

250 c.c. O.H.V. TWIN CYLINDER SCOOTER

CHANGING SPEEDOMETER OR SPEEDOMETER CABLE

If it is necessary at any time to change the speedometer head or the cable, the following procedure should be adopted. When the cable is to be replaced, disconnect the cable at the rear brake drum underneath the swinging arm by unscrewing the outer casing union nut and pull the inner cable out of mesh with the drive. When only the head is to be changed it is only necessary to remove the cable clips to obtain sufficient slack in the cable for the instrument panel to be lifted up.

Take out the headlamp screw and lift the headlamp up off the lip on the top of the nacelle and disconnect the leads by turning the black bakelite ring in an anti-clockwise direction. Pull out the parking light bulb and place the rim and reflector on one side.

Now take out the two bolts holding the handlebar shroud and windscreen, when this is fitted, and lift the windscreen and shroud clear of the handlebars.

Slacken off the two screws holding the twist grip and remove the front brake and clutch cables from the levers on the handlebars by pulling out the outer casing and releasing the nipple from the lever. Take out the two screws holding the dipper switch and horn button to the left-hand side of the handlebar.

When all the cables are clear of the bars, slacken off the pinch-bolt on the handlebar and undo the two large nuts on the top of fork column. Lift the handlebars from the forks, then slide the twist grip off the end of the bar and place the handlebars to one side. Lift the steering stop plate off the fork column and take out the two screws at each side of the instrument panel these being just underneath the panel in the rear portion of the leg shield.

With a Phillips screwdriver take out the two small Phillips screws in the centre of the ignition and lighting switches and lift the two knobs off the switches. Then undo the two square nuts securing the switches to the panel and push the switches through to the underside of the panel.

The instrument panel can now be lifted up and by twisting slightly can be worked clear of the steering lock plate on the back of the steering head tube. It will only be necessary to obtain sufficient clearance to get at the speedometer cable union nut.

Unscrew the nut and pull the inner cable clear of the speedometer head.

When the cable is to be replaced, the old one should be drawn out and the replacement threaded through, then recoupled to the speedometer and reassembly can proceed.

If the speedometer head is to be changed, unscrew the nut holding the bracket on the underside of the speedometer head, take off the bracket together with the speedometer bulb and lift the speedometer head up through the top of the panel. The replacement head is then fitted in the reverse manner, but care should be taken to see that the bracket is positioned in such a way that the bulb will illuminate the speedometer through the small panel in the speedometer head.

Re-assembly

Having fitted the replacement speedometer head or the cable, refit the ignition switches by screwing on the square nuts, making sure that the switches are correctly located in the D shaped holes, and if any of the cables have been pulled through the steering aperture in the panel, make sure that they are replaced ready for the panel to be lowered into position. Now ease the panel down over the steering head stop plate

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and into position, making sure that the two brackets on the underside of the panel lie between the rear portion of the leg shields and the front panel and that the panel fits over the top edge of the leg shields and is also clipping over the plastic beads round the outer edges of the leg shields. Insert the two screws underneath each side of the instrument panel and secure.

Place the steering stem stop plate over the stem, making sure that it is fitted the correct way up so that it engages properly on the stop plate on the back of the steering head. Place the handlebars in position over the steering column first sliding on the twist grip. Replace the two large nuts on top of the handlebars and adjust the head bearings, finally tightening the handlebar pinch-bolt.

Reconnect the front brake and clutch lever cables to the levers and refit the dipper switch and horn button by screwing in the two small screws. This operation will be facilitated if the lower screw is engaged in the hole slightly before refitting the top one.

Replace the lighting and ignition knobs over the flats on the switches and secure with the two Phillips screws with the dished washers underneath the heads of the screws.

See that all the cables are located down the front of the steering column and that there is not any excess loop in the cables which might foul the stop plate on the steering column.

Reconnect the bakelite headlight coupling by turning in a clockwise direction and press in the parking light bulb. Place the headlamp over the lip on the top of the nacelle and push it well home before securing with the screw at the base of the rim.

- Check the operation of all the controls and refit the handlebar shroud and the wind shield. Finally recouple the speedometer cable at the rear wheel.