



WORKSHOP MANUAL

JAWA MOPED MODEL 210

One Speed
Two Speed



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I. TECHNICAL SPECIFICATIONS

Engine type	air cooled, two-stroke single cylinder
Displacement	49 cc
Cylinder bore x piston stroke	39 x 41 mm (1.535" x 1.614")
Engine power output	.9, 1.5, 2.0 HP
Clutches	automatic, dry, centrifugal
Gearbox	two-speed
Engine to rear wheel	1st-speed overall ratio -1: 24.4231
	2nd-speed overall ratio -1: 13.7305
Primary transmission	indented belt
Secondary transmission	link chain
Pedal drive transmission ratio	1:0.692
Pedal-actuated starting gear	overall ratio 1:0.0504
Front suspension	telescopic fork 60 mm stroke (2.3")
Rear suspension	telescopic suspension units 60 mm stroke
Brakes	internal expanding shoe - brakes controlled by levers on handle- bars
Brake dimensions	85 x 20 mm (3.346 x 0.787)
Tires	2-1/4 x 16"
Tire inflation pressures	
-front tire	196 kPa-28 P.S.I.
-rear tire	245 kPa-35 P.S.I.
Moped dry weight	51 kg (112 lbs.)
Moped running weight	54 kg (118.8 lbs.)
Road speed - maximum	20, 25, 30 MPH
Fuel tank filling capacity	1.05 US gal
Fuel reserve	0.7 litres (.74 qt.)
Maximum climbable gradient with rider weighing 75 kg (165 lb.)	25%
Noise	70 decibels
Ignition system	6-volt, contactless with semi- conductor elements
Spark plug	PAL N 7R, Champion L-89CM
Headlamp	6 V/21W
Tail lamp	6 V/5W, 6V/10W
Speedometer	6 V/2W
Load capacity, maximum	200 lbs.

NOTE: When exceeding the load capacity, it is necessary to decrease the maximum speed proportionally.

TORQUE SPECIFICATIONS

Engine

<u>Tightening point</u>	<u>Thread dimension</u>	<u>Torque Nm</u>	<u>Torque FT/lbs.</u>
Crankcase covers	6 mm	8	6
Cylinder head	6 mm	7	5
Starting clutch	10 mm	25	18
2nd-speed clutch drum	10 mm	20	15

Frame

Steering head nut	12 mm	40	29
Handlebars	6 mm	10	7
Front wheel axle	12 mm	50	36
Rear wheel axle	12 mm	50	36
Engine fastening screws	8 mm	30	21
Saddle	8 mm	30	21
Pedals	14 mm	65	47
Pedals crank	6 mm	10	7
Rear chain wheel	6 mm	19	14

LOCATION OF MOPED IDENTIFICATION NUMBER

- a. on steering column
- b. on bottom right-hand side of engine

IGNITION TIMING

1 to 1.5 mm B.T.D.C.

FUEL - GAS/OIL MIXING RATIO

25:1 during break in period (300 miles)
 33:1 after break in period

WHEN ORDERING SPARE PARTS, INDICATE THE YEAR OF MANUFACTURE AND ENGINE NUMBER

II. GENERAL TECHNICAL DATA

1. Special Tools - Fig. 1

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Purpose</u>
1	3T 210-10 000-14.5	Crankcase splitter	Engine dismantling
2	928-1000-1.5	Clutch drum holder	Clutch drum loosening
3	50-1200-1.1	Wrist pin puller	Wrist pin removal and reinstallation
4	4T 210-2100	Washer	Starting clutch removal and reinstallation
5	4T 210-2200-01	Clutch drum puller	Clutch drum removal
6	975-1400.1.1	Timing gauge	Timing adjustment
7	4T 928-1200-01.03	GUFERO seal protector	Protection of GUFERO seal ring during installation
8	928-6000-1.1	Alternator rotor	Rotor puller
9	MN 1100-7.1	Hook	Installation of starting clutch springs
10	4T 928-1200-01.4 4T 928-1200-01.5	Pilot pin - A Pilot pin - B	Piston removal and reinstallation
11	4MT 28-1000-1.2	Piston ring compressing sleeve	For compressing piston rings on installation

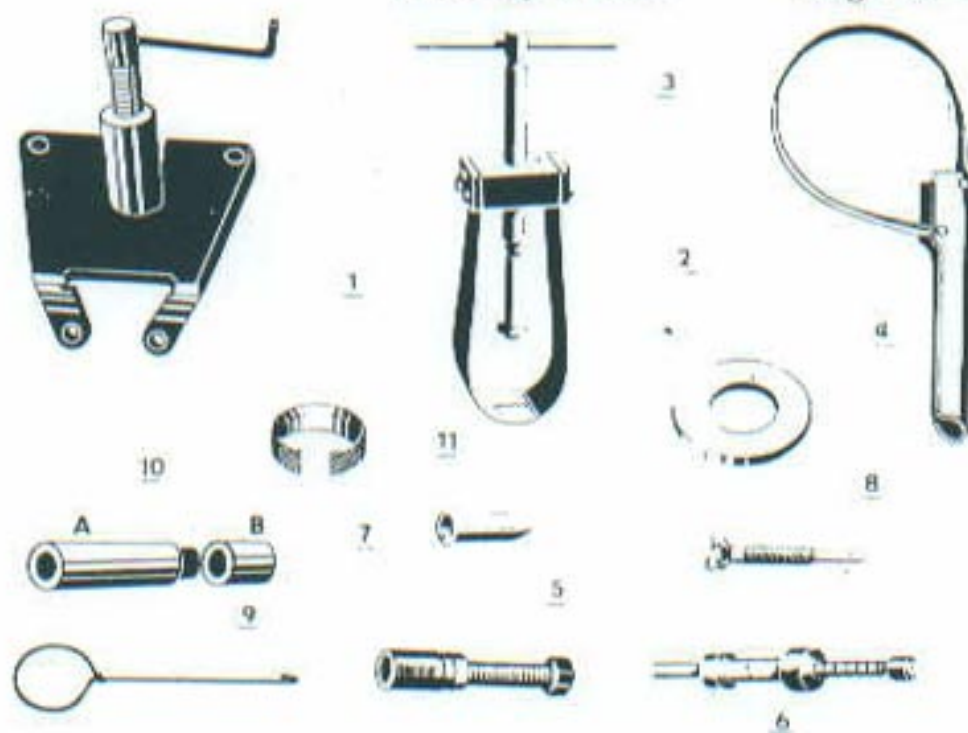


FIG. 1

2. Moped Lubrication Chart - Fig. 2

Ref. No.	Lubrication Point	Lubricant	Note
1	Engine	Two-stroke engine oil - SAE 30	Permanent lubrication with gas mixed with oil ratio 33:1, (25:1 during break-in)
2	Gearbox	Gear oil - SAE 30	One speed filling - 225cc (7.5 fl. oz.) Two speed filling - 75cc (2.5 fl. oz.)
3	Steering	Bearing grease	Wash dismantled parts and lubricate
4	Twistgrip	Lubricating grease	After washing, apply grease to sliding parts
5	Brake levers	Oil SAE 30	
6	Bowden cables	Light oil	Fill into bowden casings
7	Wheel bearings	Bearing grease	Top up bearings
8	Brake cam pins, brake cams, brake-shoe pivots	Lubricating grease	After cleaning coat with light grease
9	Chains, sprocket	Graphite oil	Lubricate after cleaning
10	Pedal shaft	Oil SAE 30	
11	Pedal shaft bearings	Oil SAE 30	
12	Front fork telescopic	Oil SAE 30	
13	Coaster pinion	Oil SAE 30	
14	Speedometer drive cable	Light graphite oil	Fill into bowden tubing

*To ensure safe function of the freewheel at very low temperatures, it is recommended to use the SAE 10 oil.

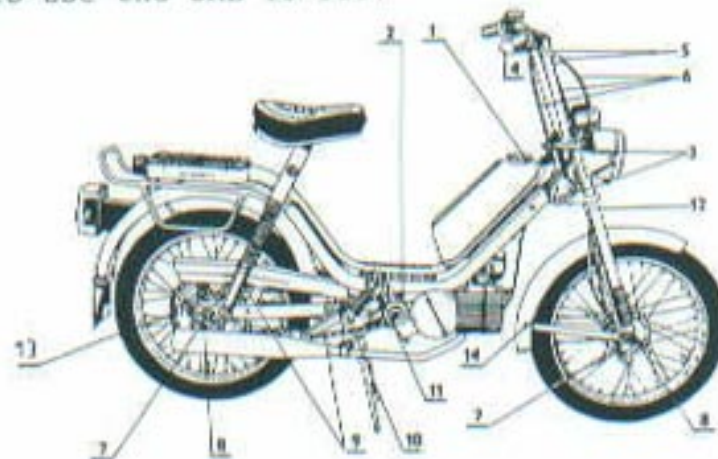
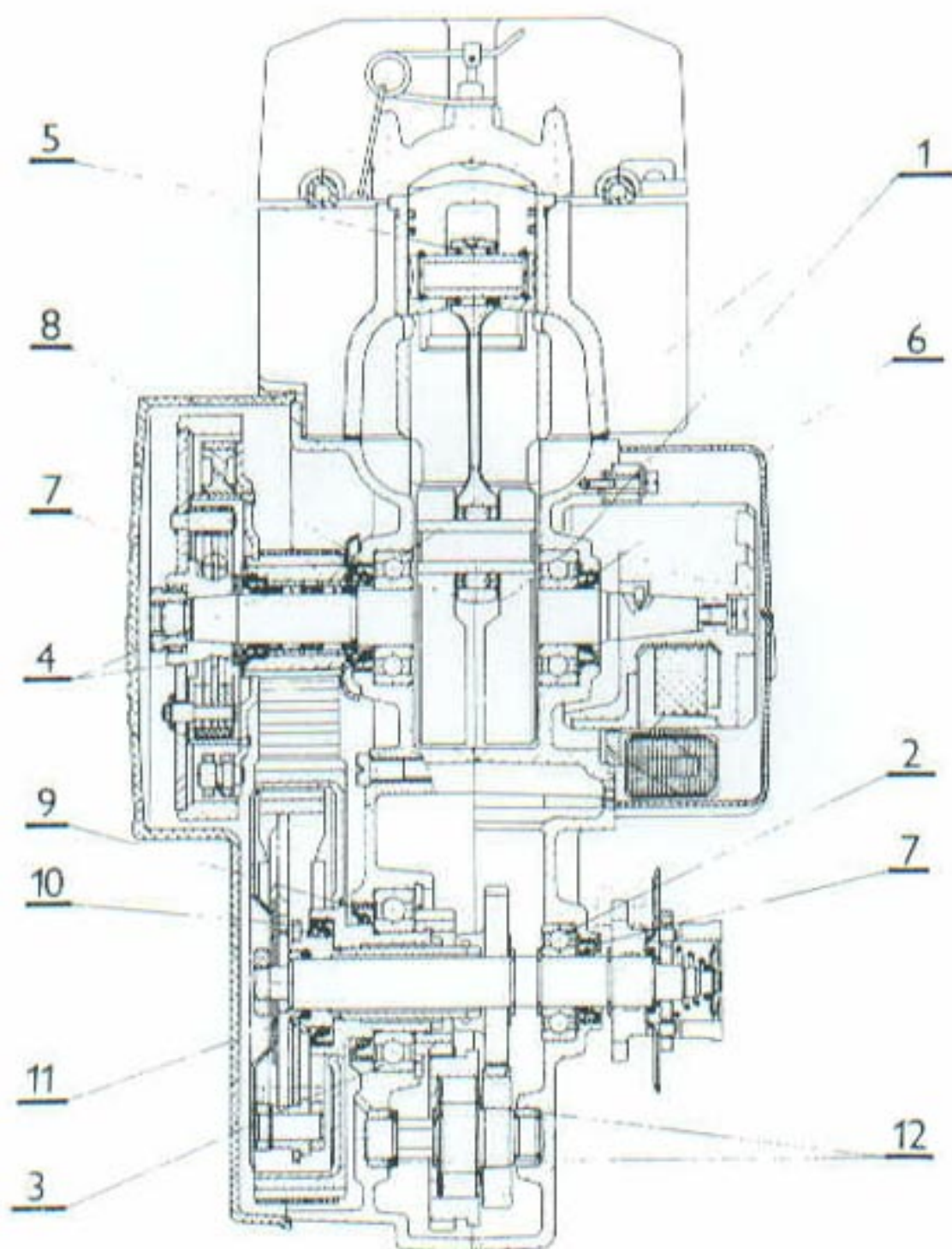


FIG. 2



JAWA TWO-SPEED

FIG. 3

3. List of Bearings, Seal Rings, and Bushings - Fig. 3

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Dimensions mm</u>	<u>Pcs.</u>
Engine bearings-2/S				
1	324 162 030 003	Bearing No. 6203/C3	17x40x12	2
2	324 162 020 003	Bearing No. 6202/C3	15x35x11	1
3	324 165 060 003	Bearing No. 6006/C3	30x55x13	1
4	324 592 523 140	Needle bearing	K 15x19x13 INA	2
5	324 931 020 853	Needle bearing	K3K 14x18x13	1
Wheel bearings				
	324 165 010 000	Bearing No. 6001	12x28x8	4
	324 912 050 052	Steering Recirculating ball, 5	Dia. 5	42
Seal rings in engine				
6	273 521 003 517	GUFERO shaft seal ring	17x28x7	1
7	273 521 002 617	GUFERO shaft seal ring	15x24x7	2
8	273 521 005 317	GUFERO shaft seal ring	22x32x7	1
9	273 521 009 517	GUFERO shaft seal ring	35x47x7	1
10	273 521 007 617	GUFERO shaft seal ring	28x38x7	1
11	273 111 010 104	Seal ring	Dia. 19x15	2
	273 111 010 024	Seal ring	Dia. 9x5	1
12	451 9 224 11 018	Crankcase bushing, right-hand and left-hand	Dia. 12x18x8	2

4. Engine torque transmission - diagram and description - Fig. 4

Automatic Transmission

The diagram of the two-speed automatic transmission is shown in Fig. 4.

The torque is transmitted from the crankshaft (1) to the gears (2-2) over the starting clutch (3) by an indented belt.

1st-speed gearing:

It is formed by two pairs of gears (3,4,5 and 6) meshing with the freewheel (D) between the gears (4) and (5) on the layshaft. From the gear (6). The torque is transmitted over a force closed mechanism to the output shaft (7) and rear wheel by means of the secondary transmission chain.

2nd-speed gearing:

Parts (3), (6) and (7) are coupled with the clutch (C) so that they run at the same speed. The running of the layshaft gears 4 and 5 at different speeds is enabled by the freewheel (D). The gear change is effected by the automatic centrifugal clutch (C) provided with two shoes of the leading type. The operation of this clutch is controlled by force closing between the parts (2), (6) and (7).

From the output shaft (7), the torque is transmitted to the rear wheel by means of secondary transmission.

The force-closed clutch engages the respective gear depending on the road speed, the drive from the automatic transmission, the acceleration and deceleration, and the rolling resistances of the vehicle on the road.

The output shaft (7) with the gear-change mechanism runs on two ball bearings. The layshaft is supported by two bronze bushings.

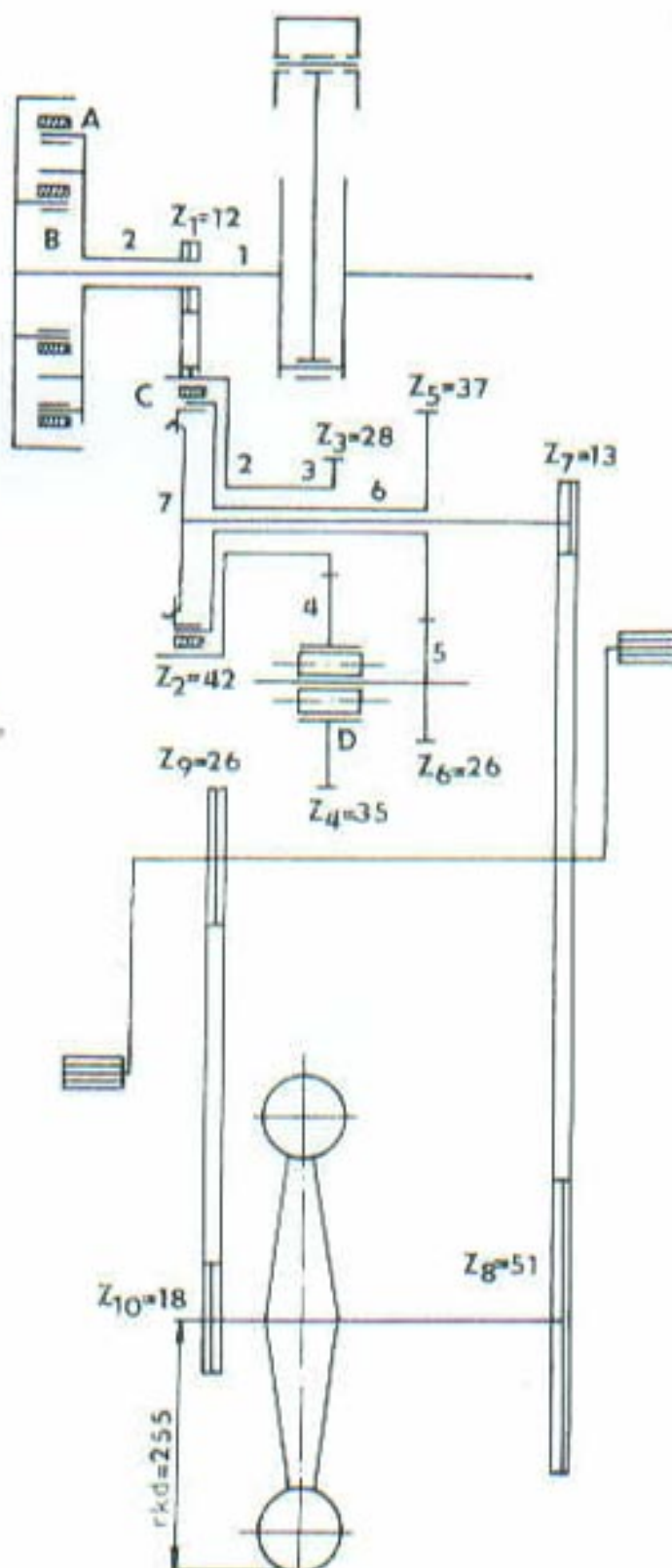


FIG. 4

III. ENGINE

A. Removing engine from frame - Fig. 5-16

1. Remove the engine cowlings.
2. Detach the spark plug cable, fuel hose, and throttle cable.
3. Disconnect the leads of the electrical equipment.
4. Disconnect the chain of the secondary transmission.
5. Disconnect the exhaust pipe from the cylinder.
6. Remove screws fastening the engine to the frame, and pull off the engine.

Clean the surfaces of the engine, and drain the oil from the automatic transmission case. During engine dismantling, immediately clean all the parts and put them aside in the order of their removal so that they can be reassembled correctly in the shortest possible time.

B. Removing cylinder head, cylinder and piston

1. Unscrew the four M6 nuts and lift them off the studs together with the washers.
2. Remove the cylinder head.
3. Remove the cylinder (Fig. 5)
4. Remove circlips securing the wrist pin and use the puller No. 50-12000-1.1 (Fig. 6) to drive out the wrist pin.

The maximum permissible gap of a piston ring is from 0.6 to 0.8 mm (.0236 - .0314)

C. Grading of cylinders and pistons.

CYLINDER CLASSIFICATION TABLE

Cylinder Selection	A	B	C
Normal/Standard	39.01+0.005	39.015+0.010	39.025+0.010
1st rebore	39.26+0.005	39.265+0.010	39.275+0.010
2nd rebore	39.51+0.005	39.515+0.010	39.525+0.010
3rd rebore	39.76+0.005	39.765+0.010	39.775+0.010
4th rebore	40.01+0.005	40.015+0.010	40.025+0.010

PISTON CLASSIFICATION TABLE

Piston Selection	A	B	C
Normal/Standard	38.950-0.01	38.960-0.01	38.970-0.01
1st rebore	39.200-0.01	39.210-0.01	39.220-0.01
2nd rebore	39.450-0.01	39.460-0.01	39.470-0.01
3rd rebore	39.700-0.01	39.710-0.01	39.720-0.01
4th rebore	39.950-0.01	39.960-0.01	39.970-0.01

Diameter for piston selection is 34.5 mm from the base of the piston (Fig. 7). The basic clearance between new cylinder and new piston is minimum 0.06 mm (.002352") maximum 0.075 mm (.002952").

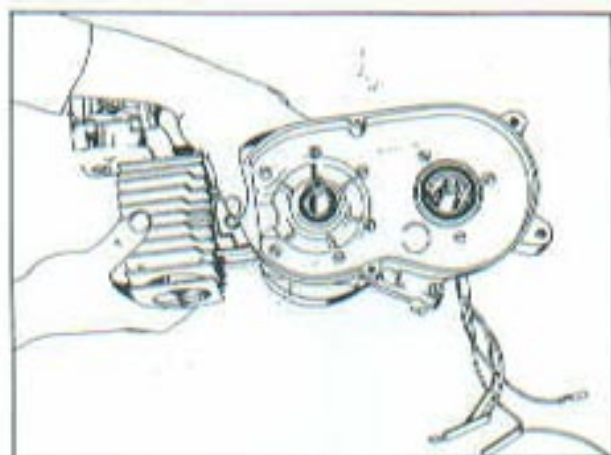


FIG. 5

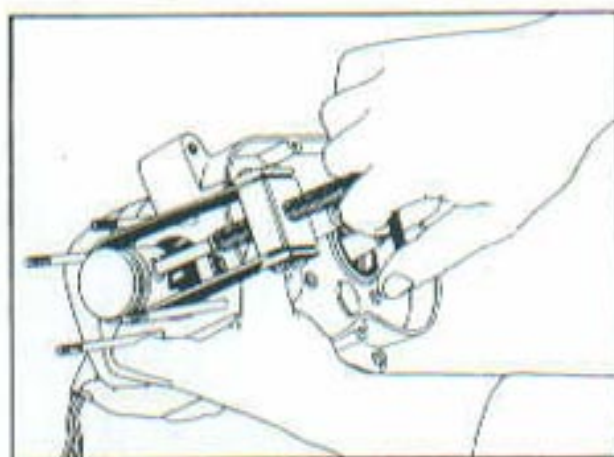


FIG. 6

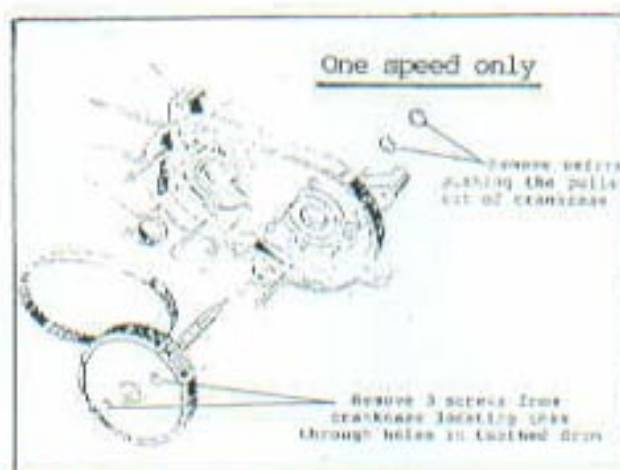


FIG. 7

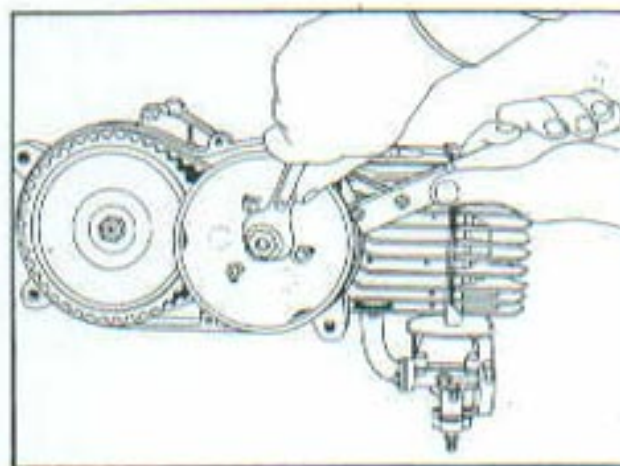


FIG. 8

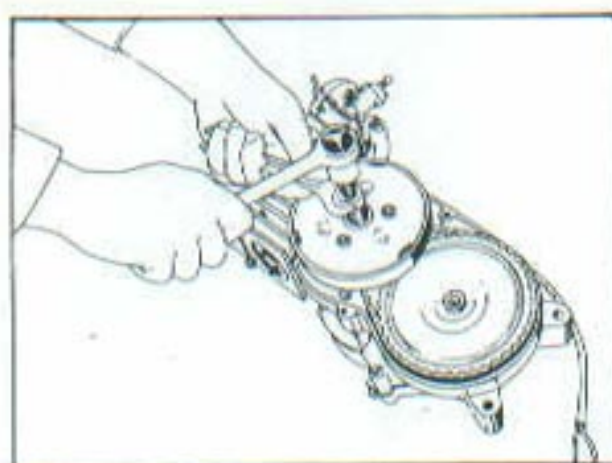


FIG. 9

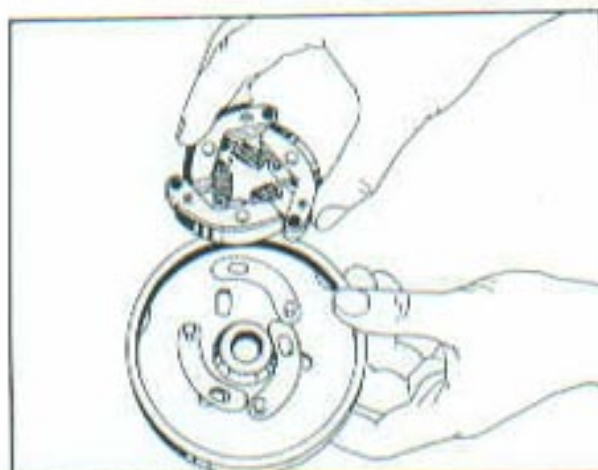


FIG. 10



FIG. 11

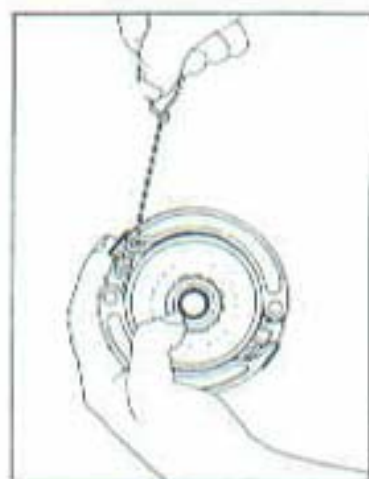


FIG. 12

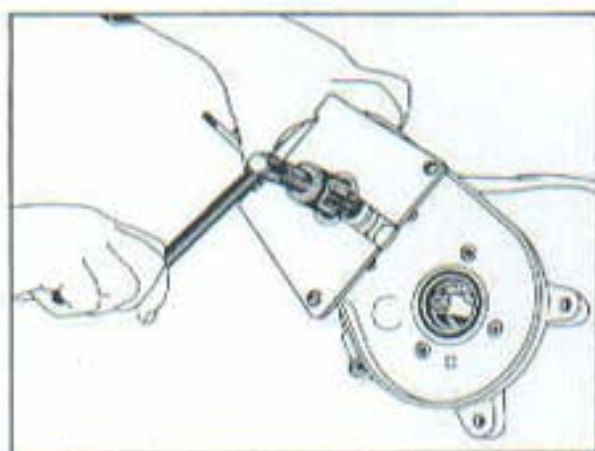


FIG. 13

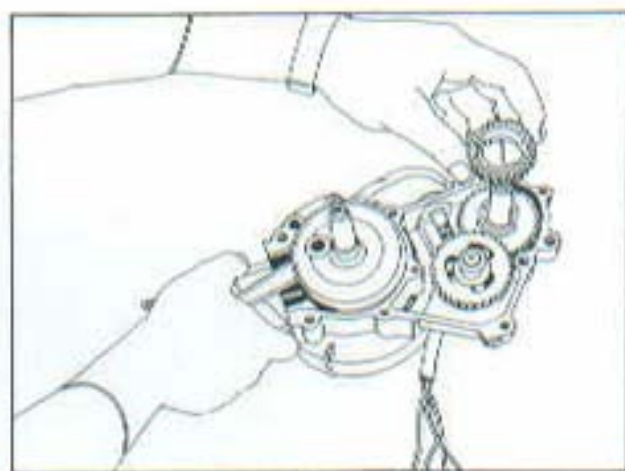


FIG. 14

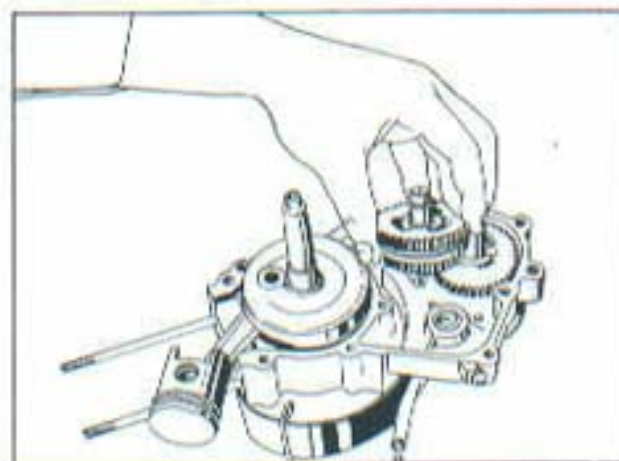


FIG. 15

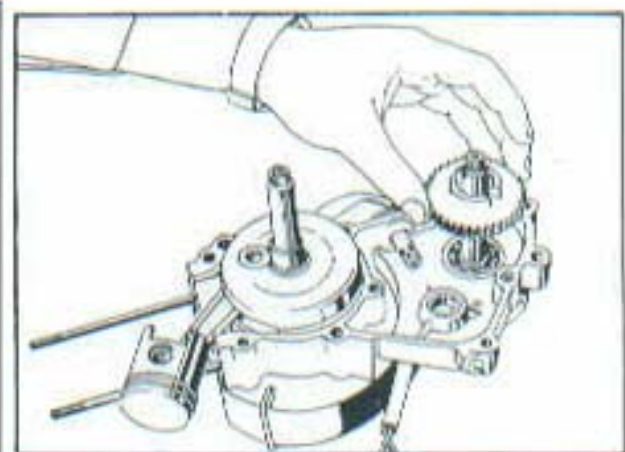


FIG. 16

D. Clutch dismantling - Fig. 17-20

After removing two M 5x30 screws, lift off the left-hand clutch cover.

Using the clutch drum holder No. 928-1000-1.5 hold the starting clutch drum and loosen the nut with spanner No. 17 (Fig. 8). Pull off the clutch drum using puller No. 4T 210-2200-01 (Fig. 9). With a screwdriver remove three circlips from the recesses to loosen the clutch starting shoes (Fig. 10). For reassembly use washer No. 4T 210-2100 and clutch drum puller No. 210-2200 and secure the clutch with the circlips (Fig. 11). After removing the drum with starting shoes, rotate and gently pull the starting drum with the small pulley to remove it together with the indented belt.

Work carefully so as not to damage the needle bearings and washers. For the removal and refitting of the starting shoes use the hook No. MN 1100-7.1 (Fig. 12) or flat pliers. Loosen the nut of the drum housing the change-gear shoes with spanner No. 17 while holding the output shaft with spanner No. 10 on the side of the drive gear to prevent its rotation.

After unscrewing the nut and lifting off the cover, remove the circular packing piece and pull out the change-gear shoes together with their carrier (back plate) using two thin screwdrivers braced against the inner edge of the drum. Insert the tips of the screwdrivers under the top arms of the shoe near the pivots and opposite each other. By carefully pushing the screwdriver handles downward you will lift the carrier with the shoes out of the drum.

Wipe the oil off the parts immediately and put the parts in a clean place. If the drum or the shoe linings are stained with oil they have to be degreased thoroughly. Finally remove the drum out of the crankcase.

When removing and refitting the shoe carrier, take care not to damage or lose the distance and the (19x15) seal rings.

Splitting the crankcase

- * a) **Unscrew and remove ten M 6 x 45 screws from the left side of the crankcase.**
- b) Fit the crankcase splitter No. 5Y 210-10 000-14.5 on the studs and fasten it by two screws on the left-side of the crankcase.
- c) Pull off the left-side of the crankcase (Fig. 13).

Removing gears

- a) Remove driving gear (28 teeth) from output shaft - Fig. 14
- b) Remove shaft with gears - Fig. 15
- c) Remove drive gear - Fig. 16

* **WARNING! ONE SPEED ENGINE ONLY.**

BEFORE SPLITTING CRANKCASE OF SINGLE SPEED ENGINE — SEE PICTURE #7.

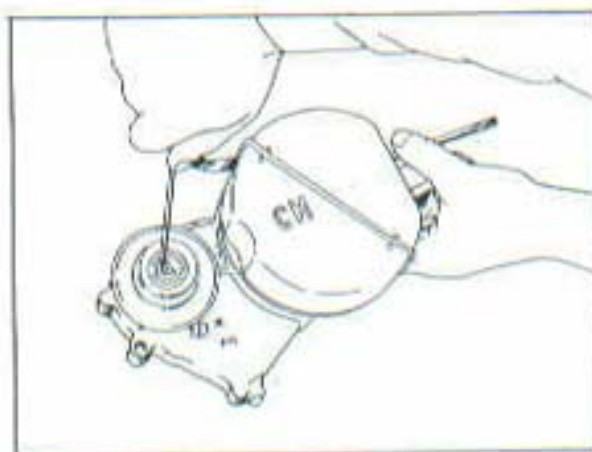


FIG. 17

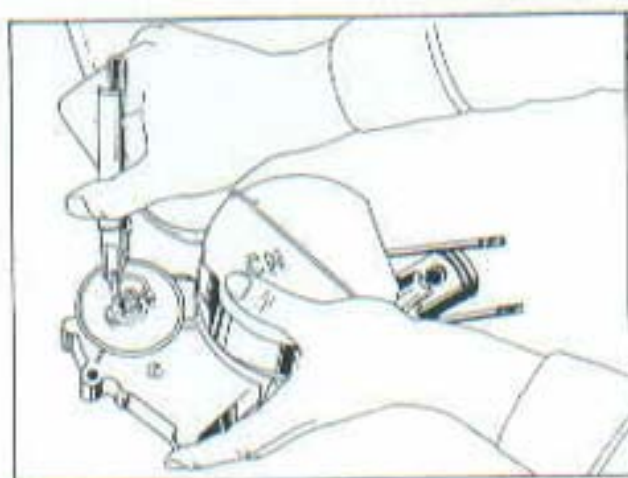


FIG. 18

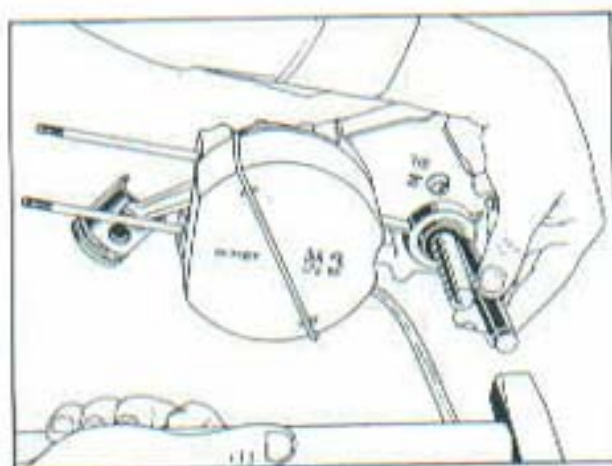


FIG. 19

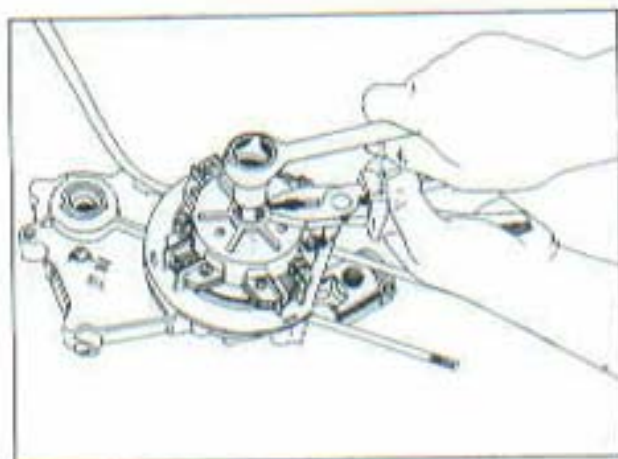


FIG. 20

Removing Drive Assembly

- 1) Loosen the circlip with a screwdriver and pull the washer, gear and complete drive off the output shaft (Fig. 17).
- 2) With pliers, loosen the circlip and pull the washer, cap, and sprocket off the shaft (Fig. 18).
- 3) After loosening the circlip, press the output shaft out of the case.

When reassembling the output shaft, use the seal ring installer (Fig. 19) to protect the shaft seal rings from damage.

Removing Alternator

- 1) Use a screwdriver to loosen the alternator cover retaining spring, and remove cover. Unscrew the M5 x 25 screw holding down the rotor.
- 2) With rotor puller, No. 928-6000-1.1, pull off the rotor (Fig. 20) and then loosen the lock pin.
- 3) Remove two M4 x 22 screws fastening the stator, and pull the stator out of the right side of the crankcase together with the leads.

After removing the transmission clutch and the alternator, press the crankshaft out of the crankcase.

Engine Reassembly

To reassemble the engine, reverse the above procedure.

- 1) Warm up the right side of the crankcase, about 158°F to 176°F and press in the crankshaft.
- 2) Reinstall the transmission.
- 3) Warm up the left side of the crankcase, about 158°F to 176°F and join it to the right side.
- 4) Reinstall the clutches.*
- 5) Reassemble alternator and assembly drive (engine drive engaging and disengaging device).
- 6) Reinstall the piston, the cylinder, and the cylinder head.

If any of the parts are worn beyond the acceptable gap, replace them with new ones.

*Reassembling 2nd-speed clutch

Observe utmost cleanliness during the clutch reassembly. Degrease the drum (large pulley) with a degreasing agent (i.e. alchohol, acetone, gas, etc) and wipe dry with a clean cloth. The surface of the drum must be polished with fine emery paper. A rougher surface has an unfavorable affect on the service life of the friction lining.

Make sure that the GUFERO seal ring (15x24x7) in the drum is not damaged.

Put the shoe carrier with the two 2nd-speed shoes mounted in position together with the regulating plate located between the shoes into the drum. All parts must be dry, without any traces of oil.

If oil has gotten between the joint faces during the dismantling, remove the 2nd-speed shoes and dip the carrier in a degreasing agent. Dry the carrier thoroughly

Rotate the shoe carrier together with the regulating plate counterclockwise and fit the parts in their position with a slight pressure of the hand. Never touch the friction lining or the friction surface of the drum with greasy hands. Place the two O-rings through the shaft, using a rigged tool made of copper tubing - 18mm O.D., 16mm I.D., to help push the O-rings firmly against the back plate of the shoe carrier. Lay the metal bushing over the O-rings and press together. Place the inside plate through the shaft. With the M10 x 1.25 nut, screw the flat metal washer and the clutch cover in place.

E. Carburetor - Fig. 21

The moped is fitted with the JIKOV 2912 DC carburetor with the following parts and adjustments:

Main jet	63
Idling jet	35
Needle position	2nd notch from top
Air screw backed off from the stop by 3/4 turn (1/4 turn for break in period)	

Routine maintenance of the carburetor includes its removal, flushing with clean gas and blowing through with compressed air. Clean the jets only with gas (or acetone) and air. Never use lengths of wire or other hard objects which are apt to damage the calibrated holes.

To give the carburetor a thorough overhaul, proceed as follows:

1. Remove the carburetor from the engine, dismantle, and clean the individual components thoroughly.
2. Discard worn parts and replace them with new ones.
3. Check the level of the flange and true it, if necessary, on an emery cloth placed on a flat surface..
4. After trueing the flange, clean the carburetor body thoroughly again.

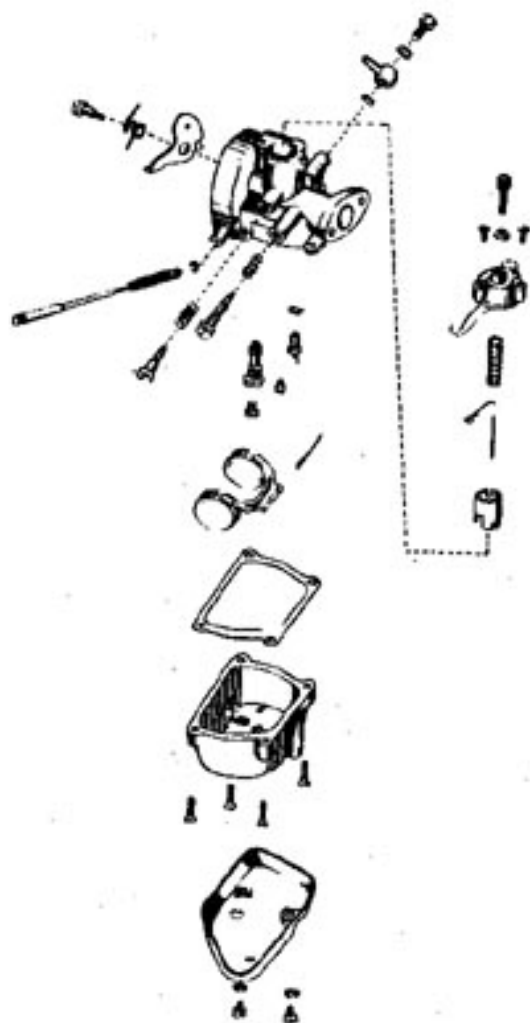


FIG. 21

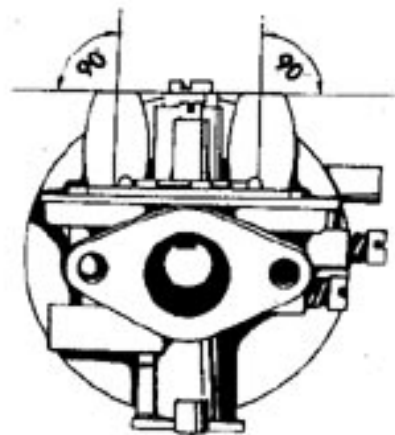


FIG. 22

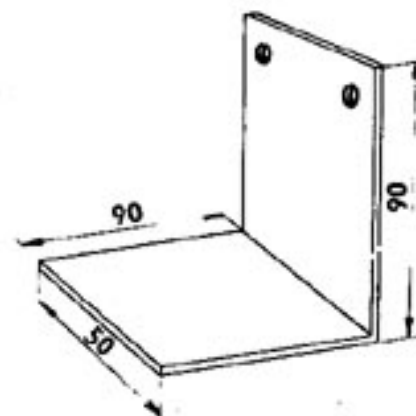


FIG. 22a

5. Check the jets and adjustments for compliance with the recommended values.
6. Adjust the needle and the fast-idling screw as recommended and finish the assembly procedure.
7. Install the carburetor in position on the engine. Start the engine, warm it up, and adjust the richness of the mixture by means of the air screw. Adjust the idling speed from 1,600 to 1,800 r.p.m. by means of the stop screw, and the needle valve and the free movement of the twistgrip by means of the throttle control.

Check and adjust the fuel level after every replacement of the fuel float. If the fuel leaks from the carburetor the leakage is not due to a defective float or needle.

Fuel Level Adjusting

1. Mechanical Adjustment - Fig. 22

With the carburetor removed from the engine, remove the float chamber cover. Turn the carburetor so that the floats are directed upwards. Check that the floats move freely on the spindle and that they are perpendicular to the carburetor center line. Also, check the height so that it reaches the level of the venturi tube top edge. If this is not the case, adjust the height of both floats by bending the spindle. Floats adjusted in this way should maintain the fuel in the float chamber at the correct level.

2. Check Fuel Level

After having adjusted the fuel level mechanically, the recommendation is to check the adjustment with the help of a tool which you can make of plexiglass according to the drawing (Fig. 22a). Screw the tool on to the float chamber (bottom drain screw) and allow fuel to run into the carburetor. Its level should reach the center index line with a tolerance of ± 1 mm. If this is not the case, adjust the floats by bending the spindle upward or downward as necessary. The fuel level adjusted in this way complies with the manufacturer's requirements. When checking the fuel level in the carburetor, when not fitted on the engine, it is necessary to observe the same height of the pressure column as exists between the fuel tank and carburetor when fitted on the engine.

F. Crankshaft

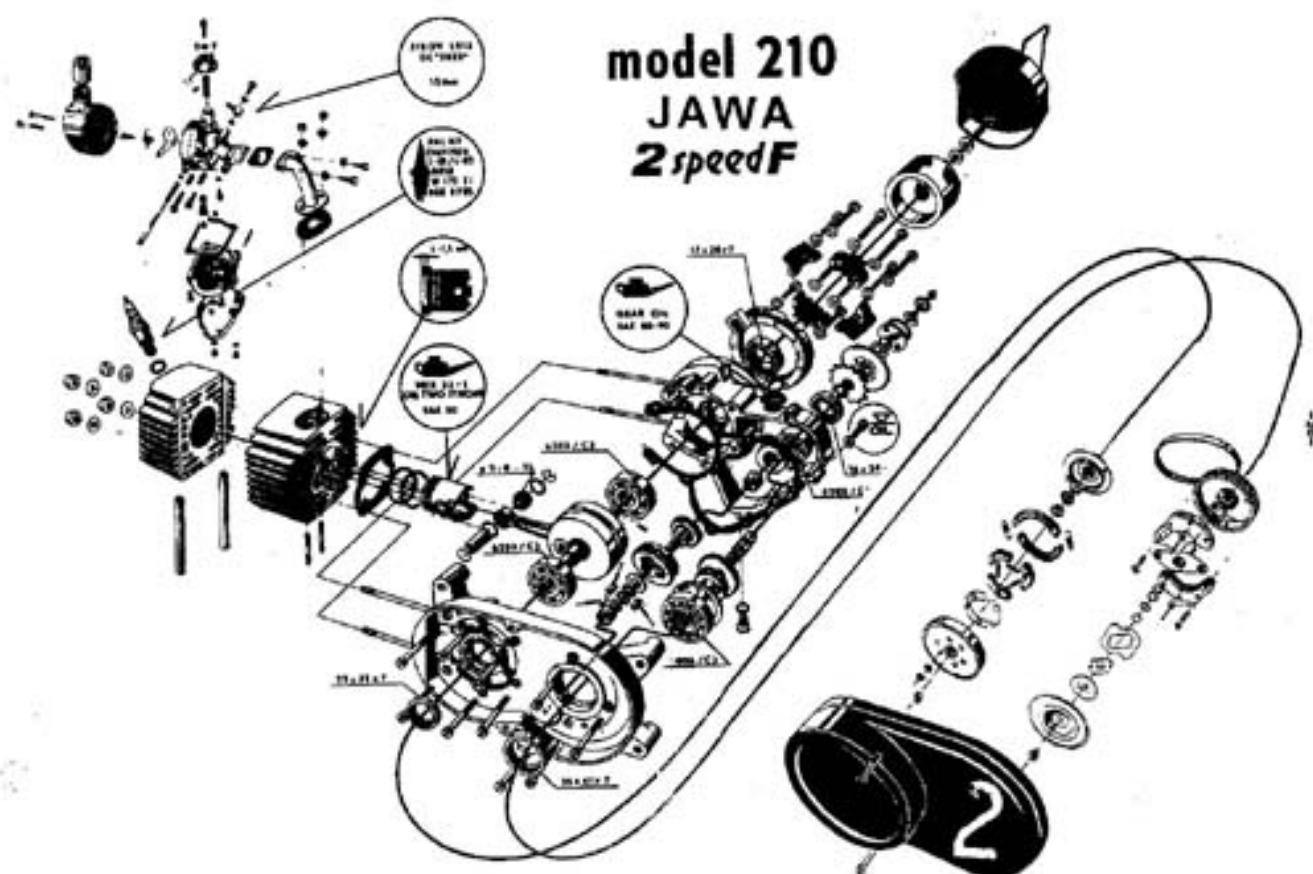
Removal and Reinstallation

1. Use a press with a pressure of about 10,000 lbs. prior to removing the crankshaft, marking the relative position of the crankshaft flywheels with check marks using a square.

2. Press the crankpin out of one-half of the crankshaft and then out of the other half.
3. Assemble the connecting rod, crankpin, and cage with needle rollers according to the classification table.
4. Clean all parts of the crankshaft thoroughly, especially the crankpins, which must be perfectly dry.
5. Press the crankpin into the flywheel till its face is flush with the outer surface of the flywheel.
6. Install the cage with needle rollers and lubricate with mineral jelly.
7. Press the flywheels together - observing the check marks, made prior to removal of the crankshaft.
8. After reassembly, the crankshaft must be centered.

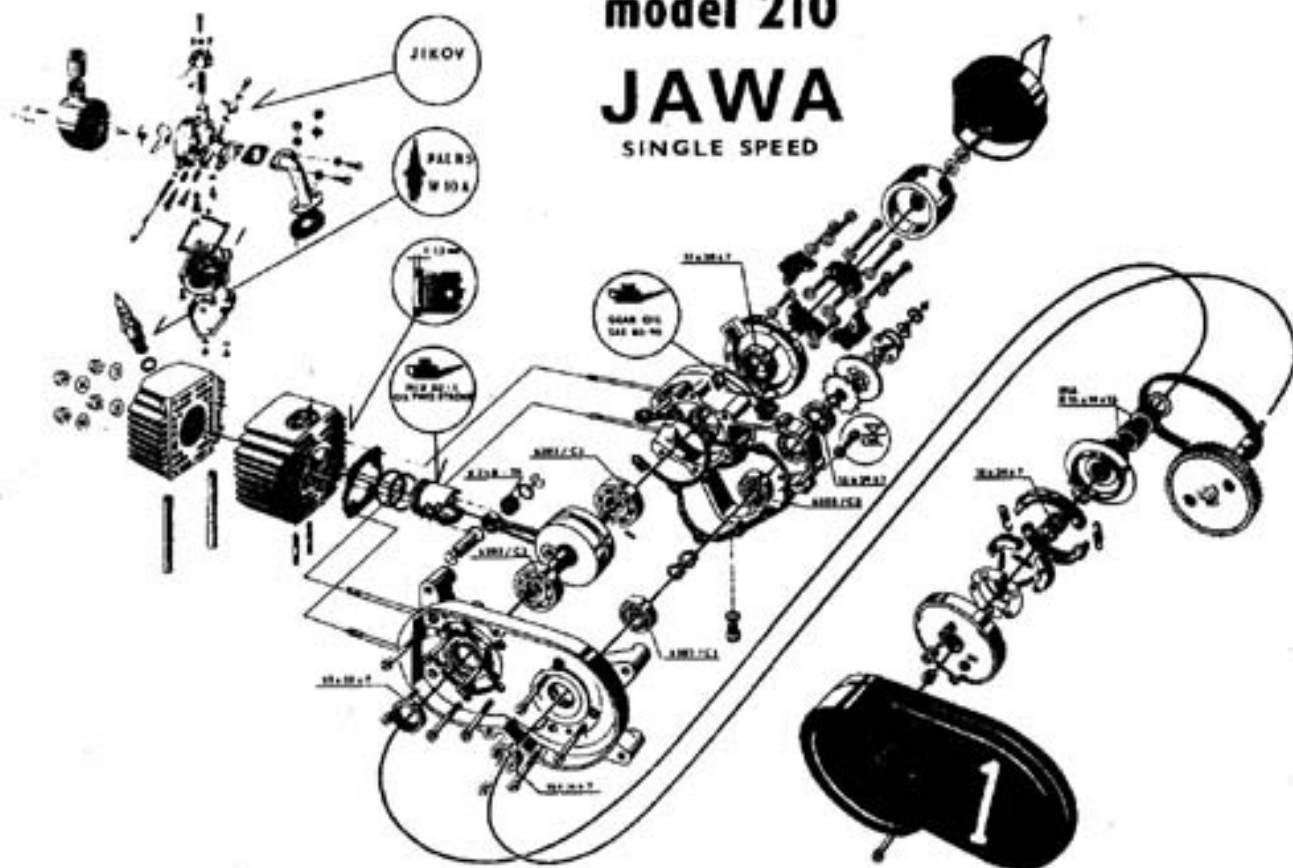
CLASSIFICATIONS TABLE

Conrod	Assembly groups						
I	15	14	13	12	11	roller	
	A	B	C	D	E		pin
II	14	13	12	11	10	roller	
	A	B	C	D	E		pin
III	13	12	11	10	9	roller	
	A	B	C	D	E		pin
IV	12	11	10	9	8	roller	
	A	B	C	D	E		pin
V	11;12	10;11	9;10	8;9	7;8	roller	
	A	B	C	D	E		pin
VI	10	9	8	7	6	roller	
	A	B	C	D	E		pin
VII	9	8	7	6	5	roller	
	A	B	C	D	E		pin
VIII	8	7	6	5	4	roller	
	A	B	C	D	E		pin
IX	7	6	5	4	3	roller	
	A	B	C	D	E		pin
X	6	5	4	3	2	roller	
	A	B	C	D	E		pin



AMERICAN JAWA LTD.

model 210
JAWA
SINGLE SPEED



AMERICAN JAWA LTD.

CRANKSHAFT ALIGNMENT PROCEDURE

Check axial alignment of the crankpins as per Fig. 23-1. If the two crankshaft halves are misaligned (out of parallel), take the shaft from between the center, place it on a suitable pad (copper, aluminum) and using a hammer of soft material or possibly a hand-operated crank press, proceed to align until the correct axial alignment of the crankpins is obtained.

The two crankshaft halves are not misaligned if the readings of the two dial indicators are equal while the shaft turns. After this check (if the respective out-of-true of the functional parts exceeds 0.015 mm (.00058")), align the center lines of the crankshaft by bending the two shaft halves as necessary.

The procedure can be seen in Fig. 23, Ref. Nos. 2,3. According to the respective misalignment of the crankshaft center line (as per the dial indicator readings), bend the flywheels so as to converge (in case of -- readings), or so as to diverge (in case of ++ readings).

If necessary, proceed to align at several levels, other than as shown in the picture. For final alignment observe the specification 0.015 mm (.00058") regarding the permissible out-of-true of the functional points.

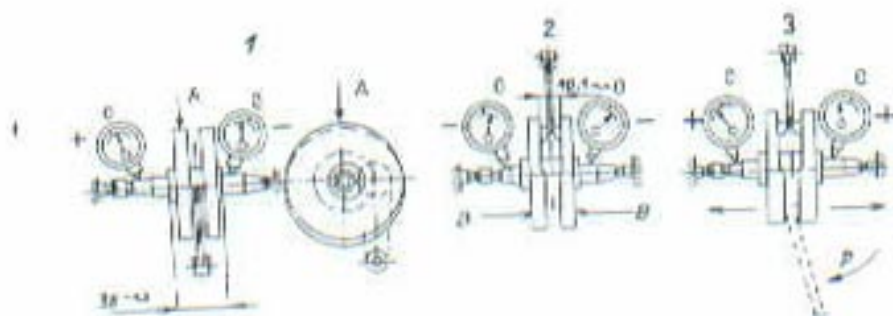


FIG. 23

IV. FRAME

1. Front Telescopic Forks

The front can be slid out of the frame head after loosening the center steering bolt. Before refitting the fork thoroughly lubricate the sliding parts with automotive grease.

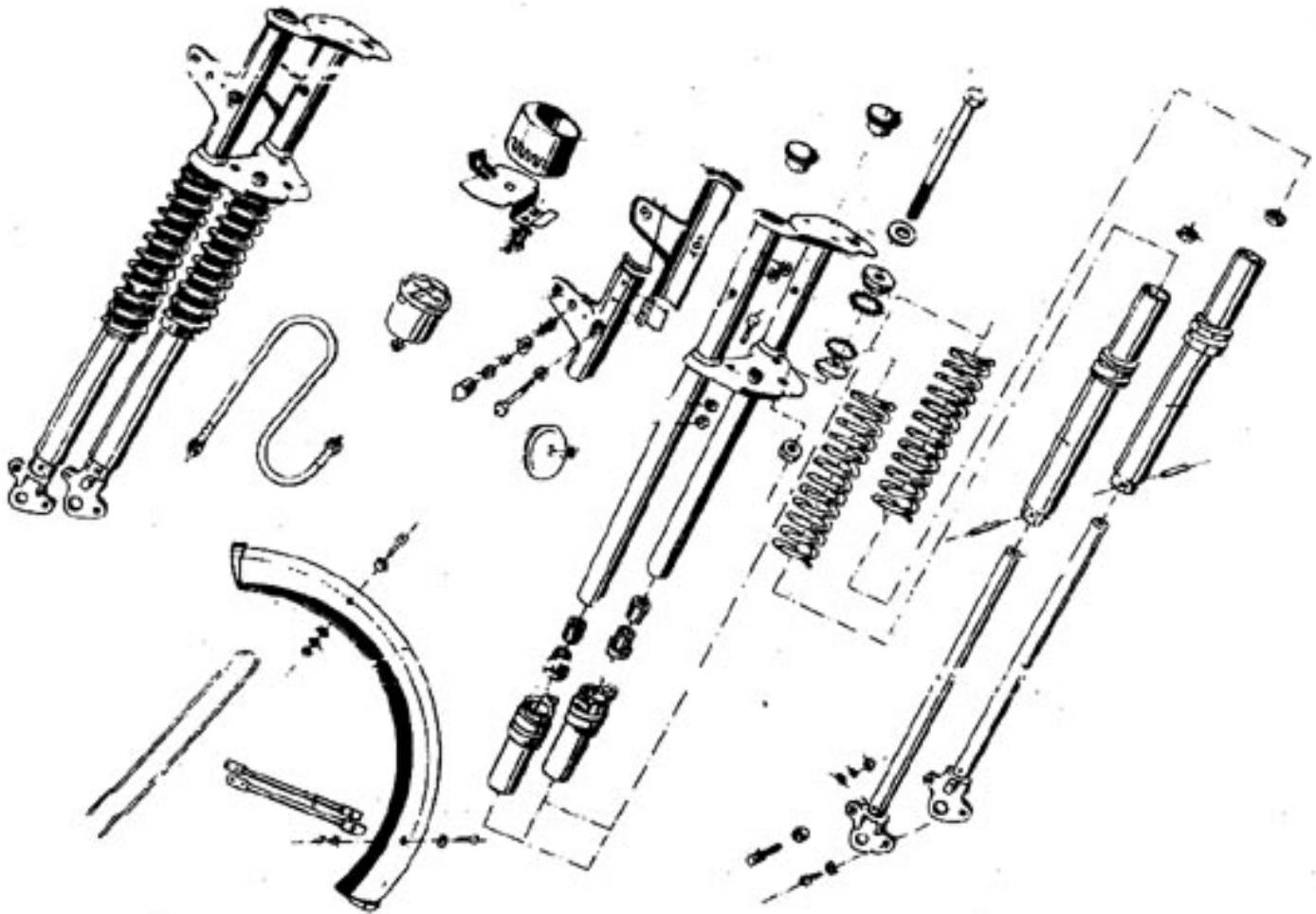


FIG. 24
Front Telescopic Fork

2. Front and rear wheel

The minimum dimensions (dia. 81.5mm) of the brake-shoe linings will ensure safe braking. Linings worn below this specification must be replaced.



FIG. 25
Exploded view of front and rear wheel

3. Rear wheel telescopic suspension

The moped has a rear telescopic suspension without shock absorbers. Their stroke is 60 mm, and they require no maintenance. Remove them by loosening the two M 8 nuts fastening them to the frame and to the rear swing arm.

Dismantling telescopic suspension units

1. Unscrew the top spring retaining lug
2. Unscrew the spring from the bottom retaining lug.

Reverse the dismantling procedure to reassemble the telescopic suspension units. Before refitting, lubricate the top lug guide of each unit.



FIG. 26
Rear telescopic suspension unit

V. ELECTRICAL EQUIPMENT

1. Alternator

Electric current is supplied from the alternator fitted with a rotor. The lamps are fed with current from two stator coils connected in series with an output of 35W at a voltage of 6V.

Another stator coil supplies current to the ignition coil and the thyristor block controlled by the pulse-forming stator coil.

Lamps:	Headlight	6V/21W bulb
	Tail light	6V/5W bulb and 6V/10W bulb
	Speedometer lighting (outside bulb fastening)	6V/2W bulb
	Speedometer lighting (inside bulb fastening)	6V/1.2W bulb

The nominal gap between the rotor and the coils is 0.3 mm.

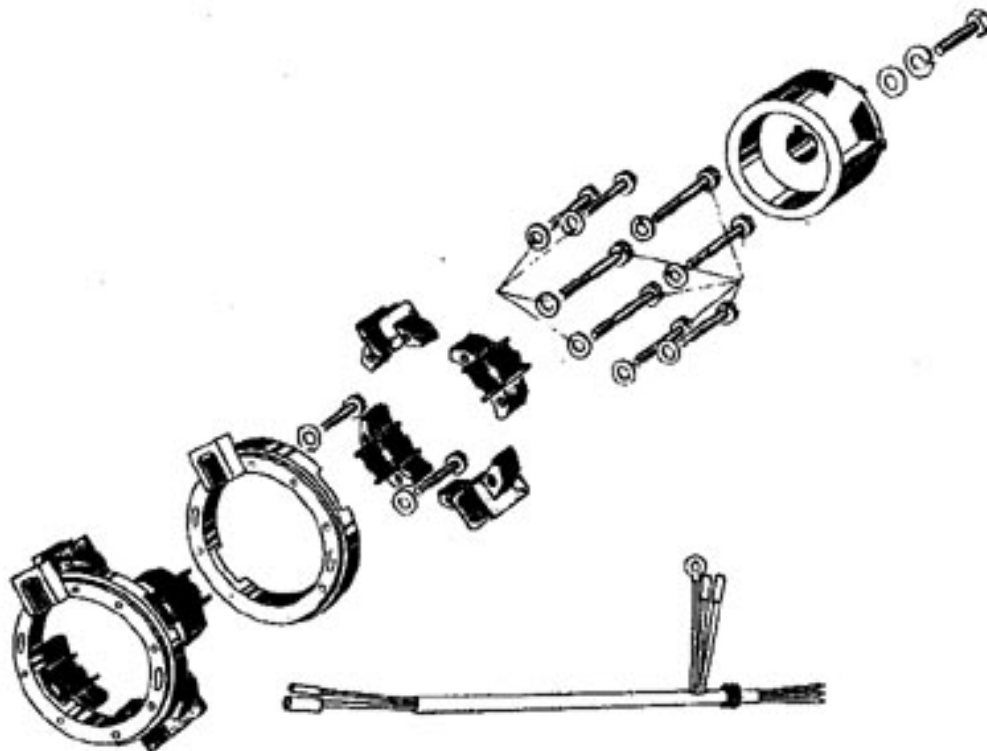


FIG. 27
Alternator

2. Ignition System

The moped is equipped with a non-contact semiconductor ignition system which does not require any maintenance except cleaning the spark plug. It is practically failproof and a defect can only be the result of unwarranted interference on the part of the owner. Ignition adjustment is unnecessary since no mechanical wear can take place. Ignition advance should be adjusted only if the stator screws have become loose or after the removal of the alternator. We recommend, therefore, not to interfere with the ignition adjustment. In the case of a failure go to a specialized workshop.

Feeding	- generator coil
Starting	- pulse-forming coil
Spark plug	- PAL N 7R, Champion L-89CM
Plug point gap	- 0.5 mm (.0196")
Ignition advance	- 1 - 1.5 mm (.0393 - .059) before T.D.C.

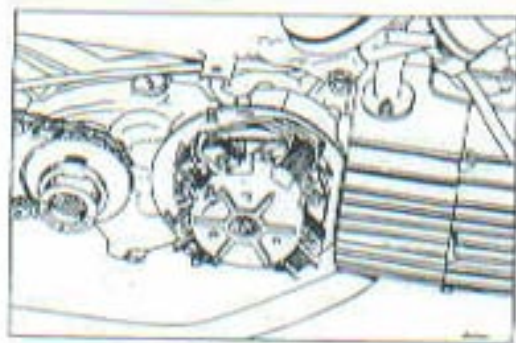


FIG. 28

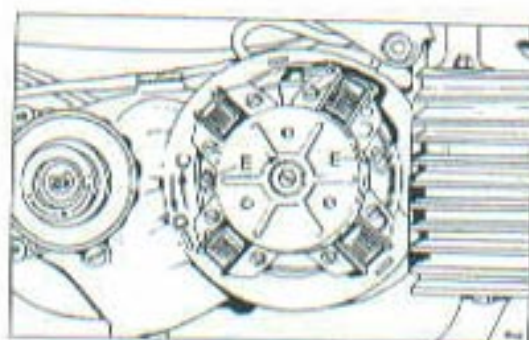
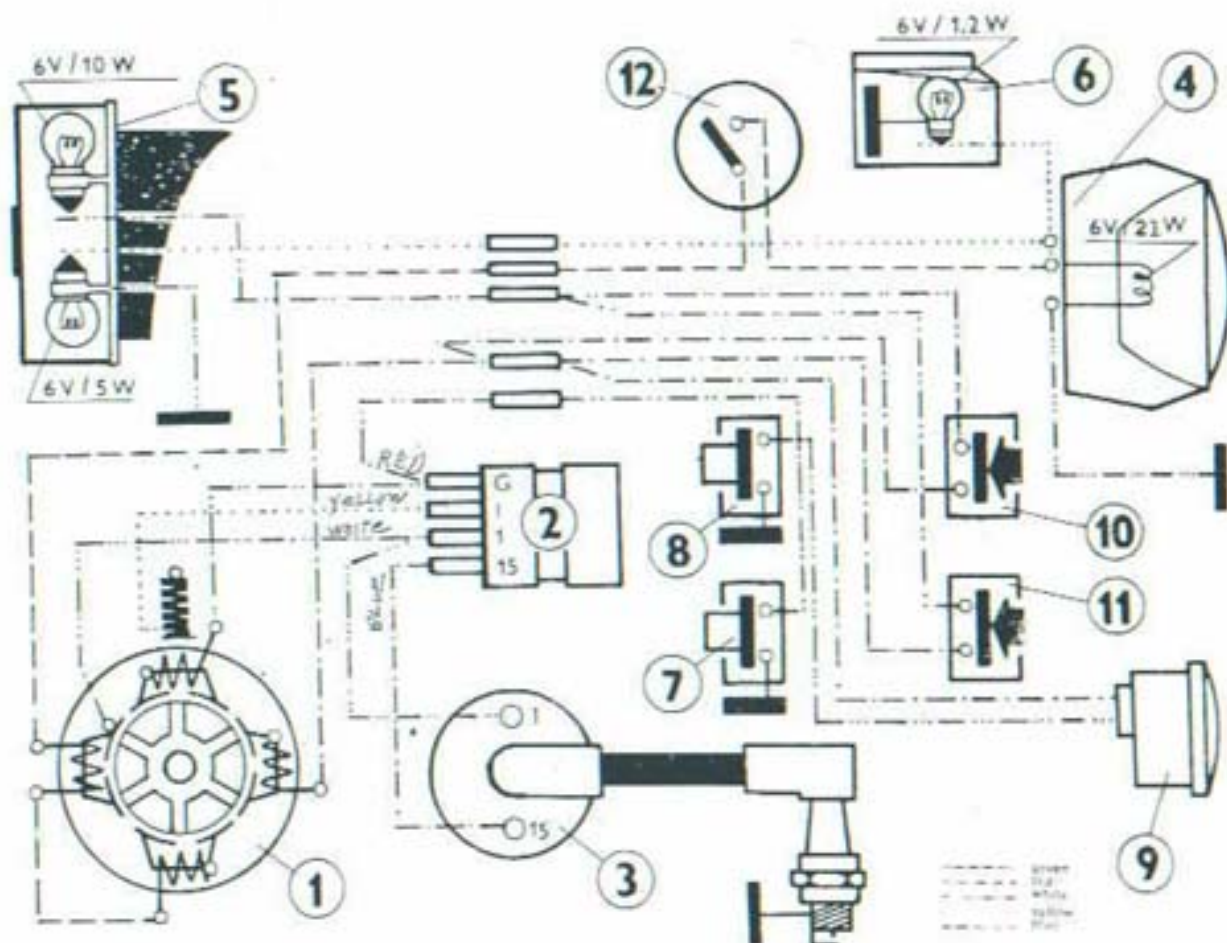


FIG. 29

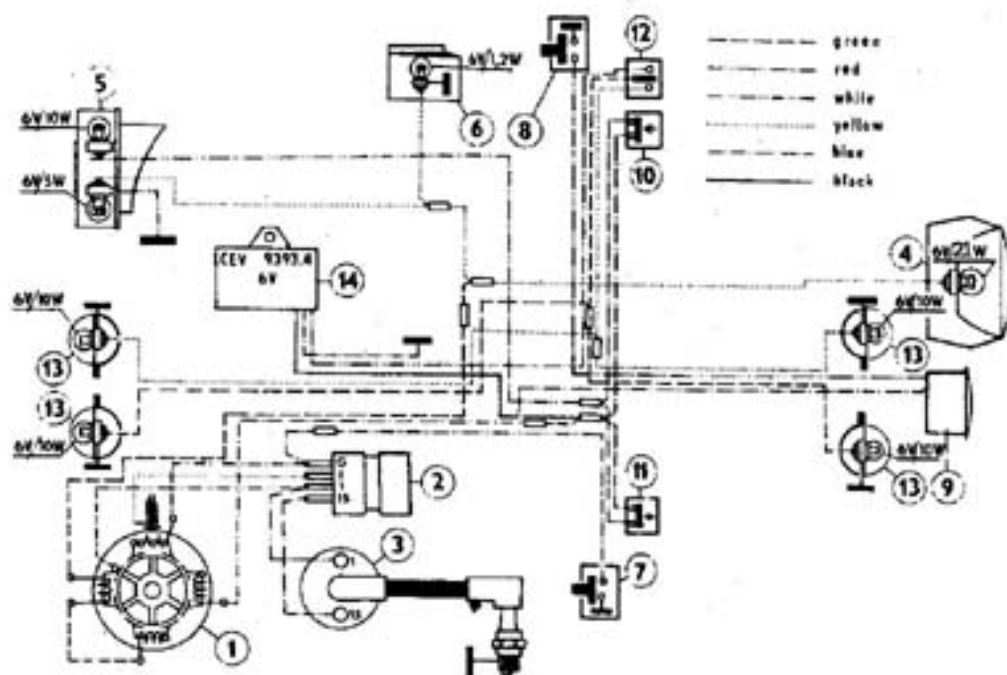
When adjusting the ignition advance, rotate the rotor in the direction of arrow "A" (Fig. 28) until timing marks "B" of the rotor and stator coincide. Insert dial indicator of a depth gauge into the spark plug hole and measure depth. Then continue rotating the rotor in the direction of arrow "A" until the piston reaches its top dead center position. The distance measured on the dial indicator from the alignment of the timing marks up to top dead center should be 1 to 1.5 mm (.0393 - .059). If this value is exceeded, loosen screws "E" (Fig. 29) and rotate the stator in the direction of arrow "C". If the value is less, rotate the stator in the direction of arrow "D".

3. Moped Wiring Diagram - Pg. 28 & 29



Wiring diagram - without turn signal

1. Alternator 2. Thyristor ignition unit 3. Ignition coil 4. Headlamp 5. Tail lamp
6. Speedometer 7. Engine kill switch 8. Horn switch 9. Horn 10. Stop-switch of
rear brake 11. Stop-switch of front brake 12. Headlamp light switch



Wiring diagram - with turn signal

1 Alternator 2. Thyristor ignition unit 3. Ignition coil 4. Headlamp 5. Tail lamp
 6. Speedometer 7 Engine kill switch 8. Horn switch 9. Horn 10. Stop-switch of rear
 brake 11. Stop-switch of front brake 12. Headlamp light switch 13. Direction
 -indication lamp

VI. Trouble Shooting

A. Engine Will Not Start

1. Shut pet cock.
2. Empty fuel tank.
3. Clogged fuel hose, fuel jet, strainer, or water in float chamber.
4. Faulty ignition - Carbon deposits on spark plug electrodes, defective spark plug insulator, excessive plug gap, defective thyristor device, defective ignition coil or stator plate.
5. Flooded engine. Shut off pet cock and turn the pedals while the machine is on its stand, or pedal, until the engine fires. Use the decompressor lever if the moped is fitted with it. Then open the pet cock. It may be necessary to unscrew the spark plug to clean it and to turn the engine several times to expel excessive fuel through the spark plug hole. Reinstall the spark plug and repeat the starting procedure.
6. Slipping or defective starting clutch. Remove the crankcase cover on the ignition side and while pedaling see whether the crankshaft with the rotor is rotating.

Engine Runs Erratically

1. Overheated engine.
2. Faulty spark plug.
3. Partly obstructed fuel supply or clogged main jet.
4. Leaky crankcase.
5. Faulty ignition.
6. Faulty cable terminal.
7. Improperly vented fuel tank.

Loss Of Power

1. Clogged air cleaner.
2. Clogged exhaust silencer.
3. Damaged crankcase seal ring.
4. Damaged piston, cylinder or piston rings.
5. Leaky cylinder head.
6. Poorly adjusted ignition.

Engine power is satisfactory, but acceleration is poor or peak speed cannot be attained.

1. Brake shoes are fouling the drums.
2. Under inflated tires.
3. Slipping starting clutch or 2nd-speed clutch.

B. Transmission - Trouble shooting

Optimum gear change in model 210 moped, 2nd gear - 25 MPH model at full throttle.

2nd-speed clutch warmed up to required temperature. After starting from idle, the 2nd gear is engaged within a distance of 28.6 yards. Engagement of 2nd gear begins at a distance of 19.8 yards and is completed in about 1.5 to 2 seconds.

According to speedometer readings, the moped should attain about 14.4 MPH, in 1st gear at full throttle and the change to the 2nd gear should be completed at a speed of about 16.8 MPH.

Problem	Cause	Remedy
Engine will not start	Slipping 2nd-speed clutch	Degrease drum surface & lining
Faulty freewheel	Water on drum friction surface.	Dry drum surface & lining
	Regulating plate does not move and does not expand 2nd-speed shoes	Work free or replace regulating plate
	Worn lining of 2nd speed shoes. Regulating plate strikes against shoe pivot during starting and does not force shoes against drum inner surface.	Replace 2nd-speed shoes
Changing from 1st to 2nd gear takes very long or does not take place at all. When the 2nd speed clutch is sliding it is not allowed to drive more than 1/2 mile. High Temperature reduces the life-time of driving belt	Slipping 2nd speed clutch. Dirt or oil in friction areas. Water on friction area	Remove dirt, degrease drum & lining with suitable degreasing agent. Find cause (defective GUFERO sealing ring, O-ring)

Problem	Cause	Remedy
Charging from 1st to 2nd gear takes a shorter time than usual.	Imperfect control of retraction of 2nd-speed shoes by regulating plate	
Moped starts from idle into 2nd gear, or a change from 2nd to 1st gear is delayed when riding uphill.	Check movability of inner drive. Damaged hard, chrome-plated ears on regulating plate	Replace regulating plate

JAWA MOPED TEST OF IGNITION

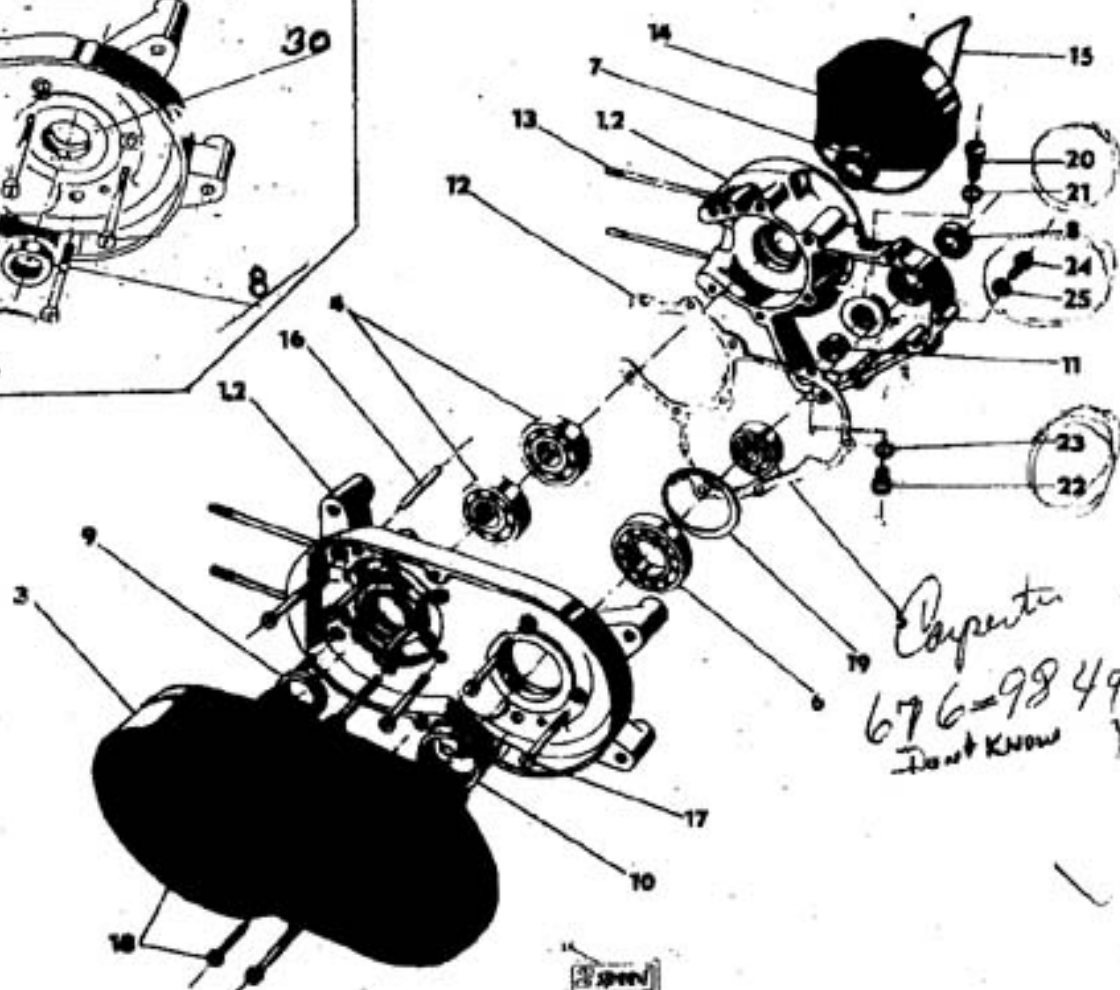
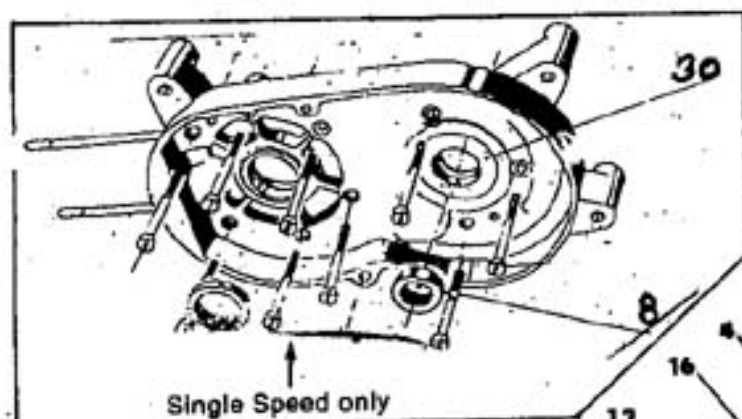
-33-

TEST	READING OF TESTER	OHMMETER TESTS	CORRECTION
1	No Spark	Use ohmmeter feed 1.5 - 3V	Check spark plug and wire connectors
2	Field Coil Test Part #207 61 005	Resistance between the core and winding should be 220 + 10 OHMS	If Not, replace the coil
3	Impulse Coil Test Part #210 61 004	Resistance between armature bracket and impulse coil should be 17 + 1 OHMS	If Not, replace the coil
4	Test of Electronic Unit Part #207 65 002	Resistance between one and I should be in the range of 50-400 OHMS. When reversing the poles while testing (+ and -), reading must vary slightly, but will stay in the same range of 50-400 OHMS Defective electronic unit when the ohmmeter reading "0" or infinity for original or reverse polarity.	Replace defective unit
5	High Voltage Coil Test Part #443-212-210-800	Resistance between one and 15 has to be less than 1 OHM and high voltage outlet should be about 6000 OHMS	Replace defective unit

1. CRANKCASE—(1/S, 2/S)

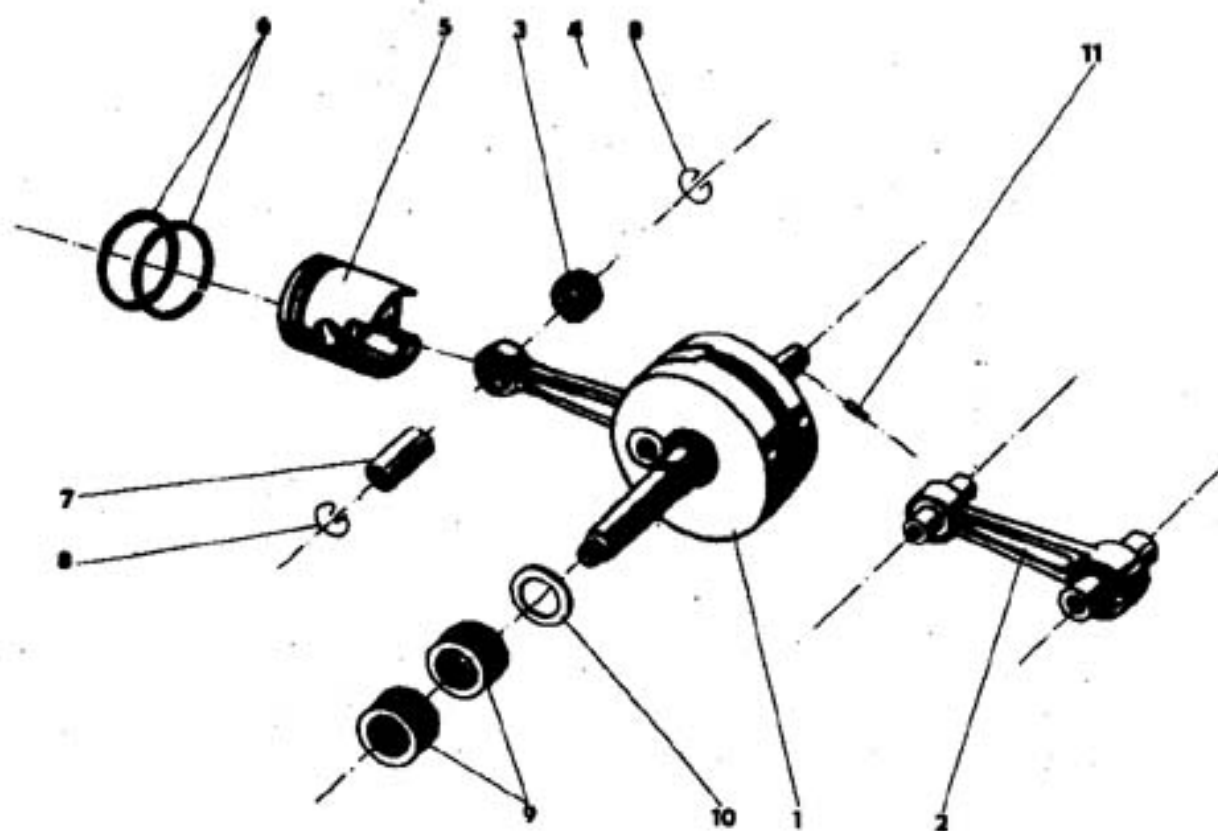
ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
—	210 17 013	Engine, complete with carb.	1	14	28 1116	Ignition Cover	1
1	210 11 001	Crankcase Assy.	1	15	28 1119	Spring	1
3	224 11 025	Clutch cover	1	16	311 515 003 040	Dowel pin, 8 x 40	2
4	43204	Bearing No. 8203/C3	2	17	20211	Screw M6 x 45	10
5	324 162 020 003	Bearing No. 8202/C3	1	18	309 231 005 003	Screw M5 x 30	2
6	324 168 060 003	Bearing No. 8008/C3	1	19	311 733 100 550	Circlip, 55	1
7	50112	Seal 17 x 28 x 7	1	20	351 11 201	Venting plug	1
8	50115	Seal 15 x 24 x 7	1	21	01 1119	Fiber washer 14 x 20	1
9	273 521 005 317	Seal 22 x 32 x 7	1	22	550 10 012	Capacrew	1
*10	273521009517	Seal 35 x 47 x 7	1	23	50005	Packing ring 9 x 5	1
11	224 11 018	Bushing	2	24	309 246 208 010	Screw M 6 x 10	1
12	210 11 005	Gasket	1	25	722 923 110 201	Fiber washer 6 x 10	1
13	28-1112	Stud bolt	1	*26	210 07 006	Label Two Speed	1
				26a	210 00028	Label Single Speed	1
				30	215-11 059	Bushing w/bearing & seal	1

* DO NOT USE FOR SINGLE SPEED MODEL.



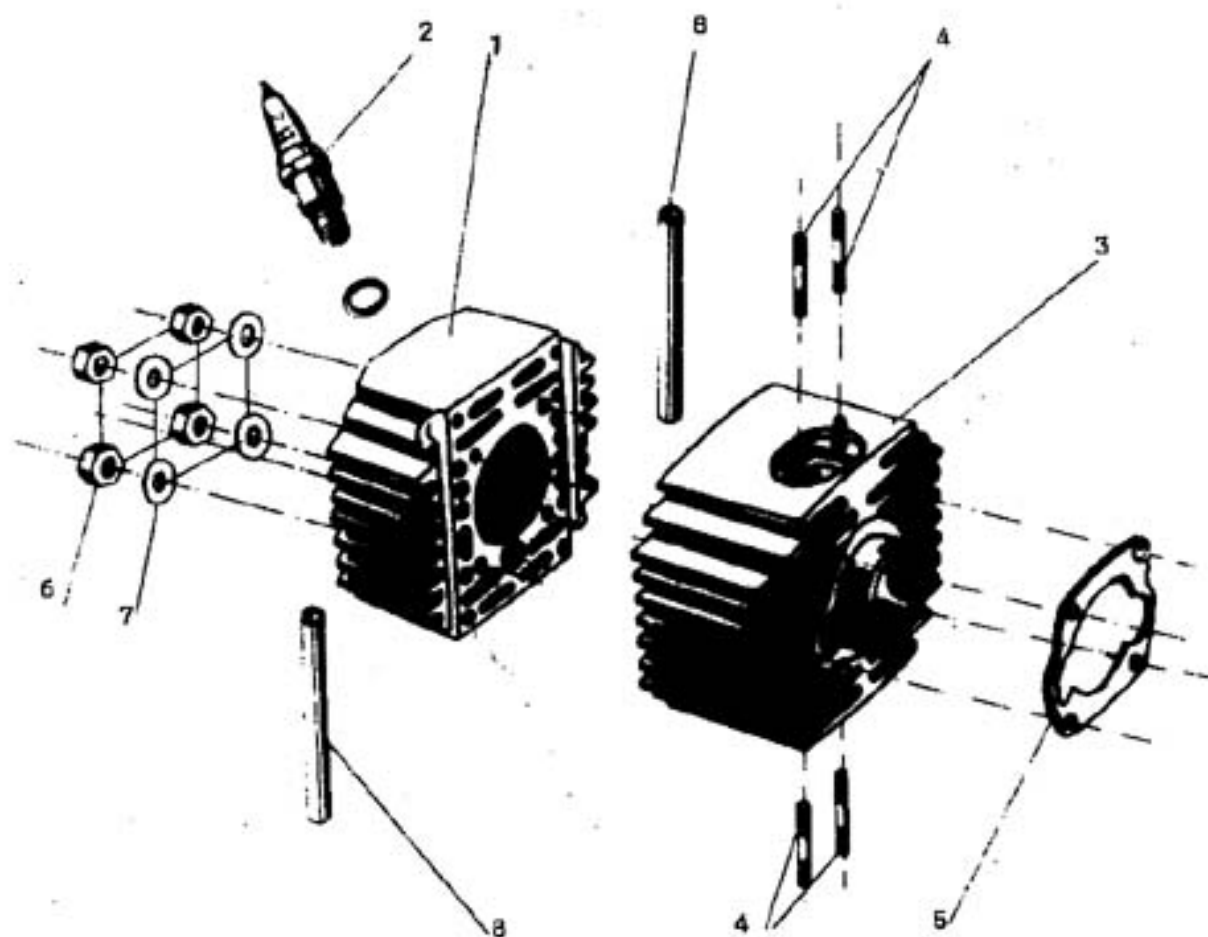
2. CRANKSHAFT MECHANISM—(1/8, 2/8)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	210 17 031	Crankshaft Assy. w/o piston	1	6	28 1220/1	Piston ring 1st over	2
2	210 17 037	Connecting Rod Comp.	1		28 1220/11	Piston ring 2nd over	2
3	210 17 032	Needle cage bearing	1		28 1220/111	Piston ring 3rd over	2
5	319 231 000 280	Piston	1	7	224 12 012	Gudgeon pin	1
	319 231 000 281	Piston 1st over	1	8	05 1222	Wire snap ring	2
	319 231 000 282	Piston 2nd over	1	9	70111	Roller bearing	2
	319 231 000 283	Piston 3rd over	1	10	224 21 002	Friction washer	1
6	28 1220	Piston ring 32 x 2	2	11	355 12 033	Lock pin	1



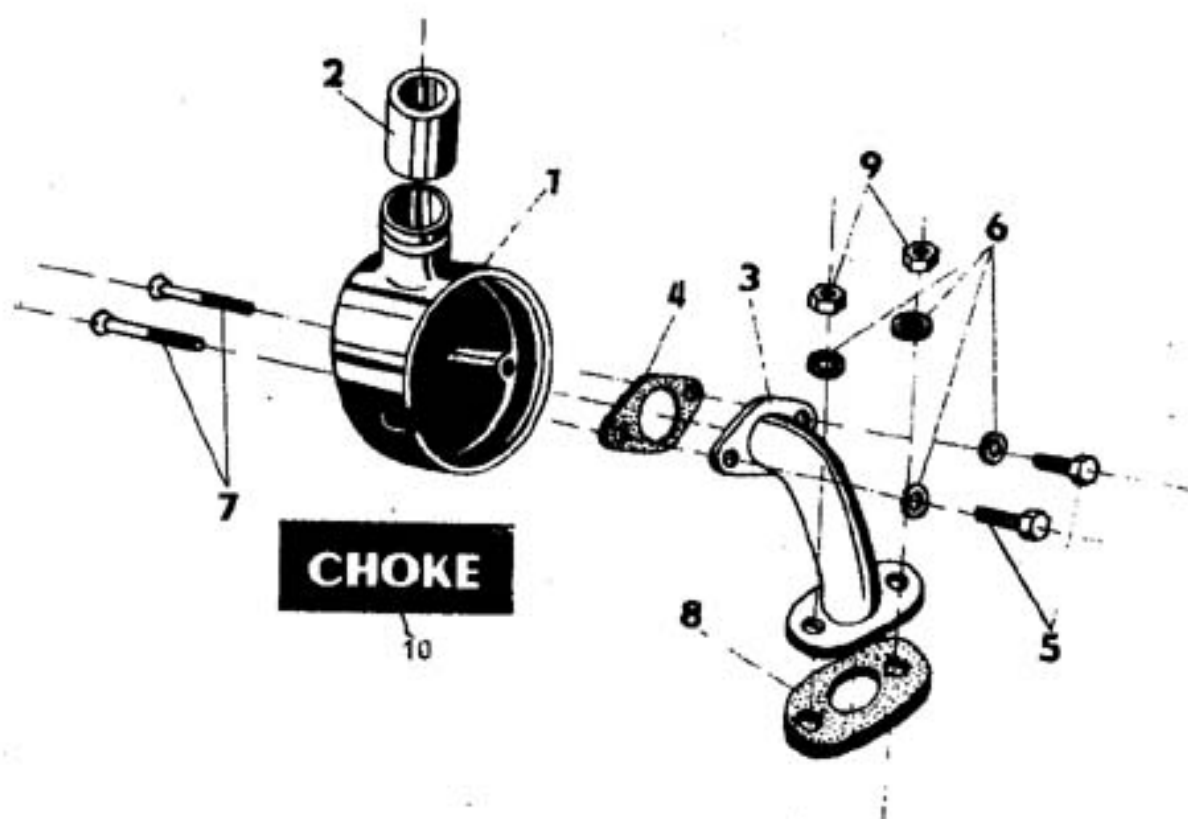
3. CYLINDER WITH HEAD—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	210 17 017	Cylinder head	1	5	28-1006	Cylinder gasket	1
2	62136	Spark plug N7R	1	6	25103	Nut M6	4
3	224 13 100	Cylinder Assy	1	7	27007	Washer 6.4	4
4	228 13 014	Stud bolt	4	8	272 312 055 095	Hose	2



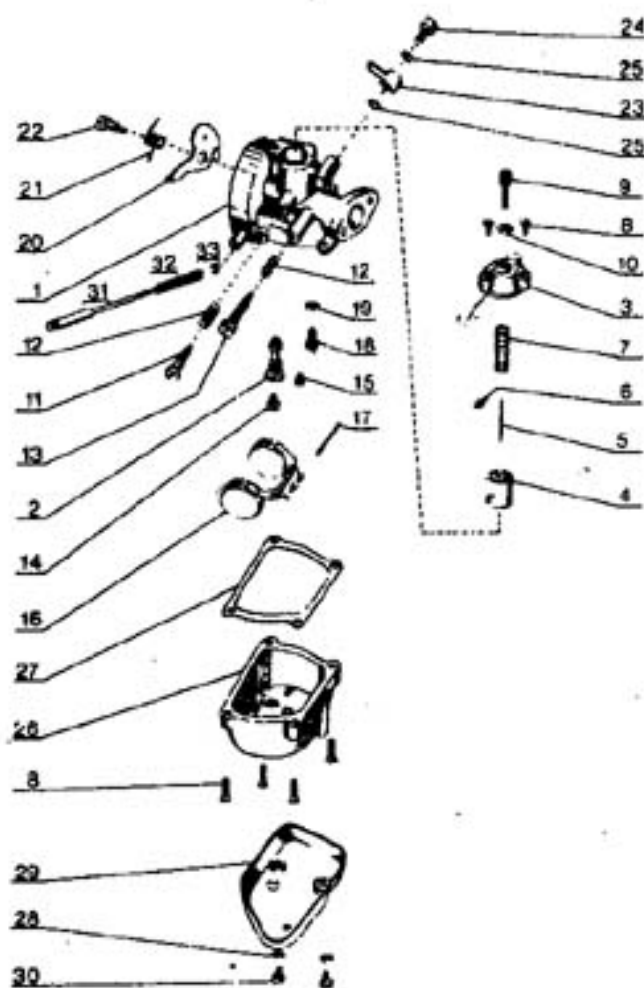
4. AIR CLEANER—(1/S 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	210 04 010	Intake	1	8	27401	Washer 5.1	4
2	228 04 009	Rubber intake	1	7	21020	Screw M4 x 25	2
3	210 04 003	Manifold	1	8	210 10 017	Gasket	1
4	228 04 002	Gasket	1	9	25101	Nut M5	2
5	25114	Screw M5 x 12	2	10	207 07 035	Choke label	1



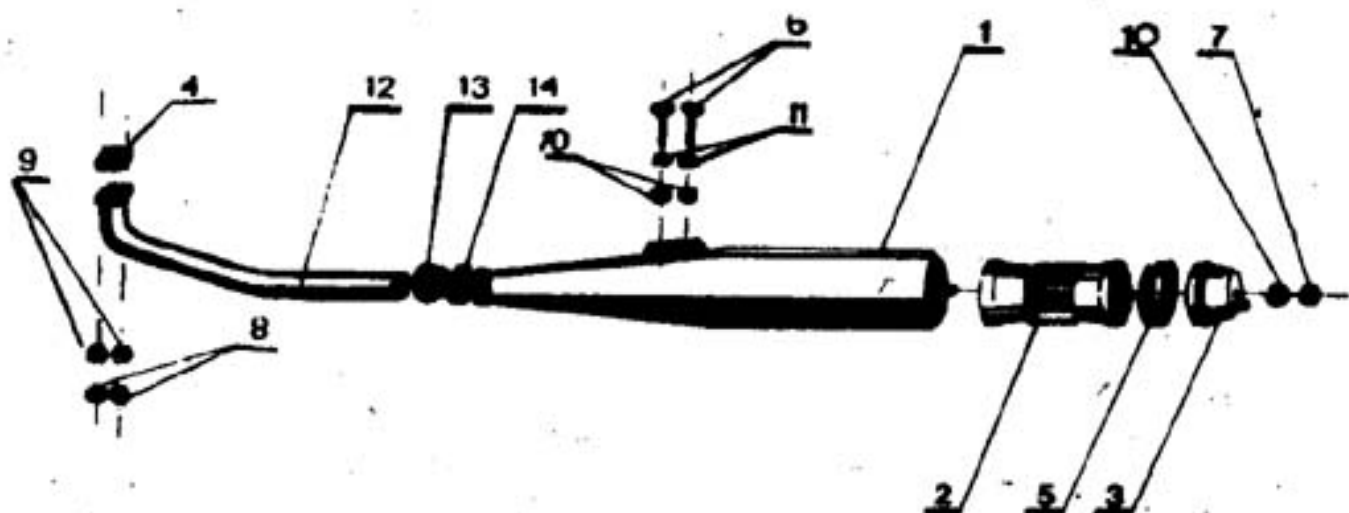
5. CARBURETOR—(1/S 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
—	443 752 282 200	Carburetor, JIKOV 12	1	17	2-31158	Hinge Pin	1
1	443 919 370 160	Carburetor body Assy.	1	18	2-65253	Needle Valve Assy.	1
2	23219	Emulsion Tube	1	19	2-5213	Gasket seal	1
3	443 919 371 810	Lid Assembly	1	20	443 918 448 102	Orifice plate	1
4	443 915 870 450	Valve 12	1	21	2-4838	Spring	1
5	23-1155	Valve needle	1	22	443 911 018 702	Screw	1
6	2-3350	Clip	1	23	2-2491	Connection	1
7	2-4838	Spring	1	24	1-2596	Screw	1
8	1-2485	Screw	6	25	1-5209	Seal	3
9	2-2434	Guide	1	26	443 915 611 311	Float Chamber	1
10	2-2516	Nut	1	27	2-5312	Gasket	1
11	2-2558	Stop Screw	1	28	1-4308	Washer 4.1	2
12	2-4825	Spring	2	29	210 04 011	Dripping Tray	1
13	2-2503	Adjusting Screw	1	30	1-4106	Screw M4 x 8	2
14	1-3130/63	Main Jet	1	31	443 912 031 603	Carburetor Pin Assy.	1
15	2-3160/35	Idle Jet	1	32	315110004630	Spring	1
16	2-65257	Double Float Assy.	1	33	443916011907	Clip	1



6. SILENCER—(1/S 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
—	210 07 013	Exhaust pipe & Silencer Assy.	1	7	25103	Nut, M8	1
1	207 07 308	Silencer	1	8	25101	Nut, M5	2
2	228 01 048	Silencer core	1	9	27401	Washer, 5.1	2
3	207 07 309	Silencer Tail piece	1	10	27007	Washer, 6.4	3
4	228 10 004	Gasket	1	11	27402	Washer, 8.1	2
5	207 01 013	Packing 2 x 180	1	12	210 07 015	Exhaust Pipe	1
6	21103	Bolt, M8 x 12	2	13	207 01 312	Packing Nut	1
				14	210 01 015	Packing asbestos	1

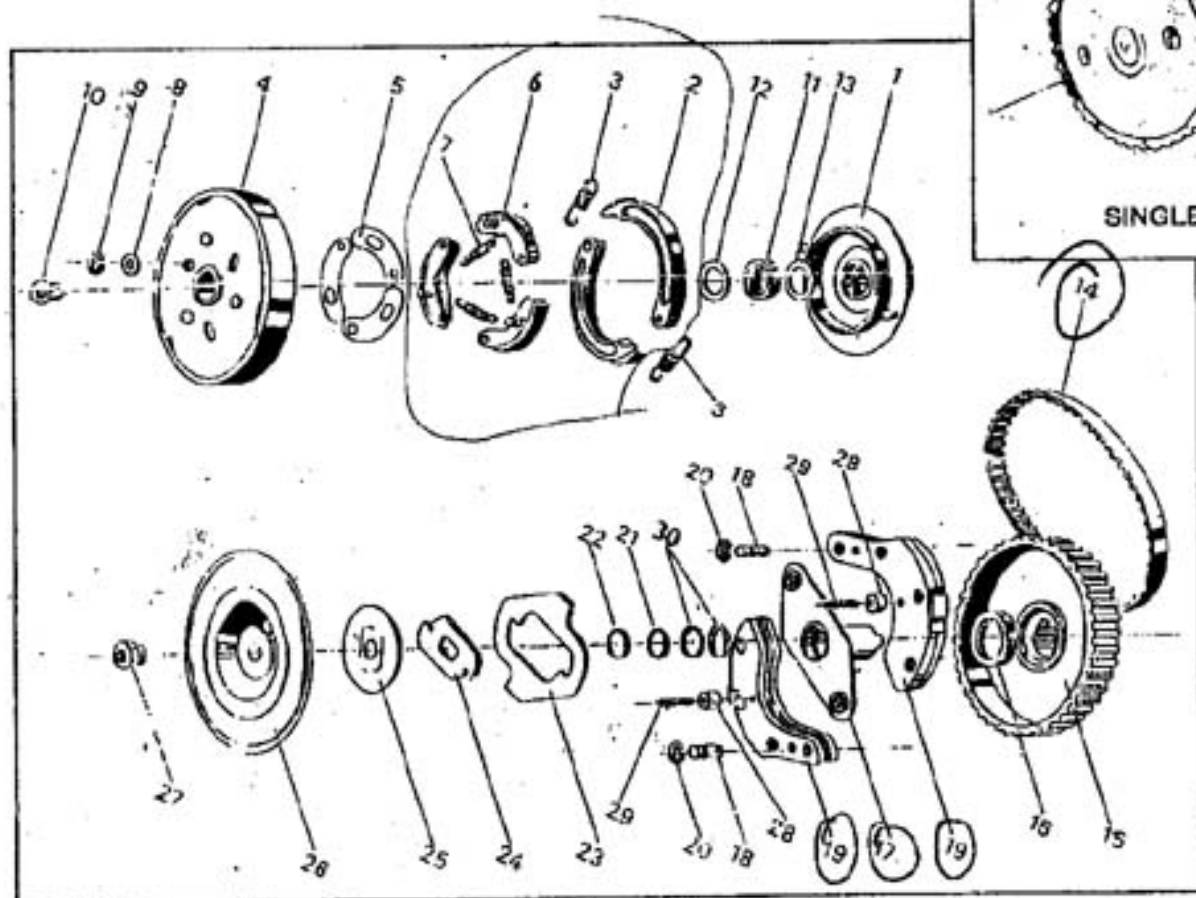


7. CLUTCH—(1/S 2/S)

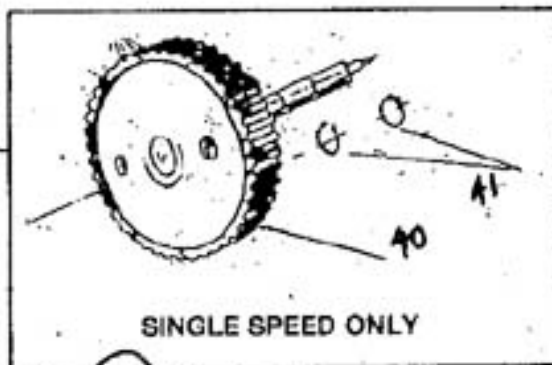
clutch falls out

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	224 21 013	Driving Drum	1	*17	226 21 042	Shifting Shoe Carrier	1
2	226 21 015	Starting Shoe Set	2	*18	226 21 091	Hinge Pin	2
3	315 116 127 170	Spring	2	*19	226 21 074	Second Gear Clutch Set	2
4	224 21 021	Starting Drum	1	*20	311 732 900 060 (34203)	Circlip 6	2
5	224 21 037	Leaf Spring	3	*21	273 111 010 104 (50012)	Sealing Ring 19 x 15	2
6	224 21 030	Driving Clutch Set	3	*22	224 21 056	Spacer	1
7	315 116 125 460 (224 21 033)	Spring	3	*23	226 21 093	Regulating Plate	1
8	224 21 038	Washer-Brass Coating	3	*24	226 21 094	Inner Driving Plate	1
9	311 732 900 050 (34200)	Locking Washer	3	*25	224 21 065	Thrust Plate	1
10	224 10 007	Nut	1	*26	210 10 018	Cover	1
11	50115	Sealing Ring 15 x 24 x 7	1	*27	311 120 319 100	Nut M 10 x 1.25	1
12	224 21 001	Washer	1	*28	226 21 092	Roller	2
13	224 21 003	Washer	1	*29	324 938 042 053	Needle 4 x 19.8	2
14	272 198 038 024	Primary Belt	1	*30	224 21 002	Washer	2
*15	226 21 061	Toothed Drum	1	40	215 22001	Drum	1
*16	273 521 007 617	Sealing Ring 28 x 38 x 7	1	41	34005	Circlip	2

*DO NOT USE FOR SINGLE SPEED MODEL



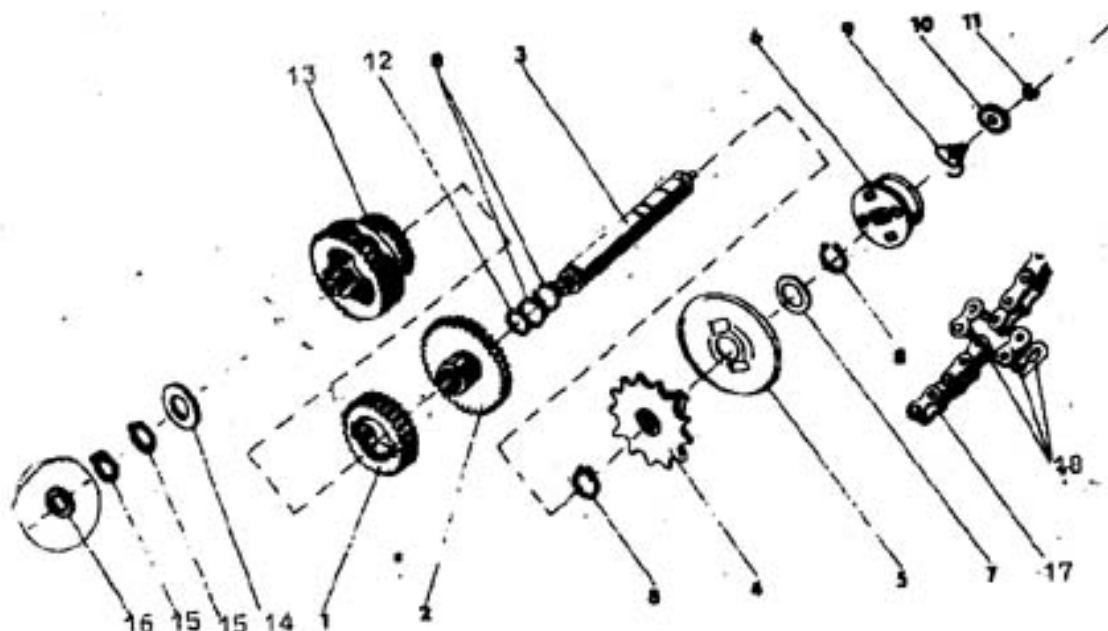
TWO SPEED



8. TRANSMISSION—(1/S, 2/S)

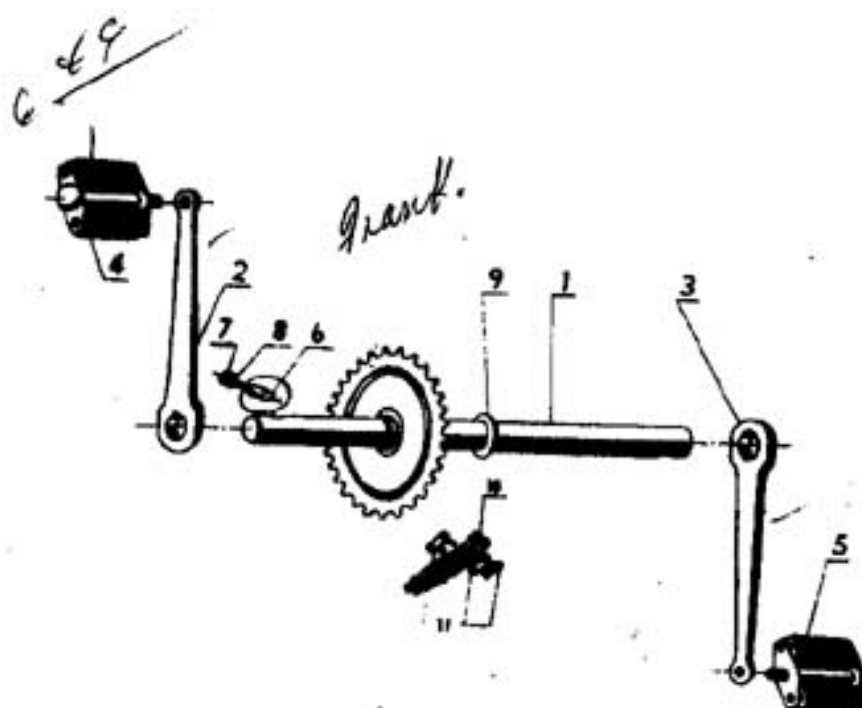
ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
*1	224 22 001	Driving gear	1	9	210 10 007	Spring	1
*2	224 22 002	Driving gear	1	10	210 10 013	Washer	1
*3	210 22 003	Mainshaft	1	11	34200	Circlip, 5	1
4	210 17 012	Sprocket 12T	1	*12	224 21 003	Friction washer	1
	210 10 012	Sprocket 13T	1	*13	210 22 005	Freewheel gear Assy.	1
	210 17 009	Sprocket 14T	1	*14	210 22 013	Washer	1
5	210 10 009	Cover plate	1	*15	34006	Circlip, 12	2
6	210 10 010	Carrier complete	1	*16	224 22 011	Washer	1
7	210 10 014	Washer	1	17	318 11 082 112	Chain, links	1
*8	34005	Circlip, 15	4	18	45005	Master Link	1

*DO NOT USE FOR SINGLE SPEED MODEL



9. PEDALS AND CHAINS—(1/S, 2/S)

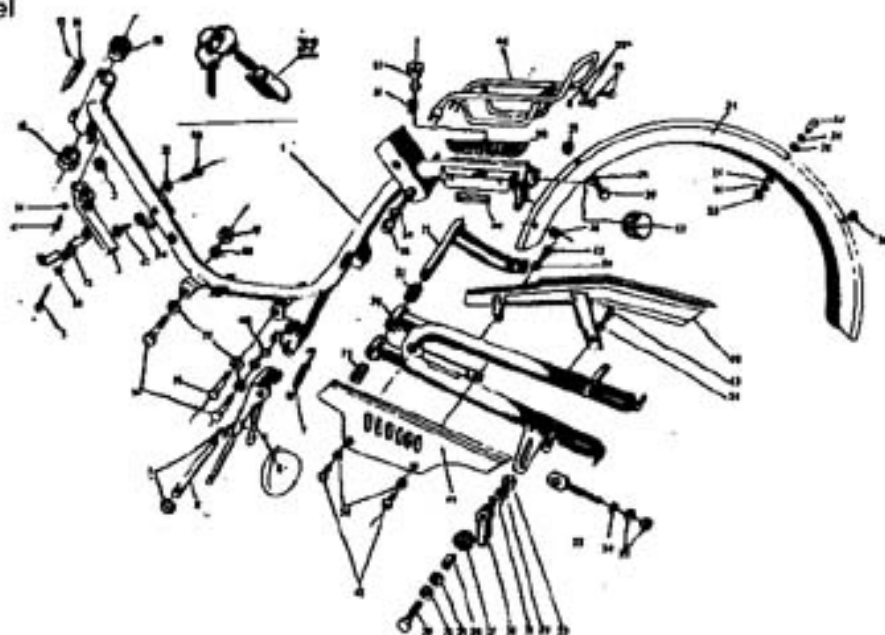
ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	210 25 010	Pedal Shaft	1	7	25103	Nut M8	2
2	28-2280	Pedal crank L.	1	8	27007	Washer 6.4	2
3	28-2259	Pedal crank R.	1	9	28-2288	Washer, 17	2
4	70090	Pedal L. H.	1	10	318 111 042 082	Chain 81 links	1
5	70091	Pedal R. H.	1	11	45008	Master Link	1
6	35922038	Crank pin	2				



10. FRAME—(1/S, 2/S)

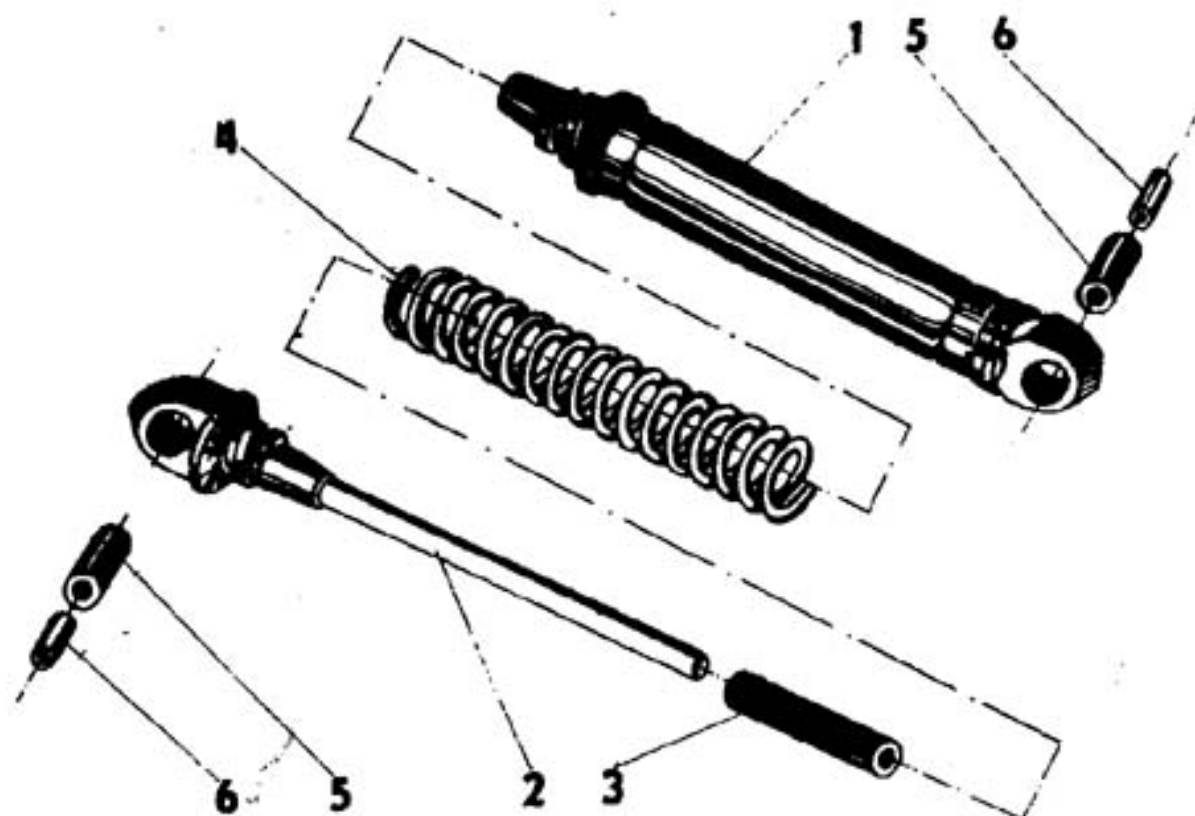
ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
*1	210 39 200	Frame w/rear swinging fork	1	30	309 203 206 030	Bolt M6 x 30	1
			1	31	27007	Washer, 6.4	7
2	207 39558	Intake silencer cover	1	32	27402	Washer, 6.1	3
3	207 07 550 (70105)	Filter	1	33	25103	Nut, M6	5
4	20225	Capscrew, M5 x 10	1	*34	210 39 010	Rear fender	1
5	20205	Capscrew, M5 x 40	1	35	210 00 025	Washer	3
6	210 37 050	Stand	1	36	273 121 010 080	Grommet 3.5 x 1	2
7	28 3032	Spring	1	37	70167	Lock	1
8	210 30 020	Stand hinge pin	1	38	20309	Screw, M5 x 12	2
9	34201	Lock ring, 7	2	39	21103	Screw, M6 x 12	1
10	359 31 011	Cup	2	40	210 03 000	Chainguard	1
11	207 07 368	ID plate	1	*41	210 03 010	Chainguard	1
**12	311 519 503 006	Nail 3 x 6	2	42	20225	Screw, M5 x 10	3
13	210 30 007	Cover retainer	1	43	309 146 000 514	Screw, M5 x 16	1
14	27401	Washer, 5.1	5	44	210 34 060	Luggage carrier	1
15	309 201 208 050	Bolt, M8 x 50	1	45	20330	Screw, M6 x 14	2
16	309 501 080 038	Bolt, M8 x 70	2	46	309 231 206 018	Screw, M6 x 18	2
17	27003	Washer, 8.4	3	47	309 231 000 511	Screw, M5 x 12	1
18	27403	Washer, 8.2	3	48	210 00 006	Fastening lug	1
19	25104	Nut, M8	3	49	210-3000	Decoration Label	2
20	210 32 001	Swing arm	1	50	210 71 017	Box cover	2
21	210 30 004	Exhaust silencer bracket	1	51	210 71 015	Spring	2
22	207 32 120	Bushing	2	52	210 71 016	Pin	2
23	207 08 301	Tensioning bolt	2	53	210 71 019	Plug	1
24	27007	Washer, 5.3	8	54	27206	Washer 8.4	
25	25101	Nut, M5	2	55	70125	Nut, M8	4
26	228 30 021	Guide	1	*56	210-300	Identification label	2
27	228 30 022	Roller	1	57	207 39 381	License Plate	1
28	28-3206	Bushing		58	62109	Insert (7 x 1)	1
29	207 30 111	Spacer	1	59	20157	Screw M6 x 14	1
				60	27402	Washer 6.1	1

*Specify Model



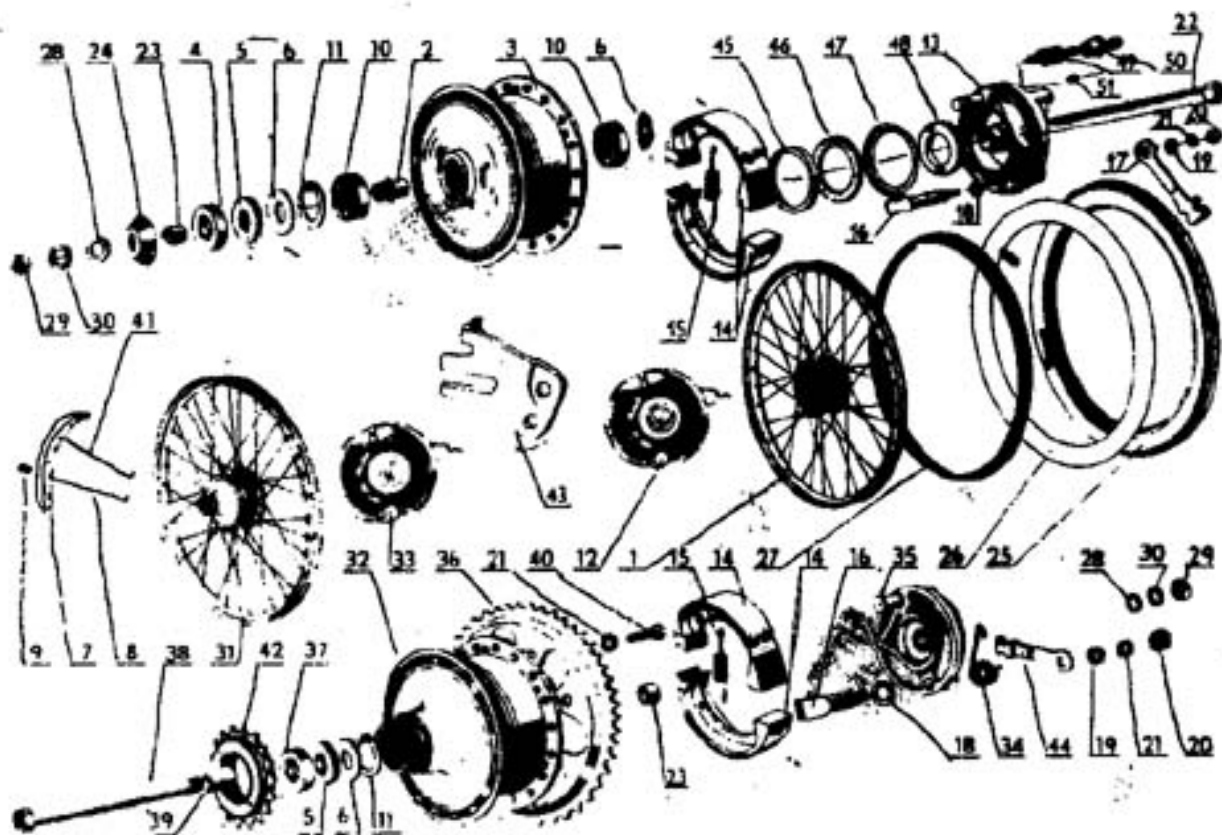
11. REAR SHOCK ABSORBERS—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
—	210 35 000	Rear shock assy.	2	3	207 35 112	Rubber stop	2
1	210 35 001	Bottom lug with sleeve assembly	2	4	210 35 018	Coil spring	2
2	210 35 009	Top lug with push rod	2	5	200 35 008	Inner bushing	4
				6	200 35 009	Spacer	4



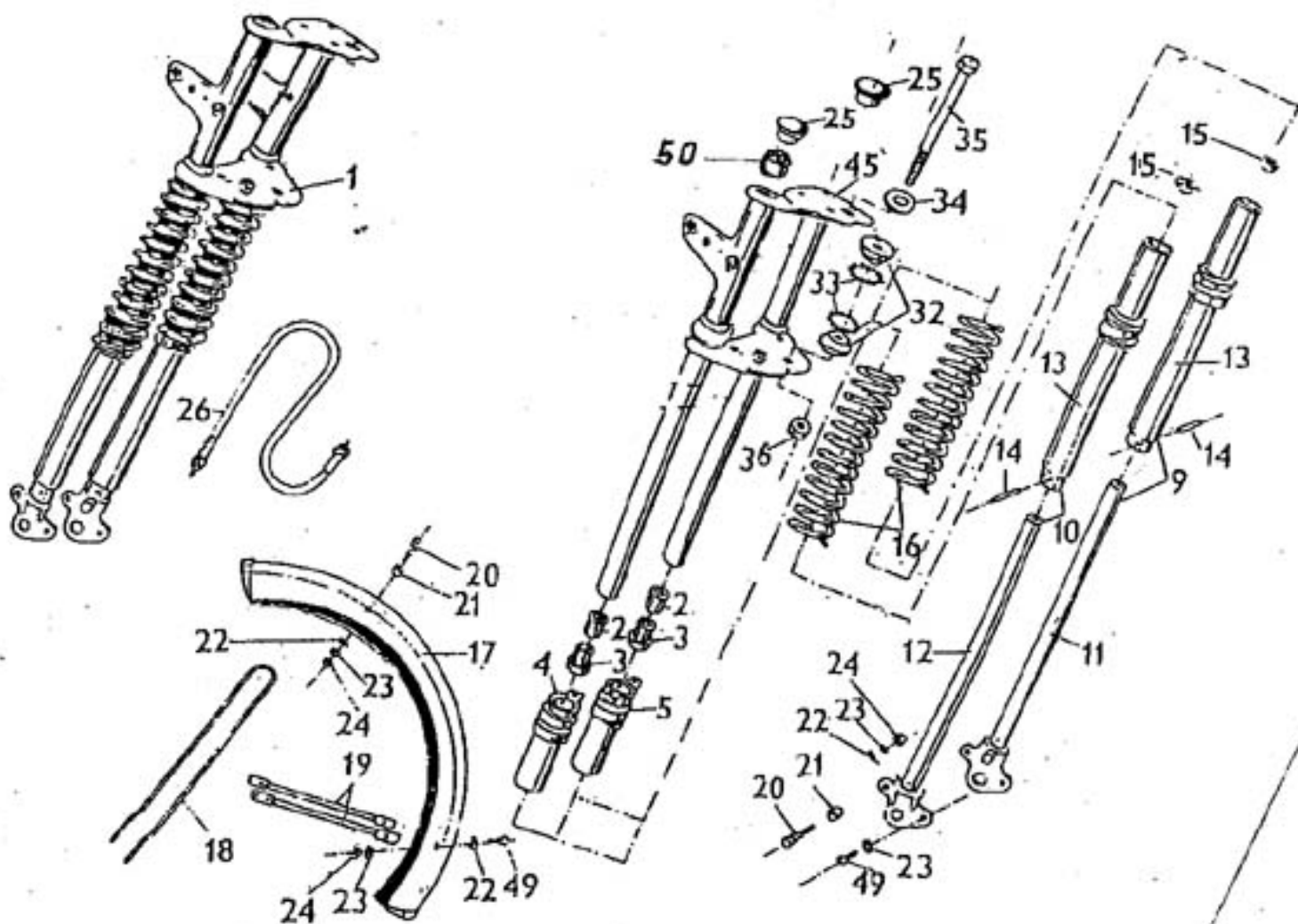
12. WHEELS—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	210 57 011	Front Wheel Assy.	1	28	27011	Washer, 13	2
2	228 51 002	Spacer	2	29	28101	Nut, M 12 x 1.5	2
3	210 51 003	Front Wheel hub	1	30	27405	Washer, 12.2	2
4	228 51 006	Packing ring cup	2	31	207 57 023	Rear wheel assembly	1
5	685 931 218 600	Packing ring	3	32	210 57 007	Rear wheel hub	1
6	228 51 008	Washer	3	33	210 56 009	Rear brake cover assy.	1
7	207 57 019	Rim, 2 1/4 x 16"	2	34	28-4073	Spring	1
8	074016	Spoke, M3 x 160	36	35	207 57 022	Rear brake cover only	1
9	25001	Spoke nut, M3	72	36	210 56 006	Chain wheel	1
10	43001	Bearing No. 6001	4	37	228 56 020	Packing ring cup	1
11	34104	Circlip 28	3	38	28-4094	Rear wheel axle	1
12	210 57 004	Front Cover Assy.	1	39	210 56 032	Spacer	1
13	210 57 005	Front cover only	1	40	21402	Screw, M6 x 14	8
14	28-4027	Brake shoe	4	41	207 51 002	Wire spoke, M3 x 100	36
15	228 51 021	Brake shoe spring	4	42	70040	Freewheel	1
16	228 51 022	Brake cam	2	43	210 56 025	Reaction stop plate	1
17	210 51 008	Brake lever	1	44	210 56 018	Rear brake lever	1
18	228 51 024	Washer, 10.2	2	45	228 57 015	Sleeve, R.H.	1
19	27007	Washer 5.4	2	46	685 931 001 700	Packing ring	1
20	25103	Nut, M6	2	47	228 57 016	Sleeve, L.H.	1
21	27402	Washer, 6.1	8	48	210 51 013	Internal driving gear of speedometer	1
22	28-4036	Front Axle	1	49	210 51 016	Driving gear of speedometer	1
23	28-4041	Distance ring	2	50	210 51 017	Speedometer bearing	1
24	228 51 028	Ring	1	51	309 283 700 510	Screw, M5 x 10	
25	55032	Tire, 2 1/4 x 16"	2				
26	55023	Tube, 2 1/4 x 16"	2				
27	55012	Flap, 16"	2				

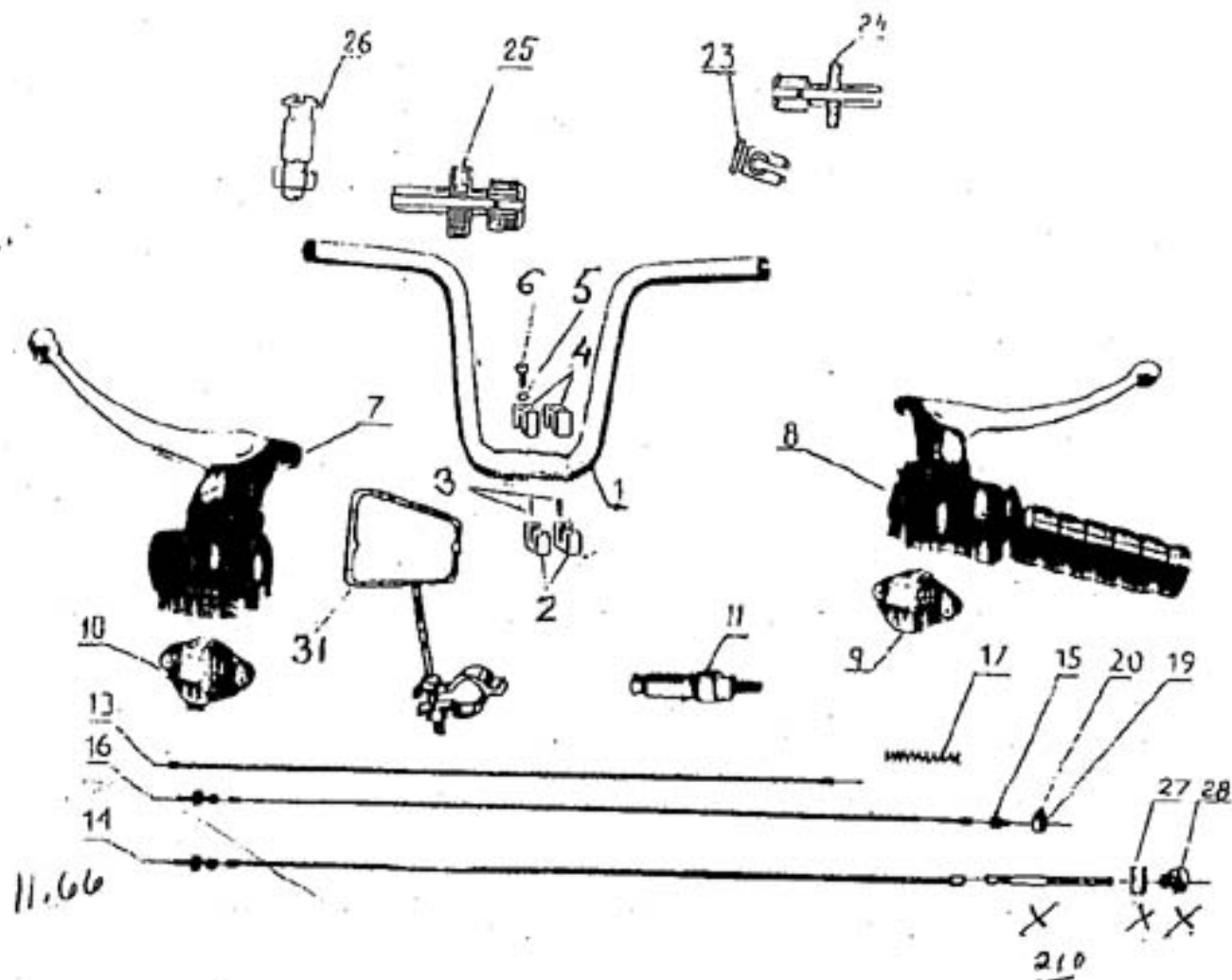


13. FRONT FORK—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	210 41 119	Front Fork-Complete	1	21	228 43 012	Cup	4
2	210 41 118	Upper bushing	2	22	311 210 211 053	Washer 5.3	13
3	210 41 119	Lower bushing	2	23	311 214 010 051	Washer 5.1	7
4	210 41 123	L.H. spring support	1	24	311 120 118 050	Nut M5	7
5	210 41 122	R.H. spring support	1	25	210 00 119	Plug	2
11	210 41 141	R.H. slider	1	26	207 57 302	Speedometer drive	1
12	210 41 127	L.H. slider	1	29	14002	Speedometer 48 mm	1
13	210 41 134	Slider's plastic cover	2	32	207 41 336	Race	2
14	311 515 605 028	Dowel pin 5 x 28	2	33	4003	Ball 5	42
15	210 41 136	Cushion	2	34	27011	Washer 12	1
16	315 116 167 190	Spring	2	35	207 41 337	Steering Bolt	1
47	210 48 001	Front Fender	1	36	26351	Nut M12	1
18	210 43 103	Upper reinforcement	1	45	210 47 120	Front fork	1
19	210 43 102	Lower reinforcement	1	49	309 246 180 510	Screw M 5 x 10	4
20	210 43 106	Attachment screw	1	50	N/A	Bushing	2

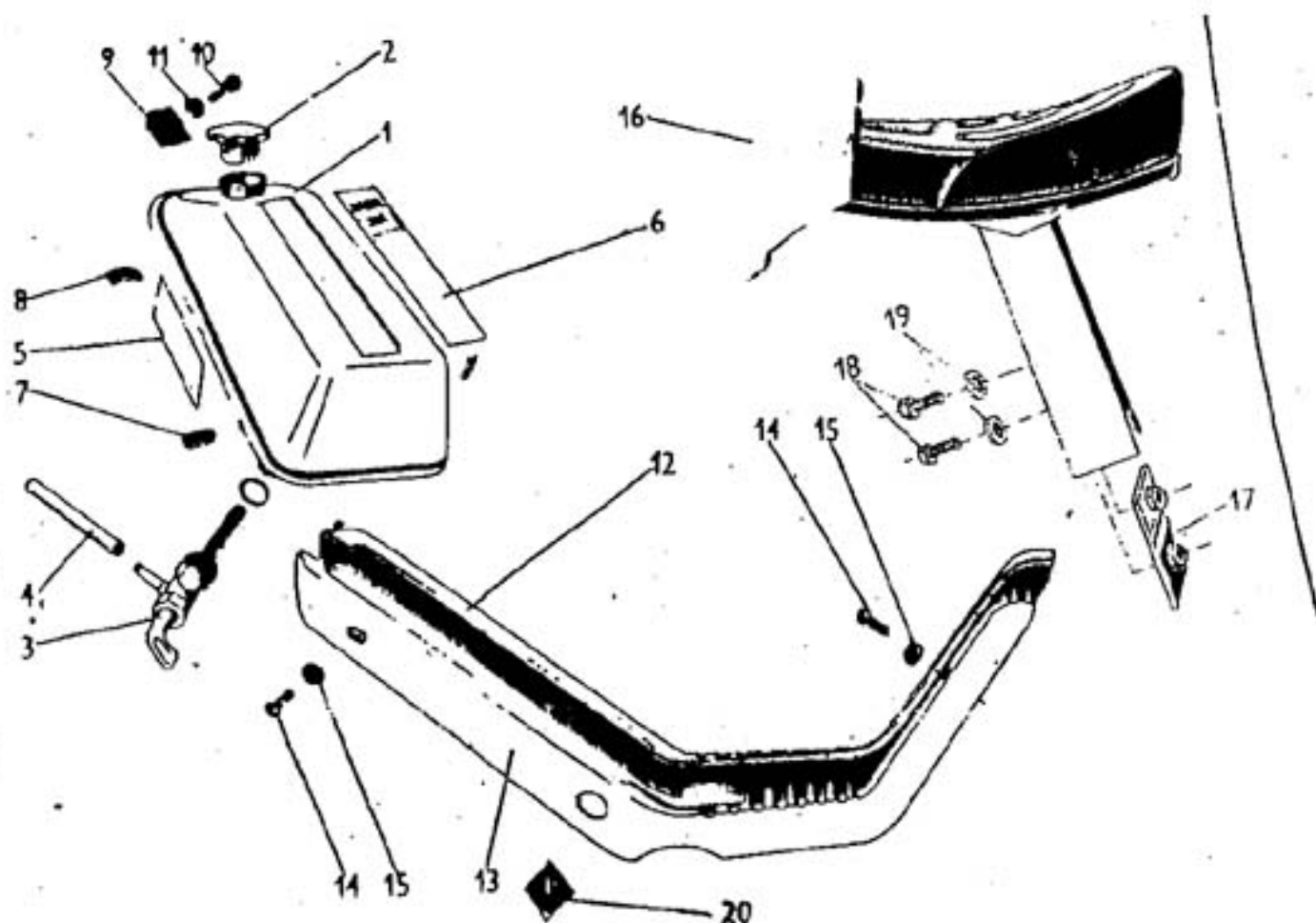


ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	210 47 209	Handlebar	1	16	210 47 022	Front brake cable	1
2	210 00 122	Bottom yoke	2	17	228 46 022	Coil spring	1
3	311 525 004 012	PIN 4 x 12	2	19	353 46 031	Adjustable end piece	1
4	210 00 123	Yoke	2	20	550 40 030	Screw	1
5	27007	Washer 5.4	4	23	70167	Cable holdfast	2
6	309 501 300 824	Screw M6 x 40	4	24	70163	Throttle cable adj screw	1
7	701586	Domino holder assy. L.H.	1	25	70168	Brake cable adj screw	4
8	70158	Twist grip assy. R.H.	1	26	70169	Brake Lever bolt	2
9	8194	Ign. kill switch CEV	1	27	200 37 022	Support	1
10	8193	Light & Horn switch	1	28	200 37 023	Nut	1
11	9343	Stop light switch CEV	2	29	309 203 206 025	Screw M6 x 25	4
13	210 47 023	Throttle cable	1	30	27402	Washer 6.4	4
14	210 47 025	Rear brake cable	1	31	443 332 365 965	Mirror	1
15	228 46 033	Cable stop piece	1				



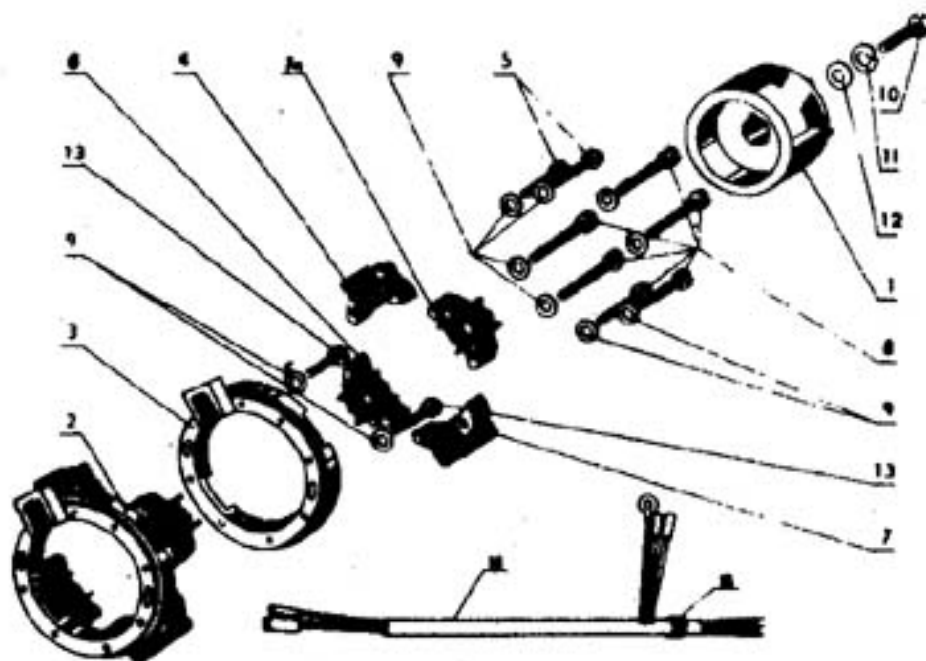
15. COVERS, FUEL TANK & SEAT—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
*1	210 38 001	Fuel tank	1	11	27402	Washer, 6.4	1
2	207 38 315	Fuel cap	1	12	210 71 005	Cover, R.H.	1
3	70118	Fuel tap	1	13	210 71 007	Cover, L.H.	1
4	283 362 405 000	Fuel hose 1 = 110	1	14	20309	Capscrew, M5 x 12	6
5	210 38 023	Label "Jawa"	2	15	27003	Washer, 5.3	6
6	210 39 017	Top sticker	1	16	210 77 018	Seat 130-230	1
7	210 38 020	Sleeve	2	17	210 00 018	Support	1
8	210 38 021	Support	1	18	309 503 180 814	Bolt M8 x 15	2
9	210 00 005	Fuel tank clip	1	19	27008	Washer 8.4	2
10	309 231 000 817	Screw, M6 x 22	1	20	210 71 010	Label-Fuel on-off	1
* PLEASE INDICATE COLOR NEEDED				21	210 09 027	Label Mix	1
				22	008 38 011	Fuel Hose Clip	2



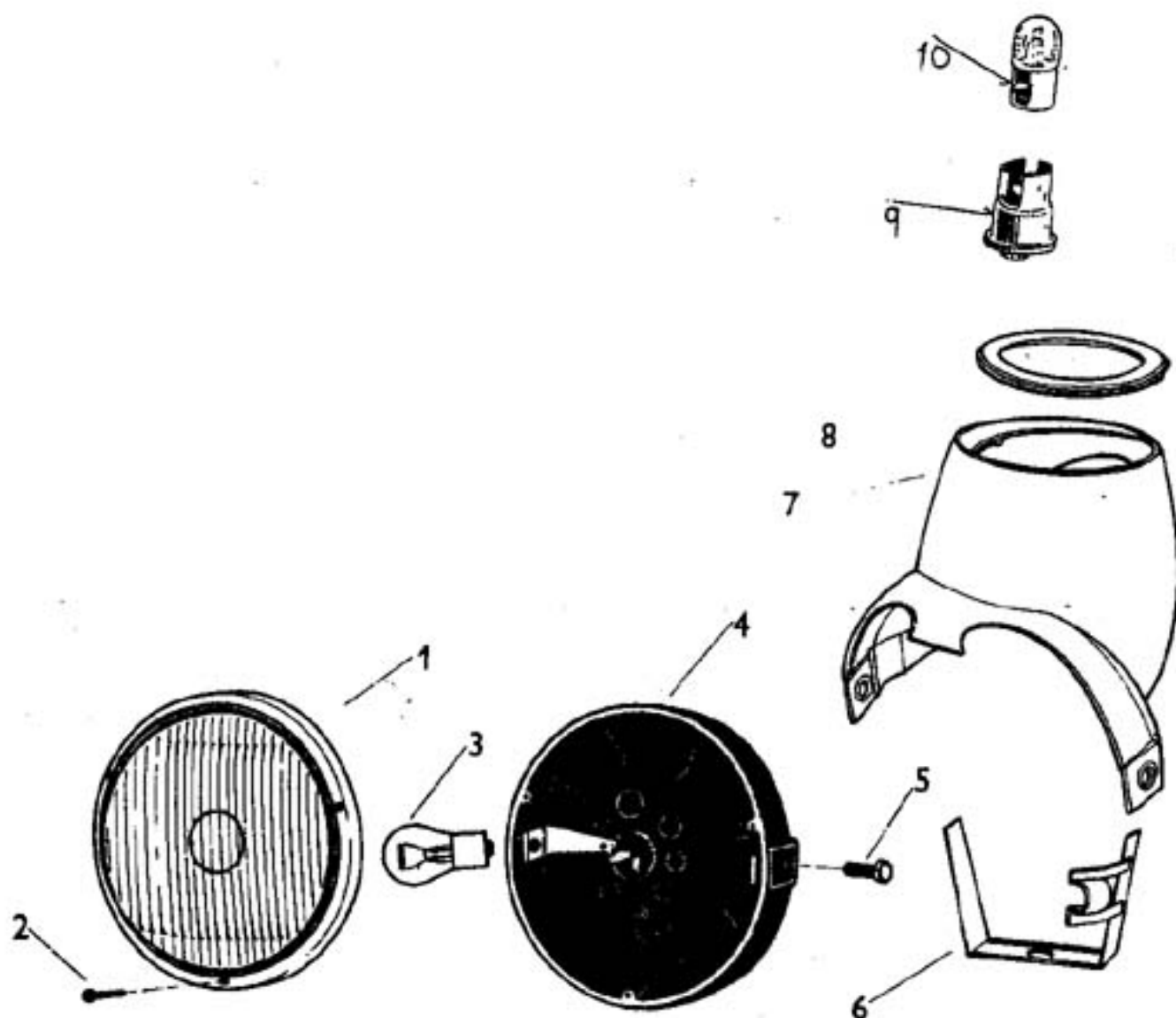
16. ALTERNATOR—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
—	207 61 170	Alternator Assy.	1	8	20202	Screw M4 x 30	6
1	226 61 002	Rotor	1	9	27400	Washer, 4.1	10
2	210 61 002	Stator Plate w/coil	1	10	20131	Screw, M5 x 25	1
3	210 61 004	Stator w/impulse coil	1	11	27401	Washer, 5.1	1
4	207 61 005	Field coil	1	12	27003	Washer, 5.3	1
5	20231	Screw, M4 x 14	2	13	20247	Screw, M4 x 22	2
6	226 61 153	Stop light coil	1	14	210 60 002	Harness	1
7	207 61 173	Lighting coil 11	1	15	150 49 005	Grommet	1
7a	207 61 172	Lighting coil 1	1				



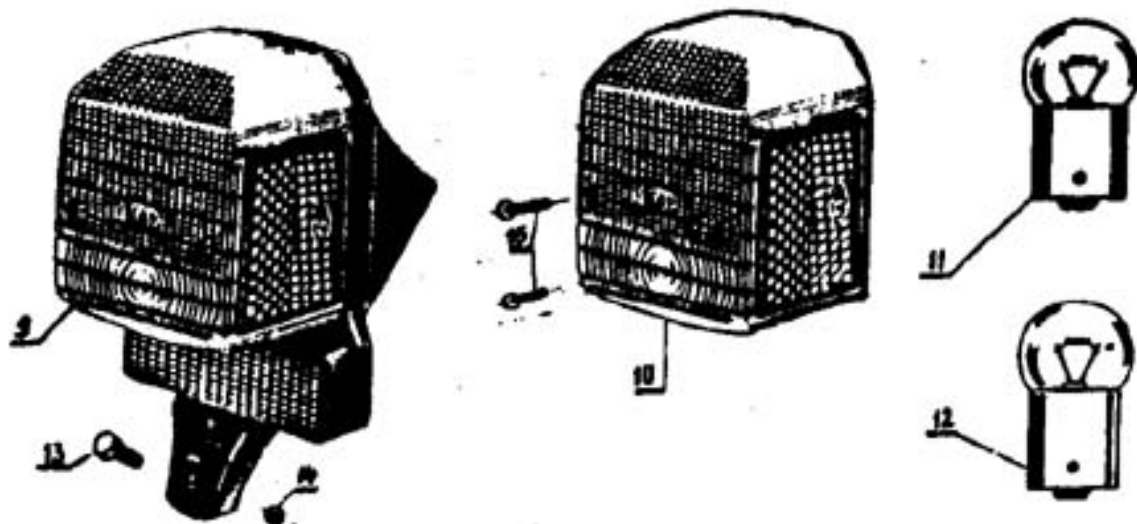
17. HEAD LAMP—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1, 2, 3, 4, 5	210 09 021	Headlamp complete (CEV 1211)	1	7	210 77 033	Instrument board	1
3	80510	Bulb 8V/21W	1	8	210 09 023	Plastic ring	1
6	210 09 022	Speedometer holder	1	9	207 57 000	Bulb holder	1
				10	62102	Bulb 8V/2W	1



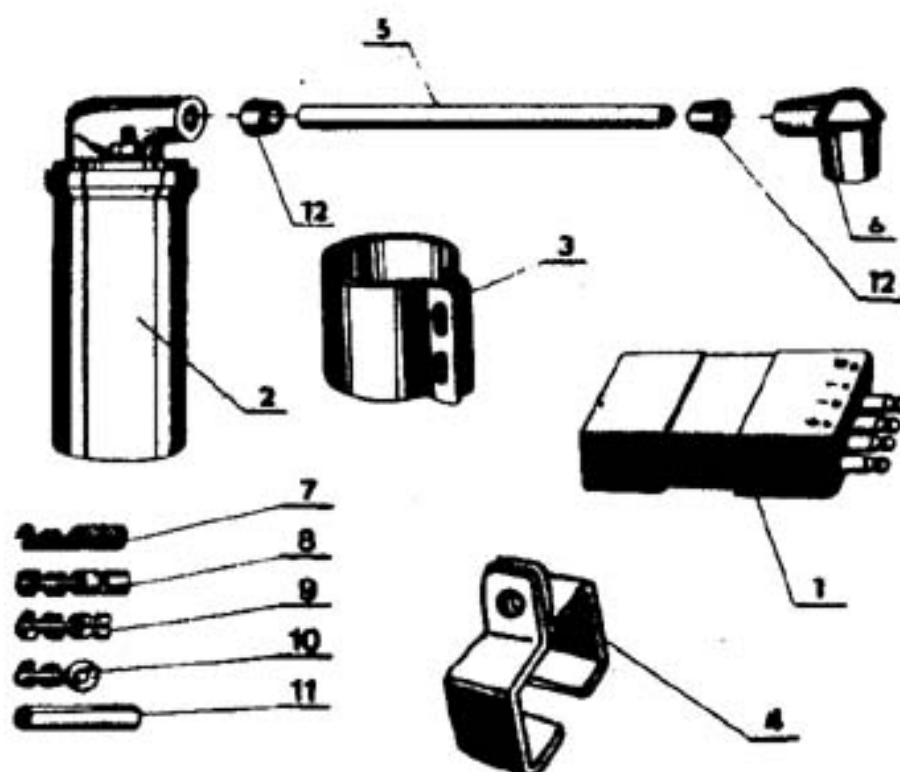
18. STOP & TAIL LAMP—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
9	94170	Taillamp Assembly	1	13	21103	Screw, M6 x 15	2
10	94175	Lens	1	14	25103	Nut, M6	2
11	60508	Bulb 6V-5W	1	15	94180	Screw	2
12	60509	Bulb 6V-10W	1				



19. IGNITION AND WIRES—(1/S, 2/S)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	207 66 002	Electronic Unit	1	7	443 858 000 012	Connector	6
2	443 212 210 800	Ignition Coil	1	8	443 858 006 002	Connector	2
3	443 930 220 580	Coil Holder	1	9	443 858 006 032	Connector	3
4	210 66 016	Bracket	1	10	359 60 122	Cable Eye	1
5	210 60 093	High Tension Wire	1	11	228 60 015	Insulating Tube	6
6	62069	Cup	1	12	62038	Protecting Cover	1



20. PARTS SUPPLEMENT—(210 Sport Only)

ITEM	PART NUMBER	DESCRIPTION	PCS	ITEM	PART NUMBER	DESCRIPTION	PCS
1	210-39-088	Gas tank	1	8	210-39-082	Hose L-170mm	1
2	210-39-095	Jawa label L.H.	1	9	210-39-091	Fuel hose L-400 mm	1
2a	210-39-094	Jawa label R.H.	1	10	210-77-035	Seat	1
3	70154	Gas cap complete	1	11	25103	Nut M6	2
4	70151	Rubber block	2	12	21103	Screw	2
5	210-07-086	Rubber washer	1	13	210-39-090	Carrier	1
6	70155	Fuel Tap	1	14	223-36-000	Tool box	1
7	N/A	Fuel tap gasket	1	15	210-77-034	Plastic cover	1
				18	008-38-011	Clip	2

