

Fig. 3 — 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) 130 miles per gal.

Max. speed 46.6 m.p.h.

Wheel base 46.4 in.

Max. width on handlebars 25.7 in.

Max. length of the scooter 68.3 in.

Max. height 38.7 in.

Min. height of floorboard 8 in.

Turning circle 59 in.

Weight (unladen) 178.2 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 aluminum alloy cylinder head.

Displacement 123.67 cc. (7.48 cu. in.)

Bore 54 mm. (2.12 in.)

Stroke 54 mm. (2.12 in.)

Effective power at 5000 rpm 4.5 HP.

Compression ratio 6.5:1

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.

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

Ignition. - By flywheel magneto.

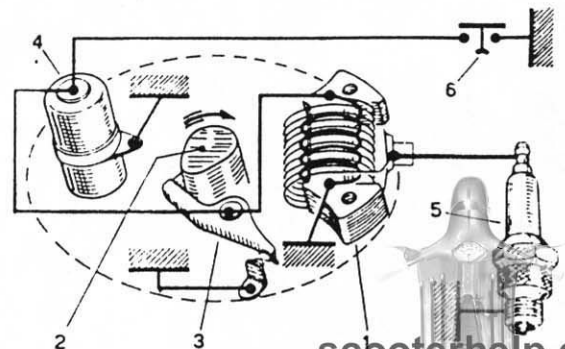


Fig. 4 — Ignition diagram

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

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