

# KREIDLER

## CROSS



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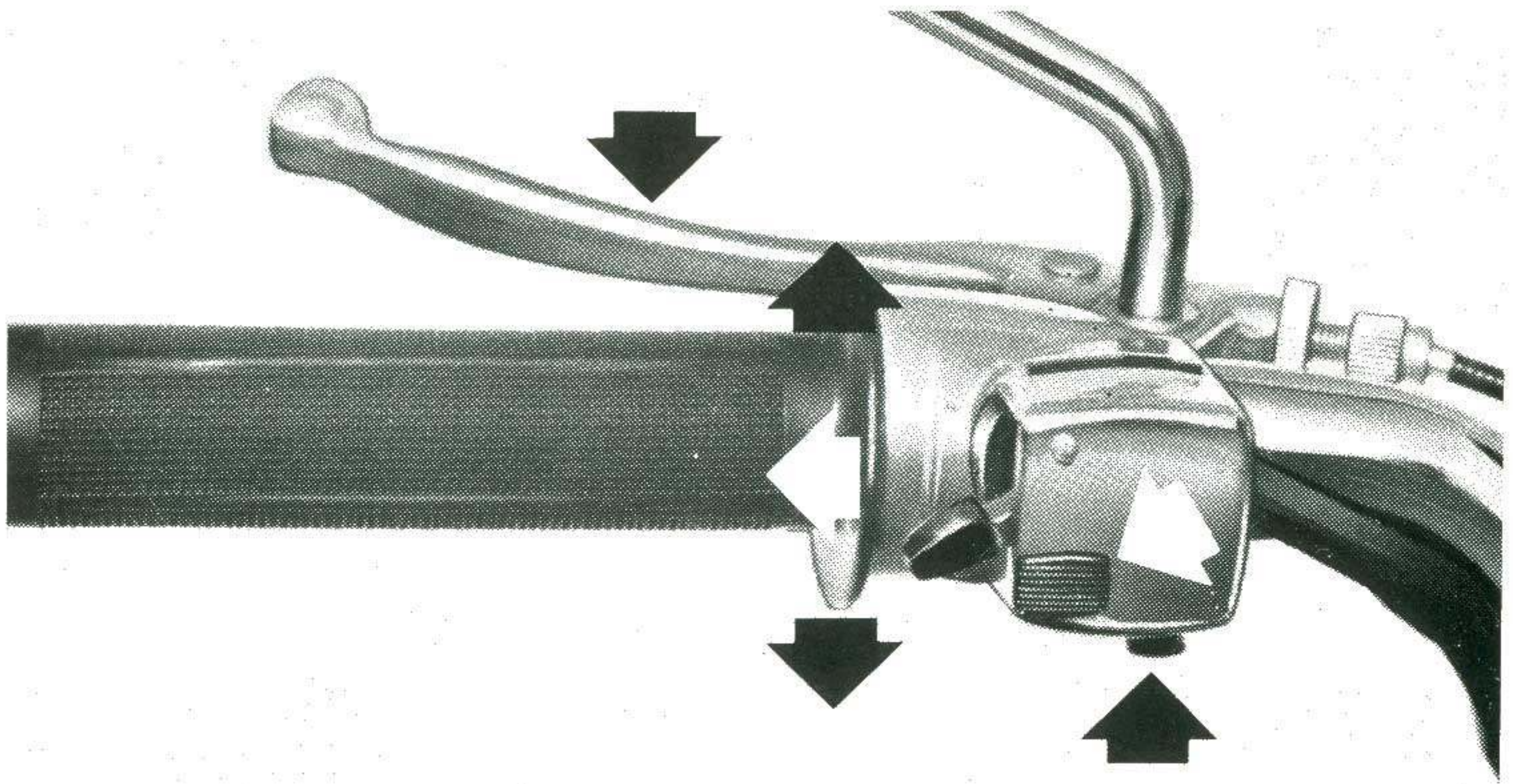
Ref.650.00.63

## OPERATING INSTRUCTIONS

KREIDLER Florett CROSS is a light motorcycle without speed limit



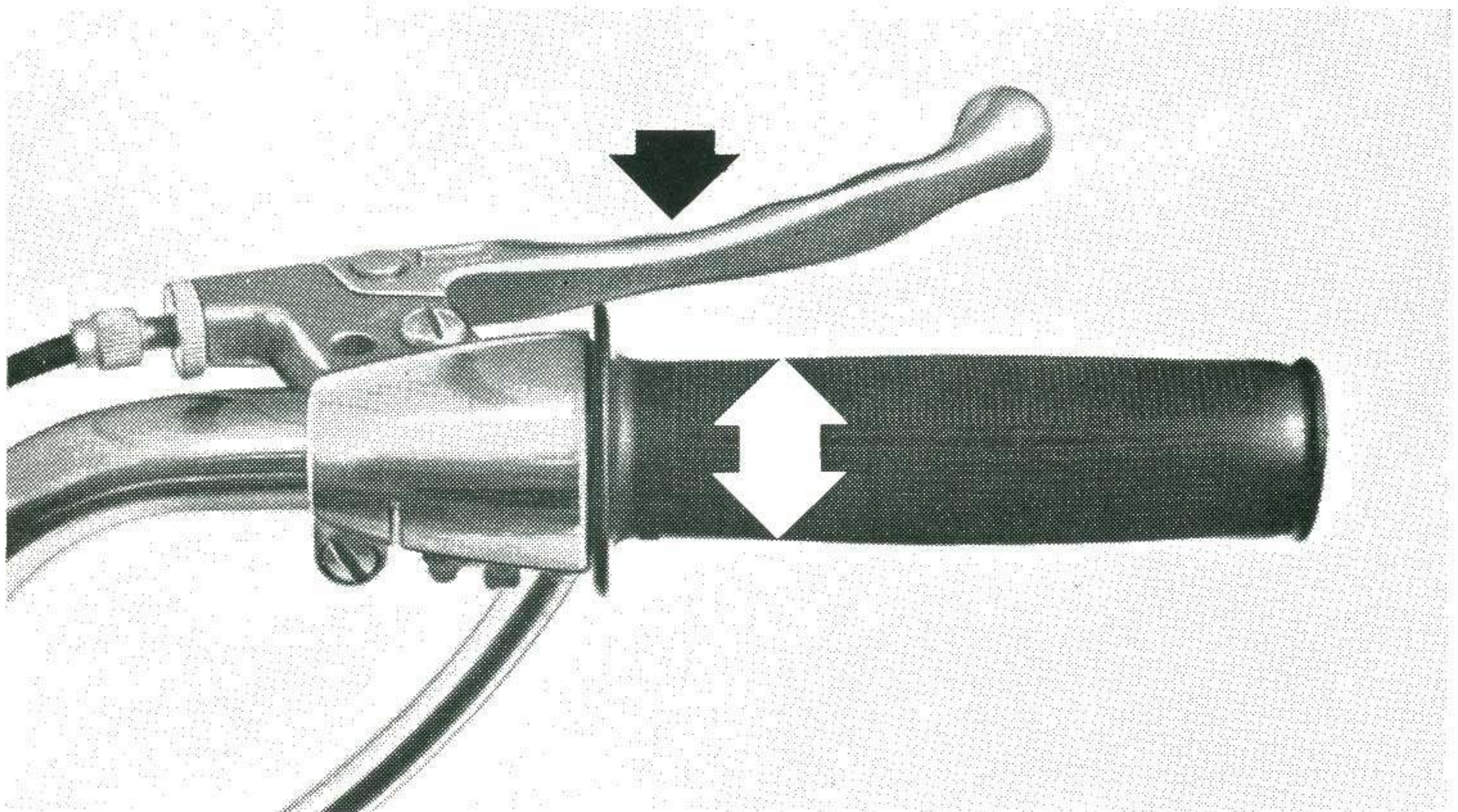




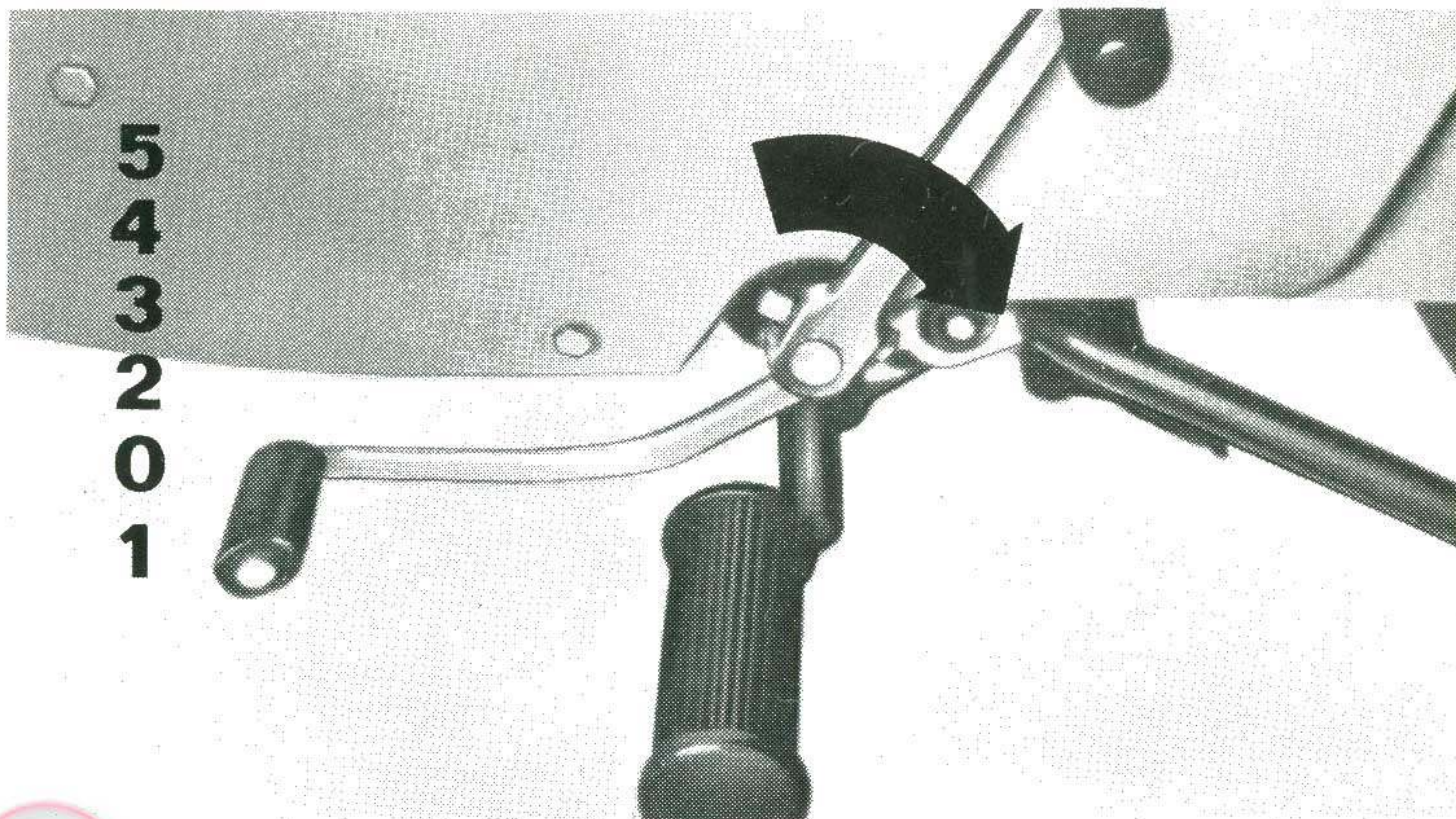
## **Operating handles**

Handlebar left: Clutch lever, light and short circuit switches, signal button.

Handlebar right: Front brake lever, twist grip throttle control.







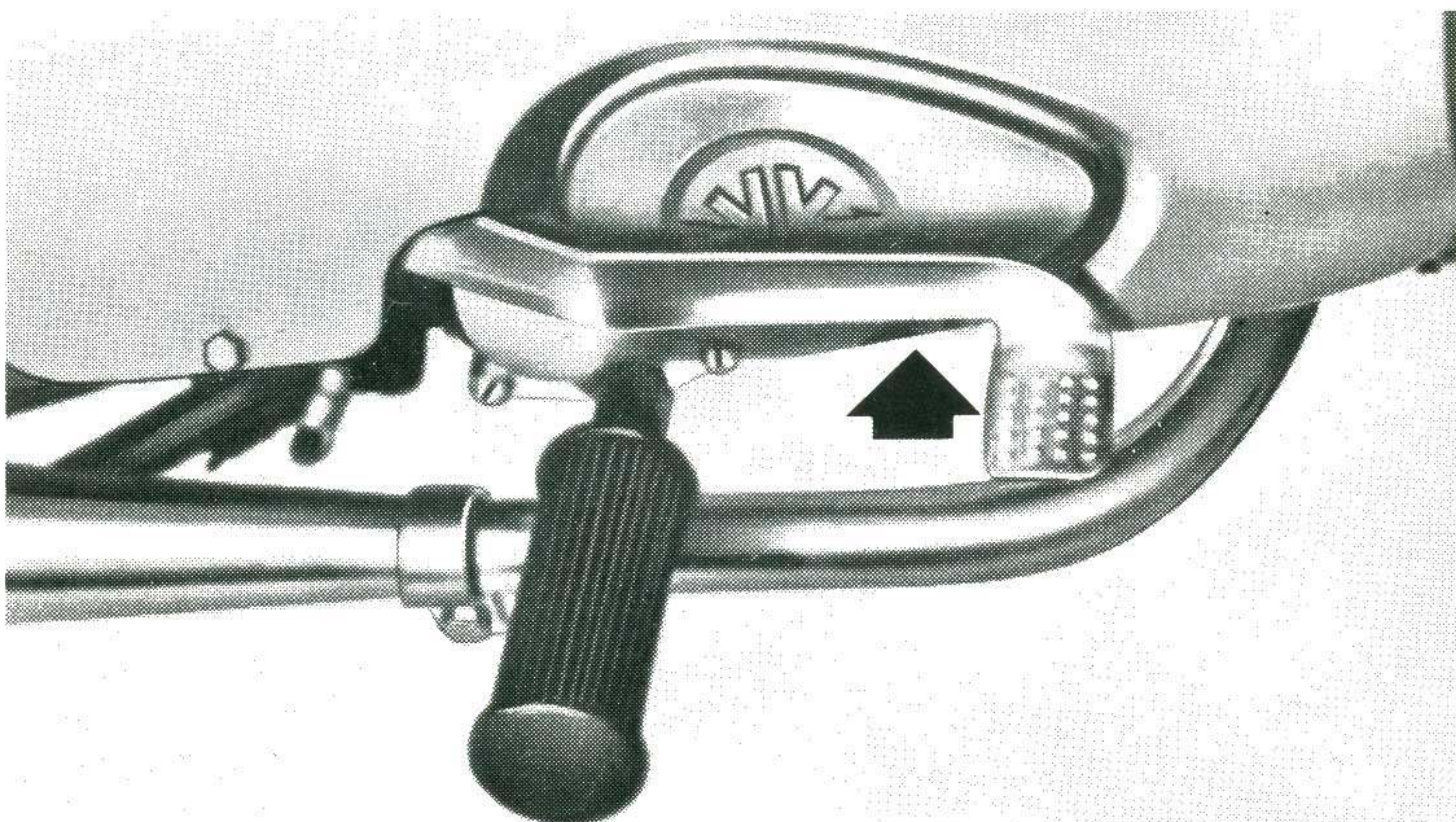
Engine left side: Foot shift for 5 speeds, kickstarter



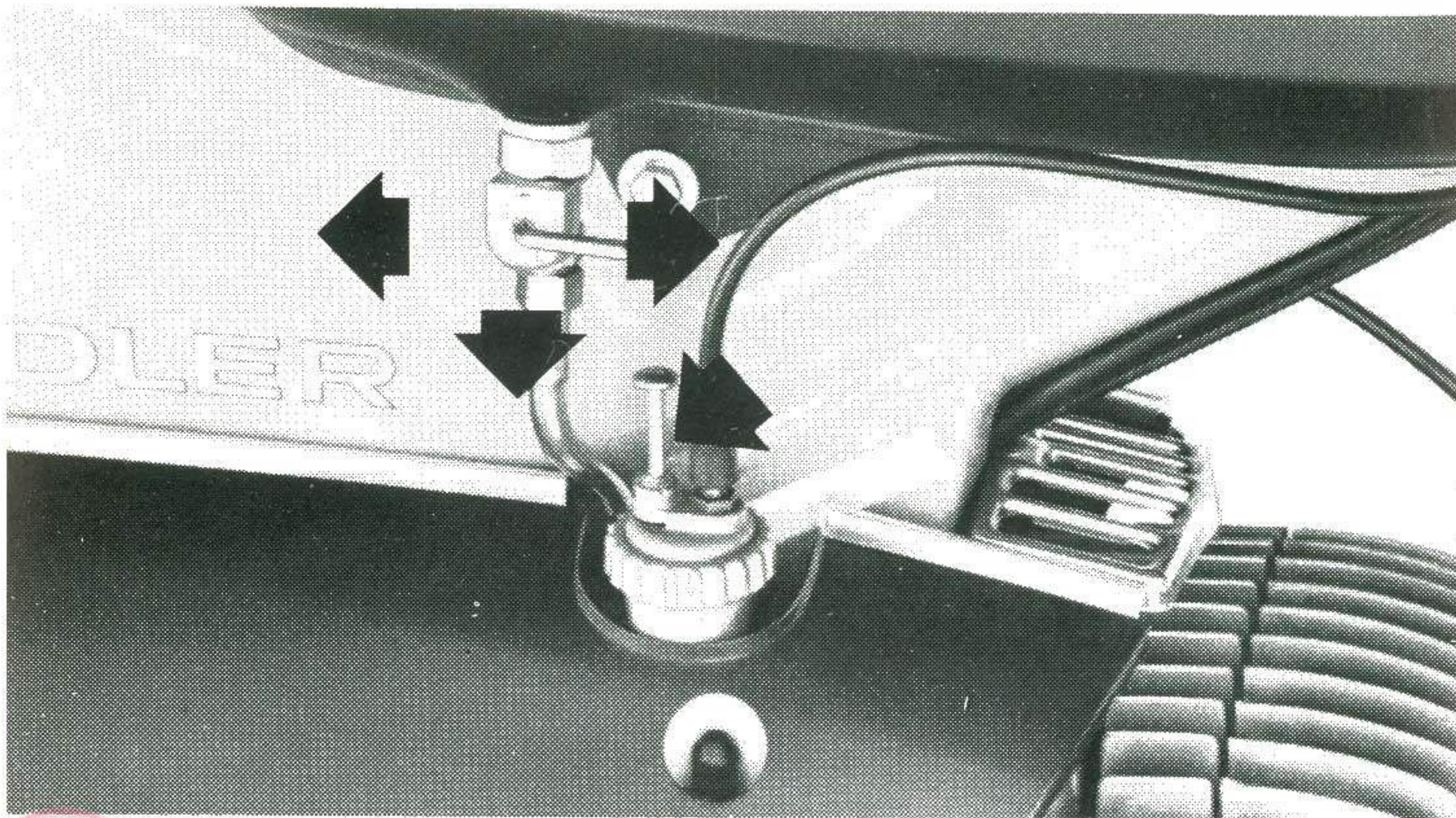
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Engine right side: Foot brake lever, gearbox oil filler screw







Engine right side: Fuel cock, automatic choke



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## No break-in

The engine is full-speed-proof, and there are no special break-in instructions. Check the safe operative condition of your vehicle and make yourself familiar with its operation, **then** take off. Don't unnecessarily overspeed the engine — shift in time — the engine is to rotate free of jerks.

## Starting

Open fuel cock — turn lights off — gearbox on neutral — depress automatic choke if engine is cold — twist grip throttle control app. 4 mm (until you feel resistance) — operate kickstarter.



If the engine starts hard, check the electrode gap of the spark plug; it is probably too wide. Reset, if necessary, to 0.4–0.5 mm (about the thickness of your finger nails).

## **Starting acceleration**

Pull clutch, shift into first gear, twist grip throttle control, slowly release clutch.

## **Proper shifting**

Pull clutch lever and shortly release twist grip throttle control.

When shifting down from fifth to fourth gear etc., a short double-clutching action, i.e. short acceleration during the shifting motion, is recommended.

If the shift lever does not catch when the vehicle is not moving, move the vehicle back and forth and shift simultaneously. Never use any force.

Never overspeed the engine, particularly in the low speeds (1st, 2nd, 3rd gear) or if the engine is new; on the other hand, never drive too slowly or uphill in high speed gear. This hurts the engine.

### **Shifting up**

at 20–25 km/h to 2nd gear  
at 35–40 km/h to 3rd gear  
at 45–55 km/h to 4th gear  
at 55–70 km/h to 5th gear

### **shifting down**

at 70–55 km/h to 4th gear  
at 55–45 km/h to 3rd gear  
at 40–35 km/h to 2nd gear  
at 25–20 km/h to 1st gear



## Carburettor

BING 20 passage with starting butterfly valve. (With cold engine depress pin protruding from the carburettor prior to starting the engine.)

Carburettor setting:

Main jet 75–78, needle jet 1208, jet needle 46–151, needle position 2, valve no. 22–340. Screw in idle adjustment screw all the way (left on carburettor viewing in driving direction). Then release screw by  $\frac{1}{2}$  to  $\frac{3}{4}$  turn. Engine should easily take up speed.

Adjust idling speed by turning the valve stop screw (right on carburettor viewing in driving direction). Clockwise adjustment increases the speed.

## Do not drive without vacuum silencer!

Clean silencer and fit to frame socket, applying gasket carefully.

Caution! Carburettor setting does not match driving conditions without vacuum silencer which results in premature cylinder wear, and you also violate the traffic regulations.

## Ignition

Electronic ignition (Bosch high-tension condenser ignition MHKZ).

Ignition point at 7000 rpm = 0.95 mm before U.D.C. =  $16^\circ$  crank angle before U.D.C.

Adjustment by marking or via stroboscope.

Spark plug gap 0.4–0.5 mm (correct wear by bending).

Recommended spark plugs: Bosch W 260 M 1, Beru 260/14  $\Delta$ .

## Lighting system

Headlight equipped with filament bulb B 6 V 35/35 W DIN 72601, combination tail-brake, licence plate-reflector light with filament bulb S 6 V 18/5 Watt DIN 72601. Light system operates with running engine only.



## Fuel and Oil

The tank holds 12,5 litres of fuel mixture, which is enough for app. 350 km. You have 40 km fuel reserve when you switch over to reserve. The reserve cock is located on the right bottom side of the tank.

The engine is a two-stroke aggregate of high liter performance. Top quality oils are required for lubrication. Therefore use only two-stroke oils such as Shell Super 2 T Motor Oil.

Mix fuel and oil in the ratio 25:1 to 30:1. Use 330 ccm SAE 80 oil for the gearbox (e.g. Mobilube GX 80, Esso GP 80, Shell Spirax 80 EP or Valvoline Tecto 2). For oil change refer to maintenance schedule on warranty card. Super fuels offer no advantages.

## Tyre pressures

front: 1.5 atm; rear: 2.2 atm for solo loads;  
2.75 atm for pillion rider loads (with pillion only)

## Tool kit

Located in the rear of the seat — key for safety lock and tool bag No. ....

## Maintenance

Follow instructions on warranty card.

## Symbols on wiring diagramme

- ① Magneto 6 V — Bosch-electronic-generator
- ② Switch left side of handlebar
- ③ Headlight 35/35 W Bilux
- ④ Tail-brake-reflector light 5/18 W
- ⑤ Brake light switch
- ⑥ Build-on type speedometer
- ⑦ Horn
- ⑧ Spark coil with electronicbox



