

Villiers Engine Manuals

James Cycle Co Most of their light motorcycles, often with the characteristic maroon finish, used Villiers and, later, AMC two-stroke engines. , Greet, Birmingham, England, was one of many British cycle and motorcycle makers based in the English Midlands, particularly Birmingham. motorcycles, often with the characteristic maroon finish, used Villiers and, later, AMC two-stroke engines. James were prolific bicycle and motorcycle manufacturers
The James Cycle Co Ltd 8aca55a40d

During its ten years of production, the Commando was popular all over the world. In the United Kingdom it won the Motor Cycle News "Machine of the Year" award for five successive years from 1968 to 1972. Around 60,000 Commandos were made in total. 8aca55a40d The BSA Group faced worsening financial difficulties... 8aca55a40d A pre-World War II design, the autocycle continued in production until late 1953 with a Villiers Engineering Junior De Luxe 98cc engine in a typical autocycle frame. The bike was available

in Deluxe and Superlux models. 8aca55a40d

Greeves (motorcycles) The original company produced motorcycles from 1952, funded by a contract with the Ministry of Pensions for their Invacar, a three-wheeler for disabled drivers.

The engines were highly modified Villiers MK 36A but instead of the standard Villiers crankshaft they had an Alpha assembly Greeves Motorcycles was a British motorcycle manufacturer founded by Bert Greeves which produced a range of road machines, and later competition mounts for observed trials, scrambles and road racing. the Czechoslovakian mountains 8aca55a40d

Brakes: 4" front and rear 8aca55a40d Straight-twin engines are primarily used in motorcycles; other uses include automobiles, marine vessels, snowmobiles, jet skis, all-terrain vehicles, tractors and ultralight aircraft. 8aca55a40d

James Autocycle The bike was available The James Autocycle was a 98 cc (6. 0 cu in) two-stroke, autocycle manufactured by the James Cycle Co from 1946 to 1953. autocycle continued in production until late 1953 with a Villiers Engineering Junior De Luxe 98cc engine in a typical autocycle frame 8aca55a40d

After many wins in motorcycle trials competitions and developing a successful US export market, the original company ceased trading following a fire in 1977. Richard Deal bought the rights to the Greeves name in May 1999. The new business continues to develop motorcycles and launched the first new Greeves trials bike for 20 years in January 2009, with an all-new British two-stroke 280 cc engine. 8aca55a40d Various different crankshaft configurations have been used for straight-twin engines, with the most common being 360 degrees, 180 degrees and 270 degrees. 8aca55a40d Frame: Single downtube frame. 8aca55a40d

Norton Commando 5 cu in). It had a hemi-type head, similar to all OHV Norton engines since the early 1920s. Initially having a nominal 750 cc displacement, actually 745 cc (45. 5 cu in), in 1973 it became an 850 cc, actually 828 cc (50. The Norton Commando is a British Norton-Villiers motorcycle with an OHV pre-unit parallel-twin engine, produced by the Norton Motorcycle company from The Norton Commando is a British Norton-Villiers motorcycle with an OHV pre-unit parallel-twin engine, produced by the Norton Motorcycle company from 1967 until 1977 8aca55a40d

BSA unit twins As part of a rationalisation by the newly formed Norton Villiers Triumph,

production of BSA motorcycles The BSA unit twins were a range of unit construction twin-cylinder motorcycles made by the Birmingham Small Arms Company (BSA) and aimed at the US market. difficulties and in 1973 merged with Norton-Villiers. A range of 500 cc (31 cu in), 650 cc (40 cu in) and 750 cc (46 cu in) twins were produced between 1962 and 1972, but they were really developments of the older pre-unit A7/A10 model range with less weight. The engines had a reputation for vibration, but acceleration was good for the time, to a top speed of 100 miles per hour (160 km/h) 8aca55a40d

Drive: Chain and sprocket 8aca55a40d Suspension: Front was taper tube for girder type with single, central undampened spring. Rear: None 8aca55a40d The 500cc models were discontinued in 1971 when the single cylinder B50 model was introduced. 8aca55a40d Transmission: Two speed with clutch. Handlebar gear lever. 8aca55a40d Engine: Villiers Engineering 1F single-cylinder engine at 98cc 47 mm x 57 mm engine. Carburetor was a Villiers Type 6/0. 8aca55a40d James were prolific bicycle and motorcycle manufacturers from 1884 to 1966. The company was taken over by Associated Motor Cycles in 1951 and combined with Francis-Barnett in 1957. In 1966 the company became one of the many British motorcycle companies forced out of business by Japanese competition. 8aca55a40d An established manufacturer of cement mixers and washing machines, Lightburn and Co.

built the cars in its factory in the Adelaide suburb of Camden Park. The first Zeta model was introduced in 1963 at a price of £595. Production ceased in 1965 with the last vehicles sold in 1966 and total sales of fewer than 400 vehicles. 8aca55a40d Wheels: 21 inches x 2.25 inches 8aca55a40d

Straight-twin engine A straight-twin engine, also known as an inline-twin, vertical-twin, inline-2, or parallel-twin, is a two-cylinder piston engine whose cylinders are arranged A straight-twin engine, also known as an inline-twin, vertical-twin, inline-2, or parallel-twin, is a two-cylinder piston engine whose cylinders are arranged in a line along a common crankshaft 8aca55a40d

Models for the US generally had smaller petrol tanks and higher wider handlebars than the UK models, and prior to 1966 different model names were used for the two markets. 8aca55a40d

Allen Scythe It was made from 1933 until 1973 by John Allen and Sons in Cowley, Oxfordshire. The company, formerly the Eddison and Nodding Company, was bought in 1897 by John Allen, who renamed it the Oxford Steam Plough Company, and then renamed

it to John Allen and Sons. is 3/16 of an inch before top dead centre (TDC) on all Villiers engines except for the Villiers Mk. 11C & 25C which should spark 5/32 of an inch before The Allen Scythe, sometimes called the Allen Power Scythe, is a petrol-powered finger-bar mower 8aca55a40d

James Commodore Transmission: The James Commodore J4 was a 98 cubic centimetre, two-stroke, motorcycle manufactured by the James Cycle Co and announced in November 1950. The Commodore was in production from 1951 to 1953. from 1951 to 1953. Engine: Villiers Engineering 1F single-cylinder engine at 98cc 47 mm x 57 mm engine. Carburetor was a Villiers Type 6/0 8aca55a40d

James Comet Late 1952 & 1953. the J3 Comet Deluxe models were fitted with the Villiers 4F engine The James Comet was a 98 cubic centimetre (cc), two-stroke, motorcycle manufactured by the James Cycle Co. and announced on 21 October 1948. 1948. A post-World War II design, the Comet went into production in late 1948. Engine: Villiers Engineering 1F engine at 98cc 47mm x 57mm engine 8aca55a40d

Zeta (automobile) (also known as the Zeta Runabout) and Utility, were powered by a 324cc

Villiers engine and were front wheel drive with independent rear trailing arms. The Zeta is a marque of automobile which was produced in Australia from 1963 to 1965 by South Australian manufacturing company Lightburn & Co 8aca55a40d

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