OPERATING INSTRUCTIONS AND PARTS LIST FOR



MOTOR SCOOTER

MODEL NUMBER 788.94370

This is the Model Number of your Allstate Motor Scooter. It will be found on a plate fastened to the chassis under the fuel cock. Always mention this number when communicating with us regarding the Scooter, or when ordering repair parts.

HOW TO ORDER REPAIR PARTS

All parts listed herein may be ordered through any Sears retail or mail order store. In ordering parts by mail from the mail order store which serves the territory in which you live, Selling Prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- 1. The Part Number in this List.
- 2. The Part Name in this List.
- 3. The Model Number of the item.

This list is valuable. It will assure your being able to obtain proper parts service at all times. We suggest you keep it with other valuable papers.

SEARS, ROEBUCK AND CO





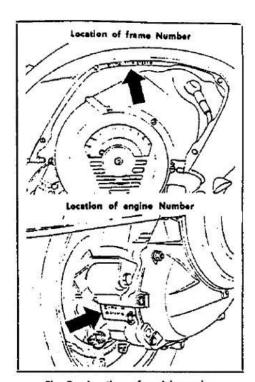


Fig. 2 - Location of serial number Serial numbers are preceded by prefixes: VMA 1 T, for frame; VMA 1 M, for engine.

WARNING

order to keep your scooter in perfect running condion and not to void the guarantee, always have your tachine repaired at a Seras, Roebuck and Co. Store. pecial care should be taken with regard to the fuel tixture which should be regular gasoline and oil of the make, grade and in the amount prescribed in this poklet. Ethyl' gasoline should never be used.

Do not use Allstate compounded motor oil or other Praemium Heavy Duty Oil with detergents.

The inexperienced operator should exercise caution in applying front wheel brake, to avoid locking.

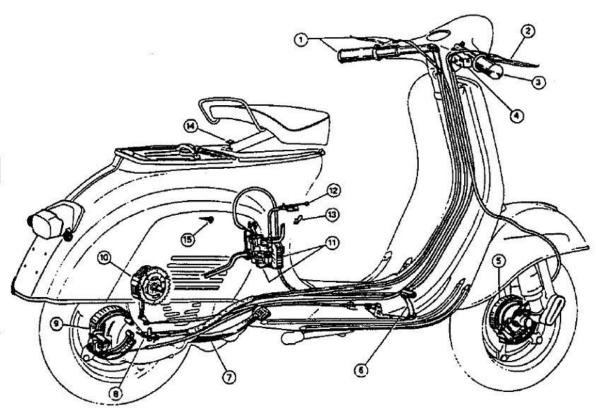


Fig. 3 - Controls of Sears Scooter

1. Gear change twistgrip with clutch control lever - 2. Front brake lever - 3. Throttle control grip - 4. Light and dimmer switch - 5. Front brake jaws. - 6. Rear brake pedal - 7. Kickstarter - 8. Gear selector - 9. Rear brake jaws. - 10. Clutch - 11. Carburetor, air cleaner - 12. Starter push pull rod - 13. fuel cock - 14. Knob 60 decisio leving second die - 15. Lever for removing engine flap.

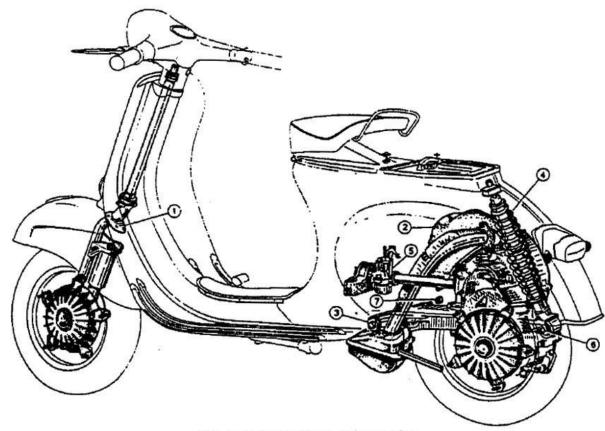


Fig. 4 - Engine Installation and suspension

1. Steering column and front suspension - 2. Engine - 3. Crankcase half, clutch side, with swinging arm - 4. Rear suspension spring with hydraulic damper. - 5. Screw securing carburettor - 6. Bolt securing rear damper - 7. Bolt securing engine.

MAIN SPECIFICATIONS

Fuel consumption	:										
(Gasoline - oil mi	xti	ure)						118	n	niles pe	r gal.
Max. speed .										49.7	m.p.h.
Wheel base	- 6								•	45.7	in.
Max. width on h	an	dlel	bars							26.4	in.
Max. length of th	10	sco	oter							65	in.
Max. height										40	in.
Min. height of f	loc	orbo	ard							8.9	in.
Turning circle .										65	in.
Weight (unladen)	:			•	•	٠	•			160	lbs.

Frame. - Of pressed and spot-welded steel sheet, with stream - lined monocoque - type structure.

Suspension. Both front and rear wheels: coil spring and hydraulic shock absorber.

Engine. - Two-stroke, flat cast iron cylinder and cast aluminium alloy cylinder head. Cooling effected by centrifugal fan which is embodied in the flywheel of the magneto.

Displac	err	ent								121.17 cc. (7.39 cu.in)
Bore										55 mm. (2.10 in.)
Stroke									٠	51 mm. (2.01 in.)
Effectiv	e	pov	ver	at	4	500	1	pm		4.8 HP
Compre										

Transmission. - Directly from engine to rear wheel through clutch, cushion drive and gear box.

Starting. - By means of kickstarter, right hand side of scooter.

Gear box. - 4 - speed drive with mesh gears in oil bath.

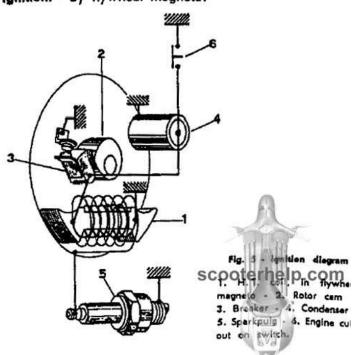
Its two - cable control is coupled with that of the clutch,

on left hand side of handlebars.

Engine to wheel transmission ratios:

First .			14.74	to	1
Second			9.80	to	1
Third .			7.06	to	1
Fourth		1960	5.31	to	1

Clutch. - Wet type; multiplate, on the layshaft. Ignition. - By flywheel magneto.



in the normal position. The key can be extracted from the lock even if the handlebars are free.

Do not lubricate the steering lock.

Central Stand. - A two-legged stand is arranged under the floorboard. A strong return spring holds it in contact with the floorboard and keeps it from vibrating while the scooter is being ridden.

Tool Kit. - 1 box wrench (11-17-21 mm.); 2 single

open-ended wrench (7-8 mm.); I screw-driver. The hand tools are contained in a roll which is placed the tool box.

Speedometer. - The speedometer has its housing the middle of the handlebars and adds to the performance and appearance of the scooter.

Accessories (See specific Table of « Parts List »). - On a quest the Sears scooter can be equipped with the spa wheel and bracket, and rear pillion seat.

ELECTRIC WIRING DIAGRAM

Note - The installation diagram here carried out and the position of the various units correspond to those which are really mounted on the vehicle.

Going into details (see figure), there is to notice:

- front side: headlamp, main switch and horn units.
- in the middle, bottom: the brake pedal joined with the Stop switch; furthermore the L. T. socket, the sparking plug, the flywheel magneto.
- rear side: tail lamp provided with two bulbs.

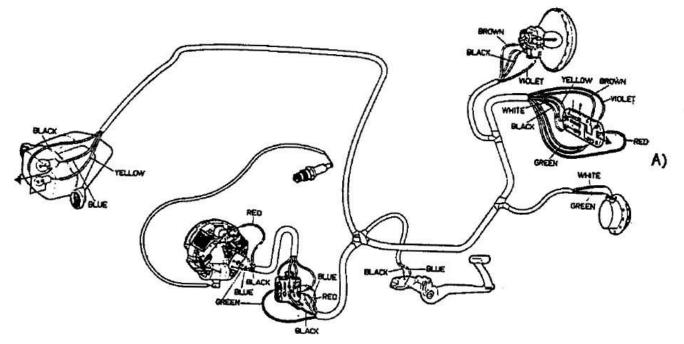


Fig. 8 - Scheme of Electric Wiring

A) Installation diagram - B) Electric scheme

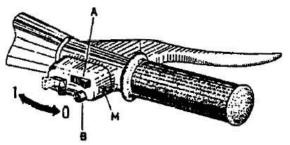
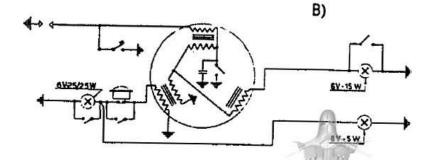


Fig. 9 - Light and dip switch

Switching lever positions:

0 - Lights off - 1 - Head lamp and tail on.

Other controls: M: Engine cut - A: Lever for country and traffic beam - B: Horn button.



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OPERATION

Fuel supply. - Fuel mixture, both during and after running in, should be composed of regular gasoline and pure mineral oil SAE 30 at 2%, i. e.:

— ¼ pint of oil to 1½ gallons of gasoline.

When using pre-diluted or additive oils, or oils for out-board motors, mix 1/4 pint of oil per gal.

Keep the breather of filling cap clean.

Oil level. - Remove the level screw, on crankcase, marked a OLIO » as indicated on Fig. 20, to check oil level in gear box before starting the engine.

The scooter standing upright, pil should just be about to flow out; otherwise top up with ALLSTATE REGULAR S. A. E. 30.

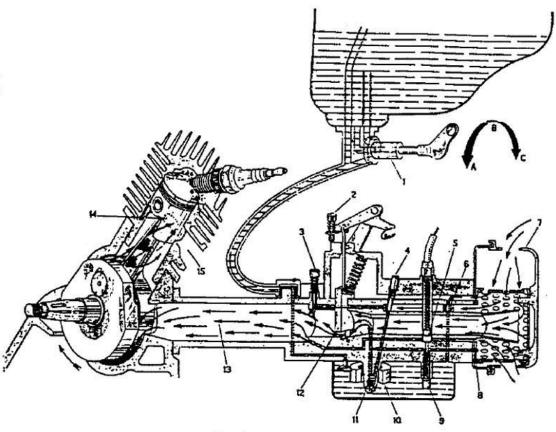


Fig. 10 - Feeding circuit

1. Fuel cock lever: A) Reserve, B) Open, C) Closed - 2. Throttle slide set screw - 3. Idling adjuster - 4. Idling jet - 5. Starter valve - 6. Air vent for idling jet - 7. Air cleaner - 8. Air vent for main jet - 9. Starter jet - 10. Float - 11. Main jet - 12. Throttle slide - 13. Inlet port - 14. Transfer ports - 15. Exhaust duct.

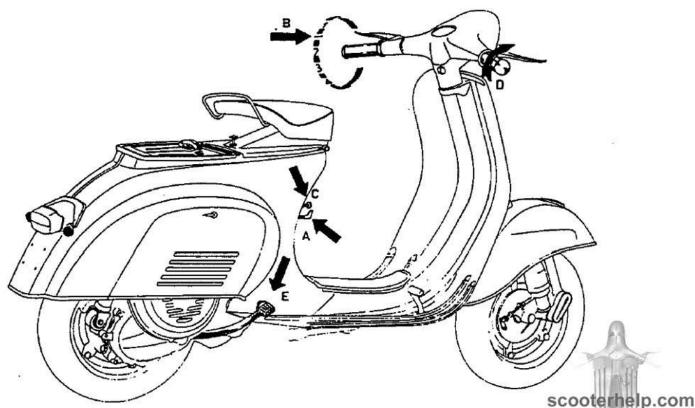


Fig. 11 - Operations to carry out for starting the engine

position - E: depress the kickstarter and turn grip « D » by short strokes.

Running - in. - Important rules to be followed while running - in (600 miles):

- Do not insist by fully opening out the throttle.
- Change oil in the gear box and check that nuts and bolts are not slack after the first 600 miles.

Starting. - Open the fuel valve, put the gear box in neutral and slightly open the throttle in slow running position, kick the starting lever.

With cold engine, operate starter push pull rod. Push said rod back as soon as the engine fires.

See Fig. 10; note the three positions of the fuel valve: open, closed, reserve.

Caution, - Do not open throttle wide when releasing clutch.

In case of starting troubles, due to engine being flooded (unvaporized fuel mixture has reached the cylinder and combustion becomes therefore very difficult), proceed according to either one of the following methods:

- a) Push-start the scooter: shift into second gear, declutch and push the machine; quickly release the clutch lever and pull it back as soon as the engine starts.
- b) Close the fuel cock, remove the spark plug and rotate the engine by means of the kickstarter. Wipe the plug dry and replace. Open the fuel cock and kick the starting lever.

For access to the engine and remove the spark-plug, rotate the lever fig. 3 - n. 14, then take off the engine flap.

Extract the spark-plug, using the box wrench.

Setting the machine in motion. - Let the engine idle, depress the clutch and turn the gear change twistgrip so that the line engraved on it coincides with the figure 1 > (1st gear) engraved on handlebars (see Fig. 12). Now let in the clutch gently, while opening the throttle gradually to set the machine in motion.

Gear change. - On attaining the required speed in 1st gear, quickly close the throttle, release the clutch and turn the gear change twistgrip so that the engraved line coincides with figure < 2 > (2nd gear); let in the clutch and open the throttle.

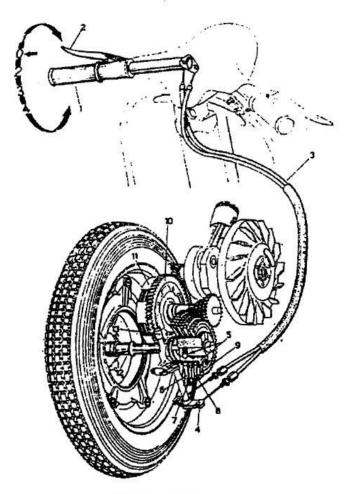


Fig. 12 - Drive system

Gear change twistgrip - 2. Clutch control lever - 3. Gear change control cables - 4. Gear shifter - 5. Selector group - 6. 1st gear - 7. 2nd gear - 8. 3rd gear - 9. 4th gear - 10. Cush gear - 11. Clutch - 12. Mainshaft - 13. Stirrup for gear change.

N. B. - Position 1 - 2 - 3 - 4 of the gear change twistgrip correspond to 1st, 2nd, 3rd and 4th gear respectively; < 0 > indicates the neutral position.

Repeat this procedure for changing into 3rd and 4tl gear and for changing down.

See the drive system on Fig. 12.

When you reduce the speed of your machine, chang down without delary to avoid irregular engine runnin and stalling at low revs.

Do not turn the gear change twistgrip while the engiis not running.

As soon as gear change troubles arise, particularly wh the control becomes hard, customers should have th machines adjusted by a Sears Store.

Slow running adjustment. - No hand tool is required this job. Pivot the seat forwards, sremoves the applicam idling revs can be raised or reduced respectively

simply tightening or slackening the adjuster screw « A » fig. 13 (i. e., n. 2, Fig. 10). This screw controls the throttle slide valve.

On the carburettor body is a spring-loaded screw (« C » fig. 13, i. e., n. 3 fig. 10) that controls the flow of car-

burettor air through the duct from the idling jet, and consequently the idling revs. We recommend that customers refrain from re-setting this screw (and the set screw « B », fig. 13, provided for adjusting the throttle cable play) unless absolutely necessary or during dismantling and re-asembling operations that should, anyway, be entrusted to a Sears Store.

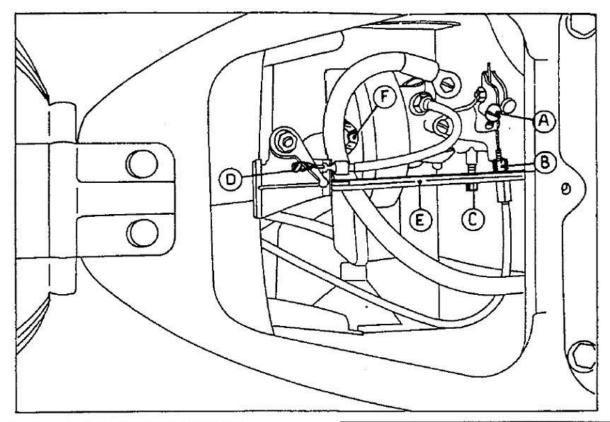


Fig. 13 - Access to carburettor and air cleaner assy.

Stopping the engine. Select in a neutral way, then push the earthing button. This will leave the cylinder full of fuel vapours, and the next start will be much easier.

Tires. - The wheels are interchangeable, i. e., they can be assembled either in front or rear, provided of course that they are inflated to pressures respectively hereunder prescribed.

When a flat tire is to be replaced, unscrew the five nuts which secure the wheel to its flange, pull wheel sideways off the studs (see Fig. 14), repair it or replace with spare wheel.

To remove the tube, first deflate, then separate the wheel rims by unscrewing the nuts which join them (see Fig. 15).

Tire pressure should be 22,5 ÷ 23,5 psi on rear wheel, 17 ÷ 18 psi on front wheel. If the scooter is ordinarily ridden by both driver and passenger, the pressure of the rear tire should be 33 ÷ 35,5 psi.

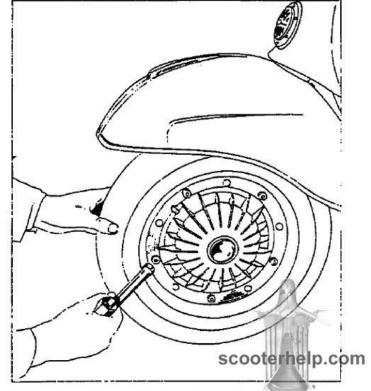


Fig. 14 - Dismantling the (front) wheel

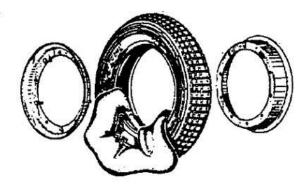


Fig. 15 - Removing the inner tube

Brake adjustment. - Brakes are properly adjusted if:

- the wheel rotates freely when respectively control lever or pedal are in resting position;
- the braking action starts as soon as respective controls are operated.

These conditions are achieved adjusting the cables by means of screws indicated with an arrow in Fig. 16.

Adjustment of clutch control. - Adjustment of clutch controls is achieved operating on adjusting nut (a), screwed to the engine stirrup (see Fig. 17).

The cable is to be tensioned or loosened, as the case may be so that control lever, on handlebars, makes a stroke of 2 mm. (0.078") before lever (b), on engine starts moving.

Wrong play in the control may cause the clutch plates burning out even in normal running conditions.

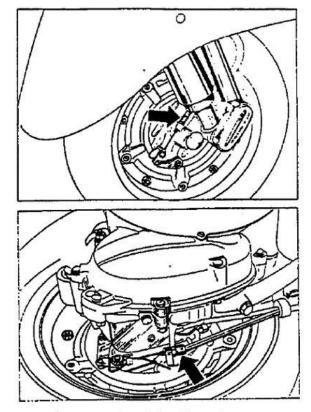


Fig. 16 - Brake adjustment

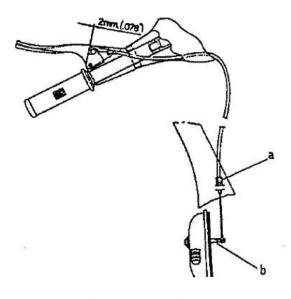


Fig. 17 · Adjustment of clutch control

MAINTENANCE

Cleaning the scooter. - Brushing kerosene and wiping dry clean rags is advisable for external cleaning of engine.

All painted surfaces should be washed with water, rinsed by means of a sponge and wiped dry with a chamois. Do not use kerosene on such surfaces, since it damages paint and turns it dull.

If necessary, blow the head lamp reflector clean or wipe off dust with a very soft feather. Do not use a cloth and keep your fingers off reflector surfaces.

Before setting the machine in motion, (if it has been delivered directly to the customer by the Factory) check oil level in gear box by unscrewing the level screw marked « OLIO » from the crankcase (see Fig. 20). The scooter standing upright, oil should just be about to flow out.

After the first 600 miles. - Replace oil in the gear box by the procedure as explained in the lubrication chart, page 12. The crankcase can be drained through the note indicated in Fig. 20.

Every 2.500 miles:

Check oil level in the gear box (see on pages 10-12).

Grease all joints on the brake controls and the gear shifter.

Clean the sparkplug electrodes with very fine emery cloth or suitable files, and adjust the gap to 0.6 mm. (0.023").

Inspect the insulation material of sparkplug; replace the latter if the porcelain is cracked. Wash with neat gasoline.

Use the sparkplug type Marelli CW 240 N; Bosch W 240 T1; Champion L 86; AC 42 F.

Important: using the proper type of sparkplug will eliminate many engine troubles.

Pivot the seat forwards, remove the tool box and the choke control cable, then dismount the fuel tap rod (fig. 13, D - E); next unscrew the wing - nuts «F» (fig. 13) and remove air cleaner. Extract the filter, wash in gasoline and if possible air blast dry.

Remove the rubber plug of front suspension and refill with greese the concerning housing.

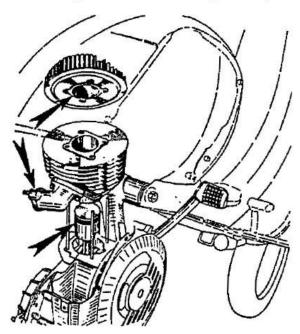


Fig. 18 - Cleaning the cylinder head, cylinder and piston

Clean the breaker points.

In order to avoid ignition troubles or abnormal running, have the breaker points adjusted in a Sears store; the gap should not be more than 0.011" - 0.019" (see Fig. 19) and the points should begin to open when the current in the primary ignition circuit has attained its peak value.

Grease the control cables.

In such a case, cleaning the scooter throughly is advisable.

With engine not running remove the spark-plug, next introduce 10 ÷ 15 cc. of Allstate - Regular Oil SAE 30 or Allstate Outboard Motor Oil through the threaded hole of the latter.

- 6) Clean the lubricators on front wheel hub and refill them by means of a grease gun.
 - N. B. All operations indicated hereunder should be carried out by a SEARS store.
- 7) Lubricate the speedometer drive pinion and flex drive.
- Decarbonize the engine as explained hereunder. Remove the carburettor (screw n. 5, fig. 4), the rear wheel, the muffler, release the rear damper unit (n. 6, fig. 4), then rotate the engine downwards: remove the cooling hood, the cylinder head and the cylinder (see Fig. 18). Decarbonize the piston crown and the cylinder ports from all carbon deposits. Decarbonize the inner side of the cylinder head. Carefully clear the cylinder carbon deposits. Heat the exhaust pipe of the muffler and clean it either by scraping internally with a hooked wire or blowing air through from the other orifice; in both cases the muffler should be held so that the exhaust pipe is turned downwards.

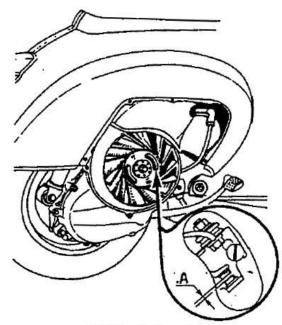


Fig. 19 - Breaker points A) Max. gap of breaker points < A > should be 0.011" - 0.019"

Every 5.000 miles:

- Change the oil in the gear box, as stated on page 12.
- 4) Grease the felt wich lubricates the cam of flywheel magneto (by a Sears Store).

In case of shock-absorber troubles, overhaul or simply clean the assembly and change oil.

These operations should be carried out by your SEARS store.

Disuse:

Then operate the kickstarter three or four times.

- 3) Rest the floorboard on two wooden blocks in order to take the weight off the tyres. scooterhelp.com
- 4) Drain all fuel from both tank and carburetton
- 5) Grease all unpainted metal parts.



LUBRICATION CHART

PART TO BE LUBRICATED	OPERATION	TIME	Non - detergent SAE 30 MOTOR OIL	
Engine .	Mix gasoline with the following amount of lubricating oil: — ½ pint of oil to 1½ gall, of gasoline. N. B With pre-diluted or additive oils, mix ½ pint of oil to each gallon of gasoline.	At each refilling of the fuel tank.		
Gear Box	Warm up the engine and drain off oil. Pour some fresh oil in and run the engine for a few seconds. Flush and refill with new oil (about 8.5 oz.). Refill with new oil to oil level hole.	After the first 600 miles and every 5000 miles. Every 5000 miles.	Allstate Regular SAE 30,	
Front wheel hub Speedometer flex drive and pinion Lubricate with grease gun.		Every 2500 miles.	High Pressure Chassis.	
Joints on brake controls	Grease.	Every 2500 miles.	Allstate all - purpose Gear Lubricator SAE 140.	
Ratchet quadrant of gear shifter		Every 2500 miles.	Allstate all - purpose . Gear Lubricator SAE 140.	
Control cables Clean and lubricate.		Every 5000 miles.	Alistate all - purpose Gear Lubricator SAE 140.	
Felt of flywheel	Small spot of grease on the felt.	Every 5000 miles.	Alistate Bearing Grease.	
Shock-absorbers	Change oil.	Only when the shock - absorber is out of order.	Allstate Shock Absorber Fluid.	

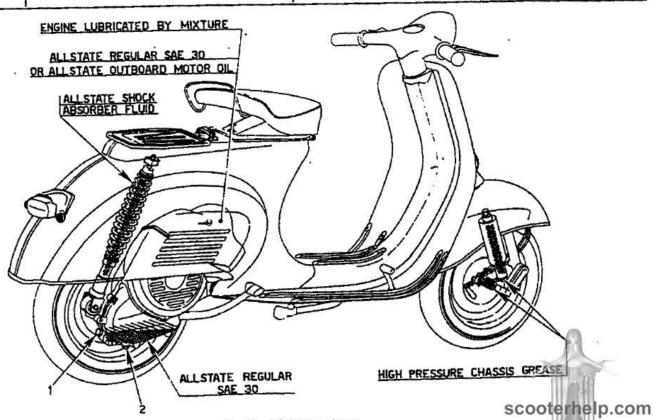
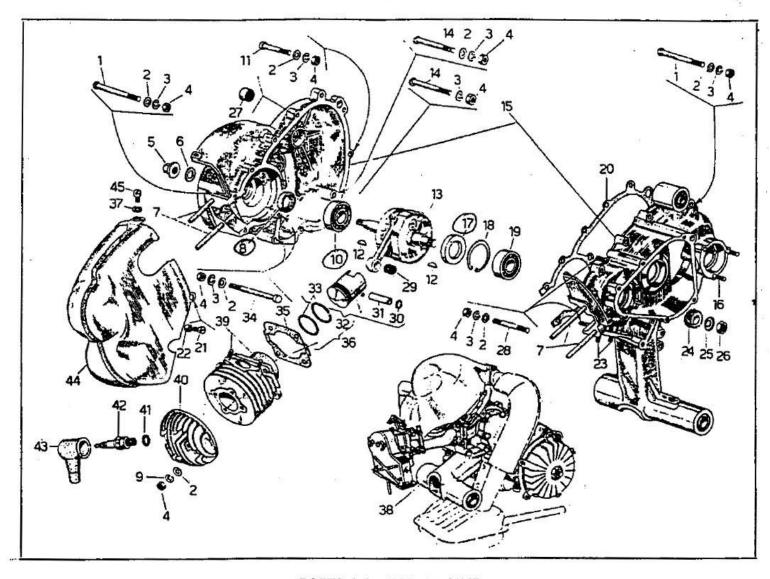


Fig. 20 - Lubrication scheme 1. Filling hole - 2. Draining hole

LOCATING TROUBLES AND RUNNING IRREGULARITIES

Carry out following checks when the engine does not start easily or runs irregularly.

Locating the trouble	Remedies	Locating the trouble	Remedies
DIFFICULT	STARTING	4 Clutch troubles. a) Clutch snotches:	200 etői
1 Fuei system.	Million Scribbo	Gear pinions not lubricated properly.	Top up oil lavel. Tighten the screw on draining hole.
Fuel tank empty. Fiter on carburattor Fuel tap body	Turn to « reserve ». Refill as soon as possible.	b) Clutch slips: Spring feeble. Plates worn or burnt.	Replace. Replace both plates and spring.
Carburettor body Main jet Clogged Atomizer Packing of fuel tap	Remove and wash in gasoline - Blow dry.	c) Clutch does not disengage completely: Excessive play on control cable.	Adjust (see fig. 17).
2 Carburation		5 Geer pinions disengage of own accord.	
Engine flooding	See page 8.	Gear change control cables out of	Adjust.
Air cleaner choked or dirty	Clean (see page 11).	adjustment.	Should the control have excessive
Starter valve sticking 3 Ignition	Release. Disconnect the plug lead. Check if sparking occurs between lead and crankase when the kickstarter is operated.	•	play in nautral, tension control cables by screwing back the re- spective adjuster screw (on cable sheath end, ratchet quadrant side) with open ended wrench. If the cable tension in neutral is
Sperkplug dirty	Clean. Correct gap to 0.6 mm. (.023").		correct but the reference marks of the handlebars do not tally, tigh- ten one of the adjuster screws
Porcelain of sparkplug cracked	Replace the plug.		and uscrew the other one to the same extent, so that the cable
Breaker points dirty, partially worn or pitted.	Clean with suitable files or very fine emery paper.	•	tension is not altered.
Gap between breaker points incor- rect.	Correct (see fig. 19).	Dogs of gear pinions chipped or worn.	Replace the pinions.
Breaker points completely worn or pitted.	Replace.	6 High fuel consumption.	
Timing wrong.	Re-time ignition.	I - Fuel level too high in carbu- rettor:	Replace float pin.
INCORRECT	RUNNING	Il - Air cleaner chocked or dirty.	Clean with pure gasoline and blow dry.
1 Lack of power. Muffler butlet pipe carbonized	Clean (see page 11).	III - Jets or vents of the carburettor blocked or dirty; incorrect or increased diameter.	Dismount and Clean carburettor in gasoline and compressed eir. For type and diameter of jets and
Exhaust port partially closed by car- bon deposit.	Decarbonize cylinder, piston and cy- linder head. (See page 11).	IV - Retarded ignition.	vents, see page 5. Re-time.
2. • Poar compression.		V - Poor compression.	See No. 2 of this paragraph.
Sparkplug not well screwed down in cylinder head.	Tighten (box wrench).	7 Centrals not operating properly.	or the 2 of the paragraphs
Cylinder head not fitting properly into the spigot on top of cylinder	Set the head properly and tighten the nuts.	Inner cables rusted.	Lubricate or, if necessary, replace.
Piston rings gummed up.	Clean the rings and grooevs.	Excessive play.	Adjust.
3 Explosions at muffler or carbu- rettor.	um samut Stiffe	8 Steering column becomes stiff. Top race of top ball bearing too	Slacken.
Sparking plug carbon - coated or with excessive electrode gap	Replace or clean the plug and cor- rect the gap 0.6 mm. (.023").	tight. Bottom races of the two bearings	Replace.
Carbon pearls on sperkplug insula- tion.	Clean.	pitted. 9 Excessive play of steer. colum	
Pre - Ignition.	a) Fit on a proper type of sperkpl. b) Re-time the ignition.	Top race of top bearing loose.	Tighten.
Tip of contact breaker loose.	Replace.	10 Poer breking.	
Condenser screw loose.	Tighten.	Stroke of pedal lever too long.	Adjust (see Fig. 16)
	See paragraph « Difficult starting »,	Brake linings oily or worn down	Wash with complific or replace. Co



Crankcase - Cylinder - Crankshaft

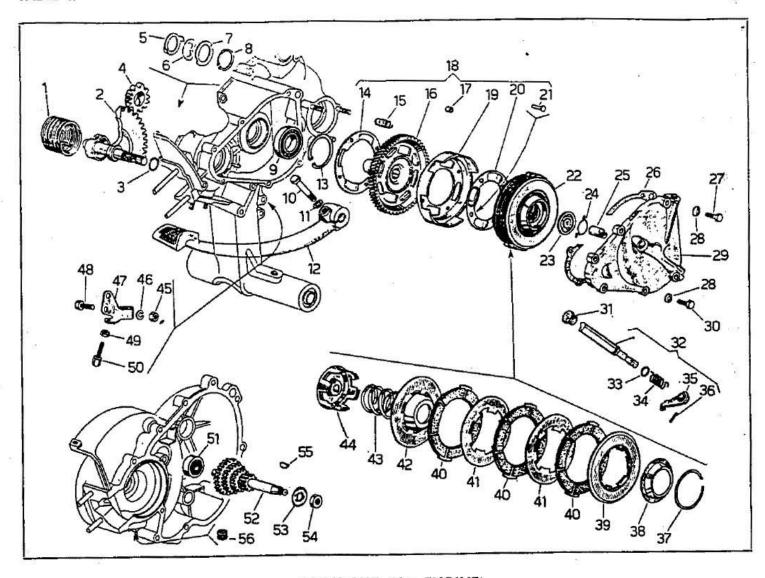
(Table I)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	5. 8499	Bolt , long, for securing crank- case halves	ć	686	Washer, locking
2	S. 3057	Washer, plain	7	46261	Stud, cylinder fastening
2	3. 3037	washer, plant			nav savi savi sa sa sa sa sa sa sa
3	5, 3107	Washer, spring	8	S. 8720	Seal, spring loaded, for crank- case, flywheel side
4	S. 1107	Nut, for locking cylinder head and crankcase halves	9	S. 6977	Washer, spring, securing cylin- der and head
5	S. 1545	Nut and collar	10	S. 7160	Roller beamag,offerhelpsidem

Figura Number	Share Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
11	S. 8420	Bolt, short, securing crankence halves	32	91356	Piston, 1st o/s, wrist pin (with parts Figs. 30 - 31 33).
12	267	Key	32	91357	Piston, 2nd o/s, wrist pin
13	111311	Crankshaft, g. a. (with part. Fig. 29).	32	71337	(with parts Figs. 30 - 31 33).
1.4	S. 8421	Bolt, securing crankcase halves	32	91358	Piston, 3rd o/s, wrist pin (with parts Figs. 30 - 31
15	110699	Crankcase, g. a. (With parts Figs. 1 - 2 - 3 - 4 - 11 - 14 - 20 - 34 T. I; 56 T. II; 21 T. III; 34 - 35 - 36 T. VIII).	32	91359	Piston, 4th o/s, wrist pin (with parts Figs. 30 - 31 33).
16	S. 456	Stud, securing flange for jaw	33	110651	Ring, piston, normal
17	5. 8731	Seal, spring loaded, for crank- case, clutch side	33	91368	Ring, piston, 1st o/s.
18	S. 6647	Circlip	33	91369	Ring, piston, 2nd o/s.
19	5. 7125	Ball bearing, clutch side	33	91370	Ring, piston, 3rd o/s.
20	110711	Gasket, crankcase	33	91371	Ring, piston, 4th o/s.
21	2856	Screw, securing cooling hood	34	S. 8419	Bolt, long
22	110720	Spacer, securing cooling hood	35	110710	Gasket, cylinder base
23	5. 584	Stud, securing fuel inlet joint	36	91324	Cylinder piston g. a.
24	111666	Clutch, drive gear			(with part Fig. 32).
25	5. 1821	Washer, plain	37	\$. 3056	Washer, securing cooling hood
26	S. 1510	Nut, sec. drive gear	38	150716	Engine, g. a.
27	5.7188	Roller cage	39	5. 3918	Stud, securing exhaust pipe
28	S. 4515	Stud	40	111446	Head, cylinder
29	a) 93233	Roller cage	41	318	Gasket, copper, of sparkplug
30	S. 6615	Circlip, for locking wrist pin	42	98753	Sparkplug, with terminal *
31	111307	Wrist pin, normal	43	72843	Cap, rubber, for sparkplug
32	111308	Piston, with standard wrist pin	44	111734	Hood, cooling
		(with parts Figs. 30 - 31 - 33).	45	2946	Screw, hood fixing

a) Con-rods and roller cages are subdivided in 4 categories and the category number is marked on every conclude the category. When ordering roller cages, always indicate the wanted category.

TABLE II



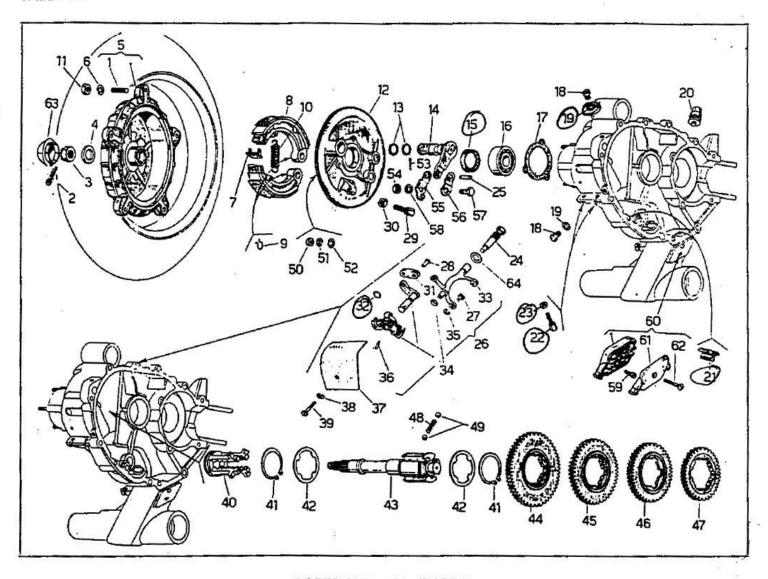
Clutch - Kickstarter

(Table II)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	78478	Spring, return, of kickstarter	8	5. 6425	Washer, spring
2	78976	Sector, starting	9	S. 7130	Ball bearing, clutch side
3	S. 6721	Packing	10	s. 906	Bolt, securing kickstarter
4	78473	Gear, starting	11	\$. 12563	Washer, lock, of kickstarter
5	110387	Plaque, retaining, spring	12	79077	Kickstarter
6	77232	Spring, plate	13	S. 6647	Circlip, locking bearing
7	79670	Washer lock	14	78495	Plate, spring of clutch

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part*	DESCRIPTION
15	78484	Spring, clutch	35	78450	Arm, actuating clutch
16	110921	Gear, clutch	36	5.8818	Pin, actuating arm
17	78594	Spacer	37	79474	Ring, spring, for stopping clutch plates
18	110670	Spring gear g. a. (With parts Figs. 14 - 15 - 16 - 17 - 19 - 20 - 21).	38	150508	Ring, oil container
10	110669		39	79476	Plate, outer, of clutch
19		Body clutch	40	79399	Plate, clutch, with linings
20	110668	Plate, spring, of clutch	41	79478	Plate, driven, of clutch
21	S. 5772	Rivet	42	79469	Plate, inner, of clutch
22	150514	Clutch, g. a. (With parts Figs. 37 - 38 - 39 - 40 - 41 - 42 - 43 - 44).	43	112390	Spring, clutch
			44	79497	Clutch case, inner
23	16821	Plate, clutch centralizing	45	S. 1107	Nut, securing bracket
24	14457	Spring, for fixing centralizing plate	46	5, 3107	Washer, securing bracket
25	2/78453	Thruster, clutch	47	79001	Bracket, supporting adjuster o
26	79002	Gasket, between clutch cover and crankcase	48	S. 12488	Bolt, securing bracket
27	S. 14413	Screw, securing clutch cover	49	S. 1205	Nut, setting clutch
28	S. 7631	Washer, spring	50	90527	Screw, setting clutch
29	79083	Cover, clutch	51	S. 7035	Ball bearing, of multiple gea
30	S. 12281	Bolt, securing clutch cover	52	112377	Gear, multiple
31	/ 8586	Plug, actuating arm clutch	53	S. 1822	Washer, locking clutch
32	78959	Arm, actuating clutch, g. a. (With parts Figs. 35 - 36).	54	5. 1508	Nut, retaining clutch
33	S. 6706	Washer, actuating arm, clutch	55	S. 11753	Key, retaining clutch
34	78452	Spring, actuating arm, clutch	56	87685	Plug, for hole crankcase, side flywheel magneto
					scooterhelp.co
					scooterhelp.d

TABLE III



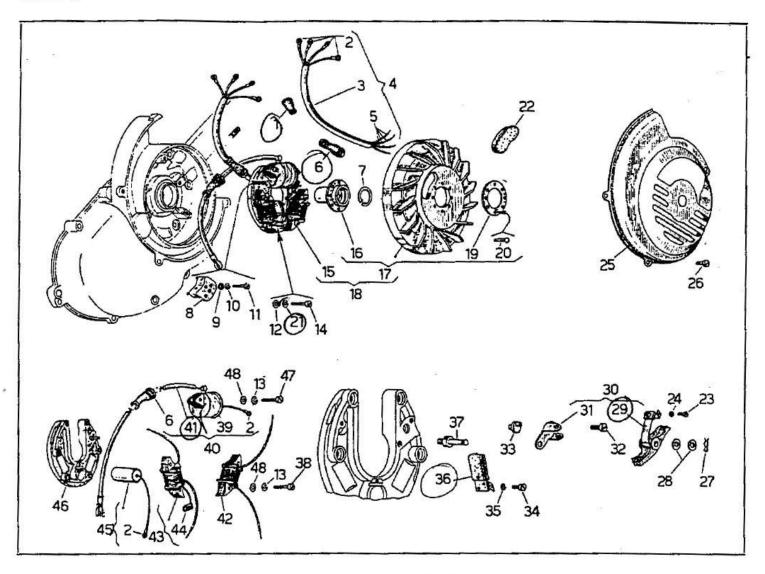
Rear wheel hub - Gear group - L.T. socket

(Table III)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spere Part	DESCRIPTION
1	85914	Stud, for drum of brake.	8	100492	Jaw, rear brake, with lining
2	S. 12787	Split pin, for locking castle nut	9	61	Clip, spring, for brake jaws
3	\$, 2314	Nut, for securing drum	10	78522	Spring, return, of brake jaws
4	150051	Washer, plain, securing drum	11	S. 1108	Nut, securing wheel
5	100484	Drum, rear brake (with fig. 1)	12	111586	Disc, support brake jaw
6	5. 3108	Washer, spring, sec. wheel	13	97497	Packing
7	24410	Plaque, for brake jaw	14	78366	Armi, rear State (State)p.com

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
15	3/46699	Seal, spring - loaded of main- shaft	41	S. 5901	Circlip, retaining shoulder washer
16	7563	Ball bearing, clutch side	42	a) 111996	Washer, shoulder, normal, or of gear pinions
17	90899	Packing	42	a) 112008	Washer, shoulder, 1st oversize
18	2990	Cap, filler, oil	42	a) 112009	Washer, shoulder, 2nd oversize
19	397	Packing, for cap	42	a) 112010	Washer, shoulder, 3rd oversize
20	19301	Breather	42	a) 112011	Washer, shoulder, 4th oversize
20	78578	Buffer	43	a) 111596	Mainshaft
21	90527	Screw, setting change gear	44	112378	Gear, low speed
23	S. 1205	Nut, setting change gear	45	112379	Gear, 2nd speed
24	98787	Bolt, securing stirrup	46	112381	Gear, 3rd speed
25	90306	Pivot pin, for rear brake links	47	112380	Gear, 4th speed
			48	150110	Spring, for balls
26	112214	Stirrup, for gear change (With parts Figs. 27 - 28	49	S. 6379	Ball
27	78945	31 - 33 - 35 - 36). Slide, stirrup, of gear change	50	5, 1108	Nut, securing brake jaw sup- port disc
28	S. 5771	Rivet, for stirrup, of gear	51	5, 3108	Washer, spring
20	3.3//1	change	52	S. 3058	Washer plain
29	23823	Screw, setting rear brake	53	S. 12761	Split pin, for arm axle
30	S. 1207	Nut, setting rear brake	54	5. 1426	Nut, for securing bolt brake
31	78526	Union piece, for levers			links
32	S. 6706	Packing	55	94779	Link, brake
33	110716	Stirrup, of gear change	56	42047	Link, brake
34	78597	Washer, spring, for stirrup	57	85673	Bolt, for securing cable to brake links
35	5. 5962	Circlip, for stirrup	58	S. 3109	Washer, spring
36	\$. 13010	Pin	59	5. 14402	Screw, for L. T. socket
37	78920	Cover, of the act. lever	60	70744	L. T. socket g. a. (With parts Figs. 59 - 61 -
38	S. 3105	Washer, spring, for cover			62).
39	99462	Screw, securing cover	61	78598	Cover, for L. T. socket
40	111589	Selector, gear	62	S. 8230	Screw, for L. T. socket

a) The total axial play of the assembly of the 4 gear pinions in respect to their seat must be contained between .002" and .012". Should this play exceed said tolerances, the normal shoulder washer must be replaced by another with proper oversize.



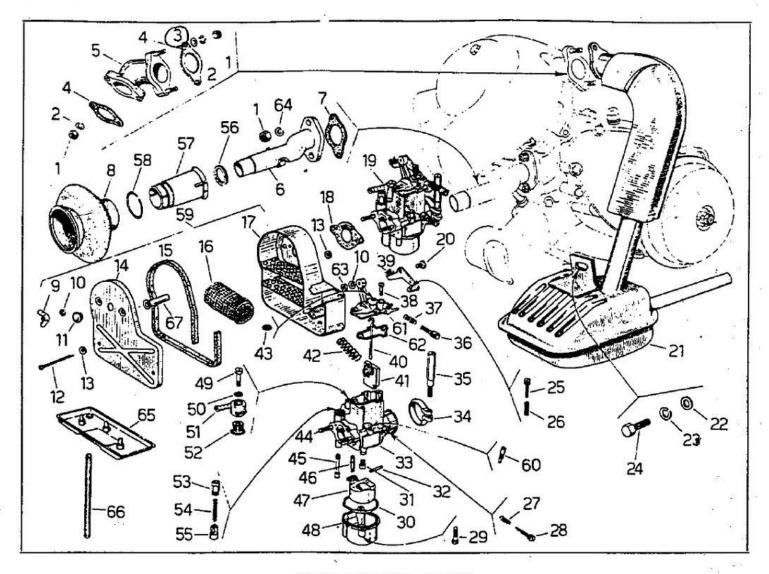
Flywheel - Magneto - Fan - Coils

(Table IV)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	48170	Cap, for L. T. socket	7	S. 5981	Circlip, for flywheel extraction
2	14501	Terminal	8	79715	Clamp board
3	a) 87400	Sheath	9	5, 3054	Washer, plain, securing clamp board
4	101112	Cable harness (With parts Figs. 2 - 3 - 5).	10	S. 3104	Washer, spring, securing clamp board
5	a) 85721	Cable, to flywheel	11	5. 963	Screw, securing clamp board
6	46766	Grommet	12	90045	Washer, plain, for screw secu- ring stator Scooterhelp.co

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
13	\$.3105	Washer, spring, for screw se- curing coils	29	98469	Breaker (With parts Figs. 23 - 24).
14	S. 10047	Screw, for securing stator	30	98468	Gusset - breaker assy. (Figs. 29 - 31).
15	101109	Stator, g. a. (Parts Figs. 3 - 8 - 9 - 10 - 11 - 13 - 27 - 28 - 30 - 31 -	31	16418	Gusset, contact
		32 - 33 - 34 - 35 - 36 - 38 - 40 - 42 - 43 - 44 - 45 - 46 -	32	S. 12332	Screw, securing gusset
		47 - 48).	33	16420	Cam
16	111584	Cam	34	3213	Screw, securing condenser and felt blade
17	111585	(With parts Figs. 16 - 19 -	35	S. 3103	Washer, spring for felt blade
	ĺ	20).	36	72836	Blade felt
18	101108	Flywheel magneto, g. a. (Parts Figs. 15 - 17).	37	16417	Axle, breaker
19	111545	Washer, plain, of cam	38	603	Screw, for securing coils
20	0184	Rivet, for securing cam	39	91412	Coil, H. T. (With part Fig. 2)
21	S. 6965	Washer, spring, for screw se- curing stator	40	91411	Coil, H. T., and cable (With parts Figs. 39 - 41).
320000			41	150481	Cable, H. T.
22	110586	Plug, for flywheel fan	42	101110	Coil, low tension, n. 1
23	S. 10051	Screw, sec. cable on breaker	43	101111	Coil, low tension, n. 2 (With part Fig. 44).
24	S. 12554	Washer, shake proof			
25	111583	Cover, fan casing	44	662	Terminal, for coil
26	2946	Screw, long, for securing fan	45	79697	Condenser (With part Fig. 2).
		casing cover	46	79444	Stator (With part Fig. 37).
27	625	Fork spring	47	S. 8519	Screw, securing H. T. coil
28	622	Washer, shim, of breaker	48	5. 3055	Washer, plain, securing coils
i i					scooterhelp.co

a) Order by meters or feet.



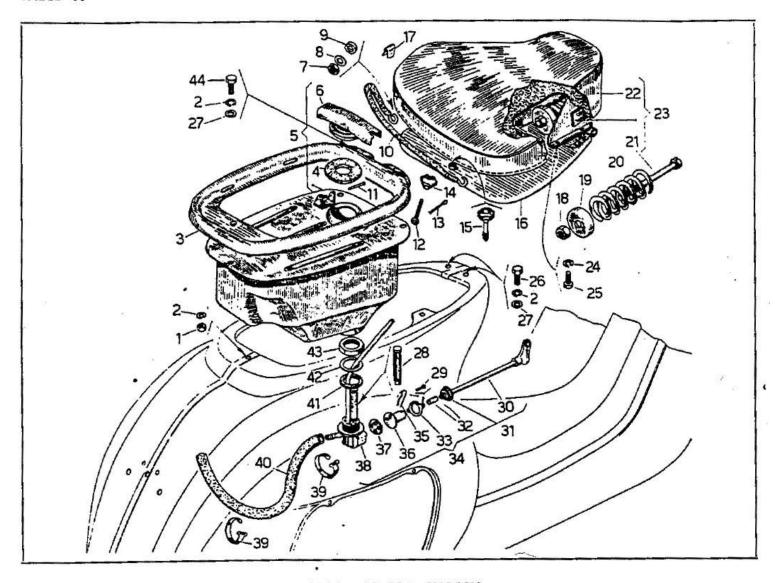
Carburettor - Air cleaner - Muffler

(Table V)

Figure Number	Spare Part	DESCRIPTION	Figure Númber	Spare Part	DESCRIPTION
1	S. 1106	Nut, for securing exhaust join- ting pipe	6	78542	Inlet jointing pipe
			7	78543	Packing, for inlet jointing pipe
2	S. 12533	Washer, spring securing ex- haust jointing pipe	8	71813	Cap, protective
3	5. 3056	Washer, plain, for securing ex- haust jointing pipe	9	S. 12146	Nut, wing, for cover
		Vicanical and advisors (Control of the Control of t	10	5. 6965	Washer, spring, for cover
4	79326	Packing, for exhaust jointing pipe	11	87975	Cap, rubber, for cover
5	79247	Exaust jointing pipe	12	S. 12783	Split pin, for 60 terhelp.com

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
13	S. 13782	Washer, plain, for cover	38	85418	Screw, securing cover
14	112479	Cover for air cleaner body	39.	98141	Rocker
15	79882	Packing, for cover air cleaner	40	98147	Rod, for throttle control cable
		body	41	98084	Slide, throttle
16	111496	Air filter	42	98132	Spring, of throttle slid
17	112482	Air cleaner body	43	85286	Packing
18	79900 1 50600	Packing, for air cleaner body Carburettor, Dellorto SHB	44	111497	Stud, jointing air cleaner to carburettor
		16/16 - Type g. a. (Parts Figs. 10 - 20 - 25 - 26 -	45	98433	Starter jet
9		27 - 28 - 29 - 30 - 31 - 32 -	46	90506	Valve, neadle
		33 - 34 - 35 - 36 - 37 - 38 - 39 - 40 - 41 - 42 - 43 - 44 -	47	98430	Float
		45'- 46 - 47 - 48 - 49 - 50 -	48	98138	Chamber of float
		51 - 52 - 53 - 54 - 55 - 60 - 61 - 62 - 63).	49	98144	Screw, securing pipe
20	92403	Pivot pin, actuating lever	50	98136	Packing, for pipe Fig. 49.
	112501	Muffler, g. a.	51	98140	Pipe
21	S. 13962	Washer, plain, for securing	52	98142	Filter, mixture
22	3, 13902	muffler	53	98129	Plug, for starter device
23	5, 3110	Washer, spring, for securing muffler	54	98146	Spring, of plug for starter device
24	S. 12306	Bolt, for securing muffler	55	98149	Starter device
25	98137	Screw, setting lever	56	S. 8736	Packing, for inlet pipe
26	13991	Spring, for screw setting lever	57	110003	Inlet pipe
27	98135	Spring, for adjusting screw	58	110007	Circlip, for inlet pipe
28	98133	Screw, for slow running adjust.	59	112480	Air cleaner, g. a.
29	98134	Screw, securing float chamber			(Parts Figs. 11 - 12 - 13 - 14 - 15 - 16 - 17 - 67).
30	98148	Packing, for float chamber	60	85795	Idling jet
31	83902	Jet, main	61	98139	Cover, for throttle slide
32	85291	Pivot, for float	62	98145	Packing, of cover throttle slide
33	98431	Carburettor body (With part Fig. 44).	63	S. 12012	Nut, securing actuating lever pivot pin
34	24645	Clip	64	S. 3106	Washer, spring, securing inlet
35	98143	Screw, securing clip			and exaust jointing pipe
36	98128	Screw, for throttle slide	65	111123	Eshaust bowl, for fuel
37	98130	Spring for screw of throttle slid	66	a) 87394 112475	Exhaust pipe, for fuel Tube, spacer, for air filter Scooterhelp.com

l l a) Order by meters or feet.



PARTS LIST FOR CHASSIS

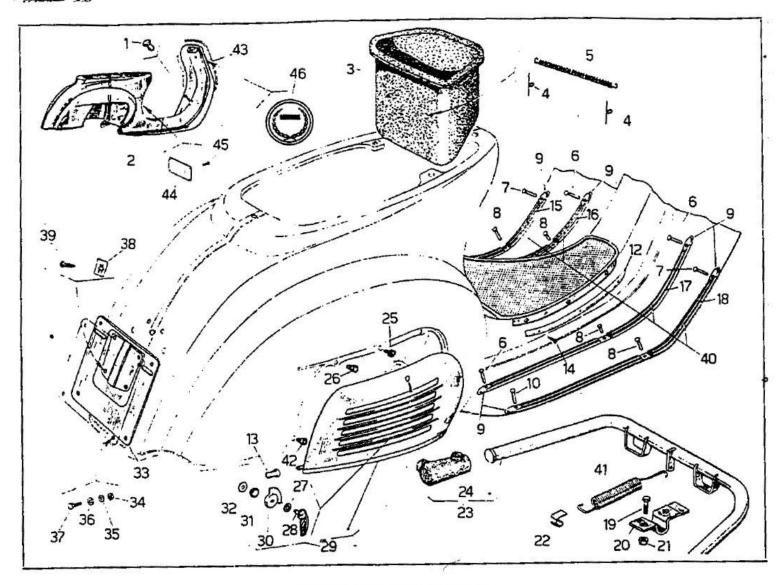
Saddle - Fuel tank - Luggage carrier

(Table VI)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	S. 1107	Nut, securing luggage carrier and fuel tank	6	a) 71728	Cap, filler, of fuel tank
2	S. 3107	Washer, spring, securing lug-	7	S. 1108	Nut, securing grip on saddle
		gage carrier, fuel tank and saddle	8	2383	Washer, plain, securing grip on saddle
3	97970	Carrier, luggage			
4	71734	Packing, of filler cap	9	98501	Spacer, securing grip on saddle
5	100379	Fuel tank	10	98500	Grip, on saddle
		(With parts Figs. 4 - 6 - 11 - 12 - 13 - 14 - 31 - 34).	11	8446	Rivet, of fife? Oterhelp.com

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
12	4435	Bolt, tie, of filler cap	30	98584	Rod, tap fuel
13	5. 3212	Split pin for supporting tie bolt	31	47460	Grommet, fuel tap clip
14	92217	Nut, for filler cap	32	83139	Hose, for tap fuel rod
15	100392	Knob, securing saddle support	33	13835	Flange, tap fuel
16	71559	Support, saddle	34	98581	Tap, fuel, g. a.
17	94720	Clamp, for secur, saddle cover			(With parts: Figs. 29 - 30 - 32 - 33 - 35 - 36 - 37 - 38 -
18	S. 1110	Nut, saddle spring			41 - 42 - 43).
19	71570	Cup, saddle spring	35	15467	Clip, spring
20	71569	Spring, of saddle	36	46168	Cover, mixture distributor
21	S. 8526	Bolt , securing spring of saddle	37	13836	Packing, tap fuel
22	71556	Cover, saddle		00502	
23	98503	Saddle, g. a. (With parts: Figs. 7 - 8 - 9 -	38	98582	Body, tap, g. a. (With part Fig. 28).
		10 - 17 - 18 - 19 - 20 - 21 - 22).	39	71673	Strap, pipe fastening
24	S. 7631	Washer, spring, securing bolt saddle support.	40	71506	Pipe, plastic, from fuel tap to carburettor
25	S. 12263	Bolt, securing saddle support	41	S. 6068	Packing, between fuel tap and tank
26	S. 14441	Screw, securing saddle (front side) to frame	42	5. 6067	Washer, plain, under nut secu- ring fuel tap
27	S. 3057	Washer, plain, securing saddle (front side) to frame	43	9433	
28	97573	Filter, for fuel cock	43		Nut, securing fuel tap to tank
29	S. 10011	Screw, fuel tap clip	44	S. 10096	Bolt , securing front side of luggage carrier
					A
					scooterhelp.con

The transfer drg. 85247 for indicating gas - oil ratio of fuel 2% (applied on the cap) is also delivered.



PARTS LIST FOR CHASSIS

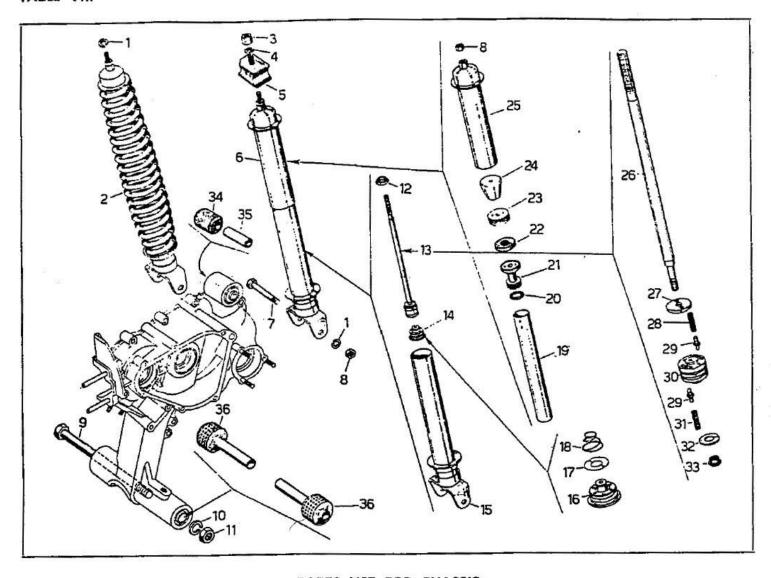
Chassis - Tool box - Channels - Stand

(Table VII)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	90958	Plug, for spare wheel holes	8	S. 10805	Rivet, securing outer and inne- strip of floorboard
2	101129	Chassis of motor - scooter (With parts: Figs. 44 - 45).	9	73405	Cap, strip
3	100389	Tool box			Direct sequeles room on of our
4	71638	Clip for spring	10	S. 10881	Rivet, securing rear cap of ou ter strips
5 6	1221B S. 10869	Spring, for canvas roll Rivet, securing inner strips cap	11	100445	Rubber mat
0	3.1000	of flootboard	12	100446	R. H. mat retainer strip
7	S. 10868	Rivet, securing outer strips cap of floorboard (side front)	12	100447	L. H. mat retainer strip scooterhelp.com

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
13	100408	Buffer, for engine bonnett shutter	29	91380	Flap, bonnet, engine (With parts: Figs. 27 - 28 30 - 31 - 32).
14	S. 897	Screw, self locking, securing rubber mat	30	70427	Latch
15	100460	Strip, outer, L. H.	31	70428	Washer, spring
16	100462	Strip, inner, L. H.	32	S. 13884	Washer, plain
17	100461	Strip, inner, R. H.	33	101115	Registration plate
18	100459	Strip, outer, R. H.	34	S. 1106	Nut, securing plate
19	5. 12281	Bolt, securing stand	35	S. 3056	Washer, plain, registration plate
20	57226	R. H. clip, of centre stand	36	5. 3106	Washer, spring, registration plate
20	57227	L. H. clip, of centre stand	37	5.12263	Screw, securing plate
21	S. 12138	Nut, for securing stand	38	93609	Plate, securing registration pla
22	77252	Spring retainer clip	39	S. 8265	Sef - locking, screw, securing
23	100477	Stand, with rubber shoes (With part Fig. 24).			registration plate
		20	40	a) 94625	Strip, rubber, of floorboard
24	101971	Shoe, R. H.	. 41	77269	Spring, return, of stand leg-
24	101972	Shoe, L. H.	42	101783	Lower plug
25	150566	Upper plug, central	43	100456	Beading, windshield
26	98669	Upper plug, lateral	44	150899	Plate, model number
27	S. 13935	Washer, plain	45	S. 10781	Rivet, for securing model num
28	70425	Lever, lock, for engine bonnet shutter	46	151124	Name plate « Sears».

a) Order by meters or feet.



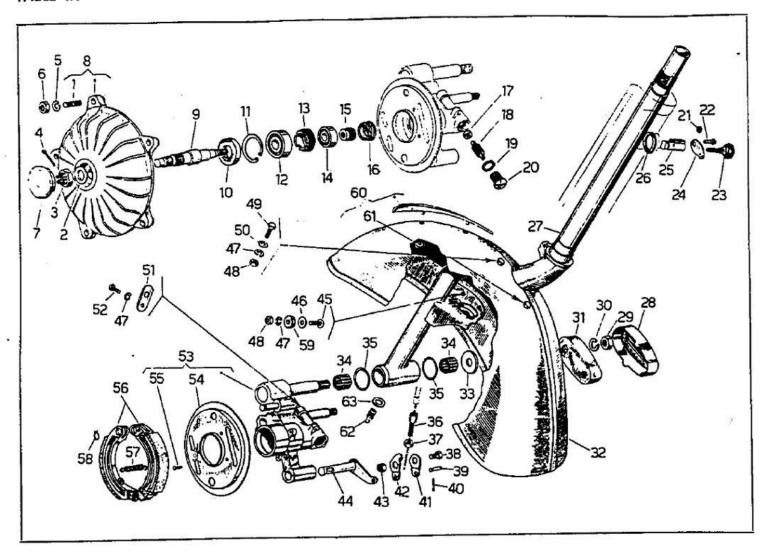
PARTS LIST FOR CHASSIS

Rear suspension spring - Rear damper

(Table VIII)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	S. 3109	Washer, spring, for shock ab- sorber anchoring pin	6	101195	Shock - absorber, hidraulic, rear, g. a. (Parts Figs. 8 - 12 - 13 - 14 - 15 - 19 - 20 - 21 - 22 - 23 -
2	70646	Spring, rear suspension			24 - 25).
3	S. 12109	Nut, sucuring to frame	7	S. 14689	Bolt, securing shock - absorber, botton
4	5.3108	Washer, spring			
5	60536	Bracket, elastic	8	5. 1209	Nut, securing shock - absorber, botton scooterhelp.cor

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
9	78588	Bolt, securing the engine to chassis	23	48591	Cap, threaded, of shock-ab- sorber
10	S. 3110	Washer, spring	24	150264	Buffer
11	S. 1110	Nut, for securing engine to chassis	25	70635	Tube, protection, of shock - absorber
12	48596	Buffer	26	70641	Stem, of shock - absorber
13	70647	Stem, g. a. (With parts Figs. 26 - 27 - 28 - 29 - 30 - 31 - 32 - 33).	27	S. 6018	Washer, support, spring, upper
14	2/22832	Valve, discharge, g. a. (With parts Figs. 16 - 17 -	28	22827	Spring, for valve pin
		18).	29	17285	Pin, valve
15	70638	Body, shock - absorber	30 .	93468	Piston, of shock-absorber
16	22828	Valve discharging	31	32812	Spring, for valve pin
17	17385	Washer, seal	32	S. 13768	Washer, support spring, lower
18	84603	Spring, of seal washer			
19	70640	Tube , inner, of hydraulic shock - absorber	33	17122	Ring, lock, of piston
20	S. 6721	Packing	34	40316	Buffer , securing shock - absorber
21	2/83819	Bush, guide, of shock - absor- sorber stem	35	94727	Tube, securing shock - absorber
22	90150	Seal, of shock - absorber	36	112204	Buffer, for engine suspension
					scooterhelp.com
		– 29	_		



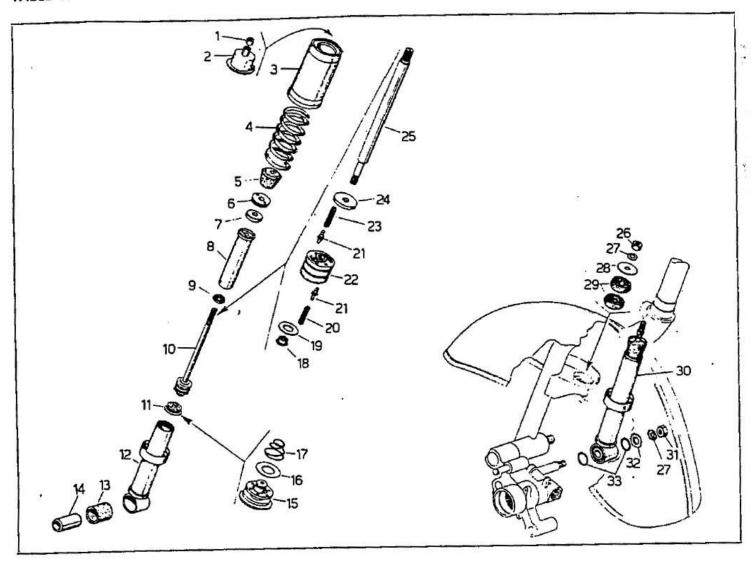
PARTS LIST FOR STEERING COLUMN

Steering column - Mudguard - Wheel hub - Security lock

(Table IX)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	85914	Stud, drum, front brake	6	S. 1108	Nut, securing wheel
2	S. 13879	Washer, plain, securing drum	7	92517	Plug, for brake drum
-		front brake	8	100488	Drum, front brake (with fig. 1)
3	5. 2314	Nut, securing drum front brake	9	100483	Axle, front wheel
4	S. 12787	Split pin, securing drum front	10	S. 8708	Seal, front wheel axle
		brake .	11	5141	Circlip, front wheel axle
5	S. 3108	Washer, spring, securing wheel	12	2802	Ball bearing, for front wheel SCOOternelp.cor

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
13	57940	Ring nut, securing ball bearing	39	90305	Pin, for brake links
14	2800	Ball bearing	40	S. 12761	Split pin, on pin for brake links
15	97505	Pinion, speedometer	41	83608	Link front brake
16	71053	Cover, wheel hub	42	97108	Link front brake
		1990	43	S. 1207	Nut, on bolt sec. brake links
17	57939	Buffer, stop	44	57945	Lever, front brake
18	70909	Pinion, speedometer	45	\$. 15123	Bolt, securing mudguard
19	57941	Packing, ring nut	46	97733	Washer, plain, for bolt securing
20	57935	Ring nut, for speedometer			mudguard
21	70606	Washer, spring	47	S. 3105	Washer, spring for bolt secu- ring mudguard
22	70605	Pin, security lock	48	S. 1105	Nut, for bolt sec. mudguard
23	97463	Key, security lock	49	2957	<u> </u>
24	70604	Cover, security lock housing			Bolt, securing mudguard
25	70603	Housing, security lock	50.	S. 3055	Washer, plain, on bolt securing mudguard
26	90957	Packing, security lock	51	57938	Stop plate
27	150496	Steering column	52	774	Screw, securing stop plate
28	70177	Cover, wheel hub	53	79152	Hub, front wheel (With parts Figs. 54 - 55).
29	S. 1112	Nut, securing steering column	54	79154	Dust cover
30	S. 3112	Washer, spring, securing stee- ring column	55	S. 10870	Rivet securing dust cover
31	70176	Housing, front wheel hub	56	91058	Jaw, brake
	i	Mudguard, with crest fig. 60.	57	25990	Spring, return, of brake jaws
32	91321				10:
33	57944	Washer, plain, securing stee- ring column	58	61	Clip, spring, for brake jaws
34	90457	Roller cage	59	99335	Washer, spacer, securing mud- guard
35	S. 14013	Packing, securing steering co-	60	150070	Crest, with ring clamp fig. 61.
		lumn	61	85508	Ring clamp, securing crest
36	90527	Screw, adjuster, of front brake	62	2/19556	Grease nipple, on steering co-
37	S. 1205	Nut adjuster, of front brake			lumn
38	2036	Bolt, securing cable to brake links	63	S. 13840	Washer, plลิเดอเปียร์กัน เอ. คุณ ple
		— 31			



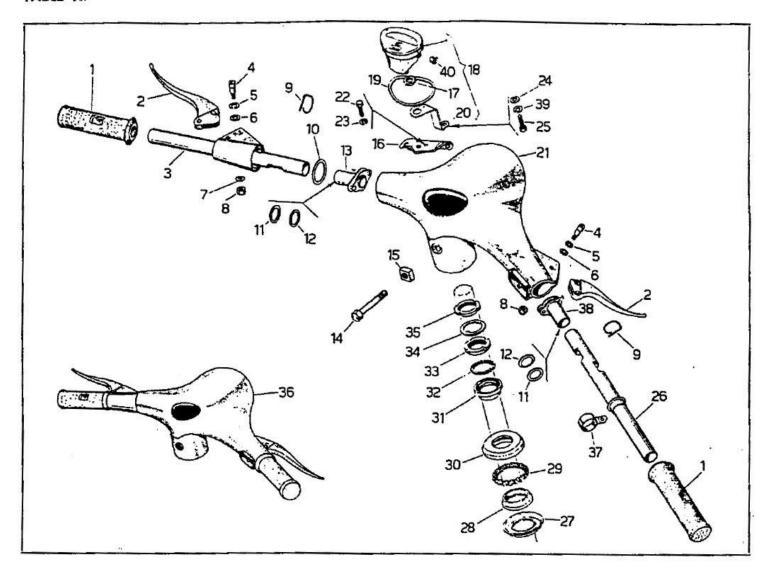
PARTS LIST FOR STEERING COLUMN

Front damper

(Table X)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	S. 12139	Nut, of shock - absorber	7	90151	Seal, of shock absorber
2	98538	Cap, upper	8	57884	Tube, inner, of shock - absorbe and bush for stem
3	57895	Tube protection, of shock - ab- sorber	9	53752	Stop buffer
4	70072	Spring, front suspension	10	57887	Stem, of shock - absorber (Parts: Figs. 18 - 19 - 20
5	57894	Buffer			21 - 22 - 23 - 24 - 25).
6	26101	Cap, threaded, of shock - ab- sorber	11	2/17304	Valve, discarge (Parts: Figs. 15 - 16 - 17)
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Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
12	57878	Body, shock - absorber	25	57888	Stem of shock - absorber
13	57893	Buffer, lower	26	5. 12108	Nut, securing shock - absorber, upper side
14	57892	Buffer sleeve, securing shock - absorber bottom	27	S. 3108	Washer, spring
15	22759	Valve, discharging	28	55040	Washer, plain, securing shock - absorber, upper side
16	17385	Washer, seal			absorber, upper side
17	84603	Spring, of seal washer	29	57012	Buffer, securing shock - absor- ber, upper side
18	17122	Ring, lock of piston	30	98673	Shock absorber, without spring and outer sleeve
19	S. 13768	Washer, support, spring			(Parts: Figs. 1 - 2 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 -
20	22827	Spring, for valve pin			14).
21 .	17285	Pin, valve	31	S. 1108	Nut, securing shock - absorber, lower side
22	97900	Piston, of shock - absorber	32	57943	Washer, plain, sec. shock - ab- sorber, lower side
23	32812	Spring, for valve pin		-	
24	S. 6018	Washer, support, spring	33	S. 14006	Packing, sec. shock - absorber, lower side
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PARTS LIST FOR HANDLEBARS

Handlebars - Speedometer

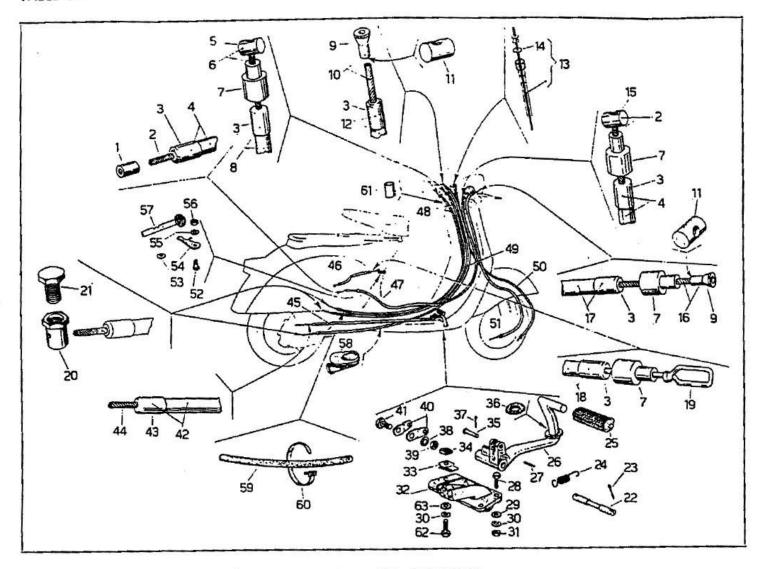
(Table XI)

Figure.	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
ŀ	70577	Twist grip, rubber	6	97734	Washer, plain, for securing levers
2	70578	Lever, clutch and front brake control	7	97733	Washer, plain, for securing levers
3	90538	Tube, for gear change control	8	5. 12136	Nut, for screw securing control levers
4	S. 14629	Screw, securing control levers	9	97356	Clip, spring
5	77492	Washer, spring, for securing control levers	10	70858	Washer, spacer, on gear chan- ge sleeve



Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
11	70568	Washer, plain	29	77023	Ball cage, for steering column bottom ball bearing
12	60565	Washer, spring			Section Sun Bearing
13	101192	Lever, actuating, change gear	30	92667	Seat, outer, of steering column bottom ball bearing
14	70591	Bolt, securing handlebars	31	56641	Seat, lower, of steering column
15	70620	Nut, securing handlebars			top ball bearing
16	73555	Plate, anchor	32	77024	Ball cage, upper, of steering column top ball bearing
17	5. 12113	Nut, speedometer housing	33	55986	Ring threaded, of steering co-
18	91469	Housing, speedometer, mls. (With parts Figs. 17 - 20 -	33	22460	lumn top ball bearing
		40).	34	3751	Washer, lock, of steering co- lumn top ball bearing
19	100618	Packing, speedometer			
20	100617	Plate, stop, for speedometer	35	11109	Ring, threaded, for locking steering column top ball bearing
21	100586	Body, handlebars			1933183
22	774	Bolt, securing bracket	36	91350	Handlebars, g. a. (Figs. 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 -
23	5. 3105	Washer, spring sec. bracket			13 - 14 - 15 - 16 - 21 - 22 - 23 - 24 - 25 - 26 - 37 - 38 -
24	S. 3055	Washer, plain, securing spee- dometer			T. XI; 11 T. XII).
25	70583	Screw, securing speedometer	37	71039	Spring, plate, throttle control
26	70589	Twistgrip, throtle sleeve	38	70573	Lever, actuating, throttle side
27	19264	Washer, protection of steering column bottom ball bearing	39	S. 3105	Washer, spring, securing spee- dometer
28	55989	Seat, lower, of steering column bottom ball bearing	40	150361	Plug, for socket housing on speedometer
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TABLE XII



PARTS LIST FOR CONTROLS

Transmissions - Rear brake pedal

(Table XII)

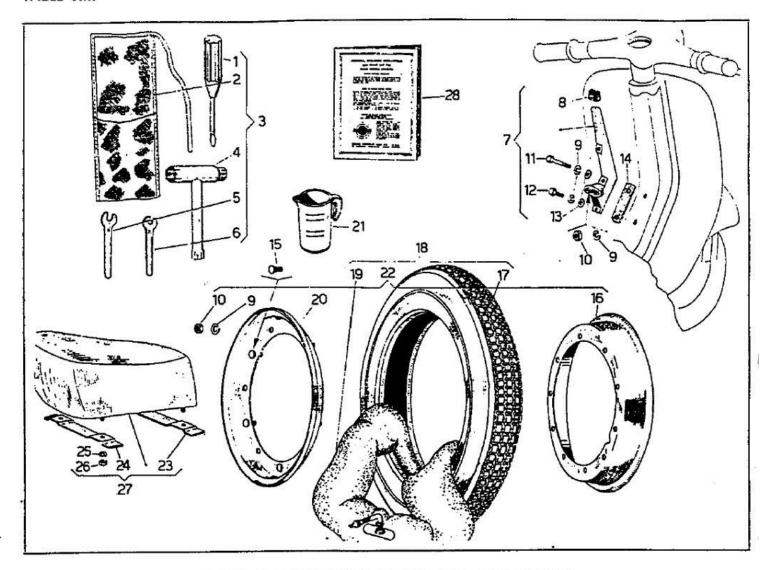
Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	24929	Nipple, carburettor side	7	26249	Nipple, handlebars side
2	70891	Cable, throttle control (With part Fig. 15).	8	70874	Sheath, gear change control (With part Fig. 3).
		The second secon	9	2777	Nipple, handlebars side
3	a) 2174 70892	Ferrule Sheath, throtle control	10	84783	Cable, clutch control (With part Fig. 9).
		(With part Fig. 3). Nipple, handlebars side	11	18699	Nipple, clutch and front brake controls
5	14657	Rippie, nandlebars side		1	01 10
6	84781	Cable, gear change control (With part Fig. 5).	12	150321	Sheath, clutch control (With partofiter%elp.com

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
13	97755	Cable, speedometer control (With part Fig. 14).	40	42047	Link, securing brake cable
	07764	1000 Miles 100 1000 1000	41	85673	Bolt securing brake cable
14	97756	Washer, plain, transmission speedometer	42	70881	Sheath, rear brake control (With part Fig. 43).
15	26252	Nipple, handlebars side	42	a) 23825	Cap, for sheath
16	150483	Cable, front brake (With part Fig. 9).	43	a) 23825 25664	Cable, control, rear brake
17	150484	Sheath, front brake (With part Fig. 3).	45	70879	Cable, rear brake, g. a. (Parts Figs. 42 - 44).
18	70895	Sheath, starter control (With part Fig. 3).	46	70893	Transmission; starter control (Parts. Figs. 7 - 18 - 19).
19	70894	Cable, starter	47	70890	Transmission, throtle control
20	15395	Nipple, screw			(Parts Figs. 1 - 2 - 4 - 7).
21.	S. 10016	Screw, for nipple	48	70872	Transmission, gear change (Parts Figs. 6 - 7 - 8).
22	70122	Pivot, rear brake pedal	49	150320	Transmission, clutch control
23	S. 12781	Split pin, pedal pivot	47	130320	(Parts Figs. 10 - 12).
24 25	70994 100426	Spring, pedal Sheath, rear brake pedal	50	71059	Transmission, speedometer (With part Fig. 13).
(9)			51	150485	Transmission, front brake
26	78930	Pedal, rear brake	"		(Parts Figs. 7 - 16 - 17).
27	S. 8818	Pin, rear brake pedal	52	78306	Pin, for starter
28	S. 793	Bolt , securing pedal support	53	78307	Washer, spring
29	S. 13878	Washer, plain	54	78305	Lever, starter control
30	5. 3106	Washer, spring	55	S. 3106	Washer, spring, securing leve
31	S. 1106	Nut, securing pedal support			
32	70119	Pedal, support	. 56	5. 1206	Nut, securing lever
33	70146	Clip, for nut	57	98568	Rod, starter
34	70147	Nut, square	58	70219	Grommet, for transmissions
35	71165	Pin, for link	59	b) 87406	Sieeve, protection
36	78931	Washer, rubber	60	3221	Clip, for cables
			61	97326	Strap, retainer, for sheath
37	S. 12761	Split pin, for pivot	62	S. 12281	Bolt, securing pedal support
38	S. 6939 S. 1426	Washer, spring, sec. cable Nut, sec. brake cable	63	S. 13880	Washer, plain, securing peda support to frame

a) Ferrules 2174 and 23825 must be lightly squashed on the cable sheath on assembly.



b) Order by meters or feet.



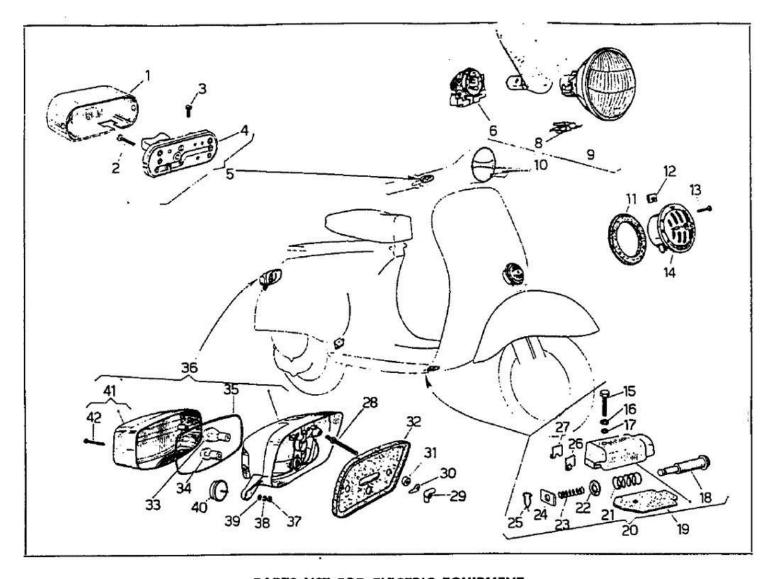
PARTS LIST FOR HAND TOOLS AND ACCESSORIES

Wheel - Tools - Accessories

(Table XIII)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	3204	Screwdriver	6	84829	Spanner, single open end 7 mm.
2	11469	Roll, tool	7	100662	Bracket, spare wheel (With parts Figs. 8 - 9 - 10 -
3	91422	Roll, tool g. a. (Parts Figs. 1 - 2 - 4 - 5 - 6).			11 - 12 - 13 - 14).
		Su-Administration (St. Administration Co. Administr	8	51199	Cap, securing wheel
4	100511	Spanner , box (11 - 14 - 21 mm.).	9	5. 3108	Washer, spring, securing spare wheel and rim
5	17856	Spanner, single open end 8 mm.	10	S. 1108	Nut, spring, securing spare wheel and rim
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are Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
4876	Bolt, securing spare wheel bracket	20	84630	Rim (With part Fig. 15).
. 12277	Bolt, securing spare wheel bracket	21	85058	Measure, for fuel mixture
5. 3058	Washer, plain	22	150934	Rim, g. a. (Parts Figs. 9 - 10 - 16 - 20)
85083	Packing, securing spare wheel bracket	23 .	98708	Bar, front, for pillion seat
	Dideket	24	98707	Bar, rear, for pillion seat
. 12468	Bolt, rim	25	\$. 3106	Washer, spring, securing pi
150718	Flange			
97882	Tyre	26	5. 1106	Bolt , securing pillion seat
150717	Wheel, g. a. Parts Figs. 17 - 19 - 22).	27	98912	Pillion seat, rear (With parts Figs. 23 - 24 25 - 26).
150442	Tube, inner	28	153000	Booklet, « Operating instrutions and parts list »
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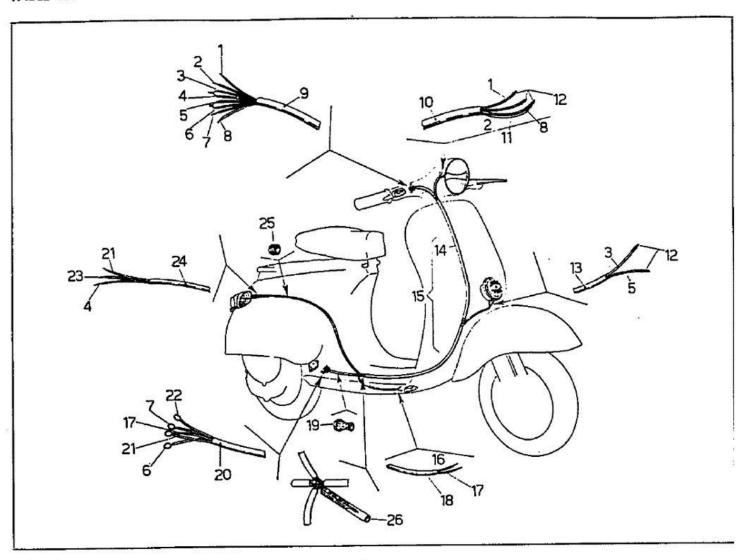
PARTS LIST FOR ELECTRIC EQUIPMENT

Head lamp - Tail lamp - Switch - Horn - STOP

(Table XIV)

Figure : Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	92813	Cover, for switch	6	70806	Socket, for bulb
2	3213	Screw, securing switch	7	16583	Bulb, double filament
3	28334	Screw, switch clamps	8	70696	Spring, securing headlamp
4	92949	Board, clamp, g. a. (With part Fig. 3).	.9	150139	Reflector
5	92654	Switch, g. a. (Parts Figs. 1 - 2 - 4).	10	150138	Headlamp, g. a. (Parts Figs. 6 - 8 - 9).

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
11	70615	Packing, for horn	28	18425	Stud, for tail lamp attachment to chassis
12	S. 8088	Spring, securing horn	29	15178	Wing nut, for tail lamp attach-
13	S. 8431	Screw, self tappin			ment to chassis
14	70300	Horn	30	16627	Washer, spring, for tail lamp attachment to chassis
15	S. 14725	Bolt, securing stop switch	31	21473	Spacer, tail lamp attachment to chassis
16	S. 3104	Washer, spring	NACES		
1 <i>7</i>	S. 3054	Washer, plain	32	101060	Gasket, between chassis and tail lamp
18	70140	Plunger, stop switch	33	92184	Bulb, STOP
19	70144	Packing, for STOP switch	34	92031	Bulb, registration plate
20	70138	Switch, STOP	35	150555	Packing, for glas
		(With parts Figs. 18 - 21 - 22 - 23 - 24 - 25 - 26 - 27).	36	100772	Rear lamp, g. a. (With parts Figs. 28 - 35 - 37 - 38 - 39 - 40 - 41).
21	70141	Spring, for STOP switch	37	S. 1003	Nut, for red reflector
22	55322	Washer, shoulder	3/	3, 1003	
23	70726	Spring, STOP switch	38	S. 3103	Washer, spring, for red reflec- tor
24	55324	Thrust plate	39	S. 3053	Washer, plain, for red reflec- tor
25	55325	Spring	40	70557	Red reflector, for tail lamp
26	70142	Lamella, R. H.	41	1 5 0552	Glass, rear lamp with screws Fig. 42.
27	70143	Lamella, L. H.	42	150553	Screw, securing glass
					scooterhelp.com



PARTS LIST FOR ELECTRIC EQUIPMENT

Cable harness

(Table XV)

Figure Number	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
1	97527	Cable, from switch to head lamp	6	97656	Cable, from low tension socke to switch
2	97528	Cable, from switch to head lamp	7	97533	Cable, from low tension socke to switch
3	97531	Cable, from switch to horn	8	97939	Cable, from switch to head lamp
4	101114	Cable, from switch to tail lamp			Α
5	99114	Cable, from switch to horn	9	97542	Tube, insulating, for switch cables

figure Iumber	Spare Part	DESCRIPTION	Figure Number	Spare Part	DESCRIPTION
10	97689	Tube, insulating, for head lamp cables	18	57198	Tube, insulating, for STOR cables
11	97541	Cable, for head lamp earth	. 19	48170	Cap, insulating, for L. T. socke
12	26930	Plug, for headlamp and horn cables	20	97544	Tube, insulating, for L. T. socke cables
13	20970	Tube, insulating, for horn ca- bles	21	97536	Cable, from L. T. socket to STOP light
14	97660	Tube, insulating	22	97538	Cable, for L. T. socket earth
15	101113	Wiring, g. a. (Figs. 1 - 2 - 3 - 4 - 5 - 6 -	23	97539	Cable, for tail lamp earth
		7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 16 - 17 - 18 - 20 - 21 - 22 - 23 - 24 - 26).	24	97545	Tube, insulating, for tail lamp
16	97540	Cable, for STOP switch	25	15098	Grommet
17	97537	Cable, from L. T. socket (coil Nr. 1) to STOP switch	26	92848	Tube, insulating
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