

MORGAN THREE WHEELER CLUB



CLUB LIBRARY CATALOGUE

Updated January 2020

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THE MORGAN THREE WHEELER CLUB LIBRARY

The MTWC Library holds a large selection of drawings, catalogues, sales literature, letters and other items. These have been sorted into 26 loose leaf folders and may be accessed by Club members. For further information or copies of any of the items listed please contact the Librarian - ideally by e-mail.

Please provide your membership number when asking for copies - there will be a small charge to cover postage and duplication if applicable. Information sent by e-mail is generally free of charge.

Please identify items required by the reference in left-hand column.

MORGAN MOTOR COMPANY DOCUMENTS

Morgan Factory Catalogues

This section lists the catalogues produced annually by the Morgan factory and by Darmont (D) and Sandford (S) in France, which detail the whole range of vehicles available for that year.

Items are arranged chronologically

F01-001301	1913	Catalogue - Specifications, photographs, list of extras & competition successes.
F01-001501	1915	Catalogue - Specifications, photographs, list of extras & competition successes.
F01-001502	1915	Catalogue - similar to F01-001501 but different photos & layout
F01-001901	1919	Catalogue - Specifications and photographs.
F01-002001	1920	Catalogue - Specifications, photographs (poor quality) and list of extras.
F01-002101	1921	Catalogue - Specifications, photographs, list of extras & competition successes.
F01-002201	1922	Catalogue - Specifications, photographs, list of extras & competition successes.
F01-002202	1922	Catalogue - Darmont (in French) - includes list of European competition successes
F01-002301	1923	Catalogue - Specifications, photographs, list of extras & competition successes. Cover is a photocopy - rest original
F01-002401	1924	Catalogue - Specifications, photographs and list of extras. Four pages are original, rest is laser copied.
F01-002402	1924	Catalogue - Darmont (in French) - includes list of European competition successes
F01-002501	1925	Catalogue - Specifications, photographs (including some colouring) list of extras.
F01-002601	1926	Catalogue - Early - Specifications, photographs (including some colouring) list of extras.
F01-002602	1926	Catalogue - Late - Specifications, photographs (including some colouring) list of extras. Differs from F01-002601 having different photographs & illustrations and minor changes in specification.
F01-002701	1927	Catalogue - Similar to F01-002602 but different photos & illustrations - minor changes in spec. Specifications, photographs (poor quality), list of extras and competition successes. Attractive artwork on cover although Library example is a poor photocopy.
F01-002801	1928	Catalogue - Specifications, photographs, list of extras & successes in trials & speed events
F01-002901	1929	Catalogue - Specifications, photographs & list of extras
F01-003001	1930	Catalogue - specifications, photos, extras & competition successes
F01-003101	1931	Catalogue - Specifications, photographs, list of extras & description of "M" type chassis.
F01-003201	1932	Catalogue - Specifications, photographs, list of 1931 competition successes.
F01-003301	1933	Catalogue Specifications (including body dimension drawings), photographs and list of Competition successes. Library has good original with a colour artwork cover depicting a Super Sports with what could be Malvern & Malvern Hills in the background
F01-003302	1933	Catalogue - Darmont - Specifications, illustrations, list of French Competition successes.
F01-003401	1934	Catalogue Specifications (including body dimension drawings), photographs and list of Competition successes. This has similar but different colour artwork as on the cover of MMCP 33a.
F01-003501	1935	Catalogue - Specifications, body dimensions, photos & list of Competition successes. Wonderful drawings of each model. Front cover is laser copy.
F01-003601	1936	Catalogue - Specifications, photos & list of competition successes. (25 years in production)
F01-003701	1937	Catalogue - Specifications, photos & list of competition successes. (26 years in production)
F01-003801	1938	Catalogue - Front cover illustration only (27 years in production)
F01-003901	1939	Catalogue - Specifications, photos & list of competition successes. (28 years in production)
F01-004601	1946	Catalogue - Specifications, photos & list of competition successes. (35 years in production)
F01-004801	1948	Catalogue - Specifications, photos & list of competition successes. (37 years in production). (Front illustration is laser copy of original)
F01-004901	1949	Catalogue - Specifications, photos & list of competition successes. (38 years in production)
F01-005101	1951	Catalogue - Specifications, photos & list of competition successes. (40 years in production)

Morgan Factory Car Brochures and Specification Sheets

This section lists the brochures and other publicity material produced by the Morgan factory and by Darmont (D) in France which detail individual models in the Morgan & Darmont ranges.

Items are arranged chronologically.

F01-011101	1911	Specification sheet - the Runabout including photographs and full specification
F01-012401	1924	Type SG Brochure - Darmont - illustration & specification (in French)
F01-012701	1927	Specification sheet - Standard, de Luxe, Family & Aero models including list of achievements. Attractive artwork on cover. A3 sized fold-out sheet
F01-012702	1927	Brochure - "The Super Sports Aero" - "Morgan is the fastest 3-wheeler in the World". Full specification and photographs of the new model. Back page has details of Morgan record breaking achievements, proving that "The Morgan is the fastest three-wheeler in the World"

F01-012703	1927	Brochure - "The Morgan Convertible Trade & Family Runabout - an economical Trade Van". Clever illustration showing the quick adaptation of a Family model to a tradesman's van a tradesman's van. Includes specification.
F01-012901	1929	Brochure - "The Morgan Delivery 3cwt Van". Specification & illustrations.
F01-013101	1931	Sandford brochure - Specifications, drawings, photographs & Competition successes (poor photocopy)
F01-013201	1932	Publicity Postcard - Sports Family Model. Good photograph with description on reverse
F01-013202	1932	Publicity Postcard - Morgan Delivery Van. Good photograph with specification on reverse.
F01-013401	1934	Brochure - 4 cylinder Model F. Brief details & photograph of new model.
F01-013402	1934	Darmont Brochure. Cyclecar chassis type 3.V.B. Specification (in French)
F01-013701	1937	Publicity Postcard - Morgan "F" 2-Seater. Good photograph with specification on reverse.

Morgan Factory Handbooks

This section lists the Morgan Factory handbooks. These give a good description of the basic construction and maintenance of the vehicle and provide instruction on driving techniques. Some also include a parts list.

Items are arranged in chronological order

F02-001301	1913	Hints on running a Morgan, with illustrated list of parts.
F02-001401	1914	Hints on running a Morgan, with illustrated list of parts.
F02-002201	1922	Hints on running a Morgan Runabout - illustrated handbook & parts list. Good photographs of the Morgan chassis.
F02-002301	1923	Hints on running a Morgan Runabout - illustrated handbook & parts list. Good photographs of the Morgan chassis.
F02-002501	1925	Hints on running a Morgan Runabout - illustrated handbook & parts list. Good photographs of the Morgan chassis.
F02-002601	1926	Hints on running a Morgan Runabout - illustrated handbook & parts list.
F02-002701	1927	Hints on running a Morgan Runabout - illustrated handbook, parts list not illustrated.
F02-002801	1928	Hints on running a Morgan Runabout - illustrated handbook, parts list not illustrated.
F02-002901	1929	Hints on running a Morgan Runabout - illustrated handbook, parts list not illustrated. Advice on competition work and list of agents. Library has original with leaflet dated Nov.1929 detailing the new "M" type chassis pasted inside back cover.
F02-003201	1932	Instructional notes & list of parts for the 3-speed & reverse model.
F02-003301	1933	Instruction book. Includes portrait photographs of the Morgan factory personalities, illustrated instruction manual, fault finding chart, AMAL carburettor manual, lubrication chart and list of service agents.
F02-003302	1933	Notes on running and adjustment of the Matchless-Morgan engine type MX. Specification, basic manual and fault finding chart.
F02-003901	1939	Model F Notes - maintenance & adjustment of engine, carburettor & electrical equipment. Includes specification and lubrication information.

Morgan Factory Miscellaneous Publications

This section lists a number of miscellaneous publications produced by the factory for publicity and other purposes.

Items are arranged in chronological order.

F02-011501	1915	Factory reprint - LC&CC magazine article, 16th Aug 1915; "The charm of the Three-Wheeler" (see also 15-18-16/266-268 Lcc from the MTWC periodicals catalogue)
F02-012901	1929	Information Sheet detailing the new "M" type chassis, bevel box & rear suspension assembly.
F02-012902	1929	Information Sheet detailing World records in various classes & major successes in Trials. "the fastest three-wheeler or car in the World", detailing World records in various classes held by the "Morgan Runabout". Also lists major successes in trials between 1910 & 1929
F02-013401	1934	Spare Parts list - three speed & reverse twin cylinder models.
F02-013801	1938	Factory reprint - Motor Cycling magazine article (23 Mar 1938); Model F Morgan. Motor Cycling magazine article of 23rd March 1938; The Four-cylinder s.v. Super-Sports Model F Morgan. (see also 38-3-23/656-658 Mcg from the MTWC periodicals catalogue)
F02-013901	1939	Factory reprint - Motor Cycling magazine article (22 Mar 1939); 990cc ohv w-c Super-Sports. Motor Cycling magazine article of 22nd March 1939; The 990cc ohv water-cooled Super-Sports Morgan. (see also 39-3-22/750,751 Mcg from the MTWC periodicals catalogue)
	1960	Morgan - 50 years of Experience. 1960 Factory anniversary booklet. The History of the Morgan Car. 1960 Factory anniversary booklet. Blue, white & gold cover. Many photographs.
	1970	Morgan - The History of a famous car (Orange & White cover). Revised and enlarged edition of MFM 60.
	1975	Morgan - The History of a famous car (Red & white cover). Reprint of MFM 70, with minor differences and a few different photographs.
	1984	Morgan - The History of a famous car (Green & white cover). Reprint of MFM 75 with minor differences and a few different photographs, plus extra pages bring the story up to date.

Morgan Motor Company Correspondence

This section includes various letters and other documents from the Morgan factory giving details of vehicle technical development & other business activities. Items are arranged in Chronological Order

F03-001501	1915	Letter from Morgan Motor Co. ref Sporting model production & supply of spare parts. To G.W.Cook & Sons, Watford, August 1915 (with cheque)
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F03-001601	1916	Letters & Invoice from Morgan Motor Co. ref supply of spare parts. To G.W.Cook & Sons, Watford, Nov/Dec 1916.
F03-001701	1917	Letter from E.G.Kimwell to G.W.Cook & Sons, Watford ref sale of Morgan 12th April 1917.
F03-002601	1926	Sketch - wide "B" chassis with basic dimensions on Morgan Motor Co notepaper. Hand drawn sketch
F03-002801	1928	Letter from Morgan Motor Co. ref new induction pipe for JAP engines & flange suitability. to Mr Vivian Prestwich of JAP & Co., Nov.1928, ref; letter received from Amal carburetters.
F03-002901	1929	Letter from Morgan Motor Co. (8th March 1929) ref type of tyres fitted to Super Sports models
F03-003101	1931	Letter from Morgan Motor Co to Mr Jordan, Bristol, ref cost of transmission parts. To Mr Jordan, Bristol, ref cost of transmission parts.
F03-003102	1931	Note on Morgan Motor Co notepaper ref dispensation for requirement of rear view mirrors. clarifying dispensation from requirement to be fitted with rear view mirrors under the 1930 road traffic act
F03-003201	1932	Note on Morgan Motor Co notepaper ref details of JAP LTOWZ stamping symbols.
F03-003202	1932	Note on Morgan Motor Co notepaper listing unladen weights of 2 & 3 speed models. (March 1932)
F03-003203	1932	Morgan Motor Co., Inter-departmental note ref JAP engine rotary valve timing. From George Goodall to Harry Jones (May 1932)
F03-003204	1932	Letter from Morgan Motor Co. to JAP & Co. ref plate clutch conversion & stamping symbols. Relates to thrust direction of bearings (December 1932)
F03-003301	1933	Specification of Matchless "Morgan" engine type MX on Morgan Motor Co. notepaper. (March 1933)
F03-003401	1934	Gear ratios of new four cylinder gearbox typed on Morgan Motor Co. notepaper. (October 1934)
F03-003402	1934	Typed list of part numbers & prices for various Morgan bearings.
F03-003501	1935	Blank form used by factory to report on general condition of customers car when received.
F03-003601	1936	Handwritten note giving part numbers of Lucas screen-wiper fitted to various models inc 4/4.
F03-003602	1936	Handwritten note giving dimension of cross-head tubes for various models inc 4/4.
F03-003603	1936	Letter from Morgan Motor Co - quote for price of spares to overhaul a 2-speeder Family. To Mr.Reeves, Townsville, Australia (Oct.1936)
F03-003604	1936	Performance figures from Autocar road test for 4/4 model on Morgan Motor Co notepaper. (December 1936)
F03-003605	1936	Various prices for 4/4 parts. extras at time of ordering, tool kit contents, replacement bulbs etc. (c.1936)
F03-003606	1936	Typed list of K.L.G. sparking plug recommendations and prices for 3-wheelers & 4/4.
F03-003607	1936	Typed list of suggested stock of spares for 4/4 model (including prices) Messrs. Gorman Brothers Ltd., Dublin (c.1936)
F03-003801	1938	Morgan Motor Co., Inter-departmental note ref speedometer readings & tyre sizes. from George Goodall to Mr.Jay, various sizes of tyres used on Morgan 4/4. (May 1938)
F03-003802	1938	Morgan Motor Co., Inter-departmental note ref gear ratios - new Moss gearbox on 4/4. from George Goodall to Mr.Jones (July 1936)
F03-003803	1938	Typed list of petrol and water capacities for three-wheelers. Subsequently annotated with values for 4/4 Series 1 & 2 and +4. (c.1938)
F03-003804	1938	Letter from Morgan Motor Co. to Mr F.H.Douglass ref extra discount for 3-wheelers. 25% off retail price (extra 5%) for 3-wheelers ordered & paid for by December.
F03-003805	1938	Morgan Motor Co., Inter-departmental note ref close ratio gearbox for 3-speeders. from George Goodall to Mr Jay, Jones and Curtis (Nov.1938)
F03-003806	1938	Letter from Morgan Motor Co. to Mr F.H.Douglass ref outstanding account. (Dec. 1938)
F03-004001	1940	Poster displayed at the Morgan Company - donations to raise money for a fighter plane. requesting donations to a fund being organised by the Malvern Gazette raising money to present a fighter plane to the Nation. Lists 37 factory employees. Donations include £5 from HFS & 2/6d from George Goodall (c.1940)
F03-004002	1940	Morgan factory wartime aircraft parts production log card.
F03-004301	1943	Letter from H.F.S. Morgan concerning cycling and wartime munitions work. Handwritten on company headed notepaper to Mr. George Henry Butcher, proprietor of James Fryer Ltd., the Herefordshire Morgan agent. A photograph (catalogue illustration) captioned: "First Morgan 2-seater"enclosed with the letter shows a c.1912 Runabout
F03-004401	1944	Letter from George Goodall (Morgan Motor Co) ref carburetter freezing & engine vibration. commenting on correspondence between Mr. Morris, Isleworth, and Mr Seaman, the "Morgan Club" leader
F03-005301	1953	Letter from Morgan Motor Co. to Mr. Wilson, Australia, ref: supply of spare parts and 19 pages of typed maintenance notes for the 10hp F-type
F03-006201	1962	Letter from Morgan Motor Co ref 5% increase in price of factory-made parts.
F03-006501	1965	Letter from Morgan Motor Co. ref price of worm gears. to Messrs Bowman & Acock Ltd. (July. 1965)
F03-006601	1965	Letter from Morgan Motor Co ref 5% increase in price of factory-made parts. to Messrs Bowman & Acock Ltd. (Oct. 1965)

Morgan Dealers' Miscellaneous Documents

F03-012801	1928	Morgan Runabout parts list. Sydney Hall, Morgan agent. St.Albans. (c.1928)
F03-012802	1928	Morgan Aero cartoon. By E.J.Massey. From F.H.Douglass collection. Christmas 1928.
F03-012901	1929	F.H.Douglass advertising leaflet. Includes illustrated details of Morgan range (c.1929)
F03-013201	1932	Morgan Runabout parts list. Maskell for Morgans Ltd (2 & 3 speeders). (c.1932)
F03-013202	1932	Morgan Runabout parts list. Homac's Morgan Service Depot (2 & 3 speeders - same list as above). (c.1932)

F03-013401	1934	Greetings card, dated 1934. Features Morgan cartoon, from F.H.Douglass collection
F03-013601	1936	Dealers agreement, contract between Morgan Motor Co., and Bowman & Acock Ltd, of Pickersleigh Garage, Malvern Link. (Sept.1936)
F03-014401	1944	Morgan Memories by E.P.Huxham (Bournemouth Morgan agent). Typed copy of Motor Cycling article, 3rd August 1944
F03-015501	1955	F.H.Douglass advertising leaflet. Brief details of services to Morgan owners. (c.1955)
F03-015601	1956	Letter from Bowman & Acock Ltd dated 1956 ref: additions to "Service for Morgan Owners" booklet.
F03-015801	1958	Service for Morgan Owners dated 1958. Bowman & Acock Ltd booklet listing services offered with details of various aspects of both 3 & 4 wheeled models
F03-016101	1961	Morgan Newsletter. from Bowman & Acock Ltd. General & spares news. (Feb. 1961)
F03-016201	1962	Letter from A.J.O'Shea (February 1962) to Bowman & Acock Ltd, ref: Lockheed brake conversion. Includes conversion description and parts list. Also brief details of soft/medium front springs, sliding axle rebushing, flywheel repairs & dynamo conversion sets.
F03-016202		Information sheet from Bristol Electronic & Light Co (A.J.O.O'Shea) to Bowman & Acock Ltd. Ref: Distributors for twin cylinder Morgans. (undated)
F03-016203		Information sheet from Bristol Electronic & Light Co (A.J.O.O'Shea) ref; distributors for twin cylinder Morgans. Similar to above but includes additional information, details for fitting etc
F03-016204		Information sheet from Bristol Electronic & Light Co (A.J.O.O'Shea) Alternative equipment for Morgans. Includes details of soft spring sets, sliding axles and flywheel parts. (undated)
F03-016205		Information sheet from Bristol Electronic & Light Co (A.J.O.O'Shea) ref; brakes - description of various modifications available to improve braking efficiency. (undated)
F03-016501	1965	Spares price list - Bowman & Acock Detailed listing of spares (incl. part numbers) for three-wheelers & associated engines. Also separate sheets with labour charges for various jobs & prices charged by Alpha Bearings. (undated but believed c.1965)
F03-016502		Letter from Bowman & Acock Ltd. ref: special spares offer, 30% to 50% discount on new spares. (undated but believed mid '60s)
F03-016503		Gearbox spares price list Bowman & Acock Ltd., handwritten note. (undated)
F03-016504		D-type starting handle Bowman & Acock Ltd. Rough dimensioned sketch. Also includes 3-wheeler tubular side-stay
F03-016505		MX Cam follower rollers note to stores from Bowman & Acock Ltd collection ref use of dismantled chain for roller bushes. (undated)
F03-016506		F-type track rod & drag link details Bowman & Acock Ltd. Handwritten note. (undated)
F03-016507		Stock Holding list Bowman & Acock Ltd, 3 & 4 wheeler. (undated)
F03-016508		Sandford three-wheeler cartoon on Christmas card sent to F.H.Douglass from the Morgan Club, France. (undated)
F03-017201	1972/73	"Lucky Joe" - Random Reminiscences of an Old Enthusiast. E.P (Joe) Huxham with foreword by Rev Peter Huxham
F03-017202		Booklet version of F03-017201. Rearranged for duplex printing & stapling as A5 booklet.

Patents (Morgan and related designs)

F04-000001		H.F.S. Morgan's Patents on designs for his Runabout Summary of Morgan's patents (J.Leavens)
F04-001001	1910	Improvements in the Design and Construction of Tri-cars or other light Automobile Vehicles Patent No.20,986 dated September 1910. Description & drawings of Morgan's tiller steered Runabout.
F04-001401	1914	A New or Improved Light Car or other Automobile Patent No.19,467 dated Sept. 1914. Description & drawings of Morgan's four-wheeled cyclecar.
F04-001801	1918	Improvements relating to Demountable Wheels for Light Cars, Motor Cycles and the Like Patent No.134,390 dated Nov. 1918. Description & drawings of Morgan's design for a hub & spindle arrangement.
F04-001802	1918	A New or Improved Chain or like Adjustment for Motor Cars, Motor Cycles and the Like Patent No.135,789 dated Nov. 1918. Description & drawings of Morgan's design for a chain adjuster.
F04-001901	1919	Improvements in or apertaining to devices for regulating or moving parts of change speed gears or for similar operations. Patent No.162,335 dated Dec.19, 1919. Description & drawings of Charles Caton's gear change mechanism
F04-001902	1919	Improvements in change speed driving gear. Patent No.162,336 dated Dec.19, 1919. Description & drawings of Charles Caton's "Caton" gearbox for motorcycles and like vehicles.
F04-002101	1921	Improvements in or apertaining to devices for operating change speed mechanism for motor-vehicles and for other purposes. Patent No.192218 dated Nov.16, 1921. Description & drawings of Charles Caton's gear change lever as used on Morgans with the "Caton" gearbox
F04-002201	1922	Improvements in change speed gearing for use in Motor vehicles and for like purposes. Patent No.204,218 dated Oct.6, 1922. Description & drawings of Charles Caton's "Caton" gearbox for Morgans.
F04-002501	1925	Engine - turning Gear Patent No.247,730 dated Feb. 1925. Description & drawings of Mr E.D.Moore's design for a two-speeder Morgan kick-start mechanism (known as the "Kushi" starter).
F04-002601	1926	Improvements in or relating to the steering gear of automobiles. Patent No.278,501 dated Sept.14, 1926. Description & drawings of Mr.Leslie Hooley's "Hooley" steering damper as fitted to Morgans.
F04-002701	1927	Improvements in or relating to the steering Mechanism of Motor or other Vehicles Patent No.289,272 dated June 1927. Description & drawings of Morgan's design for a conical track rod joint.
F04-002901	1929	Improvements relating to the mounting of the gear box and driven road wheel in three wheeled motor vehicles. Patent No.343,058 dated Nov.12, 1929. Description & drawings of Morgan's "M-type" rear transmission.

- F04-003301 **1933** **Improvements relating to the chassis of motor vehicles.** Patent No.410,395 dated Oct.6, 1933. Description & drawings of Morgan's "F-type" chassis.
- F04-004901 **1950** **Improved Springing and Mounting Arrangement for the Rear Wheel of a Three-Wheeled Vehicle.** Patent number 662,768 filed on 9th March 1950. A fascinating design for a removable back wheel.

JAP ENGINES

JAP Factory Catalogues

- F05-000801 **1908** **Catalogue covering full range of engines.** Also details of JAP 10hp 4-cylinder 3 wheel car, patent worm gear drive, variable speed pulley, JAP carburettor, spark plugs and automatic lubricator plus many other products. Includes 3 & 4 cylinder engines. Comprehensive list of major competition successes for 1905 to 1907.
- F05-001401 **1914** **Catalogue covering full range of engines** Includes details of patent valve gear, new big end lubrication system, JAP carburettor & automatic lubricator.
- F05-001501 **1915** **Instruction book Six & Eight HP** Maintenance book for s.v engines + parts list & fault finding chart
- F05-001601 **1916** **Catalogue covering motor cycle & light car engines** Features mainly the V-twin engine range. Main text in English although French & Spanish translations included.
- F05-002301 **1923** **"The JAP Book"** Instruction book & fault finding charts
- F05-002401 **1924** **"The JAP Book"** Full range of engines, instructions, timing & fault finding charts
- F05-002601 **1926** **Catalogue** Incomplete but includes details of all engine types fitted to Morgans.
- F05-002602 **1926** **"The JAP Book"** Full range of engines, instructions, timing & fault finding charts
- F05-002801 **1928** **Catalogue** Incomplete but includes full range of engines.
- F05-002901 **1929** **Catalogue** Incomplete but includes details of all engine types fitted to Morgans.
- F05-003001 **1930** **Catalogue** Full range of engines. Includes details of lubrication system & JAP oil pumps plus the JAP transmission shock absorber. List of machines to which JAP engines are fitted and list of JAP dealers.

JAP Handbooks, Histories and Miscellaneous

- F05-003002 **1930** **JAP Handbuch** German version of "The JAP Book"
- F05-003101 **1931** **Repairing and Overhauling JAP engines** by Stanley Greening (JAP Ltd). Extract from unknown book
- F05-003501 **1935** **Reference Book** Care & maintenance manual
- F05-003502 **1935** **"The JAP Book"** Full range of engines, instructions, timing & fault finding charts
- F05-006501 **1965** **The Story of the Racing JAP** Written & published by Cyril May, c.1965

SEE ALSO:

- F13-030005 for JAP Piston and Piston ring specifications

JAP parts lists

- F06-002301 **1923** **6 & 8hp A/C & 8hp W/C SV Standard Twin parts list** With photographs on cover & page 2.
- F06-002302 **1923** **6 & 8hp A/C & 8hp W/C SV Standard Twin parts list** With photographs on page 2. Similar to F06-002301 but slightly different layout including a drawing (part cut-away) and warning about pirated parts. No cover photo.
- F06-002303 **c.1923** **8hp SV Sports Twin parts list**
- F06-002401 **1924** **293cc SV parts list** Includes general arrangement drawing (part cut-away)
- F06-002402 **1924** **350cc OHV Standard parts list** Includes general arrangement drawing (part cut-away)
- F06-002403 **1924-5** **6 & 8hp A/C & 8hp W/C SV Standard Twin parts list** With photographs on page 2. Includes general arrangement drawing (part cut-away)
- F06-002404 **1924** **8.30hp SV Twin parts list** Includes general arrangement drawing (part cut-away)
- F06-002405 **1924** **8.30hp SV Twin parts list** Includes general arrangement drawing (part cut-away). Similar to EJP24 but slightly different layout. Includes warning about pirated parts.
- F06-002501 **1925** **250cc SV 4 Standard parts list** Includes general arrangement drawing (part cut-away)
- F06-002502 **c.1925** **Clearance list of JAP engine spares** (Incomplete). B.A.T. Motor Spares & Repairs Co.
- F06-002601 **c.1926** **175cc SV 4 Stroke parts list** Includes general arrangement drawing (part cut-away)
- F06-002602 **c.1926** **250cc OHV Standard parts list** Includes general arrangement drawing (part cut-away)
- F06-002603 **c.1926** **500cc, 550cc, 600cc SV Standard parts list** Includes general arrangement drawing (part cut-away)
- F06-002604 **c.1926** **680cc OHV Twin parts list** Includes general arrangement drawing (part cut-away)

F06-002605	1926	Clearance list of JAP engine spares B.A.T. Motor Spares & Repairs Co.
F06-002701	c.1927	AZA 125cc, 150cc, 175cc 2-stroke parts list Includes sectional arrangement drawing (part cut-away)
F06-002702	1927	300cc SV Single parts list Includes general arrangement drawing (part cut-away)
F06-002703	1927	350cc SV Standard & Roadster parts list Includes general arrangement drawings (part cut-away)
F06-002704	c.1927	AZA 500cc SV Single parts list Includes general arrangement drawing (part cut-away)
F06-002705	c.1927	4 & 5hp SV Twin parts list
F06-002706	1927	500cc OHV Standard parts list Includes general arrangement drawing (part cut-away)
F06-002707	1927	350cc OHV Sports (single port) and 250cc & 350cc OHV Racing (double port) parts list
F06-002708	c.1927	500cc & 600cc OHV Racing & 500cc OHV Sports parts list
F06-002709	1927	8.45hp OHV & 1100cc WC Twin parts list, KTOR & LTOW
F06-002710		"Exploded" Diagram Ref 1100cc WC Twin parts list - LTOW "Dog Ear"
F06-002711	1927	Various engines 250cc to 8hp 8-30 4-cam spare parts list J.Hemmings & Sons, JAP catalogue. Includes illustrations (poor), plus notes on care & maintenance and valve & magneto timing for many types of JAP engines 175cc to 8-45 racing.
F06-002801	c.1928	Side Valve Twin engines spare parts list D Several models included with most parts illustrated
F06-002802	c.1928	Overhead valve Standard engines spare parts list E Several models included from 250cc single to 1100cc twin with many parts illustrated
F06-002803	c.1928	Overhead valve Sports engine spare parts list F Several models included from 250cc single to 1100cc twin with many parts illustrated.
F06-002901	1929	Clearance List of JAP engine spares J.Hemmings & Sons. Includes photographs of complete engines & some spares plus illustrated details of accessories & conversion sets from SV to OHV.
F06-003001	c.1930	Clearance List of JAP engine spares J.Hemmings & Sons.
F06-003301	1933	Clearance List of JAP engine spares Heppelthwait's "Old Man Hep"
F06-003401	1934	Clearance List of JAP engine spares Heppelthwait's "Old Man Hep"
F06-003501	c.1935	Side Valve Twin engines spare parts list Several models included
F06-003502	c.1935	Overhead valve Standard engines spare parts list Several models included. With revised prices amendment.
F06-003701	c.1937	Side Valve Twin engines spare parts list Several models included. Same as F06-003501 but with 1937 amendment advising of 10% price increase.
F06-003702	c.1937	Racing engines spare parts list Several models included. Earlier list with 1937 amendment advising of 10% price increase.
F06-003801	c.1938	Side Valve Twin engines spare parts list Several models included. Same as F06-003501 but with 1938 amendment advising of 15% price increase.
F06-003901		500cc Speedway racing engine type 4b spare parts list
F06-003902		500cc OHV Speedway & 350cc OHV Grass Track parts list
F06-003903		Model 16H, type 16 (Landmaster) non-standard parts list

JAP Drawings, General

F08-001001	1910	8hp SV A/C twin 3-view, 1/2 scale drawing of 2-cam, bronze timing cover type as used in the first tiller steered production Morgan. (M.Webb, May 1994)
F08-001201	1912	"90 bore" OHV W/C Sports Twin 1/2 scale general arrangement drawing (M.Webb, May 1994)
F08-002401	1924	8/45 OHV A/C P.R.Twin General arrangement factory drawing (part cut-away) including sectioned drawings of rotary oil valve.
F08-002402	1924	8/30 SV A/C Sports Twin General arrangement with parts list.
F08-002801	1928	"Dog Ear" OHV W/C Sports twin 1/2 scale general arrangement drawing (M.Webb, May 1995)
	1928	OHV A/C 995cc twin 80 x 90 mm. Approx 1/2 scale general arrangement drawing. Dated October 1928 (printed on card)
F08-004601		OHV A/C Twin Mark 1 engines, type 1 Full size general arrangement JAP factory drawing for 500cc, 750cc, 1000cc & 1100cc versions including power curves for petrol and methanol. Pt.No.1506. (J.A.Prestwich & Co. Ltd)
F08-004602		As above but reduced to A3 size.
F08-004801	1948	8/80 OHV A/C Twin General arrangement JAP factory drawing (J.A.Prestwich & Co.Ltd)
F08-005001		Table of threads used on Morgans JAP Engines

Crankcase, crankshaft & timing

F08-011001	1910	Timing gear mechanism of 1910 8hp SV A/C twin Drawing of cam wheels and cam-follower assemblies (M.Webb May 1994)
F08-020001		Timing case guide for machining holes Dimensioned drawing
F08-020002		Front mainshaft for KT and KTW engines Full size dimensioned drawing with notes (C.Coombes, July 1992)
F08-020003		Front mainshaft for LT, LTW & LTOW engines/ Full size dimensioned drawing with notes (C.Coombes, July 1992)
F08-020004		Front mainshaft for LTOWZ engines Full size dimensioned drawing with notes (C.Coombes, July 1992)
F08-020005		Internal flywheels, taper fit, 60 deg LTOWZ Full size dimensioned drawing with notes (J.Rowland, Feb/March 1982)
F08-020006		Big end pin and ring (conrod bush) for 60 deg JAP engines Dimensioned drawing with notes (C.Coombes, April 1994)
F08-020007		Crank pin & conrod ring, LTWZ, LTOWZ etc Full size dimensioned drawing with notes (C.Coombes, Aug 1964)
F08-020008		Crank pin bearing outer ring, oversize to fit worn conrods, LTWZ, LTOWZ etc Full size dimensioned drawing with notes (C.Coombes, April 1964)
F08-020009		Big end spacer washers Dimensioned drawing, not to scale (M.Bull, April 1984)
F08-020010		Rear mainshaft for 60 degree JAP engines Full size dimensioned drawing with notes (C.Coombes, July 1992)
F08-020011		Driving spindle 1100cc SV 60 deg "Wickham" type Not Morgan - spindle is nearly 7" in overall length. Original JAP factory full-size dimensioned drawing. (J.A.Prestwich & Co. Ltd., Sept. 1932)
F08-020012		Driving spindle, 60 deg (A2 version of above) Full-size dimensioned drawing (J.C.M., May 1983)
F08-020013		Outside flywheel nut Full-size dimensioned drawing (J.Ingleby, May 1986)
F08-020014		Outside flywheel nut Dimensioned drawing (Vislock Engineering Ltd., Dec 1972)
F08-020015		Front mainshaft pinion for KT engines Full size dimensioned drawing with notes (C.Coombes, March 1994)
F08-020016		Front mainshaft pinion for LTOWZ engines Full size dimensioned drawing with notes
F08-020017		Tab washer for mainshaft pinion, LTOWZ Full-size dimensioned drawing (C.Coombes)
F08-020018		Timing pinion nut, 60 deg (Pt.No. 8214) Dimensioned drawing (Vislock Engineering Ltd., Oct 1974). (C.Coombes, March 1994)
F08-020019		Starting dog. Used on LTWZ & LTOWZ engines. Full-size dimensioned drawing (C.Coombes, May 1992)
Missing		Starting handle. Used on 60 degree engines. Dimensioned drawing (C.Coombes, July 1994)
F08-020021		Cam lever pivot pin, 50/60 deg. OHV engines Full size dimensioned drawing with notes (J.Ingleby, August 1979)
F08-020022		Cam follower roller, pin and bush Dimensioned drawing with notes (C.Coombes, Feb. 1976)
F08-020023		Magneto bevel gears for early JAP engines (screw fitting to camshaft) Full-size dimensioned drawing (C.Coombes, Jan. 1996)
F08-020024		Magneto bevel gears for later JAP engines Taper fitting to camshaft, not coil ignition types. Full-size dimensioned drawing with notes (C.Coombes, October 1996)
F08-020025		Rotary oil valve used on engines from c.1926. 50 & 60deg JAP types Full-size dimensioned drg with notes on valve timing (C.Coombes, May 1992)
F08-020026		Oil pump drive gear & shaft - 60 degree JAP type Dimensioned drawing (C.Coombes, Nov. 1984)
F08-020027		Oil pump - 50 degree JAP type Dimensioned drawing (C.Coombes, Nov. 1995)
F08-029401		JAP DTZ engine conversion for Morgan use Set of dimensioned drawings to accompany article on JAP DTZ conversion in MTWC Bulletin of Sept 2000. (T.Seymour, Oct 1994)
F08-030001		JAP 60deg - Camshaft Comparison Chart showing differences between 8/80, LTOWZ & DTZ (G.Caroline Feb 2016)
F08-030002		JAP 60deg - Camshaft Comparison As F08-030001 but combined on one sheet.

Cylinders, pistons & valve gear

F09-020001		Cylinder head bolts for JTOR engines Full-size dimensioned drawing (C.Coombes, August 1995)
F09-020002		Cylinder head bolts for LTOW "dog-ear" engines Full-size dimensioned drawing (C.Coombes, May 1992, edited Feb 1996)
F09-020003		Cylinder head bolts for LTOWZ engines Full-size dimensioned drawing (C.Coombes)

F09-020004	Cylinder head bolt, front only, 60 deg & late 50 deg OHV engines Full-size dimensioned drawing, with notes (R.Haynes, July 1975)
F09-020005	Cylinder head bolt, rear only, 60 deg & late 50 deg OHV engines Full-size dimensioned drawing, with notes (R.Haynes, July 1975)
F09-020006	Plan form of Cylinder Top. 1100cc Dog Eared LTOW Mogspares Drg. JO49 9230. (R.Haynes 2005)
F09-020007	Plan form of Cylinder Top. 1100cc 60deg LTOW/Z Mogspares Drg. JO48 11122. (R.Haynes 2004)
F09-020008	Cylinder head & exhaust flange gaskets, 60 deg & LTOWZ engines Full-size dimensioned drawing
F09-020009	Cast iron piston for 1910 8hp SV A/C twin Full-size drawing (M.Webb, May 1994)
F09-020010	Piston, 85.7mm, OHV 1100cc LTOW/Z engines
F09-020011	Tappet rod guide & pushrod thimble used on JTOR engines Full-size dimensioned drawing with notes (C.Coombes, July 1965)
F09-020012	Valve tappet & guide, "Dog-ear" engine Dimensioned sketch.
F09-020013	Pushrod cover stub used on rocker box type JAP engines. Dimensioned drawing (C.Coombes, July 1994)
F09-020014	Pushrod end - bottom (MTWC002) Dimensioned drawing (C.White, Sept 1981)
F09-020015	Pushrod end - top (MTWC001, RE159/160) Dimensioned drawing (C.White, July 1981)
F09-020016	Tappet adjusting nut. (08M007) Dimensioned drawing (Vislock Engineering Ltd., May 1975)
F09-020017	Rocker box holding down bolt, 60deg & late 50deg OHV engines. Full-size dimensioned drawing, with notes (R.Haynes, July 1975)
F09-020018	Valve, guide & spring assembly plus valve caps for 1910 8hp SV A/C twin (M.Webb, May 1994)
F09-020019	Valve, inlet & exhaust for side valve engines Full size dimensioned drawing with notes (P.Kennedy, Nov. 1979)
F09-020020	Valve, inlet & exhaust for side valve engines (RE249) (6207/2). Full size dimensioned drawing with notes. (modified valve head shape)(J.Ingleby, March 1985)
F09-020021	Valve, inlet & exhaust for LTOW & LTOWZ engines (777-1) Full size dimensioned drawing with notes. (modified valve head shape)(R.Haynes, Sept. 1975)
F09-020022	Valve & guide, inlet & exhaust for LTOW engines Full size dimensioned drawing with notes. (C.Coombes, updated by R.Haynes, August 1975)
F09-020023	Valve guide, inlet & exhaust for LTOW & LTOWZ engines Full-size dimensioned drawing, with notes (R.Haynes, Sept 1975)
F09-020024	Valve spring set for LTOW & LTOWZ engines Drawing with notes & table of dimensions for inner, intermediate & outer springs (R.Haynes, Dec.1975)
F09-020025	Valve spring plates used on JAP OHV engines Full-size dimensioned drawing, including a table of inner, middle & outer spring dimensions (C.Coombes June 1992)
F09-020026	Valve spring bottom retainer. Dimensioned drawing (J.Rowland, May 1981)
F09-020027	Valve spring top retainer Dimensioned drawing (G.Cowley, January 1981)
F09-020028	Valve lifting assembly, LTOWZ Full-size dimensioned general arrangement & component parts drawings, with notes (D.H.B., June 1989)
F09-020029	"Fir cone" valve caps used on SV JAP engines
F09-020030	Sparking plug valve caps used on JAP SV engines Two types shown; standard Morgan/JAP & small port engines. Full-size dimensioned drawing (C.Coombes June 1992)
F09-020031	Cylinder block water outlet union Full-size dimensioned drawing (C.Coombes, July 1992)
F09-020032	Water jacket drain plug, KTW, LTOW, LTOWZ. Dimensioned drawing (M.Bull, May 1979)
F09-020033	Water jacket union Dimensioned drawing (M.Bull, May 1979)
F09-020034	Water union nut & nipple Dimensioned drawing (M.Bull, May 1979)
F09-020035	Manifold nuts for SV "small port" engine. Inlet & exhaust plus olive Dimensioned drawing (G.Cowly, Nov. 1979)
F09-020036	Exhaust flange gasket 50 & 60 deg OHV engines (MSE44/R451) Full-size dimensioned drawing (January 1971)
F09-021001	Inlet manifold c.1910 small-port 8hp V-twin Full-size drawing (M.Webb, 1997)
SEE ALSO:	
F03-002801	for Amal carb inlet manifold.
F13-030006	for Inlet, exhaust & water pipe nuts.

JAP Factory Documents

F07-002601	Letter from JAP & Co to Morgan Motor Co. June 1926 Ref; revised big-end roller bearings on 980cc SV twins
F07-002701	Letter from JAP & Co to Morgan Motor Co. March 1927 Ref; detailed prices of 8hp 1922 conrods & cast iron pistons
F07-002702	Letter from JAP & Co to Morgan Motor Co. March 1927 Ref; spares lists & system of engine classification. Includes codes for engine stamping 1921-1927
F07-002703	Letter from JAP & Co to Morgan Motor Co. April 1927 Ref; delay in sending spares lists.
F07-002801	Letter from JAP & Co to Morgan Motor Co. November 1928 Ref; new inlet manifold flange & new 980cc SV aircooled inlet pipe. (see FIC.. & MMCC 28a)
F07-002901	Letter from JAP & Co to Morgan Motor Co. January 1929 Ref; stamping symbol * on 980cc SV w/c engines
F07-003001	Letter from JAP & Co to Morgan Motor Co. January 1930 Ref; three special series of engine numbers for Morgans (with dates)
F07-003101	Letter from JAP & Co to Morgan Motor Co. November 1931 Ref; dynamo drive sprocket on single cylinder engine.
F07-003201	Letter from JAP & Co to Morgan Motor Co. November 1932 Ref; engine stamping symbols relating to changes due to new type of contact breaker.
F07-003202	Letter from JAP & Co to Morgan Motor Co. November 1932 Ref; engine stamping symbols relating to specially tuned ohv standard engines.
F07-003203	Letter from JAP & Co to Morgan Motor Co. December 1932 Ref; engine stamping symbols relating to thrust direction of bearings.
F07-003301	Letter from JAP & Co to Morgan Motor Co. March 1933 Ref; engine stamping symbols relating to changes due to new system of lubrication to cylinder neck.
F07-003302	Letter from JAP & Co to Morgan Motor Co. April 1933 Ref; engine stamping symbols relating to new timing gear spindles & pinions.
F07-003303	Letter from JAP & Co to Morgan Motor Co. April 1933 Ref; engine stamping symbols relating to new type of cylinders.
F07-004001	Letter from JAP & Co to Mr.Morris, Isleworth. January 1940 Ref; handbook & spares for 1100cc ohv JAP and suggestions for running on Pool petrol.

JAP engine production and test records

F07-012001	JAP engine classification 1917 to 1920 Comprehensive symbols & numbering code explanation document including modification codes for various engines.
F07-012002	JAP engine classification symbols & numbering codes c.1920 to 1940 Including modification codes for various engines.
F07-012701	JAP engine deviation symbols for modifications Various engines 1921 to 1927
F07-012702	Single Cylinder "Standard" JAP engines 1927 production Factory list including details of symbols, bore & stroke, ACU rating, bearings, lubrication system & magneto drive
F07-012703	Twin Cylinder "Standard" JAP engines 1927 production Factory list including details of symbols, bore & stroke, ACU rating, bearings, lubrication system & magneto drive
F07-012704	Sports and Racing JAP engines 1927 production Factory list including details of symbols, bore & stroke, ACU ratings, bearings, lubrication systems & magneto drive.
F07-012705	"AZA" type JAP engines 1927 production Factory list including details of symbols, bore & stroke, ACU ratings, bearings, lubrication systems & magneto drive.
F07-012901	List, dated Jan 1929, of engine stamping symbols "Morgan" 980cc s.v. twin, KT & KTW from 1927 to 1929
F07-012902	List, dated Jan 1929, of engine stamping symbols "Morgan" 1,100cc ohv twin, LTOW from 1927 to 1929
F07-012903	JAP engine classification symbols & numbering codes for various engines. Dated 1929
F07-012904	JAP engine valve material number chart for various engines c.1929
F07-013001	JAP engine specification book summary. 1930 - 1933 Details range of production engines for each year & corresponding JAP classification symbols.
F07-013101	Engine modifications for 1931. List dated July 1930 Details general modifications plus those specific to certain engines from 250cc single to 1100cc OHV twin
F07-013102	1931 JAP engines List detailing complete range, including bore & stroke, classification symbol & factory drawing number.
F07-020001	Compression ratios of OHV JAP engines, 50deg & 60deg. Includes variations due to compression plates.
F07-020002	500cc OHV TT Racing single date sheet. JOR Drawing No.1309

F07-020003		750cc OHV Racing twin data sheet. ETOR.
F07-020004		750cc OHV Racing twin data sheet. ETOR. Drawing No.1111 Minor differences from EJF D2
F07-020005		980cc SV Standard twin data sheet. KT. Drawing No.1076/1
F07-020006		980cc SV Watercooled twin data sheet. KTW. Drawing No.1213.
F07-020007		980cc SV Watercooled twin data sheet. KTW/S. Drawing No.076?, dated 30-11-35.
F07-020008		980cc SV twin 4 cam 8.30hp Sports data sheet. KTCY. Drawing No.1110
F07-020009		980cc OHV Racing twin data sheet. KTOR/A. Dated 1925
F07-020010		1,000cc OHV Standard twin date sheet. JTO. Drawing No.1211.
F07-020011		1,000cc OHV 4 cam Standard twin date sheet. JTO. Drawing No.1211.
F07-020012		1,000cc OHV Racing twin data sheet. JTOR. Drawing No.1211.
F07-020013		1,000cc OHV Racing twin data sheet. JTOR. Drawing No.1211. Minor differences from F07-020012
F07-020014		1,000cc OHV Racing twin data sheet. JTOR. Drawing No.1211. Minor differences from F07-020012 & 13
F07-020015		1,100cc SV 60deg Aircooled twin date sheet. LTZ. Drawing No.1269/1"Z"
F07-020016		1,100cc SV 60deg Watercooled twin date sheet. LTWZ. Drawing No.1269/1"Z"
F07-020017		1,100cc OHV Watercooled twin data sheet. LTOW. Drawing No.1248
F07-020018		1,100cc OHV Watercooled Standard twin data sheet. LTOW. Minor differences from F07-020017
F07-020019		1,100cc OHV Watercooled Standard twin data sheet. LTOW/3. Drawing No.1248 Minor differences from F07-020017 & 18
F07-020020		1,100cc OHV Watercooled Standard twin data sheet. LTOW/S. Drawing No.0760. Dated 30-11-35
F07-020021		1,100cc OHV Watercooled Sports twin data sheet. LTOWC/5
F07-020022		1,100cc OHV 60deg Watercooled twin data sheet. LTOWZ. Drawing No.1261/Z
F07-020023		1,100cc OHV 60deg Watercooled twin data sheet. LTOWZ. Drawing No.1261/Z Minor differences from F07-020022
F07-030001		The Care of the OHV engine - JAP factory booklet including basic valve and ignition timing information for a range of engines. (Date unknown)
	1948	Pitman's "The Book of the JAP engine" Comprehensive workshop manual for maintenance and overhauling JAP engines
	1952	Pitman's "The Book of the JAP" Comprehensive workshop manual for maintenance and overhauling JAP engines
F07-032701		Range of JAP engines produced up to 1927 Various sizes, includes basic cylinder dimensions & letter reference codes. (article from VMCC)
F07-032801		Timing Chart for JAP engines 1926 - 1928 Various models, 175cc to 1,100 cc twin
F07-033001		Timing Chart for JAP engines 1929 - 1930 Various models, 175cc to 1,100 cc twin
F07-033002		Timing Charts for JAP engines 1926 - 1930 Combination Copy of F07-032801 & F07-033001
F07-033101		Timing Chart for JAP engines 1931 Various models, 175cc to 1,100 cc twin
F07-035201	1952	The JAP Story, 1895 to 1951 By D.J.Buchanan, published by JAP c.1952. History of the Firm
F07-037301	1973	JAP Speedway Engine Manual General description, specification & settings. (George Greenwood)
		SEE ALSO:
F03-002801		for AMAL carb inlet manifold.
F03-003201		for LTOWZ stamping symbols.
F03-003203		for Rotary oil valve timing.
F03-003204		for Plate clutch conversion.

MATCHLESS ENGINES

Matchless Publications

- F10-003701 **1937** **Instruction book and parts list covering X, MX, MX2 & MX4 engines.**
Produced by Maskell for Morgans Ltd. Of Camberwell, London.
- F10-003702 **Instruction book & parts list. Undated & amended reprint of F10-003701.**
Produced by F.H.Douglass, Ealing, London.

Matchless Drawings General

- F10-010001 **X 990cc SV twin. Exploded drawing of air cooled version of the MX**
- F10-010002 **MX2 990cc OHV twin. General arrangement drawing.**
- F10-010003 **Negative of F10-010002**
- F10-010004 **MX4 990cc OHV twin. "Exploded" drawing.**
- F10-010005 **Table of threads used on Morgans - Matchless engines.**

Crankcase, crankshaft & timing

- F10-020001 **Front mainshaft MX, MX2, MX4.**
Includes notes (C.Coombes, June 1994)
- F10-020002 **Starting handle Dog. MX, MX2, MX4.**
Includes notes (C.Coombes, Feb.1996)
- F10-020003 **Mainshaft pinion and starting dog. MX, MX2, MX4.**
Includes notes (C.Coombes, Feb.1996)
- F10-020004 **Starter pinion hold-off spring**
1:1, including full specification (J.Ingleby)
- F10-020005 **Starter dog pinion nut. MX, MX2, MX4.**
1:1, (J.Ingleby, Dec. 1981)
- F10-020006 **Front main bearing. MX, MX2, MX4.**
(C.Coombes, 1964, redrawn Feb. 1996)
- F10-020007 **Front main bearing. MX2, MX4.**
1:1. (M.Park, May 1974)
- F10-020008 **Front main bearing. MX2, MX4.**
1:1 (RE37)
- Internal flywheels. MX, MX2, MX4.**
1:1. (G.Cowley, January 1980)
- Crankpin and conrod rings. MX, MX2, MX4, & Motor Cycle X engines.**
Includes notes. (C.Coombes, April 1994)
- F10-020011 **Crankpin (forked type conrods)**
(M.Bull, April 1979)
- F10-020012 **Big end bearing. MX, MX2, MX4.**
Missing
(C.Coombes)
- F10-020013 **Conrod liners (big end bearings) for side-by-side & forked conrod.**
(M.Bull, February 1983)
- F10-020014 **Rear mainshaft. MX, MX2, MX4.**
(C.Coombes, 1964, redrawn July 1994)
- F10-020015 **Rear mainshaft, standard type**
1:1, with notes (J.Rowland, January 1988)
- F10-020016 **Rear mainshaft, standard type**
1:1. (M.Bull, April 1979)
- F10-020017 **Rear mainshaft. Large type to suit Torrington needle-roller conversion**
1:1, with notes (J.Rowland, January 1988)
- F10-020018 **Rear main bearings. MX, MX2, MX4.**
Includes notes. (C.Coombes, April 1995)
- F10-020019 **Flywheel assembly nuts**
1:1. (M.Bull, April 1979)
- F10-020020 **Outside flywheel nut. MX, MX2.**
With notes (Vislock Engineering Ltd., Dec. 1972)
(C.Coombes)
- F10-020022 **Camshaft, MX2**
1:1 with notes. (H.Collier & Sons Ltd. Jan. 1957)
- F10-020023 **V-twin camshafts, side valve & overhead valve types**
Showing differences in cam positions. Isometric sketch with notes (no dimensions)
- F10-020024 **Camshaft production jigs**
Details of jigs & tools for fabricating & setting camshafts.
- F10-020025 **Front camshaft bush, MX2 & MX4**
2:1. (R.Haynes, March 1975)
- F10-020026 **Rear camshaft bush, MX2 & MX4**
2:1. (R.Haynes, March 1975)
- F10-020027 **Camshaft bearings. MX, MX2, MX4.**
Includes notes. (C.Coombes, 1964, redrawn Feb. 1995)

F10-020028	Contact breaker cam spindle & pinion - MX, MX2, MX4 coil ignition engines. (C.Coombes, March 1994)
F10-020029	Contact breaker drive. With notes. (J.Ingleby, Sept. 1968)
F10-020030	Contact breaker cam - MX, MX2, MX4 coil ignition engines (C.Coombes, March 1994)
F10-020031	Distributor drive shaft bush - MX2 & MX4 2:1. (R.Haynes, March 1975)
F10-020032	Cam lever pivot pin - MX, MX2 & MX4. (J.Ingleby, Sept. 1983)
F10-020033	Cam followers. 1:1. (P.Kennedy, Dec. 1974)
F10-020034	Cam followers - MX, MX2 & MX4. Includes notes.
F10-020035	Cam lever roller. With notes.
F10-020036	Cam lever roller bush. With notes.
F10-020037	Cam lever roller pin. With notes.
F10-020038	Roller, pin and bush - MX2 & MX4. Includes notes. (C.Coombes, August 1992)
F10-020039	Cam lever roller / bush & pin set. 2:1. (No dimensions)
F10-020040	Oil pump shaft. 1:1, with notes. (M.A.Park, May 1974)
F10-020041	Oil pump - MX, MX2 & MX4. Includes notes. (C.Coombes, June 1996)
F10-020042	Oil pump end plates - MX, MX2 & MX4. Includes notes. (C.Coombes, June 1996)
F10-020043	Oil filter element 1:1, with notes. (J.Rowland, Feb 1983)
F10-020044	Crankcase breather - MX, MX2 & MX4. (C.Coombes, June 1994)
F10-020045	Crankcase stud - MX, MX2 & MX4. 2:1, with notes. (J.Rowland, July 1984)
F10-020046	Cylinder barrel flange nut - MX. 1:1, with notes (J.Ingleby)
F10-020047	Timing cover screws - MX, MX2 & MX4. (C.Coombes, May 1992)

Cylinders, pistons & valve gear.

F11-010001	Cylinder head gasket, copper/asbestos MX4. 1:1, with construction notes (John Rowland)
F11-010002	MX2 Cylinder head gasket, annealed copper. 1:1 silhouette (no dimensions)
F11-010003	Cylinder Head, MX4. 1:1, with notes (John Rowland, July 1986)
F11-010004	Cylinder head & rocker box bolts. MX2 & MX4. Includes notes. (C.Coombes, July 1994)
F11-010005	Cylinder head bolt MX2. 1:1, with notes. (M.Bull, Dec. 1978)
F11-010006	Piston, 1937/8 MX2, MX4. With full spec for machining. (D.G., July 1941)
F11-010007	Piston - MX, MX2, MX4 Original factory drawing. Matchless motorcycles (Colliers) Ltd., January 1934, over-stamped Feb. 1949.
F11-010008	Piston - MX, MX2, MX4 1:1. Simple outline drawing, little detail (J.Rowland, Feb. 1983)
F11-010009	Piston Rough pencil sketch with dimensions (J.Leavens)
F11-010010	Bush, gudgeon pin / conrod Drg 1:1
F11-010011	Bush, little end. MX2, MX4. 1:1 (simplified copy of above)
F11-010012	Pushrod end, bottom. Large scale (C.White, Sept. 1981)
F11-010013	Pushrod ends - MX2 & MX4. Includes notes (C.Coombes, June 1994)
F11-010014	Tappet rods - MX2, MX4. With notes. (J.Rowlands, March 1984)
F11-010015	Pushrod assembly, includes cover. Little detail (D.Creasey)
F11-010016	Tappet rod & adjuster - MX2 & MX4. (C.Coombes, May 1992)
F11-010017	Tappet adjuster & locknut - MX2 & MX4 4:1, including notes. (J.Rowland, March 1984)
F11-010018	Pushrod cover spring - MX2 & MX4. Spring specification, brief notes. No drawing.

F11-010019 **Pushrod tube sealing ring (bottom) MX2**
Drg 1:1

F11-010020 **Pushrod tube sealing washer (centre) MX2 & MX4.**
Drg 1:1

F11-010021 **Pushrod tube sealing washer (centre) MX2 & MX4.**
Alternative. Drg 1:1

F11-010022 **Pushrod tube sealing ring (top) MX2**
Drg 1:1

F11-010023 **Rocker Arm, MX2 & MX4.**
1:1, with notes. (Feb. 1980)

F11-010024 **Rocker arm ball end pin - MX2, MX4.**
1:1. (J.Rowland, August 1984)

F11-010025 **Rocker arm valve end pin - MX2, MX4.**
1:1. (J.Rowland, August 1984)

F11-010026 **Valve rocker spindle - MX2, MX4.**
Includes notes. (C.Coombes, Feb. 1995)

F11-010027 **Rocker arm boss - MX2, MX4.**
1:1. With notes (J.Rowland, August 1984)

F11-010028 **Rocker shaft internal spring - MX4**
Spring specification, brief notes, no drawing.

F11-010029 **Rocker arm bush - MX2, MX4.**
1:1. (J.Rowland, August 1984)

F11-010030 **Rocker arm bush (modified for larger diameter shaft) - MX2, MX4.**
1:1. (J.Rowland, August 1984)

F11-010031 **Rocker box rocker spindle seal**
1:1. (October 1982)

F11-010032 **Rocker arm washer**
Drg 1:1

F11-010033 **Valve, inlet & exhaust - MX**
1:1. With notes (J.Ingleby, March 1985)

F11-010034 **Valve, inlet - MX2, MX4**
1:1, 4:1 detail, with notes (R.Haynes, March 1975)

F11-010035 **Valve, inlet & exhaust (modified - oversize valve head) - MX2, MX4**
1:1, with notes. (R.Haynes, March 1975)

F11-010036 **Valve, exhaust - MX2, MX4**
1:1, 4:1 detail, with notes (R.Haynes, March 1975)

F11-010038 **Valve & guide - MX2, MX4.**
1:1, 4:1 detail, with notes (M.A.Park, June 1974)

F11-010039 **Valve guide - MX**
Includes notes. (C.Coombes, Sept. 1993)

F11-010040 **Valve guide, inlet - MX2, MX4**
2:1, with notes. (J.Rowland, November 1981)

F11-010041 **Valve guide, exhaust - MX2, MX4**
1:1, with notes. (R.Haynes, March 1975)

F11-010042 **Valve guide, exhaust - MX2, MX4**
1:1, with notes. (R.Haynes, March 1975)

F11-010043 **Hairpin valve spring bottom plate - MX2, MX4**
(C.Coombes, Dec. 1994)

F11-010044 **Hairpin valve spring top plate - MX2, MX4**
(C.Coombes, May. 1994)

F11-010045 **Valve springs - MX2, MX4**
1:1, with full specification. (J.Ingleby, Jan. 1982)

F11-010046 **Valve spring collar - MX2, MX4**
2:1, with notes.

F11-010047 **Valve spring collet - MX2, MX4**
4:1, with notes. (M.A.Park, June 1974)

F11-010048 **Valve spring collet - MX2, MX4**
2:1, with notes.

F11-010049 **Valve cap - MX2, MX4**
2:1. (M.A.Park, June 1974)

F11-010050 **Valve stem end cap - MX2, MX4**
2:1, with notes.

F11-010051 **Rocker oil feed pipe dome nut - MX4**
(T.Bunn)

F11-010052 **Cylinder block water outlet union - MX, MX2 & MX4**
Includes notes. (C.Coombes, July 1992)

F11-010053 **Water jacket union, MX4 barrel, MX barrel & head**
2:1. (M.Bull, May 1979)

F11-010054 **Water jacket union nut & nipple**
2:1. (M.Bull, May 1979)

F11-010055 **Exhaust flange gasket - MX, MX2, MX4**
1:1. (January 1978)

F11-010056 **Inlet branch pipe - MX2 & MX4**
Includes notes. (C.Coombes, 1963, redrawn August 1964)

SEE ALSO:

- F13-030005 for Pistons & Piston rings.
 F13-030006 for Inlet, exhaust and water pipe nuts.

Matchless Miscellaneous

- F11-020001 **Matchless side-valve engines**
 technical tips from a publication "Maintaining your Brough Superior" of possible use to Morgan owners
- F11-020002 **General data & miscellaneous information for MX, MX2 & MX4**
 2 page extract from Pitman's book of the Morgan plus 2 pages of handwritten notes by John Leavens
- F11-020003 **Those marvelous Matchless Mog Motors - by Clarrie Coombes**
 General description, specification, overhaul notes and drawings.
- F11-020004 **The Matchless Idiot's Guide - by "A Mystery Expert"**
 Numerous hints & tips particularly regarding alternative spares and interchangeability of parts between various Matchless engines. Note that many details of parts suppliers quoted here are now out of date.
- SEE ALSO:**
- F02-003302 for Morgan factory Matchless handbook.
 F03-003301 for Matchless MX specification.

ANZANI ENGINES

Anzani Publications

- F12-002201 **1922 Brochure**
 Specifications for 4 & 8 valve air cooled engines.
- F12-002301 **1923 Brochure** Specifications for standard ohv & 8-valve 8hp v-twin engines.
- F12-002401 **1924 Catalogue** Comprehensive description of Anzani range of engines (4 cyl & V-twins) plus photographs (poor quality) of Anzani factory.
- F12-002701 **1927 CCW to M3 valve conversion Information sheet** (See also EAM 2)
- F12-002801 **1928 Catalogue** Details of full range of motorcycle and cyclecar engines. Old photocopy - cover missing, quality of photographs poor.
- F12-002901 **1929 Instruction Book & Spare Parts List**

Anzani Drawings

- F12-010001 **1925 Anzani CCW engine** Scale general arrangement drawing.
- F12-020001 **Valve lifter stirrup - CCW engines** Full size drawing. (M.Webb, 1993)
- F12-020002 **Valve lifter mechanism - CCW engines** Approx full-size sketch. (J.Leavens)
- Missing
 F12-020003 **Valve lifter mechanism - M3 engines** Dimensioned sketch with notes. (J.Leavens)
- F12-020004 **Crankpin and connecting rod rings** Dimensioned drawing with notes. (C.Coombes June 1994)
- F12-020005 **1926 Crankpin for 1926 CCW Summit engine** Dimensioned drawing with notes. (J.Leavens, April 1984)
- F12-020006 **Cam profile & cam follower drawings for CCW & M3 engines** (see also Bulletin article Oct 1995)
- F12-020007 **Crankcase breather (non original)** Dimensioned sketch.
- F12-020008 **Anzani cylinder barrel - machine drawing** Half scale with dimensions.
- F12-020009 **Valve for CCW engines** Full scale dimensioned drawing.
- F12-020010 **CCW pushrod spring arrangement - 1925 to 1927 engines** Dimensioned sketch with notes
- F12-020011 **Piston for M3 engine** Full scale dimensioned drawing.
- Missing
 F12-020012 **c.1925 Exhaust-heated manifold** Dimensioned sketch with notes. (J.Leavens)
- F12-020013 **Water Heated Inlet Manifold - fully dimensioned drawing**
 (R. Haynes, February 2013)

Anzani Miscellaneous

- F12-020001 **CCW & M3 General Description & basic maintenance notes - valve timing etc.**
- F12-030002 **Cam timing data for four cylinder, twin & single cylinder Anzani engines** (J.Leavens)
- F12-030003 **Anzani radial Aero engines** Extracts from Janes Aircraft of 1919 & 1923, basic specifications and illustrations, plus article on the development of the Aero engine 1903 to 1919
- F12-030004 **Letter from British Anzani Co. Ltd** To Mr. Johnson, London EC3, dated 15/10/1930, ref; valve breakage in CCW engines and conversion to M3 spec, (see also EAP 27)
- F12-030005 **Anzani Valve Breakages** Report on problems with early cam profiles including data from various marks of Anzani twins. (J.Leavens)
- F12-030006 **Testing Anzani Cylinders** Report on NDT testing using x-ray and ultrasonic techniques on original & reproduction Anzani cylinder barrels. (J.Leavens, Nov. 1996)

- F12-030007 **Cam profile graph** with curves for two types of inlet & exhaust cams. (J.Leavens)
- F12-030008 **Cam profile graph** with curves for three types of inlet & exhaust cams. (P.Thompson)
- F12-030009 **Profile of Alexandre Anzani**
Reprint from "Classic Life" including photograph of Alexandre Anzani.
- F12-030010 **The British Anzani Story, 1912-1939**
by David Thirlby. Reprint from Veteran & Vintage magazine.
- F12-033501 **1935 Spare Parts List** Printed by F.H.Douglass.
- SEE ALSO:**
- F13-030005 For Pistons & Piston rings.

BLACKBURNE ENGINES

Blackburne Publications

- F12-040001 **Catalogue (date unknown - early '20s?)** Details of singles and side-valve twins.
- F12-040002 **Catalogue (date unknown - early '20s?)** Details of side-valve twins & 5/6 hp air-cooled OHV sports engine.
- F12-040003 **Handbook No 1, (date unknown - early '20s?)** For single and twin engines.
- F12-040004 **1921 to 1928 Parts List chart** For singles and twins (inc. prices)
- F12-040005 **1924 Handbook and parts list chart for single & twin engines**
- F12-040006 **1924 to 1926 Handbook plus illustrated parts list** 10hp twin engines
- F12-040007 **1929 Handbook and illustrated parts list** 500cc and 600cc side-valve singles. (p - 3 pages very poor)

Blackburne Drawings

- F12-050001 **Front mainshaft nut, 9/16" x 20tpi** Full size dimensioned drawing
- F12-050002 **Rear mainshaft nut, 7/8" x 18tpi** Full size dimensioned drawing
- F12-050003 **Rear mainshaft nut, 3/4" x 18tpi** Full size dimensioned drawing
- F12-050004 **Valve spring plate for o.h.v. engines** Dimensioned drawing
- F12-050005 **Piston type KMC, 3 3/16" dia** Dimensioned drawing with notes and details of oversizes.

The following, although not relating to any Blackburne engines fitted to Morgans, were donated to the Club by GKN Pistons Ltd. These are original piston drawings produced by B.H.B. Self-Adjusting Piston, Automotive Engineering Co. Ltd.

- 1927 Piston 70mm dia** Original drawing No. E503 dated August 1927, Part No.503/a. Cast No.Ex3329
- 1931 Piston 52mm dia** Original Drawing No. E5046 dated August 1931, Part No. not stated, Cast No. not stated
- 1931 Piston 57mm dia** Original Drawing No. E5060 dated September 1931, Part No. not stated. Cast No.5048
- 1931 Piston 57mm dia** Original Drawing No. E5092/3 dated December 1931, Part No. not stated, Cast No.1211
- 1932 Piston 57mm dia** Original Drawing No. E5094 dated January 1932, Part No. not stated, Cast No.1211
- 1932 Piston 57mm dia** Original Drawing No. E5145 dated April 1932, Part No. not stated, Cast No.1211
- 1932 Piston 57mm dia** Original Drawing No. E5152 dated April 1932, Part No. not stated, Cast No.1211
- 1932 Piston 60mm dia** Original Drawing No. E5207 dated July 1932, Part No. not stated, Cast No.E5398
- 1933 Piston 57mm dia** Original Drawing No. E5320 dated March 1933, Part No.1211/1/X, Cast No.1211
- 1933 Piston 57mm dia** Original Drawing No. E1537 dated July 1933, Part No.5127, Cast No. not stated
- 1933 Piston 60mm dia** Original Drawing No. E5398 dated August 1933, Part No.378/1/X, Cast No.E5398
- 1934 Piston 60mm dia** Original Drawing No. E5464 dated March 1934, Part No.378/1/X, Cast No.E5398
- 1935 Piston 57mm dia** Original Drawing No. E1211 dated January 1935, Part No.1211/1/x, Cast No.1211

Blackburne Miscellaneous

- F12-060001 **General data and miscellaneous information** 2 page extract from Pitman's book of the Morgan
- F12-060002 **1926 to 1931 Timing charts for range of engines**
- F12-060003 **Timing figures for OHV engines plus instructions for setting valves with racing cam.**

SEE ALSO:

- F13-030005 for Pistons & Piston rings.

F13-030006 for Inlet, exhaust and water pipe nuts.

FORD ENGINES

Ford Miscellaneous

- F13-010001 **1947** **Ford ANGLIA AND Prefect "Trader" Servicing Data**
Supplement to "The Motor Trader", May 1947. Includes general data & illustrations of engines as fitted to Morgans
- F13-010002 **Ford E93A, Specification, Repair Data and Wear Limits for 8 & 10 hp engines**
- F13-010003 **Model "Y" 8 hp. Engine basic specification (illustrated)**
- F13-010004 **Model "Y" 8 hp. Instructions to dismantle engine (illustrated)**
Also includes special tool list.
- F13-010005 **Workshop Manual. Anglia & Prefect (1939-1953), Popular (1953-1959)**
Chapters applicable to F-type Morgans.
- F13-010006 **Ford Motor Co. Ltd., Servicing and repair data**
Data applicable to F-type Morgan engines and ancillaries.
- F13-010007 **Replacing Cylinder Liners & Valve Seat Inserts in 8 & 10 hp engines**
Instructions, data and drawings.
- F13-010008 **1933** **Model "Y" Illustrated Parts List**
Engine and Fuel System data.
- F13-010009 **1934** **Model "Y" Illustrated Parts List**
Data applicable to F-type Morgan engines and ancillaries.
- F13-010010 **E93a Illustrated Parts List, 1932-1959**
For 933cc and 1,172cc engines and ancillaries.
- Bookshelf **1937** **Ford Motor Co. Ltd., Repair charges "Popular" & "Deluxe" models**
- F13-010011 **1938** **Ford Motor Co., Repair charges, Jan. 1938.**
Extract from booklet detailing charges applied for various engine repair & servicing tasks.
- Bookshelf **The Ford 10 Tuning Manual, by D.H.Harris**
Comprehensive manual for the complete overhaul & tuning to various stages.
- Bookshelf **Tuning Side-Valve Fords, by Bill Cooper**
Comprehensive tuning manual covering several stages of performance modifications through to full racing specification. Many illustrations and photographs.
- F13-010012 **Tuning and Accessories for 8 hp & 10 hp engines**
Extract from Ford Popular handbook with details of "Aquaplane" accessories & twin carb arrangements.
- F13-010013 **Performance Improvements for E93A and 100E engines**
Notes on various modifications (J.Leavens)
- F13-010014 **E93A Engine Tuning**
Notes on various modifications (J.Leavens)
- F13-010015 **Building a Ford 100E - ELVA**
Notes on incorporating a popular i.o.e. performance modification of the 1950's. (J.Leavens)
- F13-010016 **The ELVA i.o.e. Cylinder Head Conversion.**
Publicity Information by the Elva Engineering Co., with general information & brief performance data for the modification.
- F13-010017 **Cylinder head studs for ELVA i.o.e. Conversion**
Correspondence, dimensioned drawings and specifications for studs (J.Leavens, May 1992)
- F13-010018 **Morgan F-Super performance data**
Very comprehensive handwritten notes comparing the performance of the stock F-Super with the tuned side-valve and ELVA i.o.e. conversion. Includes power & performance graphs & extensive data on ignition timing & modified cams.

- F13-010019 **Data for degreasing cam (believed to be for Ford ELVA i.o.e.conversion)**
Includes cam fitting instructions. (Babe Erson Cams, California - for J.Leavens)
- F13-010020 **Block for ELVA conversion**
Notes and sketches for block modifications (J.Leavens)
- F13-010021 **ELVA Manifold for 1 1/2" S.U. Carbs**
Full size dimensioned sketches (J.Leavens)
- F13-010022 **Starter adaptor plate for Ford 10 hp engines**
Dimensioned drawing with notes. (C.Coombes, 1973)
- SEE ALSO:**
- F02-003901 for Morgan factory Model "F" Handbook.

MAG ENGINES

MAG Miscellaneous

- F13-020001 **Spare parts list**
- F13-020002 **1923 Factory spare parts list**
"+ COPY including illustrations of the various models.
- F13-020003 **Factory catalogue (early 20s)**
including illustrations of the various models & dimensioned general arrangement drawings.
- F13-020004 **Instruction sheet for "MAG" engines**
Basic maintenance and adjustments
- F13-020005 **General arrangement drawing for water-cooled i.o.e. twin**
Small basic sketch.
- F13-020006 **Overhauling a M.A.G. Engine - Comprehensive step-by-step Instructions**
Copy of 1922 "Motor Cycling" article.
- SEE ALSO:**
- F13-030005 for Pistons & Piston rings.

ENGINES, General (non specific to type)

Engines, Miscellaneous

- F13-030001 **Morgan three-wheeler engines**
Summary of various types of engines fitted to Morgan three-wheelers. Includes details of cylinder dimensions, capacities and power ratings. (J.Leavens)
- F13-030002 **Fitting and aligning the engine**
Method of checking & adjusting V-twin engine alignment in the Morgan chassis (J.Leavens)
- F13-030003 **Moto Guzzi adaptor for Morgans**
Dimensioned sketch & notes of adaptor for fitting a Guzzi engine into a Morgan chassis (W.Binney, Mar.1977)
- F13-030004 **Engine Hints for Motor Cyclists**
Booklet by Wellworthy Piston Rings Ltd., explaining cylinder efficiency & problems with pistons & piston rings.
- F13-030005 **1936 Pistons & piston rings for Morgan engines**
Excerpt from 1936 "Covmo" trade catalogue giving data on pistons, piston rings & gudgeon pins for all engines fitted by Morgan
- F13-030006 **Inlet, exhaust and water pipe nuts for JAP, Matchless & Blackburne engines**
Drawings and dimensions (C.Coombes, 1993)
- F13-030007 **"Beart" timing disc**
Reproduction of 10" diameter engine timing disc produced in the 1920s by Harold Beart, Morgan racer and specialist. Includes instructions for use.

Engine control mechanisms

- F13-040001 **c.1912 Bowden double levers and magneto control**
Page from unknown catalogue
- F13-040002 **Bowden Wire Ltd catalogue (No 44)**
Extensive illustrated catalogue with details of all engine, brake & clutch bowden cable controls and fittings. Undated but believed to be early 1920s. Extracts featuring specific items can be supplied.
- F13-040003 **How to fit a Bowden Wire mechanism**
Extract from Bowden catalogue detailing wire preparation & nipple soldering.
- F13-040004 **Steering Wheel controls**
Handwritten notes & sketch describing the Morgan hand lever controls (primarily 3-speeder) (J.Leavens)

F13-040005	c.1913	Valve lifter lever Cast lever and bracket. 1:1 (M.Webb, May 1995)
F13-040006		Valve lifter lever - late 1930s Super Sports 1:1 drawing of original dash-mounted lever & bowden cable assy. (J.Leavens, May 1984)
F13-040007	1925	"Kushi" Starter designed by E.D.Moore Description & illustration of kick-starter accessory for 2-speeder Morgans. (J.Leavens)

FUEL, OIL, COOLING & EXHAUST SYSTEMS

Fuel - tanks & supply

F14-010001	1910	Fuel tank for 1910 8hp Tiller-steered Runabout 1:2, includes detail of car badge attached to tank. (M.Webb, June 1994)
F14-010002		Filler base for fuel tanks, 2 & 3 speeders Original drawing. (Rotherham & Sons, Coventry, Oct 1964)
F14-010003		Filler Cap for fuel tanks, 2 & 3 speeders Original drawing. (Rotherham & Sons, Coventry)
F14-010004		Filler neck & cap for petrol & oil tanks for Super Sports Morgans (C.Coombes, 1985, redrawn May 1995)
F14-010015		F Type Petrol Tank. 6 Gallon. Rough sketch showing overall dimensions and method of construction (C.Harris 18/4/03)

Fuel induction – Carburettors

Brown & Barlow carburettors

F14-020001	1910	Brown & Barlow and AMAC carburettors Page from Brown Brothers illustrated catalogue.
F14-020002	1913	Brown & Barlow carburettors, 1913 models. Illustrated extract from B&B catalogue, includes single jet, straight-through with vapourising jet and universal with variable jet types.
F14-020003		Brown & Barlow carburettors, 1914 models. Page from 1913 Motor Kerry Accessories illustrated catalogue.
F14-020004	1918	Brown & Barlow BSV carburetter for V-twin engines Illustrated extract from B&B catalogue.
F14-020005	1923	Brown & Barlow Carburettors, 1923 Description of various models plus exploded diagrams & parts list, inc details of handlebar controls.
F14-020006		Brown & Barlow Carburettors, 1924 to 1928 Description of various models plus exploded diagrams & parts list, inc details of handlebar controls.
F14-020007	c.1927	Brown & Barlow motor cycle carburettors, list no.27 Illustrated B&B catalogue, includes full range of carbs & handlebar controls, plus illustrated parts list.

AMAC, AMAL & Binks carburettors

F14-030001		AMAC Carburettors, 1923 and 1924 Description of various models plus exploded diagrams & parts list, inc details of handlebar controls.
F14-030002		AMAC Carburettors, 1925 to 1927 Description of various models plus exploded diagrams & parts list, inc details of handlebar controls.
F14-030003		AMAC TT Carburettors, 1924 to 1927 Description of various models plus exploded diagrams & parts list.
F14-030004	1928	AMAC Catalogue and hints & tips Features the type "M" series of carbs and includes exploded illustrations and parts lists, also useful tables of cylinder capacities of standard bore/stroke sizes & engine revs @ different speeds with various gear ratios.
F14-030005	1928	AMAC Carburettors. Description of various models plus exploded diagrams & parts list.
F14-050001	1928	Carburetter flanges types BS1 to BS5 AMAL factory drawing dated March 1928. (See also JFC... and MMC 28a)
F14-050002		AMAL & Binks Carburettors 1929 & 1930 Description of various models plus exploded diagrams and parts lists, various AMAL float chamber needles and floats for B&B, AMAC, AMAL & Binks carburettors. (1923 to 1930)
F14-050003	1930	AMAL hints & tips booklet (list no. 251) Features AMAL types 4, 5, 6 and twin-float track racing carbs, plus Binks type 47, 48 & 49. Includes exploded illustrations & parts lists, plus handlebar controls, also useful tables of cylinder capacities of standard bore/stroke sizes and engine revs at different speeds with various gear ratios.
F14-050004		AMAL hints & tips leaflet (list no. 294) 1929 to 1932 carbs (Needle-jet, acceleration pump and track racing carburettors). General details and tuning information plus cut-away illustration.
F14-050005		AMAL hints & tips leaflet (list no. 294A) 1929 to 1934 carbs (Needle-jet and acceleration pump types). General details and tuning information plus cut-away illustration.
F14-050006		AMAL hints & tips leaflet (list no. 294S) (Single and double lever needle jet types) General details and tuning information plus cut-away illustration.

F14-050007		AMAL hints & tips leaflet (list no. 102/3 superceding list no. 502) "Monobloc" types 375, 376 & 389 (needle jet carburettors with pilot jets) General details and tuning information plus cut-away illustration.
F14-050008		AMAL Spare parts list (no. 351) 1929 to 1934 Features AMAL types 4, 5, 6, TT.32 & TT.34 lightweight types 52, 53, 93, 103, 104, 115 & 125. Binks types 47, 48, 49, plus handlebar controls.
F14-050009		AMAL Standard needle type carburettors Exploded spare parts drawing
F14-050010		AMAL carburettor needles as used on Morgans & motor cycles Dimensioned drawing with notes (C.Coombes, Jan 1995)
F14-050011	1961	AMAL Spare parts list (no. 105/2) for type 27 alcohol fuel racing carb for type 27 alcohol fuel racing carb. Sept 1961, includes exploded drawings.
F14-050012	1961	AMAL Spare parts list (no. 631/2) Racing carbs types 15GP, 10GP, 5GP, 3GP. for racing carbs types T15GP, T10GP, T5GP & T3GP, Oct 1961, includes exploded drawings.
F14-050013	1963	AMAL instruction leaflet (no. 631/3) types 15GP, 10GP, 5GP & 3GP for Carb types 15GP, 10GP, 5GP & 3GP (Series 316) - July 1963. Includes general & cut-away illustrations plus details of tuning and use with alcohol fuels.
F14-050014	1964	AMAL Spare parts list (no. 607/2) Racing types 15TT9 & 10TT9 for racing carbs types 15TT9 & 10TT9 - July 1964, includes exploded drawings.

Solex Carburettors

F14-060001	1924	Letter from Solex (S.Wolf & Co.Ltd.) December 1924 - reference carburettor settings for 7.5 hp Citroen!
F14-060002		Solex Instruction Booklet for self-starting types BF & HBF Illustrated.
F14-060003		Solex descriptive leaflet for types 26AIC & FAI, bi-starter (downdraught) Includes cut-away drawing
F14-060004		Solex descriptive leaflet for types FV & FH Includes cut-away drawings.

Zenith Carburettors

F14-070001		The working & adjustment of Zenith carburettors types 26VF & 30VM Illustrated booklet, ref V.13.
F14-070002		Zenith service bulletin (sheet ref SB.203) series 26V 7 30V carburettors Includes general & cut-away drawings.
F14-070003		Zenith spare parts schedule (sheet ref SL.242) type VF-3 carburettor For Ford 8hp & 10hp, includes exploded drawings.
F14-070004		Zenith Service Bulletin - type 26 VF-3 carburettor Exploded drawing and parts schedule (similar to above), with Ford 10hp application list. Included technical notes.
F14-070005		Zenith Service Bulletin (sheet ref. SM.032) Reprinted Feb.1949, 30VM:c/s844 carburettor for 1939 to 1949 Austin Truck. Includes general & exploded drawings, spares schedule and technical notes.
F14-070006		Zenith Carburettor Data. Extract from data list detailing specifications of carburettors fitted to various Ford engines.

Oil - tanks & supply

F14-080001	1910	Hand oil pump (as fitted to Morgan tiller-steered Runabout) Rotherham & Son, Coventry, page from unknown catalogue.
F14-080002		"Pilgrim" type "F" oil pump Fitting and maintenance instructions plus parts list with exploded diagram.

SEE ALSO:

for Oil tank filler neck & cap.

Water

F14-090001		Radiator, Grand Prix, pre c.1920 Early plain tube type (less fins). 1:2. (M.Webb, Jan 1998)
Missing		
F14-090002	c.1923	Radiator, Grand Prix / early Aero type (Anzani) Flat based with inlet/outlet tubes set for Anzani CCW engine. 1:2. (M.Webb, March 1988)
F14-090003		Radiator - Morgan Sporting type Date/model unknown. 1:4. (J.Coombes, November 1983)
F14-090004		Building a radiator for the Twin. Photos for Bulletin article

Exhaust

F14-100001	1923	Exhaust system (chassis tube arrangement) 1923 Aero. General arrangement plus two elevation drawings, canister, flexible tube & manifold nuts. 1:2. (M.Webb, Oct 1987)
F14-100002		Exhaust "coffee pot" silencer Simple dimensioned outline drawing with materials cutting list.
F14-100003		Silencer, 2-speeder 1926 to 1928. Simple dimensioned outline drawing, includes details of different tail pipes.
F14-100004		Silencer, Super Sports, Burgess pattern. Dimensioned drawing with notes. (J.Ingleby, March 1982)

F14-100005	1950	Silencer F4 - dimensioned construction drawing (from Factory original) Two versions of same drawing, each with different notes.
F14-100006		Silencer, F4 type Simple dimensioned outline drawing, includes notes (some difference from above) (J.Ingleby Sept 1977)
F14-100007		Silencer, F Super type Simple dimensioned outline drawing (J.Ingleby Sept 1977)
F14-100008		Tail pipe, F-Super type Simple dimensioned outline drawing (J.Ingleby December 1978)

CHASSIS

This section lists drawings and other details relating to the Morgan chassis, including suspension, steering, brakes & wheels. Each aspect of the chassis is dealt with in a separate sub section. These sub sections are further sub divided by type as follows:

Code	Chassis type
A	Earliest 2-speeder, pre 1920
BN	Narrow B 2-speeder, 1920 - 1926
BW	Wide B 2-speeder, 1926 - 1929
MC	M and C 2-speeders, 1929 - 1932
3T	Three-speed twin, 1932 - 1946
3	Three-speeders general (inc.Fs)
F	F-types chassis general
F2	F2 chassis
F4	F4 chassis
FS	F Super chassis

Chassis, General

	Chassis frame of 1910 tiller-steered car including engine 1/2 scale plan view of complete running chassis
F15-010001	Chassis frame of 1910 tiller-steered car Small scale A3 copy of above.
F15-010002	1931 Castrol Chassis Lubrication chart - wide B chassis Includes details of the lubrication system of a 50deg LTOW JAP. Library example is photocopy of original.
F15-010003	1933 Castrol Chassis Lubrication chart - 3-speeder twin chassis Includes details of the lubrication system of a s.v. a/c engine. Library example is good reproduction of the original.
F15-010004	1936 Castrol Chassis Lubrication chart - 3-speeder twin + info on F-types Includes details of the lubrication system of a s.c. a/c engine. Library example is a poor photocopy of the original.
F15-010005	1938 Castrol Chassis Lubrication chart - 3-speeder twin + info on F-types Includes details of the lubrication system of a s.c. a/c engine. Library example is a poor photocopy of the original.
F15-010006	1938 Lubrication Table Lists details of correct lubricants from various manufacturers of the period. Includes two and four-cylinder engines and general chassis lubrication.
F15-010007	Chassis Lubrication chart for three speeder twin
F15-010008	Three-speeder twin chassis. Cut-away illustration of running chassis
F15-010009	Table of threads used on Morgans - General
F15-010010	Pollard ball, roller & thrust bearings. Interchangeability tables.
F15-010011	Table of ball & roller bearings used on Morgans
F15-010012	F Type chassis. Cut-away illustration of running chassis

Chassis frame

F15-020001	1910 Chassis frame of 1910 tiller-steered car 1/8 scale, three view dimensioned drawing. (M.Webb, 1995)
F15-020002	1910 Chassis frame of 1910 tiller-steered car Isometric drawing of CFA/01 (M.Webb, 1995)
	1916 Chassis frame of 1916 Grand Prix 1/8 scale, three view dimensioned drawing. (M.Webb, 1996)
	Chassis frame of 1923 - 1926 car 1/4 scale, three view dimensioned drawing.
F15-020003	Chassis frame of 1923 - 1926 car Small scale A4 copy of above.
F15-020004	A typical cyclecar chassis - B type. Pictorial view
F15-020005	Chassis frame of C-type 1/10 scale, three view dimensioned drawing.
	Chassis frame of c.1934 Super Sports 1/8 scale, three view dimensioned drawing. (C.Coombes, June 1975)
F15-030005	Chassis frame of c.1934 Super Sports As above but copied on to A4 sheets.

F15-030006	Chassis frame of three-speed twins 1/4 scale (approx), three view dimensioned drawings, including details of variable dimensions found on original chassis. (C.Coombes, Jan 1995)
F15-030007	Chassis frame of Super Sports 1/4 scale (approx), three view dimensioned drawings. (C.Coombes, Sept. 1964)
F15-030008	Chassis frame of three-speed twin (c.1934/1936) c.Dimensioned drawing. (R.Angell, Feb.1992)
F15-030009	Chassis frame of Super Sports Basic dimensioned drawing, including notes on UK & USA tubing specification.
Missing	
F15-030010	Chassis frame, D-type Super Sports MX2 Set of 13 dimensioned drawings, 1/8 scale, with notes, including details of tube bending and machining of lugs.(Component drawings available separately - ref CLT section) (Ralph Purdue & Associates)
	Chassis frame, D-type Super Sports MX2 Dimensioned drawings, 1/8 scale, with notes (Ralph Purdue & Associates)
	Chassis frame of F4 1/4 scale, three view dimensioned drawing (no cross head assy). (H.W.L. Sept. 1970)
F15-040001	Chassis frame of F4 Small-scale copy of above.
	Chassis frame of F4 1/4 scale drawing similar to, but less detailed than FF4/01, does however include cross-head assy.
F15-040002	F-type chassis - sketch of strengthening modifications Sketch of minor modifications carried out to strengthen frame.
F15-040003	Chassis frame of F4 1/4 scale drawing similar to, but less detailed than F15-040001, does however include cross-head assy.

Chassis lugs, tubes & fittings

F15-050001	Torque tube front (star) lug for three speed twins. Full size 2 view dimensioned drawing Full size, two view dimensioned drawing (C.Coombes)
F15-050002	Crosshead to star lug tubes - upper & lower. - 1/4 scale dimensioned drawing Ralph Purdue & Associates
F15-050003	Crosshead suspension tubes - upper & lower - 1/4 size dimensioned drawing Ralph Purdue & Associates
F15-050004	Pedal shaft pivot lug - full size dimensioned drawing Ralph Purdue & Associates
F15-050005	Lower crosshead tube lug - full size dimensioned drawing Ralph Purdue & Associates
F15-050006	Lower suspension tube lug - full size dimensioned drawing Ralph Purdue & Associates
F15-050007	Upper suspension tube lug - full size dimensioned drawing Ralph Purdue & Associates
F15-050008	Upper suspension tube lug - full size dimensioned drawing Dimensioned drawing, full size.
F15-050009	Engine location plates - 1/2 scale dimensioned drawing Ralph Purdue & Associates
F15-050010	Engine bolt bushes - full size dimensioned drawing Ralph Purdue & Associates
F15-050011	Wing stay & cross tube lug - full size dimensioned drawing Ralph Purdue & Associates
F15-050012	1927/28 Bottom front axle end lug - dimensioned drawing Peter Thompson Jan 2012
F15-050013	1927/28 Upper front axle end lug - dimensioned drawing Peter Thompson Jan 2012
F15-050014	Lower suspension pillar lug - full size dimensioned drawing Ralph Purdue & Associates
F15-050015	Upper suspension pillar lug - full size dimensioned drawing Ralph Purdue & Associates
F15-050016	Crosshead lug (top) for all 3-speeders up to 1948. Full size 3 view dimensioned drawing C.Coombes
F15-050017	Crosshead lug (top) for all late F-types. Full size 3 view dimensioned drawing C.Coombes
F15-050018	Crosshead lug (lower) - original factory drawing. Full size dimensioned drawing Morgan Motor Co. Ltd., June 1933
F15-050019	Crosshead lug (lower) for all 3-speeders up to 1948. Full size 3 view dimensioned drawing C.Coombes Dec.1979
F15-050020	Centre tube flange (torque tube to gearbox casing). Original factory dimensioned drawing Morgan Motor Company
F15-050021	Centre tube flange (torque tube to gearbox casing). Dimensioned drawing C.Coombes
F15-050022	Fly wire end tensioners (inc illustration showing fitment). Full size dimensioned drawing C.Coombes Aug.1964
F15-050023	Fly wire end tensioners - full size dimensioned drawing N.E.D.
F15-050024	F-type chassis cross-member ("top hat" section steel channel) - dimensioned drawing J. Leavens

Front Suspension

F16-010001	1910	Front suspension - tiller steered car including tiller-steering mechanism 1/4 scale, three view drawing (M.Webb Jan 1991)
F16-010002	1910	Slider & spring arrangement on tiller-steered car Full scale two view drawing (M.Webb Jan 1991)
F16-010003	1916	Slider and spring arrangement - Grand Prix Full scale two view drawing (M.Webb Apr 1996)
F16-010004		Slider 1923 - 1938. All Morgans with front wheel brakes Full scale dimensioned drawing (C.Coombes Oct 1964)
F16-010005		Slider - F-types Full size dimensioned drawing (C.Coombes Oct 1964 amended J.Rowland Aug 1986)
F16-010006		Slider brake stop detail 1923 to 1938 plus F-types Full size dimensioned drawing
F16-010007		Front springs, Super Sports. Sample specifications. Notes with miscellaneous dimensions of main & rebound springs.
F16-010008	1916	Front main spring covers - c.1916 Grand Prix (M.Webb March 1996)
F16-010009		Front main spring & covers, most cars to 1948 Dimensioned drawing (C.Coombes April 1995)
F16-010010		Front main spring - late F-types Dimensioned drawing (C.Coombes June 1995)
F16-010011		Front springs - F-types. Brief notes with dimensions of main & rebound springs. (N.Lear)
F16-010012		Spring cover - top. Including beading (50) around rim. Full size dimensioned drawing (P.Kennedy May 1974)
F16-010013		Spring cover - top. Including beading around rim. Small scale copy of A2 drawing
F16-010014		Spring cover - top with plain rim Full size dimensioned drawing (P.Kennedy March 1975)
F16-010015		Spring cover - top with plain rim Small scale copy of A2 drawing
F16-010016		Spring cover - bottom (50a) Full size dimensioned drawing (P.Kennedy May 1974)
F16-010017		Spring cover - bottom (50a) Small scale copy of A2 drawing
F16-010018		Spring cover - bottom (R424) Full size dimensioned drawing (P.Kennedy March 1975)
F16-010019		Spring cover - bottom (R424) Small scale copy of A2 drawing
F16-010020	c.1916	Front suspension clamp rod & wing stay - Grand Prix Dimensioned sketch (M.Webb March 1996)
F16-010021	1922	Front suspension pin and mudguard stay - 1922 Standard Full size dimensioned sketch inc details of rear support for mudguard stay.
F16-010022		Front suspension pin and mudguard stay - late 2-speeders on - various types 1/2 scale dimensioned drawings (N.Bloomfield Jan 1985)
F16-010023		Front suspension pin and mudguard stay - 3-speeders, inc details of shock absorber anchorage. Dimensioned drawings covering various types (C.Coombes 1981, redrawn March 1995)
F16-010024		F-Super front suspension shock absorber No drg - dimensions of slider/spring assembly and notes on suspension travel for shock absorber design. (J.Leavens)
F16-010025		Camber, castor & toe-in for three speeder twins Drawings & data (also includes CFS (K50) front slider (J.Leavens))

Steering

F16-020001	1910	Tiller mechanism, 1910 tiller-steered car Full scale three view drawing (M.Webb 1993)
F16-020002	1910	Tiller mechanism, 1910 tiller-steered car Reduced copy of F16-020001 - three view drawing (M.Webb 1993)
F16-020002		Steering column arrangement, early '20s Grand Prix 1/8 scale (approx) (M.Webb 1993)
F16-020003	1923	Steering column arrangement - Aero. Including column & steering wheel fitting details 1/8 scale (approx) (M.Webb 1993)
F16-020004		Steering column arrangement 1924/25 Aero 1/8 scale (approx) (M.Webb 1993)
F16-020005	early '20s	Steering wheel rim showing pattern of carved finger grips & rim fitting to spokes Full size drawing (J.Leavens July 1986)
F16-020006		Steering wheel nut Dimensioned drawing 4 x full size (J.Rowland Oct 1982)
F16-020007		Steering wheel hub and centre bolt Dimensioned drawing (C.Coombes July 1994)
F16-020008		Steering column top taper - replacement for original Dimensioned drawing with notes (C.Coombes June 1994)
F16-020009		Steering Column - De Luxe Dimensioned drawing, 1/4 scale with full size detail (R.G.S. Jan 1974)
F16-020010 (K52)		Steering reduction box - 1927 on Partly exploded view

F16-020011		Steering column, geared, upper column Original Factory sectioned drawing, no dimensions (Morgan Motor Co Ltd)
F16-020012		Steering column gearbox casing Original Factory dimensioned drawing (Morgan Motor Co Ltd Sept 1933)
F16-020013		Steering column gearbox casing Dimensioned drawing with notes (C.Coombes March 1996)
F16-020014		Steering column, geared, lower column Original Factory sectioned drawing, no dimensions (Morgan Motor Co Ltd)
F16-020015		Steering reduction box body attachment plate 1935 Super Sports Full size dimensioned drawing (D.Farrow Dec 1991)
F16-020016		Steering column support. 2-speeder 59/67 degree (Family/Aero) casting + bulkhead flange (J.Leavens November 1986)
F16-020017		Steering column support. F4, 50deg casting with flange to screw to bulkhead (J.Leavens November 1986)
F16-020018		Steering column clamp, F-types. Full size dimensioned drawing (C.Coombes)
F16-020019		Steering column end, 2-speeders (un-geared steering) Dimensioned drawing (J.Leavens)
F16-020020		Steering column spline blank for F & R models (Pt.No.F7/34) Original Factory dimensioned drawing (Morgan Motor Co Ltd Sept 1933)
F16-020021		Steering column splined bottom end. All Morgans from c.1932 Dimensioned drawing with notes (C.Coombes May 1994)
F16-020022	1914	Steering drop arm - 1914 Runabout Full scale two view dimensioned drawing
F16-020023		Steering drop arm, replacement for 3-speed cars from c.1933 Dimensioned drawing with notes (C.Coombes Dec 1994)
F16-020024		Drag link, 3-speed cars, including exploded drawing of drag link & components Dimensioned drawing with notes (C.Coombes May 1994)
F16-020025		Drag link end 1929 on Full size (approx) drawing with dimensions (C.Coombes)
F16-020026		Steering universal joint - set of dimensioned drawings of component parts Individual drawings available , various scales (R.Haynes Sept 1975)
F16-020027		Steering universal joint coil spring Dimensioned drawing, 4 x full size (R.Haynes Sept 1975)
F16-020028		Steering universal joint sprung cup Dimensioned drawing, 4 x full size (R.Haynes Sept 1975)
F16-020029		Steering universal joint adjustable cup Dimensioned drawing, 4 x full size (R.Haynes Sept 1975)
F16-020030		Steering universal joint body Dimensioned drawing, 2 x full size with detail full size (R.Haynes Sept 1975)
F16-020031		Steering joint ball end pin - part of universal joint F16-020026 Dimensioned drawing, 2 x full size with notes (R.Haynes Sept 1975)
F16-020032		Steering track rod, 1935 Super Sports 1/4 scale dimensioned drawing (from original part) (D.Farrow Jan 1991)
F16-020033		Conical track rod end, early 3-speeders Full size dimensioned drawing (C.Coombes June 1992)
F16-020034		Track rod pin & cone, all Morgans 1938 on Full size dimensioned drawing with notes (C.Coombes June 1994)
F16-020035		Track rod ends, early F-types (pre 1939) Dimensioned full-size drawings, including notes (C.Coombes Jan 1996)
F16-020036		Track rod & drag link bolts, 2-speeders pre 1927 t/r bolts, pre 1931 d/l bolts Dimensioned full-size drawings (C.Coombes March 1974)
F16-020037		Track rod end pin spring Dimensioned sketch + misc notes giving additional measurements & specs.
F16-020038		Track rod end pin spring Sketch plus measurements and specifications
F16-020039	1910	Steering arm (N/S), 1910 tiller steered car Full scale three-view drawing (M.Webb 1993)
F16-020040	1910	Steering arm (O/S), 1910 tiller steered car Full scale three-view drawing (M.Webb 1993)
F16-020041	1912	Steering arm (O/S), 1912 Runabout Full scale two view dimensioned drawing

Rear Suspension

F17-010001	1910	Rear suspension, 1910 Runabout. G/A drgs including lugs & other detailed components 1/2 scale (M.Webb Feb 1991)
F17-010002	1920-26	Rear forks for Narrow B bevel box, including details of band brake arm pivot clamps 1/2 scale dimensioned drawings (C.Coombes July 1994)
F17-010003		
F17-010004	1920-29	Fork pivot pin, tapered fitting for all B-type bevel boxes Dimensioned full-size drawing measured from original (M.Webb March 1996)
F17-010005	1920-29	Fork pivot pin, tapered fitting for all B-type bevel boxes Dimensioned full-size drawing, including notes (C.Coombes April 1994)
F17-010006		Rear fork strengthening frame. Modification for 3-speed twins with Morgan brakes (October 1993)
F17-010007		Rear fork strengthening frame. Modification for F-types with Girling brakes (October 1993)

F17-010008		Rear fork tie-bolt. Three speeders Dimensioned full-size drawing, including notes (C.Coombes March 1995)
F17-010009	1914	Rear spring hanger Dimensioned sketch
F17-010010		Rear springs - narrow B Dimensioned drawing - not to scale (B.Weeks)
F17-010011	1922/23	Rear Springs - Family. Full size drawings of individual spring leaves. Full-size (B.Galbraith 1996)
F17-010012	1923	Rear Springs - Family. Full size drawings of individual spring leaves. (R.Edmonds 1996)
F17-010013		Rear Springs - narrow "B" Family
F17-010014		Rear springs - wide B Dimensioned drawing ((J.Ingleby)
F17-010015		Rear springs - 3-speed Family Dimensioned drawing, not to scale
F17-010016	1927-29	Spring mounting details - Super sports Aero Dimensioned sketch, not to scale
F17-010017		Rear springs - three speed twin Dimensioned drawing, 1/4 scale, with full size detail (J.Rowland Dec 1989)
F17-010018		Rear springs - Super Sports & F-type Dimensioned drawing, not to scale
F17-010019		Shock absorber mount, for wide "B" Super Aero Dimensioned sketch with notes (J.Leavens)
F17-010020	1936	Fork Dimensions for 3-speed Morgan Dimensioned sketch, not to scale (R.Haynes Oct 2001)

Front hubs & spindles

F17-020001		Front hub spindle & bearing cone, two-speeders Dimensioned full-size drawing including notes (C.Coombes April 1994)
F17-020002	c.1931	Front hub spindle, three speeders, non-detachable wheel type. Dimensioned full-size drawing (C.Coombes August 1964)
F17-020003		Front hub spindle & spacer ring, 3-speed twins - detachable wheels Dimensioned drawing, twice full size (J.Rowlands March 1983)
F17-020004		Front hub spindle, 3-speeders except R-types. Includes variations due to different brakes Dimensioned drawing (C.Coombes. Drawn 1964, revised Dec 1994)
F17-020005		Front hub spindle, 3-speeder/F-type detachable wheels. Inc variations due to different brakes Dimensioned drawing, not to scale (N.E.D. April 1982)
F17-020006	1931-52	Front hub spindle, detachable wheel type. Including variations due to different brakes Dimensioned full-size drawing (N.Bloomfield Jan 1985)
F17-020007		Front hub spindle, 2-speeders using Morris 8 brakes & MG hubs & wheels Dimensioned full-size drawing (C.Coombes Aug 1964)
F17-020008		Front hub spindle, 2-speeders using MG rear brakes & wheels Dimensioned full-size drawing (C.Coombes June 1965)
F17-020009		Outer spindle nut, two-speeder Dimensioned drawing with notes (Vislok Engineering Ltd Jan 1977)
F17-020010		Front hub bearing cone (large) Dimensioned drawing twice full-size (J.Rowlands Feb 1984)
F17-020011	1910	Front hub, bearings, spindle & hub cap - 1910 Runabout Dimensioned full-size drawing (M.Webb Feb 1991)
F17-020012	1914	"Carhubs" - British Hub Co. Illustrations of various types available in 1914
F17-020013	1933	Front Hub, three-speeder, detachable wheels Original factory dimensioned drawing (Morgan Motor Co. Ltd May 1933)
F17-020014		Front Hub, three-speeder, detachable wheels, except R-types Dimensioned drawing 1/2 scale (C.Coombes Nov 1995)
F17-020015		Front Hub, three-speeder, detachable wheels Dimensioned drawing, full-size. Based on factory drawing (J.Rowland July 1988)
F17-020016		Ball race retaining plate excluding R-type Dimensioned full-size drawing, including notes (C.Coombes Nov 1995)
F17-020017		Bearing retaining ring, 3-speeder front hub Dimensioned drawing, full-size (J.Rowland Nov 1982)
F17-020018		Spring clip for bearing retaining ring, 3-speeder front hub Dimensioned drawing, full-size (J.Rowland Nov 1982)
F17-020019		Felt seal, 3-speeder front hub, flat centre backplate Dimensioned drawing, full size (October 1982)
F17-020020		Felt seal, 3-speeder front hub, raised centre backplate Dimensioned drawing, full size (October 1982)
F17-020021		Hub cap (front), three speeder Original Factory dimensioned drawing (Morgan Motor Co.Ltd. Oct 1932)
F17-020022		Hub Cap (front), three speeder except R-type Dimensioned full-sized drawing (C.Coombes March 1994)

Rear Hubs & Spindles

F17-030001	1914	Rear wheel spindle, including spindle nut and end cap - 1914 2-speeders. Dimensioned sketch
F17-030002		Rear wheel spindle - B type 2-speeders Dimensioned drawing (C.Coombes 1988)

F17-030003		Rear wheel spindle. All types 2 & 3 speed spindles 1920 onwards Dimensioned drawing (C.Coombes January 1994)
F17-030004		Rear wheel spindles, M & C 2-speeder (1931-32) & 3-speeder (1932-52) Dimensioned full size drawing (C.Coombes June 1992)
F17-030005		Rear wheel spindles, M & C 2-speeder (1931-32) & 3-speeder (1932-52) Dimensioned full size drawing (N.Bloomfield)
F17-030006		Rear wheel knock-out spindle, 3-speeders except R-type Dimensioned full size drawing (C.Coombes July 1992)
F17-030007		Brake adjuster block, knock-out spindle end piece Original factory dimensioned drawing (Morgan Motor Co Ltd Sept 1932)
F17-030008	1910	Rear hub assembly, 1910 Runabout including brake drums & sprockets Full size sectioned drawing (M.Webb September 1997)
F17-030009	1912	Rear hub assembly (Runabout) inc. rear spindle, low & high gear sprockets, brake drums Detail & sectioned assembly drawings - reduced from A1 size (G.Jarrett August 1995)
F17-030010	1912	Rear hub assembly (Runabout) - reduced version of F17-030009
F17-030011	1912	Rear hub assembly (Runabout) - metric version of F17-030009
F17-030012	1912	Rear hub assembly (Runabout) - reduced version of F17-030011
F17-030013		Rear hub - three speeder detachable wheels Original factory dimensioned drawing (Morgan Motor Co Ltd April 1948)
F17-030014		Spindle end (hub spacer) - three speeder detachable wheels Original factory dimensioned drawing (Morgan Motor Co Ltd May 1934)
F17-030015		Rear hub spacer & oil seal - three speeders except R-type Dimensioned drawing (C.Coombes June 1992)
F17-030016		Rear hub oil seal, sprocket side. 3-speeders with Magna wheels Isometric exploded drawing (C.Coombes June 1992)
F17-030017		Rear hub oil seal plate, three speeder Dimensioned drawing
F17-030018		Felt seal, outer, three-speeder rear hub Dimensioned drawing, full size (October 1982)
F17-030019		Comparison between Morgan & Darmont rear hubs Dimensioned sketch (Tom Cowley Oct 2012)

Brakes

F18-010001		Band brake operating linkage - offside, two speeder c.1924 on General arrangement & dimensioned drawings of component parts. (P.Thompson)
F18-010002		Band brake operating linkage - offside, two speeder c.1924 on Dimensioned drawings of component parts. (1987)
F18-010003	1914	Band brake arm pivot clamps Dimensioned drawing
F18-010004		Operating lever - two-speeder rear band brake Dimensioned drawing with notes (J.Rowland)
F18-010005	1910	Band brake arm plus band, 1910 Runabout Full size drawing (M.Webb Nov 1995)
F18-010006	1914 on	Rear brake band, two-speeder, including details of modification for ends Dimensioned sketch with notes
F18-010007		Rear brake band, two-speeder, modified end to steel band. Dimensioned sketch with notes (D.Rushton 1990)
F18-010008		Handbrake ratchet & torque tube clamp, three-speed twins Dimensioned drawing (C.Coombes December 1994)
F18-010009	1929-52	Brake & clutch lining application list. Part numbers for friction material
F18-010010	1921-33	Brake & clutch lining application list. Part numbers for friction material
F18-010011		Servicing the Girling brake. Extract from Girling Service Manual. Sectioned diagrams, photos, text, relining directions, parts list, etc.
F18-010012		Girling brake shoe, F-type Full size dimensioned drawing
F18-010013		Brake shoe return spring, F-Super. Pt No, availability, alternative apps list Dimensioned drawing with notes (Lucas Girling Ltd Oct 1936)+ letter (May 1982)
F18-010014		Girling brake cables, 3-speeders. List of Part Numbers, (inc 4/4 Series 1)
F18-010015		Girling brake cam conversion for F-type rear brake Dimensioned sketches with notes (J.Leavens April 1995)
F18-010016		Brake coupling system converting front brakes to pedal operation Comprehensive set of 15 drawings plus description, photos & parts list (D.Browne Nov 1998)
F18-010017		Brake coupling system for foot operation, twin engine models Illustrated description of modification (W.Seaman May 1938)
F18-010018		Rear brakes, Girling type, showing method of coupling cables Rough sketch
F18-010019		Conversion to hydraulic brakes Handwritten & illustrated article (W.Morris 1947)
F18-010020		Girling hydraulic brakes for F-types, backing plate & components Comprehensive dimensioned drawings (H.Litwin April 1978)
F18-010021		Lockheed brake conversion for twins using Morris 8 master cylinder Compound leverage method. General arrangement drawing (C.Coombes)
F18-010022		Lockheed brake conversion for F-types, master cylinder layout Compound leverage method. General arrangement drawing (C.Coombes Sept 1964)

- F18-010023 **Master cylinder mounting brackets, Lockheed brake conversion 3-speeder twins**
Full size dimensioned drawing with notes (C.Coombes 1963)
- F18-010024 **Hydraulic front brake conversion adaptor plate. MG wheels/hubs 3-speeders**
Full size dimensioned drawing (C.Coombes)
- F18-010025 **Some brake modifications for Morgans - brake coupling systems**
Transcript of MotorCycling article on brake coupling systems by "Trepnopol" (December 2, 1943)

Wheels & tyres

- F18-020001 **1910-14** **Front Wheel, early narrow "British hub" with 26" x 2.1/2" beaded edge rim.**
Half scale drawing showing spoking arrangement & section view (M.Webb Feb 1995)
- F18-020002 **1910-14** **Rear Wheel, "British hub" with 26"x 2.1/2" beaded-edge rim**
Half scale drawing showing spoking arrangement & section view (M.Webb Feb 1995)
- F18-020003 **1931** **Wheel, 3-speeder detachable. Including table of alternative applications.**
1/2 scale with full size detail of centre & section of rim (Dunlop Rim & Wheel Co Ltd July 1931)
- F18-020004 **Wheel centre, 3-speeder, detachable.**
Full size dimensioned drawing (P.Kennedy)
- F18-020005 **Wheel stud, 3-speeder (large flange type)**
2 x full size dimensioned drawing (J.Rowland Feb 1983)
- F18-020006 **Wheel stud, 3-speeder.**
Full size dimensioned drawing (J.Ingleby Dec 1978)
- F18-020007 **Inner nut for hub stud, 3-speeder.**
Full size dimensioned drawing (P.Kennedy Feb 1979)
- F18-020008 **Inner nut for hub stud, 3-speeder.**
Full size dimensioned drawing (J.Ingleby Dec 1983 adapted from P.Kennedy Feb 1979)
- F18-020009 **Wheel nut, 3-speeder. 2 X full size dimensioned drawing**
(J.Rowland Oct 1983)
- F18-020010 **Wheel nut, 3-speeder. Dimensioned drawing with notes**
(Vislok Engineering Ltd Dec 1972)
- F18-020011 **Wheel nut, 3-speeder, modified 1/2" BSF. Dimensioned drawing with notes.**
(Vislok Engineering Ltd Dec 1972)
- F18-020012 **Spinning for spare wheel cover, 3-speeder.**
Full size 1/2 profile with dimensions.
- F18-020013 **1914** **Letter from Continental tyre & Rubber Co to F.H.Douglas April 1914**
Ref performance of their tyres in London-Lands End run for Jarrott Cup
- F18-020014 **1923** **Dunlop cord tyre brochure, beaded-edge tyres & tubes inc 1922 competition successes**
Original colour brochure including trade covering letter to gentleman in Salisbury
- F18-020015 **1934** **Tyres, a book for Morgan three-wheeler owners (The Press at Coombelands Ltd)**
Details of tyre sizes, pressures, fitting, alignment & use including drawings.
- F18-020016 **1948** **Tyres & your Morgan. Booklet with details of sizes, pressures, fitting etc**
Alignment, repairs & use, inc drawings, plus list of Dunlop sales & service depots.
- F18-020017 **1930's** **Postcard warning of dangers of worn tyres & advertising "HF regrooving process"**
Stamped by Fred W.James (Sheffield Morgan agent)
- F18-020018 **Care of pneumatic tyres, "The main causes of undue wear & how to avoid them"**
Ministry of Supply leaflet, undated but c.WW2.
- F18-020019 **1955** **Michelin motor cycle tyres advert with pressure/load table for various sizes.**
(The Motor Cycle May 1955)

Chassis Jigs, Trailers etc for Morgan 3-wheelers

- F18-030001 **Mobile Morgan Mounting Machine (Wheeled trolley)**
Dimensioned drawing "to hold the terrible tricycle during chassis & body rebuilds" (J.Pearson)
- F18-030002 **Trailer chassis**
1/10 scale drawing with some dimensions (S.Ball 1993)
- F18-030003 **Trailer plan with list of materials & dimensions**
Dimensioned sketch with detailed material & component list (D.Young 10/09/05)
- F18-030004 **Geoff Shuttleworth Morgan Trailer**
Detailed dimensioned sketch, instructions etc. (G.Joseph Feb 2002)

TRANSMISSION

Cone Clutch

F19-010001	1910	Cone Clutch Flywheel - 8hp Runabout (M.Webb 1996)
F19-010002	1910	Cone Clutch bronze casting - 8hp Runabout (M.Webb 1996)
F19-010003		Cone Clutch assembly - 2 speeder - exploded diagram (M.Webb 1996)
F19-010004	1910	Thrust bearing assembly - cone clutch. (full size drawing) (M.Webb 1996)
F19-010005		Pressure ball-race plate, cone clutch 2 speeder. (dimensioned drawing) (C.Coombes Feb 1996)
F19-010006		Spring & retaining nut - cone clutch 2 speeder. (Data sheet & dimensioned sketch) (J.Ingleby)
F19-010007	1916	Fibre clutch release ring plus pin for fitting to clutch fork (M.Webb March 1996)
F19-010008	1916	Clutch fork. (Dimensioned sketch) (M.Webb March 1996)
F19-010009	1917	Clutch fork & pivot block. (Dimensioned sketch) (M.Webb March 1996)
F19-010010	1910-17	Clutch & brake pedals, early 2-speeder. (Dimensioned sketch) (M.Webb March 1996)
F19-010011	1913-22	Clutch & brake foot pedal end. (Dimensioned sketch)
F19-010012		Split Retaining Ring for Cone Clutch Thrust Bearing. (Dimensioned Drawing)
F19-010013	1920	Cross-section of Cone Clutch Flywheel (From original Morgan Motor Co drawing)
F19-010014	1920	Cross-section & plan view of Clutch Cone (Dimensioned drawing) (From original Morgan Motor Co drawing)
F19-010015		Dust Cover for Cone Clutch Flywheel(Dimensioned drawing) (From original Morgan Motor Co drawing)

Plate Clutch

F19-020001		Instruction leaflet for fitting Borg & Beck clutch plates & carbon release bearings.
F19-020002		3 Speeder plate clutch spring data sheet.
F19-020003	1935	Pivot support for clutch operating pad - nearside. (Dimensioned drawing) (D.Farrow November 1991)
F19-020004		Clutch bell housing - F type. (Original Morgan factory drawing Pt No 710/3)
F19-020005		Clutch Thrust Sleeve - F type. (Dimensioned drawing) (C.Coombes Sept 1973)

Prop-shaft

F19-030001		Front prop shaft end - 2 speeder. (Full size dimensioned drawing) (C.Coombes July 1992)
F19-030002		Front propshaft end for twin engined Morgans using Ford clutch plate. (full size dimensioned drg) (C.Coombes March 1965)
F19-030003		Front prop shaft end - 3 speed twin Morgans. (Full size dimensioned drawing) (C.Coombes July 1992)
F19-030004		Front prop shaft end for F type Morgans. (Full size dimensioned drawing) (C.Coombes July 1992)
F19-030005		Front propshaft end splines keyway cutter - 3 speeder. (dimensioned drawing) (CGH December 1995)
F19-030006		Propshaft coupling & sleeve. M & C type & twin engined 3 speeders (full size dimensioned drawing) (C.Coombes June 1992)
F19-030007		Propshaft coupling & sleeve. 3 speeder & late 2 speeder (dimensioned drawing) (J.Rowland January 1980)
F19-030008		Propshaft coupling assy - front & rear. 3 speeder & late 2 speeder (full size dimensioned drawing) (C.Coombes August 1964)
F19-030009		Propshaft coupling assy - general arrangement exploded drawing 3 speeder & late 2 speeder.
F19-030010		Rear propshaft end - narrow 'B' type 2 speeder. (full size dimensioned drawing) (C.Coombes July 1992)
F19-030011		Rear propshaft end - 'B' type 2 speeder. (full size dimensioned drawing) (M.Park February 197?)
F19-030012		Rear propshaft end - wide 'B' type 2 speeder. (full size dimensioned drawing) (C.Coombes July 1992)
F19-030013		Bevel box input shaft 'M' & 'C' type 2 speeders. (full size dimensioned drawing) (C.Coombes March 1992)

- F19-030014 **Gearbox input shaft 3 speed twins. (2 x full size dimensioned drawing)**
(J.Rowland December 1981)
- F19-030015 **Gearbox input shaft 3 speed twin Morgans. (full size dimensioned drawing)**
(C.Coombes July 1992)
- F19-030016 **Rear propshaft end 'F' type Morgans. (full size dimensioned drawing)**
(C.Coombes July 1992)

Gear Selection

- F19-040001 **1910** **Change speed mechanism for 8hp Runabout. (Full size drawing)**
- F19-040002 **1922-25** **Gear change lever mechanism for Aero. (Dimensioned sketch of shaft/gate & lever castings)**
(J.Leavens November 1986)
- F19-040003 **1922-25** **Gear change lever mechanism for Aero. (Miscellaneous notes and sketches)**
(J.Leavens)
- F19-040004 **Gear change lever (internal), gate & linkage 2 speed Aero. (Dimensioned sketch)**
(C.Booth 1996)
- F19-040005 **c.1914** **Selector pivot casting & bell crank, early 2 speeder. (Dimensioned drawing)**
- F19-040006 **c.1917** **Selector, dog fork, early 2 speeder. (Crude dimensioned sketch)**
(M.Webb March 1996)
- F19-040007 **Gate middle plate, 3 speeders. (Full size dimensioned drawing)**
(C.Coombes February 1996)
- F19-040008 **Gear change lever fulcrum pin, 3 speeders. (Full size dimensioned drawing with assembly notes)**
(C.Coombes March 1996)
- F19-040009 **Selector rod yoke end, 3 speeders. (Full size dimensioned drawing)**
(C.Coombes December 1995)
- F19-040010 **Selector rod yoke end (pt no MR-108) 3 speeders. (Original dimensioned drawing)**
(Burman & Sons Ltd July 1931)

2-Speeder Bevel Box

- F19-050001 **1910** **Bevel box & final drive arrangement. Runabout. (1/2 scale drawing)**
(M.Webb 1995)
- F19-050002 **Caton gearbox conversion to Narrow 'B' bevel box. (Sketch)**
- F19-050003 **1910-20** **Bevel box casing, early narrow 'B'. (Full size drawing)**
(M.Webb 1995)
- F19-050004 **1910-20** **Bevel box casing, early narrow 'B'. (Full size dimensioned drawing)**
(M.Webb 1995)
- F19-050005 **1915** **Bevel box casing, early narrow 'B'. (Dimensioned drawing)**
(D.Plater)
- F19-050006 **1920-22** **Bevel box casing, narrow 'B'. (Full size drawing)**
(M.Webb 1996)
- F19-050007 **Bevel box casing wide 'B'. (Full size dimensioned drawing). Reduced copy in file.**
(T.V.Ashcroft March 1977)
- F19-050008 **1910** **Bevel gears - early Narrow 'B' straight cut, 16/40 tooth. (Full size drawing)**
(M.Webb 1994)
- F19-050009 **Bevel gears, 'B', 'M' & 'C' straight cut. (Full size dimensioned machine drawing)**
(Spencer Gears Ltd, Leicester October 1975)
- F19-050010 **B' type spiral bevels - sketch showing mounting distances.**
(Mogspares B/11/12)
- F19-050011 **M' & 'C' type spiral bevels - sketch showing mounting distances.**
(Mogspares M/C 11/12)
- F19-050012 **Helical Bevel Gears (Full size dimensioned drawing)**
(M.Park March 197?)
- F19-050013 **Helical Bevel Gears (Full size dimensioned drawing)**
(M.Park March 197?)
- F19-050014 **Spiral bevel gear fitting instructions (Manufacturers poster)**
(W.H.Fulford, Birmingham)
- F19-050015 **1910** **Cross-shaft & chainwheels (12 & 14T) early narrow 'B'. (Full size drawing)**
(M.Webb 1995)
- F19-050016 **Cross-shaft, Narrow 'B'. (Dimensioned drawing)**
(C.Coombes)
- F19-050017 **Cross-shaft, Narrow 'B' with dimensional differences for wide 'B', 'M' & 'C'. (Dimensioned drawing)**
(C.Coombes 1994)
- F19-050018 **1914** **Sliding Dogs - crude & incomplete dimensioned sketch.**
- F19-050019 **Sliding Dogs, 2 speeders. (Full size dimensioned drawing)**
- F19-050020 **Dog sprocket centres. 2 variations for fabrication. Suitable 12/13T sprockets. (Dimensioned drgs)**
(C.Coombes 1968, redrawn 1995)
- F19-050021 **Dog sprocket centre (modification) for fabricating in two parts. (Dimensioned drawings)**
(C.Coombes October 1985)
- F19-050022 **Gear Ratios. Morgan Motor Co document listing ratios for different sprocket combinations.**
(Morgan Motor Co., Ltd)
- F19-050023 **Dog sprocket, 18 tooth, 2-speeders. (Full size dimensioned drawing)**
- F19-050024 **Bevel box, M/C type plus rear suspension. (General arrangement exploded drawing)**
- F19-050025 **Cross-shaft bearing adjusting rings. 'M' & 'C' type. (Full size dimensioned drawing with notes)**
(C.Coombes July 1992)

F19-050026 **Cross-shaft bearing adjusting rings. 'M' & 'C' type.**
Original MMC Factory drawing showing differences from F19-050025

F19-050027 **Side flanges - 'B' type bevel box. (Dimensioned drawing)**
(P.Thompson - info from C.Booth Jan 2020)

3-Speeder Gearbox

F20-010001 **Table of threads used on Morgan gearboxes.**

F20-010002 **Gearbox - general arrangement drawing (cut-away)**

F20-010003 **Gearbox casing - Morgan Motor Company original dimensioned machine drawings**

F20-010004 **Gearbox internal components - exploded drawing.**

F20-010005 **Constant mesh pinion, 15T (Part no MR-127) Original dimensioned drawing.**
(Burman & Sons Ltd. March 1932)

F20-010006 **Constant mesh pinion, 16T (Part no MR-12 7/11) Original dimensioned drawing.**
(Burman & Sons Ltd. Jan 1932)

F20-010007 **Constant mesh pinion bush (Part No MR.8) Original dimensioned drawing.**
(Burman & Sons Ltd. March 1932)

F20-010008 **Letter from Burman & Sons to Morgan Motor Co ref prices for g/b input bearing oilseal housings.**
(June 1934)

F20-010009 **Input Bearing Cap (Part No MR-190) Original dimensioned drawing.**
(Burman & Sons Ltd.)

F20-010010 **Input Bearing Washer (Part No MR-191). Original dimensioned drawing**
(Burman & Sons Ltd. 11th June 1934)

F20-010011 **Input Pinion Bearing (Pt.No MR-191). Full size dimensioned drawing.**
(C.Coombes 1976. Redrawn March 1995)

F20-010012 **Layshaft Gear Train (Part No MR-10 7/11) Original dimensioned drawing.**
(Burman & Sons Ltd. January 1938)

F20-010013 **Gear selector rods. Full size dimensioned drawings.**
(C.Coombes June 1992)

F20-010014 **First & Reverse selector rod (Pt No MR-122) Original dimensioned drawing.**
(Burman & Sons Ltd. July 1931)

F20-010015 **First & Reverse selector fork (Pt No MR-156) Original dimensioned drawing.**
(Burman & Sons Ltd. July 1931)

F20-010016 **Second & Third selector fork (Pt No MR-4) Original dimensioned drawing.**
(Burman & Sons Ltd. July 1931)

F20-010017 **Change Speed Spring Cup (Pt. No. MR-2) Original dimensioned drawing.**

F20-010018 **Gearbox gear selector spring data sheet.**
(February 1984)

F20-010019 **Layshaft spindle (Pt. No. MR-104) Original dimensioned drawing.**
(Burman & Sons Ltd. July 1931)

F20-010020 **Layshaft spindle bushes (Pt. No. MR-94) Original dimensioned drawing.**
(Burman & Sons Ltd. July 1931)

F20-010021 **Gearset complete including close ratio details. Full size dimensioned machine drawing.**
(R.Haynes, drawn Oct 1988, revised April 1989. Aug 1989, May 1990 & May 1996)
Includes constant mesh pinion, sliding & reverse pinions plus layshaft cluster.

F20-010022 **Gear specifications for complete set, A-type 3-speeder R & D boxes.**
(R.Haynes October 1988)

F20-010023 **Gear specifications for complete set, B-type 3-speeder early F-type boxes.**
(R.Haynes October 1988)

F20-010024 **Gear box analysis table, F-types - specification for each gear.**

F20-010025 **Mogspares replacement gearset fitting instructions inc details of i/p gear bush & bush seizure**
(J.Rowland)

F20-010026 **Reverse gear pinion 15 tooth (Pt. No. MR-6) Original dimensioned drawing.**
(Burman & Sons Ltd. June 1931)

F20-010027 **Reverse gear pinion 15 tooth (Pt. No. MR-6 11) Original dimensioned drawing.**
(Burman & Sons Ltd. January 1934)

F20-010028 **Reverse gear pinion bush (Pt. No. MR-5) Original dimensioned drawing.**
(Burman & Sons Ltd. July 1931)

F20-010029 **Mainshaft (Pt. No. MR-34) Original dimensioned drawing.**
(Burman & Sons Ltd. July 1931)

F20-010030 **Mainshaft. Full size dimensioned drawing.**
(C.Coombes, drawn 1970, redrawn March 1995)

F20-010031 **Original typical gear bores & comparison of shaft, gear & broach sizes. F/S dimensioned drawings.**
(R.Haynes Oct/Nov 1988) + proposed detail of sliding gear bore.

F20-010032 **Worm Gear. Full size dimensioned drawing.**
(John Holroyd & Co. February 1962)

F20-010033 **Worm Wheel Gear (Pt. No. 1/B 1841) Full size dimensioned drawing.**
(John Holroyd & Co. July 1960)

F20-010034 **Worm wheel bolts (Pt. No. MR-160)Original full size dimensioned drawing.**
(Burman & Sons Ltd. July 1931)

F20-010035	Worm wheel bolts (standard) 2 x full size dimensioned drawing. (J.Ingleby January 1979)
F20-010036	Worm wheel bolts (modified) 2 x full size dimensioned drawing. (J.Ingleby, March 1979)
F20-010037	Mogspares worm wheel bolts, fitting instruction sheet. (J.Rowland June 1982)
F20-010038	Worm wheel shaft and nuts, full size dimensioned drawing including notes. (C.Coombes, May 1994)
F20-010039	Worm wheel shaft (twin type) Full size dimensioned drawing. (G.Cowley 1983)
F20-010040	Worm wheel shaft (Pt. No. MR-66) Original full size dimensioned drawing (Poor quality) (Morgan Motor Co. Ltd. Oct 1931)
F20-010041	Worm wheel shaft (F-type) full size dimensioned drawing. (G.Cowley 1983)
F20-010042	Worm wheel shaft (Pt. No. MR-66 M/11) Original full size dimensioned drawing (Very poor quality) (Morgan Motor Co. Ltd. January 1934)
F20-010043	Worm wheel shaft, Mogspares dimensioned sketch, origin unknown.
F20-010044	Trunnion bearing, dimensioned drawing. (C.Coombes, June 1994)
F20-010045	Trunnion bearing (Pt. No. MR-67) Original dimensioned drawing. (Burman & Sons Ltd. July 1931)
F20-010046	Trunnion bearing. Full size dimensioned drawing. (N.P.Bloomfield)
F20-010047	Trunnion side plates, dimensioned drawing. (C.Coombes, March 1995)
F20-010048	Gearbox rear cap, dimensioned drawing. (C.Coombes, June 1992)
F20-010049	Gearbox breather pipe, filler plug & drain plug. Full size dimensioned drawing. (C.Coombes, May 1992)
F20-010050	Dynamo drive gears, 3-speeder twins. Dimensioned drawing. (C.Coombes, February 1976)
F20-010051	Dynamo drive gear (15 tooth) 3-speeder twin Morgans, specification table. (M.Bull, September 1983)
F20-010052	Dynamo driving gear retention nut, R & D type gearboxes, dimensioned drawing. (R.Haynes, July 1975)
F20-010053	Dynamo driving gear retention nut, R & D type gearboxes, dimensioned drawing. (Vislock Engineering Ltd., July 1976)
F20-010054	Reverse Pinion & layshaft washer for R & D gearboxes. Full size dimensioned drawing. (R.Haynes, April 2004)
F20-010055	Spacing collar for layshaft spindle bush. Full size dimensioned drawing. (R.Haynes, April 2004)

Final Drive

F20-020001	Gear ratios, 3-speeders. Table giving no. of teeth & diameter for each of the g/b component gears.
F20-020002	Gear ratios, 3-speeders. Table giving no. of teeth & diameter for each of the g/b component gears plus ratios obtained with 17 & 18 tooth sprockets. (C.Coombes, March 1965)
F20-020003	Gear ratios & performance data for various size drive sprocket using 1 7/8" worm & 26.5" dia tyre. Handwritten notes
F20-020004	Driving sprocket 16 teeth, all models of 3-speeder, full size dimensioned drawing. (R.Haynes, April 1975)
F20-020005	Driving sprocket 17 & 18 teeth (pt.no. MR121 M/11) all 3-speeders, original dimensioned drawing. (Burman & Sons Ltd. Sept 1931)
F20-020006	Driving sprocket 17 teeth, all models of 3-speeder, full size dimensioned drawing. (R.Haynes, April 1975)
F20-020007	Driving sprocket 18 teeth, all models of 3-speeder, full size dimensioned drawing. (R.Haynes, April 1975)
F20-020008	Driving sprocket 19 teeth, all models of 3-speeder, full size dimensioned drawing. (R.Haynes, April 1975)
F20-020009	Drive sprocket nut (left hand) all models of 3-speeder, full size dimensioned drawing. (R.Haynes, May 1975)
F20-020010	Drive sprocket nut, all models of 3-speeder, dimensioned drawing. (Vislock Engineering Ltd., July 1976)
F20-020011	1910 Sprocket, rear wheel high ratio (25 teeth). 1910 Runabout. Full size drawing (M.Webb 1995)
F20-020012	Sprocket, rear wheel low ratio (38 teeth). 1910 Runabout. Full size drawing (M.Webb 1995)
F20-020013	Sprocket/brake drum, rear wheel (38T), M,C,R & D type Morgans. 2/3 scale dimensioned drawing. (C.Coombes, April 1996)
F20-020014	Sprocket/brake drum, rear wheel (38T), R & D type Morgans. Full size dimensioned drawing. (R.Haynes, March 1975)
F20-020015	Sprocket/brake drum, rear wheel (38T), R & D type Morgans. Full size dimensioned drawing. (Mogspares drawing, J.Rowland, August 1984)
F20-020016	The Morgan Chain. Description, maintenance, wear measurement, semi-automatic oiling device. (C.Coombes)

BODYWORK

General arrangement drawings

F21-011001	1910	4hp Tiller-steered Runabout. 1/8 scale side elevation
F21-011004	1910	8hp Tiller-steered Runabout. 1/8 scale side elevation
F21-011101	1911	8hp Two-seat Runabout, 1/8 scale side elevation
F21-011102	1911	8hp Two-seat Runabout, 1/8 scale side elevation (with hood raised)
F21-011103	1911	8hp Single-seat Runabout, 1/8 scale side elevation
F21-011401	1914	Grand Prix, 1/8 scale side elevation
F21-012201	1922	Aero (flat sided). 1/8 scale side elevation (with wheel discs)
F21-012202	1922	Aero (flat sided). 1/8 scale side elevation (with standard wheels)
F21-012203	1922	Grand Prix. 1/6 scale 3-view general arrangement drawing with dimensions
F21-012301	1923	Aero (round-tail) 1/8 scale side elevation
F21-012302	1923	Aero (round-tail) 1/8 (approx) scale "Ghost" drg showing chassis & transmission, side elevation
F21-012401	1924	Aero, 1/8 scale side elevation.
F21-012501	1925	Aero, 1/8 scale side elevation.
F21-012601	1926	Aero, 1/8 scale side elevation.
F21-012602	1926	Aero, 1/8 scale side elevation. (with hood raised)
F21-012701	1927	Aero, 1/8 scale side elevation.
F21-012801	1929	Super Aero (slightly modified) 1/8 scale, 3 elevations & plan + details of wheels, dash, rad badge
F21-013101	1931	Aero, 1/8 scale side elevation.
F21-013201	1932	Aero, 1/8 scale side elevation.
F21-013502	1935-	Super Sports Barrel Back inc details of wooden body frame, chassis & suspension
	39	Scale general arrangement drawing
F21-013601		The Donnington Hustler - sketch showing proposed design

Woodwork and Panels

F21-021001	1910	4hp Tiller-steered Runabout - isometric drawing of woodwork.
F21-021002	1910	4hp Tiller-steered Runabout - isometric drg of woodwork including petrol tank & metal body panels
F21-021003	1910	8hp Tiller-steered Runabout - isometric drawing of woodwork.
F21-021004	1910	8hp Tiller-steered Runabout - isometric drg of woodwork including petrol tank & metal body panels
F21-022201	1922	DeLuxe - 1/4 scale woodwork plans (small scale copy in folder)
F21-022202	1922	DeLuxe - 1/4 scale side elevation of scuttle woodwork detail
F21-022203	1922	Woodwork body number stamp - example of original stamping & location on woodwork.
F21-022301	1923	Aero (flat sided) 1/6 scale woodwork plans
F21-022501	1925	Aero - Sketches (nts) of woodwork with some dimensions.
F21-022502	1925	DeLuxe - 1/4 scale side elevation of scuttle woodwork detail.
F21-022503	1925	Darmont Sporting model - dimensioned drgs (nts) detailing woodwork & metal panels.
F21-022601	1926	Bonnet - Standard/DeLuxe/Family models - Scale 1 : 4.375
F21-022602	1926	Bonnet Front panel - Standard/Deluxe/Family models - approx 1/3 scale
F21-022603	1926	Bonnet Bulkhead - Standard/DeLuxe/Family models - scale 1 : 3.8
F21-022701	1927	Aero - 1/6 scale dimensioned woodwork plans inc general construction details from original frame
F21-022702	1927/28	Super Sports Aero - full size woodwork plans (A4 copy in folder)
F21-022703	1927/28	Super Sports Aero - general constructional details & specification. Sketches (nts) of woodwork.
F21-023201	1932	Aero - dimensioned sketches of woodwork & metal panel outlines.
F22-013201	1932	Super Sports Beetle Back - Full size woodwork plans (A4 copy in folder)
F22-013202	1932	Super Sports Beetle Back. Dimensioned woodwork plans & constructional drawings. NTS.
F22-013203	1932	Sports Family. Drawings of wooden body frame construction. Some dimensions Includes side elevation of metal panels (front end only) and door.

F22-013301	1933	Sports 2-seater. Dimensioned woodwork plans inc general assy & wood cutting list.
F22-013302	1933	Super Sports Beetle Back. Dimensioned woodwork plans inc general assy & wood cutting list.
F22-013401	1934	Super Sports Beetle Back. Dimensioned woodwork constructional drawings. 1/10 scale approx.
F22-013501	1935	Super Sports Barrel Back. Full size woodwork plans. (A4 copy in folder)
F22-013502	1935	Family 4 Seater Twin. Fully dimensioned woodwork plans. (A4 copy in folder)
F22-013503		Super Sports Barrel-Back. Dimensioned woodwork plans and constructional drawings. John Coombes April 1971 with amendments by Trevor Seymour.
F22-013701	1937	Super Sports Barrel Back. Drawings detailing wooden body frame construction. No dimensions.
F22-015001	1950s	F-Super. Basic bodywork construction. Dimensioned sketch (Not to Scale)
F22-015101	1951	F Super. Series of drawings detailing wooden body frame construction. (No dims, NTS)
F22-020001		F-type Scuttle brace. Bracket modification for strengthening bulkhead. Dimensioned sketch. (C.Harris July 1987)
F22-020002		Super Sports Barrel Back luggage rack. Dimensioned drawing of components & position on tail. (J.Leavens Nov 1976)
F22-020003		F Super luggage rack - dimensioned sketch.
F22-020004		Louvre tool. Drawings & photographs of home made die set for forming louvres. (A.Gayoso)
F22-020005		Number Plates. Dimensioned sketch with letter spacing for front & rear Morgan number plates. Intended for mid '20s Aero - also suit twins other than barrelback. (J.Leavens)
F22-020006		Battery Box for early Aero. Dimensioned sketch. (J.Leavens)

Wings

F22-030001		Aero front wing including front & rear wing stays & details of fitting to vehicle. 1:6 size. (M.Webb 1987)
F22-030002	1927	Post 1926 Standard/Deluxe/Family model Wing. Scale varies. Full size plans available. (T.W. 1974)
F22-030003		2-Speed Family etc wings. 1:4, general arrangement. Part No.86. (drawn by T.W.)
F22-030004		Cycle type (ribbed) front wings, 2/3 speeders, full size details & development of valence. (T.W. 1974)
F22-030005		Cycle type (ribbed) front wings for twins. 1:2 with full size detail. (J.Rowland January 1983)
F22-030006		Guide to fitting clamp tube in 2/3 speeder wings. Illustrated notes. (Design by C.D.R., drawn by R.G.H. May 18 1976)

Paint and Varnish Finishes

F22-040001		Paint colorimetric measurements, BS381C. Colours for ready mixed paints. Specification tables. 1952 with 1966 supplement.
F22-040002		Morgan script transfer. Copal varnish transfer 4" long. Application instructions & notes. (Reference item only - not for sale)
F22-040003		M.T.W.C. triangular badge transfer. Copal varnish transfer 2 1/2" x 2 1/2". (Reference item only - not for sale)
F22-040004		M.T.W.C. triangular club badge transfer. Water transfer 3 1/2" x 3 1/2". (Reference item only - not for sale)

Dashboard Layouts

F22-052301	1923-4	Aero dash layout, photograph plus dimensioned drawing.
F22-052801	1928	Aero dash layout. Sketch (no dimensions)
F22-052901	1929	Super Aero dash layout. Sketch (no dimensions)
F22-053201	1932	Super Aero dash layout. Full size plans. Missing
F22-060001		F Super dash board. Full size paper pattern (template) for wooden dash panel. (T.Birks)
F22-060002		Morgan Motor Co. dash plaque. Two-speeder type. Drawing - double size.
F22-060003		Dash plaques - colour photo showing 2 slightly differing original examples plus reproduction.
F22-060004		Sample dash plaques two-speeder type. One original, one reproduction. Etched brass. (Reference item only - not for sale)
F22-060005		Gearbox lubrication instruction plaque detailing oil checking procedure. . Reproduction 2" x 1". (Reference item only - not for sale)

Seats and Trim

F22-070001	1910	Seat cushion 4hp Tiller steered Runabout. Inc photocopies of surviving photographs.
F22-070002		Aero seats and upholstery. Brief handwritten notes with sketches. (J.Leavens)
F22-070003	late '20s	Family model interior - seats & trim. Small period sketch.

F22-070004	1920's	Family model interior - seats & trim. Brief handwritten notes with sketches. (J.Leavens)
F22-073201	1932-34	Super Sports Beetle Back seats & interior trim. Dimensioned constructional drawings.
F22-073401	1934-39	Super Sports Barrel Back seats & interior trim. Dimensioned constructional drawings.
F22-073402	1934	Super Sports Beetle Back seats & interior trim. Dimensioned constructional drawings.
F22-073901	1939	Super Sports upholstery - squab & cushion. Dimensioned drawings taken from original set. (Brian Watts 1970)

Hoods and weather equipment

F22-080001	1920's	Family model Hood frame & side screens. Brief notes with sketches & photo. (J.Leavens)
F22-080002		Vee windscreen vertical pillar, early Super Sports. Full size drawing plus section. (R.Haynes April 1975)
F22-080003	1939	Vee windscreen glass, Super Sports. Full size card template. (J.Leavens)
F22-083401	1934-39	Super Sports Beetle Back hood stays. Dimensioned sketch of hood frame. (D.Creasey)
F22-083701	1937	Hood frame plans. Factory board showing dimensions. Copy in folder.
F22-083702	1937	Super Sports Barrel Back hood stays. Dimensioned sketch of hood frame.
F22-083703	1937	Sports 2-seater hood stays. Dimensioned sketch of hood frame.
F22-083704	1937	F2 hood stays. Dimensioned sketch of hood frame.
F22-083705	1937	F4 hood stays. Dimensioned sketch of hood frame.
F22-093201	1932-39	Super Sports Hood. Full size plans, photographs, constructional details of original hood/frame. 6 photographs + 2 pages A4 notes. M.Webb 1996)
F22-093202	1932-39	Super Sports Hood. Side elevation with dimensions. (J.Leavens. July 18 1980)
F22-093501	1935	Super Sports Barrel Back hood. Detailed explanation inc photos & dimensioned drgs hood/frame. Also details for making hood "D" tube bending tool. D.Farrow. May 1989)

ELECTRICAL

Wiring Diagrams

F23-012001	1920	Lucas Light Car Electric Lighting System diagram No.663/B, 6v.
F23-012501	1925	Morgan, Automobile Electricity diagram, 6v.
F23-012601	1926	Morgan 11hp, Automobile Electricity diagram No.D.204. 6v.
F23-012701	1927-28	Morgan Runabout, Lucas Electric Lighting System diagram No.1999/A. 6v.
F23-012702	1927-28	Light Cars, Lucas Electric Lighting System diagram. Similar to 1999/A - minor differences.
F23-012703	1927-28	Morgan Runabout Lucas Electric Lighting & Starting System diagram No.1995/A. 6v. (as No.1999/A but includes starter motor arrangement)
F23-012704	1927-28	Light Cars, Lucas Electric Lighting System diagram. Similar to 1995/A - minor differences.
F23-012801	c.1928	General Lucas Electric Lighting & Starting System diagram No.1974-1. 12v. (as 1995/A but includes front side lights and different voltage)
F23-012802	c.1928	Medium powered cars Lucas Electric Lighting & Starting System. Includes lighting junction box. 12v. (as 1974-1 + lighting junction box)
F23-013001	1930-31	Morgan Runabout Lucas Lighting & Starting System diagram No. L1999-A1. 6v. (as No.1995/A but includes electric horn & "E" type cut-out)
F23-013201	1932	Morgan Runabout Lucas Lighting, Starting and Coil Ignition System diagram No.W173. 6v (+ve earth)
F23-013401	1934	Lucas Lighting, Starting & Coil Ignition System diagram No.W302. 6v (-ve earth)
F23-013402	1934	Morgan 3-wheeler twins.Hand-drawn diagram. Modifications for later rear light regs. 6v (-ve earth)
F23-013403	1934	Morgan 3-wheeler twin cylinder -ve earth models modified to later rear light regs. (C.Coombes 1964)
F23-013404	c.1934	Twin cylinder -ve earth, modified to suit 2 brush dynamo & compensated voltage control. 12v or 6v.
F23-013501	1935	3-wheeler twin & 4-cyl cars, Lucas Lighting, Starting & Coil Ignition System diagram No.W386. 6v. (-ve earth, includes equipment specification and technical diagram)
F23-013601	1936	Morgan 10hp cars, Lucas Electrical equipment diagram No.W473. 12v. (Includes equipment specification & internal connections of lighting, charging & ignition switch)
F23-013701	1937	3-wheeler twin & 4-cyl cars, Lucas Lighting, Starting & Coil Ignition System diagram No.W04200. 6v. (-ve earth. Includes equipment specification & internal connections of lighting, charging & ignition switch)
F23-013702	1937	3-wheeler twin & 4-cyl cars, Lucas Lighting, Starting & Coil Ignition System diagram No.W04200-1. 6v. (-ve earth. Includes equipment specification & internal connections of lighting, charging & ignition switch)
F23-013803	1938	3-wheeler twin & 4-cyl cars, Lucas Lighting, Starting & Coil Ignition System diagram No.W03400. 6v. (+ve earth. Includes equipment specification & internal connections of lighting, charging & ignition switch)
F23-013804	1938-39	3-wheeler twin & 4-cyl cars, Lucas Lighting, Starting & Coil Ignition System diagram No.W03400-1. 6v. (+ve earth. Includes equipment specification & internal connections of lighting, charging & ignition switch)
F23-014601	1946-47	3-wheeler 4 cylinder cars, Lucas Lighting, Starting & Coil Ignition System diagram No.W72221. (+ve earth. Includes equipment specification & internal connections of lighting, charging & ignition switch)
F23-020001		F-type rewire circuit diagram. (H.A.Litwin, 1978)
F23-020002		F-Super wiring system. Cable colour ident, gauge & length for various sub systems of loom. (J.Leavens)
F23-020003		3-brush generator wiring. Hand-drawn sketch of dynamo charging circuit.
F23-020004		V-twin ignition wiring diagram using two single coils. (J.Leavens)
F23-020005		Turn signal wiring diagram for cars with stop lamps and front side lights. (D.A.Tilsley, April 1986, drawing; J.Leavens, 1996)
F23-020006		"Where the wires ran". Description of original wiring & cable routing of a late 1930s Super Sports. (J.Leavens)
F23-020007		Lighting, charging & ign switch wiring. Notes on dynamo, ignition & battery connections. (J.Leavens. Also covers connections to cut-out box)
F23-020008		F-type 6v to 12v (-ve earth) conversion using electronic regulator. Hand-drawn cct diagram + notes.

Lucas Instruction Manuals

F23-030001	c.1920	Running Instructions for the Magdino lighting/ignition & separate dynamo lighting set. For light cars. Includes many illustrations plus wiring diagram No.663/B.
F23-030002	mid '20s	Running Instructions for electric lighting and starting system, combined unit. 12v system. With dynamotors A300, A900 & A1000 + switchbox CS12. Includes many illustrations, fault finding tables plus wiring diagrams 1285/B (5-lamp) & 1380-B (3-lamp).
F23-030003	late '20s	Running Instructions for electric lighting and starting system. 12v & 6v equipment. Sets with E type dynamos, Lucas code No.85. Cover annotated "Morgan". Includes many illustrations.
F23-030004	late '20s	Running Instructions for electric lighting/starting equipment CF1, CJF1, CF3 etc. Also switch units SM & P1, dynamos C45E, C45AL, Lucas code 179. Cover annotated "Morgan". Includes many drawings.
F23-030005	c.1930	Running Instructions for electric lighting/starting equipment & accessories, CF3, CJF. Includes Startix equipment, Lucas code 219A. Includes many drawings.
F23-030006		Cover of Manual 219A, overprinted "Morgan"

F23-030007	c.1929	Instructions for electric lighting/starting equipment/accessories CFR, CJF, CJR, CJ3, Lucas 219C. Includes many drawings
F23-030008	1930	Running Instructions - electric lighting/starting system E3, E35, SM3, E-type cut-out, M35AS starter Includes many illustrations and wiring diagram No.L1999-A1.
F23-030009	c.1950s	Maintenance Instructions for electric lighting/ignition equipment for motor cycles. CV Control. Compensated voltage control. Includes dynamos E3H, E3HM, E3AR, E3L, C35S, C35SD, MC45, MC45L. Lucas code 820.
F23-030010		CV Control dynamo equipment with double contact type regulator RF, RJF. Lucas code No.236C
F23-030011		Compensated voltage control dynamo equipment for motor-cycles. Lucas code No.450.
F23-030012		CV Control dynamo equipment with single contact regulator. RF50, RF70, RF90, RJF50, RJF70, RJF90
F23-030013		CV Control dynamo equipment with single contact regulators (temperature compensated type) RF71, RF91, RJF71, RJF91. Lucas code No.563.
F23-030014		Lighting switch model PLC2, illustrated instruction leaflet No.651D. Std & de-luxe (with key lock)
F23-030015		"Altette" Horns, fitting & maintenance instructions models HF1234/F1235. Inst booklet No.1050A.

Lucas Spare Parts Lists

F24-010001	1931	Morgan three-wheeler, illustrated list Lucas No.CE22
F24-010002	1949	Morgan F4 & F Super three-wheeler illustrated list No.CE521. Incl wiring diagram No.W72221 6volt
F24-010003	1950	Morgan F-type three-wheeler. Illustrated list Lucas No.CE706
F24-010004	1931	Jowett 7hp model. Illustrated list Lucas No.CE16A
F24-010005	1932	Fleet commercial three-wheeler. Illustrated list Lucas No.CE83
F24-010006	1933	James "Handy-van" model. Illustrated list Lucas No.CE128
F24-010007		Lucas Genuine Spare Bulbs, illustrated descriptive pamphlet. Publication No.412 Extensive list of bulb types, specifications & applications

Electrical Miscellaneous

F24-020001	1935	Morgan twin cylinder model data records, JAP & Matchless. Electrical specification. Lucas technical sales dept. dated 5th April. (includes dynamo C.35A/AD.1-1, starter M35A-0/AD1-0)
F24-020002		Morgan twin cylinder model data records, JAP & Matchless. Electrical specification. As F24-020001 but dynamo C35A-1/ADL-1 replaces C.35A/AD.1-1
F24-020003		Morgan model "F" data records, Lucas technical sales dept. Electrical specification. Includes dynamo C.35A/C.W.2, starter M35A/C.W.
F24-020004		Morgan model "F" data records, Lucas technical sales dept. Electrical specification. As F24-020003 with minor differences ie dynamo C.35.AL/AD.2/0, starter M35A/AD.2-0
F24-020005		Lucas part numbers for Morgan 3-wheeler components (1948-1952 F-types) Handwritten notes listing original part numbers & 1963 equivalents. (J.Leavens)
F24-020006		CAV Regulator settings. Voltage setting tables & graphs for various regulators. Types B1, B2, BJ, BK, plus LRT7, LRT8, LRT9 (6volt) and LRT7 & LRT9 (12volt)
F24-020007	1944	Maintenance of Lucas PLC switches. Service & repairs in times of short supplies. Article from Motor Commerce, motor trade monthly, March 1944.
F24-020008	1940	Repairing a PLC switch when no replacement is available. Article from Automobile Electricity, December 1940
F24-020009		Dynamo mounting bracket for Rotax 3-brush type (clamp to lower chassis tube) Dimensioned sketch (J.Leavens)
F24-020010		Starter motor mounting bracket (clamp to lower chassis tube) Dimensioned sketch. J.Leavens
F24-020011		Starter adaptor plate, F-type 10hp. Dimensioned drawing with notes. Providing alternative mounting for early & late type starter motors on 10hp engines. (C.Coombes, 1973. redrawn Feb 1995)
F24-020012		Lucas "Altette" electric horns. General description with drawings of various types. Includes wiring details. Article from magazine believed VMCC. (Taff Isaac)
F24-020013		Hella electric horns, extract from 1930 catalogue.
F24-020014		"Klaxon" electric horns. Extract from pre-war catalogue. Installation & wiring details.
F24-020015		Brown Brothers list No 11130e. Pictures/prices of Lucas acetylene, oil & early electric lamps.
F24-020016		Starter Parts – sketches from R Haynes

IGNITION

Magneto ignition manuals

F24-030001	1922	M-L Magnetos, instruction book March 1922, for types CK1, CK2 & CKV. Includes illustrated parts list
F24-030002	c.1923	Lucas Magnetos, running instructions
F24-030003		BTH Magnetos, instruction book no 1225 Second edition dated January 1925 for types M1 & M2 (base mounted), Oct 1923. Includes dimensioned drawing of both types. (Incomplete)
F24-030004	1926	M-L Magnetos, instruction book no 538 April 1926, for types CK1, CK2 & CKV. Includes illustrated parts list.
F24-030005	c.1927	Lucas Magnetos, running instructions booklet no 70
F24-030006	1929	M-L Magnetos, instruction book no 538/3 March 1929, for types CK1, CK2 & CKV. Includes illustrated parts list.
F24-030007		M-L Magneto faults & remedies Illustrated leaflet (reprinted from "The Lister Standard") undated
F24-030008		M-L Lister Magnetos, instruction book no 576.B Types KN1, KNV & KN2L, includes trouble-shooting table & illustrated parts list. Undated.

Coil Ignition

F24-040001		Lucas Coil Ignition equipment running instructions Illustrated booklet no 111C, for distributor types DF6A & DJ6A, plus supplement (leaflet no.242) for distributor type CKV. Includes trouble-shooting table.
F24-040002		Contact Breaker Housing for most 3-speeder Morgans Dimensioned drawing, includes notes (C.Coombes December 1981)
F24-040003		Contact Breaker Cams for JAP & Matchless coil-ignition engines Dimensioned Drawing (C.Coombes March 1994)
F24-040004		Contact Breaker Housing Mounting Screw Dimensioned Drawing (C.Coombes November 1994)

Ignition, miscellaneous

F24-050001	1910	Bosch Magnetos Extract from Brown Brothers Ltd. Catalogue with details of Bosch range & illustrated list of spare parts
F24-050002		Bosch Magnetos - dating instruments by serial numbers Data from Bosch factory records
F24-050003		Facts about Sparking Plugs and Engines Booklet produced by the Champion Sparking Plug Co
F24-050004		Spark Plug Data - extract from American handbook for Champion plugs Application, cross-reference and heat range charts, cut-away drawings, racing applications. Everything you've always wanted to know about spark plugs but were afraid to ask. Comprehensive American article with extensive data and cross-referencing of different makes plus diagnostic colour chart of plugs to determine engine condition (a colour copy would be an advantage to make use of the latter section)

INSTRUMENTS

- F24-060001 **Cowey speedometers 1920 to 1930. Detailed description with illustrations.**
Instruments, drive mechanisms, fittings. (Ken Sheppard VMCC Magazine article)
- F24-060002 **1931 Smiths Speedometer. Illustration of speedometer, drive mechanism & fittings.**
Includes drive cable lengths for various models.
- F24-060003 **Speedometer drive gears 3-speeders up to 1938. Front hub fitting with notes.**
(C.Coombes June 1994)
- F24-060004 **Pitch gauge for drive gears of Stewart Speedometers. Full size photocopy of gauge.**
- F24-060005 **Lucas CS6 switchbox face panel. As fitted to early-mid '20s Morgans. Full size sketch.**
(J.Leavens)

SPORTING EVENTS

Sporting Certificates

F25-011101	1911	ACU Quarterly reliability trial, 14th Oct. 1st class certificate awarded to HFS Morgan.
F25-011201	1912	ACU Autumn one-day motor cycle reliability trial 26th Oct. 1st class certificate HFS Morgan.
F25-011301	1913	Brooklands 2 hour speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 46)
F25-011302	1913	Brooklands 3 hour speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 47)
F25-011303	1913	Brooklands 4 hour speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 48)
F25-011304	1913	Brooklands 5 hour speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 49)
F25-011305	1913	Brooklands 6 hour speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 50)
F25-011306	1913	Brooklands 100 mile speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 51)
F25-011307	1913	Brooklands 150 mile speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 52)
F25-011308	1913	Brooklands 200 mile speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 53)
F25-011309	1913	Brooklands 250 mile speed record 16th July. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 54)
F25-011310	1913	Brooklands 10 mile speed record 13th Sept. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 69)
F25-011311	1913	Brooklands 50 mile speed record 18th Sept. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 96)
F25-011312	1913	Brooklands 1 hour speed record 18th Sept. ACU certificate EB Ware (6hp Zenith sidecar) (Cert No 97)
F25-011313	1913	Brooklands flying kilometer & flying mile speed record 18th Sept. (EB Ware - As above) (Cert No 102)
F25-011314	1913	Brooklands flying 5 miles & 10 miles speed record 26th Nov. (EB Ware - As above) (Cert No 117)
F25-011401	1914	Brooklands 50 mile & 1 hour speed records 28th March. EB Ware (740cc Morgan Cyclecar) (Cert No 126)
F25-011402	1914	Brooklands flying kilometer & flying mile speed record 25th July. EB Ware (Morgan Cyclecar) (Cert No 134)
F25-011403	1914	Brooklands flying 5 miles & standing 10 miles speed records 25th July. EB Ware (Morgan) (Cert No 136)
F25-013091	1930	Southport foreshore flying kilometer 4th Oct. SMC certificate HC Lones (996cc Morgan tri-car)

Sporting Events – miscellaneous

F25-021201	1912-19	Successes of the Morgan Runabout 1912 to 1919. Photographic copy of boards at Morgan Factory. Lists awards gained each year in various events.
F25-021401	1914	ACU Six Days Trial July. Event programme with guide to Trial. Daily itinerary, list of hills, map of routes & list of entries.
F25-022901	1929	Letter from AV Ebbelwhite (Brooklands handicapper & official starter) to Clive Lones. June '29. Ref; availability of the track for record attempts.
F25-022902	1929	Handwritten note from AV Ebbelwhite to Clive Lones with performance figures. 23rd June. Various Class 1 records achieved at Brooklands (498cc Morgan JAP)
F25-023001	1930	Letter from Col Lindsay Lloyd (Official timekeeper & Clerk of the Course for Brooklands) to Clive Lones. Performance figures for Class 1 mile & kilometer records achieved at Brooklands on 4th June. (Lones driving his Morgan-JAP)
F25-023201	1932	BMCRC Brooklands race meeting programme, Grand Prix Day, 23rd July. Clive Lones' personal copy.
F25-023501	1935	Donnington Race Meeting, Whitsun. Map of track plus written details of specifications etc. Performance details of McEvoy Special & Morgan 1096cc Zoller-supercharged JAP.
F25-026301	1963	Cadwell Park race meeting, Vincent Owners Club 24th Aug. Details of meeting, map & lap charts. MTWC duplicated handwritten details by Mike Guess.
F25-026901	1969	Autodrome de Monthery race meeting, Coupes de l'age d'or, Coupe des 1,100 & Coupe A. Morel 1st June (amended to October). Programme/entry form plus list of French historic motor clubs. (In French)
F25-026902	1969	Correspondence relating to entry for Monthery race meeting inc list of members attending Some letters in French.
F25-027001	1970	Prescott Hill-Climb programme. 25th members meeting & Morgan 60th Anniversary. June 7th. Inc details of Morgan 3 & 4 wheeler classes (27 3-wheeler entries) & brief histories of Morgan & Clubs.
F25-027401	1974	Nurburgring race meeting programme, 9th - 11th August. Inc details of Morgan race (18 entries) In German.
F25-027501	1975	Mallory Park race meeting 11th May. Programme cover (photograph with Morgan)
F25-027601	1976	Osterreichring race meeting publicity leaflet. 7/8th Aug. (Inc photo of Stu Harpers racing Morgan)
F25-027602	1976	Shelsey Walsh hill climb Duport Trophy meeting 14/15th Aug. Programme of Event. Includes articles on MSCC & MTWC.
F25-027701	1977	Amaroo Park Raceway, Sydney, Australia, race meeting 29/30th January. Programme cover and Morgan 3-wheeler article only.

F25-027702	1977	Nurburgring race meeting, 13/14th August. Computer print-out of race results
F25-028401	1984	Mallory Park VMCC race meeting, 5th August. Programme including 3-wheeler race.
F25-029501	1995	Donnington Park VSCC race meeting, 1st October. MTWC information sheet & entry form.

MTWC Events, letters and miscellaneous literature

F26-015101	1951	Madresfield Sprint, May 6th - reports, results, periodical cuttings.
F26-015301	1953	Madresfield Speed Trial, April 12th - entry form, Bulletin report including results.
F26-015401	1954	Madresfield Speed Trial, April 25th - entry form, Bulletin report including results.
F26-015501	1955	MTWC Rally & Speed Trial, June 11/12th - Announcement, jurisdiction & Event details
F26-015601	1956	Announcement of Road Trial & Honeybourne Sprint, June 24th. Plus proposal regarding subscriptions.
F26-015701	1957	Malvern Propaganda Rally, 6/7th July - Announcement, jurisdiction & Event details.
F26-015801	1958	Speed Trials, Shonnington Airfield, April 27th - Announcement, jurisdiction, Event details.
F26-016201	1962	Sixth National Cyclecar Rally "The Malvern", 16/17th June. Promotional poster.
F26-016401	1964	Church Lawford Sprint, May 17th - programme including list of entrants.
F26-016601	1966	Church Lawford Sprint, May 15th - programme including list of entrants.
F26-016801	1968	Gaydon Sprint, May 12th - programme including list of entrants.
F26-017001	1970	Gaydon Sprint, May 17th - Announcement & programme.
F26-017401	1974	Woodvale Traction Engine & Vintage Vehicle Rally, 10th August. Programme & entry form.
F26-018201	1982	Long Marston Sprint, Sept 25th - regulations & entry form.
F26-018401	1984	75th Anniversary (MMC) Prescott & Eastnor. Letter from M.M.Co & entry forms.
F26-019501	1995	MTWC 50th Anniversary Dinner/Dance September 25th. Menu & tickets.

LETTERS

F26-023101	1931	Comparison of running costs by prospective buyer - Austin 7 v Morgan.
F26-024101	1941	Letter ref coupling brakes, June 19th. Includes sketch showing layout with instructions.
F26-024102	1941	Letter, July 31st, from W.Seaman. Regarding installation of coupled brakes & modification required.
F26-024401	1944	Letter from W.Seaman to Mr Morris July 12th ref modifications & addition to Register list.
F26-024402	1944	Letter from W.Seaman to Mr Morris, Oct 24th ref spline wear & carburation.
F26-024501	1945	Receipts & cheque stubs signed by SG Withers - PE Budd.
F26-024601	1946	Letter from Clive Lones, Jan 8th, to W.Sharman ref sale of Blackburne engine.
F26-024602	1946	Letter from Clive Lones, Jan 28th, to W.Sharman following sale of Blackburne. Includes engine spec.
F26-024701	1947	Letter from AT Ashford with copy of article on fitting hydraulic brakes.
F26-025501	1955/6	Rules of the Morgan Three-Wheeler Club signed PE Budd.
F26-025701	1957	Letter from Noel Jones, Aug 8th, to Clarrie Coombes ref Novices Notebook.
F26-025901	1959	Letter from Bob Campbell re mention of Morgans in local paper.
F26-026301	1963	Postcard to Tom Piercy re Bulletin cost. Card depicts winner 1938 Senior T.T.
F26-026302	1963	Christmas cards - M.Guess @ Silverstone & Sporting model.
F26-026401	1964	Invoices from Itchen Valley Motors. Prices of sprocket drum, sprocket, chains & silencers.
F26-026701	1967	Letter & article from GT Preece, Aug 31st, re Berkshire Constabulary use of Morgan.
F26-026801	1968	Letter from Brian Watts Oct 2nd, ref Morgans sold to USA. Copy letter from L. Kraus ref sales.
F26-026901	1969	Letter from Clive Lones, Nov 10th, to Brian Watts ref engines etc.
F26-027001	1970	Letter from Will Francies, Sept 16th to Brian Watts ref glass negatives & Mr Simmons Morgan.
F26-027101	1971	Letter from Steve Uprichard, Feb 1st, with copy of AA letter 1935 on road safety & new regs.
F26-027102	1971	Letter from Gregory Houston Bowden July 20th, ref his book. Also letter P.Morgan to B.Watts.
F26-027401	1974	Letter from Richard Laird, May 24th, re photographs (34/16, 34/17, 34/18, 34/19) sent.
F26-028001	1980	Telegram from John Sheally to Alan Lazenbury re 3,328 miles in 1935 MX4, & response.
F26-029501	1995	Letters regretting not able to attend 50th Birthday Celebrations from Jim Gill & David Farrow.
F26-029502	1995	Letters accepting invitation to 50th Birthday Celebrations from Mike Guess & Robin Webb.
F26-029503	1995	Letters declining invitation to 50th Birthday Celebrations from C.Hale & Robin Rew.
F26-029504	1995	Letters declining invitation to 50th Birthday Celebrations from Brian Watts & Eric Eadon.
F26-029505	1995	Letters accepting invitation from Trevor Gill & John Evans. Message declining from Eric Walpole.
F26-029506	1995	Letters re invitation to 50th Birthday Celebrations from John Gillender & LR Green.
F26-02xxx		Letter from J.C.Tarring ref clutch & bevels on 1928 Aero
F26-02xxx		Letter from J.C.Tarring to Clarrie Coombes ref clutch on 1928 Aero

MISCELLANEOUS

F26-037701	1977	Calendar "The Vintage Years". Contains 6 period photographs from Club Collection.
F26-037901	1979	Calendar. Includes 7 photographs from Club Collection.
F26-040001		Designs for cover of booklet "A Catalogued History of the Morgan"
F26-040002		Designs for Club badges, Morgan +4 Club & MTWC, front view of Twin & F-type.
F26-040003		Letter ref VN2810, Lairds "Yellow" & re photograph WW2/04

MISCELLANEOUS TECHNICAL ARCHIVE

<u>F27-010001</u>	Clarrie Coombes' Manufacturing Method Layouts Detailed "setting up" instructions for manufacture of various parts.
<u>F27-010002</u>	David Browne's Aero Notes Sketches & dimensions of body detail, linkages & other items.
F27-010003	David Browne's "C" type Notes Sketches & dimensions of body detail, linkages & other items.
F27-010004	Book of the Morgan Addendum Pete Thompspon