

Assembly Instructions

This

set is intended as replacement of the original alternator for JAWA 500 OHC motorcycles, type 01 and 02.

- 1. Demount the original alternator from the motorcycle and remove the drive gear of the alternator. Mount the gear wheel on the transmission of the assembly, and secure with nut. CAUTION! The transmission is supplied without the oil contents! On front of the gear, unscrew the filling and check screw, and refill with new transmission oil SAE 80W-90, approx. 1 litre of oil. Check the oil level in horizontal position of the gear (as it is placed on the motorcycle); drain any excessive oil.

- 2. Mount the gear prepared in the above described manner onto the engine, and slightly tighten using holding screw M6x40. Attach supporting belts to the gear and measure, how those belts need to be moved so that the gear can be fastened. Once the measurement is known, demount the gear from the engine and at the same time demount the fastening belts by knocking out the cylindrical pegs 6x45.

- 3. Adjust the bottom part of the supporting belts so that they can be moved by the desired distance to the right, in the direction of the drive. Once the adjustment is completed, mount the belts back onto the engine.

- 4. Fasten the gear on the engine and check whether the gear wheel of the alternator drive and the wheel on the gear snap properly.

- 5. Turn the engine so that the pistons are in the top dead centre and, in that position, adjust the adjustment line on the ignition impeller so that it is aligned with the adjustment line on the ignition stator. Secure the rotor by means of the attached retainer, and tighten the impeller nut. Thus the basic pre-ignition has been set. The impeller is fitted on the shaft by means of cone so that any further adjustment or disassembly shall be performed using retainer and extractor tool that are included in the assembly!!!! Otherwise there is a risk of irreversible damage to the impeller!!!

- 6. Place the RJ28-2 control unit and the R 102-1 regulator in the accumulator box, and dress relevant cabling as indicated in the wiring scheme on the other page of the manual.

- 7. Fix the ignition coil PX 204 under the tank on the original holder, and also fasten the cabling as indicated in the wiring scheme.

- 8. Activate engine shutdown by means of break relay, as indicated in the wiring scheme.

- 9. The assembly has 12V 100 W, so the bulbs and the horn have to be replaced with 12V.

- 10. Capacitor AEV 0403 can be used as accumulator replacement.

- 11. The first recommended oil exchange in the transmission is after 500-700 km.

Connecting the break relay: Fasten the frame on terminal No. 30 and connect to terminal No. 85. Fasten (+) pole on terminal No. 86 on the switch box and on terminal No. 87, and connect the blue-white wire from the RJ28-2 control unit.

NOTE: If you perform the assembly by yourself, you need to be equipped with the general technical knowledge and skills. Should you have any doubts, please have the assembly done in an authorised service shop.