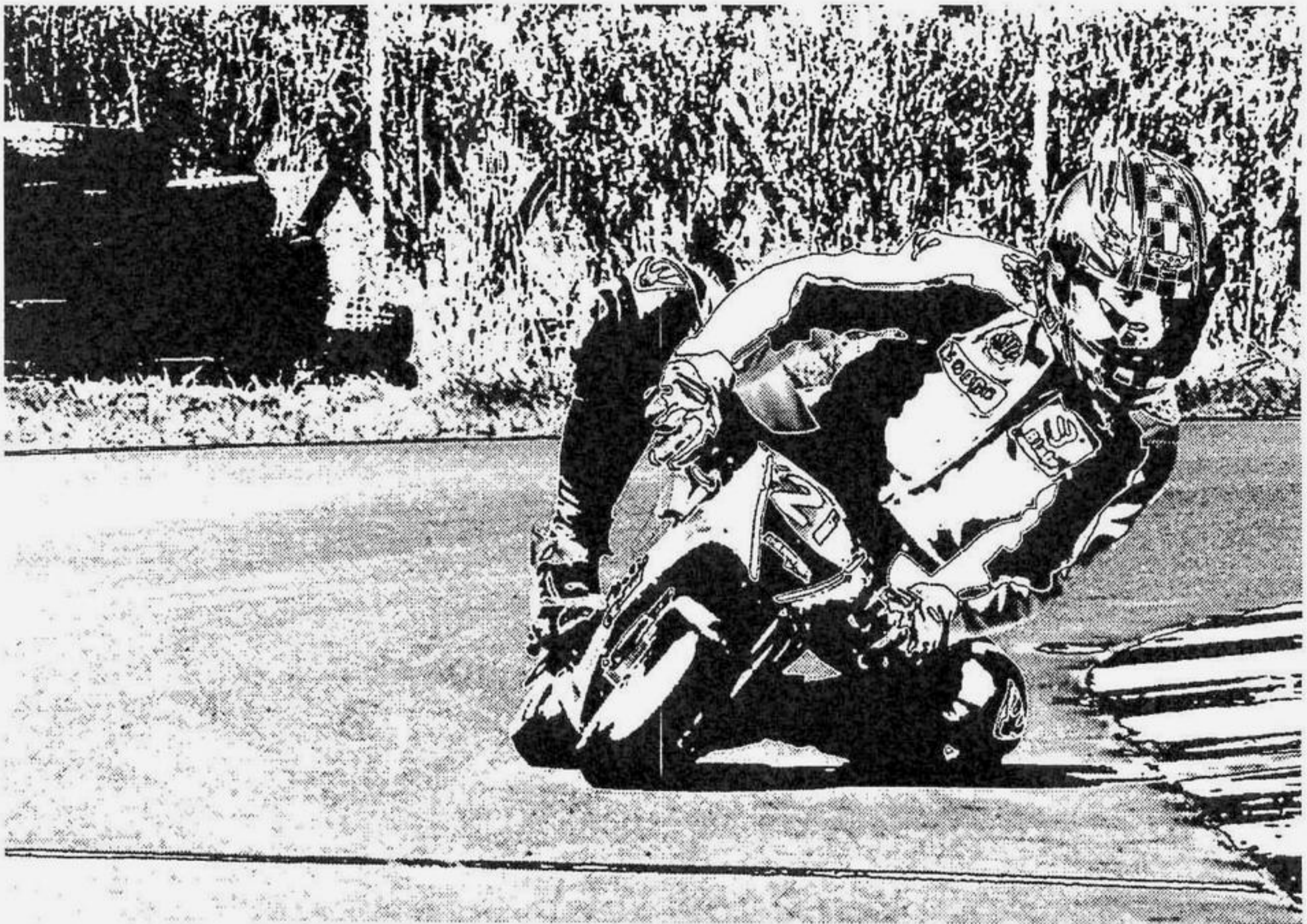


MINIBIKE

Elite 14 - WRS



S[®]
Blata

<http://www.mikin.net>

MINIBIKE - ELITE 14 WRS

SERVICE MANUAL FOR USE AND MAINTENANCE AND SPARE PARTS LIST

For your own safety and the safety of others Follow these recommendations in order to use your MINIBIKE safely and correctly. Read the instructions CAREFULLY, failure to do so may place yourself and others in extreme and or ultimate DANGER. If you do not understand the instructions and Data then, you are not to attempt to operate this Minibike under any circumstances. It may be used for show purposes only!

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INTRODUCTION

The Minibike Elite 14 WRS is designed and built for use on a paved closed circuit track. The track should be clean and without obstacles of any kind. Qualified adults and younger persons can drive the minibike. Children can drive the minibike only under the supervision of a responsible adult person. The minibike is constructed especially for racing competitions on special racing tracks.

The minibike uses a single-cylinder two-stroke, Gasoline combustion engine, and has an air filter and exhaust silencer. Transfer of power to the rear wheel is through a drive chain. The the overall drive ratio to the rear wheel can be changed by the replacement of chain sprockets. The front and rear wheel is equipped with disk brakes. The rear brake is controlled with the left lever and the front brake is controlled with the right lever on the handlebars.

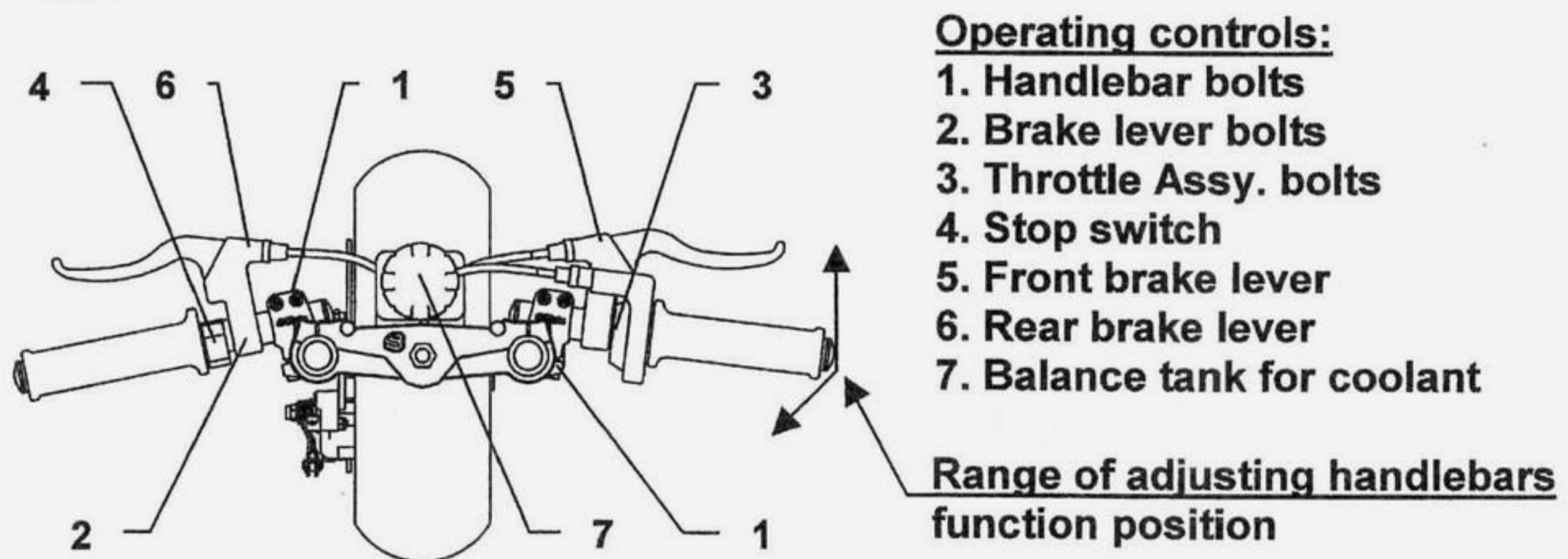
BASIC TECHNICAL DATA

<u>ENGINE:</u>	BLATA.....TWO-STROKE
	NUMBER OF CYLINDERS.....1
	CYLINDER CAPACITY39,8 cc
	ENGINE COOLING SYSTEM.....LIQUID COOLED
	POWER OUTPUT8,6 kW at 11 300 rpm
	TORQUE6,95 Nm at 11 000 rpm
	CARBURETOR..... PHVA 14 DELL' ORTO
	FUEL ADMISIONREED VALVE DIRECT TO CRANKCASE
	IGNITIONCONTACT - LESS
	SPARK PLUG..... NGK B9EGV
	STARTING HAND PULL TYPE, MANUAL
	CLUTCH.....CENTRIFUGAL AUTOMATIC
<u>FRAME:</u>	WELDEDHIGH STRESS STEEL TUBES
<u>BRAKES:</u>	FRONT WHEEL..... DISC BRAKES
	REAR WHEEL DISC BRAKES
<u>WHEELS:</u>	FRONT OF LIGHT ALLOY 2,1"x 6,5"- 99
	REAR OF LIGHT ALLOY 2,1"x 6,5"- 130
<u>TIRE:</u>	FRONT SIZE 90/65 - 6,5"
	REAR 110/50 - 6,5", 90/65 - 6,5"
<u>FUEL:</u> MIXTURE OF PETROL 92 OR HIGHER OCTANE +2 STROKE
	SYNTHETIC OIL
	MIXING RATIO (after break in period)..... 33 : 1
	TANK CAPACITY 1 Litre
<u>SPEED:</u>	WITH THE INSTALLED RATIO:..... up to 50mph(80km/h)
<u>UNLOADED WEIGHT:</u> (50,6lbs.) 23 kg
<u>CARRYING CAPACITY:</u> (240lbs) 110 kg
<u>BASIC DIMENSIONS:</u>	
	LENGTH..... 37,7 " (960 mm)
	WIDTH 20" (500mm)
	HEIGHT..... 21,2" (540 mm)

UNPACKING AND SETTING UP BEFORE RIDING

The minibike is delivered in a cardboard carton and packed with folded handlebars and brake levers. After unpacking, set up the handlebars into the position, that suits the best for driving. The maximum pulled brake lever position should not touch on the handlebar grip. After setting up, tighten the handlebar bolts 1, brake lever bolts 2, and the throttle assy. Bolts. See, Fig. 1. The level of foot rest's can be regulated by loosening the bolt M5 (914.003.01) on the handle of the foot rest (139.001.01). The foot rest can be moved to the front or back position. It is recommended to try and check the position of handlebars and foot rest's individually. While tightening the bolts and nuts, do not use an excessive force as to not damage the threads, or distort the tubes and other parts. Verify the smooth and perfect function of the Bowden cables to throttle and both brakes. Fill the cooling system with coolant and vent the system (follow the instructions in chapter MAINTENANCE OF COOLER SYSTEM). Fill the fuel tank with fuel mixture. Failure to use the proper oil mix ratio will result in Engine damage for which you will be responsible.

FIG. 1



SAFETY

The minibike is unsuitable for public road use. It does not comply with valid Safety Standards. Unsafe and careless use of a minibike can result in serious injuries. The driver can minimize the potential risks by wearing the Safety Equipment. The driver must wear safety helmet, goggles, gloves, elbow pads, kneepads, and firm footwear. The minibike cannot be used on wet, icy or oily surfaces. Avoid uneven surfaces and obstacles. Drive with two hands on the handlebars.

BEFORE STARTING

It is strongly recommended to follow all the instructions about the break-in period to promote engine reliability and long life. Break-in period of the minibike is complete after the consumption of five full fuel tanks. It is important to use mixture of petrol 92 or higher Octane with 2-stroke synthetic oil in the ratio 30:1 and after break-in period a ratio of 33:1. Mix the petrol and oil completely before putting it into the fuel tank. During the break-in period do not run the engine at maximum RPM and do not allow the engine to overheat.

Check the tire inflation – 200 kPa (2 bars) or (28 to 30psi) to be commensurate with the driver's weight. The Tyre pressure should never exceed 2,5 bars, (38psi) in either the front or rear wheel.

IMPORTANT NOTICE: If the coolant level rises in the balance tank, switch off the engine immediately! Check the drive of the coolant pump and sealing of the cooling system. After these steps, execute the ventilation of the Radiator. The raised level of coolant is an indicator of a overheated engine, which can result in seizing the piston in the cylinder.

STARTING THE ENGINE

Engine starting should be done only on the stand - Fig. 2. Fill the fuel tank and close it with the filler cap. Open the Gas petcock. Set the petrol supply cock. Set the choke lever into position "C", Fig. 3. Without turning the accelerating handle, pull gently twice the starting wire and by next quick pull start the engine. It is not allowed to pull the starting wire up to full winding off. After short engine run, set the choke lever back to position "A". Let the engine run about 1 min. Leave the minibike on the stand with running engine and if necessary adjust the revolutions so the rear wheel is not turning. For adjustment use the adjustment screw No. 3 on the carburetor Fig. 3.

FIG. 2

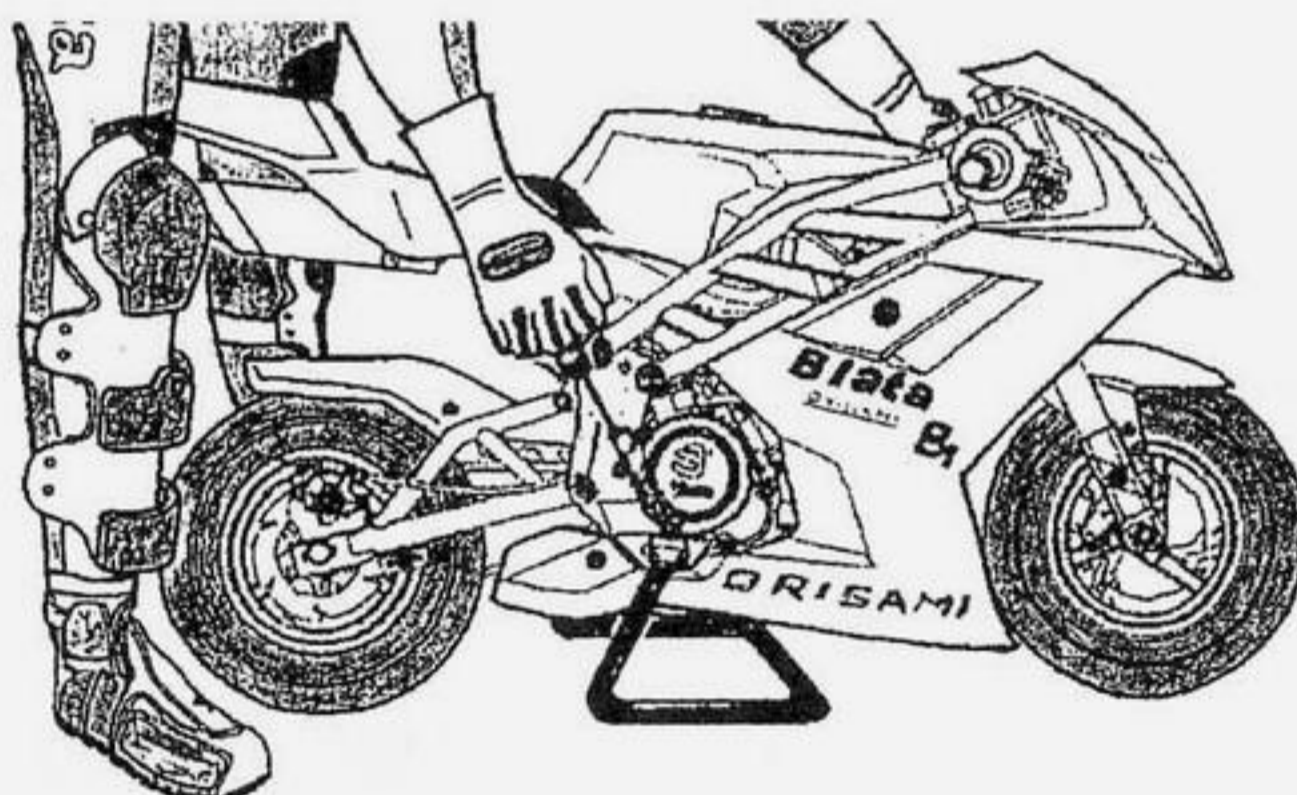
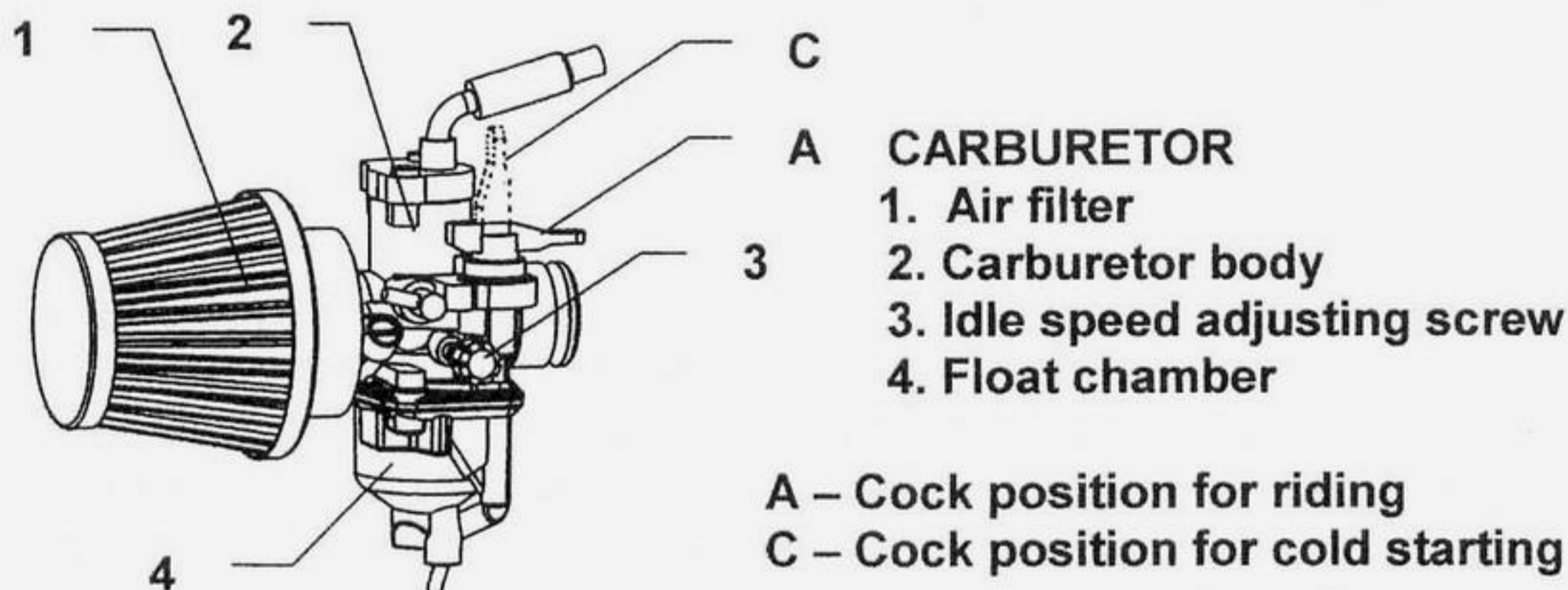


FIG. 3



RIDING

Remove the minibike from the stand to sit on the seat. When seated, then slowly rotate the throttle grip to start riding. Before braking, rotate the Throttle grip to the off or idle position and lightly depress the rear brake lever with left hand and then the front brake lever with right hand. Beware to not skid the wheels. The minibike engine is switched off by pushing the red button (Engine stop switch) on the handlebars. It is necessary to check the tightness of bolts and nuts, especially of the engine, and the brake settings after the first ride and often during the break in period.

PERIODIC MAINTENANCE

Periodic maintenance is the best way to help the machine perform well, give longevity and provide safety and low cost operation. In addition, you will be spared from many worries from self caused problems, resulting from poor maintenance or no maintenance.

A - Before every ride:

1. Check the Cables and efficiency of brakes.
2. Check the lubrication and chain tension settings. The chain free play should be (5 mm) (.200in) After every ride clean the minibike carefully and keep it clean. Do not use aggressive cleaning detergents.
3. After 1-hour of use, wash the air filter in air drying spirits and lubricate it with special oil for air filters.
4. After 1- hour of use, check the state of the clutch pads. Review the clutch adjustment.

B. After every 5 hours of riding:

5. Check the tightness of all bolts and nuts. *Tighten with a properly adjusted torque wrench only ! For torque settings see tables on page 17.*
6. Wash the air filter in gas and lubricate it with special oil for an air filters to better catch the dust.
7. Clean carefully the carburetor float chamber.
8. Check the brake pads, the thickness of brake lining cannot be less than 1 mm (.039 in). Review the basic brake adjustment.
9. Check the state of the clutch pads - the thickness cannot be less than 1 mm (.039in). Review the clutch adjustment.

C - Every time after 10 hours of riding:

10. Check the state of the clutch pads - the thickness cannot be less than 1 mm (.039in).

CHAIN SETTING AND MAINTENANCE

To set the chain tension, loosen the Nut (920.011.01) of the axel thru the rear wheel and the nut (914.021.01) of the rear Caliper anchor plate. The required chain tension (chain free play) is (5 mm) (.200in) and is performed by equal movement of the Axle adjustor plate (920.009.01) on the both sides of the rear wheel. When the adjustment is correct, tighten the Axle nuts and the Caliper holding nut. Tighten the adjustor plate nuts both sides an extra nip, just to set them firmly. It is important to lubricate the chain regularly, to avoid excess wear and prolong effective lifetime. The lubrication is important after every ride on a wet surface. It is recommended to lubricate the minibike with special chain spray. If chain replacement is necessary, check both chain Sprockets and if there is a need to change them do it together with the chain.

CENTRIFUGAL CLUTCH PARTS, REPLACEMENT

Remove the chain guard by loosening two bolts M6 (916.020.01), Fig. 5. Loosen the chain and remove it from the sprocket. Next, loosen three bolts holding the aluminum clutch housing. Remove it together with steel clutch basket, and dismantle it. Loosen the bolt from the carrier and remove the clutch from the engine. Loosen and remove the adjustable bolts and springs. Then dismantle the safety rings from pins. When all this is done, replace with new clutch slipper shoes and springs (if required), at this time. During the reassembly process follow these steps: 1. put the plate with the springs on the slipper shoes. 2. Put the plate against the carrier and mount it on the fixed pins. Fit it with the safety rings and install the adjustable bolts.

ADJUSTING THE BRAKES

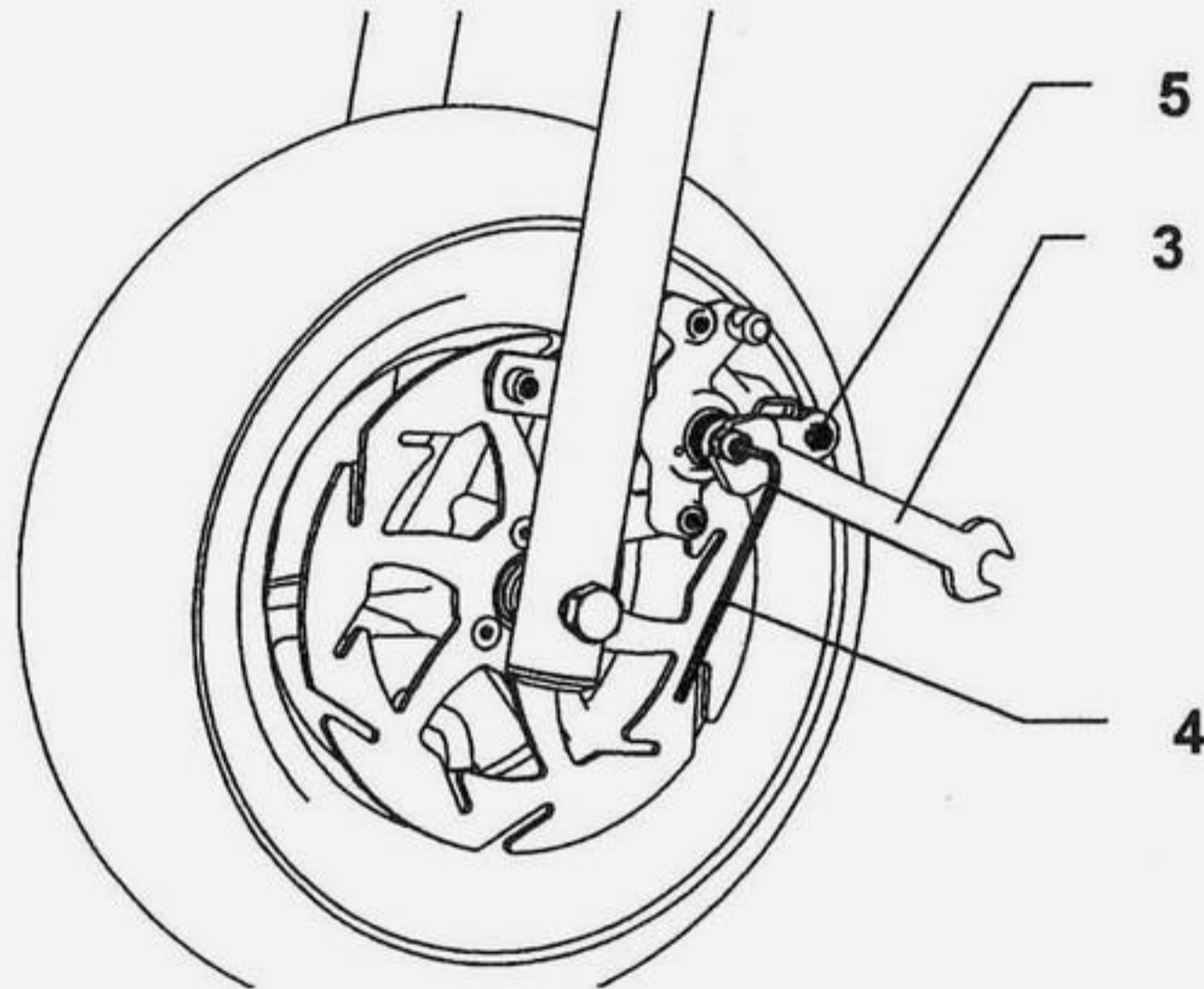
Small incremental brake adjustment

Free play at the handlebar lever is effected by turning the knurled end on the cable adjustor. This will allow the lever to be set at the nominal to ¼ inch of free lever movement.

Basic brake adjusting:

Screw in the knurled cable adjustor at the brake lever so the cable is in it's most slack starting position.. At the caliper, loosen the nut, No. 3 and tighten the adjustable bolt No. 4, so the wheel cannot turn. Back off bolt No. 4 about ¼ to ½ of a turn and fix it with lock nut No. 3. Do not use the cable retainer No. 5 for adjusting the brakes!

FIG. 4



FRONT BRAKE PADS REPLACEMENT - FIG. 7

First screw in the knurled cable adjustor at the right brake lever (122.002.00) on the handlebars to the starting position (slackened cabled). Loosen the nut (332.020.00) and turn the adjustable bolt (916.065.02) in the way that by pressing the front brake lever, the lever (312.017.00) will be over the bolt head M5 (312.018.00), which protects brake pads and spring of pads (312.020.00). Unbolt this bolt and replace the old brake pads with new ones. When mounting the brake pads place the brake spring against both pads, so they are pressed into the front direction. While replacing the brake pads do not loosen bolts M5 (914.001.01) on the driving pins and do not loosen the cable retainer!

REAR BRAKE PADS REPLACEMENT - FIG. 7

First screw in the knurled cable adjustor at the left brake lever (122.001.00) on the handlebars to the starting position (slackended cable). Loosen the nut (332.020.00) and turn the adjustable bolt (916.065.02) all the way out. Unbolt the nut M10 (920.011.01) of the back axel, push it out and dismantle the rear wheel from the Swingarm. Push out the brake from driving pins, that will loosen the brake pads and replace the old ones at this time. While replacing the brake pads do not loosen bolts M5 (914.001.01) on the driving pins and do not loosen the cable retainer! During the mounting follow all these instructions in the reverse direction and then perform basic adjusting of the brakes.

REMOVE AND REPLACE THE FRONT WHEEL - FIG. 5

Before dismantling the front wheel it is necessary to remove the front brake pads from the front brake, so it is possible to move the brake caliper from the wheel and be able to draw out the wheel and tire. Remove the front axel nut. M10 (920.011.01) Draw out the axel from the fork and wheel. Remove the wheel by an easy pull downwards from the forks. Caution, while removing the wheel the left side spacer washer will fall out! During the assembly process put the spacer washer between the brake rotor and brake caliper mount plate and the right side distance spacer between the wheel and right fork (315.011.00). Return the brake pads with the spring and tighten up the axel nut. Perform the basic brake adjusting. Double check your work. This is important!

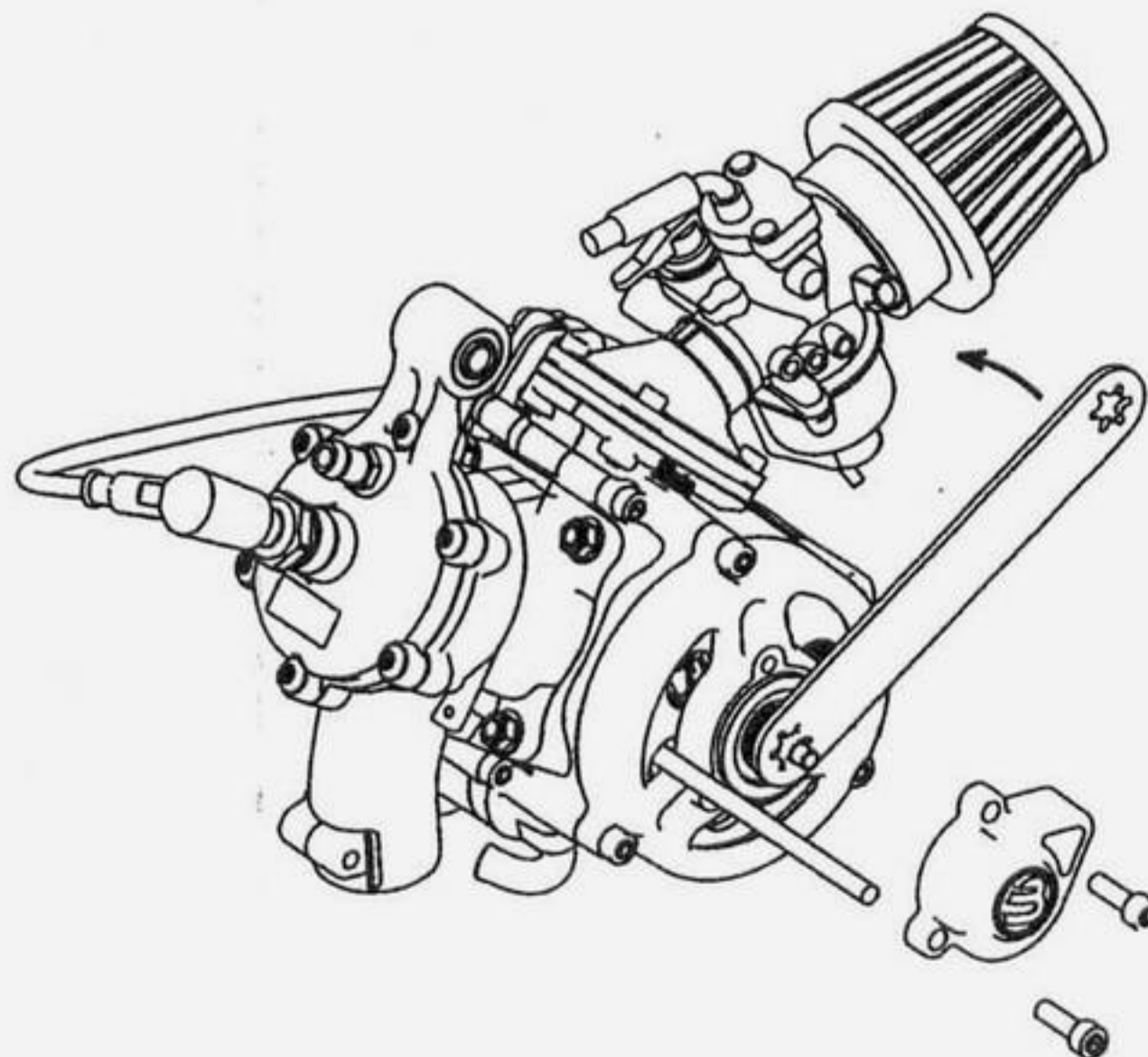
REMOVE AND REPLACE THE REAR WHEEL - FIG. 5

Remove the rear wheel axel nut. Loosen the nut on the rear caliper anchor plate. Remove the two wheel adjustor plate nuts. (M6) Move the wheel forward and remove the chain. Safely (hold) keep the rear wheel from falling out while pulling out the axel. Caution, note the location of both spacer tubes and one spacer washer (between caliper mount plate and rotor) while removing wheel. When refitting the wheel, make sure to slide the brake rotor into the caliper between the pads. Hold the wheel in place and fit the wheel spacers in proper order. Insert the spacer washer between the caliper plate and the brake rotor and on the both sides place the axel spacers at the appropriate time during assembly. Adjust chain tension and tighten axel nut. Tighten the caliper holder plate nut and set and tighten both chain adjustor plate M6 nuts. At this time check the brake operation. Recheck all your work. This is important!

REPLACEMENT OF PINION - FIG. 9

First dismantle the front chain guard and chain guard. Loosen the nut of rear wheel axle and the nut of chain tightener ,remove chain. Insert carefully a larger screw drive or steel rod into the hole of clutch drum, Fig. 9, to avoid a turning over the clutch drum at releasing the pinion. Using the pinion wrench P/ N 319.050.00, release the new pinion to be carried out by reverse way.

FIG. 9



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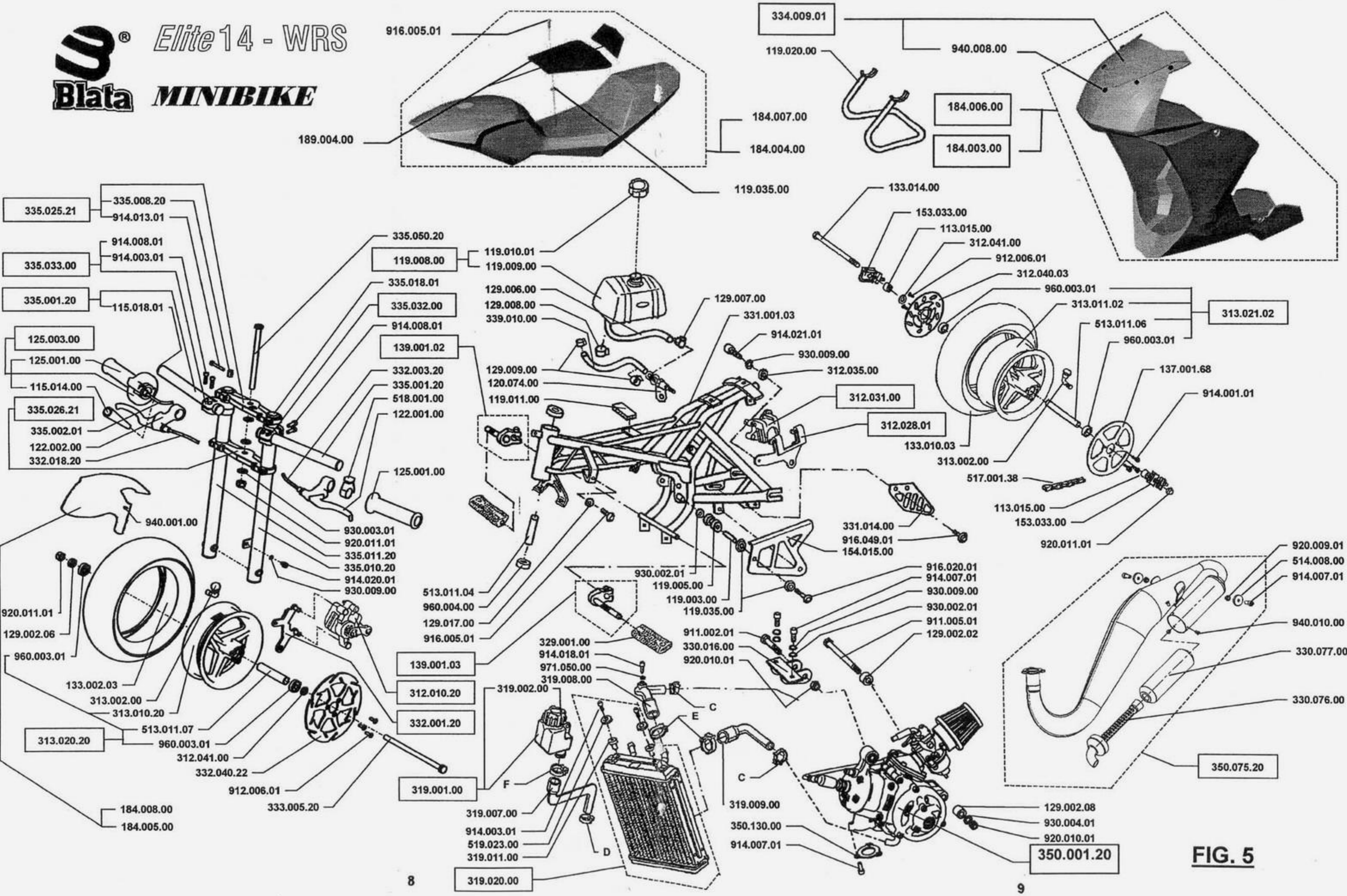


FIG. 5

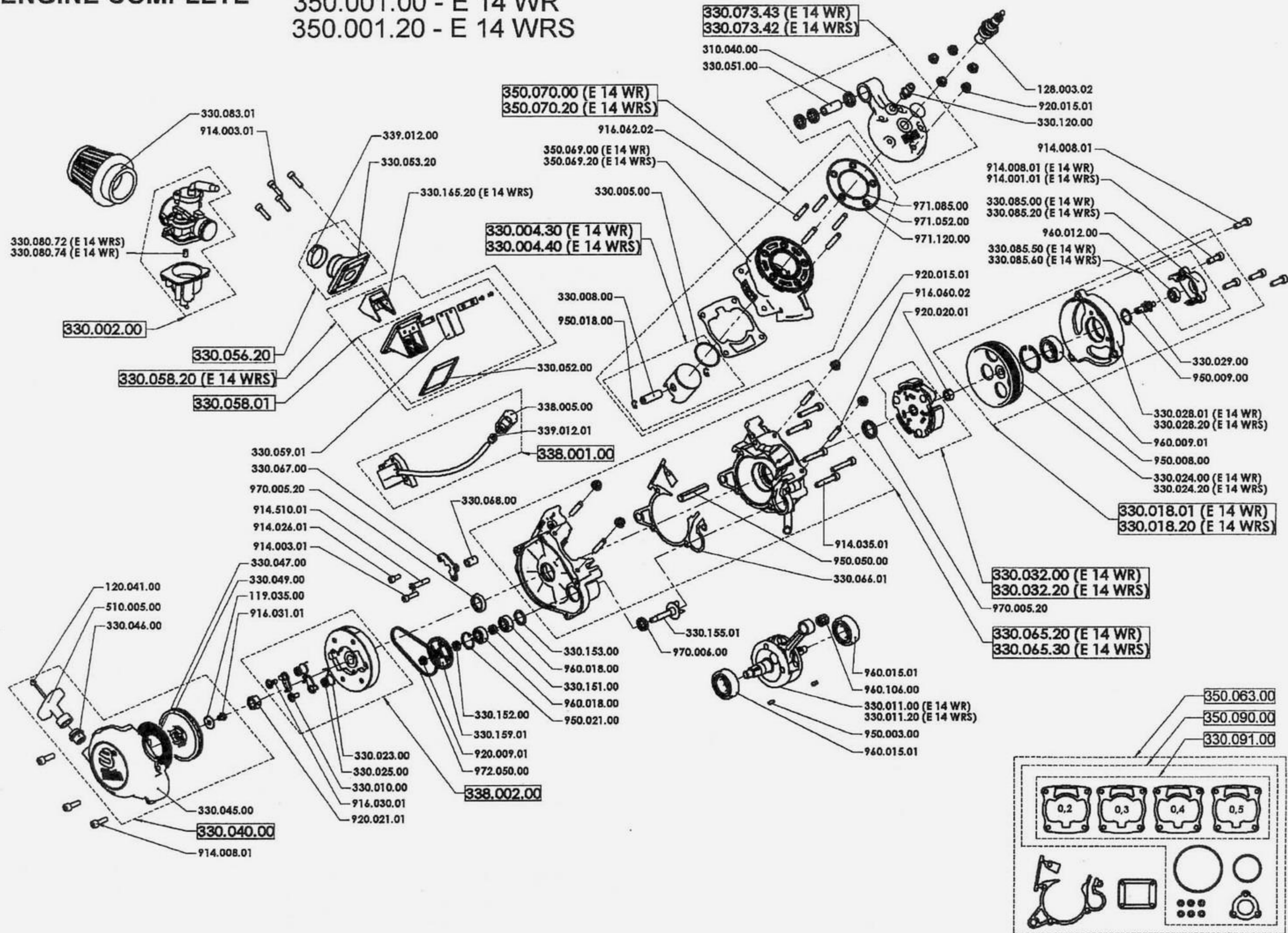
MINIBIKE ELITE 14 WRS

350.000.50	MINIBIKE ELITE 14 WRS	350.070.20	CYLINDER+ PISTON COMPLETE
	ENGINE	350.075.20	EXHAUST COMPLETE KIT
120.041.00	STARTER ROPE	350.090.00	CYLINDER SEALING SET
310.040.00	HEAD HOLDER SILENT BLOCK	350.091.00	CYLINDER GASKET - 4 PCS
330.002.00	CARBURETOR PHVA14	350.130.00	EXHAUST SEALING
330.004.40	PISTON COMPLETE - A KIT 2 R	510.005.00	STARTER ROPE HAND HOLDER
330.004.41	PISTON COMPLETE - B KIT 2 R		FRAME
330.004.42	PISTON COMPLETE - C KIT 2 R	331.001.02	FRAME VARNISHED
330.004.43	PISTON COMPLETE - D KIT 2 R	331.014.00	SPROCKED GUARD
330.005.00	PISTON RING		BRAKES
330.008.00	WRIST PIN	122.001.00	BRAKE LEVER - LEFT
330.010.00	STARTER LEVER - CHOCKE	122.002.00	BRAKE LEVER - RIGHT
330.011.20	CRANK SHAFT - KIT	152.005.20	FRONT BRAKE PADS 160 - PAIR
330.015.00	CLUTCH SUBBASE	312.010.20	BRAKE COMPLETE - 160
330.016.00	CYLINDER HEAD HOLDER SET	312.015.01	BRAKE CASE
330.017.20	CLUTCH SHOE	312.016.00	CABLE RETAINER
330.018.20	CLUTCH CASE	312.017.00	LIFTER LEVER
330.021.00	CLUTCH SPRING 2.5x6.5	312.018.00	MODIFIED SCREW
330.022.00	SPRING PLATE	312.019.00	SPRING -RIGHT
330.023.00	STARTER LEVER SPRING	312.020.00	BRAKE PADS SPRING
330.024.20	CLUTCH BASKET	312.021.00	SPACER L=12
330.025.00	DISTANCE WASHER	312.025.00	REAR BRAKE PADS -PAIR
330.028.20	CLUTCH CASE	312.028.01	BRAKE HOLDER COMPLETE
330.029.00	PINION 6 TEETH	312.029.00	SPRING -LEFT
330.030.20	CLUTCH SHOES COMPL. (3 LEVERS)	312.030.00	BRAKE CASE
330.031.20	CLUTCH SHOE COMPL.	312.031.00	BRAKE COMPLETE
330.032.20	CLUTCH COMPLETE	312.035.00	SPACER 6.1 x 14 x 3
330.039.00	SPACER - PISTON	312.036.00	LIFTER - LEFT
330.040.00	STARTER COMPLETE	312.037.00	LIFTER - RIGHT
330.045.00	STARTER CASE	312.038.00	BRAKE SHAFT
330.046.00	GROMMET	312.040.03	BRAKE DISK 3 x 120
330.047.00	STARTER SPRING	312.041.00	SPACER 10.5 x 18 x 3
330.049.00	STARTER RATCHET WHEEL	332.001.20	FRONT BRAKE HOLDER COMPLETE 160
330.051.00	SILENT BLOCK TUBE	332.003.20	BRAKE CABLE/SLEEVE ASSY
330.052.00	INTAKE GASKET	332.018.20	BRAKE CABLE/SLEEVE ASSY
330.053.20	INTAKE BRANCH KIT PHVA 14	332.020.00	BRAKE NUT
330.056.20	INTAKE BRANCH COMPLETE KIT PHVA 14	332.040.22	BRAKE DISK 3 x 160
330.058.20	DIAPHRAGM WITH INSERT, COMPLETE KIT	512.016.50	CABLE RETAINER
330.059.01	DIAPHRAGM - CARBON (PAIR)	512.019.01	WASHER
330.065.30	ENGINE PROPER KIT		WHEELS
330.066.01	ENGINE PROPER GASKET SET	113.015.00	SPACER L=14.5
330.067.00	COIL (MAGNETO) HOLDER	133.002.03	TIRE 90/65 - 6.5" T4 - SLICK
330.068.00	SPACER	133.010.03	TIRE 110/50 - 6,5" T4 - SLICK
330.073.42	CYLINDER HEAD COMPLETE - WATER	133.014.00	WHEEL AXLE
330.076.00	SILENCER	153.033.00	CHAIN STRETCHER COMPLETE
330.077.00	SILENCER MASS	313.002.00	VALVE 90°- TUBELESS
330.080.72	JET 72	333.005.20	WHEEL AXLE
330.083.01	AIR FILTER MI - 38	313.010.20	RIM/HUB ASSY 2,1"- 6,5"- 99
330.085.20	BEARING CASE	313.011.02	RIM/HUB ASSY 2,3"- 6,5"-130
330.089.00	JETS SET (60 - 90) 14 PCS	313.020.20	WHEEL COMPLETE W/O TIRE 2,1"- 6,5"- 99
330.120.00	HOSE END	313.021.02	WHEEL COMPLETE W/O TIRE 2,3"- 6,5"- 130
330.140.00	CLUTCH LEVER WEIGHT 1,16g (0,040 oz)	513.011.04	AXLE SPACER L= 84.5
330.141.00	CLUTCH LEVER WEIGHT 0,4g (0,014 oz)	513.011.05	AXLE SPACER L= 76.3
330.150.00	WATER PUMP TUBE	513.011.06	AXLE SPACER L= 117.3
330.151.00	SPACER L=5		BODY
330.152.00	SPACER L=4.6	154.015.00	CHAIN GUARD
330.153.00	CLEARANCE WASHER -WATER PUMP	184.001.20	GLASS BODY COMPLETE KIT NON VARNISHED
330.155.01	WATER PUMP SHAFT ASSEMBLY	184.002.20	GLASS BODY COMPLETE KIT VARNISHED
330.159.01	PULLEY - LARGE	184.003.00	FAIRING NON VARNISHED
330.165.20	AIR INTAKE INSERT	184.004.00	SEAT-TAIL ASSEMBLY NON VARNISHED
350.001.20	ENGINE COMPLETE - E 14 WRS	184.005.00	FRONT FENDER KIT NON VARNISHED
350.063.00	ENGINE BLOCK GASKET SET	184.006.00	FAIRING VARNISHED
350.069.20	CYLINDER-A	184.007.00	SEAT-TAIL ASSEMBLY VARNISHED
350.069.21	CYLINDER-B	184.008.00	FRONT FENDER KIT VARNISHED
350.069.22	CYLINDER-C	334.009.00	WINDSHIELD + RIVETS
350.069.23	CYLINDER-D	514.008.00	RUBBER WASHER 6,5 x 23,5 x 4

	<u>STEERING</u>				911.007.01	SCREW M 10 x 140
115.014.00	BOWDEN DUST GUARD				912.006.01	SCREW M 5 x 16
115.018.01	CAP				913.003.01	SCREW M 8 x 35
125.001.00	HAND-GRIPS (PAIR)				914.001.01	SCREW M 5 x 16
125.003.00	THROTTLE TWIST GRIP				914.003.01	SCREW M 5 x 20
335.001.20	HANDLEBAR COMPLETE				914.005.01	SCREW M 5 x 30
335.008.20	NUT				914.007.01	SCREW M 6 x 16
335.010.20	FORK WITH BRAKE HOLDER 28				914.008.01	SCREW M 6 x 20
335.011.20	RIGHT FORK 28				914.010.01	SCREW M 6 x 25
335.002.01	GAS CABLE/SLEEVE ASSY				914.011.01	SCREW M 6 x 30
335.025.21	FORKS HOLDER ABOVE - COMPLETE (w 146)				914.018.01	SCREW M 5 x 10
335.026.21	FORKS HOLDER BELOW -COMPLETE (w 146)				914.020.01	SCREW M 6 x 10
335.032.00	HANDLEBAR HOLDER, LEFT COMPLETE				914.021.01	SCREW M 6 x 12
335.033.00	HANDLEBAR HOLDER, RIGHT COMPLETE				914.022.01	SCREW M 4 x 6
335.050.20	SCREW				914.026.01	SCREW M 5 x 12
					914.035.01	SCREW M 6 x 35
	<u>TRANSMISSION</u>				914.051.01	SCREW M 5 x 40
137.001.68	SPROCKET 68 TEETH				914.510.01	SCREW M 6 x 30 FLAT HEAD
517.001.38	CHAIN 138 LINKS				916.005.01	SCREW M 6 x 16
	<u>ELECTRIC COMPONENTS</u>				916.007.02	SCREW M 5 x 12 ALLEN
128.003.02	SPARK PLUG NGK B 9 EGV				916.015.01	SCREW M 6 x 25
338.001.00	IGNITION COMPLETE				916.020.01	SCREW M 6 x 40
338.002.00	ROTOR COMPLETE				916.030.01	SCREW M 5 x 12
338.005.00	SPARK PLUG CAP				916.031.01	SCREW M 6 x 8
518.001.00	KILL SWITCH				916.049.01	SCREW M 5 x 6
	<u>OTHER PARTS</u>				916.050.01	SCREW M 5 x 8
119.003.00	SPACER L=25.8				916.060.02	SCREW M 6 x 30 ALLEN
119.005.00	CHAIN ROLLER				916.062.02	SCREW M 6 x 35 ALLEN
119.008.00	GAS TANK WITH CAP				916.065.02	SCREW M 5 x 25 ALLEN
119.009.00	GAS TANK W/O CAP				920.008.01	NUT M 5 SELF-LOCKING
119.010.01	GAS TANK CAP				920.009.01	NUT M 6 SELF-LOCKING
119.011.00	RUBBER FRAME PAD				920.010.01	NUT M 8 SELF-LOCKING
119.020.00	STAND				920.011.01	NUT M 10 SELF-LOCKING
119.035.00	WASHER 6.4 x 18 x 1				920.015.01	NUT M 6 WITH COLLAR
129.002.02	SPACER L=12				920.020.01	NUT M 8 x 1
129.002.08	SPACER L=19				920.021.01	NUT M 10 x 1
129.004.00	RUBBER SEAT				930.001.01	WASHER 5,4
129.006.00	FUEL HOSE				930.002.01	WASHER 6,4
129.007.00	HOSE CLAMP 11/7 K				930.003.01	WASHER 10,5
129.008.00	HOSE CLAMP 12/8 J				930.004.01	WASHER 8,4
129.009.00	HOSE CLAMP 10/7 H				930.009.00	SPRING WASHER 6,4
129.017.00	WASHER 6.4 x 16 x 1				930.014.00	SPRING WASHER 5,4
139.001.02	ADJUSTABLE FOOT REST -RIGHT				930.020.01	WASHER 6,1
139.001.03	ADJUSTABLE FOOT REST -LEFT				940.001.00	RIVET 4 x 8 AL
139.010.01	ADJUSTABLE FOOT RESTS -PAIR				940.010.00	RIVET 4 x 8 STEEL
189.002.00	DECAL SET ELITE14 BRT				940.008.00	RIVET BULBEX 4.2 x 18.8 WITH CAP
189.004.00	SADDLE RUBER, COMPLETE				940.006.00	CYLINDER 6x6
319.001.00	COOLANT RESERVOIR WITH CAP				950.003.00	WOODRUFF KEY 3e7 x 3,8
319.002.00	COOLANT RESERVOIR CAP				950.008.00	SAFETY LOCK 35
319.007.00	COOLANT RESERVOIR HOSE				950.009.00	SAFETY LOCK 17
319.008.00	HOSE WITH BLEED VALVE				950.018.00	SAFETY LOCK 10 x 1
319.009.00	WATER PUMP HOSE				950.021.00	SAFETY LOCK 22
319.011.00	RADIATOR SILENT BLOCK				950.025.00	SAFETY LOCK 6
319.012.02	HOSE CLAMP 16/8 C				950.050.00	SPRING PIN 10 x 50
319.012.03	HOSE CLAMP 17/8 D				960.003.01	BALL BEARING 6000 - VVCM NS 7S
319.012.04	HOSE CLAMP 21/8 E				960.004.00	BALL BEARING 6200 - 2 ZR
319.012.05	HOSE CLAMP 24/8 F				960.009.01	BALL BEARING 6003 - 2 ZR
319.020.00	RADIATOR COMPLETE				960.012.00	BALL BEARING 626
319.025.00	HOSES SET + CLAMPS				960.015.01	BALL BEARING 6203 TN 9 C3
329.001.00	FOOT PEGS PLASTIC -PAIR				960.018.00	BALL BEARING 627 ZR
339.010.00	FUEL HOSE				960.106.00	NEEDLE BEARING 10 x 14 x 12,8
339.012.00	HOSE CLAMP 28/8 L				970.005.20	SEAL 17 x 25 x 4
339.012.01	HOSE CLAMP 8/7 M				970.006.00	SEAL 10 x 18 x 4
519.023.00	WASHER 5.4 x 16 x 1				971.050.00	O - RING 5 x 1,8
519.024.00	WASHER 6.4 x 18 x 1.5				971.052.00	O - RING 6 x 2
	<u>OTHER HARDWARE</u>				971.085.00	O - RING 42 x 2
911.002.01	SCREW M 8 x 45				971.120.00	O - RING 76 x 2
911.005.01	SCREW M 8 x 110				972.050.00	COGGED BELT -WATER PUMP

ENGINE COMPLETE

350.001.00 - E 14 WR
350.001.20 - E 14 WRS



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FIG. 10

FIG. 6

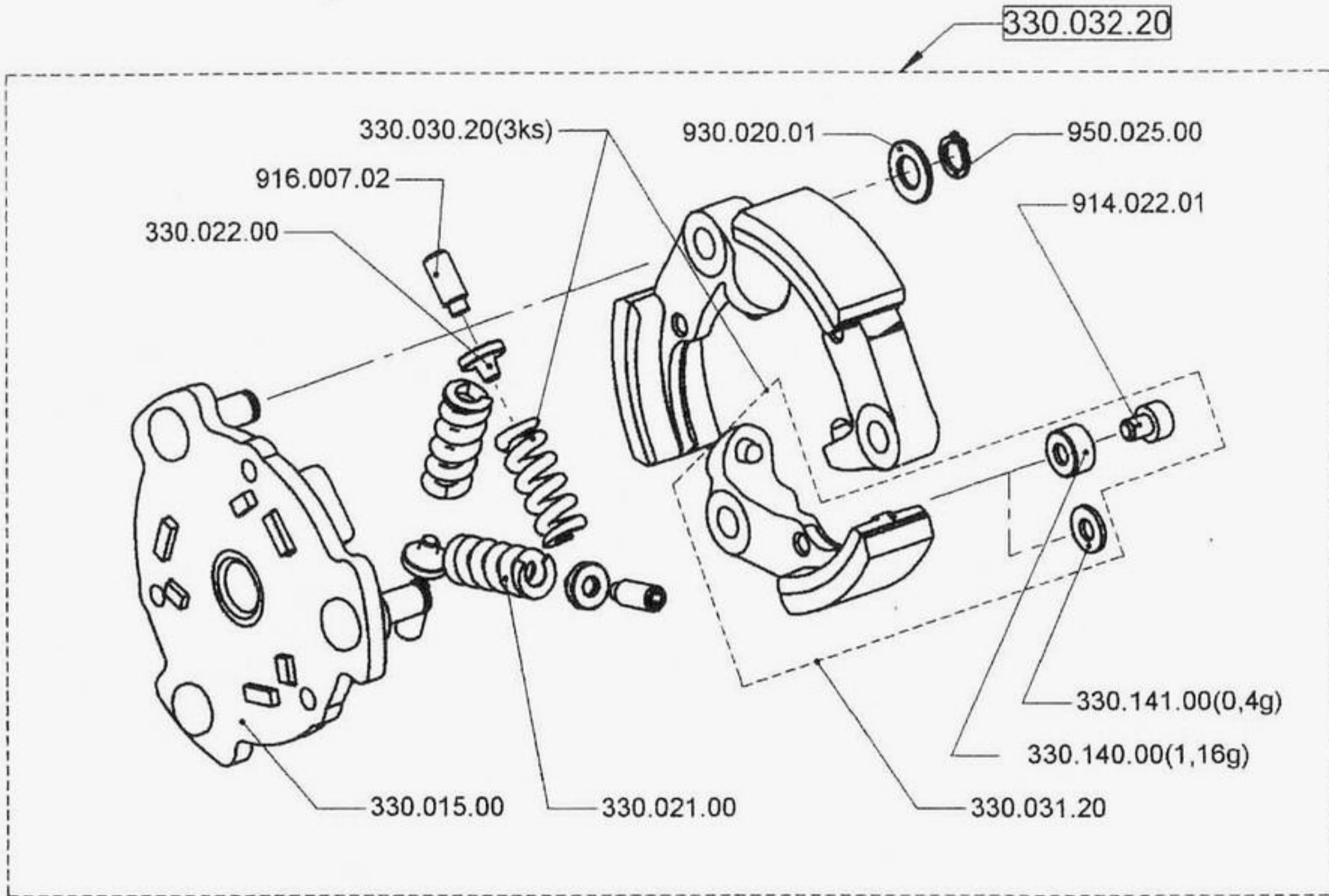


FIG. 16

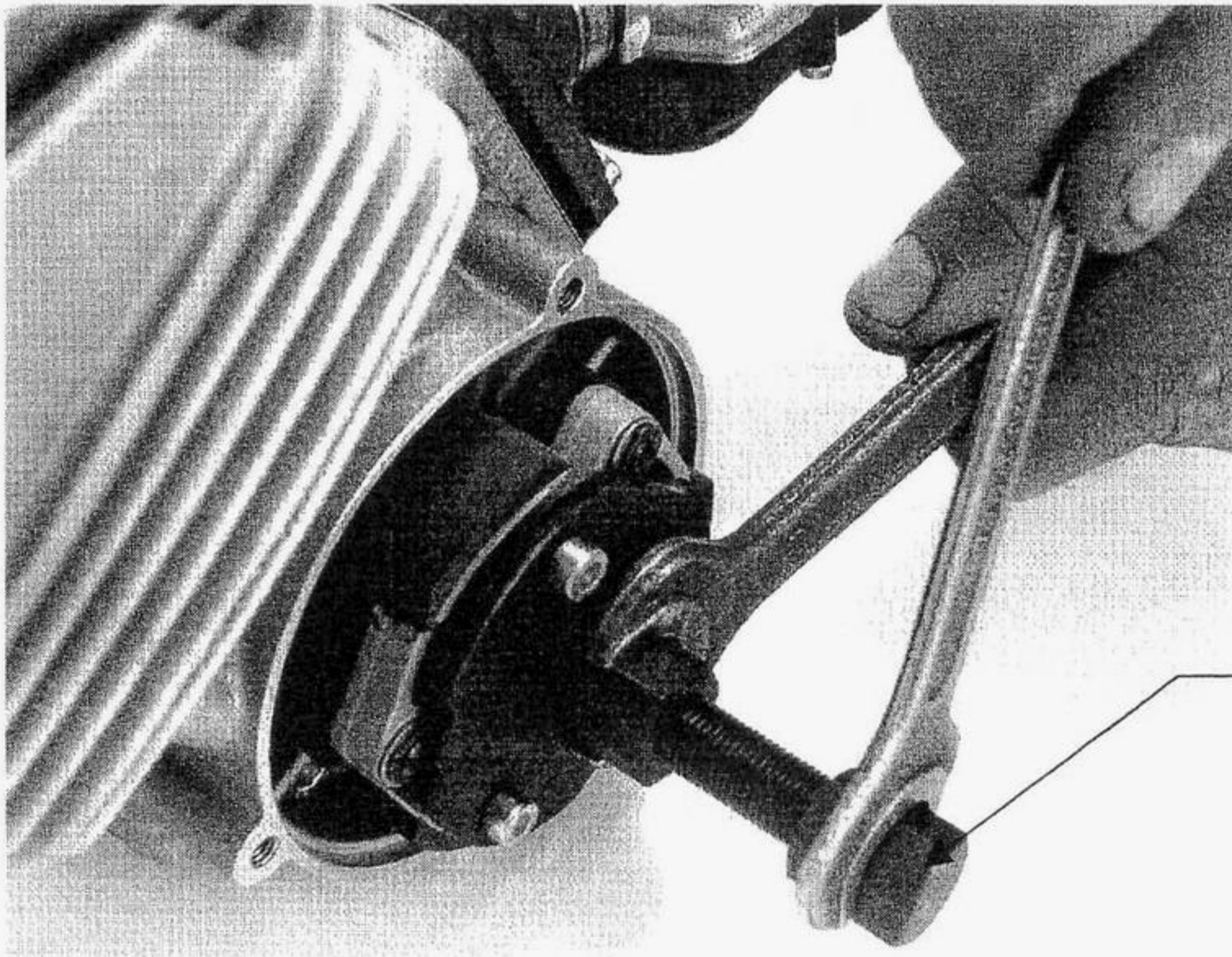
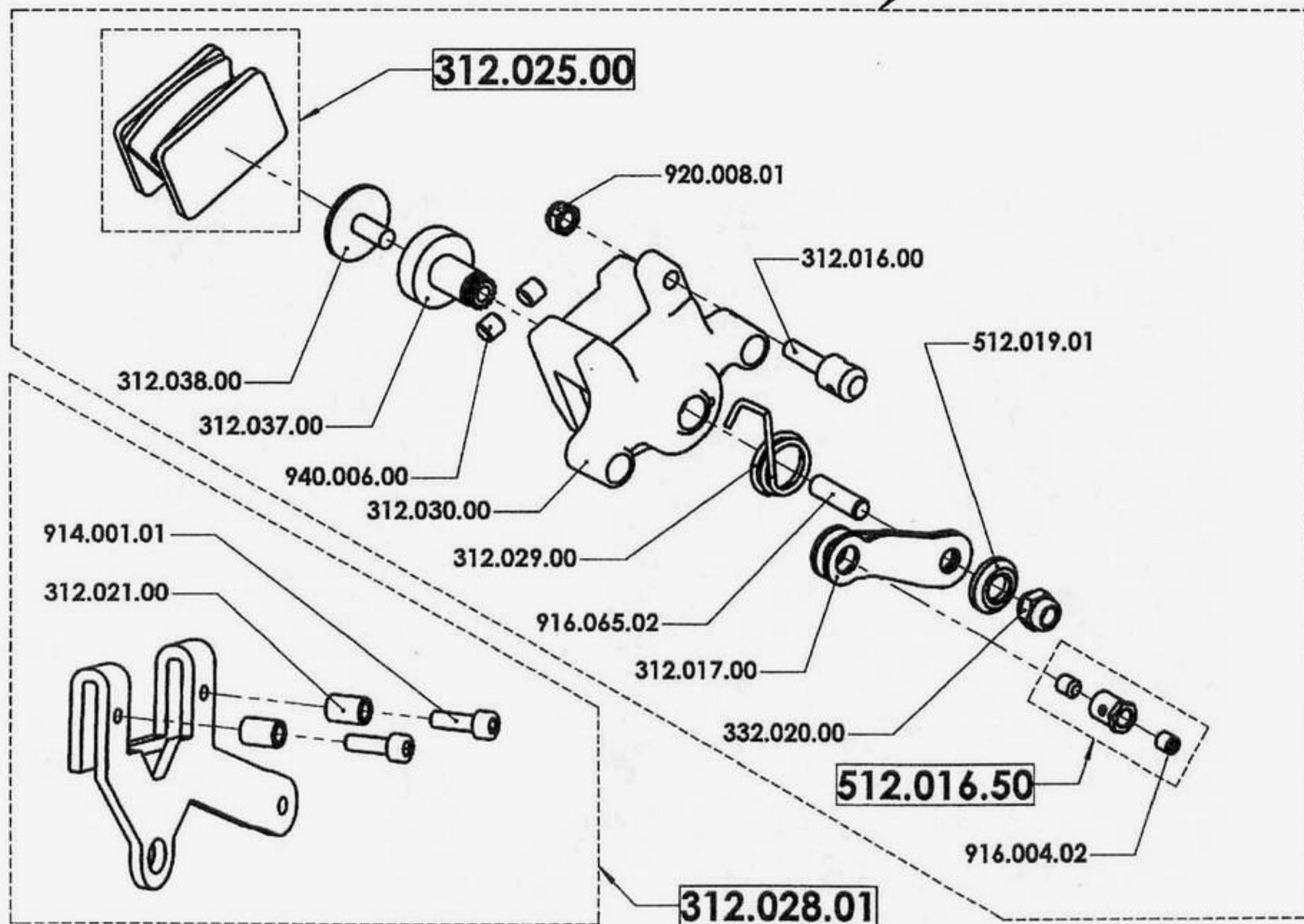
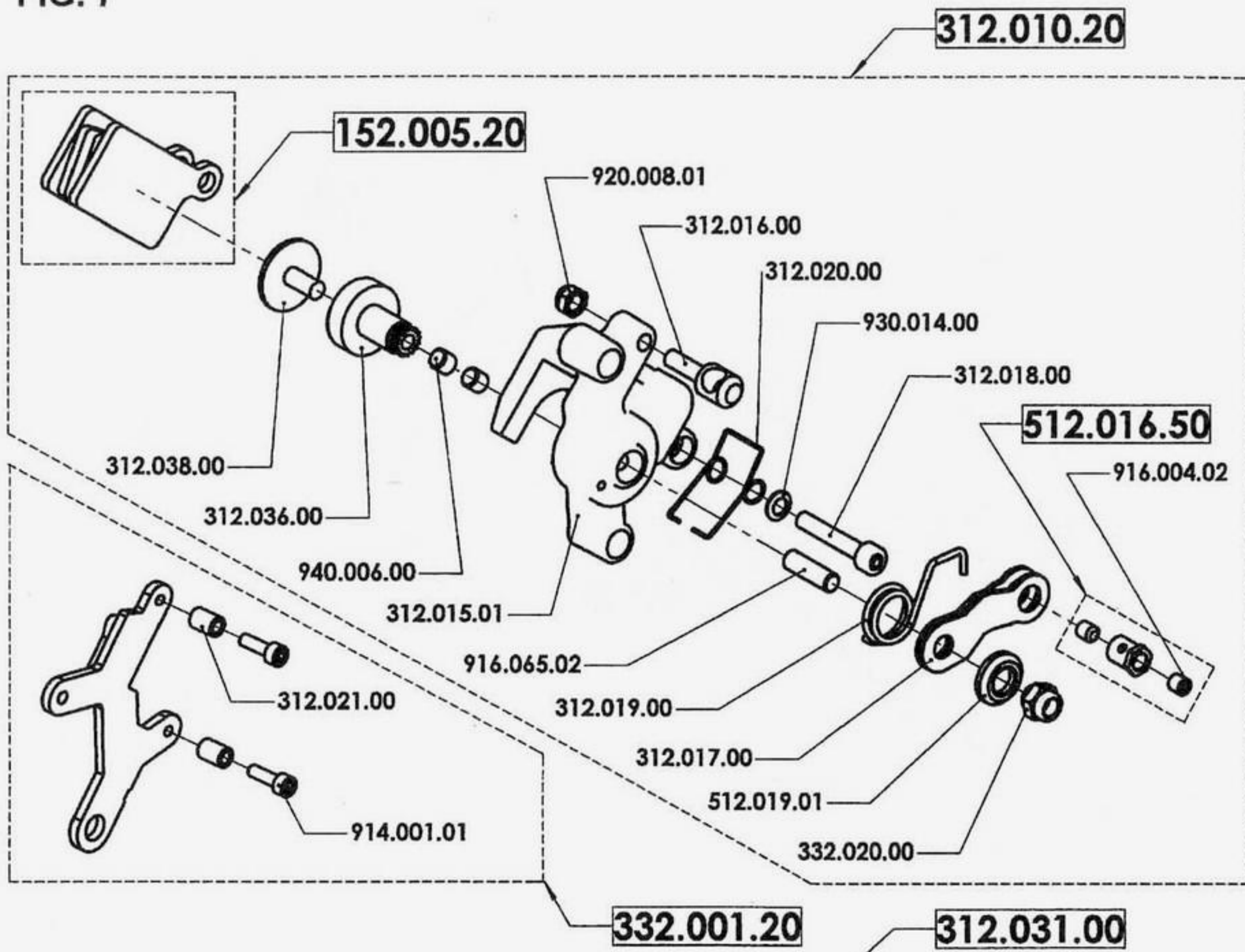


FIG. 7



REPLACEMENT OF TIRE – FIG. 5

Remove the wheel from the minibike. For the front wheel unbolt the brake disk and for the rear wheel, the brake disk and sprocket. Deflate the tire, by removing the valve stem. Place the wheel on a hard surface and press the tire bead from the wheel rim in to the middle relief at centre of rim. Tire is ready to be removed from the rim at this time and is done in the conventional manner. After fitting new Tire and Tube (if necessary) to the rim, you can inflate 28 to 30 psi. Take care to check that the tire bead is fully seated in the rim bead edge. You can now refit the wheel to the bike in reverse order to removing it. Use Caution and recheck your work always.

DISMANTLING AND MOUNTING OF AIR FILTER - FIG. 3

Remove the bolt from the sleeve, which connects the rubber holder of the air filter to the carburetor. When the air filter is loosened, take it out and very carefully wash it in air drying solvent, lubricate it when dry and spray with air filter oil and reassemble, following the steps in the reverse order.

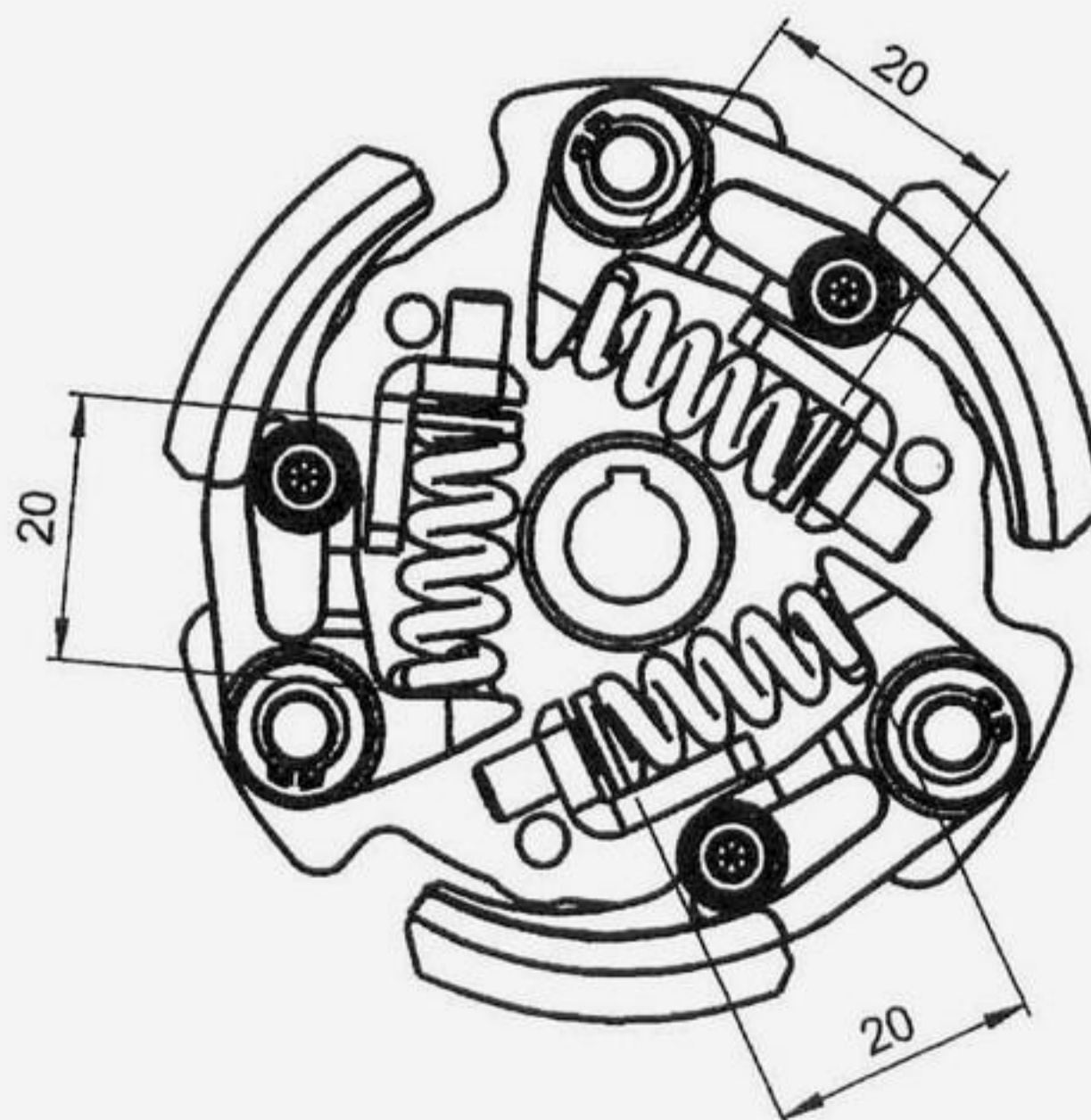
CLUTCH ADJUSTMENT – FIG. 8

After first hour of use, check the state of the clutch pads. Review the clutch adjustment – engaged with 8 400 – 8 700 rpm.

Basic adjusting:

After every clutch slipper shoe replacement it is necessary to adjust the clutch springs. To increase the revolutions, and feel the clutch working, tighten up the adjusting bolts and to engage shoes at lower revolutions, loosen the bolt. It is important to adjust all the springs to the same level, so the clutch lining wearing is even. The index for adjusting is the length of the spring, which should be 20,00 mm (0,78"). The length is measured from the bearing surface of the clutch shoe to the spring plate.

FIG. 8



MAINTENANCE OF COOLING SYSTEM

1. Liquid filling:

Place the minibike on the stand. Dismantle the seat and very carefully check all the joints on the hose. For older minibikes do not forget to check for holes and other damages to the hose. To fill the cooling system, 0.5 liters of the coolant is needed. In case the minibike will be used during the wintertime, do not forget to use the anti-freeze coolant. Pour the coolant into the balance tank, which is placed between the handlebars, until it is filled to $\frac{3}{4}$ of capacity. Unbolt the vent bolt M5 (914.018.01), which is placed on the hose (319.008.00) between the cylinder head and cooler. Tighten the bolt only after all air has been bled and only coolant is coming out of the vent plug hole. Always hold the hose in order not to pull out the air escape valve. It is important to have more than $\frac{1}{2}$ capacity of the coolant in the balance tank. Close the tank and pull the start T'handle two or three times. This will circulate the coolant in the system. Once more vent the system while loosening the air bleed screw. Only now it is possible to start the minibike, and leave it to run on the stand for one minute. Turn off the motor, and vent it again. Then the minibike is ready for use.

2. Check up of cooling system:

Before every ride check the amount of coolant in the balance tank! After every 10 hours of riding, remove the pull starter cover and check the Gilmer type belt, which runs the coolant pump.

Important notice: If the coolant level rises in the balance tank switch off the engine immediately! Check the drive of the coolant pump and sealing of the cooling system. After these steps vent the air bleed screw. The raised level of coolant is an indicator of a warmed up engine, which can result in seizing of the piston in the cylinder.

3. Draining the Coolant:

Dismantle the hose on the bottom of the cooling system and eliminate the liquid. Unbolt the drain plug in the balance tank.

TORQUE SETTINGS

(1 FT-LB = 1.3558 Nm)

PART NAME	QTY	TORQUE SETTING (FT-LB)	SECURED BY
ENGINE			
Cylinder head, liquid cooled – M6	6	14	
Cylinder – nuts M6	4	13	
Intake manifold – M5	4	7	
Starter cover – M6	3	15	
Ratchet wheel –bolt M6	1	13	Loctite 243
Magneto (rotor) – nut M10	1	34	
Starter prows – bolts M5	2	7.5	Loctite 243
Ignition coil – bolts	2	7.5	
Ignition coil holder – bolt M6	1	11	
Crankcase halves – M6	5	21	
Clutch base – nut M8	1	30	Loctite 243
Clutch case – bolts M6	3	14	
Pinion bearing case – bolts M6	2	14	
Reeds - bolts M3	4	1	Loctite 243
Float chamber – bolts M4	2	3	
Slider cover (carburetor) – bolts M4	2	3	
Fuel filter cap – bolt M5	1	3.5	
Pinion - M8	1	30	Loctite 243
FRAME			
Front wheel axle - nut M10	1	47.5	Self - locking
Front brake rotor – M5	3	20.5	
Front brake bracket – M6	2	17	Loctite 243
Brake mount –M5	2	13	Loctite 243
Steering shaft – M10	1	27	Self - locking
Handlebar clip-on –M8	2	25	
Fork brackets – M5	4	12	
Steering stem – M6	2	24.5	
Engine bracket, top –M6	2	20.5	
Engine bracket, head – M8	1	25	Self - locking
Engine bracket, bottom – M8	1	30	Self - locking
Rear wheel axle – nut M10	1	47.5	Self - locking
Rear brake rotor – M5	3	20.5	
Sprocket – M5	3	20.5	
Foot rests – M8	2	27	Self - locking
Chain guard –M6	1	21	
Sprocket guard – M5	1	14	
Rear brake holder –M5	2	13	Loctite 243
Expansion chamber – M6	2	7	Self - locking
Fairing, seat and rear fender – M6	9	8	
Rear caliper anchor plate –M6	1	17	
Handlebar clips – M6	2	11	
Brake levers clips – M5	2	5	
Throttle clip (handlebar) – M5	2	7	
Throttle plastic cover – M4	2	3	

NON USE AND STORAGE PROCEDURE

It is recommended to drain out all fuel from the tank and carburetor. Inflate the tires to the working pressure and put the minibike on the stand. During a long storage period*, unbolt the spark plug and insert a couple of drops of the motor oil into the cylinder. Pull the starting rope a couple of times so a film of oil covers and evenly coats the cylinder walls and piston rings.

* Long period is 90 days and longer.

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It is a great honor for us, that you have chosen our product. We believe that the MINIBIKE will work for you without problems and will bring you much pleasure and fun.

The producer of the MINIBIKE is BLATA Company.

Manufacturing Number CZ

Signature of the technical control:

This manual served also as a guarantee list. Please, after receiving the product check the manufacturing number and the date of sale. In the case of a claim it is necessary to submit this guarantee list.

Date, stamp and signature of the dealer: