

# STURMEY ARCHER

## AUTO TWIST GRIP CONTROL service notes

**IMPORTANT.**—This unit is factory assembled for fitting directly on to the bicycle handlebars.

**THE GRIP MUST NOT BE TWISTED UNTIL FITTED TO THE BICYCLE AND THE CABLE CONNECTED TO THE GEAR INDICATOR ROD AT THE HUB AS DESCRIBED BELOW.**

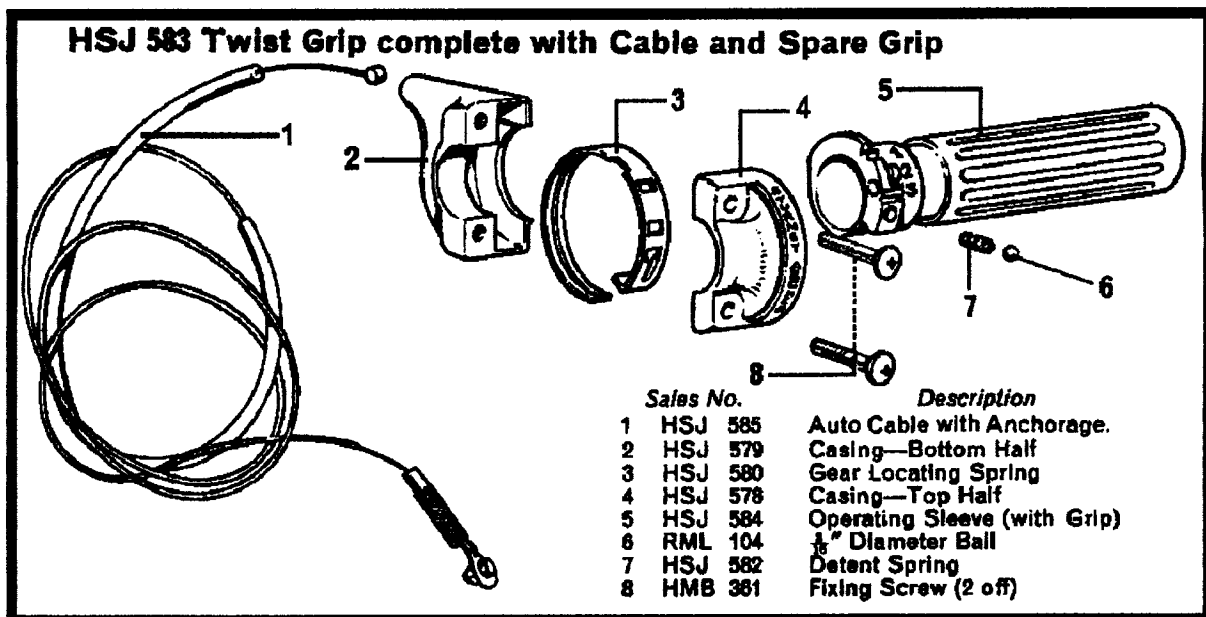
### TO FIT TWIST GRIP CONTROL TO BICYCLE

1. Slide control on to handlebar as far as possible, adjust grip to required position. Now tighten fixing screws.
2. Fit Fulcrum Clip to cycle frame top tube (or chain stay as required).
3. Pass cable Inner wire through Fulcrum Clip and fit wire into clip slot.
4. Push Outer Cable up to Fulcrum Slot.
5. If pulley used, fit inner wire under arm and on to pulley wheel.

### TO SET GEARS

- (a) Connect control cable to gear indicator chain at hub.
- (b) Slide Fulcrum Clip to take up any slackness in Cable, Now tighten Clip Screws.
- (c) Twist the grip until bottom gear (No. 1) is indicated, i.e. the blue coloured section can be seen through top casing aperture. Continue to turn grip until no further movement can be obtained.—**ALL THREE GEARS ARE NOW AUTOMATICALLY IN ADJUSTMENT.**
- (d) Remember to screw gear indicator lock-nut up to cable adjuster and lock tightly.

**NOTE.**—If for any reason the twist grip is turned too far, (i.e.) no colour can be seen through the aperture of the locating spring—all the cable adjustment will have been taken up. The twist grip must be dismantled and the gear indicator spring refitted: See Assembly Notes below.



### CABLE FITTING AND GEAR SETTING

1. First fit detent spring (7) and the  $\frac{1}{8}$ " dia. ball (6) into recess in operating sleeve (5)—(use grease to hold spring and ball into position).
2. Fit cable nipple into slotted recess of operating sleeve.
3. Fit cable inner wire into slot of gear locating spring (3) and position this spring over operating sleeve. Check that  $\frac{1}{8}$ " dia. ball is positioned in elongated hole of gear locating spring.
4. Keeping thumb of right hand over ball and spring feed inner wire into cable slot of bottom half of

casing (2). Now press locating spring into casing—until spring clicks right down into its groove.

5. Fit top half of casing (4) over operating sleeve and holding two halves of casing together fit clamping screws (8)
6. Re-fit Twist Grip on to Handlebar, and take up any slackness in Control Cable. Set gears as described.

### HOW TO CHANGE GEAR

The gear change is quick and easy and should be made smartly.

**Continue pedalling, but ease pressure on pedals whilst changing gear.**

AD 4089 Printed in England.