OPERATING INSTRUCTIONS AND PARTS LIST FOR



MOTOR SCOOTER

MODEL NUMBER 788.94495—

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

INTRODUCTION

This model of motor scooter has a new and modern type of engine in which the distribution is realised by the crankshaft (rotary valve distribution).

The carburettor, installed on the crankcase, is in direct communication with the pre-compression chamber in corrispondence to the external diameter of one of the crankshaft flywheels (see fig. 11): the periphery of the flywheel rotates very close to the crankcase, without touching it; a portion in the periphery of said web is ground off, and controls the fuel flow to the pre-compression chamber, thus acting as a rotary valve.

The recess on the web periphery has been shaped in such a way as to give the maximum volumetric efficiency, an asymmetrical distribution diagram being achieved.

It must be noted that crankweb and crankcase are kept gas tight by the film of oil which forms between them and not by direct contact; in this way the system is not subject to wear by friction, as is usually the case with similar devices.

The intake pipe is very short; it is therefore only the carburettor which slows down the flow of fresh charge to the engine.

The advantages of a correct feeding system are therefore clear; more power with low revs, and so a more elastic engine. The intake pipe leads therefore into the pre-compression chamber and the fresh charge contacts directly the con. rod big end; in this way the bearings are so efficiently lubricated as to permit reducing, the percentage of oil in the gasoline (2%).

The improvement which the rotary valve brings to the thermo-dynamic performance of the engine can be appreciated by considering the flatness of the power curve; this, as is well known, makes the engine capable of functioning on a wide rpm range and of adjusting itself automatically, with slight variation of speed, to all forms or resistance which the scooter must overcome (head wind, gradients etc.).

The proverbial climbing ability of this motor scooter is enhanced in this model. All gradients normally encountered on main roads can easily be climbed in 3rd gear, even with two people on board; any slope can be climbed at speed in 2nd gear, while the 1st gear gives initial acceleration and is particularly useful on bad surfaces and side roads.

Another advantage of the rotary valve is that it eliminates back pressure, i. e. prevents some of the fresh fuel from being pushed back from the pre-compression chamber towards the carburettor and wasted, at the beginning of the downward stroke of the piston.

Engine performance is also improved by the adoption of a spherical headed piston and a combustion chamber on the cylinder head of a special form which gives rise to higher turbulence, thus resulting in higher compression ratio and thence increase in both specific power and out-put.

Finally the carburettor, which is housed in the air cleaner, is similar to those used in the car industry, with plate-shaped slide valve and immersed jets: this has reduced fuel consumption and improved the general performance of the engine.

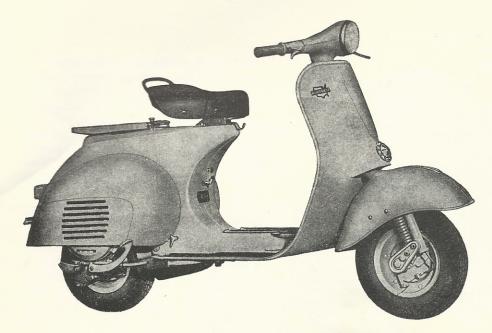


Fig. 1 - ALLSTATE « Cruisaire » Motor Scooter

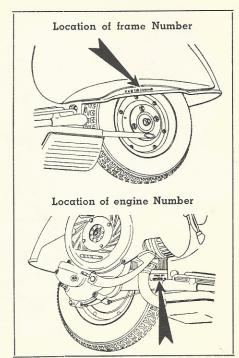


Fig. 2 - Location of serial numbers.

Serial numbers are preceded by prefixes: VA 12 T, for frame; VNB 1 M,
for engine.

WARNING

In order to keep your ALLSTATE Scooter in perfect running condition and not to void the guarantee, always have your machine repaired at a Sears, Roebuck and Co. Store.

Special care should be taken with regard to the fuel mixture which should be regular gasoline and oil of the make, grade and in the amount prescribed in this booklet.

Ethyl gasoline should never be used.

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

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

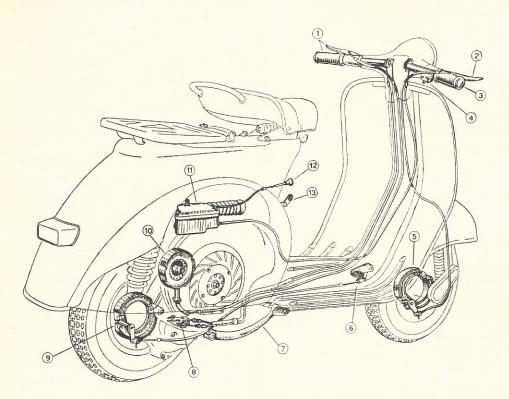


Fig. 3 - Controls of Allstate Scooter

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 shifter - 9. Rear brake jaws. 10. Clutch - 11. Carburettor, air cleaner - 12. Choke control lever - 13. Fuel cock.

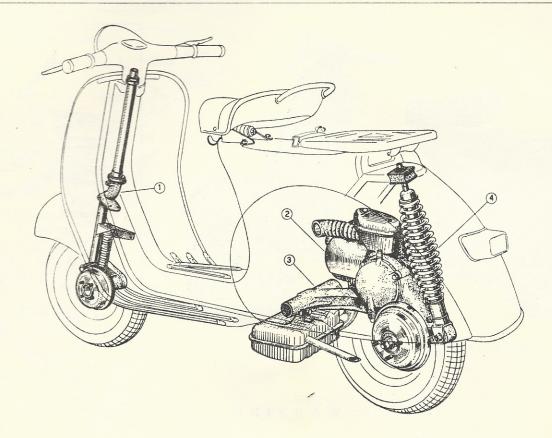


Fig. 4 - Engine installation and suspensions.

1. Steering column and front suspension - 2. Engine - 3. Crankcase half, clutch side, with swinging arm - 4. Rear suspension spring with hydraulic damper.

MAIN SPECIFICATIONS

| Fuel consumption: | | | | | | | |
|----------------------------|--|---|----|---|--------|--------|----|
| (Gasoline - oil mixture) . | | 1 | 30 | m | iles p | er gal | L. |
| Max. speed | | | | | | | |
| Wheel base | | | | | | | |
| Max. width on handlebars | | | | | | | |
| Max. length of the scooter | | | | | | | |
| Max. height | | | | | | | |
| Min. height of floorboard. | | | | | | | |
| Turning circle | | | | | | | |
| Weight (unladen) | | | | | 182 | lbs. | |

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

Suspension. - Front wheel: coil spring. Rear wheel: coil spring and coaxial hydraulic shock absorber.

Engine. - Two-stroke, flat cast iron cylinder and cast aluminium alloy cylinder head. Cooling effected by centrifugal fan.

| Displacement | | | | 123.4 cc. | (7.53) | cu. | in.) |
|-----------------|------|--|--|-----------|--------|------|------|
| Bore | | | | 52.5 mm. | (2.06) | in.) | |
| Stroke | | | | 57 mm. | (2.24) | in.) | |
| Effective power | | | | | | | |
| Compression re | atio | | | 7:1 | | | |

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. - 3-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 | | | | 12.2 | to |] |
|-------|---|--|--|------|----|---|
| Secon | d | | | 7.6 | to | 1 |
| Third | | | | 4.85 | to | 1 |

Clutch. - Wet type; multiplate, with facings of cork composition applied to the driving discs.

Ignition. - By flywheel magneto.

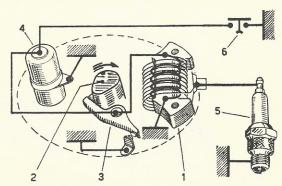


Fig. 5 - Ignition diagram

l Ignition coil in flywheel magneto - 2. Rotor cam - 3. Breaker - 4. Condenser - 5. Sparkplug - 6. Engine cut-out on switch.

Lubrication. - By oil the in fuel mixture for piston, cylinder, wrist pin, con. rod, cranshaft, main bearings. Both clutch and gear box operate in oil bath.

Carburettor. - With float-chamber (see fig. 11); air cleaner mounted on the engine. Air goes to the carburettor through a large inlet tube and a silencing chamber with filter having incorporated choke valve.

Model of carburettor: Dell'Orto SI 20/15 B - Venturi 15 mm (0".59) - Main jet 82/100 (0".0323) - Idler jet 42/100 (0".0163) - Air-vent for main jet 100/100 (0".0394) - Air hole on mixer top 150/100 (0".059) - Mixer type E 2. - Air-vent to idler jet 160/100 (0".063) - Spray nozzle 200/100 (0".0788) - Float chamber fuel level 20.5 ± 1 mm. (0".87) - Oil recovery vent 50/100 (0".0197).

Feeding. - Fuel feed to the carburettor is provided for by gravity (see fig. 11) with gasoline-oil mixture.

Fuel tank. - Total capacity: 2.03 gals.; Reserve: $\sim \frac{1}{3}$ gal.;

Three--way cock: «open» - «closed» - «reserve»

Muffler. - Expansion and absorption combined type.

Handlebars. - Consisting of two arms in steel tube, clamped in a support which is fixed to the steering column. The central part of handlebars is completed by two shells in pressed steel sheet. The headlamp is installed therein. All control cables and electric wires, to be connected to the handlebars, are concealed inside it.

Steering column. - The steering column bears the handlebars, clamped on its top end, and the front wheel swinging hub, pivoted at its bottom end through a stub axle.

Lighting and horn. - By flywheel magneto, feeding both head lamp (two-beam), tail lamp, horn and stop light (see fig. 9).

Brakes. - Expanding type.

Front brake: control lever on right hand side of handlebars.

Rear brake: control pedal on right hand side of floorboard.

Wheels. - Of pressed steel sheet, interchangeable and easily removable, since they are assembled in an automobile-like system.

Tires: dia. 3.50×8 in.

Steering Lock. - A suitable security lock is arranged on the frame, near the handlebars. Turning the key counter-clockwise and the handlebars to the left, the lock engages the lugs welded on the steering column, so that the machine can only turn around. Turn the key clockwise and the handlebars back to normal position for releasing the steering system (see Fig. 7). Do not attempt to ride the machine unless the key is in, and remains in the lock, and the handlebars are moving freely.

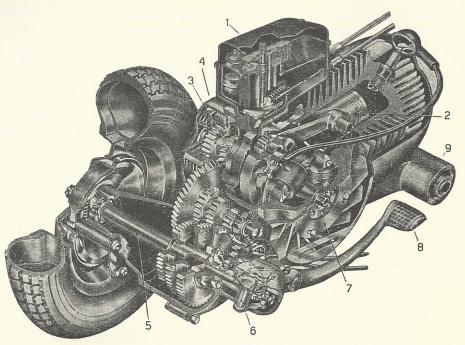


Fig. 6 - Section of engine

l. Air cleaner and carburettor - 2. Piston - 3. Crankshaft 4. Clutch - 5. Mainshaft 6. Gear shifter - 7. Flywheel magneto 8. Kickstarter 9. Crankcase half, clutch side, with swinging arm.

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.

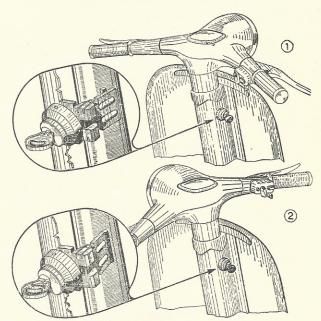


Fig. 7 - Security lock
1. Normal position - 2. Closed

Tool Kit. - 1 four-end box wrench (11 - 14 - 21 - 22 mm); 1 double open-ended wrench (8 - 14 mm); 1 single open-ended wrench (7 mm); 1 screw-driver. These hand tools are contained in a canvas roll which is placed in the left wing.

Accessories (See Table XX). - On request the Allstate scooter can be equipped with the spare wheel (and bracket) and speedometer.

Spare wheel and bracket (see fig. 8). - The wheel bracket sheet steel pressing, can be secured to the scooter frame behind luggage carrier (see Table XX, « Spare parts list »).

It is very robust and simple and holds the wheel

in such a position where it is easily accessible.

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

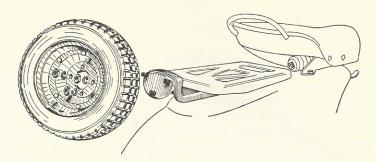
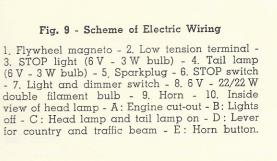


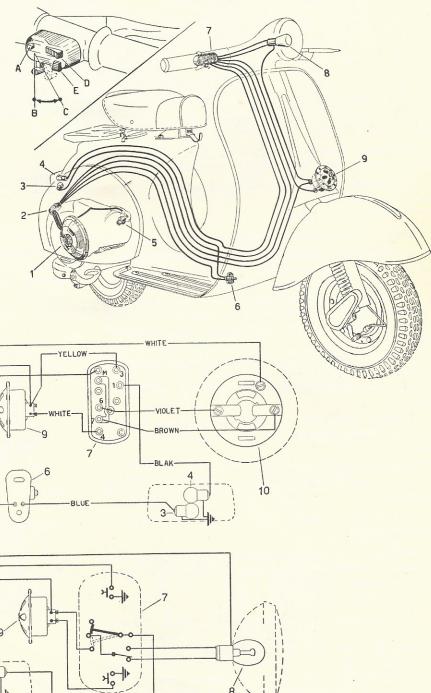
Fig. 8 - Spare wheel and bracket

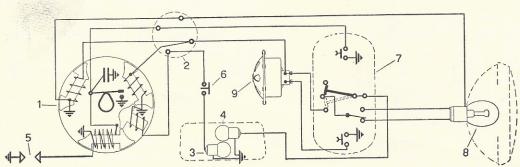


YELLOW

-RFD-

YELLOW:





YELLOW

RED

HOW TO ASSEMBLE THE SPEEDOMETER (WITH MILE DIAL)

(See fig. 10)

- Take off the head lamp and disengage the top shell of handlebars from the inside hub, then remove the cover of the speedometer housing from the top shell.
- With the help of a pilot wire slide in into the steering column from the top end the sheath « A » for the flex drive, until it emerges from the bottom end (indicated with an arrow in the figure).
- Assemble packing «C» and then the speedometer head «B» on the upper shell of handlebars; fit the packing «D» and support «E» on speedometer boss, then secure firmly with nut «F».
- Pull the pilot wire out of the sheath, grease the flex drive generously and slide it in.
- Place the upper end of the flex drive into housing in the speedometer head and secure both flex drive and sheath by means of knurled ring «G».
- Re-assemble the upper shell and head lamp.
- Unscrew the plug « H » from the swinging hub.
- Fill up hub with grease the in order to lubricate the portion of the wheel spindle meshing with the speedometer drive pinion «I».
- Mate the pinion «I» to the support bush «L», then mount ring (with lubricator) «K» on the latter; screw the support bush «L» on the wheel hub.
- Slide the rubber cap « N », the threaded ring « O » and biconical ring « P » over the sheath end; fit the washer « Q » on the cable portion which protrudes from the sheath, pass the latter between the front brake control cable and the wheel, then screw and tighten threaded ring « O » on bush « L » and position rubber cap « N ».
- Make sure that the end of the flex drive enters the square section hole of the speedometer drive pinion.

- Rotate the wheel by hand for several times in order to make sure that it turns freely.
- Grease pinion « I » support bush « L » assy through lubricator on ring « K ».

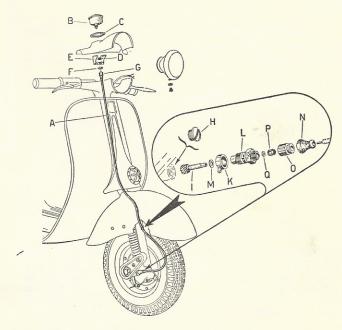


Fig. 10 - How to assemble the speedometer unit

Due to the simple and conventional design of the Allstate scooter, no particular skill is required for its operation, nor skilled personnel for its maintenance.

The tasks can be quite well carried out by any customer, even unexperienced, by carefully following some general rules.

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.:

 $-\frac{1}{4}$ pint of oil to $\frac{1}{2}$ gallons of gasoline.

When using pre-diluted or additive oils, or oils for outboard 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 « OLIO » as indicated on page 11 Fig. 20, to check oil level in gear box before starting the engine. The scooter standing upright, oil should just be about to flow out; otherwise top up with ALLSTATE REGULAR S.A.E. 30.

Running-in. - Important rules to be followed while running-in (1200 miles):

- Do not exceed following speeds:
 lst gear 9.5 mph
 2nd gear 19 mph
 3rd gear 31 mph
- Do not hold these max speeds for long periods neither use full throttle opening up-hill.
- 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, lift the choke rod. Push said rod back as soon as the engine fires.

See Fig. 11; note the three positions of the fuel valve: open, closed, reserve.

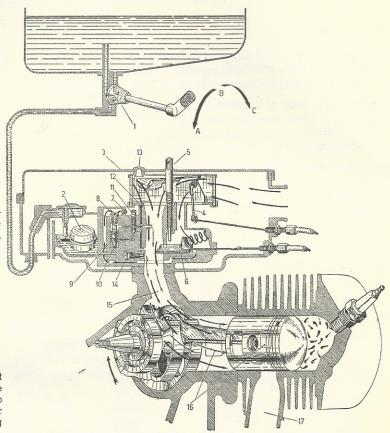
Caution. - Do not open throttle wide when releasing clutch.

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.

Fig. 11 - Feeding circuit

1. Fuel cock lever: A) Reserve, B) Open, C) Closed - 2. Float - 3. Air cleaner - 4. Choke lever - 5. Set screw for throttle slide - 6. Throttle slide - 7. Air vent for main jet - 8. Hole on mixer top - 9. Mixer - 10. Main jet - 11. Idling jet - 12. Air vent for idling jet - 13. Plug for inlet hole for oil: for laying up - 14. Idling adjuster - 15. Intake port - 16. Transfer ports - 17. Exhaust duct.



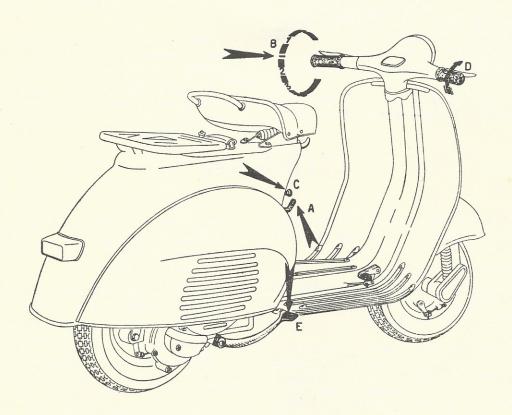


Fig. 12 - Operations to carry out for starting the engine

A: open the fuel cock - B: select « neutral » - C: choke (with cold engine) - D: throttle control grip in idling position - E: depress the kickstarter and turn grip «D» by short strokes.

For access to the engine, take off the engine cowling, then proceed as follows.

- Pull the lever «1» (Fig. 13)) and turn it so as to release it from bonnet. Then move the bonnet slightly outwards ,until front pivot «2» disengages from the hole on the frame.
- Push the bonnet from the front upwards and turn it (see position indicated by dotted line), thus releasing the fixing hook « 3 » from frame.
- Move bonnet outwards round its hooked pivot « 4 » until the latter disengages from the hole on frame. Thus the bonnet is removed.

For re-assembly, follow the reverse procedure.

Setting the machine in motion. - Let the engine idle, depress the clutch and turn the gear change twist-grip so that the line engraved on it coincides with the figure « l » (1st gear) engraved on handlebars (see Fig. 14). 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

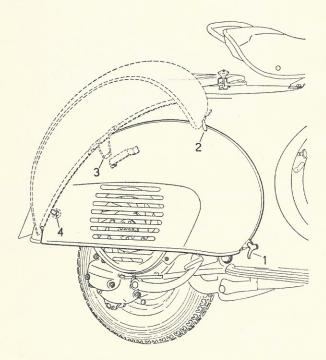


Fig. 13 - Engine bonnet removal

1. Engine bonnet blocking lever - 2. Front pivot - 3. Fixing hook - 4. Hooked pivot

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.

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

See the drive system on Fig. 14.

When you reduce the speed of your machine, change down without delay to avoid irregular engine running and stalling at low revs.

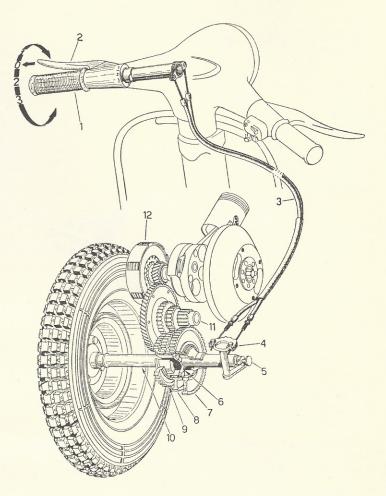


Fig. 14 - Drive system

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

N.B. - Positions 1-2-3 of the gear change twistgrip correspond to lst, 2nd and 3rd gear respectively; « 0 » indicates the neutral position.

Do not turn the gear change twistgrip while the engine is not running.

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

Slow running adjustment. - No hand tool is required for this job. Idling revs can be raised or reduced respectively by simply tightening or slackening the knurled slotted screw on air cleaner steel sheet cover (No. 5, Fig. 11). This screw controls the throttle slide valve.

The adjuster screw for the throttle control cable is installed on the air cleaner case. This screw is to be reset only when necessary and while dismantling and re-assembling. Opposite to said adjuster screw there is on the air cleaner case a plugged hole for access to another screw (spring loaded); see Fig. 11 No. 14. This screw controls the flow of carburated air through the duct from the idling jet, and consequently the idling revs. We recommend that customers refrain from re

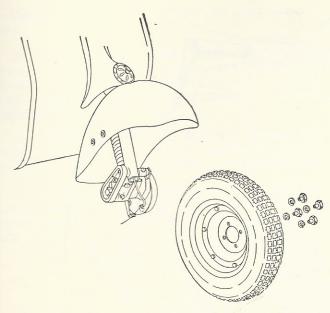


Fig. 15 - Dismantling the front wheel.

setting this screw unless absolutely necessary or during dismantling and re-assembling operations that should, anyway, be entrusted to a Sears Store.

Stopping the engine. - 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 four nuts which secure the wheel to its flange, pull wheel sideways off the studs (see Fig. 15), repair it or replace with spare wheel.

To remove the tube, first deflate, then separate the felloe from the ring by unscrewing the nuts which join them (see Fig. 16).

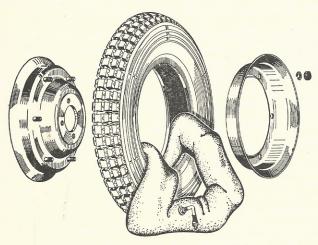


Fig. 16 - Removing the inner tube

Tire pressure should be $18 \div 20$ psi on rear wheel, $14 \div 15.5$ psi on front wheel. If the Allstate is ordinarily ridden by both driver and passenger, the pressure of the rear tire should be $28.5 \div 31$ psi.

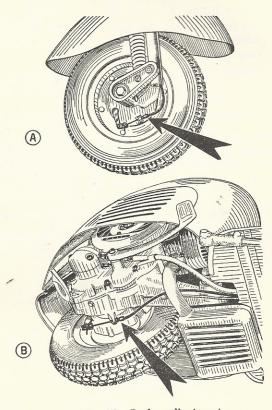


Fig. 17 - Brake adjustment

Brake adjustment. - Brakes are properly adjusted if:

- the wheel rotates freely when respective control lever or pedal are in resting position;

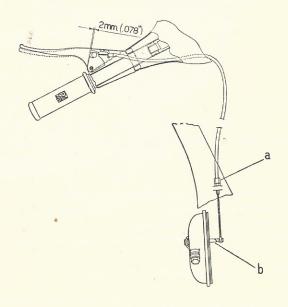


Fig. 18 - Adjustment of clutch control

a) Adjusting nut - b) Clutch lever, engine side

 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. 17.

Adjustment of clutch control. - Adjustment of clutch controls is achieved operating on adjusting nut (α) , screwed to the engine bracket (see Fig. 18), by means

of open end wrench 82199 in the tool roll.

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 riding conditions.

MAINTENANCE

Cleaning the scooter. - Brushing kerosene and wiping dry with 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 surface.

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 from the cranckase the level screw marked «OLIO» (see Fig. 21). 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 13. The crankcase can be drained through the hole indicated in Fig. 21.

Every 2.500 miles:

- (1) Remove the air cleaner from the carburettor and wash it in a $30\,\%$ gasoline-oil bath.
- (2) Check oil level in the gear box (see above).
- (3) Grease all joints on the brake controls.
- (4) 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 230 A-T; Marelli CW 225 N-T; Marelli CW 225 A-T; Bosch W 225 T1; Champion L. 86; AC 43 F; KLG F 70 or F 75.

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

- (5) Grease the felt which lubricates the cam of flywheel magneto.
- (6) Clean the two lubricators on front wheel hub and refil 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 (if mounted).

(8) - Clean the muffler and decarbonize the engine as explained hereunder. Remove the muffler, the cooling hood, the cylinder head and the cylinder (see Fig. 20). 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

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.

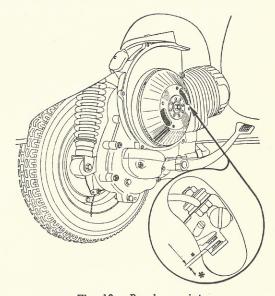


Fig. 19 - Breaker points

* Max. gap of breacker points should be 0.011"—0.019"

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.

Every 5.000 miles:

(1) - Clean the breaker points.

In order to avoid ignition troubles or abnormal running, have the breaker points adjusted in a use Sears stores; 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.

- (2) Grease the control cables.
- (3) Change the oil in the gear box, as stated on page 13.
- (4) Grease the ratchet quadrant of the gear shifter.

Disuse:

- (1) In such a case, cleaning the scooter throughly is advisable.
- (2) With engine not running and with throttle control twistgrip completely rotated, (full throttle opening) pump 40 cc. of Allstate-Regular Oil SAE 30 or Allstate Outboard Motor Oil through hole in the air cleaner cover into the carburettor intake, by means of an oiler. Then operate the kickstarter three of four times.
- (3) Rest the floorboard on two wooden blocks in order to take the weight off the tyres.

- (4) Drain all fuel from both tank and carburettor.
- (5) Grease all unpainted metal parts.

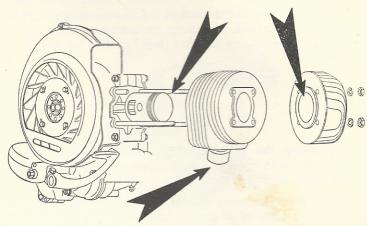


Fig. 20 - Cleaning the cylinder head, cylinder and piston

LUBRICATION CHART FOR ALLSTATE

| PART TO BE LUBRICATED | OPERATION | TIME | TYPE OF LUBRICANT |
|---|---|--|---|
| Engine | Mix gasoline with the following amount of lubricating oil: — 1/4 pint of oil to 1 1/2 gallons of gasoline. N.B With pre-diluted or additive oils, mix 1/4 pint of oil to each gallon of gasoline. | At each refilling of the fuel tank | Pure mineral oil SAE 30 |
| Gear Box | Warm up the engine and drain off all oil. Pour some fresh oil in and run the engine for a few seconds. Drain again and refill with new oil (about 7 oz.). | After the first 600 miles and every 5000 miles | Allstate Regular SAE 30 |
| | Refill with new oil to oil level hole. | Every 5000 miles | |
| Front wheel hub Speedometer flex drive and pinion | Lubricate with grease gun. | Every 2500 miles | High Pressure Chassis Grease |
| Joints on brake controls | Grease. | Every 2500 miles | Allstate all-purpose Gear Lubricator SAE 140 |
| Shock-absorber | Change oil. | Only when the shock-absorber is out of order | Allstate Shock Absorber Fluid |
| Control cables | Clean and lubricate. | Every 5000 miles | Allstate all-purpose Gear Lubricator SAE 140 |
| Felt of flywheel | Small spot of grease on the felt | Every 2500 miles | Allstate Bearing Grease |
| Ratchet quadrant of gear shifter | Grease. | Every 5000 miles | Allstate all - purpose Gear Lubricator SAE 140 |

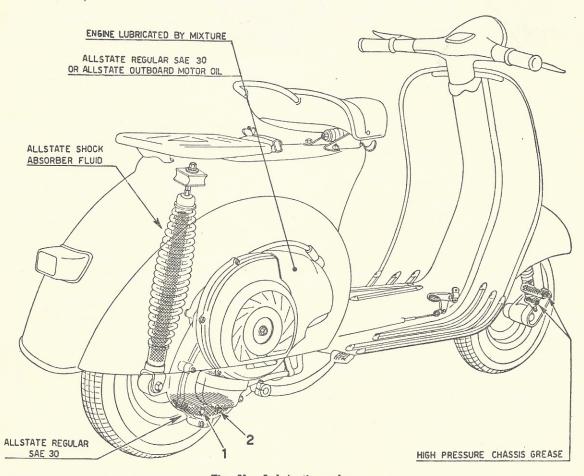
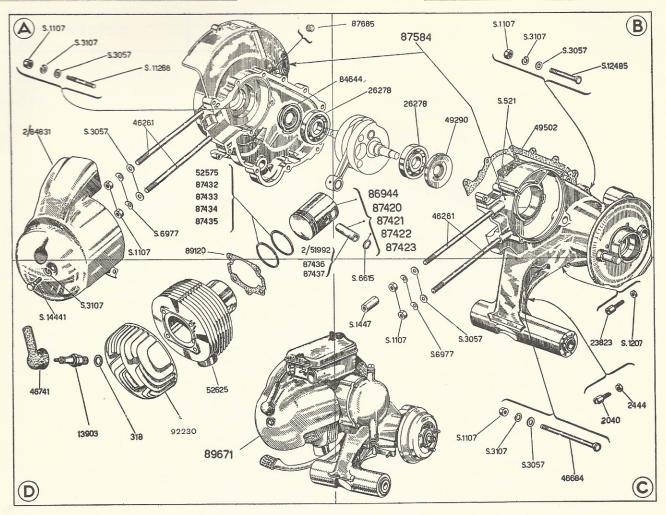


Fig. 21 - Lubrication scheme 1. Filling hole - 2. Draining hole

LOCATING TROUBLES AND RUNNING IRREGULARITIES Carry out following checks when the engine does not start easily or runs irregularly.

| - | | Remedies | Locating the trouble | Remedies |
|----------------|---|--|---|--|
| L | Locating the trouble | nemedies | 200411119 | |
| | DIFFICULT | STARTING | 4 Clutch troubles a) Clutch snatches: Gear pinions not lubricated properly | Top up oil level. Tighten the screw on draining hole |
| | - Fuel system uel tank empty | Turn to « reserve ». Refill as soon as possible. | b) Clutch slips: Springs feeble Plates worn or burnt | Replace Replace both plates and springs |
| E C | ilter on carburettor uel tap body Carburettor body Cain jet Ltomizer | Remove and wash in gasoline - Blow dry | c) Clutch does not disengage completely: Excessive play on control cable | Adjust (see fig. 18) |
| п | acking of fuel tap / | | 5 Gear pinions disengage of own accord | The state of the s |
| П | Engine flooding | See page 8 | Gear change control cables out of adjustment | |
| | Float perforated | Replace | | Should the control have excessive play in neutral, tension |
| 11 | Air cleaner choked or dirty | Clean (see page 11) | | control cables by screwing back the respective adjuster |
| 1 | Choke flap sticking in position closed > | Release | | screw (on cable sheath end, ratchet quadrant side) with an 8 mm open ended wrench. |
| : | 3 Ignition | Disconnect the plug lead. Check if sparking occurs between lead and crankase when the kickstarter is operated. | | If the cable tension in neutral is correct but the reference marks of the handlebars do not tally, tighten one of the |
| | Sparkplug dirty | Clean. Correct gap to 0.6 mm. (.023") | | adjuster screw and unscrew the other one to the same extent, so that the cable ten- sion is not altered. |
| | Porcelain of sparkplug cracked | Replace the plug | Spring of stirrup broken, feeble | Replace |
| I | Breaker points dirty, partially worn or pitted | Clean with suitable files or very fine emery paper | or missing Selector arms chamfered | Replace the selector |
| ı | Gap between breaker points in- correct | Correct (see fig. 19) | Dogs of gear pinions chipped or worn | Replace the pinions |
| H | Breaker points completely worn or pitted | Replace | 6 High fuel consumption I - Fuel level too high in car- | |
| l | Timing wrong | Re-time ignition | burettor : Float perforated | Replace |
| ı | INCORREC | T RUNNING | II - Air cleaner chocked or dirty | Clean with pure gasoline and blow dry. Dip the metal wad- ding into a 30% gasoline-oil |
| | 1 Lack of power | (1) | | bath |
| П | Muffler outlet pipe carbonized | Clean (see page 11) | III - Jets or air vents of the car- | Dismount and clean carburettor |
| | carbon deposit | Decarbonize cylinder, piston and cylinder head | burettor blocked or dirty; incorrect or increased dia- meter | air. For type and diameter of jets |
| | Cylinder base gasket not sealing | Replace | | and vents, see page 5. |
| | 2 Poor compression | Tighten (21 mm box wrench) | IV - Retarded ignition | Re-time |
| | Sparkplug not well screwed down in cylinder head | | V - Poor compression. | See No. 2 of this paragraph |
| | Cylinder head not fitting properly into the spigot on top of cylinder | Set the head properly and tighten the nuts | 7 Controls not operating properly Inner cables rusted | Lubricate or, if necessary, replace |
| | Piston rings gummed up | Clean the rings and grooves | Excessive play | Adjust |
| | 3 Explosions at muffler or car- burettor | | 8 Steering column becomes | |
| | Sparking plug carbon-coated or with excessive electrode gap | Replace or clean the plug and correct the gap to 0.6 mm (.023") | Top race of top ball bearing too tight | n 1 |
| | Carbon pearls on sparkplug insulation | Clean | Bottom races of the two bear- ings pitted | періасе |
| in The Control | Pre-ignition | a) Fit on a proper type of spark- plug b) Re-time the ignition | 9 Excessive play of steering column Top race of top bearing loose | Timbton |
| | Tip of contact breaker loose | Replace | 10 Poor braking | Adjust (see Fig. 17) |
| | Condenser screw loose | Tighten | Stroke of pedal or lever too long Brake linings oily or worn down | Wash with gasoline or replace |
| | Not enough mixture flowing to the carburettor | See paragraph «Difficult start- ing », No. 1 | | Replace |



PARTS LIST FOR ENGINE

Crankcase - Cylinder

(TABLE I)

| | | Crankcase | - Cymraer | | (IABLE I) |
|----------------|------------------|---|----------------|------------------|--|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| | | | | | |
| 318 | D | Gasket, copper, of sparkplug | 2/84831 | A | Hood, cooling |
| 2040 | C | Adjuster of clutch | 84644 | В | Seal, spring loaded, for crankcase, |
| 2444 | C | Nut | | | flywheel side |
| 13903 | D | Sparkplug, with gasket | 86944 | В | Piston, with standard wrist pin (with 2/51992 - S. 6615) |
| 23823 | C | Adjuster of rear brake | 87420 | В | Piston, 1st oversize, with wrist pin |
| 26278 | В | Ball bearing, of crankshaft | | | (with 2/51992 - S. 6615) |
| 46261 | A-B | Stud, long, cylinder fastening | 87421 | В | Piston, 2nd oversize with wrist pin (with 2/51992 - S. 6615) |
| 46684 | C | Bolt, securing crankcase halves | 87422 | В | Piston, 3rd oversize with wrist pin |
| 46741 | D | Cap, rubber, for sparkplug | 0/422 | Д. | (with 2/51992 - S. 6615) |
| 49290 | В | Seal, spring loaded, for crankcase, clutch side | 87423 | В | Piston, 4th oversize with wrist pin (with 2/51992 - S. 6615) |
| 49502 | В | Gasket, crankcase | 87432 | A | Ring, piston, 1st oversize |
| 2/51992 | A | Wrist pin | 87433 | A | Ring, piston, 2nd oversize |
| 52575 | A | Ring, piston, normal | 87434 | A | Ring, piston, 3rd oversize |
| 52625 | A | Cylinder | | | |

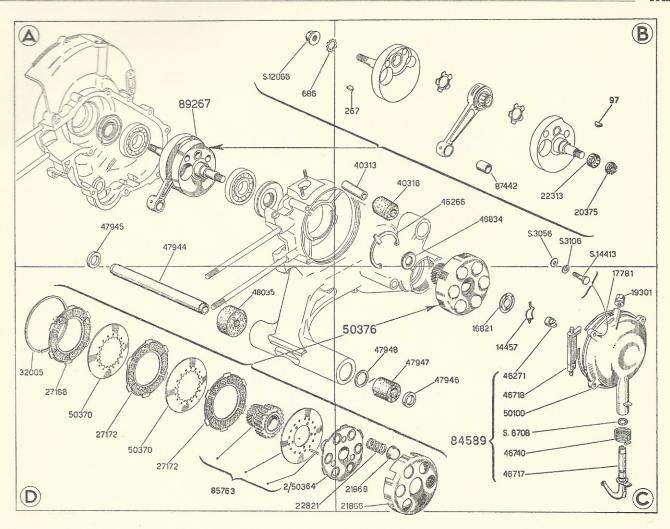
Parts list for engine — Crankcase - Cylinder - Continued

| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|----------------|------------------|---|----------------|------------------|------------------------------------|
| 87435 | A | Ring, piston, 4th oversize | S. 521 | В | Stud, for fixing carburettor |
| 87436 | D | Wrist pin, 1st oversize | S. 1107 | Ā-B-C | Nut, for locking cylinder head and |
| 87437 | D | Wrist pin, 2nd oversize | | | crankcase halves |
| 87584 | В | Crankcase halves (Parts n. 12869 - | S. 1207 | C | Nut |
| | | 40313 - 40316 - 46261 - 46631 - 46684 - 47160 - 47161 - 47944 - 47945 - 47946 - 47947 - 47948 - | S. 1447 | C | Nut, spacer, hood fixing |
| | | | S. 3057 | A-B-C | Washer, plain |
| | | 48000 - 48002 - 48035 - 49502 - 51:255 - 54071 - 81842 - 82086 - | S. 3107 | A-B-C-D | Washer, spring |
| | | 87685 - S. 521 - S. 1107 - S. 3057 - S. 3107 - S. 10790 - S. 11288 - | S. 6615 | C | Circlip, for locking wrist pin |
| | | S. 12485) | S. 6977 | A-C | Washer, spring |
| 87685 | В | Plug, on crankcase, flywheel side | S. 11288 | A | Stud, securing crankcase halves |
| 89120 | A | Gasket, cylinder base | S. 12485 | В | Bolt, short, securing crankcase |
| 89671 | D | Engine, g. a. | | | halves |
| 92230 | D | Head, cylinder | S. 14441 | D | Screw, hood fixing |

PARTS LIST FOR ENGINE Crankshaft - Clutch

(TABLE II)

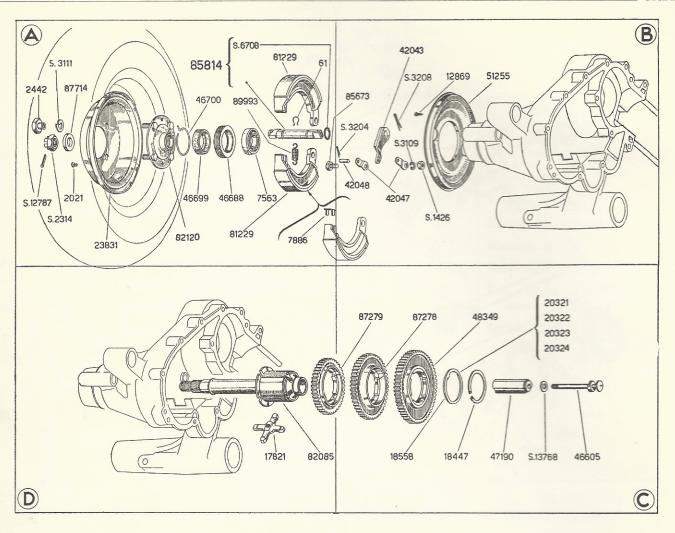
| Part | Table | DESCRIPTION | Part | Table | DESCRIPTION |
|--------|---------|--|----------|---------|---|
| Number | Section | DESCRIPTION | Number | Section | |
| 97 | В | Key, woodruff, for crankshaft | 27188 | D | Driving disc, external, of clutch |
| | | (clutch side) | 32005 | D | Ring, elastic, for stopping clutch |
| 267 | В | Key, woodruff, for crankshaft | | | plates |
| | | (flywheel side) | 40313 | В | Spindle, hollow, for hydraulic shock- absorber |
| 686 | A | Washer, shake proof, for nut securing flywheel | 40316 | В | Bush, bottom, rubber, of shock- absorber |
| 14457 | С | Spring, for fixing clutch centralizing plate | 46266 | В | Circlip, locking spacer |
| 16821 | С | Plate, clutch centralizing | 46271 | C | Piston, slotted thrust, of clutch |
| 17781 | C | Gasket, between clutch cover and | 46717 | C | Lever, outer, clutch control |
| 17701 | | crankcase | 46718 | C | Lever, inner, clutch control |
| 19301 | C | Breather, with inserts | 46740 | С | Spring, return, of outer clutch con- |
| 20375 | В | Nut, castle, for securing clutch | | | trol lever |
| 21866 | D | Body clutch | 47944 | Ā | Spindle, hollow, for engine suspension |
| 21868 | D | Cup, clutch spring | 47945 | Ā | Spacer, flywheel side |
| 22313 | В | Washer spring, for castle nut securing clutch | a) 47946 | С | Spacer, clutch side |
| 22821 | D | Spring, clutch | 47947 | C | Bush, rubber, clutch side |
| 27172 | D | Plate, clutch, with linings | 47948 | С | Washer, plain |



Parts list for engine - Crankshaft - Clutch - Continued

| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|-------------------------|------------------|--|-----------------------|------------------|---|
| 48035 48834 50100 | D B | Bush, rubber, flywheel side Washer, shim, of clutch gear Cover, clutch, with inserts | 87442 89267 | B A | Bronze bush of con. rod small end Crankshaft (with part n. 87442) |
| 2/50364 50370 | D D | Plate, spring, of clutch Plate, smooth, of clutch | S. 3056 | В | Washer, plain, for securing clutch cover |
| 50376 | С | Clutch, g. a. (Parts n. 21866 - 21868 - 22821 - 27172 - 27188 - 32005 - 2/50364 - 50370 - 85763) | S. 3106 | В | Washer, spring |
| 84589 | C | Cover, clutch with lever and thrust piston (Parts n. 19301 - 46271 - | S. 6708 | С | Packing, between clutch cover and outer lever |
| , | - | 46717 - 46718 - 46740 - 50100 - S. 6708) | S. 12066 | A | Nut, securing flywheel |
| 85763 | D | Gear, clutch | S. 14413 | В | Screw, securing clutch cover |

a) Parts 48988 or 48989 can be assembled instead of spacer 47946, to attain an axial force in the bush 47947 to give $0 \div 1.5$ mm. $(0 \div .06")$ compression.



PARTS LIST FOR ENGINE Gear box - Rear wheel flange

(TABLE III)

| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|----------------|------------------|---|----------------|------------------|--|
| 61 | A | Clip, spring, for brake jaws | a) 20322 | C | Washer, shoulder 2nd oversize |
| 2021 | A | Screw, for joining brake drum to |) 00000 | | (thickness: 2,35 mm. = 0".092) |
| 0440 | 7 | flange | a) 20323 | С | Washer, shoulder 3rd oversize (thickness: 2,50 mm. = 0".098) |
| 2442 | A | Nut, for securing wheel | a) 20324 | C | Washer, shoulder 4th oversize |
| 7563 | A | Ball bearing of mainshaft | | | (thickness: 2,65 mm. = 0".104) |
| 7886 | A | Pad | 23831 | A | Drum, rear brake |
| 12869 | В | Screw, for dust cover | 42043 | В | Arm, rear brake control |
| 17821 | D | Selector, gear | 42047 | В | Link, brake |
| 18447 | С | Circlip, retaining shoulder washer | 42048 | В | Pin, for rear brake links |
| a) 18558 | С | Washer, shoulder, normal, of gear pinions | 46605 | С | Stem, selector |
| a) 20321 | C | Washer, shoulder, 1st oversize | 46688 | A | Ring, locking ball bearing |
| u) 20321 | | (thickness: 2,2 mm. = 0".086) | 46699 | A | Seal, spring - loaded of mainshaft |

a) The total axial play of the assembly of the 3 gear pinions in respect to their seat must be contained between .006" and .012". Should this play exceed said tolerances, the normal shoulder washer must be replaced by another with proper oversize.

Parts list for engine - Gear box - Rear wheel flange - Continued

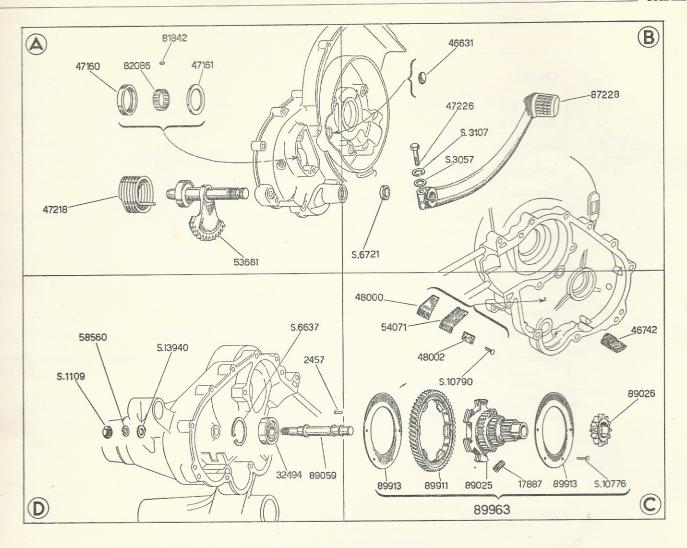
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|-------------------|------------------|---|----------------|------------------|--|
| 46700 | A | Circlip | 89993 | A | Spring, return, of brake jaws |
| 47190 | C | Bush, guide, of selector stem | S. 1426 | В | Nut, on bolt securing brake links |
| α) 48349 51255 | В | Gear, low speed Dust cover | S. 2314 | A | Nut, castle, for securing wheel |
| 81229 | A | Jaw, rear brake, with lining | S. 3109 | В | flange Washer, spring |
| a) 82085 82120 | D A | Mainshaft Flange, female spline, with inserts | S. 3111 | A | Washer, spring, for nut securing |
| 85673 | В | Bolt, for securing cable to brake links | S. 3204 | . В | wheel Split pin, on pin for brake links |
| 85814 | A | Axle, cam, of rear brake with packing S. 6708 | S. 3208 | В | Split pin, for cam axle |
| a) 87278 | C | Gear, 2nd speed | S. 6708 | A | Packing |
| a) 87279 | C | Gear, 3rd speed | S. 12787 | A | Split pin, for locking castle nut |
| 87714 | A | Washer, plain, for nut securing wheel flange | S. 13768 | С | Washer, tab, on selector stem |

a) The total axial play of the assembly of the 3 gear pinions in respect to their seat must be contained between .006" and .012". Should this play exceed said tolerances, the normal shoulder washer must be replaced by another with proper oversize.

PARTS LIST FOR ENGINE Cush gear - Kickstarter

(TABLE IV)

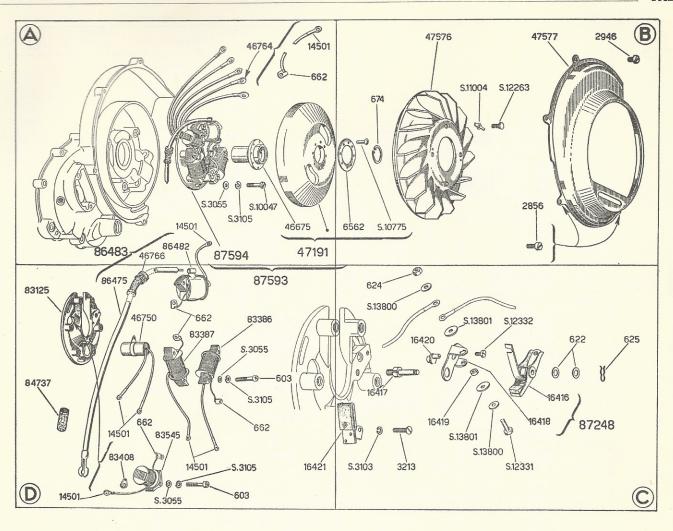
| | | Oubii geai | zaronbion to | | (IIIDIII IV) |
|---|-------------------------|---|--|------------------|---|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 2457 17887 32494 46631 46742 47160 47161 47218 47226 48000 48002 53681 54071 58560 81842 82086 | D C D B C A A B C C A C | Roller, for multiple gear Spring, of cush drive Ball bearing, of multiple gear Plug Buffer, for starting sector Race, roller bearing of mainshaft Washer, shoulder, roller bearing Spring, return, of kickstarter Screw, securing kickstarter Blade, short, for starting sector Pad, blades Sector, starting Blade, long, for starting sector Washer, spring, for nut securing layshaft Roller Cage, roller bearing | 89025 89026 89059 89911 89913 89963 S. 1109 S. 3057 S. 3107 S. 6637 S. 6721 S. 10776 S. 10776 S. 10790 S. 13940 | C C D B B C C D | Gear, multiple Gear, starting Layshaft Gear, outer, of cush drive Washer, plate, of cush drive springs Drive, cushion, g.a. (Parts n. 17887 - 89025 - 89911 - 89913 - S. 10776) Nut, for securing layshaft Washer, plain, of kickstarter Washer, spring Circlip, for locking multiple gear ball bearing Packing Rivet, for securing plate washer Rivet, for securing blades Washer, plain, for nut securing |
| 87228 | В | Kickstarter | 5. 13940 | ע | layshaft |



PARTS LIST FOR ENGINE Flywheel Magneto - Fan

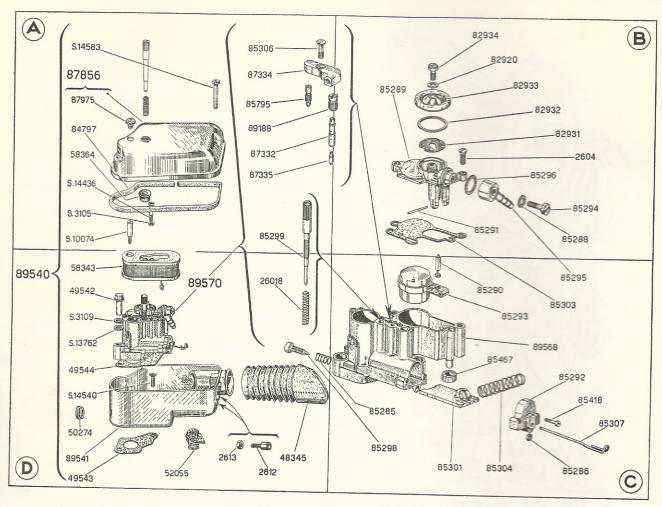
(TABLE V)

| | Table DESCRIPTION |
|--|--|
| | |
| 603 D Screw, for securing coils 16417 622 C Washer, shim, of breaker 16418 624 C Nut 16419 625 C Fork spring 16420 662 A-D Terminal 46675 674 B Circlip, for flywheel extraction 46750 2856 B Screw, long, for securing fam casing cover 46764 2946 B Screw, short, for securing fam casing cover 47191 3213 C Screw, securing condenser and felt blade 47576 47577 83125 83125 4501 A-D Terminal 83282 16416 C Breaker, with platinum point 83286 | C Axle, breaker C Gusset, contact C Ring, insulating C Cam D Blade felt, with inserts A Cam D Condenser A Cable, earth, with terminal A Grommet Flywheel, with inserts (Parts n. 6562 - 46675 - S. 10775) B Fan C Cover, fan casing D Stator A Link D Coil, low tension, No. 1 |



Parts list for engine — Flywheel Magneto - Fan - Continued

| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|----------------|------------------|--|----------------------|------------------|---|
| 83387 | D | Coil, low tension, No. 2 | | | - S. 3055 - S. 3103 - S. 3105 - |
| 83408 | D | Pad, securing low tension coil No. 3 | | | S. 12331 - S. 12332 - S. 13800 |
| | D | Coil, low tension, No. 3 | | - | - S. 13801) |
| 83545 | | | S. 3055 | A-D | Washer, plain, for screws securing stator and coils |
| 84737 | D | Tube, for part 86475 | G 0100 | | |
| 86475 | D | Lead, plug, with inserts | S. 3103 | С | Washer, springs for belt blade |
| 86482 | A | Coil, H.T. | S. 3105 | A-D | Washer, spring, for screw securing stator |
| 86483 | A | Coil, ignition, g. a. (Parts n. 46766 | S. 10047 | A | Screw, for securing stator |
| | | - 86475 - 86482) | S. 10047 S. 10775 | | |
| 87248 | С | Gusset-breaker assy (Parts n. 16416 | | В | Rivet, for securing cam |
| | | - 16418) | S. 11004 | В | Washer, tab, for screw securing fan |
| 87593 | D | Flywheel, magneto g. a. (Parts | S. 12263 | В | Screw, securing fan |
| 0,000 | | n. 47191 - 87594) | S. 12331 | C | Bolt, retaining coil terminals, condenser and breaker blade |
| 87594 | A | Stator, g. a. (Parts n. 603 - 622 - 624 | G 10000 | G | |
| | | - 625 - 3213 - 16416 - 16417 - | S. 12332 | C | Screw, securing blade with cam greasing felt |
| | | 16418 - 16419 - 16420 - 16421 - | C 10000 | C | |
| | | 46/750 - 467/64 - 831.25 - 83386 - | S. 13800 | C | Washer, plain |
| | | 83387 - 83408 - 83545 - 86482 | S. 13801 | C | Washer, insulating |



PARTS LIST FOR ENGINE

| Carburettor - Air Cleaner (TABLE VI) | | | | | | | | |
|--------------------------------------|------------------|---|----------------|------------------|---|--|--|--|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION | | | |
| 2604 | В | Screw, for securing float chamber cover | 82920 | В | Packing, for screw of float chamber cover cap | | | |
| 2612 | D | Adjuster | 82931 | В | Filter, mixture | | | |
| 2613 | D | Nut, for adjusting screw | 82932 | В | Packing, mixture filter | | | |
| 26018 | D | Spring, for screw 85299 | 82933 | В | Cap, mixture filter | | | |
| 48345 | D | Bellows | 82934 | В | Screw, for mixture filter cap | | | |
| 49542 | D | Screw, for securing carburettor | 84797 | A | Packing, air cleaner | | | |
| 49543 | D | Joint | 85285 | C | Spring, for adjuster screw | | | |
| 49544 | D | Gasket, for carburettor | 85286 | C | Packing | | | |
| 50274 | D | Plug | 85288 | В | Packing, for pipe 85295 | | | |
| 52055 | D | Grommet, on air cleaner | 85289 | В | Cover, float chamber | | | |
| 58343 | A | Choke, body | 85290 | C | Valve, needle | | | |
| 58364 | A | Packing | 85291 | В | Needle, of float | | | |

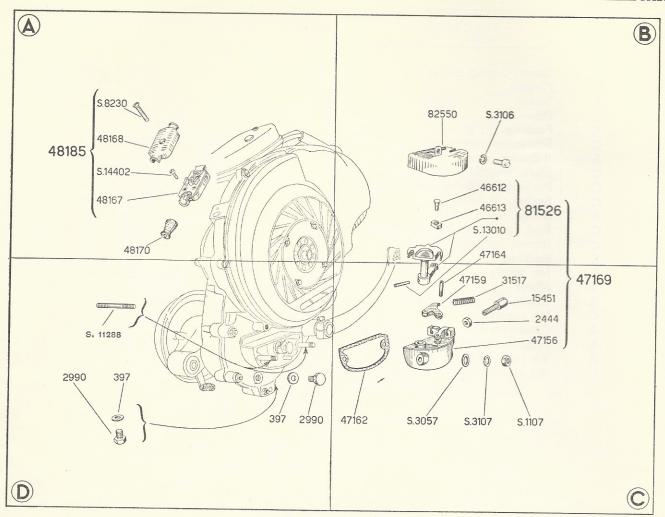
Parts list for engine — Carburettor - Air Cleaner - Continued

| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|---|---------------------------------------|---|---|-------------------|---|
| 85292 85293 85294 85295 85296 85298 85299 85301 85303 85304 85306 85307 85418 85467 85795 87332 87334 87335 87975 89188 89540 | C C B C B C A C C C C A A A C A A A D | Cover, mixing chamber Float Screw Pipe Packing, for pipe Screw, for slow running adjustment Adjuster, screw Slide, throttle Packing, for float chamber cover Spring, of throttle slide Screw, for cover of jets Rod, for throttle control cable Screw, for cover 85292 Packing Jet, idling Mixer Cover, for jets Jet, maximum Cover, air cleaner, with plug 87975 Plug, on air cleaner Air hole on mixer top Air cleaner, g. a. (Parts n. 50274 - | 89541 89568 89570 S. 3105 S. 3109 S. 10074 S. 13762 S. 14436 S. 14540 S. 14583 | D C D A A D A D A | 52055 - 58343 - 58364 - 84797 - 87856 - 89541 - S. 3105 - S. 10074 - S. 14436 - S. 14583) Air cleaner, body Body, carburettor Carburettor, Dell'Orto SI 20/15 B - Type g. a. (Parts n. 2604 - 26018 - 82920 - 82931 - 82932 - 82933 - 82934 - 85285 - 85286 - 85288 - 85289 - 85290 - 85291 - 85292 - 85293 - 85294 - 85295 - 85296 - 85298 - 85299 - 85301 - 85303 - 85304 - 85306 - 85307 - 85418 - 85467 - 85795 - 87332 - 87334 - 87335 - 89188 - 89568) Washer, spring Washer, spring Screw, for air cleaner body Washer, for air cleaner body Screw, for air cleaner body |

PARTS LIST FOR ENGINE Gear shifter - Low tension socket

(TABLE VII)

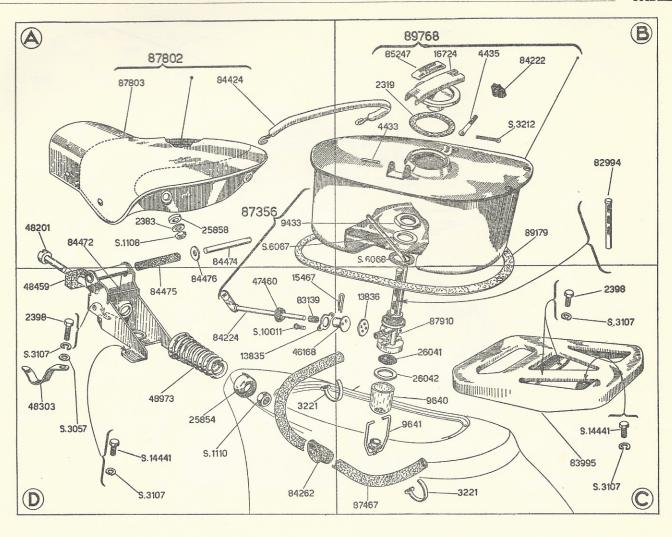
| | | Gedi Similer - Lo | , comprom p | outo. | (11151111 111) |
|------------------------------|------------------|---|--------------------------------|------------------|---|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 397 2444 2990 15451 | D C D C | Packing, oil filling and draining holes Nut Cap, oil filling Adjuster | 48168 48170 48185 | A A A | Cover, low tension terminal Cap, for low tension socket Terminal, low tension g. a. (Parts n. 48167 - 48168 - S. 8230 - S. 14402) |
| 31517 46612 46613 | C B B | Spring, of roller carrying stirrup Pivot, of gear shifting skid Skid, gear shifting | 81526 | В | Quadrant, ratchet with skid, pivot and pin (Parts n. 46612 - 46613 - S. 13010) |
| 47156 47159 | C C | Support, gear shifter Stirrup, roler carrying, of gear shifter | 82550 S. 1107 S. 3057 | B C C | Cover, support gear shifter Nut Washer, plain |
| 47162 47164 | C B | Gasket, between support and crank- case Pin, for roller stirrup | S. 3106 S. 3107 | B C | Washer, spring, for support cover Washer, spring, for gear shifter support |
| 47169 | C | Support g. a. (Parts n. 2444 - 15451 - 31517 - 47156 - 47159 - 47164 - 81526) | S. 8230 S. 11288 | A D | Screw, for locking L. T. terminal Stud, securing gear shifter support |
| 48167 | A | Socket, low tension, for earth and lighting cables | S. 13010 S. 14402 | B A | Pin, taper Screw, on low tension socket |



PARTS LIST FOR CHASSIS Saddle - Fuel tank - Luggage carrier

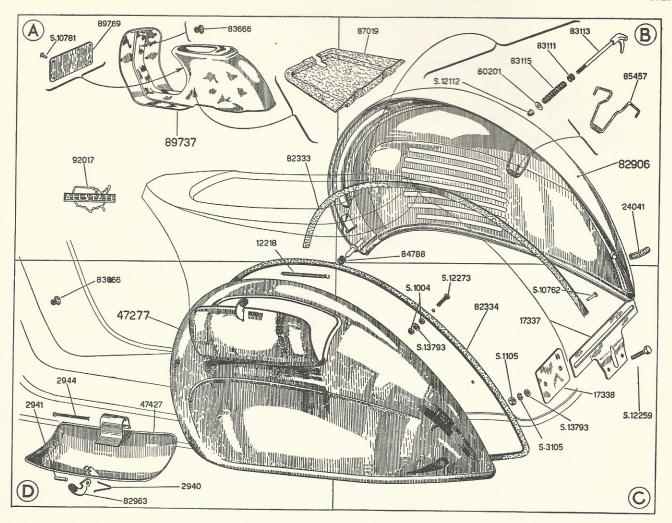
(TABLE VIII

| 2319 B Packing, of filler cap 26041 2383 A Washer, plain for arin attachment 26040 | C | Filter |
|--|-------------------------|---|
| 2383 A Washer, plain, for grip attachment 26042 2398 D Screw, securing saddle 46168 3221 C-D Strap, pipe fastening 47460 4433 B Pivot 48201 4435 B Screw, tie, of filler cap 48303 9433 A Nut, securing fuel tap to tank 48459 9640 C Sediment bowl 48973 9641 C Sediment bowl tie-rod 48973 13835 D Flange, tap fuel 82994 13836 C Packing, tap fuel 83139 15467 D Clip 83995 16724 B Cap, filler, of fuel tank, with inserts 84222 25854 D Cup, saddle spring 84224 25858 A Spacer 84262 | C C D A D D B D C B D C | Packing Cover, mixture distributor Grommet, rod fuel tap Bolt, securing saddle spring Hook, purse hanging Buffer, saddle Spring, conical, of saddle Filter, mixture Hose, for tap fuel rod Carrier, package Nut, wing, for filler cap Rod, tap fuel Grommet |



Parts list for chassis — Saddle - Fuel tank - Luggage carrier - Continued

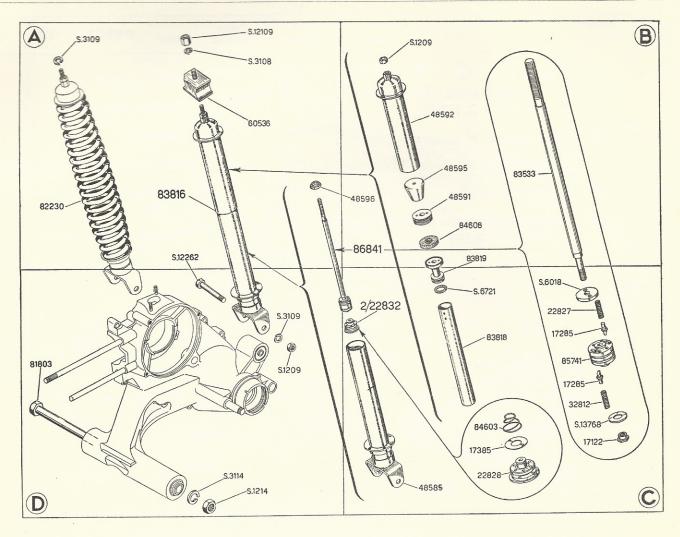
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|----------------|------------------|---|----------------|------------------|--|
| 84424 | A | Grip, on saddle | 87910 | С | Body, tap |
| | | | | | |
| 84472 | A | Bracket, saddle, with inserts | 89179 | В | Packing, between chassis and fuel |
| 84474 | A | Pin, saddle bracket | | | tank |
| 84475 | D | Plastic, tube | 89768 | В | Tank, fuel, with filling cap (Parts n. 2319 - 4433 - 4435 - 16724 - |
| 84476 | D | Shoulder washer | | | 84222 - 85247 - S. 3212) |
| 85247 | В | Transfer, indicating gas-oil ratio of fuel | S. 1108 | A | Nut, securing grip |
| 87356 | A | Tap, fuel g. a. (Parts n. 9433 - 9640 | S. 1110 | D | Nut, saddle spring |
| | | - 9641 - 13835 - 13836 - 15467 | S. 3057 | D | Washer, plain |
| | | - 26041 - 26042 - 46168 - 82994 - 83139 - 84224 - 87910 - S. 6067 - S. 6068 - S. 10011) | S. 3107 | C-D | Washer, spring, for securing carrier and fuel tank |
| 07407 | a | | S. 3212 | В | Split pin for supporting tie screw |
| 87467 | С | Pipe, plastic, from fuel tap to carburettor | S. 6067 | A | Washer, plain, under nut securing |
| 87802 | A | Saddle, g.a. (Parts n. 2383 - 25854 - | | | fuel tap |
| 0.00= | | - 25858 - 48201 - 48459 - 48973 - | S. 6068 | В | Packing, between fuel tap and tank |
| | | 84424 - 84472 - 84474 - 84475 - | S. 10011 | D | Screw, fuel tap clip |
| | | 84476 - 87803 - S. 1108 - S. 1110) | S. 14441 | C-D | Screw, securing carrier and fue |
| 87803 | Ā | Cover, saddle | | | tank |



PARTS LIST FOR CHASSIS Chassis - Tool Box - Engine bonnet

(TABLE IX

| | | Chassis - 1001 po | mignie | Domet | (TABLE IX) |
|----------------|------------------|---|----------------|------------------|--------------------------------------|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 2940 | D | Coving of tool how should | 00115 | | a |
| 2941 | D | Spring, of tool box shutter Pin, for lock lever | 83115 | В | Spring, grip |
| 2944 | D | Split, pin, hinge, of tool box shutter | 83666 | A-D | Plug |
| 12218 | A | Spring, for supporting canvas roll | 01,00 | В | Bush |
| 17337 | C | Holder, rear licence plate | 00107 | В | Hook |
| 17338 | C | Plate, strengthening, for licence | 87019 | В | Plate |
| 17000 | J | plate holder | 89737 | A | Chassis of motor-scooter (Parts n. |
| 24041 | В | Buffer, bonnet | | | 89769 - 92017 - S. 10781) |
| 47277 | D | Tool box, g. a. (with parts n. 2940 | 89769 | A | Plate, model number |
| | | - 2941 - 2944 - 47427 - 82963) | 92017 | A | Plate, name « Allstate » |
| 47427 | D | Shutter, tool box, with inserts | S. 1004 | C | Nut, for bolt securing tool box |
| 60201 | В | Washer, plain | S. 1105 | C | Nut, for securing rear licence plate |
| 82333 | A | Beading, rubber, for engine bonnet | S. 3105 | C | Washer, spring |
| 82334 | C | Beading, rubber, for tool box | S. 10762 | C | Rivet, for fixing rubber beading |
| 82906 | В | Bonnet, engine (with parts n. 24041 | S. 10781 | A | Rivet, for securing number plate |
| | | - 85457) | S. 12112 | В | Nut, self-locking |
| 82963 | D | Lever lock, of tool box shutter | S. 12259 | C | Bolt, for licence plate holder |
| 83111 | В | Grommet, grip | S. 12273 | C | Bolt, for securing tool box |
| 83113 | В | Grip | S. 13793 | C | Washer, plain |
| | * | | | | |



PARTS LIST FOR CHASSIS

Rear suspension spring - Rear damper

(TABLE X

| | | neur suspension spi | (IADLE X) | | |
|----------------|------------------|--|----------------|------------------|---|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 17122 | С | Ring, lock, of piston | 60536 | Ā | Bracket, elastic |
| 17285 | С | Pin, valve | 81803 | D | Bolt, securing engine to chassis |
| 17385 | С | Washer, seal | 82230 | A | Spring, rear suspension |
| 22827 | С | Spring, for valve pin | 83816 | A | Shock - absorber, hydraulic, rear, |
| 22828 | С | Valve discharging, with inserts | | | g. a. (Parts n. 2/22832 - 48585 - 48591 - 48592 - 48595 - 48596 - |
| 2/22832 | С | Valve, discharge g. a. (Parts n. 17385 - 22828 - 84603) | | | 83818 - 83819 - 84608 - 86841 - S. 1209 - S. 6721) |
| 32812 | С | Spring, for valve pin | 83818 | С | Tube, inner, of hydraulic shock- absorber |
| 48585 | С | Body, shock-absorber | 83819 | В | Bush, guide, of shock-absorber stem |
| 48591 | В | Cap, threaded, of shock-absorber | 83533 | В | Stem of shock-absorber |
| 48592 | В | Tube, protection, of shock-absorber | 84603 | С | Spring, of seal washer |
| 48595 | В | Buffer | 84608 | В | Seal, of shock-absorber |
| 48596 | В | Buffer | 85741 | C | Piston, of shock-absorber |

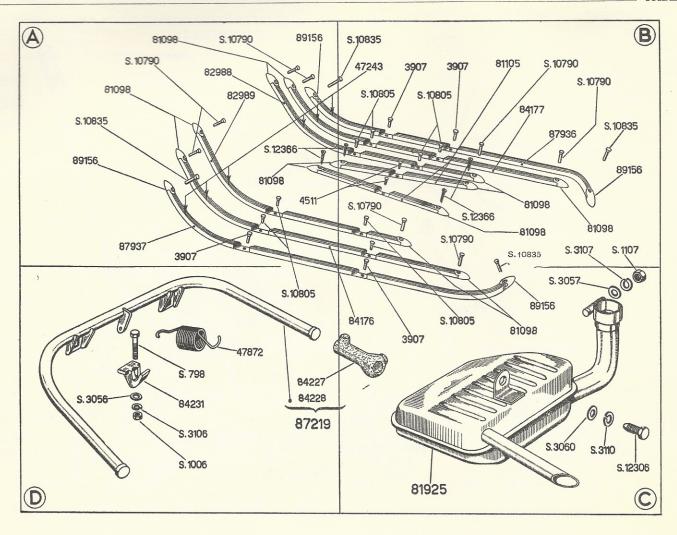
Parts list for chassis — Rear suspension spring - Rear damper - Continued

| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|----------------|------------------|--|----------------|------------------|------------------------------------|
| 86841 | В | Stem, g. a. (Parts n. 17122 - 17285 | S. 3114 | D | Washer, spring |
| | | - 22827 - 32812 - 83533 - 85741 - S. 6018 - S. 13768) | S. 6018 | C | Washer, support, spring |
| S. 1209 | B-D | Nut, spacer, of shock-absorber | S. 6721 | C | Packing |
| S. 1214 | D | Nut, for securing engine to chassis | S. 12109 | Ā | Nut, securing bracket to frame |
| S. 3108 | A | Washer, spring | S. 12262 | A | Bolt, securing shock-absorber bot- |
| S. 3109 | Ā-D | Washer, spring, for shock-absorber anchoring pin | S. 13768 | С | Washer, support, spring |

PARTS LIST FOR CHASSIS Channels - Center stand - Silencer

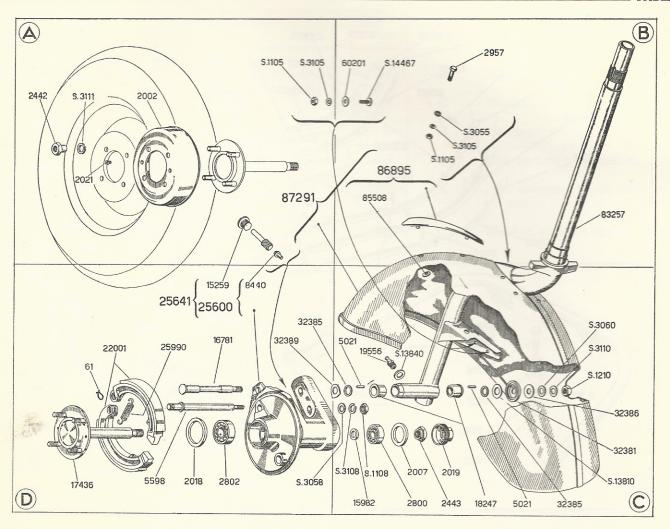
| | | Channels - Center | nencer | (TABLE XD | |
|----------------|------------------|---|----------------|------------------|---|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 3907 | A-B-C | Rivet, securing outer strips of floor- board | 84176 84177 | C B | Channel, L. H. (inner) Channel, R. H. (inner) |
| 4511 | A | Rivet, securing longeron strips | 84227 | D | Shoe, R. H. |
| a) 47243 | В | Strip, rubber, of floorboard | | | |
| 47872 | D | Spring, return, of stand legs | 84228 | D | Shoe, L. H. |
| 81098 | A-B-C | Cap, strip | 84231 | D | Clip, of center stand |
| 81105 | В | Channel, longeron | 87219 | D | Stand, with rubber shoes (Parts n. 84227 - 84228) |
| 81925 | C | Muffler, with parts n. S. 1107 - | 87936 | В | Channel, R. H. (outer) |
| | | S. 3057 - S. 3107) | 87937 | Ā | Channel, L. H. (outer) |
| 82988 | A | Strip, short, of floorboard, R. H. | 89156 | A-B-C | Cap, strip |
| 82989 | A | Strip, short, of floorboard, L. H. | S. 798 | D | Bolt, securing stand |

a) Order rubber tread 47243 by meters or feet.



Parts list for chassis — Channels - Center stand - Silencer - Continued

| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|--|------------------|---|----------------|------------------|--|
| Samuel Control of Cont | | | | | |
| S. 1006 | D | Nut, for securing stand | S. 3107 | С | Washer, spring, for securing muffler to cylinder |
| S. 1107 | В | Nut, for securing muffler to cylinder | S. 3110 | С | Washer, spring, for securing muffler to engine |
| S. 2056 | D | Washer, plain | S. 10790 | А-В | Rivet, securing inner strips cap of floorboard |
| S. 3057 | С | Washer, plain | S. 10805 | B-C-D | Rivet, securing inner strip of floor-board |
| S. 3060 | С | Washer, plain, for screw securing muffler to engine | S. 10835 | A-B | Rivet, securing outer strips cap of floorboard |
| S. 3106 | D | Washer, spring, for center stand | S. 12306 | С | Bolt, securing muffler to engine |
| 5. 0100 | | attachment | S. 12366 | А-В | Screw, for caps of longeron strips |
| | | | | | |



PARTS LIST FOR STEERING COLUMN Steering column Mudguard Front Wheel hub

| Steering column - Mudguard - Front Wheel hub (TABLE XI | | | | | | |
|--|-------------------|---|---|----------------------------|--|--|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION | |
| 61 2002 2007 2018 2019 2021 2442 2443 2800 | D A C D C A C C D | Clip, spring, for brake jaws Drum, front brake Washer, lock, for ball bearing Seal, front wheel axle Nut, locking ball bearing Screw, clamping brake drum Nut, securing wheel Nut, securing front wheel axle Ball bearing, for front wheel axle - R. H. side Ball bearing, for front wheel axle - L. H. side | 2957 5021 5598 8440 15259 15982 16781 17436 18247 | B C D D C D | Bolt, for securing mudguard to steering column Roller ,bearing, of front wheel Axle, anchoring truunion and brake jaws Shoulder, rod Plug (on machines without speedometer) Washer, spacer Spindle, front wheel Axle, front wheel with inserts Bush, for front wheel bearing rollers | |
| | | | 10217 | | Table, 101 main whool bearing foliotis | |

Parts list for steering Column — Steering column - Mudguard - Front Wheel hub - Continued

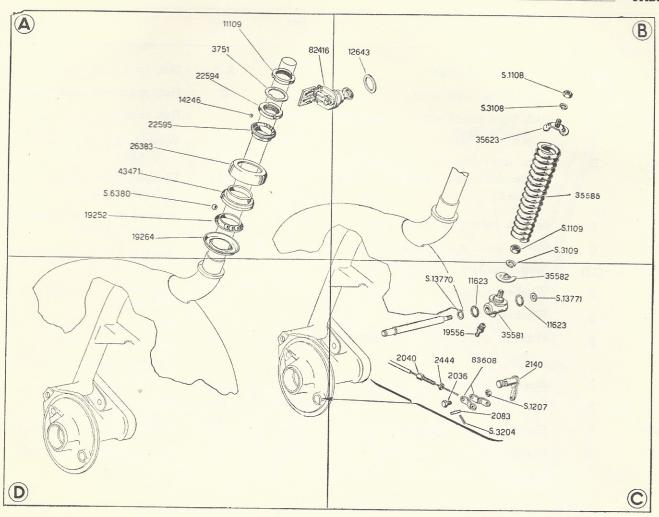
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|----------------|------------------|---|----------------|------------------|--|
| 19556 | С | Lubricator, stauffer | S. 1105 | А-В | Nut, for bolt securing mudguard |
| 22001 | D | Jaw, brake, with lining | S. 1108 | C | Nut, securing trunnion axle |
| 25600 | D | Hub, front wheel, with shoulder rod | S. 1210 | С | Nut, securing front wheel spindle |
| | | (Part n. 8440) | S. 3055 | В | Washer, plain, for securing mud- |
| 25641 | D | Hub, front wheel, with plug and shoulder rod (Parts n. 15259 25600) | S. 3058 | D | guard Washer, plain, under nut securing trunnion axle |
| 25990 | D | Spring, return, of brake jaws | S. 3060 | В | Washer, plain, for nut securing front wheel spindle |
| 32381 | С | Cover, dust, spindle front wheel | S. 3105 | A-B | Washer, spring, under nut securing |
| 32385 | C-D | Ring, shoulder, for rollers | | | mudguard |
| 32386 | C | Washer, shoulder | S. 3108 | С | Washer, spring, under nut securing trunnion axle |
| 32389 60201 | D B | Washer, shoulder Washer, plain, for bolt securing | S. 3110 | С | Washer spring, under nut securing front wheel spindle |
| | | mudguard | S. 3111 | A | Washer, spring, for nut securing |
| 83257 | В | Steering column, with inserts | / | 1 | wheel |
| 85508 | В | Ring, clamp | S. 13810 | С | Washer shoulder |
| 86895 | В | Crest, with part 85508 | S. 13840 | C | Washer, plain, for stauffer lubricator |
| 87291 | A | Mudguard, with crest 86895 | S. 14467 | В | Bolt, securing mudguard |

PARTS LIST FOR STEERING COLUMN

Front suspension - Security lock

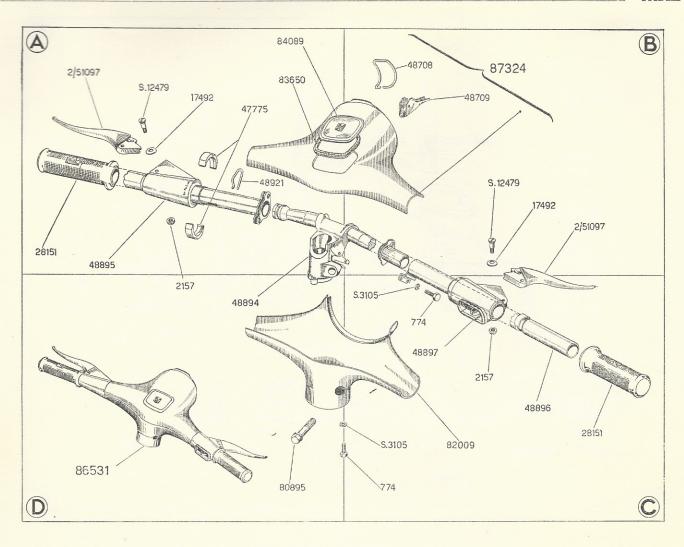
(TABLE XIII)

| | | a real bush same. | | | |
|----------------|------------------|--|----------------|------------------|---|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| | | | | | |
| 2036 | С | Bolt, securing cable to brake links | 11623 | С | Packing, for trunnion |
| 2040 | С | Adjuster of front brake | 1:2643 | В | Washer, for threaded ring of security lock |
| 2083 | C | Pin, for brake links | | | |
| 2140 | С | Lever, front brake | 14246 | A | Ball, for steering column top bearing |
| | C | Nut, jam, for front brake adjuster | 19252 | A | Seat, lower, of steering column |
| 2444 | C | Ivut, Jam, for from brake adjuster | | | bottom ball bearing |
| 3751 | A | Washer, lock, of steering column to ball bearing | 19264 | A | Washer, protection, of steering co- lumn bottom ball bearing |
| 11109 | A | Ring, threaded, for locking steering column top ball bearing | 19556 | С | Lubricator, stauffer |
| | | | | | |



Parts list for steering column — Front suspension - Security lock - Continued

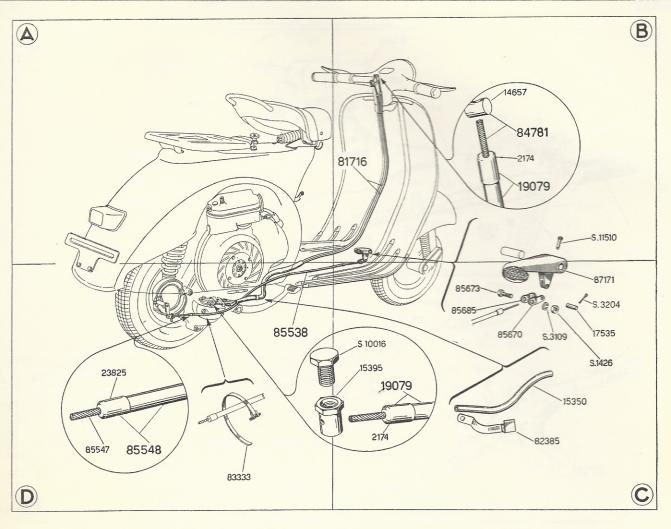
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|----------------|------------------|---|----------------|------------------|--|
| 22594 | A | Seat, upper, of steering column top ball bearing | S. 1108 | В | Nut, securing front suspension spring |
| 22595 | Ā | Seat, lower, of steering column top | S. 1109 | В | Nut, securing spring bottom |
| 00000 | | ball bearing | S. 1207 | C | Nut, on bolt securing brake links |
| 26383 | A | Cover, dust | S. 3108 | В | Washer, spring, under nut securing |
| 35581 | C | Trunnion for front suspension spring | | - | spring top |
| 35582 | C | Plate, bottom | S. 3109 | В | Washer, spring, under nut securing |
| 35585 | В | Spring, front suspension | | | spring bottom |
| 35623 | В | Plate, top | S. 3204 | C | Split pin, on pin for brake links |
| 43471 | Ā | Seat, upper, of steering column bottom ball bearing | S. 6380 | A | Ball, for steering column bottom bearing |
| 82416 | A | Lock, security | S. 13770 | C | Washer, plain, for trunnion |
| 83608 | С | Link, front brake | S. 13771 | С | Washer, plain, for trunnion |



PARTS LIST FOR HANDLEBARS Handlebars - Controls

(TABLE XIV

| | | Tallalebars | - COMMON | | (TABLE XIV) |
|--|-------------------------|---|------------------------------------|------------------|--|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 774 2157 17492 | C C-D A-B | Screw, handlebars Nut, for screw securing control levers Washer, spring, for securing control levers | 2/51097 80895 82009 83650 | A-B D C | Lever, clutch and front brake control Bolt, securing handlebars to steering column Shell, bottom Packing, for speedometer housing |
| 28151 47775 48708 48709 48894 48895 | A-C A B B D | Rubber, twistgrip Bush, half Spring, securing top shell Lever Hub, handlberas Tube, with inserts, for gear change | 84089 86531 | A D | Cover Cover, speedometer housing Handlebars, g. a. (Parts n. 774 - 2157 - 17492 - 18699 - 28151 - 47775 - 48894 - 48895 - 48896 - 48897 - 48921 - 2/51097 - 80895 - 82009 - 83650 - 84089 - 87324 - S. 3105 - S. 12479) |
| 48896 48897 48921 | C C A | control Tube, for throttle control Tube, outer, of handlebars Clip | 87324 S. 3105 S. 12479 | B C A-B | Shell, top (with parts n. 48708 - 48709) Washer, spring Screw, securing control levers |



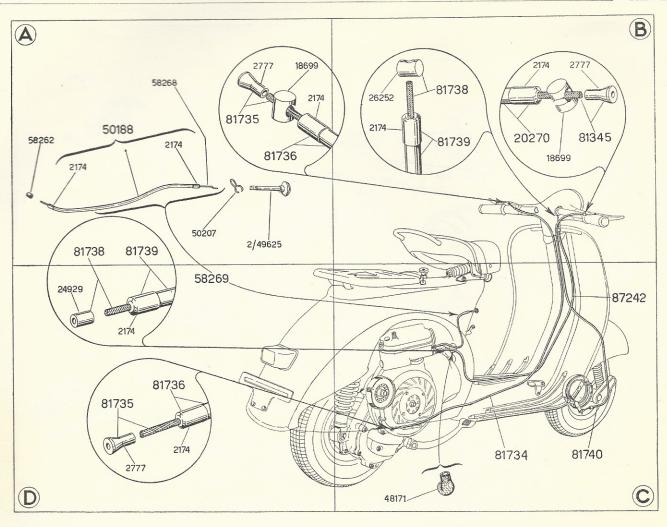
PARTS LIST FOR CONTROLS

Gear change and rear brake control cables - Pedal

(TABLE XV

| Gedr change and rear brake control cables - read (TABLE XV) | | | | | | | |
|---|------------------|---|----------------|------------------|---|--|--|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION | | |
| a) 2174 | B-C | Ferrule | 85547 | D | Cable, rear brake control | | |
| 14657 | В | Nipple | 85548 | D | Sheath, gear change control cable, | | |
| 15350 | C | Tube, protection | | | with ferrule 23825 | | |
| 15395 | C | Nipple, threaded | 85670 | C | Link, rear brake, R. H. | | |
| 17535 | C | Pin, for brake links | 85673 | C | Bolt, securing cable to brake links | | |
| 19079 | B-C | Sheath, for clutch and gear change control cables, with ferrule 2174 | 85685 | С | Link, rear brake, L. H. | | |
| a) 23825 | D | Ferrule | 87171 | C | Pedal, rear brake control | | |
| 81716 | В | Wire, gear change control, g. a. (Parts n. 19079 - 84781) | S. 1426 | C | Nut, for bolt securing cable to brake links | | |
| 82385 | C | Clip, gear change control | S. 3109 | С | Washer, spring | | |
| 83333 | D | Clip, rear brake | S. 3204 | С | Split pin | | |
| 84781 | В | Cable, gear change control, with nipple 14657 | S. 10016 | C | Screw, clamp, for gear change control cable | | |
| 85538 | D | Wire, rear brake, g. a. (Parts n. 85547 - 85548) | S. 11510 | В | Pin, locking, for rear brake pedal | | |

a) Ferrules No. 2174 and 23825 must be slightly squashed on the cable sheath at the assembly.

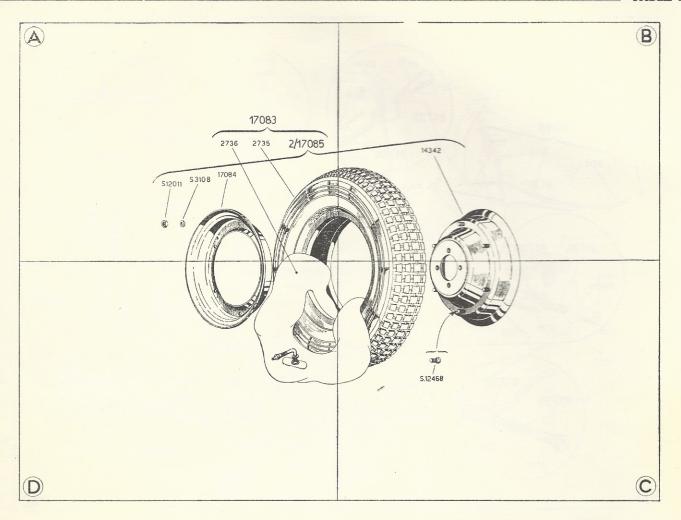


PARTS LIST FOR CONTROLS
Front brake, throttle, clutch control cables - Choke

(TABLE XVI)

| | Tion blace, money claim country carries carries carries carries (money are | | | | | | |
|-----------------------|--|---|----------------|------------------|---|--|--|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION | | |
| a) 2174 2777 | A-B-D A-B-D | Ferrule Nipple | 81345 | В | Cable, front brake control, with nipple 2777 | | |
| 18699 | А-В | Nipple, on front brake and clutch | 81734 | C | Wire clutch control, g. a. (Parts n. 2777 - 81735 - 81736) | | |
| 20270 | В | control cables Sheath, for front brake control cable, | 81735 | A-D | Cable, clutch control, with nipples | | |
| 24929 | D | with ferrule 2174 Nipple, carburettor side | 81736 | A-D | Sheath, throttle control, with ferrule | | |
| 26252 | В | Nipple, handlebars side | 81738 | A-B | 2174 Cable, throttle control, with nipples | | |
| 48171 2/49625 | C A | Grommet Strangle control rod | 81739 | A-B | 26252 Sheath, throttle control, with ferrule | | |
| 50188 50207 | A A | Sheath, choke, with ferrule 2174 Spring, strangle control rod | 81/39 | A-D | 2174 | | |
| 58262 | A | Nipple, for choke cable | 81740 | С | Wire, front brake control, g. a. (Parts n. 20270 - 81345) | | |
| 58268 58269 | A A | Cable, choke Wire, choke, g. a. (Parts n. 50188 - 58268 - 58262) | 87242 | C | Wire, throttle control, g. a. (Parts n. 24929 - 81738 - 81739) | | |
| | | | | | | | |

a) Ferrules No. 2174 must be slightly squashed on the cable sheath at the assembly.



PARTS LIST FOR WHEEL

Rim - Type

(TABLE XVII)

| | | | | | (|
|--------------------------------|------------------|---|--|------------------|---|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 2735 2736 14342 17083 | A A B A | Tire, 3,50 × 8" motor-scooter type Tube, inner Rim, with inserts Wheel, g. a. (Parts n. 2735 - 2736 - 2/17085) Flange | 2/17085 S. 3108 S. 12011 S. 12468 | A A A C | Rim, g. a. (Parts n. 14342 - 17084 - S. 3108 - S. 12011) Washer, spring Nut Bolt |

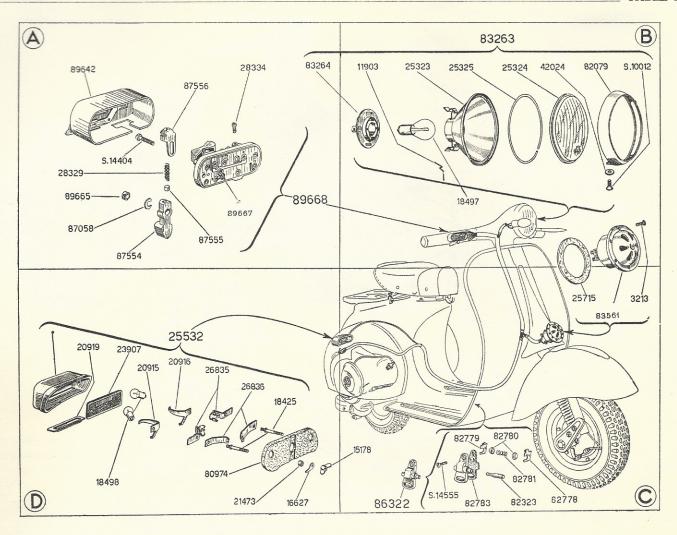
PARTS LIST FOR ELECTRIC EQUIPMENT

Head lamp - Tail lamp - Horn - Switch - Stop

(TABLE XVIII)

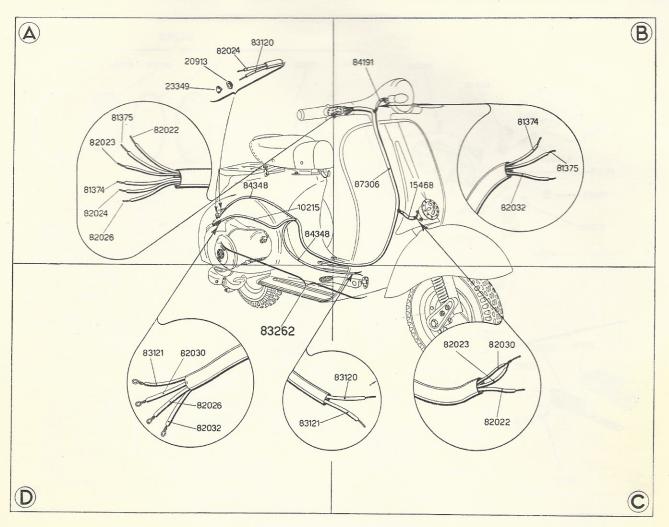
| a) 1502 (or 18498) | D | Bulb, tail lamp | 20916 | D | Spring, L. H., retaining reflecting |
|--------------------|---|-------------------------------------|-------|---|--------------------------------------|
| a) 1517 (or 18497) | В | Bulb, two beam, for head lamp | | | glass |
| 3213 | C | Screw, securing horn | 20919 | D | Glass, bottom, of tail lamp |
| 11903 | В | Spring, retaining head lamp glass | 21473 | D | Spacer, tail lamp |
| 15178 | D | Nut, wing, securing tail lamp | 23907 | D | Glass, tail lamp |
| 16627 | D | Washer, spring, under wing nut | 25323 | В | Reflector, head lamp |
| | | securing tail lamp | 25324 | В | Glass, head lamp |
| 18425 | D | Stud, for tail lamp attachment to | 25325 | В | Packing, between glass and reflector |
| | | chassis | 25532 | D | Tail lamp, g. a. (Parts n. 18425 - |
| 20915 | D | Spring, R. H., retaining reflecting | | | 20915 - 20916 - 20919 - 23907 - |
| | | glass | | | 26835 - 26836) |

a) Regular Sears stock item.



Parts list for electric equipment — Head lamp - Tail lamp - Horn - Switch - Stop - Continued

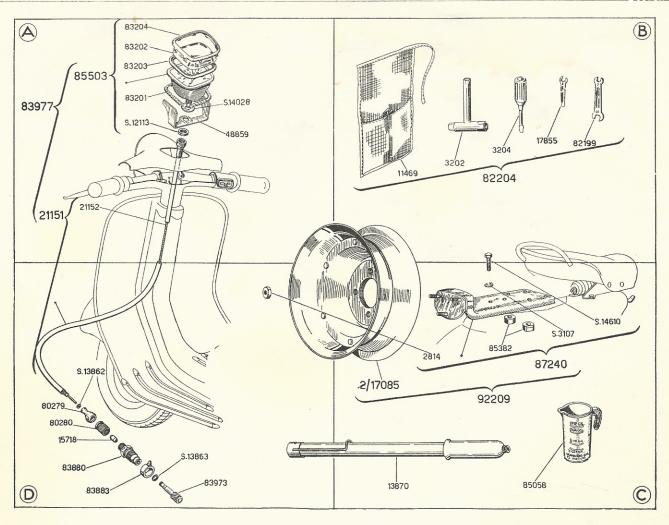
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
|--------------------------------|------------------|--|-----------------------|------------------|---|
| 25715 26835 | C D | Packing. horn Carrier, bulb, with inserts, R. H. | 83561 86322 | C D | Horn Switch STOP, g. a. (Parts n. 82323 |
| 26836 28329 | D A | Carrier, bulb, with inserts, L. H. Spring, switch | 86323 | C | - 82778 - 82779 - 82780 - 82781) Pin, STOP switch |
| 2833 4 4202 4 | A B | Screw, switch clamps Washer, spacer | 87058 87554 | A A | Washer, spring Dipping lever |
| 80974 | D | Gasket, between chassis and tail lamp | 87555 87556 | A | Pin Contact |
| 82079 82778 | B C | Rim, head lamp Contact, L. H. | 89642 89665 | A | Cover, switch Cap, insulating |
| 82779 82780 82781 | CC | Contact, R. H. Plate, for STOP switch pin Spring, STOP switch | 89668 | В | Switch, g. a. (Parts n. 28329 - 28334 - 87058 - 87554 - 87555 - 87556 - 89642 - 89665 - 89667 - S. 14404) |
| 82783 | C | Gasket, STOP switch | 89667 | A | Board, clamp |
| 83263 | В | Head lamp g. a. (Parts n. 11903 - 25323 - 25324 - 25325 - 42024 - | S. 10012 | В | Screw, securing head lamp |
| | | 82079 - 83264 - S. 10012) | S. 14404 | A | Screw, securing switch to handlebar |
| 83264 | A | Socket, bulb | S. 14555 | C | Screw, securing STOP switch |



PARTS LIST FOR ELECTRIC EQUIPMENT Cable harness

(TABLE XIX)

| | | Cable | iarness | | (TABLE XIX) |
|----------------|------------------|---|----------------|--|--|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 10215 | A | Tube, insulting, for cables of low tension socket | 83120 | С | Cable, from STOP switch to tail lamp |
| 15468 | В | Tube, protection | 83121 | D | Cable, from low tension socket to |
| 20913 | Ā | Plate, insulation | | | STOP switch |
| 23349 | A | Tag, contact | 83262 | D | Wiring, g. a. (Parts n. 10215 - 15468 |
| 81374 | A-B | Cable, from switch to head lamp | | | - 20913 - 23349 - 81374 - 81375 |
| 81375 | A-B | Cable, from switch to head lamp | | | - 82022 - 82023 - 82024 - 82026 |
| 82022 | A-C | Cable, from switch to horn | | | - 82030 - 82032 - 82036 - 83120 - 82030 - 82032 - 83120 - 83121 |
| 82023 | A-C | Cable, from horn to switch | | The state of the s | - 84191 - 84348 - 87306) |
| 82024 | A | Cable, from switch to tail lamp | | The second secon | 01101 01010 0.000, |
| 82026 | A-D | Cable, from switch to low tension socket | 84191 | В | Tube, insulating, for head lamp cables |
| 82030 | C-D | Cable, from low tension socket to horn | 84348 | A | Tube, insulating, for tail lamp |
| 82032 | B-D | Cable, from head lamp to low | | | cables |
| | | tension socket | 87306 | В | Sheath, insulating |
| | | | | | |



PARTS LIST FOR HAND TOOLS AND ACCESSORIES Tool kit - Speedometer - Spare wheel and bracket

(TABLE XX)

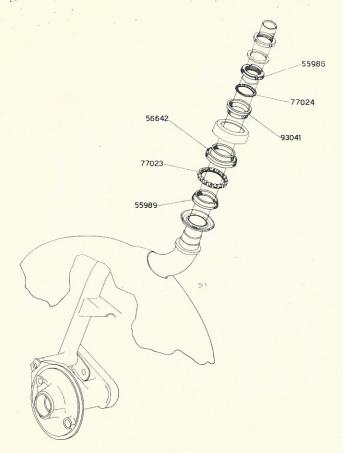
| | | 1001 kit - bpeedometer - | phare wire | CREE (IABLE AA) | |
|----------------|------------------|--|----------------|------------------|--|
| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION |
| 2814 | В | Nut | 48859 | A | Support, speedometer |
| 3202 | В | Spanner, box (11-14-21 and 22 mm) | 80279 | D | Сар |
| 3204 | В | Screwdriver | 80280 | D | Ring, threaded, for sheath |
| 11469 | В | Roll, tool | 82199 | В | Spanner, double open end (8 - 14 mm) |
| 13870 | C | Pump, air | 82204 | В | Roll, tool, complete (no air pump) |
| 15718 | D | Ring, biconical | | | (Parts n. 3202 - 3204 - 11469 - 17855 - 82199) |
| 2/17085 | В | Rim, g. a. (see Table XVII) | 83201 | A | Packing, for speedometer housing |
| 17855 | В | Spanner, single open end (7 mm) | | | cover |
| 21151 | A | Flex, drive (Parts n. 21152 - 80279 | 83202 | A | Glass, for speedometer |
| 21101 | | - 80280 - 15718) | 83203 | A | Packing, between glass and frame |
| 21152 | A | Cable, flex drive | 83204 | A | Frame, for speedometer glass |
| | | | | | |

Parts list for hand tools and accessories — Tool kit - Speedometer - Spare wheel and bracket - Continued

| Part Number | Table Section | DESCRIPTION | Part Number | Table Section | DESCRIPTION | | |
|---|------------------|--|--|-----------------------|---|--|--|
| 83880 83883 83973 83977 | D D D A | Bush, for speedometer drive pinion Ring, with lubricator Pinion, drive of speedometer Speedometer, g. a. (Parts n. 21151 - 48859 - 82973 - 83880 - 83883 - 85503 - S. 13862 - S. 13863 - | 87240 92209 S. 3107 S. 12113 | B B A | Bracket, for spare wheel (with parts 2814 - 85382 - S. 3107 - S. 14610) Bracket-rim, assy (87240 - 2/17085) Washer, spring Nut | | |
| 85058 85382 85503 | C B A | S. 14028) Measure, for fuel mixture Spacer Speedometer, miles (with 83201 - 83202 - 83203 - 83204 - S. 12113) | S. 13862 S. 13863 S. 14028 S. 14610 | B D D A B | Washer, stop, on flex drive Washer Packing Bolt | | |

ALLSTATE - MOTOR SCOOTER__

Model Number 788.94495



NOTICE

On this vehicle, the balls of steering column bearings are contained in a cage, instead of being loose as indicated in the table XIII of the spare parts catalogue.

The details that vary are as follows:

| | Upper ball race ring nut | drg. | N. | 55986 | | |
|--------------------------------|----------------------------------|-----------------|----|-------|--|--|
| | Cage for upper bearing | » | N. | 77024 | | |
| | Lower ball race of upper bearing | » | N. | 93041 | | |
| | Outer race of lower bearing | >> | N. | 56642 | | |
| Cage for lower steering column | | | | | | |
| | bearing | >> | N. | 77023 | | |
| | Internal race of lower bearing | » | N. | 55989 | | |
| | | | | | | |

N. B. - The upper and lower bearing assemblies can be also mounted on previous type vehicles.

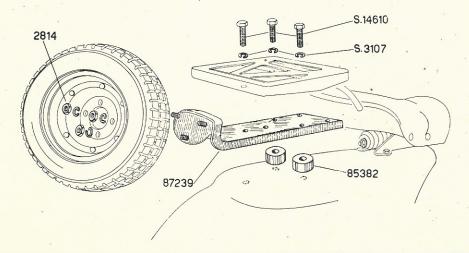
SEARS, ROEBUCK AND CO.

Dis. N. 88954 - 2000/6205

APPLICATION OF REAR SUPPORT BRACKET FOR SPARE WHEEL

Remove the three bolts which fix luggage carrier to the frame and substitute with those S. 14610, (of major length) and relative washers S. 3107.

- Position the support so that three of the six holes drilled in it coincide with those on the frame, contemporaneously interposing two distance pieces, drg. 85382 in correspondence to the two holes at the rear of the tank edge.
- Remount the luggage carrier in its original position and block the above mentioned three bolts.
- Apply the spare wheel as indicated on the figure, positioning it onto the overhanging portion of the support by means of the projecting bolts and blocking with the relative nuts.



Dis. n. 88482 - 2500/6203