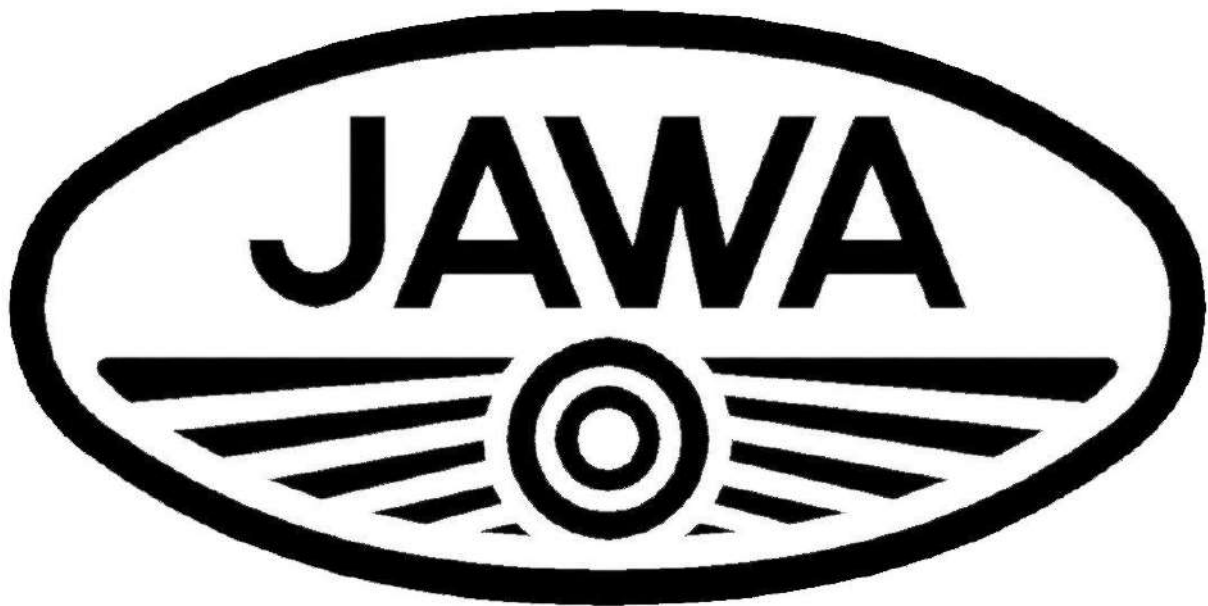


WORKSHOP MANUAL



JAWA 350/638,639,640

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2004



The purpose of this Manual, intended primary for specialized Jawa repair shops, is to facilitate all jobs connected with repairs of Jawa 350 motorcycles. All the described dismantling, refitting and adjusting procedures have been elaborated under the assumption, that the recommended tools and special jigs and fixtures will be used for them. All information, illustrations and technical data contained in this manual are based on the latest knowledge gained in and during manufacture. The Jawa Moto spol. s r.o. reserves the right to change its products any time without a previous notice. Any changes and or deviations from the standard version for certain territories will be published in the form of Supplements to this Manual. It is not permitted to reproduce this Workshop manual or its parts in any form whatsoever without written consent.





PRE-SALE SERVICE

1. Unpack the motorcycle, free it from preservation grease, assemble the separately delivered units and parts of accessories /control of completeness/.
2. Check engine and frame numbers – to be conform with the documentation.
3. Take out the accumulator – charging – forming, assembly.
4. Control the oil level in the gearbox – refilling.
5. Control all the functions of electrical accessories.
6. Basic adjustment of the headlight /page 50 operating instructions/ and verification of headlight tilting.
7. Check ignition – spacing between catcher and rotor.
8. Adjustment of coupling.
9. Adjustment of brakes. /idle run, deaerate front, clearance of stop switch cable/
10. Filling the machine with min. 1 liter of petrol – lubricated 1:50 and starting the engine. (Motos without Oil-master) By motorcycles with Oil-master – filling in oil, deaerate whole systém, filling in petrol and starting.
11. Adjusting the idle run on warm engine, retightening of cylinderheads and exhaust elbows.
12. Control of bolted connections.
13. Instructions about attendance of machine and handing over to the customer.

TECHNICAL DATA

DIMENSIONS OF MOTORCYCLE

Length	2100 +/- 30 mm
Width	780 +/- 15 mm
Height	1160 +/- 30 mm
Clearance	120 +/- 10 mm
Seat height	820 +/- 15mm
Axle base	1370 +/- 25 mm
Min. turn radius	3,5 +/- 0,4 m

MASS AND LOAD

Proper mass	149 +/- 3 kg
Running mass	162 +/- 3 kg
Overall mass	342 +/- 3 kg
Payload	180 kg
Nr. of seats	2
Trailer mass	50 kg overall
Sidecar mass	172 kg overall

ENGINE

Category	two-stroke, air-cooled
Nr. of cylinders	2
Cylinder capacity	343,5 ccm
Bore	58 mm
Stroke	65 mm
Compression ratio	9,8 + 0,7 : 1 - 0,3 : 1
Max revs.	5750 / 1 min
Max output	17 kW–10% -5250/1 min +/- 3%
Max torque	32 Nm–6% - 4750/1 min +/- 5%
Class	Jikov 28-29 CE horizontal

CARBURETOR

Slide type

CLUTCH

Type multiple-disc in oil bath



GEARBOX	Type	mechanical with gears, double shaft
	Number of gears	4
	Control	by foot lever
	Overall ratio	climbing capacity with full load
	1.st gear	1 : 14,50 41%
	2.nd gear	1 : 8,60 20%
	3.rd gear	1 : 6,10 14%
	4.th gear	1 : 4,96 9,5 %
	primary chain	2 x 9,525 x 4,77 66 links
	secondary chain	1 x 12,7 x 7,75 126 links +1 conect
SUSPENSION	Front	telescopic fork, steel spiral springs
	Stroke	150 mm – wheel axle 134 mm
	Rear	swing arm, spiral springs
	Stroke	80 mm – wheel axle 90 mm
	Front shock absorber	hydraulic
	Type	telescopic in fork's arms
	Rear shock absorber	hydraulic
	Type	telescopic in suspension units
RIMS	Front wheel	steel, deepened profile
	Dimensions	2,15 B x 18"
	Rear wheel	steel, deepened profile
	Dimensions	2,15 B x 18"
BRAKES	Front	disc type, hydraulic control
	Dimensions	ø 265 mm
	Rear	drum, mechanic control
	Dimensions	ø 165 mm
ELECTRIC OUTFIT	Ignition	magneto VAPE A67 contactless
	Output	12 V, 180 W
	Battery	lead type, 12 V, 6 Ah
	Headlamp	asymmetrical, rectangular, adjustable 12 V – 60/55 W 12 V – 4 W BA 9s
	Dip switch	sliding type
	Indicators switch	lever type
	Tail lamp	group type
	Indicators location	headlamp bracket rear frame
FUEL AND LUBRICANTS	Fuel tank capacity	17 l, 2,8 l reserve
	Gearbox – oil charge	1+0,1 l
	Suspension – oil charge	
	Front	200 ccm per arm
	Rear	47 ccm per absorber permanent charge
	Front brake	brake fluid DOT 4 to max. (upper edge of window)
FRAME	Type	tubular, double, closed