

GH6 FRONT DYNOHUB

1. Without D.B.U.

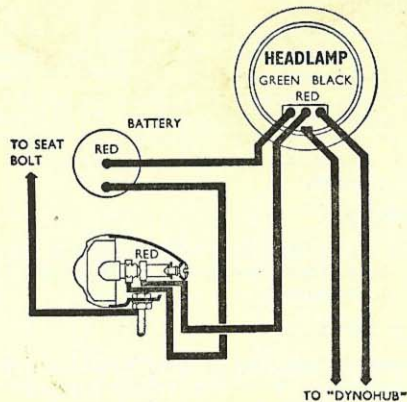
Headlamp End. Black wire to upper R.H. switch connection. Red wire to centre switch connection. Two bare wires to lower switch connection.

Dynohub. Two hook connections to hub terminals.

Rear Lamp. Black wire to bulb holder socket. Red wire to bulb contact socket.

Bulbs. Correct bulbs must be used. See bulb label attached to Lamps.

N.B. Illustrations show switch plate as seen in headlamp with front removed.



2. With D.B.U.

Headlamp End. Black wire to upper R.H. switch connection. Bare wire to lower centre connection. Red wire to upper centre switch connection. Green wire to upper L.H. switch connection.

Dynohub. Two hook connections to hub terminals.

Rear Lamp. Black wire to bulb holder socket. Red wire to bulb contact socket.

Battery Container. Red wire (large tag) to centre terminal, Black wire (small tag) to side terminal.

Earth Wire. Rear lamp clip to seat bolt.

MAINTENANCE INSTRUCTIONS

FOR THE

STURMEY ARCHER

GH6

PATENT 6 volt 'DYNOHUB'
FRONT HUB LIGHTING SET

THE ORIGINAL AND BEST

MADE BY
STURMEY-ARCHER GEARS LIMITED
NOTTINGHAM ENGLAND.

Important Warning

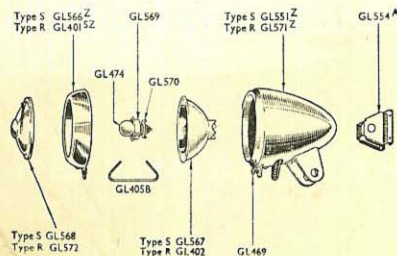
Should it ever be necessary to separate armature from magnet a "Keeper Ring" for magnet must be used. The Armature is removed by pushing it out with a keeper ring and replaced by reversing the process. An Armature or keeper ring must always be inside the magnet. If separation occurs, even for an instant, loss of magnetism will result.

Hub Lubrication

The hub bearings are packed with grease—Shell Alvania No. 3. Under normal riding conditions no further lubrication should be necessary. If the hub has been dismantled re-pack the bearings with Shell Alvania No. 3 grease or an equivalent good quality ball-race grease.

Hub Bearing Adjustment

A correctly adjusted wheel **must** have a trace of side play at the rim. Bearings are adjusted by the cone **away** from the dynamo by loosening locknut, turning cone as necessary, then re-tightening locknut. The cone on the dynamo side is fixed at Works and should not be moved. The cone locknuts must be kept tight. The dynamo can be fitted on either the left or right hand side of the machine



Headlamp

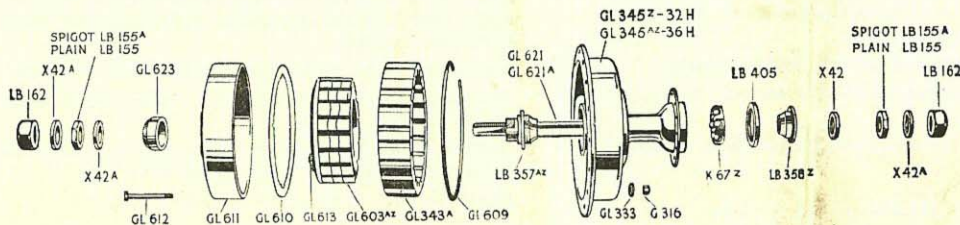
Fitted by means of a single clamping bolt. Do not attempt to alter lamp angle without first loosening the bolt. Front is detachable by undoing screw at bottom for access to bulb and terminals. There are three switch positions. Seated on the cycle, looking at back of headlamp, the lever positions are "Dynamo" right, "Battery" (when D.B.U. is fitted) left, "Off" central. When D.B.U. is not fitted, "Battery" can be used as "Off" position.

Rear Lamp

To gain access to bulb loosen fixing screw at back of lamp. Earthing is arranged through the wiring system. Frame earthing is unnecessary.

Battery Unit

This is fitted to seat tube or cycle frame and contains three 1½ volt Dry Cells. These are **NOT** re-chargeable and must be replaced with new cells when exhausted. Earthing is by means of the spring clip at the base. The wiring is attached to the terminals at the top of the container. There are only two terminals and these are of different sizes so that wires cannot be wrongly connected. The batteries are replaced by removal of a spring at the base of the container. The spring



ring and its groove **must** be kept clean. A smear of vaseline will prevent corrosion. The rubber cap should be pulled down over the wiring.

Batteries

Drydex T20, Ever-Ready U2 or suitable equivalent. Fitted one above the other as in an ordinary torch. Must be removed when exhausted to avoid corrosion. Their removal does not affect the Dynamo lighting.

Wiring

Wiring connections are inside lamp; wires enter lamp through a hole in the fixing bracket. To reach connections lamp front must be removed. Commence wiring at Dynohub.

Service

In case of any difficulty, consult your dealer at once.

We guarantee our precision tested components will give satisfactory service. Always insist on genuine Sturmey-Archer Spares being fitted to your hub.

IceniCAM Information Service

