1150GS Adventure / R1150RS / R1200C / R1200CL / K1200RS/GT / R1200C Mauntak / R1200C Independent / K1200 LT

- 1** Dismantle your original BMW / FTE unit from the vehicle.
- 2** Install the RH Second life kit with the original holder in the vehicle.
- 3** Ensure that the vehicle ignition is switched off. Plug in the electronic connection socket. Both plugs for brake fluid level sensor are no longer needed. Please secure the plugs with a cable strap at an appropriate position.
- 4** Connect the 4 brake pipeline in correct order on the quick closure. Use 4 new seals and brackets in the parts supplied. (Already attached to the unit) Secure the brackets with original protection cap on the brake pipeline.
- 5** Bleed the brake system according to manufacturer`s specification without ABS. Use only brake fluid DOT 4. We recommend conventional bleeding through pumping of brake lever, other methods do not always guarantee complete air escape. Finally, perform pressure test to check all pipeline for leakage.
- 6** Switch on the ignition. The ABS should blink normal. Now check the following: Brake light and Back light drive test : back light drive test can be simulated by turning the back wheels, (>6kmh) there should be little swing of the speedometer needle. ABS control light should go off.
- 7** You can now select a desired function of your ABS warning lamp as shown in diagram 1. Please note that Mode 1 and Mode 2 indicates unchanged version of the Motor bike with a functioning ABS brake unit. Therefore, the driver is not informed about a deactivated ABS system. Factory setting is Mode 1

OPERATION MODE

The following options are available for selection:

Mode 1

normal ABS Lamp function: (ABS_LAMP:OFF)

- **ABS Lamp blinks slowly till 5km/h is exceeded, thereafter the lamp switches off**
- CAN (BUS off/KOMBI Message missing) / Wheel speed sensor(Short GNS/V_BATT and OPEN load) / Configuration is not known, will be indicated with permanent warning triangle
- Error will be indicated through warning lamp

Mode 2

red ABS Lamp permanently on: (ABS_Lamp: Slow)

- **ABS Lamp permanently on during start**
- CAN (BUS off/KOMBI Missing Message) / Wheel speed sensor fault (Short GNS/V_BATT and OPEN load) / Configuration is not known, will be indicated with permanent warning triangle
- Error will be indicated through warning lamp

Mode 3

No lamp in start phase: (ABS_LAMPE:FAST)

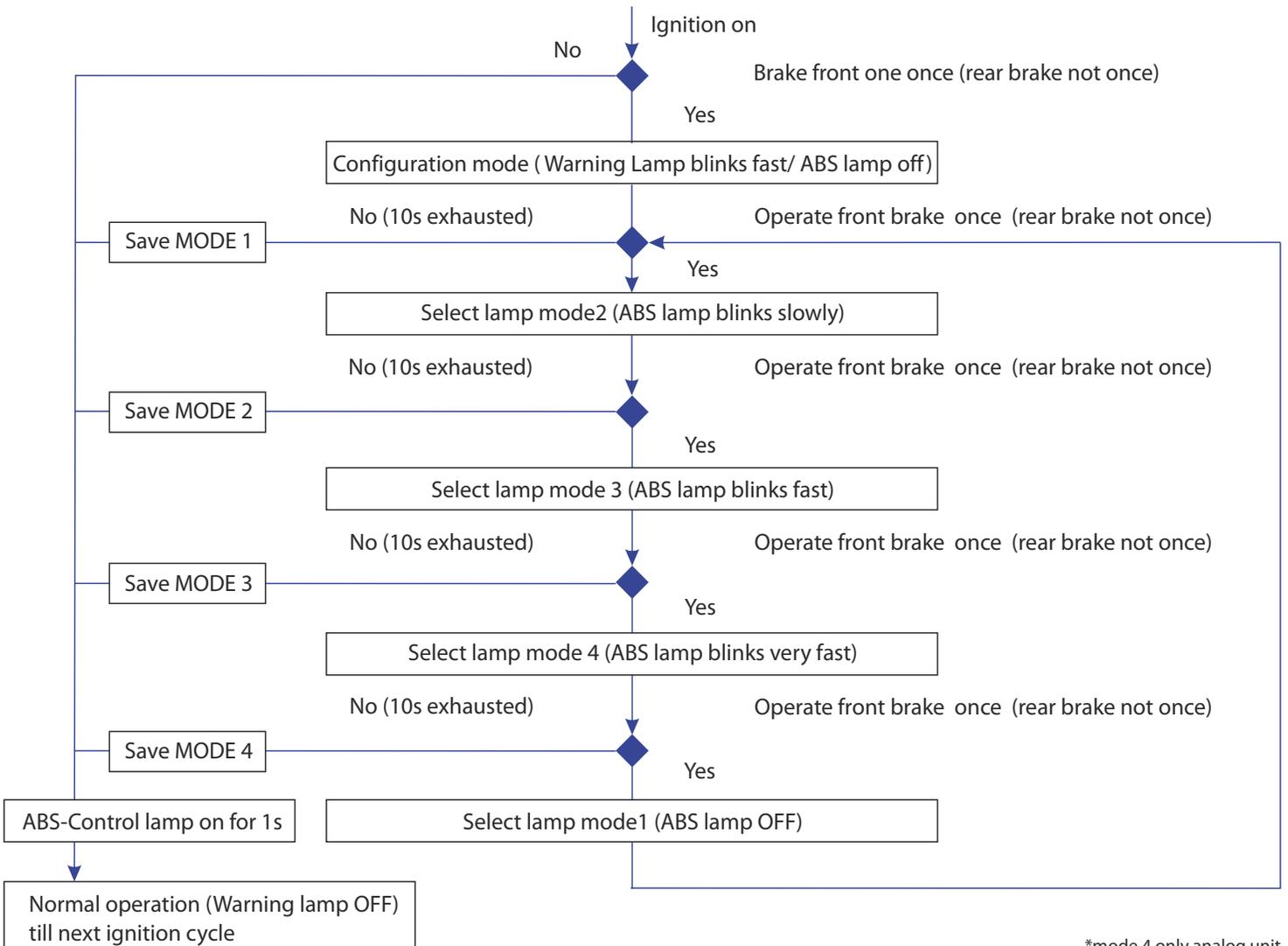
- **No ABS lamp during start**
- CAN (BUS off/KOMBI Message missing) / Wheel speed sensor(Short GNS/V_BATT and OPEN load) / Configuration is not known, will be indicated with permanent warning triangle
- Error will be indicated through warning lamp

Mode 4

Only for the analogue device

- **No lamp in start phase, no diagnosis: (ABS_LAMPE: MEGA_FAST)**
- No ABS lamp during start
- No error indicator through warning lamp

EXPLANATION ON OPERATION MODE WARNING LAMP



You can assemble the motor cycle if you have set a preferred mode and successfully confirmed that all functions are working. Carry out the final test drive. Front and back brake function must be clearly confirmed to be functional.

The motor bike is now rebuilt. You may change mode of warning lamp any time. Error in the system will be indicated through blinking of ABS warning lamp. During diagnosis with diagnosis tool, ABS control unit will not be found or can not be read.

Brake system is functional and can no longer fail. Braking force reinforcement and ABS function is no more existent. It can now be dosed better and is no longer prone to intensive maintenance like ABS control unit. Note that in the event of full brake, both wheels will block and **you do not have ABS function.**

Reading of the ABS control unit with a diagnosis tool is no longer possible. However, error will be indicated through fast blinking of ABS Lamp.

- CAN (BUS off)
- Wheel speed sensor(Short GNS/V_BATT and OPEN load)
- Configuration is not known
- Second life Kit defect

Technical specifications

Operating voltage:	11 - 14,5 Volt
Operating temperatur:	-20 °C bis +85 °C
Max. wattage taillight (Analog):	10 W
Max. wattage stop light (Analog):	21 W
Maximum pressure:	150 Bar
Bursting pressure:	>1000 Bar
Medium:	DOT4

Maintenance

Please change brake fluid every 2 years as recommended by manufacturer. The unit is protected from spray water but not completely water tight. Please avoid direct water splash (Garden hose, steam jet etc).

Guarantee / Warranty

We guarantee 24 months from date on the invoice, for function, if correctly installed. Excluded is damage through water, corrosion, excess voltage and polarity miss match as well as damages due to incorrect installation.

Part list

4x brackets for quick closure (on the unit)
4x seals for quick closure (in-built on the unit)
1x reusable container to return old unit for purchase
1x manel user

License/ Examination

There is **no license** for the Second life kit, we offer.

Be warned that with the installation in a corresponding motorcycle with road license, it nullifies your **“Operating license”**.

The kit is therefore **only for racing sport purposes** as well as for **single approval** with appropriate registration.