



THE UNIVERSITY OF MELBOURNE ARCHIVES

NAME OF COLLECTION	Michell, Anthony George Maldon (1870-1959)
ACCESSION NO	107/68
CATEGORY	University, individuals
ACTIVITY	Engineers
DATE RANGE	1920-1970
SIZE OF COLLECTION	2,515 items, 10 drawers

**HISTORICAL
NOTE**

Anthony George Maldon (A.G.M.) Michell was born in Islington, London on 21 June 1870. He studied Civil and Mining Engineering at the University of Melbourne, where he graduated with first-class honours (B.C.E., 1895; M.C.E., 1899). He achieved fame with the invention of the Michell Thrust Bearing, which enabled the building of larger and faster ships. He also invented a centrifugal pump (patented 1901), a viscometer and a scheme for hydrolic power transmission. At the age of 80 he published *The Principles of Lubrication*.

The patent application for the crankless engine was made on 19 June 1917. Crankless Engines (Australia) Pty Ltd was established 24 August 1920 to develop the designs, manufacture prototypes and secure licences from overseas manufacturers for large-scale production. Crankless Engines operated from a factory at 129-131 Greeves Street, Fitzroy, Melbourne. The name of the company changed to Crankless Engines Limited when it became a public company on 6 March 1924. The company ceased operations in Melbourne in 1928, although designing and manufacturing proceeded in England and the USA, primarily under George Waller and Sons of Stroud, Hampshire.

In private practice, Michell was a consultant to the Mount Lyell Mining and Railway Company Limited, designing the pumping machinery for the Murray Valley irrigation works, as well as acting as investigator for the Victorian government of the hydroelectric possibilities of the Kiewa River.

Michell became a fellow of the Royal Society in 1934, received the University of Melbourne's Kernot memorial medal in 1938 and was awarded the James Watt International medal by the Institution of Mechanical Engineers (UK) in 1943.

He passed away in Melbourne on 17 February 1959. On his death Michell left his estate to A.J. Seggel, a former workshop manager in the Fitzroy factory, who subsequently bequeathed the technical drawings to the University of Melbourne Engineering department with various model engines retained there (one of which is referred to in the collection as CE 17). They were subsequently transferred to the University of Melbourne Archives in 2007.

Two other noteworthy people are associated with this collection. P.E. Irving worked as a draftsman for the company from 1922 and his signature features on some of the drawings. He went on to design the Vincent motorcycle after World War Two and the Repco Brabham V8 engine, 1966, which won the Formula One championships.

Louis Sherman was Michell's designer and representative in England. Two of the machines that he designed, an 800-horsepower petrol engine (1929) and a 2000-horsepower opposed piston diesel engine (1943) are held by the Smithsonian Institute, Washington and an automobile engine built in 1923 is held with Museums Victoria.

References:

Afrasiabi, Samira and Stockley, Anna, final year project, "Significance Assessment of the Michell Crankless Engine Collection," Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, University of Melbourne, 20 September 2006.

Walker, Sydney, "Michell, Anthony George Maldon (1870 - 1959)", *Australian Dictionary of Biography, Volume 10*. Melbourne: Melbourne University Press, 1986, pp. 492-494.

DATE OF TRANSFER	1 December 2007
ACCESS CONDITIONS	Open
DESCRIPTION	2,508 drawings of parts of engines, 1920 – 1929.
NOTE ON COLLECTIONS	<p>Most of the drawings are identified by an engine number (CE...), part number (often several on each item), and drawing number that usually corresponds to a chronological order. Drawing numbers that begin with the letters “SK” usually correspond to sketches, proposed or draft plans. Three drawings have drawing numbers that begin with “MC”, which appear to be designs associated with the University of Melbourne rather than Crankless Engines, Ltd. Some plans have been given a job number rather than an engine number, but this seems to be simply an earlier version of the same filing practice, phased out in 1922.</p> <p>Those plans that have not been given a CE or part number but have been given a drawing number are usually plans of the general arrangement of a particular engine, named in the title, although there are exceptions to this. The company name changes around 1924 from Crankless Engines (Aus) Pty Ltd to Crankless Engines Limited, although there is considerable overlap around that. Apart from showing the change in company status to a publicly-listed company, there does not seem to be any other significance attached to that identifier.</p> <p>The date range usually refers to the date that the plan has been drawn (earlier date) and the date that it was approved (later date).</p> <p>A number of plans were cancelled, and revised plans drawn to replace them. These have been recorded in the notes section.</p> <p>There are a number of brochures, reports and a photograph attached to the collection that do not seem immediately connected with AGM Michell, although loose associations may be inferred from the historical note. The collection also contains photocopies of agreements made with Michell or Crankless Engines, Ltd.</p> <p>See also Accession 91/74, the University of Melbourne Department of Civil Engineering for more information on AGM Michell.</p>
NOTE ON LISTING	<p>The plans have been arranged first by size (small, then large drawings), then roughly by drawing number, which corresponds loosely to a chronological order. This means that CE numbers (representing particular engines) are dispersed.</p> <p>Plans that were drawn or traced by AGMM (Michell), PEI (Irving), RWGM, JWS or TLS have been noted as such because they are noteworthy persons. Blueprints have also been noted.</p> <p>Some items are missing particular descriptors, because those descriptors were not provided on the item itself.</p> <p>Unless otherwise stated, measurements are in inches.</p>
LISTED BY	NB: Item numbers 2007.0068.00011 - 2007.0068.00017 added to this list June 2022 Katie Wood
DATE	8 September 2008

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Series Number	Series Title	Series Date Range
1	Crankless Engine Plans	1920-1970

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
Brochure			The Mount Lyall Mining and Railway Company Limited		1970	Unnumbered first sleeve,	inc coloured photos of mine operations
Report			An inexpensive ti axial apparatus for testing mine rock	US Department of the Interior	1963	Unnumbered first sleeve,	
Photograph			b/w photograph (roughly A3) truck moving earth		17.4.1931	Unnumbered first sleeve,	no notes
Photocopies			Agreements - Michell Crankless Engineering Co. Ltd. and Thomas Smith; Investments and Land Owners Ltd and Michell et al		21.2.1931		A3 photocopied sheets
		13 Fg	Forging Drawing for 8 x 4 3/4 x 5 5/8 Gas Engine Slant	Crankless Engines (Aus) Pty Ltd		sleeve 1	
		15 Fg	Forging Drawing for 8 x 9 3/8 x 8 Crankless Gas Booster Slant	Crankless Engines (Aus) Pty Ltd		sleeve 1	
CE 18(?)4		16 SK	Engine Mounting 12 H.P. Austing Chasis	Crankless Engines Ltd	6.2.1925	sleeve 1	
		17 F	Test Bed Angle Part	Crankless Engines (Aus) Pty Ltd	20.8.1923 - 21.8.1923	sleeve 1	
		20 F	Modification to Existing Camshaft, Grinding Attachment for Grinding Camshaft	Crankless Engines (Aus) Pty Ltd	10.9.1923	sleeve 2	
		SK 39	Michell Double Thrust Bearing	Crankless Engines Ltd	29.10.1924	sleeve 2	
CE 100		21 F	Master Cam Profile 8 x 4 3/4 x 5 5/4 Gas Engine	Crankless Engines (Aus) Pty Ltd	11.9.1923	sleeve 3	Drawn TLS
CE 127		35 F	Master Cam for 8 x 5 1/2 x 1/2 Gas Engine	Crankless Engines (Aus) Pty Ltd	7.10.1924	sleeve 3	
CE 153		74 SK	Proposals for Reconstruction of Piston Unit Serial No 45	Crankless Engines Ltd		sleeve 4	
CE 142		SK 65	Modifications to Rotary Valve For Further Machining particulars ... 1891	Crankless Engines Ltd	7.4.1927	sleeve 4	KJRL 6.4.27, ARC 7.4.27
CE 142		SK 70	Modifications to Rotary Valve Adjusting Strips Shown Cross-hatched	Crankless Engines Ltd	29.9.1926	sleeve 4	ARC 29.9.26
		SK 83	Sketch Showing Assembly of Michell Thrust Bearing Type 7S	Crankless Engines Ltd	9.9.1927	sleeve 5	ARC 9.9.27, KJRL 9.9.27
		156	Slant Forging. 2% Nic.C.H. Steel	Crankless Engines Ltd	16.7.1927	sleeve 5	ARC 18.7.27, KJRL 16.7.27
CE 162		SK 89	Sketch Showing Modified Fuel Atomizer	Crankless Engines Ltd	15.6.1928 - 22.4.1929	sleeve 5	ARC and KJRL
CEA		9	Gears for Crankless Air Compressor	Crankless Engines (Aus) Pty Ltd	30.9.1920	sleeve 6	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CEA		5	8 Cylinder 2 3/4 x 2 7/8 Crankless Compressor Jig for Turning Pistons	Crankless Engines (Aus) Pty Ltd	2.9.1920	sleeve 6	
CEA		12	Alterations to Lathe	Crankless Engines (Aus) Pty Ltd	5.10.1920	sleeve 6	
CEA		15	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor Detail of Drive Plate	Crankless Engines (Aus) Pty Ltd	12.10.1920	sleeve 6	
CEA		19	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor Details of Bearings, Oil Pump Cover and Nozzles	Crankless Engines (Aus) Pty Ltd	20.10.1920	sleeve 6	
CEA		22	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor Castings for Packing Rings and Surface Plate	Crankless Engines (Aus) Pty Ltd	31.11.1920	sleeve 6	
CEA		24	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor Casting for Bushes of Slipper Cups	Crankless Engines (Aus) Pty Ltd	11.11.1920	sleeve 6	
CEA		30	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor for New South Wales Railway Commissioners	Crankless Engines (Aus) Pty Ltd	14.1.1921	sleeve 6	
CEA		31	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor Detail of Thrust and Journal Bearing	Crankless Engines (Aus) Pty Ltd	14.1.1921	sleeve 6	
Job 3		35	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor for New South Wales Railway Commissioners Detail of Drive Plate	Crankless Engines (Aus) Pty Ltd	14.1.1921	sleeve 6a	
Job 3		39	Air Strainer	Crankless Engines (Aus) Pty Ltd	3.3.1921	sleeve 6a	
Job 3		44	Detail of Slipper Block and Slipper Cup	Crankless Engines (Aus) Pty Ltd	15.3.1921	sleeve 6b	revised 8.6.1921, for details of piston see drawing number 58
Job 3		42	Details of Shaft, Coupling and Pulleys	Crankless Engines (Aus) Pty Ltd	11.3.1921	sleeve 6b	revised 3.8.1921
Job 4		47	7 x 1 7/8 x 1 1/8 Crankless Oil Pump. Detail Sheet No. 1	Crankless Engines (Aus) Pty Ltd	29.4.1921	sleeve 6b	
Job 3		32	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor Covers for Air and Oil Strainers	Crankless Engines (Aus) Pty Ltd	14.1.1921	sleeve 7	
Job 3		33	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor C.I. Castings for Air and Oil Strainers	Crankless Engines (Aus) Pty Ltd	14.1.1921	sleeve 7	
Job 3		34	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor Brass Castings for Air and Oil Strainers	Crankless Engines (Aus) Pty Ltd	14.1.1921	sleeve 7	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
Job 3		40	Oil Separator	Crankless Engines (Aus) Pty Ltd	3.3.1921	sleeve 7	revised 1.8.1921, see drawing no. 39 - air strainer - for missing dimensions
Job 3		43	Casting for Slipper Block	Crankless Engines (Aus) Pty Ltd	12.3.1921	sleeve 7	
Job 3		46	Casting for Valve End-Rings	Crankless Engines (Aus) Pty Ltd	15.4.1921	sleeve 7	
Job 4		48	Suction and Delivery Flange - 2 Off	Crankless Engines (Aus) Pty Ltd	29.4.1921	sleeve 7	
Job 3		52	Box spanner and Adjusting Tool	Crankless Engines (Aus) Pty Ltd	7.6.1921	sleeve 7	
Job 3		56	Valve Clutch-M. Steel and Alteration to Valve for Fitting Same	Crankless Engines (Aus) Pty Ltd	4.7.1921	sleeve 7	
Jobs 1 and 3		53	Oil Supply Tank	Crankless Engines (Aus) Pty Ltd	9.6.1921	sleeve 7	
Job 3 Machine 4		61	8 x 2 3/4 x 2 7/8 Crankless Air Compressor General Arrangement	Crankless Engines (Aus) Pty Ltd	17.8.1921	sleeve 7	
Job 3 Machine 4		61	8 x 2 3/4 x 2 7/8 Crankless Air Compressor General Arrangement	Crankless Engines (Aus) Pty Ltd	17.8.1921	sleeve 7	copy of previous plans (blueprint?)
Job 3		51	Detail of Oil Strainer	Crankless Engines (Aus) Pty Ltd	2.6.1921	sleeve 7a	
Job 3		57	Oil Supply Relief Valve	Crankless Engines (Aus) Pty Ltd	3.8.1921	sleeve 7a	
Job 3		62	Air Vent	Crankless Engines (Aus) Pty Ltd	23.8.1921	sleeve 8	
Job 3		74	Brass Bell	Crankless Engines (Aus) Pty Ltd	4.1.1922	sleeve 8	
Job 4		69	7 x 1 7/8 x 1 1/8 Crankless Oil Pump General Arrangement	Crankless Engines (Aus) Pty Ltd	12.10.1921	sleeve 8	
Job 4		69	7 x 1 7/8 x 1 1/8 Crankless Oil Pump General Arrangement	Crankless Engines (Aus) Pty Ltd	12.10.1921	sleeve 8	copy of previous plans (blueprint?)
Job 5		67	8 x 1 1/2 x 1 1/16 Crankless Air Compressor General Arrangement	Crankless Engines (Aus) Pty Ltd	6.10 ?	sleeve 8	cannot read date
Job 5		76	Oil Ejector	Crankless Engines (Aus) Pty Ltd	12.1.1922	sleeve 8	
Job 7		65	Detail of Steam Inlet Cover	Crankless Engines (Aus) Pty Ltd	3.10.1921	sleeve 8	
Job 3		73	Automatic Oil Return From Serrator to Tank	Crankless Engines (Aus) Pty Ltd	4.1.1922	sleeve 8	

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C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
Job 7		81	Altered Valves and Cylinder Heads	Crankless Engines (Aus) Pty Ltd	22.2.1922	sleeve 8	
Job 13		85	Disc 1 Off - 3% N.I. Steel	Crankless Engines (Aus) Pty Ltd	3.4.1922	sleeve 8	
Job 15		92	Grease Testing Instrument	Crankless Engines (Aus) Pty Ltd	24.4.1922	sleeve 8	
		91	Alteration to Existing Pattern	Crankless Engines Limited	21.4.1922 - 6.5.1929	sleeve 8	
CE (Gen)		101	General Arrangement of 800 H.P. Crankless Two Stroke Diesel Engine and Centrifugal Pump	Crankless Engines (Aus) Pty Ltd	19.7.1923	sleeve 8	blueprint? Copy
		102	Fluid Transmission Gear Pump Unit. Detail of Pistons and Thrust Pads	Crankless Engines (Aus) Pty Ltd	21.12.1922	sleeve 8	AGMM 31.10.19
		104	Fluid Transmission Gear Motor Unit. Detail of Pistons and Thrust Pads	Crankless Engines (Aus) Pty Ltd	21.12.1922	sleeve 8	AGMM 31.10.19
Job 13		83	Housing and Cover	Crankless Engines (Aus) Pty Ltd	6.3.1922	sleeve 8a	
Job 14		90	Detail of End Cover and High Pressure Valves	Crankless Engines (Aus) Pty Ltd	21.4.1922	sleeve 8a	
Job 14		91	Alteration to Existing Pattern	Crankless Engines (Aus) Pty Ltd	21.4.1922	sleeve 8a	
		109	Michell Thrust Bearing Type "S" - Size No. 2	Crankless Engines (Aus) Pty Ltd	24.1.1923	sleeve 9	
		110	Michell Thrust Bearing Type "A"	Crankless Engines (Aus) Pty Ltd	25.1.1923	sleeve 9	
CE (Gen)		101	General Arrangement of 800 H.P. Crankless Two Stroke Diesel Engine and Centrifugal Pump	Crankless Engines (Aus) Pty Ltd	19.7.1923	sleeve 9	
Job 14		97	... and Pipe Corrections	Crankless Engines (Aus) Pty Ltd	8.8.1922	sleeve 9	
		111	8 Cylinder Vertical Compound Crankless Steam Engine	Crankless Engines (Aus) Pty Ltd	8.2.1923	sleeve 9	drawn by J.W. Serres 2.2.23, blueprint? Copy of below
CE (Gen)		112	9 Cylinder 3 1/2 x 4 3/4 Stroke Crankless Oil Pump General Arrangement	Crankless Engines (Aus) Pty Ltd	26.9.1923	sleeve 9	
CE (Gen)		112	9 Cylinder 3 1/2 x 4 3/4 Stroke Crankless Oil Pump General Arrangement	Crankless Engines (Aus) Pty Ltd	26.9.1923	sleeve 9	blueprint? copy of previous
		112	8 Cylinder Vertical Compound Crankless Steam Engine. General Arrangement of Engine and Centrifugal Pump	Crankless Engines (Aus) Pty Ltd	8.2.1923	sleeve 9	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		112	8 Cylinder Vertical Compound Crankless Steam Engine. General Arrangement of Engine and Centrifugal Pump	Crankless Engines (Aus) Pty Ltd	8.2.1923	sleeve 9	blueprint? copy of previous
		111	8 Cylinder Vertical Compound Crankless Steam Engine	Crankless Engines (Aus) Pty Ltd	8.2.1923	sleeve 9	drawn by J.W. Serres 2.2.23,
CE (Gen)		126	Outline of Design of 10 Cylinder 4 Bore x 3 Stroke Crankless Supercharging Compressor	Crankless Engines Ltd	27.5.1925?	sleeve 10	
		117	Michell Thrust Bearing Type "S" - Size No. 8. General Arrangement	Crankless Engines (Aus) Pty Ltd	2.3.1923	sleeve 10	
Job 19		113	Michell Thrust Bearing Type "S" - Size No. 4 Full Size	Crankless Engines (Aus) Pty Ltd	9.2.1923	sleeve 10	
Job 19		114	Michell Thrust Bearings Type "S" - Size No. 4 General Arrangement and Collar Details	Crankless Engines (Aus) Pty Ltd	12.2.1923	sleeve 10	
CE (Gen)		126	Outline of Design of 10 Cylinder 4 Bore x 3 Stroke Crankless Supercharging Compressor	Crankless Engines Ltd	27.5.1925?	sleeve 10	blueprint? Copy
CE (Gen)		127	Outline Design of Variable Stroke Crankless Pump	Crankless Engines Ltd	18.4.1925	sleeve 10	
CE (Gen)		127	Outline Design of Variable Stroke Crankless Pump	Crankless Engines Ltd	18.4.1925	sleeve 10	Blueprint copy of previous
CE 16	2, 4	203	Sleeve Valve and Sleeve-Valve Bolt and Nut	Crankless Engines (Aus) Pty Ltd	4.6.1922 - 4.7.1922	sleeve 10	
CE 16	5	205	Cylinder Head	Crankless Engines (Aus) Pty Ltd	1.7.1922 - 4.7.1922	sleeve 11	
CE 16	6	206	Piston	Crankless Engines (Aus) Pty Ltd	31.5.1922 - 7.6.1922	sleeve 11	
CE 16	13, 14	209	Slipper and Slipper Ball	Crankless Engines (Aus) Pty Ltd	16.6.1922 - 4.7.1922	sleeve 11	
CE 16	15, 16, 17, 18, 19	210	Cage Guide Bracket, Cage Guide Bracket Stud, Cage Guide Bracket Nut, Cage Guide Bracket Bush and Cage Guide Bracket Cap	Crankless Engines (Aus) Pty Ltd	31.5.1922 - 4.7.1922	sleeve 11	
CE 16	34	217	Slant	Crankless Engines (Aus) Pty Ltd	24.8.1922 - 30.8.1922	sleeve 11	
CE 16	26	217A	Cage	Crankless Engines (Aus) Pty Ltd	20.8.1922 - 28.8.1922	sleeve 11	
CE 16	49	224	Rear Bearing Housing	Crankless Engines (Aus) Pty Ltd	17.8.1922 - 19.8.1922	sleeve 11	
CE 16	51	226	Crankcase Cover (Guide)	Crankless Engines (Aus) Pty Ltd	11.7.1922 - 17.7.1922	sleeve 11	
CE 16	52	227	Cage Guide	Crankless Engines (Aus) Pty Ltd	11.7.1922 - 17.7.1922	sleeve 12	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 16	64, 68, 69, 86	230	Oil Pump Bush (Flanged and Plain), Oil Pump Cover, Oil Pump Drain Plug	Crankless Engines (Aus) Pty Ltd	7.8.1922	sleeve 12	
CE 16	66	231	Pressure Pump Body	Crankless Engines (Aus) Pty Ltd	8.8.1922 - 19.8.1922	sleeve 12	
CE 16	87, 88	232	Pressure Pump Cover (Top) and Distributor Body	Crankless Engines (Aus) Pty Ltd	11.8.1922 - 19.8.1922	sleeve 12	
CE 16	65	233	Oil Pump Body	Crankless Engines (Aus) Pty Ltd	18.7.1922 - 20.7.1922	sleeve 12	
CE 16	63, 63a	234	Oil Pump Cover (Top) and Oil Pump Filter	Crankless Engines (Aus) Pty Ltd	20.7.1922	sleeve 12	
CE 16	70	236	Main Gearwheel	Crankless Engines (Aus) Pty Ltd	14.8.1922 - 19.8.1922	sleeve 12	
CE 16	75	239	Annulus	Crankless Engines (Aus) Pty Ltd	18.8.1922 - 19.8.1922	sleeve 12	
CE 16	78	240	Planet Cage (Rear)	Crankless Engines (Aus) Pty Ltd	15.8.1922 - 19.8.1922	sleeve 12	
CE 16	85	244	Plug For Cyliner Block	Crankless Engines (Aus) Pty Ltd	6.7.1922 - 7.7.1922	sleeve 12	
CE 16	11	245	Pressure Rings	Crankless Engines (Aus) Pty Ltd	18.7.1922 - 20.7.1922	sleeve 12	
CE 16	32	411	Camshaft Gear Wheel	Crankless Engines (Aus) Pty Ltd	5.10.1922 - 11.10.1922	sleeve 12	
CE 16	32, 33, 34	412	Upper Camshaft Bush, Lower Camshaft Bush, Lower Camshaft Bush Housing	Crankless Engines (Aus) Pty Ltd	5.10.1922 - 11.10.1922	sleeve 12	
CE 16	48	414	Thrust Bearing Washer	Crankless Engines (Aus) Pty Ltd	12.10.1922 - 14.10.1922	sleeve 12	
CE 16	65, 66, 67, 68	418	Valve Rocker, Push Pad Seat, Valve Rocker Set-screw, Valve Rocker Bush	Crankless Engines (Aus) Pty Ltd	18.10.1922 - 19.10.1922	sleeve 12	
CE 16	69, 70	419	Bevel Shaft Bush (Top), Bevel Shaft Bush (Bottom)	Crankless Engines (Aus) Pty Ltd	18.10.1922 - 25.10.1922	sleeve 12	
CE 16	12, 13	423	Pressure Ring, Scraper Ring	Crankless Engines (Aus) Pty Ltd	30.10.1922	sleeve 12	
CE 17	4	400	Piston	Crankless Engines (Aus) Pty Ltd	8.9.1922 - 11.9.1922	sleeve 12a	Drawn TLS
CE 17	5	403	Piston Yoke	Crankless Engines (Aus) Pty Ltd	8.9.1922 - 21.9.1922	sleeve 12a	
CE 17	6, 7, 8, 9	410	Slipper Tail Guide, Yoke Slipper, Slipper, Slipper Cup	Crankless Engines (Aus) Pty Ltd	8.9.1922 - 11.10.1922	sleeve 12a	Drawn TLS
CE 17 and 21	90	425	Slant	Crankless Engines (Aus) Pty Ltd	23.10.1922 - 30.10.1922	sleeve 12a	Traced PEI
CE 17 and 21	100, 101	427	Baffle Cover, Bevel Shaft Cover	Crankless Engines (Aus) Pty Ltd	1.11.1922 - 6.11.1922	sleeve 13	Drawn TLS, Traced PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 17 and 21	108, 109	429	Valve Cover, Valve Cover Nut	Crankless Engines (Aus) Pty Ltd	6.11.1922	sleeve 13	Drawn TLS, Traced PEI
CE 17 and 21	54, 102, 103	430	Thrust Bearing Distance Piece, Main Shaft Distance Piece, Main Bearing Distance Piece	Crankless Engines (Aus) Pty Ltd	4.11.1922 - 6.11.1922	sleeve 13	Drawn TLS, Traced PEI
CE 17	92, 105, 106, 107	431	Pressure Pump Cover, Pump Cover - Body Bolts, Pump Cover - Body Nuts, Pump - Slantcase Studs	Crankless Engines (Aus) Pty Ltd	4.11.1922	sleeve 13	Traced PEI
CE 17 and 21	104, 111, 111, 110	433	Main Oil Jet, Main Oil Union, Main Oil Union Nut, Valve Cover Stud	Crankless Engines (Aus) Pty Ltd	6.11.1922 - 15.11.1922	sleeve 13	Drawn and Traced PEI
CE 17 and 21	85, 84, 83	434	Camshaft Nut, Camshaft Thrust Washer, Camshaft Driving Pin	Crankless Engines (Aus) Pty Ltd	8.11.1922 - 15.11.1922	sleeve 13	Drawn TLS, Traced PEI
CE 17 and 21	112, 113, 114, 115, 116, 117, 118	436A	Cylinder Block Studs, Cylinder Block Bolts, Cylinder Head Studs, 3/8 Nuts, 1/4 Nuts, Top Cover Studs	Crankless Engines (Aus) Pty Ltd	11.11.1922 - 15.11.1922	sleeve 13	Drawn TLS, Traced PEI
CE 17	123, 121, 122	437	Slipper Plug, Yoke Connecting Bolts, Yoke Connecting Studs, Yoke Connecting Nuts	Crankless Engines (Aus) Pty Ltd	13.11.1922	sleeve 13	Drawn and Traced PEI
CE 17 and 21	124, 125	438	Small Exhaust Pipe Gland, Large Exhaust Pipe Gland	Crankless Engines (Aus) Pty Ltd	14.11.1922 - 15.11.1922	sleeve 13	Drawn and Traced PEI
CE 17	134, 135, 132, 133, 136	440	Cylinder Block Plug, Water Pipe Flange, Water Pipe Stud, Water Pipe Nut, Slipper Yoke Pin	Crankless Engines (Aus) Pty Ltd	17.11.1922 - 20.11.1922	sleeve 13	Drawn and Traced PEI
CE 17 and 21	137, 138, 139	441	Side Cover Plate, Side Cover Plate Nuts, Side Cover Plate Studs	Crankless Engines (Aus) Pty Ltd	20.11.1922	sleeve 13	Drawn and Traced PEI
CE 17	140, 141, 142, 143	442	Induction Pipe, Induction Pipe Studs, Carburettor Bolts, 1/4 nuts	Crankless Engines (Aus) Pty Ltd	22.11.1922 - 23.11.1922	sleeve 13	Drawn and Traced PEI
CE 17 and 21	144, 145	443	Bevel Gear Oil Jet, Bevel Gear Oil Jet Nipple	Crankless Engines (Aus) Pty Ltd	23.11.1922	sleeve 13	Drawn and Traced PEI
CE 17 and 21	146	444	Thrust Bearing Oil Jet	Crankless Engines (Aus) Pty Ltd	24.11.1922 - 25.11.1922	sleeve 13	Drawn and Traced PEI
		449	Arrangement of Hopkinson Optical Indicator on 8 x 3 5/10 x 3 1/2 Crankless Petrol Engine	Crankless Engines (Aus) Pty Ltd	25.5.1925	sleeve 13	
CE 17 and 21		450		Crankless Engines (Aus) Pty Ltd	12.12.1922	sleeve 13	
CE 17 and 21	160, 161	455	Induction Pipe Bend, Induction Pipe Tee Branch	Crankless Engines (Aus) Pty Ltd	16.2.1923	sleeve 13	
CE 17	162, 163	458	Thrust Bearing Slipper Block, Thrust Ring, Thrust Washer	Crankless Engines (Aus) Pty Ltd	24.1.1923	sleeve 14	Traced PEI
CE 17 and 21	167, 168	458	Distributor Body, Distributer Head	Crankless Engines (Aus) Pty Ltd	9.3.1923 - 10.3.1923	sleeve 14	Traced PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 21	1, 2, 3, 4, 5, 6, 7, 8	459	Adjustable Slipper Cup, Fixed Slipper Cup, Cup Nuts (Long), Cup Nuts (Short), Adjusting Nut, Cup Locking Plate, Clamping Washer, Locking Plate Stud	Crankless Engines (Aus) Pty Ltd	13.3.1923 - 7.4.1923	sleeve 14	Drawn and Traced PEI
CE 21	9, 10, 11, 12, 13	460	Driving Bevel Wheel, Driven Bevel Wheel, Pinion and Shaft, Pinion Shaft Nut, Pinion Shaft Woodruff Key	Crankless Engines (Aus) Pty Ltd	13.3.1923 - 16.3.1923	sleeve 14	Traced PEI
CE 21	15	462	Piston Yoke (A Design)	Crankless Engines (Aus) Pty Ltd	9.4.1923 - 11.4.1923	sleeve 14	Drawn and Traced PEI
CE 21	21, 22, 23, 24	466	Slipper Cup (B Design), Slipper Cup Lock Nut (B Design), Slipper Cup Locking Washer, Slipper Cup Set Pin	Crankless Engines (Aus) Pty Ltd	17.4.1923 - 21.4.1923	sleeve 14	Drawn and Traced PEI
CE 21	34, 35, 36	472	Slipper, Slipper Tail, Slipper Plug	Crankless Engines (Aus) Pty Ltd	24.4.1923 - 25.4.1923	sleeve 14	Drawn and Traced PEI
CE 21	37, 38, 39, 40	473	Yoke Slipper, Slipper Tail Guide Pin, Piston Stud, Yoke Slipper Spring	Crankless Engines (Aus) Pty Ltd	25.4.1923 - 28.4.1923	sleeve 14	Drawn and Traced PEI
CE 21	41	474	Thrust Ring	Crankless Engines (Aus) Pty Ltd	27.4.1923 - 1.5.1923	sleeve 14	Drawn PEI
CE 101	1	475	Piston	Crankless Engines (Aus) Pty Ltd	30.4.1923 - 7.5.1923	sleeve 14	
CE 17		490	8 Cylinder 3.312 Bore x 3.51 Stroke Crankless Petrol Engine - Longitudinal Section	Crankless Engines (Aus) Pty Ltd	18.4.1923	sleeve 14a	On cardboard
CE 17		492	8 Cylinder 3.312 Bore x 3.51 Stroke Crankless Petrol Engine - Center Section through Slantcase and Front End View	Crankless Engines (Aus) Pty Ltd	7.4.1923	sleeve 14a	On cardboard
CE 21	43, 44	483	Push Rod Cup End, Ball Adjusting Screw	Crankless Engines (Aus) Pty Ltd	21.5.1923	sleeve 15	Drawn and Traced PEI
CE 101	14	486	Delivery Valve Seat (Inner)	Crankless Engines (Aus) Pty Ltd	16.5.1923 - 2.7.1923	sleeve 15	Drawn JWS
CE 101	13	487	Delivery Valve (Inner)	Crankless Engines (Aus) Pty Ltd	16.5.23 - 24.5.1923	sleeve 15	Drawn JWS
CE 21	46, 47, 48	488	Slant Oil Jet, Slant Oil Jet Clip, Oil Jet Clip Screw	Crankless Engines (Aus) Pty Ltd	22.5.1923 - 25.5.1923	sleeve 15	Drawn PEI
CE 102	1, 2	489	Oil Pump Body (Top), Oil Pump Body (Bottom)	Crankless Engines (Aus) Pty Ltd	30.5.1923 - 1.6.1923	sleeve 15	
CE 101	4	501	Slipper Cup	Crankless Engines (Aus) Pty Ltd	30.4.1923 - 1.6.1923	sleeve 15	Drawn JWS
CE 101	7, 8	502	Piston Bolt, Piston Bolt Nut	Crankless Engines (Aus) Pty Ltd	30.4.1923 - 1.6.1923	sleeve 15	Drawn JWS
CE 102	3	503	Oil Pump Piston	Crankless Engines (Aus) Pty Ltd	2.6.1923 - 4.6.1923	sleeve 15	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		513	Preliminary Layout of 8 x 9 3/8 diam x 8 Stroke Crankless Gas Booster	Crankless Engines (Aus) Pty Ltd		sleeve 15	
CE 21-51		515	8-Point Distributor Cam	Crankless Engines (Aus) Pty Ltd	11.6.1923	sleeve 15	
CE 100	34	516	Valve Rocker	Crankless Engines (Aus) Pty Ltd	8.6.1923 - 9.6.1923	sleeve 15	Drawn TLS
CE 101	27	518	Outer Bearing Cap	Crankless Engines (Aus) Pty Ltd	5.6.1923 - 9.6.1923	sleeve 15	Drawn TLS
CE 102	8, 12, 13, 14	520	Gland Nut, Driving Shaft, Slipper Pad, Valve Spring	Crankless Engines (Aus) Pty Ltd	14.6.1923 - 14.6.1923	sleeve 15	
CE 102	9, 10, 11	521	Slant (1/4 Stroke), Slant Location Screw, Main Shaft Distance Piece	Crankless Engines (Aus) Pty Ltd	13.6.1923 - 14.6.1923	sleeve 15	
CE 102	4, 5, 6, 7	522	Slipper Cup, Cylinder Plug, Valve Seat, Valve	Crankless Engines (Aus) Pty Ltd	12.6.1923 - 14.6.1923	sleeve 16	
		524	Proposed Piston-Yoke Connection for 800 H.P. Diesel Engine	Crankless Engines (Aus) Pty Ltd		sleeve 16	
CE 101	34	525	Trunion Driving Dog	Crankless Engines (Aus) Pty Ltd	13.6.1923 - 18.6.1923	sleeve 16	Drawn JWS
CE 101	35, 23	526	Valve Driving Plate, Valve Driving Plate Spring	Crankless Engines (Aus) Pty Ltd	15.6.1923 - 18.6.1923	sleeve 16	Drawn JWS
CE 101	20	527	Locking Plate for Ball Bearings	Crankless Engines (Aus) Pty Ltd	13.6.1923 - 18.6.1923	sleeve 16	Drawn JWS
CE 101	37	528	Oil Guard	Crankless Engines (Aus) Pty Ltd	13.6.1923 - 18.6.1923	sleeve 16	Drawn JWS
CE 100	15	531	Thrust Bearing Fixed Ring	Crankless Engines (Aus) Pty Ltd	18.6.1923	sleeve 16	
CE 100	14	532	Thrust Bearing Housing	Crankless Engines (Aus) Pty Ltd	30.6.1924 - 4.7.1924	sleeve 16	
CE 100	16, 16a	533	Slipper Pads (R.H.), Slipper Pads (L.H.)	Crankless Engines (Aus) Pty Ltd	18.6.1923 - 17.3.1925	sleeve 16	
CE 100	17	534	Thrust Bearing Washer	Crankless Engines (Aus) Pty Ltd	18.6.1923 - 19.6.1923	sleeve 16	
CE 101	38	539	Cone Washer	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 23.6.1923	sleeve 16	Drawn JWS
CE 101	39	540	Lock Nut for Slant	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 22.6.1923	sleeve 16	Drawn JWS
CE 100	19	535	Spherical Washer Seat (Rear)	Crankless Engines (Aus) Pty Ltd	18.6.1923 - 19.6.1923	sleeve 16	
CE 100	18	536	Spherical Washer Seat (Front)	Crankless Engines (Aus) Pty Ltd	18.6.1923 - 19.6.1923	sleeve 16	
CE 100	38, 38a	537	Valve (Inlet), Valve (Exhaust)	Crankless Engines (Aus) Pty Ltd	17.6.1923 - 22.6.1923	sleeve 16	Drawn and Traced PEI
CE 100	50	538	Cam Rocker	Crankless Engines (Aus) Pty Ltd	18.6.1923 - 22.6.1923	sleeve 16	Drawn and Traced PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	40	541	Shaft Key (Clutch)	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 22.6.1923	sleeve 16	Drawn JWS
CE 101	41, 42	542	Lock Washer (Slant), Key for Slant	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 22.6.1923	sleeve 17	Drawn JWS
CE 100	61	543	Bracket for Operating Shaft	Crankless Engines (Aus) Pty Ltd	21.6.1923 - 22.6.1923	sleeve 17	Drawn JWS
CE 100	39	544	Valve Guide	Crankless Engines (Aus) Pty Ltd	17.6.1923 - 26.6.1923	sleeve 17	Drawn and Traced PEI
CE 101	29	545	Complete Shell for Outer Bearing	Crankless Engines (Aus) Pty Ltd	22.6.1923 - 2.7.1923	sleeve 17	Drawn JWS
CE 100	51, 44	546	Camshaft Rocker Bush, Valve Rocker Bush	Crankless Engines (Aus) Pty Ltd	19.6.1923 - 25.6.1923	sleeve 17	Drawn PEI
CE 100	49, 47, 218, 58	547	Rocker Ball Pin, Rocker Adjusting Screw, Do Lock Nut, Push Rod Cup Encl.	Crankless Engines (Aus) Pty Ltd	19.6.1923 - 26.6.1923	sleeve 17	Drawn PEI
CE 100	20, 21	548	Thrust Bearing Distance Piece, Thrust Bearing Nut	Crankless Engines (Aus) Pty Ltd	18.6.1923 - 26.6.1923	sleeve 17	
CE 100	45, 46	549	Rocker Pin, Rocker Distance Piece	Crankless Engines (Aus) Pty Ltd	19.6.1923 - 25.6.1923	sleeve 17	Drawn PEI
CE 100	36, 37	550	Slipper Rod Location Pins, Thrust Washer Location Pins	Crankless Engines (Aus) Pty Ltd	18.6.1923 - 26.6.1923	sleeve 17	
CE 101	30	551	Complete Shell for Main Bearings	Crankless Engines (Aus) Pty Ltd	22.6.1923 - 2.7.1923	sleeve 17	Drawn JWS
CE 100	52, 53, 54	552	Cam Roller, Cam Roller Pin, Do. Collar	Crankless Engines (Aus) Pty Ltd	19.6.1923 - 26.6.1923	sleeve 17	Drawn PEI
CE 100	55, 56	553	Cam Rocker Pin, Cam Rocker Distance Piece	Crankless Engines (Aus) Pty Ltd	19.6.1923 - 26.6.1923	sleeve 17	Drawn PEI
CE 100	57, 57a	554	Push Rod (Front), Push Rod (Rear)	Crankless Engines (Aus) Pty Ltd	19.6.1923 - 26.6.1923	sleeve 17	Drawn PEI
CE 100	40, 43, 42	556	Valve Spring Cap, Valve Spring Collar, Valve Stem Cap	Crankless Engines (Aus) Pty Ltd	19.6.1923 - 26.6.1923	sleeve 17	Drawn and Traced PEI
CE 101	43, 44	557	Set Screw (Special), Lock Washer	Crankless Engines (Aus) Pty Ltd	25.6.1923 - 30.6.1923	sleeve 17	Drawn JWS
CE 101	45, 46	558	Lock Nut for Oil Jet, Oil Jet	Crankless Engines (Aus) Pty Ltd	25.6.1923 - 29.6.1923	sleeve 17	Drawn JWS
CE 101	48	559	Lock Washer (Special)	Crankless Engines (Aus) Pty Ltd	25.6.1923 - 19.6.1923	sleeve 17	Drawn JWS
CE 101	49	560	Union (Speical)	Crankless Engines (Aus) Pty Ltd	28.6.1923 - 29.6.1923	sleeve 17	Drawn JWS
CE 101	50	561	Shim for Slipper Clearance	Crankless Engines (Aus) Pty Ltd	29.6.1923	sleeve 17	Drawn JWS
CE 101	47	562	Oil Thrower	Crankless Engines (Aus) Pty Ltd	27.6.1923 - 30.6.1923	sleeve 18	Drawn JWS
CE 101	51	563	Adjusting Washer for Thrust Bearing	Crankless Engines (Aus) Pty Ltd	27.6.1923 - 29.6.1923	sleeve 18	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	53	565	Housing for Thrust Bearing (Outer)	Crankless Engines (Aus) Pty Ltd	5.7.1923 - 12.7.1923	sleeve 18	Drawn JWS
CE 101	54	566	End Gland Cover	Crankless Engines (Aus) Pty Ltd	27.6.1923 - 29.6.1923	sleeve 18	Drawn JWS
CE 101	55	567	Thrust Collar	Crankless Engines (Aus) Pty Ltd	27.6.1923 - 30.6.1923	sleeve 18	Drawn JWS
CE 101	56	568	Slipper Housing Seat	Crankless Engines (Aus) Pty Ltd	5.7.1923 - 11.7.1923	sleeve 18	Drawn JWS
CE 101	57	569	Cover for Thrust Housing	Crankless Engines (Aus) Pty Ltd	6.7.1923 - 11.7.1923	sleeve 18	Drawn JWS
CE 101	36	570	Inspection Cover	Crankless Engines (Aus) Pty Ltd	25.6.1923 - 30.6.1923	sleeve 18	Drawn JWS
CE 101	2, 22	571	Piston Ring, Stop Pin for Piston Ring	Crankless Engines (Aus) Pty Ltd	29.6.1923 - 30.6.1923	sleeve 18	
CE 101	59	572	Cheese Headed Set Screw (Special)	Crankless Engines (Aus) Pty Ltd	30.6.1923	sleeve 18	Drawn JWS
CE 101	61, 62	573	Counter Sunk Screws for Feather	Crankless Engines (Aus) Pty Ltd	30.6.1923	sleeve 18	Drawn JWS
CE 101	31	575	Inlet Valve Thrust Ring	Crankless Engines (Aus) Pty Ltd	30.6.1923	sleeve 18	Drawn JWS
CE 101	32	576	Valve Thrust Ring Spring	Crankless Engines (Aus) Pty Ltd	30.6.1923	sleeve 18	Drawn JWS
CE 101	15	577	Delivery Valve (Outer)	Crankless Engines (Aus) Pty Ltd	16.5.1922 - 2.7.1923	sleeve 18	Drawn JWS
CE 101	10, 17	578	Cup Housing Pin, Grub Screw for 101/34	Crankless Engines (Aus) Pty Ltd	30.4.1923 - 3.7.1923	sleeve 18	Drawn JWS
CE 101	16	579	Delivery Valve Seat (Outer)	Crankless Engines (Aus) Pty Ltd	16.5.1923 - 2.7.1923	sleeve 18	Drawn JWS
CE 100	62	580	Camshaft Drive Housing	Crankless Engines (Aus) Pty Ltd	28.6.1923 - 5.7.1923	sleeve 19	Traced PEI
CE 100	64	581	Camshaft Drive, Bevel Gear	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 5.7.1923	sleeve 19	
CE 100	72, 73	582	Spiral Pinion Key, Special Woodruff Key	Crankless Engines (Aus) Pty Ltd	22.6.1923 - 5.7.1923	sleeve 19	
CE 100	69	583	Spiral Pinion Location Nut	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 5.7.1923	sleeve 19	
CE 100	70, 71	584	Spiral Pinion Nut Locking Washer, Bevel Gear Nut Locking Washer	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 5.7.1923	sleeve 19	
CE 100	65, 65a	586	Camshaft Drive Spiral Pinion	Crankless Engines (Aus) Pty Ltd	22.6.1923 - 5.7.1923	sleeve 19	
CE 100	66	587	Camshaft Drive Bush	Crankless Engines (Aus) Pty Ltd	22.6.1923 - 5.7.1923	sleeve 19	
CE 100	67, 68	588	Camshaft Drive Thrust Washer, Bevel Wheel Location Nut	Crankless Engines (Aus) Pty Ltd	22.6.1923 - 5.7.1923	sleeve 19	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 102	16	589	Locking Wire for Gland Nut	Crankless Engines (Aus) Pty Ltd	6.7.1923 - 11.7.1923	sleeve 19	
CE 100	53	590	Camshaft Drive Shaft	Crankless Engines (Aus) Pty Ltd	5.7.1923 - 12.7.1923	sleeve 19	
CE 100	28, 28a	591	Camshaft Spiral Gear	Crankless Engines (Aus) Pty Ltd	2.7.1923 - 25.7.1923	sleeve 19	
CE 101	64	593	Gasometer Bell	Crankless Engines (Aus) Pty Ltd	7.7.1923 - 10.7.1923	sleeve 19	Drawn JWS
CE 101	65	594	Bell Guide	Crankless Engines (Aus) Pty Ltd	21.8.1923 - 24.8.1923	sleeve 19	Drawn JWS
CE 101	66	596	Spur Wheel for Gasometer	Crankless Engines (Aus) Pty Ltd	10.7.1923 - 9.8.1923	sleeve 19	Drawn JWS
CE 100		598	Diagrammatic Arrangement of Valve Gearing on 8 x 4 3/4 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	17.7.1923 - 18.7.1923	sleeve 19	
CE 100	77	604	Main Shaft Bevel	Crankless Engines (Aus) Pty Ltd	11.9.1923 - 1.10.1923	sleeve 19	
CE 21	51	605	8 - Point Distributor Cam	Crankless Engines (Aus) Pty Ltd	11.6.1923 - 25.7.1923	sleeve 19	
CE 21	49, 50	606	Distributor Shaft, Distributor Shaft Screw	Crankless Engines (Aus) Pty Ltd	24.5.1923 - 20.7.1923	sleeve 20	
CE 100	104	608	Gas Mixer Body	Crankless Engines (Aus) Pty Ltd	18.7.1923 - 28.7.1923	sleeve 20	Drawn PEI
CE 100		610	General Arrangement of Pistons and Yoke for 8 - cyl., 50 H.P. Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	31.7.1923	sleeve 20	Drawn and Traced PEI
CE 100		610	General Arrangement of Pistons and Yoke for 8 - cyl., 50 H.P. Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	31.7.1923	sleeve 20	Drawn and Traced PEI, blueprint of previous
CE 105	1, 2, 3	611	Thrust Washer, Thrust Housing, Thrust Housing Location Pin	Crankless Engines (Aus) Pty Ltd	13.3.1923 - 31.7.1923	sleeve 20	Drawn AJS
CE 100	88	615	Slant	Crankless Engines (Aus) Pty Ltd	2.8.1923 - 6.8.1923	sleeve 20	
CE 100	6	616	Stipper Cup	Crankless Engines (Aus) Pty Ltd	28.7.1923 - 6.8.1923	sleeve 20	Drawn PEI
CE 100		617	Piston Bolt (A Design)	Crankless Engines (Aus) Pty Ltd	28.7.1923 - 6.8.1923	sleeve 20	Drawn PEI
CE 100	105	618	Peripheral Slipper	Crankless Engines (Aus) Pty Ltd	28.7.1923 - 6.8.1923	sleeve 20	Drawn PEI
CE 100	8	619	Peripheral Slipper Spring, Peripheral Slipper Screw	Crankless Engines Limited	8.7.1924 - 15.7.1924	sleeve 20	Drawn and Traced PEI
CE 104	1	621	Water Pump Casing	Crankless Engines (Aus) Pty Ltd	1.8.1923 - 6.8.1923	sleeve 20	
CE 104	2	622	Water Pump Casing Cover	Crankless Engines (Aus) Pty Ltd	2.8.1923 - 6.8.1923	sleeve 20	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 104	8, 9	624	Water Pump Driving Pin, Gland Nut Powl.	Crankless Engines (Aus) Pty Ltd	2.8.1923 - 9.8.1923	sleeve 20	
CE 104	10	625	Driving Pin Guard	Crankless Engines (Aus) Pty Ltd	2.8.1923 - 9.8.1923	sleeve 21	
CE 104	7	626	Gland Retaining Nut	Crankless Engines (Aus) Pty Ltd	2.8.1923 - 9.8.1923	sleeve 21	
CE 104	5, 6	627	Water Pump Spindle Bush, Water Pump Gland	Crankless Engines (Aus) Pty Ltd	2.8.1923 - 9.8.1923	sleeve 21	
CE 104	4	628	Water Pump Spindle	Crankless Engines (Aus) Pty Ltd	2.8.1923 - 9.8.1923	sleeve 21	
CE 100	107	629	Throttle Valve	Crankless Engines (Aus) Pty Ltd	6.8.1923 - 9.8.1923	sleeve 21	Drawn PEI
CE 100	109	630	Vane Mixer	Crankless Engines (Aus) Pty Ltd	6.8.1923 - 9.8.1923	sleeve 21	Drawn PEI
CE 100	108	631	Mixer Venturi	Crankless Engines (Aus) Pty Ltd	4.8.1923 - 9.8.1923	sleeve 21	Drawn PEI
CE 101	73, 74	633	Ring Nut, Lock Washer	Crankless Engines (Aus) Pty Ltd	10.7.1923 - 9.8.1923	sleeve 21	Drawn JWS
CE 21	52	635	Scraper Ring	Crankless Engines (Aus) Pty Ltd	15.8.1923 - 16.8.1923	sleeve 21	
CE 100	119	637	Gas Valve Body	Crankless Engines (Aus) Pty Ltd	14.8.1923 - 20.8.1923	sleeve 21	
CE 100	121, 122	638	Gas Valve Body Cap, Gas Valve	Crankless Engines (Aus) Pty Ltd	14.8.1923 - 20.8.1923	sleeve 21	
CE 100	123, 124, 125	639	Gas Valve Locking Wire, Gas Valve Cap, Gas Valve Spring Adjusting Nut	Crankless Engines (Aus) Pty Ltd	14.8.1923 - 20.8.1923	sleeve 21	
CE 100	114, 117	640	Shaft Spiral Gear, Vertical Shaft Spiral Gear	Crankless Engines (Aus) Pty Ltd	7.8.1923 - 24.8.1923	sleeve 21	Drawn PEI
CE 100	10	642	Pressure Ring	Crankless Engines (Aus) Pty Ltd	15.8.1923 - 20.8.1923	sleeve 21	
CE 100	11	643	Scraper Ring	Crankless Engines (Aus) Pty Ltd	15.8.1923 - 20.8.1923	sleeve 21	
CE 100	113, 112, 115	644	Ball Bearing Locking Nut, Throttle Valve Distance Piece, Shaft Spiral Gear Nut	Crankless Engines (Aus) Pty Ltd	7.8.23 - 24.8.1923	sleeve 21	Drawn PEI
CE 100	126	647	Cover for Camshaft Housing	Crankless Engines (Aus) Pty Ltd	21.8.1923 - 24.8.1923	sleeve 22	Drawn JWS
CE 101	78	648	Oil Pump Driving Shaft Guard	Crankless Engines (Aus) Pty Ltd	21.8.1923 - 24.8.1923	sleeve 22	Drawn JWS
CE 101	79	649	Oil Pump Extension Piece	Crankless Engines (Aus) Pty Ltd	21.8.1923 - 24.8.1923	sleeve 22	Drawn JWS
CE 101	77	650	Cover for Oil Pump Driving Wheels	Crankless Engines (Aus) Pty Ltd	20.8.1923 - 24.8.1923	sleeve 22	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	81	654	Oil Pump Driving Shaft Extension	Crankless Engines (Aus) Pty Ltd	21.8.1923 - 28.8.1923	sleeve 22	Drawn JWS
CE 101	82	655	Splined Driving Dog for Oil Pump	Crankless Engines (Aus) Pty Ltd	21.8.1923 - 28.8.1923	sleeve 22	Drawn JWS
CE 101	83, 84	656	Ring Nut for Oil Pump Drive, Lock Washer for do.	Crankless Engines (Aus) Pty Ltd	22.8.1923 - 28.8.1923	sleeve 22	Drawn JWS
CE 101	85, 86	657	Extension Shaft Bush, Bush for Driving Wheel Shaft (oil pump drive)	Crankless Engines (Aus) Pty Ltd	21.8.1923 - 28.8.1923	sleeve 22	Drawn JWS
CE 101	87	658	Driving Wheel Dog (Oil Pump Drive)	Crankless Engines (Aus) Pty Ltd	23.8.1923 - 28.8.1923	sleeve 22	Drawn JWS
CE 101	88	659	Bush for Driving Dog	Crankless Engines (Aus) Pty Ltd	23.8.1923 - 28.8.1923	sleeve 22	Drawn JWS
CE 100	134, 132, 133	660	Magneto Shaft Bush, Camshaft Bevel Wheel Key, Bevel Pinion Distance Piece (Magneto Shaft)	Crankless Engines (Aus) Pty Ltd	20.8.1923 - 14.9.1923	sleeve 22	
CE 100	131	661	Camshaft Bevel Wheel Magneto Drive	Crankless Engines (Aus) Pty Ltd	20.8.1923 - 28.8.1923	sleeve 22	
CE 101	89	662	Oil Pump Driving Shaft	Crankless Engines (Aus) Pty Ltd	23.8.1923 - 28.8.1923	sleeve 22	Drawn JWS
CE 100	110	664	Throttle Value Shaft	Crankless Engines (Aus) Pty Ltd	7.8.1923 - 28.8.1923	sleeve 22	Drawn PEI
CE 100	129	665	Magneto Shaft Bevel Pinion	Crankless Engines (Aus) Pty Ltd	20.8.1923 - 28.8.1923	sleeve 22	
CE 100	25	666	Camshaft Bush (Top)	Crankless Engines (Aus) Pty Ltd	20.8.1923 - 28.8.1923	sleeve 22	
CE 100	139	669	Starting Shaft	Crankless Engines (Aus) Pty Ltd	28.8.1923 - 3.9.1923	sleeve 23	
CE 100	140, 144	670	Starting Claw, Main Shaft Claw	Crankless Engines (Aus) Pty Ltd	28.8.1923 - 3.9.1923	sleeve 23	
CE 24	2	671	Rear Bearing Housing	Crankless Engines (Aus) Pty Ltd	30.8.1923 - 3.9.1923	sleeve 23	Drawn PEI
CE 100	142	672	Claw Release Spring (Starting Gear)	Crankless Engines (Aus) Pty Ltd	29.8.1923 - 3.9.1923	sleeve 23	
CE 100	143	673	Starting Shaft Bush	Crankless Engines (Aus) Pty Ltd	28.8.1923 - 3.9.1923	sleeve 23	
CE 100	144, 145, 271, 147	674	Main Shaft Claw Key, Main Shaft Claw Setscrew, Starting Shaft Key, Starting Claw Rivet	Crankless Engines (Aus) Pty Ltd	29.8.1930 - 3.9.1923	sleeve 23	
CE 101	90	675	Camshaft Driving Dog (Oil Pump)	Crankless Engines (Aus) Pty Ltd	28.8.1923 - 3.9.1923	sleeve 23	Drawn JWS
CE 101	91	676	Oil Pump Driving Wheel	Crankless Engines (Aus) Pty Ltd	27.8.1923 - 1.9.1923	sleeve 23	Drawn JWS
CE 101	92	677	Oil Pump Spur Pinion	Crankless Engines (Aus) Pty Ltd	27.8.1923 - 1.9.1923	sleeve 23	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	93	678	Driving Pin Guard (Oil Pump Drive)	Crankless Engines (Aus) Pty Ltd	29.8.1923 - 3.9.1923	sleeve 23	Drawn JWS
CE 100	33, 149	682	Camshaft Spiral Gear Key, Distance Piece (Camshaft Bevel Wheel)	Crankless Engines (Aus) Pty Ltd	7.9.1923 - 14.9.1923	sleeve 23	
CE 101	107, 108, 109	683	Lubrication Junction Box, By-Pass Screw, Plug for 101-107	Crankless Engines (Aus) Pty Ltd	7.9.1923 - 14.9.1923	sleeve 23	Drawn JWS
CE 100	86	684	Cone Washer	Crankless Engines (Aus) Pty Ltd	7.9.1923 - 14.9.1923	sleeve 23	
CE 100	87	685	Slant Location Nut	Crankless Engines (Aus) Pty Ltd	7.9.1923 - 14.9.1923	sleeve 23	
CE 100	89	686	Slant Key	Crankless Engines (Aus) Pty Ltd	7.9.1923 - 14.9.1923	sleeve 23	
CE 100	82a	687	Complete Shell for Rear Outer Bearing	Crankless Engines (Aus) Pty Ltd	10.9.1923 - 18.9.1923	sleeve 23	Drawn JWS
CE 100	83	688	Main Bearing Shell	Crankless Engines (Aus) Pty Ltd	10.9.1923 - 18.9.1923	sleeve 23	Drawn JWS
CE 24	4	690	Fixed Cup	Crankless Engines (Aus) Pty Ltd	23.8.1923 - 13.9.1923	sleeve 23	Drawn PEI
CE 24	5, 6	691	Adjustable Cup, Do. Do. Nut	Crankless Engines (Aus) Pty Ltd	22.8.1923 - 13.8.1923	sleeve 24	Drawn PEI
CE 24	7, 8	692	Cup Locking Washer, Adjusting Shim	Crankless Engines (Aus) Pty Ltd	22.8.1923 - 13.9.1923	sleeve 24	Drawn PEI
CE 24	9	693	Baffle Plate	Crankless Engines (Aus) Pty Ltd	29.8.1923 - 13.9.1923	sleeve 24	Drawn PEI
CE 24	10	694	Yoke Bush	Crankless Engines (Aus) Pty Ltd	23.8.1923 - 13.9.1923	sleeve 24	Drawn PEI
CE 24	11, 18, 12a	695	Slipper Ball, Slipper Pad	Crankless Engines (Aus) Pty Ltd	20.8.1923 - 13.9.1923	sleeve 24	Drawn PEI
CE 24	13	696	Piston Ring	Crankless Engines (Aus) Pty Ltd	22.8.1923 - 13.9.1923	sleeve 24	Drawn PEI
CE 24	14, 15	697	Fixed Guide Bar, Eccentric Guide Bar	Crankless Engines (Aus) Pty Ltd	29.8.1923 - 13.9.1923	sleeve 24	Drawn PEI
CE 24	16, 17	698	Non-Return Oil Valve, Guide Bar Setscrew	Crankless Engines (Aus) Pty Ltd	18.9.1923 - 1.10.1923	sleeve 24	Drawn PEI
CE 24	18	699	Slant	Crankless Engines (Aus) Pty Ltd	18.9.1923 - 1.10.1923	sleeve 24	Drawn PEI
CE 24	19	700	Main Shaft	Crankless Engines (Aus) Pty Ltd	17.12.1923	sleeve 24	
CE 24	20	701	Rear Coned Washer and Distance Piece	Crankless Engines (Aus) Pty Ltd	18.9.1923 - 1.10.1923	sleeve 24	Drawn PEI
CE 100	150	701	Cylinder Head Cover	Crankless Engines (Aus) Pty Ltd	13.9.1923 - 14.9.1923	sleeve 24	
CE 100	151	703	Camshaft Housing Cover	Crankless Engines (Aus) Pty Ltd	13.9.1923 - 14.9.1923	sleeve 24	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	110	704	Core Hole Cover Plate (Bed plate)	Crankless Engines (Aus) Pty Ltd	12.9.1923 - 14.9.1923	sleeve 24	
CE 100	152	705	Camshaft Housing Inspection Cover	Crankless Engines (Aus) Pty Ltd	14.9.1923	sleeve 24	
CE 100	84	707	Rear Main Bearing Cap	Crankless Engines (Aus) Pty Ltd	11.9.1923 - 18.9.1923	sleeve 25	Drawn JWS
CE 101	111	708	Oil Tank Inspection Cover (Bed Plate)	Crankless Engines (Aus) Pty Ltd	12.9.1923 - 18.9.1923	sleeve 25	
CE 100	80	709	Main Bearing Cap (Front)	Crankless Engines (Aus) Pty Ltd	15.9.1923 - 18.9.1923	sleeve 25	
CE 100	82	710	Front Outer Bearing Shell	Crankless Engines (Aus) Pty Ltd	10.9.1923 - 18.9.1923	sleeve 25	Drawn JWS
CE 100	96	713	Mainshaft Bevel Nut	Crankless Engines (Aus) Pty Ltd	15.9.1923 - 1.10.1923	sleeve 25	
CE 100	97	714	Lock Washer for Part No. 100-96	Crankless Engines (Aus) Pty Ltd	10.9.1923 - 1.10.1923	sleeve 25	
CE 100	153	715	Main Shaft Bevel Distance Piece	Crankless Engines (Aus) Pty Ltd	11.9.1923 - 1.10.1923	sleeve 25	
CE 113	4a	716	Brake Coupling Flange (D.P.6 Froude Brake)	Crankless Engines (Aus) Pty Ltd	20.9.1923 - 1.10.1923	sleeve 25	Drawn PEI
CE 113	5a	717	Engine Coupling Flange (8 x 3 5/16 x 3 1/2 Petrol Engine)	Crankless Engines (Aus) Pty Ltd	20.9.1923 - 1.10.1923	sleeve 25	Drawn PEI
CE 113	1	718	Spider Pin	Crankless Engines (Aus) Pty Ltd	20.9.1923 - 1.10.1923	sleeve 25	Drawn PEI
CE 113	2	719	Spider Motion Block	Crankless Engines (Aus) Pty Ltd	20.9.1923 - 1.10.1923	sleeve 25	Drawn PEI
CE 113	3	720	Coupling Spider	Crankless Engines (Aus) Pty Ltd	20.9.1923 - 1.10.1923	sleeve 25	Drawn PEI
CE 119	6	721	Universal Coupling Spring	Crankless Engines (Aus) Pty Ltd	10.10.1923 - 15.10.1923	sleeve 25	Drawn PEI
CE 100	91	725	Cylinder Head Water Connection	Crankless Engines (Aus) Pty Ltd	28.9.1923 - 4.10.1923	sleeve 25	Drawn PEI
CE 100	93, 95, 94	726	Valve Rocker Pin Set Screw, Locking Plate for Part No. 100-93, Dowel Pin for Part No. 100-15	Crankless Engines (Aus) Pty Ltd	28.9.1923 - 4.10.1923	sleeve 25	Drawn PEI
CE 100	98, 102	729	Lock Washer for Part No. 100-87, Oil Drain Plug	Crankless Engines (Aus) Pty Ltd	29.9.1923 - 5.10.1923	sleeve 26	
CE 100	99, 158, 99a	730	Felt Packing Seat (Front), Camshaft Packing Gland, Felt Packing Seat (Rear)	Crankless Engines (Aus) Pty Ltd	29.9.1923 - 5.10.1923	sleeve 26	
CE 100	100, 100a	731	Felt Packing Gland (Front), Felt Packing Gland (Rear)	Crankless Engines (Aus) Pty Ltd	29.9.1923 - 5.10.1923	sleeve 26	
CE 116	1, 2	732	Name Plate (Technical), Name Plate (Patents)	Crankless Engines (Aus) Pty Ltd	9.10.1922 - 10.10.1923	sleeve 26	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 116	3	735	Name Plate (Technical)	Crankless Engines (Aus) Pty Ltd	9.10.1923 - 10.10.1923	sleeve 26	
CE 117	1	736	Governor Housing	Crankless Engines (Aus) Pty Ltd	9.10.1923 - 10.10.1923	sleeve 26	Drawn PEI
CE 117	2, 3	737	Governor Body Cap, Governor Weight	Crankless Engines (Aus) Pty Ltd	9.10.1923 - 10.10.1923	sleeve 26	Drawn PEI
CE 100	156	738	Core Hole Cover Plate Main Joint	Crankless Engines (Aus) Pty Ltd	10.9.1923 - ?	sleeve 26	
CE 100	90	739	Cylinder Block Water Connection	Crankless Engines (Aus) Pty Ltd	11.10.1923 - 18.10.1923	sleeve 26	
CE 100	92	740	Water Outlet Pipe Flange	Crankless Engines (Aus) Pty Ltd	10.10.1923 - 15.10.1923	sleeve 26	
CE 100	169	741	Starting Crank	Crankless Engines (Aus) Pty Ltd	13.10.1923 - 17.10.1923	sleeve 26	
CE 100	171, 170	742	Starting Crank Sleeve, Starting Crank Pin	Crankless Engines (Aus) Pty Ltd	13.10.1923 - 17.10.1923	sleeve 26	
CE 100	32	743	Camshaft Gearwheel Shield	Crankless Engines (Aus) Pty Ltd	16.10.1923 - 23.10.1923	sleeve 26	
CE 117	4, 5	744	Governor Link, Link Pins	Crankless Engines (Aus) Pty Ltd	9.10.1923 - 15.10.1923	sleeve 26	Drawn PEI
CE 117	6, 7	745	Governor Sleeve, Governor Link Collar	Crankless Engines (Aus) Pty Ltd	10.10.1923 - 15.10.1923	sleeve 26	Drawn PEI
		746	Cooling Tank for 8 x 4 3/4 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	8.10.1923 - 9.10.1923	sleeve 26	Drawn JWS, For Australian Gas Light Co. Ltd, Sydney
CE 100	41	747	Valve Spring	Crankless Engines (Aus) Pty Ltd	12.10.1923 - 15.10.1923	sleeve 27	
CE 111	8, 11	748	Governor Spring Adjusting Screw, Adjusting Screw Pin	Crankless Engines (Aus) Pty Ltd	9.10.1923 - 15.10.1923	sleeve 27	Drawn PEI
CE 117	9, 10, 12	749	Adjusting Nut, Adjusting Lock Washer, Spring Adjusting Washer	Crankless Engines (Aus) Pty Ltd	9.10.1923 - 15.10.1923	sleeve 27	Drawn PEI
CE 101	94, 175	751	Spring (Oil Pump Drive Shaft), Ratchet Spring (Throttle Handle)	Crankless Engines (Aus) Pty Ltd	10.10.1923 - 15.10.1923	sleeve 27	Drawn JWS
CE 100	157	752	Water Inlet Pipe	Crankless Engines (Aus) Pty Ltd	28.9.1923 - 24.6.1924	sleeve 27	Drawn PEI
CE 117	14, 18	753	Control Fork, Control Pivot	Crankless Engines (Aus) Pty Ltd	9.10.1923 - 17.10.1923	sleeve 27	Drawn PEI
CE 117	15, 19, 10, 136	754	Control Shaft, Control Collar, Sleeve Set Screw, Magneto Shaft Location Collar	Crankless Engines (Aus) Pty Ltd	10.10.1923 - 17.10.1923	sleeve 27	Drawn PEI
CE 100	128	755	Governor Shaft	Crankless Engines (Aus) Pty Ltd	10.10.1923 - 17.10.1923	sleeve 27	Drawn PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 100	163	756	Throttle Lever	Crankless Engines (Aus) Pty Ltd	13.10.1923 - 17.10.1923	sleeve 27	Drawn JWS
CE 100	164, 174, 173, 172	757	Throttle Lever Pin, Spring Plug, Throttle Lever Stop, Counter Sunk Head Screw	Crankless Engines (Aus) Pty Ltd	13.10.1923 - 17.10.1923	sleeve 27	Drawn JWS
CE 117	17	758	Control Shaft Lever	Crankless Engines (Aus) Pty Ltd	16.10.1923 - 19.10.1923	sleeve 27	Drawn PEI
CE 100	177	759	Magneto Bell Crank	Crankless Engines (Aus) Pty Ltd	16.10.1923 - 19.10.1923	sleeve 27	Drawn PEI
CE 101	113	760	Oil Filler Cap	Crankless Engines (Aus) Pty Ltd	13.10.1923 - 19.10.1923	sleeve 27	Drawn JWS
CE 100	75	761	Lock Washer (Special) (With Extension for Oil Jet)	Crankless Engines (Aus) Pty Ltd	12.10.1923 - 19.10.1923	sleeve 27	Drawn JWS
CE 101	120	762	Oil Filter	Crankless Engines (Aus) Pty Ltd	13.10.1923 - 19.10.1923	sleeve 27	Drawn JWS
CE 101	118, 119	763	Oil Indicator Rod, Oil Indicator Disc	Crankless Engines (Aus) Pty Ltd	12.10.1923 - 19.10.1923	sleeve 27	Drawn JWS
CE 101	116, 117	764	Oil Level Indicator Float, Indicator Rod Flange	Crankless Engines (Aus) Pty Ltd	12.10.1923 - 19.10.1923	sleeve 27	Drawn JWS
CE 101	121, 122	765	Oil Level Indicator, Oil Level Indicator Cap	Crankless Engines (Aus) Pty Ltd	12.10.1923 - 19.10.1923	sleeve 27	Drawn JWS
CE 101	114	766	Oil Level Indicator Body	Crankless Engines (Aus) Pty Ltd	12.10.1923 - 19.10.1923	sleeve 28	Drawn JWS
CE 100	76	767	Throttle Quadrant	Crankless Engines (Aus) Pty Ltd	13.10.1923 - 19.10.1923	sleeve 28	Drawn JWS
CE 100	26, 27	769	Camshaft Bush (Lower), Camshaft Bush (Centre)	Crankless Engines (Aus) Pty Ltd	18.10.1923 - 23.10.1923	sleeve 28	
CE 100	29, 120	770	Camshaft Thrust Washer (Lower), Camshaft Thrust Washer (Upper)	Crankless Engines (Aus) Pty Ltd	16.10.1923 - 23.10.1923	sleeve 28	
CE 100	22, 31	771	Thrust Bearing Lock Washer, Lock Washer for Part No. 100-30	Crankless Engines (Aus) Pty Ltd	18.10.1923 - 23.10.1923	sleeve 28	
CE 100	85, 85a	772	Oil Thrower (Front), Oil Thrower (Rear)	Crankless Engines (Aus) Pty Ltd	17.10.1923 - 23.10.1923	sleeve 28	
CE 100	168, 30	773	Special Nut for Part No. 100-91, Cam Shaft Gear Wheel Nut	Crankless Engines (Aus) Pty Ltd	18.10.1923 - 23.10.1923	sleeve 28	
CE 100	165, 166, 116, 135	774	Stop Pin for Part No. 100-120, Stop Pin for Part No. 100-27, Dowel Pin for Part No. 100-29, Setscrew for Part No. 100-131	Crankless Engines (Aus) Pty Ltd	18.10.1923 - 23.10.1923	sleeve 28	
CE 100	197, 198, 199	775	Control Rod, Ball End Connection, Bell Crank Bracket	Crankless Engines (Aus) Pty Ltd	16.10.1923 - 24.10.1923	sleeve 28	Drawn PEI
CE 100	200, 201, 202	776	Control Shaft Lever Pin, Bell Crank Poin, Bell Crank Point	Crankless Engines (Aus) Pty Ltd	16.10.1923 - 23.10.1923	sleeve 28	Drawn PEI
CE 100	179, 178	777	Indicator Union Nut, Cylinder Head Plug	Crankless Engines (Aus) Pty Ltd	20.10.1923 - 23.10.1923	sleeve 28	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 100	180, 181	778	Indicator Lever, Indicator Spring Standard	Crankless Engines (Aus) Pty Ltd	19.10.1923 - 23.10.1923	sleeve 28	
CE 100	182, 183	779	Indicator Cam, Grub Screw for Cam	Crankless Engines (Aus) Pty Ltd	19.10.1923 - 23.10.1923	sleeve 28	
CE 118	13	781	3/4 Union Double Ended Body	Crankless Engines (Aus) Pty Ltd	23.10.1923 - 25.10.1923	sleeve 28	
CE 118	15	782	Special Body for 3/8 Union	Crankless Engines (Aus) Pty Ltd	24.10.1923 - 25.10.1923	sleeve 28	
CE 102	18	783	Oil Pump Filter	Crankless Engines (Aus) Pty Ltd	22.10.1923 - 25.10.1923	sleeve 28	Drawn JWS
CE 101	125	784	End Clamp	Crankless Engines (Aus) Pty Ltd	22.10.1923 - 25.10.1923	sleeve 28	Drawn JWS
CE 100	185, 184	785	Plug for Part No. 104-2, Special Water Inlet	Crankless Engines (Aus) Pty Ltd	25.10.1923 - 29.10.1923	sleeve 29	
CE 101	115	788	Oil Filter	Crankless Engines (Aus) Pty Ltd	15.10.1923 - 29.10.1923	sleeve 29	Drawn JWS
CE 116	4, 5	789	Engine Oil Name Plate, Booster Oil Name Plate	Crankless Engines (Aus) Pty Ltd	19.10.1923 - 24.10.1923	sleeve 29	Drawn PEI
CE 100	162	790	Magneto Drive Housing Cover	Crankless Engines (Aus) Pty Ltd	18.10.1923 - 1.11.1923	sleeve 29	Drawn PEI
CE 100	160, 161	791	End Cover for Part No. 100-159, Plug for Part No. 100-160	Crankless Engines (Aus) Pty Ltd	19.10.1923 - 1.11.1923	sleeve 29	Drawn PEI
CE 101	163	792	Hand Oil Pump	Crankless Engines (Aus) Pty Ltd	29.10.1923 - 1.11.1923	sleeve 29	Drawn PEI
CE 101	171	793	Hand Oil Pump Bracket	Crankless Engines (Aus) Pty Ltd	29.10.1923 - 1.11.1923	sleeve 29	Drawn PEI
CE 100	190	794	Air Strainer	Crankless Engines (Aus) Pty Ltd	29.10.1923 - 5.11.1923	sleeve 29	Drawn PEI
CE 100	187, 188, 189	795	Air Strainer Pin, Air Strainer Plate, Air Strainer Spring Washer	Crankless Engines (Aus) Pty Ltd	31.10.1923 - 1.11.1923	sleeve 29	Drawn PEI
CE 100	186, 191, 192, 193	796	Main Joint Dowel Pin, Cylinder Head Dowel Pin, Bearing Cap Dowel Pin, Dowel Pins for Parts No. 100-81 and 100-62	Crankless Engines (Aus) Pty Ltd	1.11.1923 - 2.11.1923	sleeve 29	Drawn and Traced PEI
CE 100	194, 195	797	Dowel Pins for Parts No. 100-79, 100-127, 104-1, Upper Camshaft Bush Dowel Pins	Crankless Engines (Aus) Pty Ltd	2.11.1923	sleeve 29	Drawn and Traced PEI
CE 100	196	798	Air Strangler Handle	Crankless Engines (Aus) Pty Ltd	1.11.1923 - 5.11.1923	sleeve 29	Drawn PEI
CE 101	112	799	Bedplate Circular Cover	Crankless Engines (Aus) Pty Ltd	3.11.1923 - 5.11.1923	sleeve 29	Drawn JWS
CE 118	16, 17	800	Tee-Piece Union (Special), Reducation Union (Special)	Crankless Engines (Aus) Pty Ltd	2.11.1923 - 5.11.1923	sleeve 29	Drawn JWS
CE 118	19, 18	801	Tee-Piece Special, Tee-Piece Union (Special)	Crankless Engines (Aus) Pty Ltd	2.11.1923 - 5.11.1923	sleeve 29	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 117		805	General Arrangement of Porter Governor - Size No. 1	Crankless Engines (Aus) Pty Ltd	16.11.1923 - 20.11.1923	sleeve 30	
CE 21	53	809	Slant	Crankless Engines (Aus) Pty Ltd	26.11.1923 - 27.11.1923	sleeve 30	Drawn and Traced PEI
CE 100		812	External General Arrangement of 50 H.P. Gas Engine 8 Cylinders 4 3/4 Bore x 5 5/8 Stroke	Crankless Engines (Aus) Pty Ltd	27.11.1923 - 30.11.1923	sleeve 30	Blueprint
		815	Diagrammatic Arrangement of Governor and Throttle Valves on 8 Cylinder Crankless Gas Engines - Coke Produced Gas	Crankless Engines (Aus) Pty Ltd	3.12.1923 - 4.12.1923	sleeve 30	Drawn JWS
CE 101		817	External General Arrangement of Crankless Gas Booster 8 Cylinders Double Acting 9 3/8 Bore x 8 Stroke	Crankless Engines (Aus) Pty Ltd	4.12.1923 - 2.1.1924	sleeve 30	
CE 101	13	819	Delivery Valve (Inner)	Crankless Engines (Aus) Pty Ltd	7.12.1923 - 10.12.1923	sleeve 30	
CE 101	15	820	Delivery Valve (Outer)	Crankless Engines (Aus) Pty Ltd	8.12.1923 - 6.12.1923	sleeve 30	
CE 101	115	824	Oil Filler Cap	Crankless Engines (Aus) Pty Ltd	19.12.1923	sleeve 30	Drawn JWS
CE 25	7	830	Clutch Shaft	Crankless Engines (Aus) Pty Ltd	11.1.1924 - 14.1.1924	sleeve 30	Drawn PEI
CE 25	3, 16	832	U.J. Driven Sleeve	Crankless Engines (Aus) Pty Ltd	14.1.1924 - 16.1.1924	sleeve 30	Drawn PEI
CE 100	215	834	Starting Cpastan	Crankless Engines (Aus) Pty Ltd	16.1.1924	sleeve 30	
CE 25	12	845	Clutch Drive Plate	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 13.1.1924	sleeve 31	Drawn PEI
CE 100	229, 230	850	Exhaust Pipe Staffing Box, Exhaust Pipe Gland	Crankless Engines (Aus) Pty Ltd	25.1.1924	sleeve 31	
CE 119	35	863	Oil Pump Body	Crankless Engines (Aus) Pty Ltd	2.2.1924 - 4.2.1924	sleeve 31	
CE 25	34	871	Engine Bearer	Crankless Engines (Aus) Pty Ltd	5.2.1924 - 6.2.1924	sleeve 31	Drawn PEI
		854	Proposed Extension of Offices	Crankless Engines (Aus) Pty Ltd	26.1.1924 - 29.1.1924	sleeve 31	
CE 119	4	885	Adjusting Nut (Slipper Adjustment)	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 15.2.1924	sleeve 31	
CE 119	3	886	Cup Adjusting Sleeve	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 15.2.1924	sleeve 31	
CE 100	235	888	Cut-Out Switch Body	Crankless Engines (Aus) Pty Ltd	14.2.1924 - 20.2.1925	sleeve 31	Drawn PEI
CE 119	2, 2a	889	Slipper Cup (Front), Slipper Cup (Rear)	Crankless Engines (Aus) Pty Ltd	15.2.1924 - 20.2.1924	sleeve 31	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 24	40	890	Engine Shaft Belt Pulley	Crankless Engines (Aus) Pty Ltd	19.2.1924 - 20.2.1924	sleeve 31	Drawn PEI
CE 100	236	891	Starting Gear Cover	Crankless Engines Limited	20.2.1924 - 7.7.1924	sleeve 31	Drawn PEI
CE 100	237	892	Starting Gear Box	Crankless Engines Limited	2.2.1924 - 4.7.1924	sleeve 32	Drawn PEI
		909	Typical Exhaust Pipe Layout of Crankless Gas Engine with Side Exhaust Ports	Crankless Engines (Aus) Pty Ltd	4.3.1924 - 6.3.1924	sleeve 32	Drawn and Traced JWS
CE 100	245	910	Thrust Bearing Distance Piece	Crankless Engines (Aus) Pty Ltd	5.3.1924	sleeve 32	
CE 101	189	912	End Cover Gland	Crankless Engines (Aus) Pty Ltd	8.4.1924 - 9.4.1924	sleeve 32	
CE 119	25	914	End Cover	Crankless Engines (Aus) Pty Ltd	10.3.1924 - 12.3.1924	sleeve 32	
CE 25	63, 64	918	Dynamo Support, Dynamo Strap, Dynamo Strap Without Adjusting Lip	Crankless Engines (Aus) Pty Ltd	10.3.1924 - 11.3.1924	sleeve 32	Drawn PEI
CE 100	240	919	Starting Shaft	Crankless Engines (Aus) Pty Ltd	20.2.1924 - 14.3.1924	sleeve 32	Drawn PEI
CE 100	238, 242	920	Starting Annulus, Planet Pinion	Crankless Engines (Aus) Pty Ltd	20.2.1924 - 14.3.1924	sleeve 32	Drawn PEI
CE 100	239	921	Planet Wheel Carrier	Crankless Engines (Aus) Pty Ltd	20.2.1924 - 14.3.1924	sleeve 32	Drawn PEI
CE 100	241	922	Planet Wheel Plate	Crankless Engines (Aus) Pty Ltd	20.2.1924 - 14.3.1924	sleeve 32	Drawn PEI
CE 100	244, 243	935	Planet Wheel Distance Piece, Planet Wheel Pin	Crankless Engines (Aus) Pty Ltd	20.2.1924 - 12.3.1924	sleeve 32	Drawn PEI
CE 119	22	937	Thrust Bearing Seating	Crankless Engines (Aus) Pty Ltd	12.3.1924 - 14.3.1924	sleeve 32	
CE 25	62, 57, 56	940	Starting Motor Stud (Long), Induction Pipe Packing, Fan Stay Plate	Crankless Engines (Aus) Pty Ltd	11.3.1924 - 13.3.1924	sleeve 32	Drawn PEI
CE 119	26	941	Oil Guard (Rear)	Crankless Engines (Aus) Pty Ltd	13.3.1924 - 14.3.1924	sleeve 32	
CE 119	24, 28	942	Ring Nut, Sleeve	Crankless Engines (Aus) Pty Ltd	13.3.1924 - 14.3.1924	sleeve 32	
CE 119	29	943	Cylinder Plug	Crankless Engines (Aus) Pty Ltd	14.3.1924 - 7.4.1924	sleeve 33	
CE 101	187, 257	945	Yoke Scraper Ring, Yoke Ring for 101-200	Crankless Engines (Aus) Pty Ltd	21.3.1924 - 22.3.1924	sleeve 33	
CE 119	17	946	Front Cover	Crankless Engines (Aus) Pty Ltd	10.4.1924 - 14.4.1924	sleeve 33	
CE 120	1, 4, 3	948	Body Casting, Packing Ring, Screw Cap	Crankless Engines (Aus) Pty Ltd	19.3.1924 - 7.4.1924	sleeve 33	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 119	10	949	Slant	Crankless Engines (Aus) Pty Ltd	31.3.1924 - 7.4.1924	sleeve 33	
CE 119	12	952	Main Shaft	Crankless Engines (Aus) Pty Ltd	2.5.1924 - 8.5.1924	sleeve 33	
CE 119	13, 46	953	Slant Key, Rotary Valve Key	Crankless Engines (Aus) Pty Ltd	31.3.1924 - 16.4.1924	sleeve 33	
CE 119	16	954	Bush	Crankless Engines Limited	25.3.1924 - 7.4.1924	sleeve 33	
CE 119	18	955	Gland	Crankless Engines Limited	25.3.1924 - 7.4.1924	sleeve 33	
CE 119	45	956	Inspection Cover	Crankless Engines (Aus) Pty Ltd	25.3.1924 - 7.4.1924	sleeve 33	
CE 118	22, 23	957	Standard 1/4 Oil Jet, Standard 3/8 Oil Jet	Crankless Engines Limited	21.3.1924 - 16.4.1924	sleeve 33	
CE 118	24, 25	958	Standard Oil Jet for 3/8 Tube, Standard Oil Jet for 1/4 Tube	Crankless Engines Limited	31.3.1924 - 16.4.1924	sleeve 33	
CE 100	248	959	Horizontal Exhaust Pipe Gland	Crankless Engines (Aus) Pty Ltd	4.4.1924 - 5.4.1924	sleeve 33	Drawn PEI
CE 100	249, 249a, 250	960	Slipper Pad (R.H.), Slipper Pad (L.H.), Slipper Tail	Crankless Engines Limited	28.7.1923 - 11.4.1924	sleeve 33	Drawn PEI
CE 101	190, 190a, 191	961	Slipper Pad (R.H.), Slipper Pad (L.H.), Slipper Tail	Crankless Engines Limited	8.4.1924 - 10.4.1924	sleeve 33	
CE 100	251, 252	963	Gland (Vertical Exhaust Con.),	Crankless Engines Limited	11.7.1924 - 15.7.1924	sleeve 34	
CE 119	1, 1a, 52	964	Slipper Pad (R.H.), Slipper Pad (L.H.), Slipper Tail	Crankless Engines (Aus) Pty Ltd	10.4.1924 - 14.4.1924	sleeve 34	
CE 119	55	965	Peripheral Slipper	Crankless Engines Limited	24.4.1924 - 25.4.1924	sleeve 34	Traced PEI
CE 119	54	967	Peripheral Slipper Adjusting Pin	Crankless Engines Limited	17.4.1924 - 23.4.1924	sleeve 34	
CE 119	47	696	Thrust Bearing Fixed Ring	Crankless Engines (Aus) Pty Ltd	2.5.1924 - 8.5.1924	sleeve 34	
CE 119	48	970	Air Circulating Fan	Crankless Engines (Aus) Pty Ltd	3.5.1924 - 8.5.1924	sleeve 34	
CE 119	49	971	End Screen	Crankless Engines (Aus) Pty Ltd	28.5.1924 - 6.6.1924	sleeve 34	
CE 119	56, 57	974	Outer Ring for Thrust Bearing, Inner Split Ring for Thrust Bearing	Crankless Engines (Aus) Pty Ltd	23.4.1924 - 25.4.1924	sleeve 34	
CE 101	194	976	Delivery Valve Seat (Inner)	Crankless Engines Limited	14.4.1924 - 25.4.1924	sleeve 34	Drawn PEI
CE 101	195	977	Delivery Valve Seat (Outer)	Crankless Engines Limited	14.4.1924 - 25.4.1924	sleeve 34	Drawn PEI
CE 101	196	978	Delivery Valve Guard (Inner)	Crankless Engines (Aus) Pty Ltd	28.4.1924 - 29.4.1924	sleeve 34	Drawn PEI
CE 101	197	979	Delivery Valve Guard (Outer)	Crankless Engines (Aus) Pty Ltd	28.4.1924 - 29.4.1924	sleeve 34	Drawn PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	198	980	Delivery Valve Set-screw	Crankless Engines Limited	28.4.1924 - 29.4.1924	sleeve 34	Drawn and Traced PEI
CE 119	58	982	Oil Cam Plunger Top	Crankless Engines Limited	1.5.1924 - 3.5.1924	sleeve 34	
CE 119	59	983	Oil Guard (Oil Pump Cam)	Crankless Engines Limited	1.5.1924 - 3.5.1924	sleeve 34	
CE 101	194, 195	985	Sketch to Show Milling of Parts in Delivery Valve	Crankless Engines Limited	1.5.1924 - 2.5.1924	sleeve 35	Drawn and Traced PEI
CE 101	200	986	Delivery Valve Seat (Inner) for 5 lbs pressure	Crankless Engines Limited	2.5.1924 - 8.5.1924	sleeve 35	Drawn and Traced PEI
CE 101	201	987	Delivery Valve Seat (Outer) for 5 lbs pressure	Crankless Engines Limited	3.5.1924 - 8.5.1924	sleeve 35	Drawn and Traced PEI
CE 101	204	988	Delivery Valve Setscrew for 5 lbs pressure	Crankless Engines Limited	8.5.1924	sleeve 35	Drawn and Traced PEI
CE 119	61, 62, 64	989	Slant Nut Lock Washer, Adj. Sleeve Setscrew Slant Nut Lock Washer, Pressure Gauge Diaphragm	Crankless Engines Limited	15.5.1924 - 19.5.1924	sleeve 35	
CE 119	50, 60	990	Fan Key, Slipper Pad Location Pin (T.B.)	Crankless Engines Limited	17.5.1924 - 19.5.1924	sleeve 35	
CE 24	23, 24	998	Slant Oil Jet Body, Slant Oil Jet	Crankless Engines Limited	26.5.1924 - 4.6.1924	sleeve 35	
CE 121		1001	Installation Drawing of 400 H.P. Water-Cooled Crankless Aeroplane Engine	Crankless Engines Limited	18.6.1924 - 20.6.1924	sleeve 35	Blueprint, Drawn JWS
CE 24	25, 26, 27	1002	Drain Jet Holder, Drain Jet Needle, Drain Jet Body	Crankless Engines Limited	31.5.1924 - 4.6.1924	sleeve 35	
CE 118	26, 27, 28	1004	Right Angle Union Body, Right Angle Small Union Holder, Right Angle Large Union Holder	Crankless Engines Limited	2.6.1924 - 4.6.1924	sleeve 35	
CE 119	63, 67, 68, 69	1005	Breather Body, Spacing Washer, Baffle Plate, Cap	Crankless Engines (Aus) Pty Ltd	4.6.1924 - 6.6.1924	sleeve 35	
CE 118	29, 30	1006	3/8 Right Angle Union Body, 3/8 Right Angle Union Holder	Crankless Engines Limited	3.6.1924 - 4.6.1924	sleeve 35	
CE 119	65, 66	1007	Thrust Bearing Oil Jet, Thrust Bearing Oil Jet Location Piece	Crankless Engines Limited	4.6.1924 - 6.6.1924	sleeve 35	
CE 100		1008	Exhaust Pipe and Waterpipe layout of 50 H.P. Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	5.6.1924 - 10.6.1924	sleeve 35	
CE 100 and CE 101		1009	Diagrammatic Arrangement of Gas Connections to Booster Slant Case and to Engine Gas Valve	Crankless Engines Limited	5.6.1924 - 10.6.1924	sleeve 35	
CE 122	1, 2, 3	1010	Slipper, Slipper Cup, Piston-Yoke Plug	Crankless Engines Limited	5.6.1924 - 9.6.1924	sleeve 35	
CE 24	28, 29	1011	Balance Weight, Balance Rivet	Crankless Engines Limited	7.6.1924 - 9.6.1924	sleeve 36	
CE 122	4	1012	Piston-Yoke	Crankless Engines (Aus) Pty Ltd	16.6.1924 - 17.6.1924	sleeve 36	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 24	30, 31, 32	1013	1/4 Capped Union Body, 1/4 Capped Holding Screw, Gland Nut	Crankless Engines Limited	13.6.1924 - 24.6.1924	sleeve 36	
CE 122	8	1016	Slant	Crankless Engines Limited	18.6.1924 - 25.6.1924	sleeve 36	
CE 122	12, 9, 11	1017	Cylinder Plug, Thrust Ring, Location Ring	Crankless Engines Limited	18.6.1924 - 25.6.1924	sleeve 36	
CE 122	10, 15, 14	1018	Short Key, Gland Nut, Gland Spigot	Crankless Engines Limited	18.6.1924 - 25.6.1924	sleeve 36	
CE 122	13	1019	End Cover	Crankless Engines (Aus) Pty Ltd	23.6.1924 - 25.6.1924	sleeve 36	
CE 122	16, 19, 18	1020	Dowel Pin, Washer, Csk. Hd. Bolts	Crankless Engines Limited	23.6.1924 - 25.6.1924	sleeve 36	
CE 122	20, 17	1021	Cap Nut, Special Long Stud	Crankless Engines Limited	23.6.1924 - 25.6.1924	sleeve 36	
CE 133	10	1025	Tachometer Counter Bracket	Crankless Engines (Aus) Pty Ltd	26.6.1924	sleeve 36	
CE 123	1, 2, 3	1027	Valve Body, Valve, Cap	Crankless Engines (Aus) Pty Ltd	1.7.1924	sleeve 36	
CE 123	1, 2, 3	1028	Valve Body, Valve, Cap	Crankless Engines (Aus) Pty Ltd	2.7.1924 - 3.7.1924	sleeve 36	
CE 119	70, 71	1029	Valve Chamber Sleeve, Valve Set Screw	Crankless Engines (Aus) Pty Ltd	4.7.1924	sleeve 36	
CE 119	72, 73	1030	Distance Piece (Oil Pump Cam), Distance Piece (Fan)	Crankless Engines Limited	4.7.1924	sleeve 37	
CE 25	72	1031	Housing (Universal Joint)	Crankless Engines Limited	3.7.1924 - 5.7.1924	sleeve 37	
CE 25	73	1032	Housing Seating (Universal Joint)	Crankless Engines (Aus) Pty Ltd	4.7.1924 - 10.7.1924	sleeve 37	
CE 25	74, 75	1033	Thrust Washer, Compensating Spring	Crankless Engines Limited	7.7.1924 - 10.7.1924	sleeve 37	
CE 100	254	1035	Ignition Switch Base	Crankless Engines Limited	8.7.1924 - 15.7.1924	sleeve 37	
CE 100	255	1036	Main Bearing Bushes	Crankless Engines Limited	24.6.1924 - 15.7.1924	sleeve 37	
CE 100	256a	1037	Complete Shell for Rear Outing Bearing	Crankless Engines Limited	24.6.1924 - 15.7.1924	sleeve 37	
CE 100	256	1038	Complete Shell for Front Outing Bearing	Crankless Engines Limited	9.7.1924 - 15.7.1924	sleeve 37	
CE 100	257	1039	Magneto Drive Shaft	Crankless Engines Limited	10.10.1923 - 15.7.1924	sleeve 37	Drawn PEI
CE 100	258	1040	Piston Bolt (B Design)	Crankless Engines Limited	15.7.1924	sleeve 37	Drawn and Traced PEI
CE 100	259, 259a	1042	Vertical Exhaust Connection (B Design)	Crankless Engines Limited	11.7.1924 - 15.7.1924	sleeve 37	
CE 100	260, 214	1044	Exhaust Pipe Plug, Gas Valve Spring	Crankless Engines Limited	12.7.1924 - 15.7.1924	sleeve 37	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 100	261, 262, 263, 264	1045	Slant Jet Holder, Slant Jet, Main Bearing Stop Design, Main Bearing Lock Washer	Crankless Engines Limited	12.7.1924 - 15.7.1924	sleeve 37	
CE 100	49, 47, 212, 58	1046	Rocker Ball Pin, Rocker Adjusting Screw, Rocker Lock Nut, Push Rod Cup End	Crankless Engines Limited	14.7.1924 - 15.7.1924	sleeve 37	
CE 100	155	1047	Corehole Cover Plate (Bottom)	Crankless Engines Limited	14.7.1924 0 15.7.1924	sleeve 37	
CE 100	208	1048	Cylinder Head Gasket	Crankless Engines Limited	15.7.1924	sleeve 37	
CE 119	74	1049	Oil Pump Spring Guide	Crankless Engines Limited	15.7.1924	sleeve 38	
		1050	General Arrangement of Tachometer on Gas Engine - Booster Set	Crankless Engines (Aus) Pty Ltd	17.7.1924 - 18.7.1924	sleeve 38	
CE 100		1051	Arrangement of Gas - Air - Throttle Valve (Indicating Method of Control by Governor)	Crankless Engines Limited	21.7.1924 - 10.8.1924	sleeve 38	
CE 100		1052	Arrangement of Exhaust and Water Piping on 50 H.P. Gas Engine	Crankless Engines Limited	18.7.1924 - 21.7.1924	sleeve 38	
CE 100		1054	Assembly of Hand Starting Gear	Crankless Engines (Aus) Pty Ltd	16.7.1924 - 12.8.1924	sleeve 38	
CE 100	263, 264, 265, 266	1055	Spring Retaining Washer, Driving Pulley Flange, Driving Pulley, Driven Pulley	Crankless Engines Limited	17.7.1924 - 23.7.1924	sleeve 38	
CE 102	17	1056	Slant (3/8 Stroke)	Crankless Engines Limited	19.7.1924 - 6.8.1924	sleeve 38	Drawn and Traced PEI
CE 100	267	1057	Mixing Chamber Cover	Crankless Engines Limited	22.7.1924 - 23.7.1924	sleeve 38	
CE 100	268	1058	Throttle Valve Spindle	Crankless Engines Limited	23.7.1924	sleeve 38	
CE 100	269, 270	1059	H.S. Magneto Bracket, End Cap for Part No. 100-45	Crankless Engines (Aus) Pty Ltd	19.7.1924 - 23.7.1924	sleeve 38	
CE 122		1060	General Arrangement of 10 x 7/8 x 1/2 Crankless Water Pump	Crankless Engines (Aus) Pty Ltd	25.7.1924 - 31.7.1924	sleeve 38	
CE 122		1060	General Arrangement of 10 x 7/8 x 1/2 Crankless Water Pump	Crankless Engines (Aus) Pty Ltd	25.7.1924 - 31.7.1924	sleeve 38	Blueprint copy of previous
		1066	General Arrangement of 50 H.P. Crankless Gas Engine 8 x 4 3/4 Bore x 5 5/8 Stroke	Crankless Engines (Aus) Pty Ltd		sleeve 38	
CE 119	75, 76	1069	Suction Pipe Connection, Suction Inlet Cover	Crankless Engines Limited	29.7.1924 - 31.7.1924	sleeve 39	
		1073	Transverse Arrangement of 8 x 4 3/4 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	1.8.1924 - 12.8.1924	sleeve 39	
CE 125	1	1074	Oil Pump Seating	Crankless Engines Ltd	7.8.1924 - 18.8.1924	sleeve 39	
CE 125	4, 2	1075	Driving Dog (Upper), Driving Dog (Lower) (Oil Pumps)	Crankless Engines Limited	6.8.1924 - 18.8.1924	sleeve 39	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 125	7, 3, 8	1076	Pressure Gauge Control Rod, Oil Pump Drive Shaft, Plug for Part No. 125-1	Crankless Engines Limited	7.8.1924 - 18.8.1924	sleeve 39	
CE 125	10, 5, 13	1077	Spring for Part No. 9, Spring (Oil Pump Drive Shaft), Spring (Release Valve)	Crankless Engines Limited	6.8.1924 - 18.8.1924	sleeve 39	
CE 125	15, 16, 8, 14	1079	Strainer Body, Strainer, Indicator Arm, Distance Piece	Crankless Engines Limited	7.8.1924 - 18.8.1924	sleeve 39	
CE 125	12, 11	1080	Release Valve Plug, Release Valve	Crankless Engines Limited	7.8.1924 - 18.8.1924	sleeve 39	
		1083	General Arrangement of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	20.8.1924 - 29.8.1924	sleeve 39	Drawn JWS
		1084	General Arrangement of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	7.8.1924 - 29.8.1924	sleeve 39	Drawn JWS
		1085	General Arrangement of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	21.8.1924 - 29.8.1924	sleeve 39	Drawn JWS
		1086	General Arrangement of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	18.8.1924 - 29.8.1924	sleeve 39	Drawn JWS
		1087	Installation Diagram of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	28.8.1924 - 29.8.1924	sleeve 40	Drawn JWS
		1087	Installation Diagram of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	28.8.1924 - 29.8.1924	sleeve 40	Blueprint copy of previous Drawn JWS
		1088	Piston - Yoke - Slant Assembly of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	26.8.1924 - 29.8.1924	sleeve 40	
		1088	Piston - Yoke - Slant Assembly of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	26.8.1924 - 29.8.1924	sleeve 40	Blueprint copy of previous
		1089	Preliminary Layout of 15.9 H.P. Crankless Petrol Engine Bore 2.82 ins, Stroke 3.9 ins	Crankless Engines Limited	4.9.1924 - 6.9.1924	sleeve 40	Drawn PEI
		1089	Preliminary Layout of 15.9 H.P. Crankless Petrol Engine Bore 2.82 ins, Stroke 3.9 ins	Crankless Engines Limited	4.9.1924 - 6.9.1924	sleeve 40	Blueprint copy of previous Drawn PEI
		1090	Proposed Installation of 15.9 H.P. Crankless Petrol Engine in Austin 12 Chasis	Crankless Engines Limited	5.9.1924 0 6.9.1924	sleeve 40	Drawn and traced PEI
		1090	Proposed Installation of 15.9 H.P. Crankless Petrol Engine in Austin 12 Chasis	Crankless Engines Limited	5.9.1924 0 6.9.1924	sleeve 40	Blueprint Copy of previous Drawn and traced PEI
CE 127	16	1094	Cylinder Head Cap	Crankless Engines (Aus) Pty Ltd	3.9.1924 - 8.9.1924	sleeve 40	Drawn JWS
		1095	<i>Machine frigorifique a Air. Systeme Leblanc. Compresseur deiratte sans vilebrequin</i>	Crankless Engines Limited	6.9.1924	sleeve 40	Drawn AGMM

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		1095	<i>Machine frigorifique a Air. Systeme Leblanc. Compresseur deiratte sans vilebrequin</i>	Crankless Engines Limited	6.9.1924	sleeve 40	Blueprint copy of previous Drawn AGMM
CE 127	5, 79	1098	Yoke End Fitting, Piston Dowel Pin	Crankless Engines (Aus) Pty Ltd	24.9.1924 - 27.9.1924	sleeve 41	
CE 127	1, 1a, 2	1100	Slipper Rod (R.H.), Slipper Rod (L.H.), Slipper Tail	Crankless Engines (Aus) Pty Ltd	3.9.1924 - 12.9.1924	sleeve 41	
CE 127	7, 8, 4	1101	Slipper Tail Guide, Slipper Spring, Slipper Cup Lock Nut	Crankless Engines Limited	3.9.1924 - 12.9.1924	sleeve 41	
CE 127	3, 9	1102	Slipper Cup, Slipper Pin	Crankless Engines Limited	3.9.1924 - 12.9.1924	sleeve 41	
CE 127	10, 11	1103	Peripheral Slipper, Peripheral Guide Pin	Crankless Engines (Aus) Pty Ltd	3.9.1924 - 12.9.1924	sleeve 41	
CE 127	12, 13	1104	Pressure Ring, Scraper Ring	Crankless Engines (Aus) Pty Ltd	24.9.1924 - 17.9.1924	sleeve 41	
CE 127	14	1105	Yoke Guide	Crankless Engines Limited	5.9.1924 - 12.9.1924	sleeve 41	
CE 101	226	1106	Yoke	Crankless Engines (Aus) Pty Ltd	13.9.1924 - 16.9.1924	sleeve 41	Drawn and Traced PEI
CE 101	221	1107	Slipper Cup	Crankless Engines Limited	15.9.1924 - 16.9.1924	sleeve 41	Drawn PEI
CE 101	225, 228	1108	Slipper Tail Guide, Peripheral Slipper	Crankless Engines Limited	11.9.1924 - 16.9.1924	sleeve 41	Drawn and Traced PEI
CE 101	258	1111	End Cover Gland	Crankless Engines Limited	16.9.1924 - 22.9.1924	sleeve 41	
CE 101	230	1112	Main Bearing Cap	Crankless Engines Limited	10.9.1924 - 22.9.1924	sleeve 41	
CE 101	231	1113	Main Bearing Shell	Crankless Engines Limited	9.9.1924 - 22.9.1924	sleeve 41	
CE 101	232	1114	Outer Bearing Cap	Crankless Engines Limited	10.9.1924 - 22.9.1924	sleeve 41	
CE 101	234	1115	Outer Bearing Shell	Crankless Engines Limited	9.9.1924 - 22.9.1924	sleeve 42	
CE 101	233	1116	Outer Bearing Base	Crankless Engines (Aus) Pty Ltd	10.9.1924 - 22.9.1924	sleeve 42	
		1117	Longitudinal Section. General Arrangement of 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	27.9.1924 - 6.1.1925	sleeve 42	Blueprint copy Drawn JWS
		1118	General Arrangement of Piston - Yoke Unit 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	10.11.1924 - 6.1.1925	sleeve 42	Blueprint copy Drawn JWS
		1119	General Arrangement of Valve Operating Mechanism 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	8.11.1924 - 6.1.1925	sleeve 42	Blueprint copy Drawn JWS
		1120	End View of 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	1.11.1924 - 6.1.1925	sleeve 42	Blueprint copy Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 127		1123	Arrangement of Exhaust and Water Piping on 100 H.P. Gas Engine	Crankless Engines Limited	28.10.1924 - 11.11.1924	sleeve 42	Blueprint copy
CE 101	243, 244, 247	1129	Delivery Valve Setscrew (Hex), Delivery Valve Setscrew (Csk), Washer for Part No. 101-246	Crankless Engines (Aus) Pty Ltd	23.9.1924	sleeve 42	
CE 127	42, 42a	1131	Thrust Bearing, Slipper Pad	Crankless Engines Limited	17.9.1924 - 19.9.1924	sleeve 42	
CE 127	44	1132	Thrust Washer	Crankless Engines (Aus) Pty Ltd	17.9.1924 - 29.9.1924	sleeve 42	
CE 127	100	1133	Piston	Crankless Engines (Aus) Pty Ltd	24.9.1924 - 27.9.1924	sleeve 43	
CE 127	103, 101, 102	1134	Lock Washer for Piston Nut, Piston Plug, Piston Stud	Crankless Engines (Aus) Pty Ltd	24.9.1924 - 29.9.1924	sleeve 43	
CE 116	6	1135	Monogram Plate	Crankless Engines Limited	15.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	98, 99	1136	Cylinder Head Cap Stud, Cylinder Head Nut	Crankless Engines Limited	15.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	41, 43	1137	Fixed Ring Location Screw, T.B. Slipper Location Screw	Crankless Engines (Aus) Pty Ltd	25.9.1924 - 29.9.1924	sleeve 43	
CE 127	91, 32	1139	Cam Rocker Ball Pin, Push Rod Cup End	Crankless Engines (Aus) Pty Ltd	25.9.1924 - 29.9.1924	sleeve 43	
CE 127	20, 26	1140	Valve Stem Collar, Bush for Part No. 127-27	Crankless Engines Limited	5.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	21, 30	1141	Valve Spring Cup, Valve Rocker Pin Set Screw	Crankless Engines Limited	5.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	19	1142	Valve Guide	Crankless Engines Limited	5.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	27, 28	1143	Valve Tappet, Valve Rocker Adjusting Screw	Crankless Engines (Aus) Pty Ltd	25.9.1924 - 29.9.1924	sleeve 43	
CE 127	29	1144	Valve Rocker Pin	Crankless Engines Limited	5.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	107	1145	Idler Spiral Wheel	Crankless Engines Limited	8.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	105	1146	Camshaft Drive Bevel Pinion	Crankless Engines Limited	9.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	108	1147	Camshaft Spiral Wheel	Crankless Engines Limited	9.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	104	1148	Camshaft Drive Bevel Wheel	Crankless Engines Limited	9.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	106	1149	Camshaft Drive Spiral Gear Wheel	Crankless Engines Limited	9.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	109, 110	1150	Idler Wheel Bolt, B/B Adjusting Washer	Crankless Engines Limited	8.9.1924 - 29.9.1924	sleeve 43	Drawn JWS
CE 127	92	1151	Cam Rocker Pin	Crankless Engines (Aus) Pty Ltd	24.9.1924 - 29.9.1924	sleeve 43	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 127	86, 87, 88, 89	1152	Cam Roller, Cam Roller Pin, Cam Roller Pin Collar, Cam Rocker Bush	Crankless Engines (Aus) Pty Ltd	24.9.1924 - 29.9.1924	sleeve 43	
CE 127	111, 112	1153	Idler Wheel Adjusting Plate, Idler Wheel Thrust Washer	Crankless Engines Limited	8.9.1924 - 2.5.1925	sleeve 43	
CE 127	55	1155	Rear Bearing Shell	Crankless Engines (Aus) Pty Ltd	17.9.1924 - 29.9.1924	sleeve 44	
CE 127	54	1156	Rear Bearing Cap	Crankless Engines (Aus) Pty Ltd	17.9.1924 - 29.9.1924	sleeve 44	
CE 127	24	1157	Valve Rocker	Crankless Engines Limited	5.9.1924 - 19.9.1924	sleeve 44	
CE 127	17, 18	1159	Valve (Inlet), Valve (Exhaust)	Crankless Engines Limited	4.9.1924 - 19.9.1924	sleeve 44	Drawn JWS
CE 127	90	1160	Cam Rocker	Crankless Engines (Aus) Pty Ltd	24.9.1924 - 29.9.1924	sleeve 44	
CE 127	23, 31, 25	1161	Valve Stem Cap, Valve Rocker Distance Piece, Valve Rocker Bush	Crankless Engines Limited	6.9.1924 - 19.9.1924	sleeve 44	Drawn JWS
CE 127	52	1163	Front Main Bearing Bronze Shell	Crankless Engines (Aus) Pty Ltd	20.9.1924 - 6.10.1924	sleeve 44	
CE 127	53	1164	Rear Main Bearing Bronze Shell	Crankless Engines (Aus) Pty Ltd	20.9.1924 - 6.10.1924	sleeve 44	
CE 127	60	1166	Sliding Sleeve	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 44	Drawn JWS
CE 127	61	1167	Fixed Sleeve (Gas Mixer)	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 44	Drawn JWS
CE 127	62	1168	Gas Mixer Fan	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 44	Drawn JWS
CE 127	63, 72	1169	Gas Mixer Shaft, Fan Retaining Collar	Crankless Engines Limited	29.9.1924 - 6.10.1924	sleeve 44	Drawn JWS
CE 127	64	1170	Gas Mixer Shaft Nut	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 44	Drawn JWS
CE 127	65	1171	End Cover for Gas Mixer	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 45	Drawn JWS
CE 127	66	1172	Hand Wheel	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 45	Drawn JWS
CE 127	67, 77	1173	Relief Valve, Relief Valve Locking Screw	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 45	Drawn JWS
CE 127	68, 74	1174	Relief Valve Centre Pin, Relief Valve Spring	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 45	Drawn JWS
CE 127	69, 73, 75, 199	1175	Relief Valve Adjusting Nut, Slow Running Adjusting Screw, Hand Wheel Lock Nut, Relief Valve Stop	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 45	Drawn JWS
CE 127	71, 70, 163	1176	Air Screen, Gouze, Air Screen Hood Standard	Crankless Engines Limited	9.10.1924 - 13.10.1924	sleeve 45	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 127	76	1177	Gas Mixer Shaft Locking Lever	Crankless Engines (Aus) Pty Ltd	30.9.1924 - 6.10.1924	sleeve 45	Drawn JWS
CE 127	122	1179	Exhaust Vertical Connection	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 6.10.1924	sleeve 45	
CE 127	116, 117	1194	Lock Washer for Part No. 127-57, Camshaft Rivet	Crankless Engines (Aus) Pty Ltd	30.9.1924 - 6.10.1924	sleeve 45	
CE 127	128, 118	1195	Special Woodruff Key, Special Nut	Crankless Engines (Aus) Pty Ltd	1.10.1924 - 6.10.1924	sleeve 45	
CE 127	50, 49	1196	Lower Bush for Part No. 127-113	Crankless Engines (Aus) Pty Ltd	2.10.1924 - 6.10.1924	sleeve 45	
CE 127	114, 58	1197	Upper Camshaft Bush, Lower Camshaft Bush	Crankless Engines (Aus) Pty Ltd	1.10.1924 - 6.10.1924	sleeve 45	
CE 127	113	1198	Camshaft Drive Shaft	Crankless Engines (Aus) Pty Ltd	2.10.1924 - 6.10.1924	sleeve 45	
CE 101	241, 242	1199	Main Bearing Shims, Outer Bearing Shims	Crankless Engines (Aus) Pty Ltd	6.10.1924 - 8.10.1924	sleeve 45	
CE 101	237	1200	Slipper Clearance Shim	Crankless Engines Limited	6.10.1924 - 8.10.1924	sleeve 45	
CE 127	46	1201	Cylinder Block Water Connection	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 6.10.1924	sleeve 45	
CE 127	147	1202	Core Hole Cover Plate	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 6.10.1924	sleeve 45	
CE 127	33	1204	Push Rod	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 6.10.1924	sleeve 45	
CE 127	123	1180	Gland (Vertical Exhaust Connection)	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 6.10.1924	sleeve 46	
CE 127	124, 125	1181	Gland Nut, Plug for Part No. 127-122	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 6.10.1924	sleeve 46	
CE 127	133	1182	Stop Pin for Part No. 127-39	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 46	
CE 127	127, 97, 126	1183	Washer for Part No. 127-, Outer Bearing Cap Screw, Special Nut (Camshaft Drive)	Crankless Engines (Aus) Pty Ltd	2.10.1924 - 6.10.1924	sleeve 46	
CE 101	236	1184	Key for Coupling	Crankless Engines Limited	30.1.1925	sleeve 46	
CE 127	129	1187	Thrust Bearing Washer Lock Nut	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 46	
CE 127	130, 22	1188	Locking Wire for Part No. 127-129, Valve Spring	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 13.10.1924	sleeve 46	
CE 127	131	1189	Front End Bearing	Crankless Engines (Aus) Pty Ltd	25.9.1924 - 6.10.1924	sleeve 46	
CE 127	132	1190	Front End Bearing Bronze	Crankless Engines (Aus) Pty Ltd	25.9.1924 - 6.10.1924	sleeve 46	
CE 127	134	1191	Starting Sprocket Mounting	Crankless Engines (Aus) Pty Ltd	29.9.1924 - 6.10.1924	sleeve 46	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 127	115	1192	Camshaft Thrust Washer	Crankless Engines (Aus) Pty Ltd	30.9.1924 - 6.10.1924	sleeve 46	
CE 127	57	1193	Centre Camshaft Bush	Crankless Engines (Aus) Pty Ltd	1.10.1924 - 6.10.1924	sleeve 46	
CE 101	262, 263	1205	Thrust Bearing Stop In, Oil drain Inpection Cover	Crankless Engines Limited	8.10.1924 - 10.10.1924	sleeve 46	
CE 101	264, 265, 266	1206	Main Joint Dowel Pin, Bearing Dowel Pin, Piston Dowel Pin	Crankless Engines Limited	8.10.1924 - 10.10.1924	sleeve 46	
CE 101, CE 118, CEN	169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 118-2, CEN-7F	1208	Section on A.A	Crankless Engines (Aus) Pty Ltd	29.10.1924 - 2.2.1925	sleeve 46	Drawn PEI
CE 101	222, 229	1209	Pin for Peripheral Slipper, Slipper Tail Guide Pin	Crankless Engines Limited	23.4.1925 - 25.4.1925	sleeve 46	Drawn PEI
CE 101	223, 224, 224a	1210	Tension Bolt, Tension Bolt Nut, Tension Bolt Washer	Crankless Engines Limited	19.11.1924 - 25.4.1925	sleeve 46	Drawn PEI
CE 101	227	1211	Yoke Extension Tube	Crankless Engines (Aus) Pty Ltd	18.12.1924 - 19.12.1924	sleeve 46	Drawn PEI
CE 101	248, 251, 253, 261	1212	Float Rod, Drain Valve Link Pin, Float Rod Standard Pin, Float	Crankless Engines Limited	18.11.1924 - 25.4.1925	sleeve 47	Drawn PEI
CE 101	249, 250, 252, 259	1213	Drain Valve, Drain Valve Link, Float Rod Standard, Drain Valve Guide	Crankless Engines (Aus) Pty Ltd	18.11.1924 - 25.4.1925	sleeve 47	Drawn PEI
CE 101	254, 260	1214	Float Rod Valve Fitting, Float Rod End Fitting	Crankless Engines Limited	20.11.1924 - 25.4.1925	sleeve 47	Drawn PEI
CE 127	45	1215	End Clamps	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 13.10.1924	sleeve 47	
CE 127	47	1216	Rear End Gland	Crankless Engines Limited	2.10.1924 - 13.10.1924	sleeve 47	Drawn JWS
CE 127	83, 82	1217	Slant Sone Washer, Slant Key	Crankless Engines (Aus) Pty Ltd	2.10.1924 - 13.10.1924	sleeve 47	Drawn JWS
CE 127	85, 84	1218	Slant Nut Lock Washer, Slant Ring Nut	Crankless Engines (Aus) Pty Ltd	30.9.1924 - 13.10.1924	sleeve 47	Drawn JWS
CE 127	149, 155	1220	Bell Crank Bracket, Magneto Dowel Pin	Crankless Engines Limited	6.10.1924 - 13.10.1924	sleeve 47	Drawn and Traced PEI
CE 127	150, 151, 152	1221	Control Rod End, Long Control Rod, Short Control Rod	Crankless Engines Limited	6.10.1924 - 13.10.1924	sleeve 47	Drawn and Traced PEI
CE 127	153, 154, 157	1222	Control Rod Pin, Bell Crank Pin, Contact Breaker Pin	Crankless Engines Limited	6.10.1924 - 13.10.1924	sleeve 47	Drawn and Traced PEI
CE 127	156	1223	Governor Shaft	Crankless Engines Limited	1.10.1924 - 13.10.1924	sleeve 47	Drawn and Traced PEI
CE 127	158, 159	1224	Ignition Cut-Out Switch, Ignition Swith Brush-Holder	Crankless Engines Limited	4.10.1924 - 13.10.1924	sleeve 47	Drawn and Traced PEI
CE 127	160, 161	1225	Ignition Switch Contact, Insulating Washer	Crankless Engines Limited	4.10.1924 - 13.10.1924	sleeve 47	Drawn and Traced PEI
CE 127	162	1226	Impulse Starter Stop	Crankless Engines Limited	1.10.1924 - 13.10.1924	sleeve 47	Drawn and Traced PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 127	78	1227	Air Screen Hood	Crankless Engines (Aus) Pty Ltd	9.10.1924 - 13.10.1924	sleeve 47	
CE 127	141	1228	Mainshaft End Cap	Crankless Engines Limited	9.10.1924 - 13.11.1924	sleeve 47	Drawn and Traced PEI
CE 127	135	1229	Nut for Part No. 127-134	Crankless Engines Limited	8.10.1924 - 21.10.1924	sleeve 47	Drawn and Traced PEI
CE 127	140	1230	Starting Sprocket Bush	Crankless Engines Limited	9.10.1924 - 13.11.1924	sleeve 47	Drawn and Traced PEI
CE 127	121, 120	1231	Special Ring Nut, Head Water Connection	Crankless Engines (Aus) Pty Ltd	10.10.1924 - 13.10.1924	sleeve 48	
CE 127	164, 165	1232	Rear Bearing Shim, Main Bearing Shim	Crankless Engines Limited	3.10.1924 - 13.10.1924	sleeve 48	
CE 127	144	1233	Cylinder Head Gasket	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 13.10.1924	sleeve 48	
CE 127	167, 48, 119	1234	Oil Drain Plug, Thrust Bearing Location Washer, Key for Part no.127-104	Crankless Engines Limited	3.10.1924 - 21.10.1924	sleeve 48	
CE 127	168, 169, 170, 171, 172	1235	Main Joint Dowel Pin, Main bearing Dowel Pin, Rear Bearing Dowel Pin, Cam Rocker Plate Dowel Pin, Magneto Drive Housing Dowel Pin	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 21.10.1924	sleeve 48	
CE 118	31, 34	1236	3/8 Right Angle Union Body, 3/8 Right Angle Lock Washer	Crankless Engines Limited	10.10.1924 - 21.10.1924	sleeve 48	
CE 127	143, 34, 34a, 173	1237	Slant Oil Jet (Front), Slant Oil Holder (Front), Slant Oil Holder (Rear), Slant Oil Jet Rear	Crankless Engines (Aus) Pty Ltd	13.10.1924 - 22.10.1924	sleeve 48	
CE 127	32, 33	1238	No. 1 Petrol Union Locking Plate, No. 1 Petrol Union Locking Plate Washer	Crankless Engines Limited	13.10.1924 - 21.10.1924	sleeve 48	
CE 127	174, 175, 176, 177	1239	Cylinder Block Stud, Cylinder Block Stud, Main Bearing Adjusting Stud, Special Stud for Part No. 127-3	Crankless Engines (Aus) Pty Ltd	13.10.1924 - 21.10.1924	sleeve 48	
CE 127	178, 179, 187	1240	Special Nut for Part No. 127-176, Distance Piece for Parts No. 127-52 and 127-53, Oil Connection Clip	Crankless Engines Limited	14.10.1924 - 21.10.1924	sleeve 48	
CE 127	180, 166	1241	Special Setscrew for Part No. 127-51a and 127-51, Special Bolt for Part No. 127-111	Crankless Engines Limited	13.10.1924 - 21.10.1924	sleeve 48	
CE 127	142, 139, 137	1245	Spring for Part No. 127-138, Starting Dog Clutch Key, Dog Clutch Grubscrew	Crankless Engines Limited	8.10.1924 - 13.11.1924	sleeve 48	Drawn and Traced PEI
CE 127	138	1246	Starting Dog Clutch	Crankless Engines (Aus) Pty Ltd	2.10.1924 - 13.11.1924	sleeve 48	Drawn PEI
CE 127	136	1247	Starting Chain Sprocket (Engine)	Crankless Engines (Aus) Pty Ltd	2.10.1924 - 13.11.1924	sleeve 48	Drawn PEI
CE 101	267	1253	End Plate Gland Nut	Crankless Engines Limited	20.10.1924 - 23.10.1924	sleeve 48	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	239, 269	1252	End Plate Gland, Locking Plate for Part No. 101-267	Crankless Engines (Aus) Pty Ltd	20.10.1924 - 23.10.1924	sleeve 49	
CE 101	268	1254	End Plate Gland Sleeve	Crankless Engines Limited	21.10.1924 - 23.10.1924	sleeve 49	
CE 127	189, 190	1260	Auxiliary Drive Sprocket, Coupling Key (Main Shaft)	Crankless Engines Limited	10.11.1924 - 13.11.1924	sleeve 49	Drawn JWS
CE 127	121	1262	Exhaust Stuffing Box Pipe	Crankless Engines Limited	10.11.1924 - 11.11.1924	sleeve 49	
CE 127	192, 193	1263	Exhaust Pipe Stuffing Box, Exhaust Pipe Stuffing Gland	Crankless Engines Limited	24.10.1924 - 11.11.1924	sleeve 49	
CE 129	1	1265	Auxiliary Gear Box Sprocket	Crankless Engines Limited	10.11.1924 - 13.11.1924	sleeve 49	Drawn JWS
CE 130	2	1269	Starting Gear Sprocket	Crankless Engines Limited	10.11.1924 - 17.11.1924	sleeve 49	Drawn JWS
CE 130	3	1270	Large Planet Plate Shaft	Crankless Engines (Aus) Pty Ltd	22.10.1924 - 17.11.1924	sleeve 49	Drawn PEI
CE 130	4, 5, 6	1271	Ball Bearing Distance Piece, Retaining Washer, Retaining Washer Nut	Crankless Engines Limited	21.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	7, 8	1272	Long Planet Wheel Pin, Short Planet Wheel Pin	Crankless Engines Limited	21.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	9, 10	1273	Large Planet Wheel, Small Planet Wheel	Crankless Engines Limited	22.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	11	1274	Large Planet Plate	Crankless Engines Limited	22.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	12, 13	1275	Large Planet Locking Plate, Small Planet Locking Plate	Crankless Engines Limited	22.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	14	1276	Small Planet Wheel Carrier	Crankless Engines Limited	22.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	15	1277	Small Planet Plate	Crankless Engines Limited	22.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	17, 16	1278	Spigot Bush, Small Planet Carrier Bush	Crankless Engines (Aus) Pty Ltd	22.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	18	1279	Ball Bearing Cover Plate	Crankless Engines Limited	22.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	19, 20	1280	Large Planet Wheel Carrier Bolt, Small Planet Wheel Carrier Bolt	Crankless Engines Limited	22.10.1924 - 17.10.1924	sleeve 49	Drawn PEI
CE 130	21, 22	1281	Distance Piece for Part No. 130-19, Distance Piece for Part No. 130-20	Crankless Engines Limited	23.10.1924 - 17.10.1924	sleeve 50	Drawn PEI
CE 128	24	1283	Front Main Bearing Shell	Crankless Engines Limited	15.11.1924 - 18.11.1924	sleeve 50	Drawn TLS
CE 128	25	1284	Rear Main Bearing Shell	Crankless Engines Limited	15.11.1924 - 18.11.1924	sleeve 50	Drawn TLS
CE 128	25	1285	Thrust Bearing Housing	Crankless Engines (Aus) Pty Ltd	12.11.1924 - 18.11.1924	sleeve 50	Drawn TLS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 128	27, 27a	1286	T.B. Slipper Pads R.H., T.B. Slipper Pads L.H.	Crankless Engines (Aus) Pty Ltd	12.11.1924 - 18.11.1924	sleeve 50	Drawn TLS
CE 128	39	1287	Front Main Bearing Cap	Crankless Engines (Aus) Pty Ltd	14.11.1924 - 18.11.1924	sleeve 50	Drawn TLS
CE 128	40	1288	Rear Main Bearing Cap	Crankless Engines (Aus) Pty Ltd	14.11.1924 - 18.11.1924	sleeve 50	Drawn TLS
CE 131	3, 3a	1296	Thrust Bearing, Slipper Pads	Crankless Engines (Aus) Pty Ltd	29.10.1924 - 20.11.1924	sleeve 50	
CE 128	28	1297	T.B. Thrust Washer	Crankless Engines (Aus) Pty Ltd	12.11.1924 - 6.1.1925	sleeve 50	Drawn TLS
CE 128	29, 30	1298	Thrust Washer Seat (Plain), Thrust Washer Seat (Screwed)	Crankless Engines (Aus) Pty Ltd	30.12.1924 - 6.1.1925	sleeve 50	
CE 128	32	1299	T.B. Distance Piece	Crankless Engines Limited	13.11.1924 - 20.11.1924	sleeve 50	Drawn TLS
CE 128	34, 35	1300	Slipper Pad Pin, Slipper Pad Washer	Crankless Engines Limited	12.11.1924 - 20.11.1924	sleeve 50	Drawn TLS
CE 128	51, 51a, 53, 54, 55	1302	Valve (Inlet), Valve (Exhaust), Valve Spring Cup, Valve Spring Collar, Valve Stem Cap	Crankless Engines (Aus) Pty Ltd	12.11.1924 - 20.11.1924	sleeve 50	
CE 128	56	1303	Valve Guide	Crankless Engines Limited	11.11.1924 - 20.11.1924	sleeve 50	
CE 128	57	1305	Camshaft Bush (Centre)	Crankless Engines Limited	21.11.1924 - 24.11.1924	sleeve 51	
CE 128	44, 45	1306	Front Outer Bearing Cap, Rear Outer Bearing Cap	Crankless Engines (Aus) Pty Ltd	18.11.1924 - 21.11.1924	sleeve 51	
CE 128	46	1307	Rear Outer Bearing Shell	Crankless Engines (Aus) Pty Ltd	17.11.1924 - 21.11.1924	sleeve 51	
CE 128	3, 13	1308	Piston Pin, Piston Pin Locking Screw	Crankless Engines Limited	17.11.1924 - 24.11.1924	sleeve 51	Drawn and Traced PEI
CE 128	4	1309	Slipper Cup	Crankless Engines Limited	13.11.1924 - 24.11.1924	sleeve 51	Drawn and Traced PEI
CE 128	5, 5a, 6	1310	Slipper Pad (R.H.), Slipper Pad (L.H.), Slipper Tail	Crankless Engines Limited	13.11.1924 - 24.11.1924	sleeve 51	Drawn and Traced PEI
CE 128	7	1311	Slipper Tail Guide	Crankless Engines Limited	13.11.1924 - 24.11.1924	sleeve 51	Drawn and Traced PEI
CE 128	8, 62	1312	Slipper Adjustment Shim, Locking Plate for Part No. 128-13	Crankless Engines Limited	14.11.1924 - 24.11.1924	sleeve 51	Drawn and Traced PEI
CE 128	9	1313	Peripheral Slipper	Crankless Engines Limited	19.11.1924 - 24.11.1924	sleeve 51	Drawn and Traced PEI
CE 128	10	1314	Peripheral Slipper Spring	Crankless Engines Limited	14.11.1924 - 24.11.1924	sleeve 51	Drawn and Traced PEI
CE 128	11, 12	1315	Pressure Ring, Scraper Ring	Crankless Engines (Aus) Pty Ltd	18.11.1924 - 24.11.1924	sleeve 51	Drawn and Traced PEI
CE 128	58, 60	1316	Locking Plate for Part No. 128-23, Key for Camshaft Spiral Gear	Crankless Engines Limited	24.11.1924	sleeve 51	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 128	23, 61	1317	Camshaft Gearwheel Nut, Crankshaft Thrust Washer (Lower)	Crankless Engines Limited	24.11.1924	sleeve 51	
CE 128	59, 59a	1318	Camshaft Spiral Gear R.H., Camshaft Spiral Gear L. H.	Crankless Engines Limited	24.11.1924	sleeve 51	
CE 128	63, 64, 65, 66	1319	Front Outer Bearing Shim, Front Main Bearing Shim, Rear Outer Bearing Shim, Rear Main Bearing Shim	Crankless Engines Limited	24.11.1924	sleeve 51	Drawn TLS
		1320	Section at G-G (Vide Drg. No. 1083) Dog Drive for Scavenge Pump Rotary Valve 250 S.H.P. Diesel Engine	Crankless Engines Limited	25.11.1924	sleeve 51	
CE 129	5, 4, 3	1321	Spiral Wheel (Oil Pump Drive), Spiral Wheel (Water Pump Drive), Drive Shaft Spiral Pinion	Crankless Engines Limited	14.11.1924 - 27.11.1924	sleeve 51	
CE 129	7	1322	Thrust Washer	Crankless Engines Limited	13.11.1924 - 17.11.1924	sleeve 51	
CE 129	6, 16	1323	Spiral Pinion Key, Spiral Wheel Key	Crankless Engines Limited	14.11.1924 - 27.11.1924	sleeve 52	
CE 129	15	1324	Driven Shaft	Crankless Engines Limited	14.11.1924 - 27.11.1924	sleeve 52	
CE 129	13, 17	1325	Drive Shaft Nut, Nut for Part No. 129-15	Crankless Engines Limited	14.11.1924 - 27.11.1924	sleeve 52	
CE 129	8, 18, 14	1326	Thrust Washer Pin, Washer for Parts No. 129-15 and 129-2	Crankless Engines Limited	14.11.1924 - 27.11.1924	sleeve 52	
CE 129	36	1329	Slant	Crankless Engines (Aus) Pty Ltd	24.11.1924 - 28.11.1924	sleeve 52	Drawn and Traced PEI
CE 130	23	1330	Clutch Shaft	Crankless Engines Limited	5.11.1924 - 3.12.1924	sleeve 52	Drawn PEI
CE 130	35, 37	1331	Engine Base Plate, Drain Plug	Crankless Engines Limited	11.11.1924 - 3.12.1924	sleeve 52	Drawn TLS
CE 130	39	1332	Clutch Cone	Crankless Engines (Aus) Pty Ltd	6.11.1924 - 3.12.1924	sleeve 52	Drawn PEI
CE 130	38, 40	1333	Clutch Base, Clutch Roller	Crankless Engines Limited	5.11.1924 - 3.12.1924	sleeve 52	Drawn PEI
CE 130	41	1334	Gear Box Housing	Crankless Engines (Aus) Pty Ltd	24.11.1924 - 3.12.1924	sleeve 52	Drawn PEI
CE 129	2	1335	Drive Shaft	Crankless Engines Limited	13.11.1924 - 3.12.1924	sleeve 52	
CE 129	11, 19	1336	Driven Shaft Bush, Driven Shaft Cover	Crankless Engines Limited	13.11.1924 - 3.12.1924	sleeve 52	
CE 129	12	1337	Drive Shaft Cover	Crankless Engines Limited	13.11.1924 - 3.12.1924	sleeve 52	
CE 129	9, 10	1338	Drive Shaft Bush (Long), Drive Shaft Bush (Short)	Crankless Engines Limited	13.11.1924 - 3.12.1924	sleeve 52	
CE 128	67	1339	End Cover for Gas Mixer	Crankless Engines Limited	26.11.1924 - 3.12.1924	sleeve 52	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 128	68, 69	1340	Throttle Valve Spindle	Crankless Engines Limited	26.11.1924 - 3.12.1924	sleeve 52	
CE 130	36	1341	Annulus	Crankless Engines Limited	25.11.1924 - 3.12.1924	sleeve 52	Drawn PEI
CE 119	78	1343	Experimental Piston End for 3 Cylinder Compressor	Crankless Engines (Aus) Pty Ltd	28.11.1924 - 2.12.1924	sleeve 53	
CE 128	70	1347	Auxiliary Drive Sprocket	Crankless Engines Limited	20.11.1924 - 3.12.1924	sleeve 53	
CE 130	55	1348	Starting Sprocket (Large)	Crankless Engines Limited	21.11.1924 - 3.12.1924	sleeve 53	
CE 128	16, 17	1350	Cover for Oil Tank, Cover for Oil Tank	Crankless Engines Limited	18.11.1924 - 4.12.1924	sleeve 53	Drawn JWS
CE 128	19	1352	Special Union for Part No. 128-18	Crankless Engines Limited	2.12.1924 - 4.12.1924	sleeve 53	Drawn JWS
CE 128	20	1353	Special Socket for Part No. 128-19	Crankless Engines Limited	2.12.1924 - 4.12.1924	sleeve 53	Drawn JWS
CE 119	79	1354	Thrust Bearing Seating	Crankless Engines (Aus) Pty Ltd	3.12.1924 - 8.12.1924	sleeve 53	
CE 130	24	1356	Starting Handle Bearing	Crankless Engines Limited	26.11.1924 - 6.12.1924	sleeve 53	Drawn JWS
CE 130	25, 28	1357	Bush for Starting Handle Bearing, Bush for Starting Handle Claw	Crankless Engines Limited	20.11.1924 - 6.12.1924	sleeve 53	Drawn JWS
CE 130	26	1358	Driven Starting Claw	Crankless Engines Limited	26.11.1924 - 6.12.1924	sleeve 53	Drawn JWS
CE 130	29	1359	Starting Handle Claw	Crankless Engines Limited	25.11.1924 - 6.12.1924	sleeve 53	Drawn JWS
CE 130	27	1360	Centring Pin for Starting Handle	Crankless Engines Limited	22.11.1924 - 6.12.1924	sleeve 53	Drawn JWS
CE 130	32, 33	1361	Crip Spindle, Crip for Starting Handle	Crankless Engines Limited	21.11.1924 - 6.12.1924	sleeve 53	Drawn JWS
CE 130	42, 43	1362	Clutch Roller Bush, Pedal Shaft Standard	Crankless Engines Limited	20.11.1924 - 6.12.1924	sleeve 53	Drawn PEI
CE 130	44	1363	Clutch Pedal Shaft	Crankless Engines Limited	19.11.1924 - 6.12.1924	sleeve 53	Drawn PEI
CE 130	45	1364	Clutch Fork	Crankless Engines Limited	25.11.1924 - 6.12.1924	sleeve 53	Drawn PEI
CE 130	49, 50	1365	Clutch Spring, Special 1/2 Dia. Whit Set Screw for Clutch Pedal	Crankless Engines Limited	25.11.1924 - 6.12.1924	sleeve 53	Drawn JWS
CE 130	51	1366	Flywheel	Crankless Engines (Aus) Pty Ltd	17.11.1924 - 6.12.1924	sleeve 54	Drawn PEI
CE 128	71	1369	Cylinder Head Gasket	Crankless Engines Limited	15.7.1924 - 7.1.1925	sleeve 54	
CE 130	53	1371	Bracket for Auxiliary Starter Shaft	Crankless Engines (Aus) Pty Ltd	11.12.1924 - 12.12.1924	sleeve 54	
CE 130	54	1372	Auxiliary Starter Shaft	Crankless Engines Limited	11.12.1924 - 12.12.1924	sleeve 54	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 130	57, 58	1373	Large Bush for Starter Shaft Bracket, Small Bush for Starter Shaft Bracket	Crankless Engines Limited	11.12.1924 - 12.12.1924	sleeve 54	
CE 130	59, 52	1374	Nut for Auxiliary Starter Shaft, Distance Piece for Part No. 130-23	Crankless Engines Limited	24.11.1924 - 12.12.1924	sleeve 54	Drawn JWS
CE 130	60	1375	Support for Auxiliary Starter Shaft Bracket	Crankless Engines Limited	9.12.1924 - 13.12.1924	sleeve 54	
CE 101	209	1376	Driving Chain Sprocket for Tachometer Drive	Crankless Engines Limited	4.12.1924 - 15.12.1924	sleeve 54	Drawn JWS
CE 133	2	1377	Driven Chain Sprocket for Tachometer Drive	Crankless Engines Limited	4.12.1924 - 15.12.1924	sleeve 54	Drawn JWS
CE 134	1	1379	Pump Cover (Suction End)	Crankless Engines (Aus) Pty Ltd	13.12.1924 - 23.12.1924	sleeve 54	Drawn TLS
CE 134	5, 6, 7, 38, 39	1380	Relief Valve, Relief Valve Spring, Relief Valve Spring Cap, Relief Valve Adjusting Screw, Locking Plate for Part No. 134-25	Crankless Engines Limited	12.12.1924 - 23.12.1924	sleeve 54	Drawn TLS
CE 134	8	1381	Relief Valve Cover	Crankless Engines Limited	13.12.1924 - 23.12.1924	sleeve 54	Drawn TLS
CE 134	9, 10, 11, 12	1382	Gear Wheel Housing (Left Hand)	Crankless Engines Limited	12.12.1924 - 23.12.1924	sleeve 54	Drawn TLS
CE 134	13, 14, 15, 16	1383	Gear Wheel Housing (Right Hand)	Crankless Engines Limited	12.12.1924 - 23.12.1924	sleeve 54	Drawn TLS
CE 134	17, 18, 19, 20, 21, 22, 23, 24	1384	Gearwheel (Driven), Gearwheel (Free)	Crankless Engines Limited	12.12.1924 - 23.12.1924	sleeve 54	Drawn TLS
CE 134	25	1385	Gland Nut	Crankless Engines Limited	12.12.1924 - 23.12.1924	sleeve 54	Drawn TLS
CE 134	26, 27	1386	Driving Shaft, Layshaft	Crankless Engines Limited	12.12.1924 - 23.12.1924	sleeve 54	Drawn TLS
CE 134	28, 29	1387	Driving Shaft, Layshaft	Crankless Engines Limited	12.12.1924 - 23.12.1924	sleeve 55	Drawn TLS
CE 134	30, 31, 32, 33, 34, 35, 36	1388	Special Pump Studs, Special Pump Stud Nut	Crankless Engines Limited	13.12.1924 - 23.12.1924	sleeve 55	Drawn TLS
CE 134	37	1389	Suction Pipe Flange	Crankless Engines Limited	13.12.1924 - 23.12.1924	sleeve 55	Drawn TLS
CE 118	36, 37	1390	3/8 Right Angle Union Body/ 3/8 Right Angle Union Body Set Screw	Crankless Engines Limited	13.12.1924 - 23.12.1924	sleeve 55	Drawn TLS
CE 128	52	1392	Valve Spring	Crankless Engines Limited	31.12.1924 - 7.1.1925	sleeve 55	
CE 118	39	1393	Oil Drain Connection	Crankless Engines Limited	20.12.1924 - 7.1.1925	sleeve 55	
CE 118	40, 41	1394	Oil Drain Spring, Oil Drain Flange	Crankless Engines Limited	19.12.1924 - 7.1.1925	sleeve 55	
CE 128	31, 33	1395	Locking Wire for Part No. 128-30, Stop Pin for T.B. Washer Seat	Crankless Engines Limited	30.12.1924 - 6.1.1925	sleeve 55	
CE 118	38	1396	Special Tee Union Body	Crankless Engines Limited	5.1.1925 - 7.1.1925	sleeve 55	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 128	72	1398	Water Inlet Pipe Flange	Crankless Engines Limited	22.12.1924 - 7.1.1925	sleeve 55	Drawn JWS
CE 128	73	1399	Water Inlet Fitting	Crankless Engines (Aus) Pty Ltd	22.12.1924 - 7.1.1925	sleeve 55	Drawn JWS
CE 101	272, 273	1400	Adaptor Flange for 8 Pipe, Adaptor Flange for 12 Pipe	Crankless Engines Limited	12.12.1924 - 14.1.1925	sleeve 55	
CE 118	42	1401	Oil Filler Body	Crankless Engines (Aus) Pty Ltd	11.12.1924 - 14.1.1925	sleeve 55	Drawn JWS
CE 118	43	1402	Filler Cap	Crankless Engines Limited	11.12.1924 - 14.1.1925	sleeve 55	Drawn JWS
CE 118	44	1403	Flange for Sieve	Crankless Engines Limited	11.12.1924 - 14.1.1925	sleeve 55	Drawn JWS
CE 118	45	1404	Sieve for Oil Filter	Crankless Engines Limited	12.12.1924 - 14.1.1925	sleeve 55	Drawn JWS
CE 118	46	1405	Base for Sieve	Crankless Engines Limited	11.12.1924 - 14.1.1925	sleeve 55	Drawn JWS
CE 118	47, 48, 49	1406	Spring for Filler Cap, Float, Float Tube	Crankless Engines Limited	13.12.1924 - 14.1.1925	sleeve 55	Drawn JWS
CE 118	51	1408	Settling Tank for Oil Filter	Crankless Engines Limited	16.12.1924 - 14.1.1925	sleeve 55	Drawn JWS
CE 118	52	1409	Flange for Sieve of Oil Filter	Crankless Engines Limited	16.12.1924 - 14.1.1925	sleeve 56	Drawn JWS
CE 118	53	1410	Sieve for Oil Filter	Crankless Engines Limited	16.12.1924 - 14.1.1925	sleeve 56	Drawn JWS
CE 118	54	1411	Body for Aux. Gear Box Oil Filter	Crankless Engines Limited	17.12.1924 - 14.1.1925	sleeve 56	Drawn JWS
CE 118	55	1412	Sieve for Aux. Gear Box Oil Filter	Crankless Engines Limited	17.12.1924 - 14.1.1925	sleeve 56	Drawn JWS
CE 118	56	1413	Std. Flange for 1d Copper Pipe	Crankless Engines Limited	17.12.1924 - 14.1.1925	sleeve 56	
CE 118	57	1414	Std. Flange for 1 1/4d Copper Pipe	Crankless Engines Limited	22.12.1924 - 17.1.1925	sleeve 56	
CE 135	1, 1a	1415	Valve Body (L.H.), Valve Body (R.H.)	Crankless Engines (Aus) Pty Ltd	14.1.1925 - 16.1.1925	sleeve 56	
CE 135	2	1416	Valve Cover	Crankless Engines Limited	22.12.1924 - 16.1.1925	sleeve 56	
CE 135	3	1417	Valve End Cover	Crankless Engines Limited	22.12.1924 - 16.1.1925	sleeve 56	
CE 135	4	1418	Piston	Crankless Engines Limited	22.12.1924 - 16.1.1925	sleeve 56	
CE 135	5	1419	Valve Spindle	Crankless Engines Limited	22.12.1924 - 16.1.1925	sleeve 56	
CE 135	6, 7, 8	1421	Valve Spring, Fixed Contact, Sliding Contact	Crankless Engines Limited	22.12.1924 - 16.1.1925	sleeve 56	
CE 135	9, 10, 11, 12	1422	Fibre Seating, Fibre Bush, Fibre Washer, Guide for Spindle	Crankless Engines Limited	22.12.1924 - 16.1.1925	sleeve 56	
CE 135	13, 14	1423	Pawl, Pawl Spring	Crankless Engines Limited	22.12.1924 - 16.1.1925	sleeve 56	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 135	15, 16, 17, 18	1424	Fulcrum Pin for Pawl, Stop Pin for Pawl, Sleeve Nut, Lock Nut for Part No. 135-17	Crankless Engines Limited	22.12.1924 - 16.1.1925	sleeve 56	
CE 129	22, 29	1425	Coupling Spider (Water Pump Shaft), Coupling Spider (Water Pump Drive)	Crankless Engines Limited	24.12.1924 - 17.1.1925	sleeve 56	
CE 129	23	1426	Coupling Spider (Oil Pump)	Crankless Engines Limited	22.12.1924 - 17.1.1925	sleeve 56	
CE 129	30	1427	Coupling Spider (Oil Pump Drive)	Crankless Engines Limited	22.12.1924 - 17.1.1925	sleeve 56	
CE 129	31, 32	1428	Coupling Disc 3 1/2d, Coupling Disc 4 1/2d	Crankless Engines Limited	24.12.1924 - 17.1.1925	sleeve 57	
CE 129	33, 34, 35, 36, 37	1429	Intermediate Shaft (Water Paump), Intermediate Shaft (Oil Pump), Intermediate Shaft (Water Pump), Intermediate Shaft (Oil Pump), Washers for Coupling	Crankless Engines Limited	24.12.1924 - 17.1.1925	sleeve 57	
CE 101	275	1430	Special Oil Drain Connection	Crankless Engines Limited	16.1.1925 - 19.1.1925	sleeve 57	
CE 101	276	1431	Screw Holder for Part No.101-274 and 101-275	Crankless Engines Limited	17.1.1925 - 19.1.1925	sleeve 57	
CE 129	27, 28	1433	Bracket for Chain Guard, Feet for Chain Guard	Crankless Engines (Aus) Pty Ltd	14.12.1924 - 19.1.1925	sleeve 57	
CE 100	276	1435	Water Outlet Flange	Crankless Engines Limited	19.1.1925	sleeve 57	
CE 101	274	1436	Main Oil Drain Connection	Crankless Engines Limited	16.1.1925 - 19.1.1925	sleeve 57	
CE 118	58	1437	Special Union Body	Crankless Engines Limited	21.1.1925 - 22.1.1925	sleeve 57	
CE 124	1	1438	Face Cam (Blank)	Crankless Engines Limited	27.1.1925 - 28.1.1925	sleeve 57	
CE 124	13, 14, 15	1439	Tappet, Cam Roller, Cam Roller Pin	Crankless Engines Limited	5.1.1925 - 28.1.1925	sleeve 57	
CE 130	61	1440	Gas Mixer Body	Crankless Engines (Aus) Pty Ltd	9.1.1925 - 29.1.1925	sleeve 57	
CE 130	62, 65	1441	Gas Mixer Valve, Stop Pin for Part No. 130-65	Crankless Engines Limited	9.1.1925 - 29.1.1925	sleeve 57	
CE 130	63	1442	Control Handle	Crankless Engines Limited	9.1.1925 - 29.1.1925	sleeve 57	
CE 130	64, 66	1443	Gas Mixer End Cover, Gas Mixer Valve Spring	Crankless Engines Limited	9.1.1925 - 29.1.1925	sleeve 57	
CE 130	67	1444	Induction Pipe	Crankless Engines Limited	9.1.1925 - 29.1.1925	sleeve 57	
CE 130	68, 69	1445	Extension Tube for Induction Pipe, Ferrule for Induction Pipe	Crankless Engines Limited	9.1.1925 - 29.1.1925	sleeve 57	
CE 133	3, 4	1446	Special Washer, Counter Driving Crank	Crankless Engines Limited	8.1.1925 - 30.1.1925	sleeve 57	
CE 133	5, 6	1447	Crank Pin, Driving Pin	Crankless Engines	8.1.1925 - 30.1.1925	sleeve 58	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 133	7	1448	Connecting Rod	Crankless Engines Limited	8.1.1925 - 30.1.1925	sleeve 58	
CE 133	8	1449	Counter Shaft	Crankless Engines Limited	8.1.1925 - 30.1.1925	sleeve 58	
CE 133	9, 12	1450	Pin for Connecting Rod, Packing Washers	Crankless Engines Limited	8.1.1925 - 30.1.1925	sleeve 58	
CE 119	80	1457	Oil Pump Drive Bevel Wheel	Crankless Engines Limited	17.2.1925 - 19.2.1925	sleeve 58	
CE 119	81	1458	Bevel Pinion	Crankless Engines Limited	12.3.1925 - 13.3.1925	sleeve 58	
CE 124	2, 3	1459	Valve Stem Collar, Valve Spring Cup	Crankless Engines Limited	27.1.1925 - 5.5.1925	sleeve 58	Drawn JWS
CE 124	5, 4	1460	Inlet Valve, Valve Guide	Crankless Engines Limited	26.1.1925 - 5.5.1925	sleeve 58	Drawn JWS
CE 124	6, 8	1461	Exhaust Valve, Rocker Pin	Crankless Engines Limited	27.1.1925 - 5.5.1925	sleeve 58	Drawn JWS
CE 124	9, 10, 24	1462	Rocker Arm (Inlet), Rocker Arm (Exhaust), Bush for Rocker Arm	Crankless Engines (Aus) Pty Ltd	24.2.1925 - 5.5.1925	sleeve 58	
CE 124	11, 12, 7	1463	Rocker Arm Cup, Push Rod, Valve Cap	Crankless Engines Limited	5.8.1924 - 5.5.1925	sleeve 58	
CE 124	16, 17	1464	Toppet Guides (Inlet), Toppet Guides (Exhaust)	Crankless Engines Limited	7.8.1924 - 5.5.1925	sleeve 58	
CE 124	19	1465	Retaining Plate for Toppet Guides	Crankless Engines Limited	27.1.1925 - 5.5.1925	sleeve 58	Drawn JWS
CE 124	20	1466	Rocker Bracket	Crankless Engines (Aus) Pty Ltd	21.1.1925 - 5.5.1925	sleeve 58	Drawn JWS
CE 124	25	1467	Thrust Washer for Face Cam	Crankless Engines Limited	16.1.1925 - 5.5.1925	sleeve 58	
CE 124	26	1468	Annulus	Crankless Engines Limited	11.1.1925 - 5.5.1925	sleeve 58	
CE 124	27	1469	Bush for Annulus	Crankless Engines Limited	11.1.1925 - 5.5.1925	sleeve 58	
CE 124	28	1470	Planet Pinion	Crankless Engines Limited	11.8.1924 - 5.5.1925	sleeve 58	
CE 124	29	1471	Bush for Planet Pinion	Crankless Engines Limited	11.8.1924 - 5.5.1925	sleeve 59	
CE 124	30, 31	1472	Distance Piece for Part No. 124-25, Pin for Part No. 101-28	Crankless Engines Limited	4.2.1925 - 5.5.1925	sleeve 59	
CE 124	32, 33, 34	1473	Special Set Screw for Part No. 124-25, Lockwasher for Part No. 101-32, Special Set Screw for Part No. 124-26 and 156-26	Crankless Engines Limited	13.2.1925 - 5.5.1925	sleeve 59	
CE 124	35	1474	Sun Wheel Shaft	Crankless Engines Limited	26.1.1925 - 5.5.1925	sleeve 59	
CE 124	38, 37, 36	1475	Starling Claw, Driving Pin, Poclign Pin for Part No. 124-35	Crankless Engines Limited	27.1.1925 - 5.5.1925	sleeve 59	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	39	1476	Starling Shaft	Crankless Engines Limited	28.1.1925 - 5.5.1925	sleeve 59	
CE 124	40	1477	Rear Bush for Part No. 124-22	Crankless Engines Limited	4.2.1925 - 5.5.1925	sleeve 59	
CE 124	41	1478	Front Bush for Part No. 124-22	Crankless Engines Limited	4.2.1925 - 5.5.1925	sleeve 59	
CE 124	42, 43	1479	Special Set Screw for Part No. 124-22, Retaining Spring for Part No. 124-42	Crankless Engines Limited	12.1.1925 - 5.5.1925	sleeve 59	
CE 124	44	1480	Rear Bearing Housing	Crankless Engines (Aus) Pty Ltd	9.3.1925 - 5.5.1925	sleeve 59	Drawn JWS
CE 124	45, 56	1481	Bush for Rear Bearing Housing, T.B. Distance Piece	Crankless Engines Limited	12.2.1925 - 5.5.1925	sleeve 59	
CE 124	46, 274	1482	Special Stud. For Part No. 124-44, Locking Washer for Part No.124-46	Crankless Engines Limited	17.3.1925 - 26.8.1925	sleeve 59	
CE 124	48	1483	T.B. Spherical Washer	Crankless Engines Limited	3.2.1925 - 5.5.1925	sleeve 59	
CE 124	49	1484	T.B.Washer Sealing	Crankless Engines Limited	2.2.1925 - 5.5.1925	sleeve 59	
CE 124	50	1485	T.B. Slipper Pad	Crankless Engines Limited	2.2.1925 - 20.6.1925	sleeve 59	
CE 124	51, 54, 55	1486	Stop Pin for T.B. Washer, Retaining Pin for Slipper Pads, Collar for Part No. 124-54	Crankless Engines Limited	2.2.1925 - 5.5.1925	sleeve 59	
CE 124	57, 58, 59	1487	Slipper Pad L.H., Slipper Pad R.H., Slipper Tail	Crankless Engines Limited	4.2.1925 - 29.5.1925	sleeve 59	Drawn PEI "Cancelled Vide Drawing No. 2704"
CE 124	60	1488	Slipper Cup (Front)	Crankless Engines Limited	28.7.1925 - 30.7.1925	sleeve 59	
CE 124	61	1489	Slipper Cup (Rear)	Crankless Engines Limited	28.7.1925 - 30.7.1925	sleeve 59	
CE 119	82	1493	Oil Pump Body	Crankless Engines Limited	20.2.1925 - 25.2.1925	sleeve 60	
CE 119	83, 84	1494	Oil Pump Idler Wheel, Oil Pump Driving Wheel	Crankless Engines Limited	21.2.1925 - 25.2.1925	sleeve 60	
CE 119	85	1495	Oil Pump Gear Wheel Housing	Crankless Engines Limited	19.2.1925 - 25.2.1925	sleeve 60	
CE 119	86	1496	Oil Pump Cover	Crankless Engines Limited	18.2.1925 - 25.2.1925	sleeve 60	
CE 124	73	1499	Spiral Bevel Wheel	Crankless Engines Limited	4.3.1925 - 5.5.1925	sleeve 60	
CE 124	74	1500	T.B. Adjusting Nut	Crankless Engines Limited	4.3.1925 - 5.5.1925	sleeve 60	
CE 124	75, 76, 77, 78	1501	Distance Piece for Bevel Wheel, Key for Spiral Bevel Wheel, Clearance Washer for T. Bearing, Locking Screw for Part No. 124-74	Crankless Engines Limited	4.3.1925 - 5.5.1925	sleeve 60	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	79	1502	Flywheel	Crankless Engines (Aus) Pty Ltd	20.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	80	1503	Clutch Back Plate	Crankless Engines (Aus) Pty Ltd	24.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	81	1504	Pressure Plate	Crankless Engines (Aus) Pty Ltd	24.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	82, 83	1505	Clutch Thrust Bush, Gland Ring	Crankless Engines Limited	23.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	84	1506	Sprocket Carrier	Crankless Engines Limited	20.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	85, 86	1507	Clutch Sprocket, Clutch Thrust Ring	Crankless Engines Limited	23.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	87, 88	1508	Dynamo for Driving Sprocket, Clutch Fingers	Crankless Engines (Aus) Pty Ltd	23.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	89, 90	1509	Bracket for Part No. 124-88, Pin for Part No. 124-88	Crankless Engines Limited	23.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	91, 92, 93	1510	Dowel Pin for Part No. 124-81, Distance Piece for Part No. 124-81, Plugs for Part No. 124-80	Crankless Engines Limited	23.2.1925 - 5.5.1925	sleeve 60	Drawn and Traced PEI
CE 124	94	1511	Retaining Plate for B/B	Crankless Engines Limited	23.2.1925 - 5.5.1925	sleeve 61	Drawn and Traced PEI
CE 124	95, 96	1512	Ring Nut for Part No. 124-82, Ring Nut for Part No. 124-87	Crankless Engines Limited	23.2.1925 - 5.5.1925	sleeve 61	Drawn and Traced PEI
CE 124	97, 98, 99, 100	1513	Dowel Hole Plug, Lock Washer for Part No. 124-96, Lock Washer for Backplate Setscrews, Lock Washer for Part No. 124-93	Crankless Engines Limited	24.2.1925 - 5.5.1925	sleeve 61	Drawn and Traced PEI
CE 100	270, 277	1514	End Cap for Part No. 100-45, Lock Washer for Part No. 100-87	Crankless Engines Limited	17.3.1925 - 18.3.1925	sleeve 61	
CE 100	278	1515	Scraper Ring (Special)	Crankless Engines (Aus) Pty Ltd	28.3.1925 - 30.3.1925	sleeve 61	
CE 100	279	1516	Coverplate for Part No. 100-272	Crankless Engines Limited	6.4.1925	sleeve 61	
CE 127	197	1517	Packing for Water Pump	Crankless Engines Limited	9.4.1925	sleeve 61	
CE 100	280	1518	Cap Nut for Oil Level Indicator	Crankless Engines Limited	6.4.1925 - 15.4.1925	sleeve 61	
CE 124	101	1520	Auxiliary Drive Shaft	Crankless Engines Limited	25.2.1925 - 5.5.1925	sleeve 61	
CE 124	102	1521	Aux. Drive Shaft Housing	Crankless Engines (Aus) Pty Ltd	25.2.1925 - 5.5.1925	sleeve 61	
CE 124	103, 105	1522	Top Bush for Part No. 124-102, Location Pin for Part No. 124-102	Crankless Engines Limited	25.2.1925 - 5.5.1925	sleeve 61	
CE 124	104	1523	Bottom Bush for Part No. 124-102	Crankless Engines Limited	25.2.1925 - 5.5.1925	sleeve 61	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	107	1524	Aux. Shaft Cover Plug	Crankless Engines Limited	25.2.1925 - 5.5.1925	sleeve 61	
CE 101	255	1530	Yoke Extension Plug	Crankless Engines Limited	21.11.1924 - 25.4.1925	sleeve 61	Drawn PEI
CE 101	277	1531	T.B. Oil Jet	Crankless Engines Limited	28.4.1925 - 30.4.1925	sleeve 61	
CE 127	198	1532	Locking Core for Part No. 127-63	Crankless Engines Limited	25.4.1925 - 27.4.1925	sleeve 61	
CE 131		1535	Michell Double Thrust Bearing	Crankless Engines Limited	29.10.1924 - 30.4.1925	sleeve 62	Blueprint
		1537	Longitudinal Section Outline General Arrangement of Combined Two-Stroke Crankless Petrol Engine - Air Compressor Unit	Crankless Engines Limited	30.4.1924 - 6.5.1925	sleeve 62	Blueprint
		1538	End View Outline General Arrangement of Combined Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	30.4.1924 - 5.5.1925	sleeve 62	Blueprint
CE 127	200	1539	Piston Nut	Crankless Engines Limited	13.1.1928 - 14.1.1928	sleeve 62	
CE 127	201	1540	Piston Head	Crankless Engines (Aus) Pty Ltd	18.4.1925 - 6.5.1925	sleeve 62	
CE 127	203	1542	Piston Rod	Crankless Engines (Aus) Pty Ltd	23.4.1925 - 6.5.1925	sleeve 62	
CE 127	204, 205	1543	Bearing Washer for Part No. 127-201, Lock Washer for Part No. 127-203	Crankless Engines Limited	23.4.1925 - 6.5.1925	sleeve 62	
CE 127	206	1544	Cup Block	Crankless Engines Limited	23.4.1925 - 6.5.1925	sleeve 62	
CE 127	207	1545	Cup Housing	Crankless Engines Limited	23.4.1925 - 6.5.1925	sleeve 62	
CE 127	208, 209	1546	Gudgeon Pin, Adjusting Washer for Part No. 127-207	Crankless Engines Limited	23.4.1925 - 6.5.1925	sleeve 62	
CE 127	210, 212	1547		Crankless Engines Limited	23.4.1925 - 6.5.1925	sleeve 62	
CE 127	211	1548	Slipper Cup	Crankless Engines Limited	23.4.1925 - 6.5.1925	sleeve 62	
CE 127	213, 214, 215	1549	Peripheral Slipper, Retaining Screw for Part No. 127-213, Spring for Part No. 127-213	Crankless Engines Limited	24.4.1925 - 6.5.1925	sleeve 62	
CE 127	217	1551	Special Stud for Part No. 127-38	Crankless Engines Limited	27.4.1925 - 6.5.1925	sleeve 62	
CE 127	218, 219	1552	Thrust and Rear Bearing Oil Jet, Nut for Part No. 127-218	Crankless Engines Limited	23.4.1925 - 2.5.1925	sleeve 63	
CE 127	221	1554	Shell for Rear Bearing	Crankless Engines (Aus) Pty Ltd	25.4.1925 - 2.5.1925	sleeve 63	
CE 127	222	1555	Rear End Gland	Crankless Engines Limited	23.4.1925 - 2.5.1925	sleeve 63	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		1558	Vertical Section Quarter Side View General Arrangement of 8 x 9 3/8 x 8 Stroke Crankless Gas Booster	Crankless Engines Limited	30.4.1925 - 2.5.1925	sleeve 63	Blueprint
		1560	Installation Drawing of 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	17.4.1924 - 2.5.1925	sleeve 63	
CE 101	278	1563	End Gland Oil Thrower	Crankless Engines Limited	29.4.1925 - 7.5.1925	sleeve 63	
CE 127	223	1564	Slipper Tail Guide	Crankless Engines (Aus) Pty Ltd	7.4.1925 - 6.5.1925	sleeve 63	
CE 124	65, 66	1565	Slipper Tail Guide, Slipper Tail Stop Screw	Crankless Engines Limited	6.5.1925 - 30.7.1925	sleeve 63	
CE 124	67, 68	1566	Peripheral Slipper, Peripheral Spring	Crankless Engines Limited	6.5.1925 - 30.7.1925	sleeve 63	
CE 124	69, 70	1567	Pressure Ring, Scraper Ring	Crankless Engines (Aus) Pty Ltd	6.5.1925 - 30.7.1925	sleeve 63	
CE 124	109	1571	Oil Sump Cover	Crankless Engines (Aus) Pty Ltd	17.4.1925 - 10.6.1925	sleeve 63	
CE 124	18	1572	Valve Spring	Crankless Engines Limited	6.5.1925 - 20.6.1925	sleeve 63	
CE 124	114	1573	Gearwheel for Auxiliary Inclined Shaft	Crankless Engines Limited	26.3.1925 - 29.5.1925	sleeve 64	
CE 124	115	1574	Inclined Auxiliary Shaft	Crankless Engines Limited	19.3.1925 - 29.5.1925	sleeve 64	
CE 124	115, 124	1575	Top Bush for Part No. 124-115, Distributor Gear Wheel (Driving)	Crankless Engines Limited	30.6.1925 - 23.7.1925	sleeve 64	
CE 124	117	1576	Bottom Bush for Auxiliary Inclined Shaft	Crankless Engines Limited	19.3.1925 - 29.5.1925	sleeve 64	
CE 124	118	1577	Thrust Nut for Part No. 124-115	Crankless Engines Limited	19.3.1925 - 10.6.1925	sleeve 64	
CE 124	119, 120	1578	Pump Gearwheel(Driving), Pump Gearwheel (Driven)	Crankless Engines Limited	19.3.1925 - 10.6.1925	sleeve 64	"Cancelled Vide Drawing No. 2256"
CE 124	121	1579	Oil Pump Body	Crankless Engines (Aus) Pty Ltd	19.3.1925 - 10.6.1925	sleeve 64	
CE 124	122	1580	Oil Pump Base	Crankless Engines (Aus) Pty Ltd	6.4.1925 - 10.6.1925	sleeve 64	
CE 124	123	1581	Oil Pump Cover	Crankless Engines Limited	3.4.1925 - 10.6.1925	sleeve 64	
CE 124	125, 198	1582	Distributor Gear Wheel (Driven), Bush for Part No. 124-196	Crankless Engines Limited	6.7.1925 - 23.7.1925	sleeve 64	
CE 124	126, 159	1583	Oil Check Valve Body, Cap for Part No. 124-126	Crankless Engines Limited	19.5.1925 - 10.6.1925	sleeve 64	
CE 124	127	1584	Oil Strainer	Crankless Engines (Aus) Pty Ltd	17.4.1925 - 10.6.1925	sleeve 64	
CE 124	128	1585	Retaining Nut for Part No. 124-127	Crankless Engines Limited	17.4.1925 - 25.5.1925	sleeve 64	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	129	1586	Relief Valve Body	Crankless Engines Limited	22.4.1925 - 10.6.1925	sleeve 64	
CE 124	131, 130, 132	1587	Relief Valve Spring, Relief Valve, Relief Valve Cap	Crankless Engines Limited	22.4.1925 - 10.6.1925	sleeve 64	
CE 124	133, 136	1588	Gear Pinion for Horizontal Auxiliary Shaft, Rear Bush for Horizontal Auxiliary Shaft	Crankless Engines Limited	19.3.1925 - 29.5.1925	sleeve 64	
CE 124	106	1589	Radial Auxiliary Shaft Spiral Pinion	Crankless Engines Limited	25.2.1925 - 29.5.1925	sleeve 65	
CE 124	134	1590	Horizontal Auxiliary Shaft	Crankless Engines Limited	1.4.1925 - 29.5.1925	sleeve 65	
CE 124	137, 138, 158	1591	Water Pump Spindle, Water Pump Gland Bush, Nut for Part No. 124-137	Crankless Engines Limited	1.4.1925 - 27.5.1925	sleeve 65	
CE 124	135	1592	Front Bush for Horizontal Auxiliary Shaft	Crankless Engines Limited	24.3.1925 - 10.6.1925	sleeve 65	
CE 124	139	1593	Gland Nut for Water Pump	Crankless Engines Limited	6.4.1925 - 10.6.1925	sleeve 65	
CE 124	140	1594	Water Pump Impeller	Crankless Engines Limited	22.4.1925 - 10.6.1925	sleeve 65	
CE 124	141	1595	Water Pump Body	Crankless Engines (Aus) Pty Ltd	6.4.1925 - 20.6.1925	sleeve 65	
CE 124	142	1596	Water Pump Cover	Crankless Engines Limited	6.4.1925 - 10.6.1925	sleeve 65	
CE 124	143, 144	1597	Fan Drive Housing (Front), Fan Drive Housing (Rear)	Crankless Engines (Aus) Pty Ltd	22.3.1925 - 3.6.1925	sleeve 65	
CE 124	146, 148, 145	1598	Fan Shaft Sprocket, Fan Shaft Grub Screw, Fan Shaft	Crankless Engines (Aus) Pty Ltd	17.4.1925 - 29.5.1925	sleeve 65	
CE 124	149, 149a	1599	Fan Eccentric Bush R.H., Fan Eccentric Bush L.H.	Crankless Engines Limited	17.4.1925 - 29.5.1925	sleeve 65	
CE 124	150, 151	1600	Fan Adjustment Gland, Fan Adjustment Cover	Crankless Engines Limited	17.4.1925 - 3.7.1925	sleeve 65	
CE 124	152	1601	Fan Adjustment Lever	Crankless Engines (Aus) Pty Ltd	17.4.1925 - 3.7.1925	sleeve 65	
CE 124	153, 154, 155, 156	1602	Fan Adjustment Handle, Fan Adjustment Stop, Fan Adjustment Knob, Fan Adjustment Spring	Crankless Engines Limited	17.4.1925 - 20.6.1925	sleeve 65	
CE 119	91	1603	Oil Pump Housing	Crankless Engines Limited	12.5.1925 - 13.5.1925	sleeve 65	
CE 128	74	1605	Distance Piece for 5 H.P. Starting Unit	Crankless Engines (Aus) Pty Ltd	23.5.1925	sleeve 66	
		1606	3 x 3 1/2 x 3 3/4 Single Ended Crankless Air Compressor	Crankless Engines (Aus) Pty Ltd	12.4.1926 - ?	sleeve 66	Blueprint
CE 124	160	1607	Thermostat Housing	Crankless Engines (Aus) Pty Ltd	13.5.1925 - 10.6.1925	sleeve 66	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	161, 162, 163	1608	Flange for Part No. 124-160, Special Nut for Part No. 124-161, Stiffening Ring for Water Pipe	Crankless Engines (Aus) Pty Ltd	13.5.1925 - 3.7.1925	sleeve 66	
CE 127	224	1610	End Clamps	Crankless Engines (Aus) Pty Ltd	18.6.1925 - 20.6.1925	sleeve 66	
CE 124	47	1611	Spring for Part No. 124-39	Crankless Engines Limited	2.3.1925 - 5.5.1925	sleeve 66	
CE 124	164	1612	Core Hole Cover Plate	Crankless Engines Limited	25.2.1925 - 10.6.1925	sleeve 66	
CE 124	166, 167	1613	Water Drain Plug, Water Pipe Flange	Crankless Engines Limited	3.6.1925 - 22.6.1925	sleeve 66	
CE 124	52, 53	1615	Thrust Washer for Part No. 124-101, Thrust Washer for Part No. 124-114	Crankless Engines Limited	15.6.1925 - 3.7.1925	sleeve 66	
CE 124	168, 169	1617	Extension Piece for Ripault Cock, Cylinder Plug	Crankless Engines Limited	18.6.1925 - 5.7.1925	sleeve 66	
CE 124	157	1618	Oil Sump Baffle Plate	Crankless Engines (Aus) Pty Ltd	1.6.1925 - 3.7.1925	sleeve 66	
CE 124	170	1620	Oil Filler Body	Crankless Engines Limited	1.6.1925 - 3.7.1925	sleeve 66	
CE 124	171, 172	1621	Oil Filler Cap, Oil Filler Filter	Crankless Engines Limited	1.6.1925 - 3.7.1925	sleeve 66	
CE 129	40	1622	Ball Bearing Housing	Crankless Engines Limited	24.6.1925 - 30.6.1925	sleeve 66	
CE 124	173, 174	1623	Oil Level Gauge Rod, Knob for Part No. 124-173	Crankless Engines Limited	15.6.1925 - 3.7.1925	sleeve 67	
CE 124	225, 226	1624	Indicator Finger for Gas Mixer, Quadrant for Part No. 124-225	Crankless Engines Limited	1.7.1925	sleeve 67	
CE 124	175	1625	Warm Wheel for Steering Gear	Crankless Engines Limited	1.6.1925 - 3.7.1925	sleeve 67	Drawn PEI
CE 124	176, 177, 178	1626	Warm Wheel Shaft, Stop Screw for Part No. 124-176, Lock Washer for Part No. 124-177	Crankless Engines (Aus) Pty Ltd	1.6.1925 - 3.7.1925	sleeve 67	Drawn PEI
CE 124	179	1627	Cover for Steering Gear Box	Crankless Engines Limited	1.6.1925 - 3.7.1925	sleeve 67	Drawn PEI
CE 124	180, 181, 182, 183, 184	1628	Gland Bush for Part No. 124-182, Gland Nut for Part No. 124-182, Oil Connection for Rocker Bkt, Right Angle Union Body, Screw Holder for Part No. 124-183	Crankless Engines (Aus) Pty Ltd	17.6.1925 - 3.7.1925	sleeve 67	
CE 124	185	1629	Slant Case Inspection Hole Cover	Crankless Engines Limited	1.7.1925 - 3.7.1925	sleeve 67	
CE 124	186	1630	Web Stiffener	Crankless Engines Limited	20.7.1925 - 23.7.1925	sleeve 67	
CE 124	187, 188, 189, 190, 191	1631	Mounting Bracket, Cleat, Top Distance Piece, Bottom Distance Piece, Bearing Packing Piece	Crankless Engines Limited	13.6.1925 - 23.7.1925	sleeve 67	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	192	1632	Brake Lever To Replace No. F3133	Crankless Engines Limited	16.6.1925 - 23.7.1925	sleeve 67	
CE 124	193	1633	Brake Lever To Replace No. F4358	Crankless Engines Limited	15.6.1925 - 23.7.1925	sleeve 67	
CE 124	194, 195	1634	Water Pump Deliver Pipe, Flange for Part No. 124-194	Crankless Engines (Aus) Pty Ltd	3.6.1925 - 7.8.1925	sleeve 67	
CE 137	2	1637	Cylinder Head	Crankless Engines (Aus) Pty Ltd	2.7.1925 - 14.7.1925	sleeve 67	
CE 137	3	1638	Cam Housing	Crankless Engines (Aus) Pty Ltd	8.7.1924 - 14.7.1925	sleeve 67	
CE 137	4, 5	1639	Inlet Valve, Cylinder Head Plug	Crankless Engines Limited	3.7.1925 - 14.7.1925	sleeve 67	
CE 137	6	1640	Valve Rocker	Crankless Engines Limited	3.7.1925 - 14.7.1925	sleeve 68	
CE 137	7	1641	Cam Shaft	Crankless Engines (Aus) Pty Ltd	7.7.1925 - 14.7.1925	sleeve 68	
CE 124	196	1642	Distributor Body	Crankless Engines Limited	30.6.1925 - 23.7.1925	sleeve 68	
CE 124	197	1643	Base for Contact Breaker	Crankless Engines Limited	29.6.1925 - 23.7.1925	sleeve 68	
CE 124	199, 200, 201, 202	1644	Distributor Cover, Terminal Cover, Bush, Distributor Arm	Crankless Engines (Aus) Pty Ltd	2.7.1925 - 23.7.1925	sleeve 68	
CE 124	203, 204, 205	1645	Spark Plate, Distributor Cam, Contact Strip	Crankless Engines Limited	1.7.1925 - 23.7.1925	sleeve 68	
CE 124	206, 207, 208, 209	1646	Clips for Part No. 124-199, Spark Gap Terminals, Contact Terminal, Special Nut for Parts No. 124-207 and 124-208	Crankless Engines Limited	2.7.1925 - 23.7.1925	sleeve 68	
CE 124	210, 211	1647	Lock Washer for Part No. 124-204, R and A Lever	Crankless Engines Limited	16.7.1925 - 23.7.1925	sleeve 68	
		1648	Outline Arrangement of Crankless Booster Set	Crankless Engines Limited	13.7.1925 - 24.7.1925	sleeve 68	
		1648	Outline Arrangement of Crankless Booster Set	Crankless Engines Limited	13.7.1925 - 24.7.1925	sleeve 68	Blueprint of previous
		1649	General Arrangement - Side Elevation of Proposed 55 - 65 H.P. Crankless Aeroplane Engine with Radiator	Crankless Engines Limited	9.7.1925 - 24.7.1925	sleeve 68	
		1650	General Arrangement - End Views of Proposed 55 - 65 H.P. Crankless Aeroplane Engine with Radiator	Crankless Engines Limited	9.7.1925 - 24.7.1925	sleeve 68	
CE 124	213, 214	1651	Clutch Lever R.H., Clutch Lever L.H.	Crankless Engines (Aus) Pty Ltd	11.7.1925 - 6.8.1925	sleeve 69	
	215	1652	Clutch Brake	Crankless Engines (Aus) Pty Ltd	13.7.1925	sleeve 69	
	216, 217, 218	1653		Crankless Engines Limited	14.7.1925	sleeve 69	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 138	1, 3	1655	Exhaust Valve, Exhaust Valve Cap	Crankless Engines Limited	17.7.1925 - 23.7.1925	sleeve 69	
CE 138	2	1656	Exhaust Valve Body	Crankless Engines Limited	16.7.1925 - 23.7.1925	sleeve 69	
		1657	Outline Arrangement of 3 Cylinder Two-Stroke Crankless Gas Engine	Crankless Engines Limited	24.7.1925	sleeve 69	
CE 124	222, 223	1660	Special Nut for Slipper Cup, Washer for Part No. 124-222	Crankless Engines Limited	28.7.1925 - 30.7.1925	sleeve 69	
CE 124	224, 225, 226	1661	Thrust Pad for Part No. 124-72, Bush for Part No. 124-165, Bush for Part No. 124-72	Crankless Engines Limited	22.7.1925 - 7.8.1925	sleeve 69	
CE 124	220	1662	Clutch Release Shaft	Crankless Engines Limited	7.8.1925 - 10.8.1925	sleeve 69	
CE 124	221	1663	Lever for Part No. 124-220	Crankless Engines Limited	29.5.1925 - 10.8.1925	sleeve 69	
CE 124	228, 229	1664	Clevis End for Part No. 124-227, Pin for Part No. 124-229	Crankless Engines Limited	30.5.1925 - 10.8.1925	sleeve 69	
CE 124	230	1665	Pedal Shaft	Crankless Engines Limited	30.5.1925 - 10.8.1925	sleeve 69	
CE 124	231	1666	Bracket for Part No. 124-230	Crankless Engines Limited	30.5.1925 - 10.8.1925	sleeve 69	
CE 124	232	1667	Clutch Adjusting Lever	Crankless Engines Limited	29.5.1925 - 10.8.1925	sleeve 69	
CE 100	284	1668	?	Crankless Engines (Aus) Pty Ltd	9.8.1925	sleeve 69	
CE 124	233, 240	1669	Rear Bush for Part No. 124-165	Crankless Engines Limited	7.8.1925 - 19.8.1925	sleeve 70	
CE 124	234	1670	Spherical Seating	Crankless Engines Limited	20.8.1925 - 21.8.1925	sleeve 70	
CE 124	235	1671	Seating for Part No. 124-234	Crankless Engines Limited	20.8.1925 - 21.8.1925	sleeve 70	
CE 124	236, 237, 238	1672	Bolt for Part No. 124-234, Packing for Part No. 124-234, Special Washer for Part No. 124-236	Crankless Engines Limited	11.8.1925 - 24.8.1925	sleeve 70	
CE 124	239	1673	Drain Plug for Part No. 124-165	Crankless Engines Limited	11.8.1925 - 19.8.1925	sleeve 70	
CE 124	227	1674	Pull Rod for Clutch Release	Crankless Engines Limited	18.8.1925 - 24.8.1925	sleeve 70	
CE 100	281, 282, 283	1676	Sheath for Oil Level Indicator, Tube for Oil Level Indicator, Cork Washer	Crankless Engines Limited	6.4.1925 - 15.4.1925	sleeve 70	
CE 139	7, 7a, 8	1769	Slipper Pad R.H., Slipper Pad R.H., Slipper Tail	Crankless Engines Limited	4.8.1925 - 19.8.1925	sleeve 70	
CE 124	241, 242, 243	1680	Special Bolt for Part No. 124-71, Special Bolt for Part No. 124-165	Crankless Engines Limited	11.8.1925 - 19.8.1925	sleeve 70	
CE 124	246, 247	1683	Dynamotor Driven Sprocket, Inspection Cover Dynamotor Drive	Crankless Engines (Aus) Pty Ltd	11.8.1925 - 21.8.1925	sleeve 70	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	248	1684	Radiator Inlet Connection	Crankless Engines Limited	20.8.1925 - 24.8.1925	sleeve 70	
CE 124	249, 250	1685	Nut for Part No. 124-248, Gland for Part No. 124-248	Crankless Engines Limited	21.8.1925 - 24.8.1925	sleeve 70	
CE 124	253, 254, 255	1686	Cylinder Head Plug, Lifting Eyes, Locking Plate for Part No. 124-20	Crankless Engines Limited	18.8.1925 - 24.8.1925	sleeve 70	
CE 124	256	1687	Radiator Feet	Crankless Engines (Aus) Pty Ltd	20.8.1925 - 24.8.1925	sleeve 70	
CE 124	257	1688	Exhaust Pipe Bend	Crankless Engines (Aus) Pty Ltd	22.8.1925 - 24.8.1925	sleeve 70	
CE 124	258	1689	Radiator Supporting Bkt.	Crankless Engines (Aus) Pty Ltd	20.4.1925 - 24.8.1925	sleeve 70	
CE 139	9, 10	1691	Slipper Cup	Crankless Engines Limited	8.8.1925 - 25.8.1925	sleeve 71	Drawn JWS
CE 139	17, 17a	1692	Piston Ball (Front), Piston Ball (Rear)	Crankless Engines Limited	8.8.1925 - 25.8.1925	sleeve 71	Drawn JWS
CE 128	77, 77a	1694	Adjustable Pulley for Lucas Generator	Crankless Engines Limited	20.1.1928 - 21.1.1928	sleeve 71	
CE 124	275	1695	Inspection Hole Cover for Part No. 124-143	Crankless Engines Limited	25.8.1925 - 26.8.1925	sleeve 71	
CE 124	276	1696	Lower Thrust Nut for Part No. 124-115	Crankless Engines Limited	27.8.1925 - 28.8.1925	sleeve 71	
		1697	Outline Arrangement of 3 Cylinder Crankless Aeroplane Engine	Crankless Engines Limited	7.7.1925 - ?	sleeve 71	
CE 124	252	1699	Water Inlet Tube for Part No. 124-251	Crankless Engines Limited	27.8.1925 - 28.8.1925	sleeve 71	
CE 124	259	1700	Radiator Outlet Flange	Crankless Engines Limited	27.8.1925 - 28.8.1925	sleeve 71	
CE 124	277	1702	Bottom Gland for Simms Coupling	Crankless Engines Limited	25.8.1925 - 28.8.1925	sleeve 71	
CE 124	278	1703	Top Gland for Simms Coupling	Crankless Engines Limited	25.8.1925 - 28.8.1925	sleeve 71	
CE 124	279, 281, 280	1704	Dowel Pin for Part No. 124-277 and 124-280, Hinge Pin for Part No. 124-280, Spring Clip for Part No. 124-277 and 124-278	Crankless Engines Limited	28.8.1925	sleeve 71	
CE 124	282	1705	Dowel Pin for Part No. 124-71	Crankless Engines Limited	27.8.1925 - 28.8.1925	sleeve 71	
CE 124	283, 284, 285	1706	Starting Handle Crank, Starting Handle Grip, Starting Handle Grip Spindle	Crankless Engines (Aus) Pty Ltd	27.8.1925 - 28.8.1925	sleeve 71	
CE 139	3	1708	High Pressure Piston	Crankless Engines Limited	8.8.1925 - 1.9.1925	sleeve 71	Drawn JWS
CE 139	5, 6	1710	Pressure Ring (High Pressure), Scraper Ring (High Pressure)	Crankless Engines (Aus) Pty Ltd	3.8.1925 - 14.9.1925	sleeve 71	
CE 139	6a	1711	Scraper Ring (Low Pressure)	Crankless Engines (Aus) Pty Ltd	3.8.1925 - 14.9.1925	sleeve 72	"Cancelled Vide Drawing No. 2445"

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 139	5a	1712	Pressure Ring (Low Pressure)	Crankless Engines (Aus) Pty Ltd	3.8.1925 - 14.9.1925	sleeve 72	
CE 139	39	1713	Rear Main Bearing Housing	Crankless Engines Limited	19.8.1925 - 2.9.1925	sleeve 72	
CE 139	37, 38	1714	Retaining Ring for Part No. 139-39, Retaining Ring for Part No.139-36	Crankless Engines Limited	19.8.1925 - 2.9.1925	sleeve 72	
CE 139	36	1715	Front Main Bearing Housing	Crankless Engines Limited	19.8.1925 - 2.9.1925	sleeve 72	
		1716	Proposed Use of Automatic Sheet Steel Delivery Valve with Rotary Valve	Crankless Engines Limited	1.9.1925	sleeve 72	
		1717	Proposed Mounting of Armature on Shaft of 27 c.f.t. per. Min. Crankless Air Compressor	Crankless Engines Limited	3.9.1925	sleeve 72	
CE 127	227, 227a	1718	Special Starting Dog, Generator Pulley Flange	Crankless Engines Limited	3.2.1928	sleeve 72	
CE 139	40	1722	Front Outer Bearing Housing	Crankless Engines Limited	21.8.1925 - 7.9.1925	sleeve 72	
CE 139	41, 43	1723	Main Shaft Bevel Wheel, Adjusting Washer for Part No. 139-41	Crankless Engines Limited	21.8.1925 - 7.9.1925	sleeve 72	
CE 139	42	1724	Pump Shaft Bevel Wheel	Crankless Engines Limited	21.8.1925 - 7.9.1925	sleeve 72	
CE 139	31, 32	1725	Retaining Nut for No. 139, Slant Retaining Nut	Crankless Engines Limited	21.8.1925 - 7.9.1925	sleeve 72	
CE 139	44, 45	1726	Locking Wire for Part No. 139-31, Lock Washer for Part No. 139-32	Crankless Engines Limited	21.8.1925 - 7.9.1925	sleeve 72	
CE 139	33	1727	Bevel Wheel Distance Piece	Crankless Engines Limited	21.8.1925 - 7.9.1925	sleeve 72	
CE 139	46	1728	Top Casting (Water Pump)	Crankless Engines Limited	29.8.1925 - 7.9.1925	sleeve 72	
CE 139	47	1729	Bottom Casting (Water Pump)	Crankless Engines Limited	29.8.1925 - 7.9.1925	sleeve 73	
CE 139	48, 49, 50	1730	Top Bush (Pump Drive), Intermediate Guide (Pump Drive), Bottom Bush (Pump Drive)	Crankless Engines Limited	30.8.1925 - 7.9.1925	sleeve 73	
CE 139	51	1731	Bottom Gland (Water Pump Drive)	Crankless Engines Limited	29.8.1925 - 7.9.1925	sleeve 73	"Cancelled Vide Drawing No. 2653"
CE 139	52	1732	Pump Drive Shaft	Crankless Engines Limited	30.8.1925 - 7.9.1925	sleeve 73	
CE 139	14, 20	1733	Spindle Tail Guide, Lock Washer for Part No. 139-17 and 139-17a	Crankless Engines Limited	3.9.1925 - 7.9.1925	sleeve 73	
CE 139	25, 25a	1735	Loose Flange for Part No. 139-24 (R. Hand), Loose Flange for Part No. 139-24 (L. Hand)	Crankless Engines Limited	2.9.1925 - 10.9.1925	sleeve 73	
CE 139	30	1737	Cone Washer	Crankless Engines Limited	9.9.1925 - 14.9.1925	sleeve 73	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 139	26	1738	High Pressure Cylinder Head	Crankless Engines Limited	27.8.1925 - 14.9.1925	sleeve 73	
CE 139	28, 73	1740	Stop for H.P. Valves, Stop for Rotary Valve	Crankless Engines Limited	27.8.1925 - 14.9.1925	sleeve 73	"Cancelled Vide Drawing No. 2443"
CE 139	34, 35	1741	High and Low Press. Delivery Valve, Retaining Bolt for No. 139	Crankless Engines Limited	26.8.1925 - 14.9.1925	sleeve 73	
CE 139	29	1744	Rotary Valve	Crankless Engines Limited	9.9.1925 - 14.9.1925	sleeve 73	"Cancelled Vide Drawing No. 2443"
CE 139	62, 63	1745	Governor Piston, Governor End Cover	Crankless Engines Limited	25.8.1925 - 14.9.1925	sleeve 73	"Cancelled Vide Drawing No. ..."
CE 139	65	1746	Low Press. Delivery Valve Housing	Crankless Engines Limited	18.6.1926 - 24.6.1926	sleeve 73	Drawn PEI "Cancelled Vide Drawing No. 2524"
CE 139	66	1747	Low Pressure Delivery Valve Cover	Crankless Engines Limited	18.6.1925 - 26.9.1925	sleeve 73	
CE 139	68, 69	1748	End Screw for Part No. 139-2, Lock Washer for Part No. 139-68	Crankless Engines Limited	9.9.1925 - 15.9.1925	sleeve 74	Drawn JWS "Cancelled Vide Drawing No. 2448"
CE 139	16, 18, 19	1749	Peripheral Slipper, Pin for Part No. 139-16, Spring for Part No. 139-16	Crankless Engines Limited	8.8.1925 - 15.9.1925	sleeve 74	Drawn JWS
CE 139	57, 57a	1751	Slantcase Coverplate, Slantcase Coverplate (Including Breather Boss)	Crankless Engines Limited	8.9.1925 - 15.9.1925	sleeve 74	
CE 139	53	1752	Water Pump Shaft	Crankless Engines Limited	8.9.1925 - 15.9.1925	sleeve 74	"Cancelled Vide Drawing No. 2660"
CE 139	71, 72	1753	Oil Pump Drive Shaft Gear, Oil Pump Idler Shaft Gear	Crankless Engines Limited	8.9.1925 - 15.9.1925	sleeve 74	"Cancelled Vide Drawing No. 2652"
CE 139	74	1754	Water Pump Runner	Crankless Engines Limited	31.8.1925 - 15.9.1925	sleeve 74	
CE 139	75, 64	1755	Oil Pump Gland, Rotary Valve Spring	Crankless Engines Limited	8.9.1925 - 15.9.1925	sleeve 74	"Cancelled Vide Drawing No. ..."
CE 139	76, 79	1756	Oil Pump Body, Oil Pump Gland Locking Piece	Crankless Engines Limited	9.9.1925 - 16.9.1925	sleeve 74	"Cancelled Vide Drawing No. 2658"
CE 139	77	1757	Oil Gland Thrower	Crankless Engines Limited	8.9.1925 - 15.9.1925	sleeve 74	
CE 139	58, 59, 60, 61	1758	Relief Valve (Air Control), Relief Valve Spring, Relief Valve Adj. Nut, Relief Valve Locking Plate	Crankless Engines Limited	16.9.1925	sleeve 74	"Cancelled Vide Drawing No. ..."
		1759		Crankless Engines Limited	11.9.1925 - 22.9.1925	sleeve 74	
		1759		Crankless Engines Limited	11.9.1925 - 22.9.1925	sleeve 74	Blueprint of previous

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 139	54	1760	Main Joint Water Connection	Crankless Engines Limited	14.9.1925 - 23.9.1925	sleeve 74	
CE 139	55	1761	Baffle Plate (Oil Sump)	Crankless Engines Limited	14.9.1925 - 23.9.1925	sleeve 74	
CE 139	59	1762	3/4d Return Bend	Crankless Engines Limited	24.9.1925 - 26.9.1925	sleeve 74	
CE 139	81	1764	End Cover for Intercooler	Crankless Engines Limited	29.9.1925 - 5.10.1925	sleeve 75	
CE 139	82	1765	End Cover for Intercooler Tubes	Crankless Engines Limited	29.9.1925 - 5.10.1925	sleeve 75	
CE 139	83, 84, 85	1766	Flange for Intercooler Tubes, Support for Intercooler Tubes, Baffle Plate for Intercooler Tubes	Crankless Engines Limited	29.9.1925 - 5.10.1925	sleeve 75	
		1767	Longitudinal General Arrangement of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	28.9.1925 - 5.10.1925	sleeve 75	Blueprint
		1768	Compressor End View (Bedplate Not Shown) of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	13.10.1925 - 20.10.1925	sleeve 75	
		1768	Compressor End View (Bedplate Not Shown) of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	13.10.1925 - 20.10.1925	sleeve 75	Blueprint of previous
		1769	Sectional Views of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	7.10.1925 - 13.10.1925	sleeve 75	
		1769	Sectional Views of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	7.10.1925 - 13.10.1925	sleeve 75	Blueprint of previous
		1770	Installation Diagram of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	29.10.1925 - 31.10.1925	sleeve 75	
		1770	Installation Diagram of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	29.10.1925 - 31.10.1925	sleeve 75	Blueprint of previous
		1770a	Installation Diagram of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	27.10.1925 - 31.10.1925	sleeve 76	
		1770a	Installation Diagram of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	27.10.1925 - 31.10.1925	sleeve 76	Blueprint of previous
CE 140	3	1775	Engine Piston	Crankless Engines Limited	30.9.1925 - 3.10.1925	sleeve 76	Drawn and Traced PEI
CE 140	3a	1776	Compressor Piston	Crankless Engines Limited	30.9.1925 - 3.10.1925	sleeve 76	Drawn and Traced PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 140	7, 7a, 8	1777	Slipper Pad (Right Hand), Slipper Pad (Left Hand), Slipper Tail	Crankless Engines Limited	31.7.1925 - 3.10.1924	sleeve 76	
CE 140	9	1778	Slipper Cup	Crankless Engines Limited	30.9.1925 - 3.10.1925	sleeve 76	Drawn and Traced PEI
CE 140	18	1779	Piston Pin	Crankless Engines Limited	29.9.1925 - 3.10.1925	sleeve 76	Drawn PEI
CE 140	11, 12, 14	1780	Slipper Cup Shim, Slipper Cup Setscrew, Slipper Tail Guide	Crankless Engines Limited	29.9.1925 - 3.10.1925	sleeve 76	Drawn PEI
CE 140	19	1781	Yoke Guide (Engine End)	Crankless Engines Limited	29.9.1925 - 3.10.1925	sleeve 76	Drawn PEI
CE 140	19a	1782	Yoke Guide (Compressor End)	Crankless Engines Limited	12.9.1925 - 3.10.1925	sleeve 76	Drawn PEI
CE 139	21, 67	1784	Seating for Rotary Valve Spring, Dowel Pin for Part No. 139-23 and 139-80	Crankless Engines Limited	29.9.1925 - 8.10.1925	sleeve 76	"Cancelled Vide Drawing No. ..."
CE 141	1	1785	Valve Body	Crankless Engines Limited	6.10.1925 - 8.10.1925	sleeve 76	
CE 141	2, 3	1786	Valve, Valve Cap	Crankless Engines Limited	1.10.1925 - 8.10.1925	sleeve 76	
CE 141	4, 5, 6, 7	1787	Valve Spring, Spring Cap, Top Cover, Adjusting Screw	Crankless Engines Limited	1.10.1925 - 8.10.1925	sleeve 76	
CE 140	25	1788	Thrust Bearing Spherical Seat (Front)	Crankless Engines Limited	1.9.1925 - 13.10.1925	sleeve 76	
CE 140	26	1789	Thrust Bearing Spherical Washer	Crankless Engines Limited	1.9.1925 - 13.10.1925	sleeve 76	
CE 140	27, 27a	1790	Thrust Bearing Slipper Pad (R. Hand), Thrust Bearing Slipper Pad (L. Hand)	Crankless Engines Limited	1.9.1925 - 13.10.1925	sleeve 77	
CE 140	28	1791	Thrust Bearing Washer	Crankless Engines Limited	7.10.1925 - 13.10.1925	sleeve 77	
CE 140	29, 30, 31, 32	1792	Retaining Pin for Part No. 140-27 and 140-27a, Collar for Part No. 140-29, Stop Pin for Part No. 140-25 and 140-26, Stop Pin for Part No. 140-25 and 140-25a	Crankless Engines Limited	7.10.1925 - 13.10.1925	sleeve 77	
CE 140	25a	1793	Thrust Bearing Spherical Seat (Rear)	Crankless Engines Limited	1.9.1925 - 13.10.1925	sleeve 77	
CE 140	33	1794	Thrust Bearing Gland Cover	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 77	
CE 140	34, 35	1795	Thrust Bearing Gland Ring, Thrust Bearing Gland Ring Spacing Piece	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 77	
CE 140	24	1796	Core Hole Plug	Crankless Engines Limited	7.10.1925 - 13.10.1925	sleeve 77	
CE 140	20	1797	Retaining Collar for Part No. 140-6a	Crankless Engines Limited	29.9.1925 - 13.10.1925	sleeve 77	Drawn PEI
CE 100	285	1798	Generator Driving Pulley	Crankless Engines Limited	9.10.1925 - 12.10.1925	sleeve 77	
CE 139	56	1799	Oil Sump Coverplate	Crankless Engines	9.10.1925 - 12.10.1925	sleeve 77	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 140	37	1800	Air Control Relief Valve Body	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 77	
CE 140	38	1801	Control Piston Housing	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 77	
CE 140	39, 40	1802	Control Piston, Special Lubrication Cock	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 77	
CE 140	6	1804	Scraper Ring (Engine End)	Crankless Engines Limited	13.10.1925	sleeve 77	
CE 140	6a	1805	Scraper Ring (Compressor End)	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 77	
CE 140	42, 43	1807	Extension Shaft Nut, Locking Wire for Part No. 140-42	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 77	
CE 140	45	1809	Compressor Hear Cover	Crankless Engines Limited	7.10.1925 - 13.10.1925	sleeve 77	
		1810		Crankless Engines Limited	12.10.1925 - 13.10.1925	sleeve 77	
CE 140	47	1811	Plate Air Seat	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 78	Drawn PEI
CE 140	50, 51	1812	Slant Location Nut, Locking Wire for Part No. 140-50	Crankless Engines Limited	7.10.1925 - 13.10.1925	sleeve 78	Drawn PEI
CE 140	48, 49	1813	Slant Cone, Slant Key	Crankless Engines Limited	6.10.1925 - 13.10.1925	sleeve 78	Drawn PEI
CE 140	36	1815	Extension to Main Shaft	Crankless Engines Limited	15.10.1925 - 20.10.1925	sleeve 78	Drawn PEI
CE 140	53, 54, 55, 56	1816	Check Valve, Check Valve Spindle, Collar for Part No. 140-54, Check Valve Spring	Crankless Engines Limited	14.10.1925 - 20.10.1925	sleeve 78	
CE 140	52	1817	Check Valve Body	Crankless Engines Limited	14.10.1925 - 20.10.1925	sleeve 78	
CE 140	60	1818	Tappet Guide	Crankless Engines Limited	14.10.1925 - 20.10.1925	sleeve 78	
CE 140	57, 58, 59	1820	Tappet, Tappet Roller, Tappet Roller Pin	Crankless Engines Limited	14.10.1925 - 20.10.1925	sleeve 78	
CE 140	62, 63	1821	Rotary Valve Spring, Rotary Valve Spring Seating	Crankless Engines Limited	14.10.1925 - 20.10.1925	sleeve 78	
CE 140	69	1824	Valve Cage (Right Hand)	Crankless Engines Limited	17.10.1925 - 21.10.1925	sleeve 78	
CE 140	69a	1825	Valve Cage (Left Hand)	Crankless Engines Limited	17.10.1925 - 21.10.1925	sleeve 78	
CE 140	70	1826	Inlet Valve	Crankless Engines Limited	16.10.1925 - 19.10.1925	sleeve 78	
CE 140	71	1827	Valve Spring	Crankless Engines Limited	15.10.1925 - 19.10.1925	sleeve 78	
CE 140	72, 73, 74, 75	1828	Valve Spring Table, Valve Cap, Valve Cotter, Rocker Arm Adjusting Screw	Crankless Engines Limited	16.10.1925 - 21.10.1925	sleeve 78	
CE 140	76	1829	Valve Rocker	Crankless Engines Limited	15.10.1925 -	sleeve 78	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited	21.10.1925		
CE 140	79, 78, 80	1830	Bracket for Valve Rocker, Pin for Valve Rocker, Packing Washer for Part No. 140-79	Crankless Engines Limited	15.10.1925 - 21.10.1925	sleeve 78	
CE 140	77, 81	1831	Bush for Valve Rocker, Petrol Jet	Crankless Engines Limited	15.10.1925 - 21.10.1925	sleeve 78	
CE 100	286	1832	Generator Pulley	Crankless Engines Limited	20.10.1925 - 21.10.1925	sleeve 78	
CE 140	82, 83	1833	Thrust Bearing Distance Piece, Distance Piece for Part No. 140-84	Crankless Engines Limited	14.10.1925 - 21.10.1925	sleeve 79	
CE 140	84	1834	Auxiliary Gear Driving Sprocket	Crankless Engines Limited	31.10.1925	sleeve 79	
CE 140	85, 86	1836	Start Jet Connection, Diaphragm for Part No. 140-85	Crankless Engines Limited	19.10.1925 - 21.10.1925	sleeve 79	
CE 140	87, 88, 89	1837	Slant Jet, Slant Jet Tube, Slant Jet Flange	Crankless Engines Limited	17.10.1925 - 21.10.1925	sleeve 79	
CE 139	86, 87, 88	1838	Breather Cap, Breather Spacing Washer, Gauge for Part No. 139-87	Crankless Engines Limited	15.10.1925 - 21.10.1925	sleeve 79	
CE 140	90, 90a	1839	Inspection Cover (Without Boss), Inspection Cover (As Shown)	Crankless Engines Limited	19.10.1925 - 21.10.1925	sleeve 79	
CE 140	65	1840	Rotary Valve (High Pressure Compressor)	Crankless Engines Limited	15.10.1925 - 22.10.1925	sleeve 79	
CE 140	64	1842	Rotary Valve (Low Pressure Compressor)	Crankless Engines Limited	30.10.1925	sleeve 79	
CE 140	67, 91	1841	Driving Pin for Part No. 140-65, Driving Block for Part No. 140-65	Crankless Engines Limited	14.10.1925 - 22.10.1925	sleeve 79	
CE 140	66, 95	1843	Driving Pin for Part No. 140-64, Hinge Pin for Part No. 140-94 and 140-94a	Crankless Engines Limited	14.10.1925 - 31.10.1925	sleeve 79	
CE 142	3	1844	Engine Piston	Crankless Engines Limited	23.10.1925	sleeve 79	
CE 142	5	1846	Engine Piston Ring	Crankless Engines Limited	22.10.1925 - 23.10.1925	sleeve 79	
CE 142	5a	1847	Booster Piston Ring	Crankless Engines Limited	22.10.1925 - 23.10.1925	sleeve 79	
CE 142	7, 7a, 8	1848	Slipper Pad (R.H.), Slipper Pad (L.H.), Slipper Tail	Crankless Engines Limited	1.10.1925 - 23.10.1925	sleeve 79	
CE 139	89	1849	Oil Filler Body	Crankless Engines Limited	15.10.1925 - 27.10.1925	sleeve 79	
CE 139	90	1850	Oil Filler Screen	Crankless Engines Limited	15.10.1925 - 27.10.1925	sleeve 80	
CE 139	91	1851	Cap for Part No. 139-89	Crankless Engines Limited	15.10.1925 - 27.10.1925	sleeve 80	
CE 139	92, 93	1852	Gland Nut for Part No. 139-89, Gland Ring for Part No. 139-89	Crankless Engines Limited	15.10.1925 - 27.10.1925	sleeve 80	
CE 139	94	1853	Intercooler Relief Valve Body	Crankless Engines	14.10.1925 -	sleeve 80	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited	27.10.1925		
CE 139	95	1854	Cap for Part No. 139-94	Crankless Engines Limited	14.10.1925 - 27.10.1925	sleeve 80	
CE 139	96, 97	1855	Spring for Part No. 139-94, Locking Spring for Part No. 139-95	Crankless Engines Limited	14.10.1925 - 27.10.1925	sleeve 80	
CE 139	78	1856	Oil Pump Plate	Crankless Engines Limited	14.10.1925 - 27.10.1925	sleeve 80	
CE 139	98	1857	Special Connection for Oil Cooling Coil	Crankless Engines Limited	16.10.1925 - 27.10.1925	sleeve 80	
CE 139	99, 100	1858	Special Connection for Oil Cooling Coil, Cap for Part No. 139-99	Crankless Engines Limited	19.10.1925 - 27.10.1925	sleeve 80	
CE 139	101	1859	Special Connection for Oil Cooling Coil	Crankless Engines Limited	14.10.1925 - 27.10.1925	sleeve 80	
CE 139		1860	Assembly of Oil Cooling Coil	Crankless Engines Limited	14.10.1925 - 27.10.1925	sleeve 80	
CE 139	102	1861	Special 'Y' Piece	Crankless Engines Limited	5.10.1925 - 27.10.1925	sleeve 80	
CE 139	103	1862	Special Tee Piece	Crankless Engines Limited	5.10.1925 - 27.10.1925	sleeve 80	
CE 139	104	1863	Special Elbow	Crankless Engines Limited	5.10.1925 - 27.10.1925	sleeve 80	
CE 140		1864	Proposed Type of Peripheral Slipper for use on Yoke of Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	28.10.1925 - 30.10.1925	sleeve 80	
CE 140	94	1865	Governor Spring for Part No. 140-64 (R.H.)	Crankless Engines Limited	28.10.1925 - 30.10.1925	sleeve 80	
CE 140	94a	1866	Governor Spring for Part No. 140-64 (L.H.)	Crankless Engines Limited	28.10.1925 - 30.10.1925	sleeve 80	
CE 140	96, 97	1867	Guide Roller for Part No 140-94 and 140-94a, Pin for Part No. 140-96	Crankless Engines Limited	28.10.1925 - 30.10.1925	sleeve 80	
CE 139	106	1870	Bedplate	Crankless Engines Limited	20.10.1925 - 5.11.1925	sleeve 81	
CE 139	105	1871	Bridge Piece for Part No. 139-102, 139-103, 139-104	Crankless Engines Limited	5.11.1925	sleeve 81	
CE 142	31	1872	Thrust Bearing Slipper Pads	Crankless Engines Limited	6.11.1925 - 7.11.1928	sleeve 81	Drawn JWS
CE 142	32, 30	1873	Thrust Bearing Washer, Thrust Bearing Spherical Seat	Crankless Engines Limited	10.10.1925 - 7.11.1928	sleeve 81	Drawn JWS
CE 142	81, 81a	1874	Slant Nut, Slant Nut Locking Washer	Crankless Engines Limited	4.11.1925 - 7.11.1928	sleeve 81	Drawn JWS
CE 142	28	1875	Shaft Gland (Booster End)	Crankless Engines Limited	4.11.1925 - 7.11.1928	sleeve 81	Drawn JWS
CE 142	24	1876	End Plate	Crankless Engines Limited	4.11.1925 - 7.11.1928	sleeve 81	Drawn JWS
CE 142	9	1878	Slipper Cap	Crankless Engines Limited	30.10.1925 - 7.11.1925	sleeve 81	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 142	10	1879	Slipper Cap Housing	Crankless Engines Limited	25.10.1925 - 7.11.1925	sleeve 81	
CE 142	17	1880	Engine Piston Connection	Crankless Engines Limited	26.10.1925 - 7.11.1925	sleeve 81	
CE 142		1881	Complete Reciprocating Piston-Yoke Unit for Combined Crankless Gas Engine - Booster Unit	Crankless Engines Limited	9.11.1925 - 10.11.1928	sleeve 81	
CE 142	14, 19	1882	Tail Guide, Pin for Part No. 142-10	Crankless Engines Limited	26.10.1925 - 7.11.1925	sleeve 81	
CE 142	38	1885	Front Main Bearing Housing	Crankless Engines Limited	17.10.1925 - 11.11.1925	sleeve 81	
CE 142	29	1886	Rear Main Bearing Housing	Crankless Engines Limited	11.11.1925	sleeve 81	Drawn JWS
CE 142	68, 69	1889	Front Shaft Gland Ring Spacing Piece, Front Shaft Gland Ring	Crankless Engines Limited	17.11.1925	sleeve 82	Drawn JWS
CE 142	66, 72	1890	Front Shaft Gland Sleeve, Fron Shaft Gland Bush	Crankless Engines Limited	17.11.1925	sleeve 82	Drawn JWS
CE 142	34, 35, 36, 37	1892	Setscrew for Part No. 142-29 and 142-30, Setscrew for Part No. 142-30 and 142-131, Booster Shaft Gland Thrower, Thrust Bearing Distance Pipe	Crankless Engines Limited	10.10.1925 - 17.11.1925	sleeve 82	Drawn JWS
CE 142	77, 78, 79, 80	1893	Slant Jet, Slant Jet Locking Plate, Rear Slant Jet Holder Bolt, Rear Slant Jet Holder	Crankless Engines Limited	10.10.1925 - 17.11.1925	sleeve 82	Drawn JWS
CE 142	62	1894	Main Shaft Sprocket	Crankless Engines Limited	18.11.1925 - 20.11.1925	sleeve 82	Drawn JWS
CE 142	45, 45a	1895	Inlet Valve, Exhaust	Crankless Engines Limited	19.11.1925	sleeve 82	Drawn JWS
CE 142	15, 84, 87, 85	1896	Peripheral Slipper, Special Bolt for Part No. 142-3 and 142-17, Peripheral Slipper Spring, Special Bolt for Part No. 142-3a and 142-18	Crankless Engines Limited	16.11.1925 - 20.11.1925	sleeve 82	
CE 142	21, 22	1897	Booster Gland Coverplate, Booster Gland Spacing Piece	Crankless Engines Limited	19.11.1925	sleeve 82	"Cancelled Vide Drawing No. 2117"
CE 142	23	1899	Booster Yoke Gland Ring	Crankless Engines Limited	17.11.1925 - 23.11.1925	sleeve 82	"Cancelled Vide Drawing No. 2154"
CE 142	76	1900	Front Slant Jet Holder	Crankless Engines Limited	21.11.1925 - 23.11.1925	sleeve 82	Drawn JWS
CE 142	11, 18	1901	Slipper Cup Shim, Yoke End Plug	Crankless Engines Limited	20.11.1925 - 23.11.1925	sleeve 82	Drawn JWS
		1902	Data for Wheels to Suit 1/2 N.L. Chains	Crankless Engines Limited	18.11.1925 - 23.11.1925	sleeve 82	Sheet No. DS.485-27
CE 142		1907	End View - Engine End Combined Crankless Gas Engine - Booster Unit	Crankless Engines Limited	14.12.1925 - 16.12.1925	sleeve 82	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 142		1907	End View - Engine End Combined Crankless Gas Engine - Booster Unit	Crankless Engines Limited	14.12.1925 - 16.12.1925	sleeve 83	Blueprint of previous
CE 130	39a	1909	Cone Clutch Member	Crankless Engines Limited	23.11.1925 - 24.11.1925	sleeve 83	
CE 144	2	1910	Clutch Shaft	Crankless Engines Limited	23.11.1925 - 24.11.1925	sleeve 83	
CE 144	4, 6	1911	Second Reduction Pinion, Bush for Part No. 144-5	Crankless Engines Limited	23.11.1925 - 24.11.1925	sleeve 83	
CE 144	3, 5	1912	First Reduction Gearwheel, Second Reduction Gearwheel	Crankless Engines Limited	23.11.1925 - 24.11.1925	sleeve 83	
CE 144	25, 26	1913	Water Pump Drive Sprocket, Tachometer Drive Sprocket	Crankless Engines Limited	19.11.1925 - 25.11.1925	sleeve 83	"Cancelled Vide Drawing No. 2114"
CE 144	27	1914	Sprocket Wheel Gland	Crankless Engines Limited	19.11.1925 - 25.11.1925	sleeve 83	
CE 142	59, 58, 57	1916	Planet Wheel Pin, Planet Wheel Bush, Planet Wheel	Crankless Engines Limited	26.11.1925 - 27.11.1925	sleeve 83	
CE 142	90, 91, 92	1917	Cam Follower Guide, Cam Follower, Cam Follower Pin	Crankless Engines Limited	7.12.1925 - 11.12.1925	sleeve 83	
CE 142	93	1918	Cam Follower Guide Bush	Crankless Engines Limited	7.12.1925 - 11.12.1925	sleeve 83	
		1919	Data for Wheels to Suit 8 M/M N.L. Chains	Crankless Engines Limited	17.11.1925 - 27.11.1925	sleeve 83	Sheet No. DS.485-25
CE 142	60	1920	Annulus	Crankless Engines Limited	26.11.1925 - 27.11.1925	sleeve 83	
CE 142	48, 49, 50	1921	Valve Spring Cap, Valve Collar, Valve Stem Cap	Crankless Engines Limited	26.11.1925 - 3.12.1925	sleeve 83	
CE 143		1922	Longitudinal General Arrangement of Air-Cooled Single-Ended Crankless Aeroplane Engine	Crankless Engines Limited	23.11.1925 - 30.11.1925	sleeve 84	Drawn PEI, Issue No. 1
CE 143		1922	Longitudinal General Arrangement of Air-Cooled Single-Ended Crankless Aeroplane Engine	Crankless Engines Limited	23.11.1925 - 30.11.1925	sleeve 84	Drawn PEI, Issue No. 1, Blueprint of previous
CE 143		1923	End View of Cylinders Air-Cooled Single-Ended Crankless Aeroplane Engine	Crankless Engines Limited	23.11.1925 - 30.11.1925	sleeve 84	Drawn PEI, Issue No. 1, Blueprint
CE 142	56	1924	Sunwheel Shaft	Crankless Engines Limited	27.11.1925 - 30.11.1925	sleeve 84	
CE 142	14, 15	1925	Lower Cover Plate for Part No. 142-1, Upper Cover Plate for Part No. 142-1	Crankless Engines Limited	28.11.1925 - 30.11.1925	sleeve 84	
CE 142	82, 83, 89, 94	1926	Slant Key, T.B. Washer Key, Rotary Valve Key, Sun Wheel Shaft Key	Crankless Engines Limited	25.11.1925 - 30.11.1925	sleeve 84	
CE 142	63	1927	Cam Carrier	Crankless Engines Limited	27.11.1925 - 30.11.1925	sleeve 84	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 144	11, 22, 23, 24	1928	Jaw Coupling Centring Bush, Gear Spacing Washer, Gear Spacing Washer, Washer for End Nut Part No. 144-18	Crankless Engines Limited	13.11.1925 - 30.11.1925	sleeve 84	
CE 144	21, 29	1929	Auxiliary Sprocket Wheel, Spacing Washer for Part No. 144-3	Crankless Engines Limited	28.11.1925 - 30.11.1925	sleeve 84	
CE 144	20, 30	1930	Helical Gearwheel for Part No. 144-18, Helical Gearwheel for Part No. 144-31	Crankless Engines Limited	13.11.1925 - 30.11.1925	sleeve 84	
CE 142	74, 75, 75a	1931	Induction Connection, Induction Connection Nut, Induction Connection Nut Locknut	Crankless Engines Limited	27.11.1925 - 30.11.1925	sleeve 84	
CE 144	18	1932	Auxiliary Shaft	Crankless Engines Limited	13.11.1925 - 1.12.1925	sleeve 84	
CE 144	32, 33, 34, 35	1933	Idler Wheel Shaft, Idler Wheel End Plate, Idler Wheel Disc, Idler Wheel Rivet	Crankless Engines Limited	28.11.1925 - 1.12.1925	sleeve 84	"Cancelled Vide Drawing No. 2111"
CE 144	39, 40, 41, 41a	1935	Friction Wheel Frame, Friction Wheel Endplate, Friction Wheel Washer Friction Rivets	Crankless Engines Limited	1.12.1925 - 2.12.1925	sleeve 84	
CE 144	17	1934	Claw Coupling (Auxiliary Shaft)	Crankless Engines Limited	13.11.1925 - 2.12.1925	sleeve 85	
CE 130	44a, 44b	1936	Clutch Pedal Shaft, Clutch Pedal Shaft Collar	Crankless Engines Limited	24.11.1925 - 3.12.1925	sleeve 85	
CE 144	38	1937	Bracket for Priming Oil Pump	Crankless Engines Limited	30.11.1925 - 3.12.1925	sleeve 85	
CE 144	42, 43, 44	1938	Oil Pump Bracket Bush, Oil Pump Drive Shaft, Oil Pump Idler Shaft	Crankless Engines Limited	30.11.1925 - 3.12.1925	sleeve 85	"Cancelled Vide Drawing No. 2195, 2742, 2195"
		1939	Data for Wheels to Suit 10 M/M N.L. Chains	Crankless Engines Limited	3.12.1925 - 4.12.1925	sleeve 85	Sheet No. DS.485-26
CE 145	3	1942	Water Pump Impeller	Crankless Engines Limited	2.12.1925 - 8.12.1925	sleeve 85	
CE 142	61, 64, 65, 97	1945	Special Stud for Part No. 142-56, Distributor Pinion, Distributor Internal Gear, Distributor Shaft	Crankless Engines Limited	4.12.1925 - 8.12.1925	sleeve 85	
CE 142	99, 98	1946	Distributor Cap, Distributor Body	Crankless Engines Limited	4.12.1925 - 8.12.1925	sleeve 85	
CE 142	46, 47, 67	1949	Valve Guide, Valve Spring, Main Shaft Bush (Front)	Crankless Engines Limited	10.12.1925 - 11.12.1925	sleeve 85	
CE 142	51, 51a	1950	Inlet Valve Rocker, Exhaust Valve Rocker	Crankless Engines Limited	7.12.1925 - 12.12.1925	sleeve 85	
CE 142	52, 53, 54, 55	1951	Rocker Bush, Rocker Pin, Rocker Adjusting Screw, Push Rod	Crankless Engines Limited	7.12.1925 - 11.12.1925	sleeve 85	
CE 142	107	1952	Cam	Crankless Engines Limited	11.12.1925 - 12.12.1925	sleeve 85	
CE 142	70, 71	1954	Shaft Gland Adjusting Block	Crankless Engines Limited	11.12.1925 - 14.12.1925	sleeve 86	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 142	108	1955	Shaft Gland Adjusting Nut	Crankless Engines Limited	14.12.1925	sleeve 86	
		1956	Data for Wheels to Suit 5/8" N.L. Chains	Crankless Engines Limited	9.12.1925 - 10.12.1925	sleeve 86	
CE 142	109, 110	1957	Exhaust Cylinder Connection (Cyls. 2 and 5), Exhaust Cylinder Connection (Cyl. No. 1)	Crankless Engines Limited	17.12.1925 - 29.12.1925	sleeve 86	
CE 142	111, 112	1958	Exhaust Gland, Exhaust Pipe Connecting Flange	Crankless Engines Limited	17.12.1925 - 29.12.1925	sleeve 86	
CE 142	113	1959	Exhaust Pipe Connection	Crankless Engines Limited	18.12.1925 - 29.12.1925	sleeve 86	
CE 145	10	1960	Water Pump Bracket	Crankless Engines Limited	8.12.1925 - 29.12.1925	sleeve 86	
CE 145	4, 5, 6	1961	Water Pump Shaft, Water Pump Shaft Bush, Water Pump Gland	Crankless Engines Limited	8.12.1925 - 29.12.1925	sleeve 86	
CE 145	7, 8, 9	1962	Water Pump Shaft Nut, Water Pump Shaft Washer, Water Pump Special Studs	Crankless Engines Limited	10.12.1925 - 29.12.1925	sleeve 86	
CE 145	11, 13, 14	1963	Driving Sprocket, Gland Locking Plate, Ball Bearing Cover Plate	Crankless Engines Limited	8.12.1925 - 29.12.1925	sleeve 86	
CE 142	115, 114	1964	Exhaust Cylinder Connection (Cyl. No. 4), Exhaust Cylinder Connection (Cyl. No. 3)	Crankless Engines Limited	17.12.1925 - 29.12.1925	sleeve 86	
CE 142	100, 102, 101, 103	1965	Distributor Shaft Spacing Washer, Distributor High Tension Contact, Distributor Terminal Stud, Distributor Segment	Crankless Engines Limited	4.12.1925 - 29.12.1925	sleeve 86	
CE 142	104, 116, 105	1966	Distributor Cap Clip, Special Setscrew for Part No. 142-98, Stop Pin for Distributor Pinion	Crankless Engines Limited	4.12.1925 - 29.12.1925	sleeve 86	
CE 144	45	1967	Adjustable V.bett Pulley Flange	Crankless Engines Limited	8.12.1925 - 18.12.1925	sleeve 86	
CE 146	3, 6	1968	Position Indicator for Part No. 146-2, Anti-Rotation Pin for Part No. 146-5	Crankless Engines Limited	23.12.1925 - 29.12.1925	sleeve 86	
CE 146	4	1969	Air Port Filter	Crankless Engines Limited	23.12.1925 - 29.12.1925	sleeve 87	
CE 146	5	1970	Gas Mixer Sliding Sleeve	Crankless Engines Limited	21.12.1925 - 29.12.1925	sleeve 87	
CE 143	8, 8a, 14	1973	Slipper Tail (Front), Slipper Tail (Rear), Slipper Tail Guide	Crankless Engines Limited	4.12.1925 - 8.1.1926	sleeve 87	Drawn PEI
CE 143	7, 7a	1974	Slipper Pad (Front), Slipper Pad (Rear)	Crankless Engines Limited	4.12.1925 - 8.1.1926	sleeve 87	Drawn PEI
CE 143	3, 17	1975	Piston, Piston Bolt	Crankless Engines Limited	4.12.1925 - 4.1.1926	sleeve 87	Drawn PEI
CE 143	10, 9	1976	Piston-Yoke Connection, Slipper Cap - Large	Crankless Engines Limited	4.12.1925 - 11.1.1926	sleeve 87	Drawn PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 144	36, 37	1979	Chain Housing R.H., Idle Wheel Cover Plate	Crankless Engines Limited	18.12.1925 - 29.12.1925	sleeve 87	"Cancelled Vide Drawing No. 2108, 2107"
CE 144	36a	1980	Chain Housing L.H.	Crankless Engines Limited	18.12.1925 - 29.12.1925	sleeve 87	"Cancelled Vide Drawing No. 2107, 2108"
CE 143	33, 35, 37	1981	Valve Stem Guide, Valve Stem Split Collar, Valve Stem Cap	Crankless Engines Limited	29.12.1925 - 4.1.1926	sleeve 87	Drawn PEI
CE 143	39, 36	1982	Spring Seat, Spring Cap	Crankless Engines Limited	29.12.1925 - 4.1.1926	sleeve 87	Drawn PEI
CE 143	38, 38a	1983	Inlet Valve, Exhaust Valve	Crankless Engines Limited	29.12.1925 - 4.1.1926	sleeve 87	Drawn PEI
CE 143	40, 43, 44	1984	Inlet Valve Rocker, Grease Piston for Part No. 143-41, Spring Piston for Part No. 143- 41	Crankless Engines Limited	29.12.1925 - 4.1.1926	sleeve 87	Drawn PEI
CE 143	40a	1985	Exhaust Valve Rocker	Crankless Engines Limited	29.12.1925 - 4.1.1926	sleeve 87	Drawn PEI
CE 143	41, 42, 43, 48a	1986	Valve Rocker Pin, Valve Rocker Pin End Plug, Push Rod (Inlet), Push Rod (Exhaust)	Crankless Engines Limited	29.12.1925 - 4.1.1926	sleeve 87	Drawn PEI
CE 143	45, 46, 46a	1987	Valve Rocker Bush, Clearance Adjusting Screw, Clearance Adjusting Screw Locknut, Push Rod Ball End	Crankless Engines Limited	29.12.1925 - 4.1.1926	sleeve 87	Drawn PEI
CE 143	59, 60, 64	1988	Sunwheel , Planet Pinion, Annulus Gear	Crankless Engines Limited	18.12.1925 - 4.1.1926	sleeve 87	
CE 147	2, 10	1996	Port Sleeve, Woodruff Key	Crankless Engines Limited	23.12.1925 - 7.1.1926	sleeve 88	
CE 147	3, 9	1997	Screwed Plug, Stop Spring	Crankless Engines Limited	4.1.1926 - 7.1.1926	sleeve 88	
CE 147	5, 4	1998	Oil Strainer, Port Sleeve Cover	Crankless Engines Limited	23.12.1925 - 7.1.1926	sleeve 88	
CE 147	6, 7, 8	1999	Lever Arm, Lever Arm Link, Lever Arm Link Pin	Crankless Engines Limited	23.12.1925 - 7.1.1926	sleeve 88	
CE 143	22, 72	2001	Main Shaft Oil Thrower, Supporting Member for Part No. 143-70	Crankless Engines Limited	24.12.1925 - 12.1.1926	sleeve 88	
CE 143	61, 62, 63, 66	2002	Planet Pinion Bush, Planet Pinion Pin, Planet Pinion Stud, Main Shaft End Plug	Crankless Engines Limited	22.12.1925 - 12.1.1926	sleeve 88	
CE 143	78, 78a, 79	2003	Slant Nut, Slant Nut Locking Plate, Slant Key	Crankless Engines Limited	22.12.1925 - 11.1.1926	sleeve 88	
CE 143	50, 51, 52, 53	2004	Cam Follower Guide, Cam Follower Pin, Cam Follower (Roller), Cam Follower Guide Bush	Crankless Engines Limited	24.12.1925 - 12.1.1926	sleeve 88	
CE 143	70, 70a, 71, 80	2005	Mounting Pin for SK.F. RM5, End Plug Nut for Part No. 143-70, Gear Mounting Washer	Crankless Engines Limited	22.12.1925 - 12.1.1926	sleeve 88	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 143	87, 88, 89	2006	Slant Oil Jet, Cowling Location Screw, Distance Piece for Part No. 143-88	Crankless Engines Limited	24.12.1925 - 12.1.1926	sleeve 88	
CE 146	8	2008	End Cover (Speed Governor)	Crankless Engines Limited	8.1.1926 - 14.1.1926	sleeve 88	
CE 146	9	2009	Sliding Sleeve for Speed Governor	Crankless Engines Limited	5.1.1926 - 14.1.1926	sleeve 88	
CE 146	10	2010	Fixed Sleeve for Speed Governor	Crankless Engines Limited	5.1.1926 - 14.1.1926	sleeve 88	
CE 146	11	2011	Control Fork (Speed Governor)	Crankless Engines Limited	5.1.1926 - 14.1.1926	sleeve 88	
CE 146	12, 13, 14	2012	Pin for Part No. 146-15, Roller for Part No. 146-11. Pin for Part No. 146-11	Crankless Engines Limited	5.1.1926 - 14.1.1926	sleeve 88	
CE 146	15, 24, 25, 26	2013	Weight Links (Speed Governor), Fulcrum Pin, End Nut for Part No. 146-24, Distance for Part No. 146-34	Crankless Engines Limited	5.1.1926 - 14.1.1926	sleeve 88	
CE 146	23	2014	Gland for Part No. 146-19	Crankless Engines Limited	4.1.1926 - 14.1.1926	sleeve 88	
CE 146	28	2016	Special Coupling for Vertical Control Rod	Crankless Engines Limited	29.12.1925 - 14.1.1926	sleeve 88	
CE 146	30, 31, 32, 33	2017	Pin for Part No. 146-29, Pin for Part No. 146-28, Distance Piece for Part No. 146-29, Retaining Washer for Part No. 146-36 and 146-36a	Crankless Engines Limited	29.12.1925 - 14.1.1926	sleeve 89	
CE 146	34, 29, 35	2018	Balance Weight Lever, Links for Part No. 146-34, Suspension Rod for Part No. 146-36	Crankless Engines Limited	29.12.1925 - 14.1.1926	sleeve 89	
CE 146	36, 36a	2019	Balance Weight (Small), Balance Weight (Large)	Crankless Engines Limited	29.12.1925 - 14.1.1926	sleeve 89	
CE 143	21	2020	Main Shaft Gland	Crankless Engines Limited	22.12.1925 - 8.1.1926	sleeve 89	
CE 143	24	2021	Main Shaft Ball Bearing Housing (Propeller End)	Crankless Engines Limited	22.12.1925 - 8.1.1926	sleeve 89	
CE 143	26	2022	Thrust Ring	Crankless Engines Limited	5.1.1926 - 11.1.1926	sleeve 89	
CE 143	19, 18	2023	Piston Baffle, Piston - Yoke Stud	Crankless Engines Limited	6.1.1926 - 11.1.1926	sleeve 89	
CE 143	56	2025	Planet Housing	Crankless Engines Limited	22.12.1925 - 12.1.1926	sleeve 89	
CE 143	27	2026	Thrust Slipper Pad	Crankless Engines Limited	10.12.1925 - 12.1.1926	sleeve 89	Drawn PEI
CE 146	40, 41	2035	Governor Spring, Governor Weight	Crankless Engines Limited	14.1.1926 - 23.1.1926	sleeve 89	
CE 146	20, 21	2036	Dash Pot Plunger, Dash Pot Plunger Rod	Crankless Engines Limited	15.1.1926 - 22.1.1926	sleeve 89	
CE 146	42	2037	Induction Bend	Crankless Engines Limited	14.1.1926 - 22.1.1926	sleeve 89	"Cancelled Vide Drawing No. 2153"

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 118	62, 65, 64, 61	2039	3/8 Long Holder, 1 1/2 x 1/6d Jet to Suit Part No. 118-37a, 5/8 x 1/16d Jet to Suit Part No. 118-37a, 3/8 Double Ended Long Holder	Crankless Engines Limited	10.1.1926 - 26.1.1926	sleeve 90	
CE 118	63, 66	2040	3/8 Right-Through Union Body, 3/8 Right Angle Union Body	Crankless Engines Limited	25.1.1926 - 26.1.1926	sleeve 90	
CE 134	40	2041	Pump Cover - Suction End	Crankless Engines Limited	21.1.1926 - 27.1.1926	sleeve 90	
CE 134	41, 42	2042	Suction Pipe Nut, Free Gear Shaft	Crankless Engines Limited	21.1.1926 - 27.1.1926	sleeve 90	
CE 134	43	2043	Special Dividing Plate	Crankless Engines Limited	21.1.1926 - 27.1.1926	sleeve 90	
CE 142	117, 117a	2044	Slantcase Inspection Cover (Plain), Slantcase Oil Filter	Crankless Engines Limited	22.1.1926 - 27.1.1926	sleeve 90	
CE 142	118	2045	Blowout Valve Cover	Crankless Engines Limited	20.1.1926 - 27.1.1926	sleeve 90	
CE 142	119, 120	2046	Blowout Valve, Blowout Valve Spring	Crankless Engines Limited	20.1.1926 - 27.1.1926	sleeve 90	
CE 146	17, 18	2047	Speed Control Rod Fitting, Speed Control Rod Fitting Pin	Crankless Engines Limited	14.1.1926 - 27.1.1926	sleeve 90	
CE 143	91, 92	2048	Oil Pump (Complete), Oil Pump Filter	Crankless Engines Limited	14.1.1926 - 12.2.1926	sleeve 90	
CE 147	11	2049	Supporting Bracket	Crankless Engines Limited	25.2.1926 - 27.2.1926	sleeve 90	
CE 146	37	2051	Gas Bell Housing	Crankless Engines Limited	10.2.1926 - 11.2.1926	sleeve 90	
CE 146	38	2052	Gas Bell	Crankless Engines Limited	10.2.1926 - 11.2.1926	sleeve 90	
CE 146	39	2053	Gas Bell Housing Cover	Crankless Engines Limited	10.2.1926 - 11.2.1926	sleeve 91	
CE 142	88	2054	Adapter Plate for 12" Gas Valve	Crankless Engines Limited	3.2.1926 - 9.2.1926	sleeve 91	
CE 139	110	2055	Water Pump Connection	Crankless Engines Limited	15.2.1926 - 23.2.1926	sleeve 91	
CE 144	8, 59	2056	Engagement Rocker, Spring for Part No. 144-57 and 144-58	Crankless Engines Limited	3.2.1926 - 11.2.1926	sleeve 91	
CE 144	7	2057	Engagement Shaft	Crankless Engines Limited	5.2.1926 - 11.2.1926	sleeve 91	
CE 144	56, 57	2058	Pins for Part No. 144-8, Pedal Lever, Sliding Toggle Pin	Crankless Engines Limited	3.2.1926 - 11.2.1926	sleeve 91	
CE 144	58, 60	2059	Fixed Toggle Pin, Supporting Pin for Part No. 144-58	Crankless Engines Limited	5.2.1926 - 11.2.1926	sleeve 91	
CE 130	70	2060	Starting Handle Bearing	Crankless Engines Limited	3.2.1926 - 11.2.1926	sleeve 91	
CE 146	52	2065	Throttle Stop Bracket	Crankless Engines Limited	11.2.1926	sleeve 91	
CE 143	6	2068	Scraper Ring	Crankless Engines Limited	15.1.1926 - 12.2.1926	sleeve 91	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 143	11, 15	2069	Slipper Cup Shim, Slipper Tail Guide Stop	Crankless Engines Limited	15.1.1926 - 12.2.1926	sleeve 91	
CE 143	28	2070	Thrust Oil Thrower	Crankless Engines Limited	10.12.1925 - 12.2.1926	sleeve 91	Drawn PEI
CE 143	90	2072	Loose Flange for Part No. 143-47	Crankless Engines Limited	26.1.1926 - 12.2.1926	sleeve 91	
CE 143	93	2073	Thrust Plate Oil Retainer	Crankless Engines Limited	5.1.1926 - 12.2.1926	sleeve 91	
CE 143	29	2074	Slant Oil Retainer	Crankless Engines Limited	10.12.1925 - 12.2.1926	sleeve 91	Drawn PEI
CE 143	94	2076	Breather Cap, Breather Spacing Washer, Guage for Part No. 139-87	Crankless Engines Limited	27.1.1926 - 12.2.1926	sleeve 91	
CE 143	95, 96	2077	Breather Screens, Spacing Piece for Part No. 143-95	Crankless Engines Limited	21.1.1926 - 12.2.1926	sleeve 92	
CE 143	82	2078	Oil Sump Coverplate	Crankless Engines Limited	12.2.1926	sleeve 92	
CE 144	53, 54, 55, 61, 62	2084	Base for Generator, Holding Strap for Generator, Eye Bolt for Part No. 144-54, Hinge Pin for Part No. 144-54, Special Adjusting Studs	Crankless Engines Limited	21.12.1925 - 12.2.1926	sleeve 92	"Cancelled Vide Drawing No. 2143, 2170"
CE 142	106	2085	Coverplate for Part NO. 142-41	Crankless Engines Limited	3.2.1926 - 15.2.1926	sleeve 92	
CE 146	27, 53	2086	Speed Control Lever, Lever for Part No. 146-48	Crankless Engines Limited	2.2.1926 - 13.2.1926	sleeve 92	
CE 146	48, 54	2087	Speed Governor Gas Valve, Guide Bracket for Part No. 146-55	Crankless Engines Limited	11.2.1926 - 13.2.1926	sleeve 92	
CE 146	47, 49, 51	2088	Water Seal Bell, Rod for Gas Bell, Links for Part No.146-49	Crankless Engines Limited	10.2.1926 - 13.2.1926	sleeve 92	
CE 146	57, 58	2089	Starting Control Bracket, Pin for Part No. 146-57	Crankless Engines Limited	12.2.1926 - 13.2.1926	sleeve 92	
CE 146	59, 60, 61	2090	Knob for Part No. 146-58, Guide for Part No. 146-60, Connecting Pin for Part No. 146-28 and 146-57	Crankless Engines Limited	12.2.1926 - 13.2.1926	sleeve 92	
CE 146	62, 63, 64	2091	Spring for Part No. 146-58, Link for Part No. 146-5, Pin for Part No. 146-5	Crankless Engines Limited	13.2.1926	sleeve 92	
CE 146	65, 66	2092	Circuit Breaker Body, Cicut Breaker Cap	Crankless Engines Limited	18.2.1926 - 13.2.1926	sleeve 92	
CE 146	16, 68	2093	Control Fork Shaft, Cam for Circuit Breaker	Crankless Engines Limited	11.2.1926 - 13.2.1926	sleeve 92	
CE 146	22, 69, 70, 71	2094	Dash Pot Plunger Link, Counterbalance Weight for Part No. 146-22, Pin for Part No. 146-22 and 146-34, Pin for Part No. 146-22 and 146-21	Crankless Engines Limited	13.2.1926	sleeve 92	
CE 146	44, 45, 46, 50	2095	Throttle Plate Stop, Special Bolts for Throttle Plate Stop, Throttle Spindle Stop, Throttle Spindle	Crankless Engines Limited	11.2.1926 - 13.2.1926	sleeve 92	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 146	55, 72, 73, 74	2096	Speed Control Rod, Sleeve Nut for Part No. 146-55, Lock Nut for Part No. 146-72, Collar for Part No. 146-55	Crankless Engines Limited	12.2.1926 - 13.2.1926	sleeve 93	
CE 146	56, 75	2097	Pin for Part No. 146-51, Spring for Part No. 146-55	Crankless Engines Limited	15.2.1926	sleeve 93	
CE 127		2102	Half Section Showing Alteration to Gland and Coupling	Crankless Engines Limited	23.2.1926 - 26.2.1926	sleeve 93	
CE 142	121, 123	2102	Speical Studs for Part No. 142-25, Retaining Nut for Engine Cyl. Bolts	Crankless Engines Limited	23.2.1926 - 27.2.1926	sleeve 93	
CE 142	122, 124	2103	R. and L. Lever, Bridge Spring	Crankless Engines Limited	26.2.1926 - 27.2.1926	sleeve 93	
CE 118	67, 67a	2104	Non-Return Valve	Crankless Engines Limited	17.2.1926 - 4.3.1926	sleeve 93	
CE 145	15, 16	2105	Distance Piece for Part No. 145-11, Flanged Connection	Crankless Engines Limited	2.3.1926 - 4.3.1926	sleeve 93	"Cancelled Vide Drawing No. 2110"
CE 144	63, 63a	2107	Chain Housing (Bottom Half)	Crankless Engines Limited	7.4.1926 - 4.6.1926	sleeve 93	
CE 144	64a, 64	2108	Chain Housing (Top Half)	Crankless Engines Limited	7.4.1926 - 4.6.1926	sleeve 93	
CE 144	32a, 65, 66	2109	Idler Wheel Shaft, Spacing Washer, Base plate for Part No. 144-63 and 144-63a	Crankless Engines Limited	7.4.1926	sleeve 93	
CE 145	16a	2110	Flanged Connection	Crankless Engines Limited	25.3.1926 - 30.3.1926	sleeve 93	
CE 144	33a, 33b, 34, 35	2111	Idler Wheel End Plate L.H., Idler Wheel End Plate R.H., Idler Wheel Disc, Idler Wheel Rivet	Crankless Engines Limited	1.4.1926	sleeve 93	
CE 144	25	2114	Water Pump Drive Sprocket	Crankless Engines Limited	14.4.1926 - 17.6.1926	sleeve 93	
CE 144	68	2115	Ball Bearing Retaining Washer	Crankless Engines Limited	15.4.1926 - 28.5.1926	sleeve 93	
CE 144	26, 67, 69	2116	Tachometer Drive Sprocket, Housing for Part No. 144-19, Setscrews for Part No. 144-68	Crankless Engines Limited	14.4.1926 - 17.6.1926	sleeve 93	
CE 142	127	2117	Yoke Gland	Crankless Engines Limited	16.4.1926 - 3.6.1926	sleeve 93	Traced PEI
CE 148	3	2120	Piston	Crankless Engines Limited	29.3.1926 - 30.4.1926	sleeve 94	
CE 148	4	2121	Yoke Gland	Crankless Engines Limited	29.3.1926 - 30.4.1926	sleeve 94	
CE 148	5, 6	2122	Pressure Ring, Scraper Ring	Crankless Engines Limited	23.6.1926 - 25.6.1926	sleeve 94	
CE 148	7	2123	Slipper Pad	Crankless Engines Limited	29.3.1926 - 7.4.1926	sleeve 94	
CE 148	9, 11	2124	Slipper Cup, Slipper Cup Shim	Crankless Engines Limited	29.3.1926 - 30.4.1926	sleeve 94	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 148	16, 19, 20	2125	Peripheral Slipper, Spring for Part No. 148-16, Pin for Part No. 148-16	Crankless Engines Limited	30.3.1926 - 3.6.1926	sleeve 94	
CE 148	17, 12, 18	2126	Piston - Yoke Stud, Slipper Cup - Yoke Stud, Nut for Part No. 148-12 and 148-17	Crankless Engines Limited	30.3.1926 - 3.6.1926	sleeve 94	
CE 148	22, 23	2127	Delivery Valve, Delivery Valve Cover	Crankless Engines Limited	7.4.1926 - 26.6.1926	sleeve 94	"Cancelled Vide Drawing No. ..."
CE 148	24, 32	2128	Plug for Part No. 148-39, 148-40 and 148-58, Bush for Part No. 148-31 (Top)	Crankless Engines Limited	12.4.1926	sleeve 94	Issue No. 3 10.8.1927
CE 148	25	2129	Inlet Valve	Crankless Engines Limited	1.4.1926 - 12.8.1926	sleeve 94	"Cancelled Vide Drawing No. 2364"
CE 148	26, 73, 73a	2130	Plug for Part No. 148-25, Yoke-Guide Setscrew, Locknut for Part No. 148-73	Crankless Engines Limited	1.4.1926 - 25.6.1926	sleeve 94	
CE 148	27, 28	2131	Inlet Valve Driving Wheel, Key for Part No. 148-27	Crankless Engines Limited	9.4.1926 - 30.4.1926	sleeve 94	"Cancelled Vide Drawing No. ..."
CE 148	29, 37	2132	Spiral Pinion (Oil Pump Drive), Nut for Part No. 148-29	Crankless Engines Limited	7.5.1926 - 17.5.1926	sleeve 94	Issue No. 2 10.8.1927
CE 148	34	2134	Spiral Wheel (Oil Pump Drive)	Crankless Engines Limited	7.5.1926 - 17.5.1926	sleeve 94	Issue No. 2 10.8.1927
CE 148	35, 36, 36a	2135	Key for Part No. 148-34, Setscrew for Part No. 148-34, Lock Plate for Part No. 148-36	Crankless Engines Limited	18.6.1926 - 25.6.1926	sleeve 94	Issue No. 2 10.8.1927
CE 148	38	2136	Yoke Guide	Crankless Engines Limited	13.5.1926 - 17.5.1926	sleeve 94	
CE 148	31	2138	Auxiliary Shaft	Crankless Engines Limited	7.5.1926 - 17.5.1926	sleeve 95	
CE 148	42	2140	Thrust Pad Cup (Front)	Crankless Engines Limited	7.5.1926 - 17.5.1926	sleeve 95	
CE 144	71	2142	Generator Bracket	Crankless Engines Limited	17.5.1926 - 19.5.1926	sleeve 95	Drawn PEI
CE 144	70	2143	Generator Clamp	Crankless Engines Limited	17.5.1926 - 19.5.1926	sleeve 95	Drawn PEI
CE 124		2144	Test Specimens	Crankless Engines Limited	19.5.1926 - 20.5.1926	sleeve 95	
CE 148	46, 56, 57	2145	Distance Piece, Armature Spider Key, Slant Key	Crankless Engines Limited	24.5.1926 0 27.5.1926	sleeve 95	Issue No. 3 31.10.1927
CE 148	52, 53	2146	Main Shaft Cone, Bush for Armature Spider	Crankless Engines Limited	24.5.1926 0 27.5.1926	sleeve 95	Issue No. 2 10.8.1927
CE 148	54, 55	2147	Main Shaft Nut (Motor End), Main Shaft Nut (Comp. End)	Crankless Engines Limited	24.5.1926 0 27.5.1926	sleeve 95	"Cancelled Vide Drawing No. 2462"
CE 148	46, 51	2148	Poil Pump Drive Shaft, Oil Pump Idler Shaft	Crankless Engines Limited	25.5.1926 0 28.5.1926	sleeve 95	
CE 148	47, 48	2149	Oil Pump Gear Wheel (Driver), Oil Pump Gear Wheel (Driven)	Crankless Engines Limited	25.5.1926 0 28.5.1926	sleeve 95	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 148	50	2150	Oil Pump Base	Crankless Engines Limited	25.5.1926 0 28.5.1926	sleeve 95	
CE 148	49	2151	Oil Pump Cover	Crankless Engines Limited	25.5.1926 0 26.5.1926	sleeve 95	
CE 148	58	2152	Oil Sump Cover-Plate	Crankless Engines Limited	25.5.1926 0 28.5.1926	sleeve 95	
CE 146	42a	2153	Induction Bend	Crankless Engines Limited	24.3.1926 - 1.4.1926	sleeve 95	
CE 148	43, 33	2154	Thrust Pad Cup (Rear), Auxiliary Shaft Bush (Lower)	Crankless Engines Limited	7.5.1926 - 4.6.1926	sleeve 95	
CE 148	59	2155	Slant-Case Cover	Crankless Engines Limited	4.6.1926	sleeve 95	Drawn PEI "Cancelled Vide Drawing No. ..."
CE 148	60, 61, 62	2156	Baffle Plate, Baffle Cover, Baffle Cover Knob	Crankless Engines Limited	4.6.1926	sleeve 96	Drawn and Traced PEI "Cancelled Vide Drawing No. 2218"
CE 142	23	2157	Booster Yoke Gland Ring	Crankless Engines Limited	17.4.1926 - 10.6.1926	sleeve 96	
CE 148	63	2159	Oil Filler Cap	Crankless Engines Limited	10.6.1926 - 12.6.1926	sleeve 96	Drawn PEI Issue No. 2 Revised 18.10.1926
CE 148	64	2160	Oil Filler Body	Crankless Engines Limited	10.6.1926 - 14.6.1926	sleeve 96	Drawn PEI
CE 148	65	2161	Oil Filter	Crankless Engines Limited	10.6.1926 - 14.6.1926	sleeve 96	Drawn PEI
CE 148	44, 66	2162	Thrust Pad Cup Shim, Oil Filler Clip	Crankless Engines Limited	15.6.1926 - 16.6.1926	sleeve 96	Drawn and Traced PEI "Cancelled Vide Drawing No. ..."
CE 148	67, 67a, 68	2163	Oil Jet Holder (Single), Oil Jet Holder (Double), Oil Jet	Crankless Engines Limited	23.6.1926 - 28.6.1926	sleeve 96	
CE 148	69, 70	2164	Oil Pump Filter, Oil Pump Filter, Oil Pum pFilter Spring	Crankless Engines Limited	18.6.1926 - 25.6.1926	sleeve 96	
CE 148	75, 85, 71	2165	Grubscrew for Part No. 148-39 and 148-40, Delivery Valve Spring	Crankless Engines Limited	18.6.1926 - 25.6.1926	sleeve 96	
CE 148	74, 76	2166	Main Bearing (Front), Main Bearing (Rear)	Crankless Engines Limited	18.6.1926 - 25.6.1926	sleeve 96	Issue No. 2 10.8.1927
CE 148	72	2167	Inlet Valve Spring	Crankless Engines Limited	21.6.1926 - 25.6.1926	sleeve 96	
CE 146	54	2170	Holding Strap for Generator	Crankless Engines Limited	23.6.1926	sleeve 96	Drawn PEI
CE 148	41, 77, 78	2171	Thrust Pad, Main Bearing Stop (Front), Main Bearing Stop (Rear)	Crankless Engines Limited	21.6.1926 - 26.6.1926	sleeve 96	Issue No. 2 10.8.1927
CE 148	79	2172	Oil Sump Baffle Plate	Crankless Engines Limited	22.6.1926 - 25.6.1926	sleeve 96	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 148	80	2173	Oil Level Indicator Body	Crankless Engines Limited	22.6.1926 - 25.6.1926	sleeve 96	"Cancelled Vide Drawing No. 2216"
CE 148	81, 82, 83, 84	2174	Cork Washer, Oil Level Indicator Glass, Guard for Part No. 148-82, Plug for Part No. 148-80	Crankless Engines Limited	22.6.1926 - 25.6.1926	sleeve 97	
	128	2175	Finger Valve Retainer	Crankless Engines Limited	13.7.1926 - 19.7.1926	sleeve 97	
CE 148	86, 87, 88	2176	Cylinder Block Plug, Cylinder Block Dowel Pin, Cylinder Block Dowel Pin	Crankless Engines Limited	21.7.1926 - 10.8.1926	sleeve 97	
CE 142		2177	Sketch Showing Enlarged Air Ports	Crankless Engines Limited	12.7.1926 - 29.7.1926	sleeve 97	
CE 142	129	2179	Oil Filler Body	Crankless Engines Limited	30.7.1926 - 31.7.1926	sleeve 97	Drawn PEI
CE 142	130	2180	Oil Filler Cap	Crankless Engines Limited	30.7.1926 - 2.8.1926	sleeve 97	Drawn PEI
CE 142		2181	Oil Filler (Complete)	Crankless Engines Limited	30.7.1926 - 3.8.1926	sleeve 97	Drawn PEI
CE 149	20	2182	Bearing Support Block	Crankless Engines Limited	5.8.1926 - 22.4.1929	sleeve 97	Drawn PEI
CE 149	14, 21, 15	2183	Inlet Valve, Valve Retaining Screw, Valve Spring	Crankless Engines Limited	1.8.1926 - 22.4.1929	sleeve 97	Drawn PEI
CE 149	3	2185	Cylinder Head	Crankless Engines Limited	3.8.1926 - 22.4.1929	sleeve 97	
CE 149	6, 8, 7	2186	Connecting Rod, Connecting Nut, Crankpin	Crankless Engines Limited	3.8.1926 - 22.4.1929	sleeve 97	Drawn PEI
CE 149	13, 5, 9	2187	Big End Oil Pipe, Gudgeon Pin, Retaining Washer	Crankless Engines Limited	3.8.1926 - 22.4.1929	sleeve 97	Drawn PEI
CE 149	10	2188	Crankweb	Crankless Engines Limited	3.8.1926 - 22.4.1929	sleeve 97	Drawn PEI
CE 116	7	2191	Air Compressor Name Plate	Crankless Engines Limited	4.8.1926 - 5.8.1926	sleeve 98	
CE 142	59	2192	Spring for Part No. 142-57 and 142-58	Crankless Engines Limited	5.8.1926 - 13.8.1926	sleeve 98	
CE 148	89, 90, 91	2193	Oil Union Body Holder, Oil Union Body Holder, Main Bearing Stop (Rear)	Crankless Engines Limited	9.8.1926 - 10.8.1926	sleeve 98	
CE 144		2194	Priming Oil Pump	Crankless Engines Limited	12.8.1926 - 14.8.1926	sleeve 98	Drawn PEI
CE 144	74, 73	2195	Priming Oil Pump Drive Shaft, Oil Pump Bracket Bush	Crankless Engines Limited	3.8.1926 - 14.8.1926	sleeve 98	Drawn PEI
CE 144	75, 76	2196	Gland Nut Lockplate, Gland Nut	Crankless Engines Limited	3.8.1926 - 14.8.1926	sleeve 98	Drawn PEI
CE 149	11	2197	Mainshaft	Crankless Engines Limited	1.8.1926 - 22.4.1929	sleeve 98	Drawn PEI
CE 127	238	2200	Intake Pipe Flange	Crankless Engines Limited	26.8.1926 - 28.8.1926	sleeve 98	Drawn PEI
CE 150		2201	Air Silencer Pipe Flange	Crankless Engines	3.9.1926 - 28.8.1926	sleeve 98	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 129	42	2204	Drive Shaft	Crankless Engines Limited	9.9.1926 - 24.9.1926	sleeve 98	
CE 129	43	2205	Driven Shaft	Crankless Engines Limited	9.9.1926 - 24.9.1926	sleeve 98	
CE 129	44, 45, 46	2206	Distance Piece for Part No. 129-42, 129-42 and 129-43	Crankless Engines Limited	9.9.1926 - 24.9.1926	sleeve 98	
CE 129	47, 48	2207	Nut for Part No. 129-43, 129-42	Crankless Engines Limited	9.9.1926 - 24.9.1926	sleeve 98	
CE 129	49	2208	Cap for Part No. 129-43	Crankless Engines Limited	10.9.1926 - 24.9.1926	sleeve 98	
CE 129	50	2209	Gland Cap for Part No. 129-43	Crankless Engines Limited	10.9.1926 - 24.9.1926	sleeve 98	
CE 129	20	2210	Drive Shaft Cover	Crankless Engines Limited	1.3.1927 - 5.10.1927	sleeve 98	
CE 129	52	2211	Drive Shaft Gland Cover	Crankless Engines Limited	10.9.1926 - 24.9.1926	sleeve 98	
CE 142		2214	Longitudinal General Arrangement of Combined Crankless Gas Engine - Booster Unit	Crankless Engines Limited	18.10.1925 - 30.9.1926	sleeve 99	Drawn JWS and PEI, Blueprint
CE 148	80	2216	Oil Level Indicator Body	Crankless Engines Limited	22.6.1926 - 25.6.1926	sleeve 99	
CE 148	84, 92	2217	Plug for Part No. 148-80, Oil Level Indicator	Crankless Engines Limited	8.10.1926	sleeve 99	
CE 148	93	2218	Slant-Case Inspection Cover	Crankless Engines Limited	11.10.1926	sleeve 99	
CE 152	1, 3, 3a, 7	2220	Slant, Piston, Piston Plug, Slipper Pad	Crankless Engines Limited	18.10.1926 - 19.10.1926	sleeve 99	
CE 152	4	2221	Yoke	Crankless Engines Limited	18.10.1926 - 19.10.1926	sleeve 99	
CE 148	94, 95	2222	Oil Filler Cap Hinge, Pin for Part No. 148-	Crankless Engines Limited	16.10.1926 - 19.10.1926	sleeve 99	
CE 148	96	2223	Air Intake Pipe	Crankless Engines Limited	18.10.1926 - 20.10.1926	sleeve 99	
CE 148	97	2224	Loose Flange for Part No. 148-21 and 148-21a	Crankless Engines Limited	18.10.1926 - 20.10.1926	sleeve 99	"Cancelled Vide Drawing No. 2227"
CE 152	2, 8	2225	Shaft, Rotary Valve	Crankless Engines Limited	18.10.1926 - 25.10.1926	sleeve 99	
CE 148	98	2226	Cylinder Head Plug	Crankless Engines Limited	25.10.1926 - 26.10.1926	sleeve 99	
		2246	General Arrangement 10 Cyl. Crankless Water Pump	Crankless Engines Limited	27.11.1926 - 11.1.1927	sleeve 99	Blueprint
CE 148		2253	General Arrangement of Direct Coupled Two Cylinder Single Ended Air Cooled Crankless Air Brake Compressor	Crankless Engines Limited	7.12.1926 - 9.12.1926	sleeve 99	Blueprint

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 148		2254	General Arrangement of Direct Coupled Two Cylinder Single Ended Air Cooled Crankless Air Brake Compressor	Crankless Engines Limited	30.7.1926 - 9.12.1926	sleeve 100	Blueprint
CE 124	119, 120, 293, 294	2256	Pressure Pump Driving Wheel, Pressure Pump Driven Wheel, Scavenge Pump Driving Nut, Scavenge Pump Driven Wheel	Crankless Engines Limited	14.12.1926 - 20.12.1926	sleeve 100	
CE 124	295	2257	Pressure Oil Pump Body	Crankless Engines Limited	16.12.1926 - 20.12.1926	sleeve 100	
CE 124	296	2258	Scavenge Oil Pump Body	Crankless Engines Limited	17.12.1926 - 20.12.1926	sleeve 100	
CE 124	297, 298	2259	Oil Pump Dividing Plate, Coverplate for Part No. 124-296	Crankless Engines Limited	17.12.1926 - 20.12.1926	sleeve 100	
CE 124	299	2260	Oil Check Valve Body	Crankless Engines Limited	21.12.1926	sleeve 100	
CE 148	101	2262	Balance Weight for Slant	Crankless Engines Limited	4.1.1927 - 1.8.1927	sleeve 100	
CE 153	1	2265	Main Shaft	Crankless Engines Limited	17.12.1926 - 14.1.1927	sleeve 100	"Cancelled Vide Drawing No. 2365"
CE 153	9, 7	2266	Slipper Cup, Slipper Pad	Crankless Engines Limited	21.12.1926 - 13.1.1927	sleeve 100	
CE 153	13, 14	2267	Distance Piece, Distance Piece	Crankless Engines Limited	17.12.1926 - 14.1.1927	sleeve 100	"Cancelled Vide Drawing No. ..."
CE 153	12, 18, 30	2268	Slant Key, Key for Part No. 153-15, 153-16 and 153-17, Flywheel Key	Crankless Engines Limited	17.12.1926 - 14.1.1927	sleeve 100	
CE 153	15, 21	2269	Sleeve Valve Driving Pinion	Crankless Engines Limited	21.12.1926 - 14.1.1927	sleeve 100	
CE 153	25	2270	Thrust Bearing Spherical Washer	Crankless Engines Limited	21.12.1926 - 14.1.1927	sleeve 100	
CE 153	20	2271	Front Journal Bearing Seat	Crankless Engines Limited	21.12.1926 - 14.1.1927	sleeve 100	
CE 153	19, 31, 74	2272	Shaft Nut, Rear Shaft Nut, Locking Pin for Part No. 153-31	Crankless Engines Limited	17.12.1926 - 14.1.1927	sleeve 100	"Cancelled Vide Drawing No. ..."
CE 153	16, 17	2273	Sleeve Valve Location Washer (Front), Sleeve Valve Location Washer (Rear)	Crankless Engines Limited	17.12.1926 - 14.1.1927	sleeve 101	
CE 153	5	2276	Cylinder Head Junk Ring	Crankless Engines Limited	5.8.1927 - 6.8.1927	sleeve 101	
CE 153	10, 11, 86	2277	Piston - Yoke Connection Bott., Special Nut for Part No. 153-10, Special Washer for Part No. 153-10	Crankless Engines Limited	8.4.1927 - 19.4.1927	sleeve 101	
CE 153	22, 23	2278	Front Journal Bearing Pads, Front Journal bearing Stop	Crankless Engines Limited	15.8.1927 - 5.12.1927	sleeve 101	
CE 124	301	2281	Special Holder	Crankless Engines Limited	5.1.1927 - 3.12.1927	sleeve 101	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	303	2282	Distributor Base	Crankless Engines Limited	21.1.1927 - 22.1.1927	sleeve 101	
CE 124	304	2283	Distributor Body	Crankless Engines Limited	21.1.1927 - 24.1.1927	sleeve 101	
CE 124	305	2284	Distributor Cap	Crankless Engines Limited	21.1.1927 - 24.1.1927	sleeve 101	
CE 124	306	2285	Distributor Cam	Crankless Engines Limited	21.1.1927 - 24.1.1927	sleeve 101	
CE 124	307, 308, 309	2286	Location Pin for Distributor Cap, Distributor Cap Clip	Crankless Engines Limited	21.1.1927 - 24.1.1927	sleeve 101	
CE 124		2287	Distributor for 15.9 H.P. (R.A.C.) Petrol Engine (Revised Desgin)	Crankless Engines Limited	20.1.1927 - 25.1.1927	sleeve 101	
CE 124	310, 311, 312	2288	Radiator Buffer (Long), Radiator Buffer (Short), Distance Piece for Part No. 124-31	Crankless Engines Limited	25.1.1927	sleeve 101	Issue No. 2 22.8.1927
CE 124	313, 314, 315	2289	Oil Radiator Supporting Stud, Special Nut for Part No. 124-313, Union Flange for Oil Radiator	Crankless Engines Limited	25.1.1927	sleeve 101	Issue No. 2 22.8.1927
		2290	Standard Simms Vernier Coupling	Crankless Engines Limited	26.1.1927 - 7.2.1927	sleeve 101	
		2291	Standard Knuckle Connection	Crankless Engines Limited	26.1.1927 - 7.2.1927	sleeve 102	
CE 124	316, 317, 318	2292	Distributor Shaft, Distributor Terminal, Distributor Centre Terminal	Crankless Engines Limited	26.1.1927 - 28.1.1927	sleeve 102	
CE 153	34	2293	Magneto Driving Wheel	Crankless Engines Limited	26.1.1927 - 27.1.1927	sleeve 102	
CE 124	321	2294	Radiator Fan Cowl	Crankless Engines Limited	8.4.1927 - 12.4.1927	sleeve 102	
		2294		Crankless Engines Limited	1.2.1927	sleeve 102	
CE 155	6	2295	Mandrel Bush	Crankless Engines Limited	2.2.1927 - 4.2.1927	sleeve 102	
CE 155	2	2296	Slant	Crankless Engines Limited	2.2.1927 - 4.2.1927	sleeve 102	
CE 155	3, 4, 5	2297	Distance Piece for Part No. 155-1, Key for Part No. 155-2	Crankless Engines Limited	2.2.1927 - 4.2.1927	sleeve 102	
CE 124	322a, 322c	2298	Engine Underpan (Centre), Engine Underpan (Rear)	Crankless Engines Limited	7.2.1927	sleeve 102	
CE 148	105	2304	Oil Filler Plate	Crankless Engines Limited	16.5.1927 - 3.2.1928	sleeve 102	
CE 124	322c	2306	Engine Underpan	Crankless Engines Limited	15.2.1927 - 18.2.1927	sleeve 102	
CE 153	2	2307	Slant	Crankless Engines Limited	8.4.1927 - 19.4.1927	sleeve 102	
CE 148		2308	Sketch Showing Arrangement of Oil Filler	Crankless Engines Limited	26.2.1927	sleeve 102	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 142	133a, 133b, 133c	2311	Engine Piston (Revised Design), Compression Adjust. Washer, Compression Adjust. Ring	Crankless Engines Limited	23.2.1927	sleeve 102	
CE 124	323	2312	Exhaust Pipe Bend (Single)	Crankless Engines Limited	7.2.1927 - 1.3.1937	sleeve 103	
CE 124	324	2313	Exhaust Pipe Bend (Two-Way)	Crankless Engines Limited	8.2.1927 - 1.3.1937	sleeve 103	
CE 124	326	2314	Exhaust Pipe Flange	Crankless Engines Limited	8.2.1927 - 1.3.1937	sleeve 103	
CE 124	325	2315	Exhaust Pipe Bend (Tail Pipe)	Crankless Engines Limited	8.2.1927 - 1.3.1937	sleeve 103	
		2316	Experimental Oil Ejector	Crankless Engines Limited	30.11.1926	sleeve 103	
CE 148		2317	Air Cleaner of General Electric Compressor	Crankless Engines Limited	2.3.1927 - 4.3.1927	sleeve 103	
CE 124	332	2321	Fan Shaft Eccentric Bush	Crankless Engines Limited	9.3.1927 - 16.12.1927	sleeve 103	
CE 124	335	2322	Fan Adjustment Gland	Crankless Engines Limited	9.3.1927 - 16.12.1927	sleeve 103	
CE 124	330	2323	Fan Shaft	Crankless Engines Limited	10.3.1927 - 16.12.1927	sleeve 103	
CE 124	331, 333	2324	Fan Shaft Bushes, Fan Shaft Grub Screw	Crankless Engines Limited	10.3.1927 - 16.12.1927	sleeve 103	
CE 124	327, 329	2325	Belt Pulley (Lower), Main Shaft Pulley	Crankless Engines Limited	10.3.1927 - 16.12.1927	sleeve 103	
CE 124	336, 337, 338, 339	2326	Fan Adjustment Arm, Fan Adjustment Handle, Fan Adjustment Stop, Fan Adjustment Knob	Crankless Engines Limited	10.3.1927 - 16.12.1927	sleeve 103	
CE 124	29	2327	Fan Drive Housing Inspection Cover	Crankless Engines Limited	10.3.1927 - 19.4.1927	sleeve 103	
CE 157	4	2328	Piston-Yoke	Crankless Engines Limited	9.3.1927 - 14.3.1927	sleeve 103	
CE 157	3	2329	Piston	Crankless Engines Limited	1.3.1927 - 12.3.1927	sleeve 103	
CE 157	8, 15	2332	Slipper Cup, Idler Wheel Bush	Crankless Engines Limited	3.3.1927 - 23.5.1927	sleeve 104	"Cancelled Vide Drawing No. 2565"
CE 157	9, 10, 11	2333	Slipper Cup Housing (Front), Piston-Yoke Stud, Special Nut for Part No. 157-10	Crankless Engines Limited	3.3.1927 - 28.4.1927	sleeve 104	
CE 157	12, 13	2334	Slipper Cup Seat (Rear), Special Nut for Part No. 157.12	Crankless Engines Limited	14.5.1927 - 28.5.1927	sleeve 104	"Cancelled Vide Drawing No. 2643"
CE 157	24, 25	2337	Inlet Valve Sleeve, Inlet Valve Sleeve Pin	Crankless Engines Limited	16.3.1927 - 18.3.1927	sleeve 104	"Cancelled Vide Drawing No. 2439"
CE 157	26, 27	2338	Inlet Valve Pinion, Inlet Valve Idler Wheel	Crankless Engines Limited	14.3.1927 - 19.4.1927	sleeve 104	"Cancelled Vide Drawing No. 2565"

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 157	3a	2339	Inlet Valve Driving Pinion	Crankless Engines Limited	2.3.1927 - 14.3.1927	sleeve 104	"Cancelled Vide Drawing No. 2568"
CE 124	367	2340	Handbrake Shoe Fulcrum Pin	Crankless Engines Limited	22.8.1927 - 6.12.1927	sleeve 104	
CE 156	40	2346	Magneto Drive Housing	Crankless Engines Limited	1.12.1927 - 22.4.1929	sleeve 104	
CE 153	40	2346	Magneto Drive Cover	Crankless Engines Limited	1.12.1927 - 21.1.1928	sleeve 104	
CE 153	47, 48	2347	Scav. Pump Spindle Bush (Front), Scav. Pump Spindle Bush (Rear)	Crankless Engines Limited	10.3.1927 - 19.4.1927	sleeve 104	
CE 157	29	2348	Inlet Valve Retaining Plate	Crankless Engines Limited	2.3.1927 - 20.4.1927	sleeve 104	
CE 153	53, 54, 55	2351	Scav. Pump Filter, Scav. Pump Filter Spring, Scav. Pump Filter Plug	Crankless Engines Limited	2.4.1927 - 19.4.1927	sleeve 104	
CE 124	344	2352	Fan Adjustment Guard	Crankless Engines Limited	8.4.1927 - 12.4.1927	sleeve 104	
CE 124	345	2353	Fand Adjustment Gland Ring	Crankless Engines Limited	8.4.1927 - 12.4.1927	sleeve 104	
CE 124	346	2354	Fan Adjustment Baffle Plate	Crankless Engines Limited	8.4.1927 - 12.4.1927	sleeve 104	
CE 124	347, 348	2355	Bonnet Anchorage Bracket, Bonnet Anchorage Bracket	Crankless Engines Limited	8.4.1927 - 12.4.1927	sleeve 104	
CE 124	349, 349a	2356	Bonnet Supporting Bracket, Bonnet Supoporting Bracket (With Lug)	Crankless Engines Limited	12.4.1927 - 6.12.1927	sleeve 104	
CE 124	352, 353, 353a	2357	Pin for Part No. 124-349:351, 124-350:351 and 124-358:351	Crankless Engines Limited	3.3.1927 - 3.3.1928	sleeve 104	
CE 124	350, 351	2358	Bonnet Supporting Fork, Bonnet Supporting Links	Crankless Engines Limited	8.4.1927 - 3.5.1928	sleeve 105	
CE 124	355, 356, 357	2359	Bonnet Stop Pin, Knob for Part No. 124-355, Spring for Part No. 124-355	Crankless Engines Limited	7.4.1927 - 5.3.1928	sleeve 105	
CE 124	360	2363	Instrument Board	Crankless Engines Limited	13.4.1927 - 14.4.1927	sleeve 105	
CE 153	1	2364	Main Shaft	Crankless Engines Limited	9.4.1927 - 19.4.1927	sleeve 105	
CE 148	25	2365	Inlet Valve	Crankless Engines Limited	30.4.1927	sleeve 105	
CE 124	361	2366	Starting Shaft Bracket	Crankless Engines Limited	5.4.1927 - 22.4.1927	sleeve 105	
CE 124	362, 363	2367	Setscrew for Part No. 124-361, Special Washer for Part No. 124-362	Crankless Engines Limited	5.4.1927 - 23.4.1927	sleeve 105	
CE 157	45, 51	2370	Locking Wire for Part NO. 157-30, Dowel Pins for Part No. 157-39, 157-40	Crankless Engines Limited	27.4.1927 - 27.4.1927	sleeve 105	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 153	8, 26, 28, 29, 75	2371	Stop Pin for Part No. 153-5, 153-25 and 153-27, Driving Pin for Part No. 153-24, Special Washer for Part No. 153-28	Crankless Engines Limited	29.5.1927 - 15.9.1927	sleeve 105	
CE 153	24	2372	Spherical Thrust Washer Seat	Crankless Engines Limited	28.5.1927 - 3.6.1927	sleeve 105	
CE 153	27	2373	Thrust Rod Ring	Crankless Engines Limited	11.4.1927 - 21.4.1927	sleeve 105	
CE 153	46, 39	2376	Press Pump Driving Nut, Spark Plug Adapter	Crankless Engines Limited	26.4.1927 - 28.4.1927	sleeve 105	
CE 153	67, 68	2377	Induction Pipe Insert, Front Bearing Insert	Crankless Engines Limited	4.4.1927 - 20.4.1927	sleeve 105	
CE 153	41, 42, 43, 44	2378	Magneto Timing Pinion, Magneto Timing Pinion Bush, Magneto Timing Pinion Spindle, Special Nut for Part No. 153-43	Crankless Engines Limited	21.3.1927 - 7.5.1927	sleeve 105	
CE 153	45	2379	Magneto Base	Crankless Engines Limited	18.3.1927 - 28.4.1927	sleeve 105	
CE 153	49, 50, 51	2380	Scav. Pump Spindle, Scav. Pump Driving Pinion, Special Nut for Part No. 153-49	Crankless Engines Limited	12.4.1927 - 19.4.1927	sleeve 105	
CE 153	52, 56	2381	Scav. Pump Location Plug, Drain Plug	Crankless Engines Limited	4.4.1927 - 20.4.1927	sleeve 105	
CE 153	58	2383	Oil Baffle Plate	Crankless Engines Limited	28.5.1927 - 18.9.1927	sleeve 106	
CE 153	59	2384	Slant-Case Inspection Cover	Crankless Engines Limited	27.4.1927 - 29.4.1927	sleeve 106	
CE 153	60	2385	Exhaust Pipe Loose Flange	Crankless Engines Limited	12.4.1927 - 19.4.1927	sleeve 106	
CE 153	61	2386	Exhaust Pipe	Crankless Engines Limited	2.4.1927 - 20.4.1927	sleeve 106	
CE 153	63, 64	2388	Special Oil Union, Special Oil Union Holder	Crankless Engines Limited	1.4.1927 - 20.4.1927	sleeve 106	
CE 153	65, 66	2389	Distributor Spiral Pinion, Distributor Spiral Wheel	Crankless Engines Limited	4.4.1927 - 19.4.1927	sleeve 106	
CE 153	70, 69	2390	Special Washer for Part No. 153-46, Induction Pipe Adaptor	Crankless Engines Limited	26.4.1927 - 31.5.1927	sleeve 106	
CE 157	28	2391	Special Stud for Part No. 157-27	Crankless Engines Limited	21.7.1927 - 5.12.1927	sleeve 106	"Cancelled Vide Drawing No. 2569"
CE 157	31	2392	Thrust Pad Cup (Front)	Crankless Engines Limited	20.5.1927 - 23.5.1927	sleeve 106	
CE 157	32	2393	Main Shaft Cone	Crankless Engines Limited	28.5.1927 - 31.5.1927	sleeve 106	
CE 157	36, 37, 38	2394	Oil Pump Drive Shaft, Oil Pump Gear Wheel (Driver), Oil Pump Gear Wheel (Driven)	Crankless Engines Limited	21.3.1927 - 18.5.1927	sleeve 106	
CE 157	41, 50	2395	Oil Pump Base, Oil Pump Strainer	Crankless Engines Limited	21.3.1927 - 20.5.1927	sleeve 106	"Cancelled Vide Drawing No. 2529"

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 157	42	2396	Oil Pump Body	Crankless Engines Limited	4.5.1927 - 9.8.1927	sleeve 106	
CE 157	44	2397	Oil Sump Inspection Cover	Crankless Engines Limited	20.5.1927 - 8.10.1927	sleeve 106	
CE 157	46	2398	Oil Sump Baffle Plate	Crankless Engines Limited	22.4.1927 - 28.4.1927	sleeve 106	
CE 157	47	2399	Main Bearing (Rear)	Crankless Engines Limited	20.4.1927 - 27.4.1927	sleeve 106	
CE 157	49, 48	2400	Oil Retaining Plate, Oil Thrower	Crankless Engines Limited	28.5.1927 - 31.5.1927	sleeve 106	"Cancelled Vide Drawing No. 2548"
CE 157	59, 52, 56, 14	2401	Plug for Part No. 157-42, Grubscrew for Part No. 157-40 and 157-42, Stop-pin for Part No. 157-4:12	Crankless Engines Limited	5.5.1927 - 23.5.1927	sleeve 107	
CE 157	53, 54, 55	2402	Breather Cap, Breather Gauge, Breather Baffle	Crankless Engines Limited	21.4.1927 - 27.4.1927	sleeve 107	
CE 157	35	2403	Suction Pipe	Crankless Engines Limited	30.4.1927 - 9.8.1927	sleeve 107	
CE 157	21, 22, 62	2404	Delivery Valve, Cylinder Head Plug, Delivery Valve Buffer	Crankless Engines Limited	23.5.1927 - 27.5.1927	sleeve 107	"Cancelled Vide Drawing No. 2547"
CE 157	16, 17, 18	2405	Peripheral Slipper, Peripheral Slipper Pin, Peripheral Slipper Spring	Crankless Engines Limited	22.4.1927 - 29.4.1927	sleeve 107	
CE 157	60	2406	Deliver Pipe	Crankless Engines Limited	18.5.1927 - 9.8.1927	sleeve 107	
CE 157	57, 58	2407	Special Oil Union Holder, Special Oil Union	Crankless Engines Limited	6.5.1927 - 23.5.1927	sleeve 107	"Cancelled Vide Drawing No. 2642"
CE 124	365	2408	Dynamotor Sprocket	Crankless Engines Limited	28.4.1927 - 6.18.1927	sleeve 107	
CE 153	71, 73	2409	Magneto Base Setscrew, Locknut for Part No. 153-69	Crankless Engines Limited	18.3.1927 - 28.4.1927	sleeve 107	
CE 124	343	2410	Starting Motor Flange	Crankless Engines Limited	24.3.1927 - 3.2.1928	sleeve 107	
CE 142	134	2411	Engine Valve Cam	Crankless Engines Limited	2.5.1927	sleeve 107	Thin paper, folded at the edges, drawing light pencil, dirty
CE 148	109	2412	Venturi Air Silencer	Crankless Engines Limited	3.5.1927 - 22.5.1927	sleeve 107	
CE 142	134	2413	Master Cam	Crankless Engines Limited	4.5.1927 - 7.8.1927	sleeve 107	
CE 142	134	2414	Cam	Crankless Engines Limited	9.5.1927 - 17.8.1927	sleeve 107	
CE 148	110, 111	2415	Oil Retaining Plate, Main Shaft Cone	Crankless Engines Limited	12.5.1927	sleeve 107	Thin paper, drawing light pencil, dirty smudges, a little torn

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 156	10, 11	2416	Valve Push Rod, Rocker Arm Cup	Crankless Engines Limited	15.5.1927 - 14.6.1927	sleeve 108	
CE 156	23, 24	2417	Rear Bush for Part No. 156-25, Front Bush for Part No. 156-25	Crankless Engines Limited	15.5.1927 - 22.11.1927	sleeve 108	
CE 156	27, 28	2418	Bush for Annulus, Bush for Part No. 124-28	Crankless Engines Limited	13.5.1927 - 20.11.1927	sleeve 108	
CE 156	26	2419	Annulus	Crankless Engines Limited	12.5.1927 - 5.12.1927	sleeve 108	
CE 156	15, 29	2420	Toppet, Pin for Part No. 124-28	Crankless Engines Limited	28.5.1927 - 20.11.1927	sleeve 108	
CE 156	8, 9	2421	Inlet Valve, Exhaust Valve	Crankless Engines Limited	28.5.1927 - 20.11.1927	sleeve 108	
CE 156	12, 35	2422	Valve Guide, Valve Spring Cap	Crankless Engines Limited	4.8.1927 - 20.11.1927	sleeve 108	
CE 156	16, 17	2423	Inlet Tappet Guide, Exhaust Tappet Guide	Crankless Engines Limited	14.5.1927 - 20.11.1927	sleeve 108	
CE 156	7	2424	Face Cam (Blank)	Crankless Engines Limited	18.5.1927 - 20.11.1927	sleeve 108	
CE 156	30	2425	Sun Wheel Shaft	Crankless Engines Limited	19.5.1927 - 20.11.1927	sleeve 108	
CE 156	7, 7	2427	Master Cams for Milling Face Cam of 15.9 (R.A.C.) Petrol Engine	Crankless Engines Limited	19.8.1927 - 7.2.1928	sleeve 108	
CE 156	37	2428	Distance Piece for Part No. 124-25	Crankless Engines Limited	20.6.1927 - 31.1.1928	sleeve 108	
CE 158	1	2429	Thrust Bearing Slipper Pads	Crankless Engines Limited	23.5.1927 - 26.5.1927	sleeve 108	
CE 158	2	2430	Thrust Bearing Washer	Crankless Engines Limited	23.5.1927 - 26.5.1927	sleeve 108	
CE 158	3	2431	Thrust Bearing Spherical Washer	Crankless Engines Limited	23.5.1927 - 28.5.1927	sleeve 108	
CE 158	4	2432	Thrust Bearing Spherical Washer Seat	Crankless Engines Limited	23.5.1927 - 26.5.1927	sleeve 108	
CE 158	5, 6	2433	Stop Pin for Part No. 158-1 and 158-3	Crankless Engines Limited	23.5.1927 - 26.5.1927	sleeve 108	
CE 156	13	2435	Rocker Arm (Inlet)	Crankless Engines Limited	30.5.1927 - 20.11.1927	sleeve 108	
CE 156	14	2346	Rocker Arm (Exhaust)	Crankless Engines Limited	30.5.1927 - 20.11.1927	sleeve 109	
CE 156	25	2347	Starting Shaft Bracket	Crankless Engines Limited	30.5.1927 - 22.11.1927	sleeve 109	
CE 156	21	2348	Cylinder Head Cover	Crankless Engines Limited	27.5.1927 - 20.11.1927	sleeve 109	
CE 157	24	2349	Inlet Valve Disc	Crankless Engines Limited	2.12.1927 - 5.12.1927	sleeve 109	
CE 156	4	2440	Piston	Crankless Engines Limited	10.5.1927 - 2.6.1927	sleeve 109	"Cancelled Vide Drawing No. 2755"
CE 157	34, 61	2441	Shim for Part No. 157-31 and 157-12	Crankless Engines Limited	23.4.1927 - 23.5.1927	sleeve 109	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 139	113	2443	Rotary Valve	Crankless Engines Limited	14.6.1927 - 17.11.1927	sleeve 109	
CE 139	114	2445	L.P. Piston	Crankless Engines Limited	15.6.1927 - 17.11.1927	sleeve 109	
CE 156	68	2446	Thrust Bearing Pads	Crankless Engines Limited	14.6.1927 - 22.11.1927	sleeve 109	
CE 156	19	2447	Rocker Bracket	Crankless Engines Limited	9.6.1927 - 22.11.1927	sleeve 109	
CE 139	115, 116	2448	Extension Piece for Part No. 139-27, Special Setscrew for Part No. 139-2	Crankless Engines Limited	16.6.1927 - 17.11.1927	sleeve 109	
CE 156	70, 71	2449	Distance Piece for Part No. 156-45, T.B. Adjusting Nut	Crankless Engines Limited	16.6.1927 - 20.11.1927	sleeve 109	
CE 156	69, 74	2450	T.B. Washer, T.B. Distance Piece	Crankless Engines Limited	17.6.1927 - 20.11.1927	sleeve 109	
CE 156	6	2451	Slipper Cups	Crankless Engines Limited	20.6.1927 - 20.11.1927	sleeve 109	
CE 156	76	2453	Clutch Back Plate Gland	Crankless Engines Limited	23.6.1927 - 20.11.1927	sleeve 109	
CE 156	82, 83	2455	Spring Tension Collar for Part No. 156-81, Nut for Part No. 156-77	Crankless Engines Limited	25.6.1927 - 2.9.1927	sleeve 109	
CE 156	79, 80	2456	Pull Rod Clutch Release, Clevis End for Part No. 156-79	Crankless Engines Limited	25.6.1927 - 20.11.1927	sleeve 109	
CE 156	84	2457	Lever for Part No. 156-78	Crankless Engines Limited	27.6.1927 - 19.11.1927	sleeve 110	
CE 156	86	2458	Clutch Pedal Adjusting Lever	Crankless Engines Limited	1.9.1927 - 20.11.1927	sleeve 110	
CE 156	85	2459	Brake Shoe for Part No. 156-77	Crankless Engines Limited	30.6.1927 - 3.2.1927	sleeve 110	
CE 156	87, 88	2460	Clutch Brake Shoe Stay, Clutch Thrust Ring	Crankless Engines Limited	28.6.1927 - 20.11.1927	sleeve 110	
CE 156	89, 90, 91, 92	2461	Special Setscrew for Part No. 156-87, Special Nut for Part No. 156-89, 159-89, Spring Cap	Crankless Engines Limited	29.6.1927 - 20.11.1927	sleeve 110	
CE 157	33, 63	2462	Location Collar for Part No. 157-36, Main Shaft Nut (Motor End)	Crankless Engines Limited	21.5.1927 - 28.6.1927	sleeve 110	
CE 157		2463	Arrangement of Oil Piping	Crankless Engines Limited	30.5.1927 - 6.6.1927	sleeve 110	
CE 156	66, 67, 75	2464	Location Collar for Part No. 156-57, Nut for Part No. 156-46, 156-57 and 156-54, Nut for Part No. 156-51	Crankless Engines Limited	21.6.1927 - 20.11.1927	sleeve 110	
CE 156	48, 49	2465	Bush for Part No. 156-43 and 156-56, Bush for Part No. 156-42 and 156-56	Crankless Engines Limited	20.6.1927 - 20.11.1927	sleeve 110	
CE 156	77	2466	Clutch Shaft	Crankless Engines Limited	30.6.1927 - 20.8.1927	sleeve 110	
CE 156	47	2467	Intermediate Shaft Pinion	Crankless Engines Limited	25.6.1927 - 20.11.1927	sleeve 110	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 156	57	2468	Oil Pump Drive Shaft	Crankless Engines Limited	24.6.1927 - 20.11.1927	sleeve 110	
CE 156	52	2469	Pinion for Part No. 156-54	Crankless Engines Limited	1.7.1927 - 20.11.1927	sleeve 110	
CE 156	51	2470	Intermediate Drive Shaft	Crankless Engines Limited	30.6.1927 - 19.11.1927	sleeve 110	"Cancelled Vide Drawing No. 2729"
CE 156	95	2471	Inspection Plug for Part No. 156-56	Crankless Engines Limited	4.7.1927 - 20.11.1927	sleeve 110	
CE 156	58, 59, 60	2471	Pressure Pump Driving Wheel, Pressure and Scavenge Pump Driven Wheels, Scavenge Pump Driving Wheel	Crankless Engines Limited	30.6.1927 - 20.11.1927	sleeve 110	
CE 156	46	2473	Radial Auxiliary Drive Shaft	Crankless Engines Limited	17.6.1927 - 20.11.1927	sleeve 110	
CE 156	65	2474	Oil Pump Shaft Pinion	Crankless Engines Limited	18.6.1927 - 20.11.1927	sleeve 110	
CE 156	32	2475	Starting Shaft	Crankless Engines Limited	30.5.1927 - 31.1.1928	sleeve 111	
CE 156	53	2476	Fan Shaft Gear Wheel	Crankless Engines Limited	1.7.1927 - 3.2.1928	sleeve 111	
CE 156	50	2477	Intermediate Shaft Gear Wheel	Crankless Engines Limited	2.7.1927 - 20.11.1927	sleeve 111	
CE 156	98	2478	Cover for Part No. 156-156-56	Crankless Engines Limited	1.7.1927 - 20.11.1927	sleeve 111	
CE 156	96, 97	2479	Distance Piece for Fan, Distance Piece for Part No. 156-53	Crankless Engines Limited	29.6.1927 - 20.11.1927	sleeve 111	
CE 156	99	2480	Fan Shaft Gland	Crankless Engines Limited	1.7.1927 - 20.11.1927	sleeve 111	
CE 156	42	2481	Oil Pump Drive Housing	Crankless Engines Limited	15.6.1927 - 20.11.1927	sleeve 111	
CE 156	43	2482	Radial Auxiliary Shaft Housing	Crankless Engines Limited	1.7.1927 - 22.11.1927	sleeve 111	
CE 156	55	2483	Fan Shaft Bearing Housing	Crankless Engines Limited	29.6.1927 - 22.11.1927	sleeve 111	
CE 156	62	2484	Pressure Pump Body	Crankless Engines Limited	1.7.1927 - 20.11.1927	sleeve 111	
CE 156	103, 104	2485	Oil Check Valve Body, Oil Check Valve Cap	Crankless Engines Limited	1.7.1927 - 20.11.1927	sleeve 111	
CE 156	107, 108	2486	Special Oil Union Body, Special Oil Union Nut	Crankless Engines Limited	1.7.1927 - 20.11.1927	sleeve 111	
CE 139	2	2488	Modifications to Part No. 139-2	Crankless Engines Limited	6.7.1927 - 17.11.1927	sleeve 111	
CE 156	112	2488	Oil Sump Baffle Plate	Crankless Engines Limited	1.7.1927 - 3.2.1928	sleeve 111	
CE 139	27	2492	Modifications to Part No. 139-27	Crankless Engines Limited	6.7.1927 - 17.11.1927	sleeve 111	
CE 156	34	2493	Rear Bearing Housing	Crankless Engines Limited	5.7.1927 - 22.11.1927	sleeve 111	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 156	113	2494	Cylinder Head Gasket	Crankless Engines Limited	5.7.1927 - 22.11.1927	sleeve 112	
CE 156	93	2495	Clutch Hub	Crankless Engines Limited	5.7.1927 - 20.11.1927	sleeve 112	
CE 156	100	2496	Oil Sump Filter	Crankless Engines Limited	5.7.1927 - 3.2.1928	sleeve 112	
CE 156	5	2497	Slipper Tail Guides	Crankless Engines Limited	6.7.1927 - 3.2.1928	sleeve 112	
CE 156	63, 120, 121	2498	Oil Pump Dividing Plate, Oil Pump Setscrews (Long), Oil Pump Setscrews (Short)	Crankless Engines Limited	1.7.1927 - 20.11.1927	sleeve 112	"Cancelled Vide Drawing No. ..."
CE 156	64	2499	Scavenge Pump Body	Crankless Engines Limited	1.7.1927 - 20.11.1927	sleeve 112	
CE 156	44, 110	2500	Starting Claw, Clutch Shaft Thrust Washer	Crankless Engines Limited	7.6.1927 - 23.1.1928	sleeve 112	
CE 156	31, 102	2502	Starting Shaft Release Spring, Oil Filler Filter	Crankless Engines Limited	17.8.1927 - 20.11.1927	sleeve 112	
CE 156	78	2503	Clutch Release Shaft	Crankless Engines Limited	6.7.1927 - 20.11.1929	sleeve 112	
CE 156	122	2504	Plug for Part No. 156-22	Crankless Engines Limited	6.7.1927 - 20.11.1929	sleeve 112	
CE 159	1, 2	2505	Thrust Bearing Slipper Pads	Crankless Engines Limited	6.7.1927 - 3.3.1928	sleeve 112	
CE 159	3	2506	Spherical Washer Seat	Crankless Engines Limited	6.7.1927 - 5.12.1927	sleeve 112	
CE 159	4	2507	Spherical Washer	Crankless Engines Limited	6.7.1927 - 5.12.1927	sleeve 112	
CE 159	5	2508	Thrust Bearing Washer	Crankless Engines Limited	6.7.1927 - 5.12.1927	sleeve 112	
CE 159	6	2509	Thrust Bearing Seat	Crankless Engines Limited	7.7.1927 - 6.12.1927	sleeve 112	
CE 159	7, 8, 9	2510	Stop Pin for Part No. 159-4, Stop Pin for Part No. 159-1 and 159-2, Stop Pin for Part No. 159-3 and 159-6	Crankless Engines Limited	7.7.1927 - 6.12.1927	sleeve 112	
CE 156	124, 125, 126, 127	2512	Impeller Thrust Button, Water Pump Shaft Bush, Water Pump Shaft, Special Nut for Part No. 156-126	Crankless Engines Limited	13.8.1927 - 5.12.1927	sleeve 112	
CE 156	18, 18a, 81	2514	Valve Spring (Outer), Valve Spring (Inner), Spring for Part No. 156-85	Crankless Engines Limited	23.1.1928	sleeve 112	
CE 156	33	2515	Starting Handle Crank	Crankless Engines Limited	9.12.1927 - 24.1.1928	sleeve 113	
CE 156	54	2516	Radiator Fan Shaft	Crankless Engines Limited	28.6.1927 - 20.11.1927	sleeve 113	
CE 156	45	2517	Spiral Bevel Wheel	Crankless Engines Limited	3.6.1927 - 3.2.1928	sleeve 113	
CE 156	128	2518	Distributor Head	Crankless Engines Limited	11.7.1927 - 22.11.1927	sleeve 113	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 156	129	2519	Distributor Head Cap	Crankless Engines Limited	11.7.1927 - 3.2.1928	sleeve 113	
CE 156	132a, 132, 130, 131	2520	Contact Term. Nut, Contact Term. Nut, H.T. Contact Brush Term, H.T. Contact Brush Term	Crankless Engines Limited	12.7.1927 - 3.2.1928	sleeve 113	
CE 156	139	2521	Water Pump Cover	Crankless Engines Limited	14.7.1927 - 20.11.1927	sleeve 113	
CE 156	38	2523	Flywheel	Crankless Engines Limited	14.7.1927 - 22.11.1927	sleeve 113	
CE 139	117	2524	Low Pressure Delivery Valve Housing	Crankless Engines Limited	18.7.1927 - 17.11.1927	sleeve 113	
CE 156	137, 138	2526	Balance Weight, Special Stud for Part No. 156-2	Crankless Engines Limited	19.7.1927 - 2.12.1927	sleeve 113	
CE 156	141	2527	Water Pump Impeller	Crankless Engines Limited	19.7.1927 - 20.11.1927	sleeve 113	
CE 156	143	2528	Fan Bracket	Crankless Engines Limited	20.7.1927 - 20.11.1927	sleeve 113	
CE 157	50	2529	Oil Pump Filter	Crankless Engines Limited	22.7.1927 - 10.8.1927	sleeve 113	
CE 156	133, 134	2530	Distributor Gear Wheel, Distance Piece for Part No. 156-133	Crankless Engines Limited	21.7.1927 - 20.11.1927	sleeve 113	
CE 156	101, 105	2531	Oil Level Gauge Rod, Knob for Part No. 156-101	Crankless Engines Limited	26.7.1927 - 20.11.1927	sleeve 113	
CE 157	66	2534	Special Union for Oil Supply to Rear Bearing	Crankless Engines Limited	29.7.1927 - 5.12.1927	sleeve 113	
CE 157	43, 65, 66	2535	Delivery Valve Spring, Special Holder, Special Oil Union	Crankless Engines Limited	14.10.1927 - 5.12.1927	sleeve 114	
CE 156	114, 115, 116	2537	Special Set Screw for Part No. 156-21, Special Studs for Part No. 156-34, Special Stud for Part No. 156-39	Crankless Engines Limited	5.7.1927 - 20.11.1927	sleeve 114	
CE 156	40, 41	2541	Pressure Rings, Scraper Rings	Crankless Engines Limited	8.8.1927	sleeve 114	
CE 156	145	2542	Clutch Lever Thrust Spring	Crankless Engines Limited	23.1.1928	sleeve 114	
CE 156	146, 147, 148	2544	Piston-Yoke Connect. Bolt, Special Nut for 156-, Starting Bracket Setscrew	Crankless Engines Limited	3.5.1927 - 6.8.1927	sleeve 114	
CE 153	6	2545	Pressure Ring	Crankless Engines Limited	8.8.1927	sleeve 114	
CE 139	118, 119, 120	2546	Plug for Part No. 139-34, Spring for Part No. 139-34, Plug for High Pressure Delivery Valve	Crankless Engines Limited	9.8.1927 - 17.11.1927	sleeve 114	
CE 157	67	2547	Delivery Valve	Crankless Engines Limited	9.8.1927 - 12.10.1927	sleeve 114	
CE 157	68	2548	Oil Retaining Plate	Crankless Engines Limited	10.8.1927	sleeve 114	
CE 156	135	2549	Gland Ring	Crankless Engines	11.8.1927 - 4.12.1927	sleeve 114	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 156	178	2551	Peripheral Slipper	Crankless Engines Limited	12.8.1927 - 5.12.1927	sleeve 114	
CE 156	180, 191, 192	2552	Rocker Oil Jet, Special Stud for Part No. 156-56:123, Special Nut for Part No. 156-191	Crankless Engines Limited	12.8.1927 - 4.12.1927	sleeve 114	
CE 156	181, 182	2553	Exhaust Pipe Gasket, Carburettor Flange Gasket	Crankless Engines Limited	13.8.1927 - 15.8.1927	sleeve 114	
CE 156	183	2554	Exhaust Tail Pipe Nut	Crankless Engines Limited	13.8.1927 - 5.12.1927	sleeve 114	
CE 156	179, 188, 189, 190	2556	Location Setscrew for Part No. 156-125, Generator Supporting Stud, Special Nut for Part No. 156-115, Special Nut for Part No. 156-188	Crankless Engines Limited	16.8.1927 - 4.12.1927	sleeve 114	
CE 156	211, 212	2557	Non-Return Valve for Part No. 156-195, Plug for Part No. 156-211	Crankless Engines Limited	17.8.1927 - 20.11.1927	sleeve 114	
CE 156	205, 206, 207	2558	Special Union Body for Oil Cooler, Nut for Part No. 156-205, Union Flange for Part No. 156-211 and 156-208	Crankless Engines Limited	17.8.1927 - 20.11.1927	sleeve 114	
CE 156	208, 258, 256	2559	Oil Radiator Drain Plug, Special Union Holder, Special Right Angle Union	Crankless Engines Limited	17.8.1927 - 24.1.1928	sleeve 115	
CE 156	209, 210	2560	Oil Radiator Filler Cap, Flange for Part No. 156-209	Crankless Engines Limited	17.8.1927 - 20.11.1927	sleeve 115	
CE 124	366, 381	2562	Rear Engine Supporting Bolt, Nut for Part No. 124-366	Crankless Engines Limited	19.8.1927 - 5.12.1927	sleeve 115	
CE 156	214, 215	2563	Retaining Plate for Part No. 156-213, Distance Piece for Part No. 156-213	Crankless Engines Limited	22.8.1927 - 20.11.1927	sleeve 115	
CE 148	70, 71, 72	2565	Inlet Valve Location Washer (Male), Inlet Valve Location Washer (Female), Inlet Valve Idler Wheel	Crankless Engines Limited	22.8.1927 - 12.10.1927	sleeve 115	
CE 156	61	2566	Inlet Water Pipe	Crankless Engines Limited	15.8.1927 - 23.8.1927	sleeve 115	
CE 157	73	2568	Inlet Valve Driving Pinion (Alt. Design)	Crankless Engines Limited	23.8.1927 - 12.10.1927	sleeve 115	
CE 157	75, 74	2569	Special Stud for Part No. 157-72, Special Nut for Part No. 157-73	Crankless Engines Limited	23.8.1927 - 12.10.1927	sleeve 115	
CE 156	226	2570	Retaining Plate for Part No. 156-223	Crankless Engines Limited	18.10.1927 - 23.1.1928	sleeve 115	
		2575	Oil Scoop for No. 75 Type Michell Bearing	Crankless Engines Limited	8.9.1927 - 5.12.1927	sleeve 115	
CE 160	1, 2	2576	Slipper Pads (R.H.), Slipper Pads (L.H.)	Crankless Engines Limited	12.9.1927 - 15.9.1927	sleeve 115	
CE 160	4, 3	2577	Collar, Spherical Washer	Crankless Engines Limited	12.9.1927 - 15.9.1927	sleeve 115	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 160	6, 5, 7	2578	Retaining Screws for Part No. 160-1 and 160-2 (Short), Retaining Screws for Part No. 160-1 and 160-2 (Long), Washer for Part No. 160-5 and 160-6	Crankless Engines Limited	12.9.1927 - 15.9.1927	sleeve 115	
CE 162	1	2580	Cylinder Liner	Crankless Engines Limited	19.9.1927 - 5.12.1927	sleeve 115	
CE 162	2	2581	Peripheral Slipper Pad	Crankless Engines Limited	19.9.1927 - 5.12.1927	sleeve 115	
CE 161	9	2584	Rear Cyl. Block	Crankless Engines Limited	20.7.1927 - 21.2.1928	sleeve 115	
CE 161	10	2585	Front Journal Bearing Housing	Crankless Engines Limited	5.10.1927 - 17.12.1927	sleeve 116	
CE 161	14	2586	End Cover	Crankless Engines Limited	19.9.1927 - 30.9.1927	sleeve 116	
CE 161	17	2588	Gland Coverplate	Crankless Engines Limited	21.9.1927 - 3.2.1928	sleeve 116	
CE 163	23, 24, 26	2589	Oil Retaining Plate, Oil Thrower, Main Shaft Cone	Crankless Engines Limited	26.9.1927 - 14.2.1928	sleeve 116	
CE 163	21, 25, 32	2590	Main Bearing Stop Pin, Slant Nut, Aux. Drive Shaft Bush	Crankless Engines Limited	21.9.1927 - 14.2.1928	sleeve 116	
CE 163	20, 22	2591	Front Main Bearing, Rear Main Bearing	Crankless Engines Limited	21.9.1927 - 14.2.1928	sleeve 116	
CE 163	29, 30	2592	Aux. Drive Spiral Wheel, Aux. Drive Spiral Pinion	Crankless Engines Limited	20.9.1927 - 14.2.1928	sleeve 116	
CE 161	2	2593	Slant	Crankless Engines Limited	23.9.1927 - 6.12.1927	sleeve 116	
CE 161	15	2594	Valve Sleeve	Crankless Engines Limited	23.9.1927 - 5.12.1927	sleeve 116	
CE 163	4	2595	Piston	Crankless Engines Limited	24.9.1927 - 14.2.1928	sleeve 116	"Cancelled Vide Drawing No. 2761"
CE 163	41	2596	Balance Valve Body	Crankless Engines Limited	24.9.1927 - 14.2.1928	sleeve 116	
CE 163	5, 6	2597	Peripheral Slipper, Peripheral Slipper Pin	Crankless Engines Limited	29.9.1927 - 6.12.1927	sleeve 116	
CE 163	31	2598	Aux. Drive Shaft	Crankless Engines Limited	26.9.1927 - 14.2.1928	sleeve 116	
CE 163	38, 34	2599	Spiral Pinion Grubscrew, Spiral Pinion Collar	Crankless Engines Limited	26.9.1927 - 14.2.1928	sleeve 116	
CE 161	1	2601	Main Shaft	Crankless Engines Limited	27.9.1927 - 21.2.1928	sleeve 116	
CE 163	2	2602	Slant	Crankless Engines Limited	28.9.1927 - 14.2.1928	sleeve 116	
CE 156	229, 230, 231	2603	Right Angle Union, Holder for Part No. 156-229, Oil Pipe Support Lug	Crankless Engines Limited	28.9.1927 - 20.11.1927	sleeve 116	"Cancelled Vide Drawing No. ..."
CE 156	232, 233, 234	2604	Oil Pipe Support Lug, Screw for Part No. 156-232, Screw for Part No. 156-231	Crankless Engines Limited	29.9.1927 - 20.11.1927	sleeve 117	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 163	43, 44	2607	Flutter Plate, Flutter Plate Thrust Pin	Crankless Engines Limited	29.9.1927 - 14.2.1928	sleeve 117	
CE 163	27, 28, 42, 45	2608	Armature Nut, Armature Bush, Aux. Slant 8 In. Valve Slipper Pads, Nut for Part No. 163-44	Crankless Engines Limited	29.9.1927 - 14.2.1928	sleeve 117	"Cancelled Vide Drawing No. 2691"
CE 161	4, 16	2609	Yoke Guide, Rear Retaining Plate for Part No. 161-4	Crankless Engines Limited	29.9.1927 - 3.2.1928	sleeve 117	
CE 163	13	2610	Cylinder Block Cover	Crankless Engines Limited	29.9.1927 - 14.2.1928	sleeve 117	
CE 161	13, 25	2611	Front Journal Bearing Retainer, Taper Pin for Part No. 161-2	Crankless Engines Limited	29.9.1927 - 1.3.1928	sleeve 117	
CE 161	11, 12	2612	Front Journal Bearing, Rear Journal Bearing	Crankless Engines Limited	30.9.1927 - 1.3.1928	sleeve 117	
CE 156	142, 196	2614	Plug for Part No. 156-123, Oil Jet for Slant	Crankless Engines Limited	30.9.1927 - 20.11.1927	sleeve 117	
CE 163	18	2615	Compressor Base Inspection Cover	Crankless Engines Limited	30.9.1927 - 14.2.1928	sleeve 117	
CE 163	17, 47	2616	Special Nut for Part No. 163-18, Special Stud for Part No. 163-18	Crankless Engines Limited	30.9.1927 - 14.2.1928	sleeve 117	
CE 163	15	2617	Cylinder Head Cover	Crankless Engines Limited	30.9.1927 - 14.2.1928	sleeve 117	
CE 161	3	2619	Piston Yoke	Crankless Engines Limited	3.10.1927 - 27.2.1928	sleeve 117	
CE 161	7, 6, 5	2620	Slipper Cup, Slipper Rod, Slipper	Crankless Engines Limited	3.10.1927 - 1.3.1928	sleeve 117	
CE 161	34, 60	2621	Sleeve for Part No. 161-34	Crankless Engines Limited	3.10.1927 - 27.2.1928	sleeve 117	
CE 161	31	2622	Coupling Spider	Crankless Engines Limited	17.10.1927 - 27.2.1928	sleeve 117	
CE 163	35, 37, 38, 49	2623	Deliver Valve, Delivery Valve Cap, Delivery Valve Buffer, Delivery Valve Cap Gasket	Crankless Engines Limited	3.10.1927 - 14.2.1928	sleeve 118	
CE 161	26	2624	Pipe Flange	Crankless Engines Limited	4.10.1927 - 1.3.1928	sleeve 118	
CE 161	32, 33	2625	Coupling Fabric, Coupling Bolt	Crankless Engines Limited	4.10.1927 - 14.2.1928	sleeve 118	
CE 161	36, 37, 38	2626	Stud for Part No. 161-10:14, Stud for Part No. 161-9, Stud for Part No. 161-17	Crankless Engines Limited	4.10.1927 - 1.3.1928	sleeve 118	
CE 161	27	2627	Deliver Air Vessel	Crankless Engines Limited	5.10.1927 - 27.2.1928	sleeve 118	
CE 161	28, 29, 39	2628	Plug for Part No. 161-10:27, Stud for Part No. 161-27:41, Stud for Part No. 161-30	Crankless Engines Limited	6.10.1927 - 1.3.1928	sleeve 118	
CE 161	22, 40, 35	2629	Nut for Part No. 161-1, Locknut for Part No. 161-1, Driving Pin for Part No. 161-21	Crankless Engines Limited	6.10.1927 - 17.2.1928	sleeve 118	
CE 161	19, 18	2630	Gland, Gland Nut	Crankless Engines	3.10.1927 - 1.3.1928	sleeve 118	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 161	20, 21	2631	Thrust Bearing Pads, Thrust Bearing Washer	Crankless Engines Limited	3.10.1927 - 1.3.1928	sleeve 118	
CE 161	41, 43	2635	Cutout Plunger	Crankless Engines Limited	8.10.1927 - 1.3.1928	sleeve 118	
CE 161	51, 54	2638	Holder for Part No. 161-50, Outlet Valve Union Body	Crankless Engines Limited	10.10.1927 - 1.3.1928	sleeve 118	
CE 161	48, 50	2639	Inlet Valve, Inlet Valve Union Body	Crankless Engines Limited	10.10.1927 - 1.3.1928	sleeve 118	
CE 162	4	2632	Thrust Pads	Crankless Engines Limited	7.10.1927 - 16.2.1928	sleeve 118	
CE 161	23, 24	2633	Cover for Part No. 161-8, Stop Pin for Part No. 161-12:20	Crankless Engines Limited	7.10.1927 - 1.3.1928	sleeve 118	
CE 161	42	2634	Cutout Valve Body	Crankless Engines Limited	8.10.1927 - 1.3.1928	sleeve 118	
CE 161	52, 53, 57	2640	Inlet Valve Spring Cap (Top), Inlet Valve Spring Seat, Inlet Valve Lock Nut	Crankless Engines Limited	11.10.1927 - 1.3.1928	sleeve 118	
CE 161	58, 59, 46, 56	2641	Washer for Part No. 161-46, Nut for Part No. 161-45, Cup Leather, Gland	Crankless Engines Limited	11.10.1927 - 1.3.1928	sleeve 118	
CE 157		2642	Arrangement of Oil Piping	Crankless Engines Limited	12.10.1927	sleeve 119	
CE 157	64	2643	Special Nut for Part No. 157-10	Crankless Engines Limited	12.10.1927	sleeve 119	
CE 161	41	2644	Inlet Air Vessel	Crankless Engines Limited	17.10.1927 - 27.2.1928	sleeve 119	
CE 163	50	2645	Oil Pump Body	Crankless Engines Limited	17.10.1927 - 14.2.1928	sleeve 119	
CE 163	51	2646	Oil Pump Base	Crankless Engines Limited	17.10.1927 - 14.2.1928	sleeve 119	
CE 163	52, 53	2647	Oil Pump Gear Wheel (Driver), Oil Pump Gear Wheel	Crankless Engines Limited	18.10.1927 - 14.2.1928	sleeve 119	
CE 163	54	2648	Oil Pump Strainer	Crankless Engines Limited	18.10.1927 - 14.2.1928	sleeve 119	
CE 156	235	2649	Slipper Cup Shim	Crankless Engines Limited	19.10.1927 - 20.11.1927	sleeve 119	
CE 163		2651	Proposed Mounting of Armature on Compressor Shaft	Crankless Engines Limited	21.10.1927 - 22.12.1927	sleeve 119	"Cancelled Vide Drawing No. 2691"
CE 139	121, 122	2652	Oil Pump Gear (Driver, Oil Pump Gear (Driven)	Crankless Engines Limited	21.10.1927 - 18.11.1927	sleeve 119	
CE 139	125, 126	2653	Water Pump Shaft Cap, Water Pump Shaft Bush	Crankless Engines Limited	21.10.1927 - 17.11.1927	sleeve 119	
CE 124	368	2654	Remy Generator Supporting Bracket	Crankless Engines Limited	21.10.1927 - 5.2.1928	sleeve 119	
CE 162	5, 6	2655	Tappet Roller for Fuel Pump, Pin for Oil Atomiser	Crankless Engines Limited	21.10.1927 - 16.12.1927	sleeve 119	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 162	7, 8	2656	Tappet Spring, Oil Suction Valve Spring	Crankless Engines Limited	21.10.1927 - 14.1.1928	sleeve 119	
CE 124		2657	Arrangement of Over-Running Clutch Fitted to Starting Gear of 15.9 H.P. Petrol Engine	Crankless Engines Limited	24.10.1928 - 8.11.1927	sleeve 119	
CE 139	127	2658	Oil Pump Body	Crankless Engines Limited	24.10.1928 - 17.11.1927	sleeve 120	
CE 139	128	2659	Oil Pump Cover	Crankless Engines Limited	25.10.1928 - 18.11.1927	sleeve 120	
CE 139	129, 123, 124	2660	Water Pump Shaft, Pin for Part No. 139-122, Driving Pin for Part No. 139-121	Crankless Engines Limited	25.10.1928 - 17.11.1927	sleeve 120	
CE 156	153, 154, 159, 161	2661	Oil Pump Setscrew, Cylinder Head Stud, Oil Sump Filter Setscrews, Auxiliary Drive Housing Setscrew	Crankless Engines Limited	10.8.1927 - 5.10.1927	sleeve 120	
CE 156	156, 162, 163, 164	2662	Special Stud for Part No. 156-1:2:38, Setscrew for Part No. 156-56, Dowel Pin for Part No. 156-22:56, Dowel Pin for Part No. 156-1:2:38	Crankless Engines Limited	10.8.1927 - 5.12.1927	sleeve 120	
CE 156	155, 157, 158	2663	Engine Support Bolt, Special Nut for Part No. 156-156, , Special Nut for Part No. 156-155	Crankless Engines Limited	10.8.1927 - 5.12.1927	sleeve 120	
CE 139		2664	Modifications to Oil and Water Pumps	Crankless Engines Limited	25.10.1927 - 3.2.1928	sleeve 120	
CE 156	171, 172, 173, 174	2665	Slipper Cup Bolt, Setscrew for Part No. 156-98, Clutch Plate Bolt, Locking Pin for Part No. 156-30	Crankless Engines Limited	11.8.1927 - 5.12.1927	sleeve 120	
CE 156	165, 166, 169, 170	2666	Valve Rocker Stud, Special Nut for Part No. 156-165 and 156-167, Fan Bracket Setscrew, Nut for Part No. 156-169	Crankless Engines Limited	17.8.1927 - 5.12.1927	sleeve 120	
CE 156	168, 187	2667	Starting Motor Location Screw, Oil Sump Drain Plug	Crankless Engines Limited	16.8.1927 - 5.12.1927	sleeve 120	
CE 156	167, 185, 186	2668	Special Cylinder Head Stud, Stud for Part No. 156-56:123, Stud for Part No. 156-123:139	Crankless Engines Limited	13.8.1927 - 5.12.1927	sleeve 120	
CE 156	175, 176, 177, 144	2669	Exhaust Pipe Setscrews (Short), Exhaust Pipe Setscrews (Long), Setscrew for Part No. 156-55:99, Special Setscrew for Part No. 156-22	Crankless Engines Limited	12.8.1927 - 5.12.1927	sleeve 120	
CE 156	151	2670	Water Pump Inlet Flange	Crankless Engines Limited	27.10.1927 - 26.1.1928	sleeve 120	
CE 156	160	2671	Water Pump Inlet Pipe	Crankless Engines Limited	27.10.1927 - 27.1.1928	sleeve 120	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 156	224, 254, 255	2672	Clutch and Brake Pedal Shaft, Dummy Shaft, Washer for Part No. 156-224	Crankless Engines Limited	25.11.1927 - 5.12.1927	sleeve 120	
CE 163	19	2673	Oil Sump Baffle Plate	Crankless Engines Limited	31.10.1927 - 14.2.1928	sleeve 120	
CE 163	39a, 39b	2674	Inlet Valve Body No. 1, Inlet Valve Body No. 2	Crankless Engines Limited	4.11.1927 - 14.2.1928	sleeve 120	
CE 163	40	2675	Inlet Valve Plug	Crankless Engines Limited	31.10.1927 - 14.2.1928	sleeve 121	
CE 163	11, 36, 48	2676	Slipper Cup Nut, Delivery Valve Spring, Thrust Slipper Cup	Crankless Engines Limited	31.10.1927 - 14.2.1928	sleeve 121	"Cancelled Vide Drawing No. 2765"
CE 156	152	2679	Water Pump Inlet Pipe Flange (Cylinder Block)	Crankless Engines Limited	27.10.1927 - 26.1.1928	sleeve 121	
CE 124	369	2681	Starting Motor Sprocket (Driven)	Crankless Engines Limited	31.10.1927 - 3.2.1928	sleeve 121	
CE 124	370	2692	Over-Running Clutch Member	Crankless Engines Limited	31.10.1927 - 14.12.1927	sleeve 121	
CE 124	371	2683	Roller Bearing Retainer Plate	Crankless Engines Limited	31.10.1927 - 3.2.1928	sleeve 121	
CE 124	373, 378, 379, 380	2684	Clutch Roller, Stop Pin, Bolt for Part No. 124-369:371, Nut for Part No. 124-379	Crankless Engines Limited	31.10.1927 - 3.2.1928	sleeve 121	
CE 163	58, 59	2686	Special Oil Union, Special Oil Union Holder	Crankless Engines Limited	2.11.1927 - 14.2.1928	sleeve 121	
CE 163	60, 70, 71, 72	2693	Oil Pump Deliver Pipe, Oil Pipe to Flutter Plate, Oil Pipe to Rear Bearing, Modified Std. Tail	Crankless Engines Limited	8.2.1928 - 14.2.1928	sleeve 121	
CE 156	238, 239	2699	Exhaust Pipe Clip, Muffler Supporting Bracket	Crankless Engines Limited	9.11.1927 - 10.12.1927	sleeve 121	
CE 164	1	2719	Swivel	Crankless Engines Limited	17.12.1927 - 8.3.1928	sleeve 121	
CE 164	2	2720	Base	Crankless Engines Limited	19.12.1927 - 8.3.1928	sleeve 121	
CE 164		2730	General Arrangement of Grinding Fixture for 153-20	Crankless Engines Limited	16.12.1927 - 5.1.1928	sleeve 121	
CE 156	260	2738	Starting Handle Supporting Bracket	Crankless Engines Limited	21.1.1928 - 3.2.1928	sleeve 122	
CE 156	257, 259, 263	2740	Sump: Scavenge Conn., Cyl. Head Cover Drain Pipe, Yoke Guide Lubrication Pipe	Crankless Engines Limited	26.1.1928	sleeve 122	
CE 156	268, 269, 270, 275, 276	2743	Oil Supply Pipe Housing, Holder for Part No. 156-274, Jet for Part No. 156-269 and 156-270	Crankless Engines Limited	28.1.1928 - 1.2.1928	sleeve 122	
CE 156	277	2745	Main Drive Gear	Crankless Engines Limited	14.1.1928 - 3.2.1928	sleeve 122	
CE 156	118, 119	2746	Engine Support Cleat. (R.H.), Engine Support Cleat (L.H.)	Crankless Engines Limited	6.2.1928 - 11.3.1928	sleeve 122	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 163	73	2750	Supporting Bolt Distance Piece	Crankless Engines Limited	20.10.1927 - 21.2.1928	sleeve 122	
CE 156	278	2755	Piston	Crankless Engines Limited	24.2.1928 - 3.3.1928	sleeve 122	
CE 142	147	2757	Distributor Head	Crankless Engines Limited	27.2.1928	sleeve 122	
CE 156	299	2778	Cowl for Starting Motor	Crankless Engines Limited	14.5.1928 - 22.4.1929	sleeve 122	
CE 156	300	2779	Back Cover for Cowl	Crankless Engines Limited	31.8.1928 - 22.4.1929	sleeve 122	
CE 156	301	2780	Base for Cowl	Crankless Engines Limited	15.5.1928 - 22.4.1929	sleeve 123	
CE 169	6, 7	2785a	Engine Scavenge Pump Distance Piece, Engine Supply Pump Distance Piece	Crankless Engines Limited	17.5.1928 - 2.9.1928	sleeve 123	
CE 170	1	2790	Gland	Crankless Engines Limited	31.8.1928 - 2.9.1928	sleeve 123	
CE 170		2804	Booster Scavenge Pump, Booster Supply Pump	Crankless Engines Limited	15.9.1928 - 21.9.1928	sleeve 123	
CE 170		2805	Breather	Crankless Engines Limited	18.9.1928 - 21.9.1928	sleeve 123	
CE 170		2806	Connecting for Gas Suction to Slant Case	Crankless Engines Limited	18.9.1928 - 21.9.1928	sleeve 123	
CE 170		2809	Alterations to Existing Cover-On Waller Crankless Booster Metrop. Gas Co. Sth. Melb.	Crankless Engines Limited	21.8.1928 - 21.9.1928	sleeve 123	
CE 170	9, 11	2816	Water Tak for Oil Cooler, Pipes for Oil Cooler	Crankless Engines Limited	26.9.1928 - ?	sleeve 123	
CE 170	15	2835	Oil Tank Filter	Crankless Engines Limited	10.10.1928	sleeve 123	
CE 170		2836	Alt. to National Crankless Gas Eng. Sio Metrop. Gas Co. Sth. Melb. Oil Strainer	Crankless Engines Limited	4.10.1928 - 25.10.1928	sleeve 123	
CE 170		2838	Alt. to National Crankless Gas Eng. Sio Metrop. Gas Co. Sth. Melb. Yoke Guides No. 1 and 1a Only.	Crankless Engines Limited	22.10.1928 - 25.10.1928	sleeve 124	
CE 170	21	2839	Alt. to National Crankless Gas Eng. Sio Metrop. Gas Co. Sth. Melb. No. 1 and 1a Yoke Collar for Piston	Crankless Engines Limited	23.10.1928 - 25.10.1928	sleeve 124	
CE 170	22	2840	Alt. to National Crankless Gas Eng. Sio Metrop. Gas Co. Sth. Melb. Balance Weight	Crankless Engines Limited	23.10.1928 - 25.10.1928	sleeve 124	
CE 170	23, 23a	2841	Pinston Rings, Scraper Rings	Crankless Engines Limited	23.10.1928 - 25.10.1928	sleeve 124	
CE 170		2843	Alt. to National Crankless Gas Eng. Sio Metrop. Gas Co. Sth. Melb. Yoke Guides No. 2, 2a, 3, 3a, 4, 4a	Crankless Engines Limited	25.10.1928	sleeve 124	
CE 144	6	2847	Main Shaft - Redesigned	Crankless Engines	9.2.1929	sleeve 124	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 142	155, 156	2849	Distance Piece, Oil Thrower	Crankless Engines Limited	9.2.1929	sleeve 124	
CE 170	25, 27, 28, 26	2850	Aux. Oil Tank, Sight Glass Location Plate, Sight Glass Retaining Plate, Sight Glass	Crankless Engines Limited	3.1.1929 - 27.4.1929	sleeve 124	
CE 171		2851	Michell Thrust Bearing for Messrs Thompson's Engineering and Pipe Co. Ltd. Castlemaine, Victoria.	Crankless Engines Limited	13.12.1928 - 2.1.1929	sleeve 124	
CE 171	1	2852	Slipper Housing	Crankless Engines Limited	17.12.1928 - 2.1.1929	sleeve 124	
CE 171	1	2852	Slipper Housing	Crankless Engines Limited	17.12.1928 - 2.1.1929	sleeve 124	Blueprint copy of previous
CE 171	3	2853	Thrust Collar	Crankless Engines Limited	17.12.1928 - 2.1.1929	sleeve 124	
CE 171	2, 2a	2854	Slipper Pad R.H., Slipper Pad L.H.	Crankless Engines Limited	17.12.1928 - 2.1.1929	sleeve 124	
CE 171	4, 4a	2855	Oil Scoop R.H., Oil Scoop L.H.	Crankless Engines Limited	17.12.1928 - 2.1.1929	sleeve 124	
CE 171	5	2856	Slipper Pad Location Spring	Crankless Engines Limited	17.12.1928 - 2.1.1929	sleeve 125	
CE 170	29	2860	Water Pump Gears	Crankless Engines Limited	23.1.1929 - 22.4.1929	sleeve 125	
CE 170	30	2861	Fixed Spindle	Crankless Engines Limited	23.1.1929 - 22.4.1929	sleeve 125	
CE 170	31	2862	Water Pump Gland	Crankless Engines Limited	29.1.1929 - 22.4.1929	sleeve 125	
CE 170	32, 33	2863	Gland Bush, Cover Bush	Crankless Engines Limited	29.1.1929 - 22.4.1929	sleeve 125	
CE 170		2864	Alterations to Front Cover - Water Pump. See Drwg No. 14212	Crankless Engines Limited	2.2.1929 - 5.4.1929	sleeve 125	
CE 170	34	2865	Pump Adjusting Plate	Crankless Engines Limited	2.2.1929 - 22.4.1929	sleeve 125	
CE 170	35	2866	Helical Gear for Starting Shaft	Crankless Engines Limited	4.4.1929 - 22.4.1929	sleeve 125	
CE 170	36	2867	Helical Gear for Main Shaft	Crankless Engines Limited	3.4.1929 - ?	sleeve 125	
CE 170	38	2868	Piston Location Screw	Crankless Engines Limited	24.4.1929	sleeve 125	
CE 170	37	2869	Booster Piston	Crankless Engines Limited	25.4.1929	sleeve 125	
CE 170		2870	Balance Weight Assembly	Crankless Engines Limited	20.2.1929 - 24.4.1929	sleeve 125	
CE 170	39	2873	Shear Pins for National-Waller Gas Eng. Sio. Sth. Melb. Gas Co.	Crankless Engines Limited	6.4.1929 - 22.4.1929	sleeve 125	
CE 156		2874	Sketch Showing Alterations to Clutch Thrust Bearing	Crankless Engines Limited	16.4.1929 - 2.5.1929	sleeve 125	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 170	41, 42, 43, 44	2876	Balance Weight Cage, Balance Weight, Nuts for 1/2"d Whit. Setscrews, Locking Plate for Setscrews	Crankless Engines Limited	24.4.1929	sleeve 125	
CE 156	315	2878	Grease Shroud for S.K.F. 3/8 No. 3907	Crankless Engines Limited	1.5.1929	sleeve 125	
CE 156	316, 317	2879	Pressure Rings, Scraper Rings	Crankless Engines Limited	3.5.1929	sleeve 125	
CE 156		2697	Arrangement of Exhaust Pipes and Mufflers and Drilling Regd. In Chassis for CE 156	Crankless Engines Limited	8.11.1927 - 10.11.1927	sleeve 126	
CE 156		2713	Alterations to "Oldsmobile" Chassis Cross-Member	Crankless Engines Limited	8.12.1927 - 31.12.1927	sleeve 127	
CE 124		2727	Right Hand Side View of 5 x 2.82 x 3.9 Single-Ended Crankless Motor-Car Engine	Crankless Engines Limited	13.12.1927 - 10.1.1928	sleeve 128	
CE 156	194, 197, 217	2567	Radiator Fan Cowl, Radiator Fan Cowl Cover, Knob for Fan Cowl Cover	Crankless Engines Limited	27.10.1927 - 23.1.1928	sleeve 129	
CE 156	56	2525	Auxiliary Drives Housing	Crankless Engines Limited	18.7.1927 - 20.8.1927	sleeve 130	
CE 100		680	Dimensional Particulars of Floor Pit for Installation of Crankless Gas Engine - Booster Set	Crankless Engines Limited	5.9.1923 - 6.9.1923	sleeve 131	Drawn JWS
CE 101	256	1185	Cylinder Block Casting (Bottom)	Crankless Engines Limited	2.10.1924 - 30.10.1924	sleeve 132	Drawn JWS
CE 101	256	1186	Cylinder Block Casting (Bottom)	Crankless Engines Limited	1.10.1924 - 20.10.1924	sleeve 133	
CE 101	256a	1248	Alternative Design of Bottom Cylinder Block Showing Increased Area of Inlet Passage Leading to Rotary Valve	Crankless Engines Limited		sleeve 134	
			Proposed Extension of Sanitary Accommodation, C.E. (A) Pty. Ltd. 129 Greeves St, Fitzroy. Shop Plan 2			sleeve 135	
CE 156		SK 84	Sketch Showing Alterations to "Oldsmobile" Radiator	Crankless Engines Limited	20.8.1927 - 1.2.1928	sleeve 136	
			Cam Grinding Fixture			sleeve 137	
CE 101	256a	1249	Alternative Design of Bottom Cylinder Block Showing Increased Area of Inlet Passage Leading to Rotary Valve	Crankless Engines Limited		sleeve 138	
CE 101	271	1294	Bedplate for 200,000 cu.ft/hr. Booster	Crankless Engines Limited	11.11.1924 - 20.11.1924	sleeve 139	
CE 101		786	Arrangement of Crankless Oil Pumps. Gas Engine - Booster Units	Crankless Engines (Aus) Pty Ltd	19.10.1923 - 27.11.1923	sleeve 140	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	76	641	Bedplate for Gas Engine - Booster Set	Crankless Engines (Aus) Pty Ltd	16.8.1923 - 17.8.1923	sleeve 141	Drawn JWS
CE 130		1370	G. A. of 5 H.P. Gas Engine Starting Unit	Crankless Engines Limited	27.11.1924 - 9.12.1924	sleeve 142	Drawn PEI
CE 127		1123	Arrangement of Exhaust and Water Piping on 100 H.P. Gas Engine	Crankless Engines Limited	28.10.1924 - 11.11.1924	sleeve 143	
		MC / RIO / 6	Lurgi Gate	University of Melbourne		sleeve 144	
			Cam Grinding Spindle			sleeve 145	
			Angle Plate			sleeve 146	
		SK 82	Proposed Design of Michell Thrust Bearing for Messrs Wemouths Ltd.	Crankless Engines Limited	1.9.1927	sleeve 147	
		10 F	Fixture for Machining Slant	Crankless Engines (Aus) Pty Ltd	17.7.1923 - 28.7.1923	sleeve 148	
CE 170		SK 88	Sketch Showing Contact Blocks for Coupling National Waller Crankless Set	Crankless Engines Limited	3.9.1928 - 21.9.1928	sleeve 149	
CE 127	15, 30	1093	Cylinder Head, Core Hole Plug	Crankless Engines Limited	1.9.1924 - 8.9.1924	sleeve 150	Drawn JWS
CE 127	37	1096	Cylinder Block Casting (Top)	Crankless Engines Limited	5.9.1923 - 15.9.1924	sleeve 151	
CE 127	37	1097	Cylinder Block Casting (Top)	Crankless Engines Limited	5.9.1923 - 15.9.1924	sleeve 152	
CE 127	38	1109	Cylinder Block Casting (Bottom)	Crankless Engines Limited	15.9.1924 - 22.9.1924	sleeve 153	
CE 127	38	1110	Cylinder Block Casting (Bottom)	Crankless Engines Limited	16.9.1924 - 22.9.1924	sleeve 154	
CE 127	56, 188	1244	Oil Sump for 100 H.P. Gas Engine, Core Hole Cover Plate	Crankless Engines Limited	28.10.1924 - 11.11.1924	sleeve 155	
CE 127	94, 95, 96	1207	Camshaft (Lower Half), R.H. Camshaft (Upper Half), L.H. Camshaft (Upper Half)	Crankless Engines Limited	30.9.1924 - 10.10.1924	sleeve 156	
CE 127	181, 182, 183, 184, 185, 186	1242	Thrust Bearing Oil Connection, Rear Bearing Oil Connection, Front Slant Jet Oil Connection, Front Main Bearing Oil Connection, Rear Slant Jet Oil Connection, Rear Main Bearing Oil Connection	Crankless Engines Limited	10.10.1924 - 21.10.1924	sleeve 157	
CE 127	194	1264	Bedplate for 100 H.P. Gas Engine	Crankless Engines Limited	7.11.1924 - 20.11.1924	sleeve 158	
CE 124	374, 375, 376, 377	2678	Cover for Part No. 124-71, Nut for Part No. 124-134, Washer Holding Simms Coupling, Distance Piece on Generator Shaft	Crankless Engines Limited	25.10.1927 - 14.12.1927	sleeve 159	
CE 124	21	1490	Cylinder Head	Crankless Engines Limited	16.1.1925 - 20.5.1925	sleeve 160	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 124	23	1492	Cylinder Block	Crankless Engines Limited	13.2.1925 - 20.6.1925	sleeve 161	
CE 124	71	1568	Slantcase	Crankless Engines Limited	2.4.1925 - 20.6.1925	sleeve 162	
CE 124	108	1570	Oil Sump	Crankless Engines Limited	3.4.1925 - 20.5.1925	sleeve 163	
CE 124	165	1614	Gear Box Casting	Crankless Engines Limited	22.5.1925 - 10.8.1925	sleeve 164	
CE 128		1420	Longitudinal Section General Arrangement of 8 x 5 1/8 x 5 1/8 Crankless Gas Engine	Crankless Engines Limited	7.1.1925 - 12.1.1925	sleeve 165	Drawn and Traced PEI
CE 128	14	1266	Bedplate for 70 H.P. Gas Engine	Crankless Engines Limited	8.11.1924 - 20.11.1924	sleeve 166	
CE 128	15	1925	Oil Sump for 70 H.P Gas Engine	Crankless Engines Limited	14.11.1924 - 20.11.1924	sleeve 167	
CE 128	37	1289	Cylinder Block Casting (Top)	Crankless Engines Limited	16.11.1924 - 6.1.1925	sleeve 168	
CE 128	37	1290	Cylinder Block Casting (Top)	Crankless Engines Limited	20.11.1924 - 6.1.1925	sleeve 169	
CE 128	38	1291	Bottom Cylinder Block	Crankless Engines Limited	29.11.1924 - 6.1.1925	sleeve 170	Drawn and Traced PEI
CE 128	38	1292	Bottom Cylinder Block	Crankless Engines Limited	27.11.1924 - 6.1.1925	sleeve 171	Drawn and Traced PEI
						sleeve 172	
CE 157		2341	General Arrangement of Direct Coupled Two Cylinder Single Ended Air Cooled Crankless Air Compressor	Crankless Engines Limited	12.10.1927	sleeve 173	
CE 157		2342	General Arrangement of Direct Coupled Two Cylinder Single Ended Air Cooled Crankless Air Compressor	Crankless Engines Limited	1.8.1927 - 12.10.1927	sleeve 174	
CE 157	40	2368	Compression Base	Crankless Engines Limited	10.3.1927 - 20.5.1927	sleeve 175	
CE 157	39	2343	Cylinder Block	Crankless Engines Limited	2.3.1927 - 26.4.1927	sleeve 175	
						sleeve 176	
	1, 2, 3, 4	MC / T / 1	Tensile Specimen Holders for 10 Ton Amsler and 2500lb. Dennison	University of Melbourne		sleeve 177	Drawn and traced RWGM
			Proposed Method of Scraping Oil from Yokes of Tubular Construction		31.1.1925 - 2.2.1925	sleeve 178	
			Experimental Face Cam			sleeve 178	
CE 140	68	1823	Engine Cylinder Head	Crankless Engines Limited	17.10.1925 - 20.10.1925	sleeve 179	Drawn and Traced PEI
CE 140	22	1773	Compressor Cylinder Block	Crankless Engines Limited	29.9.1925 - 3.10.1925	sleeve 179	Drawn PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 140	21	1772	Engine Cylinder Block and Shaft Case	Crankless Engines Limited	2.10.1925 - 13.10.1925	sleeve 180	Drawn PEI
CE 140	21	1771	Engine Cylinder Block and Slant Case	Crankless Engines Limited	1.10.1925 - 3.10.1925	sleeve 180	Drawn PEI
CE 140		1770a	Installation Diagram of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	29.10.1925 - 31.10.1925	sleeve 181	
CE 140		1770	Installation Diagram of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	27.10.1925 - 31.10.1925	sleeve 181	
CE 142		1907	End View - Engine End Combined Crankless Gas Engine - Booster Unit	Crankless Engines Limited	14.12.1925 - 16.12.1925	sleeve 182	
CE 142	40, 40a	1904	Slant Case (Top Casting), Slant Case (Bottom Casting)	Crankless Engines Limited	19.10.1925 - 30.11.1925	sleeve 182	Drawn JWS
CE 142	27	1884	Booster Cylinder Block	Crankless Engines Limited	10.11.1925 - 11.11.1925	sleeve 183	Drawn JWS
CE 142		1881	Complete Reciprocating Piston-Yoke Unit for Combined Crankless Gas Engine - Booster Unit	Crankless Engines Limited	9.11.1925 - 10.11.1925	sleeve 183	
CE 142	43, 43a	1915	Engine Cylinder, Engine Cylinder	Crankless Engines Limited	23.11.1925 - 25.11.1925	sleeve 184	
CE 153		2330	Slantcase	Crankless Engines Limited	8.3.1927 - 21.3.1927	sleeve 185	
CE 155		2310	Special Milling Jig for Sleeve Valves	Crankless Engines Limited	17.2.1927 - 23.2.1927	sleeve 186	
CE 154		2264	Sectional Arrangement of Hydraulic Pumping Set for Melbourne City Council	Crankless Engines Limited	10.1.1927 - 11.1.1927	sleeve 187	
CE 154		2263	External Arrangement of Hydraulic Pumping Set for Melbourne City Council	Crankless Engines Limited	11.1.1927	sleeve 188	
CE 143	25	1993	Nosepiece	Crankless Engines Limited	2.12.1925 - 11.1.1926	sleeve 189	
CE 144	48	2050	Bedplate	Crankless Engines Limited	22.1.1926 - 4.2.1926	sleeve 190	
CE 148		2254	General Arrangement of Direct Coupled Two Cylinder Single Ended Air Cooled Crankless Air Brake Compressor	Crankless Engines Limited	30.7.1926 - 9.12.1926	sleeve 191	
CE 148		2253	General Arrangement of Direct Coupled Two Cylinder Single Ended Air Cooled Crankless Air Brake Compressor	Crankless Engines Limited	7.12.1926 - 9.12.1926	sleeve 191	
CE 140		1769	Sectional Views of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	7.10.1925 - 13.10.1925	sleeve 192	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 144		2858	Proposed Alterations to Starting Engine and Auxiliary Drives of Crankless Gas Engine - Booster Set at Colonial Gas Association Works, Footscray	Crankless Engines Limited	10.1.1929	sleeve 193	
		997	5 Cyl. Sleeve Valve Crankless Petrol Engine with Guided Piston Yokes	Crankless Engines (Aus) Pty Ltd	23.5.1925	sleeve 194	Drawn JWS
		1529	Installation of 15.9 Crankless Petrol Engine in Austin "12" Chassis	Crankless Engines Limited	28.4.1924 - 2.5.1925	sleeve 195	Drawn and Traced PEI
CE 124			General Arrangement of Single Ended 5 x 2.82 x 3.9 Crankless Motor Car Engine Clutch - Gearbox Unit	Crankless Engines Limited	27.3.1927 - 11.4.1927	sleeve 196	
CE 156		2572	Cross-Sectional Arrangement 15.9 H.P. R.A.C. Watercooled Crankless Motor Car Engine	Crankless Engines Limited	25.8.1927 - 9.9.1927	sleeve 197	
CE 156	22	2444	Cylinder Block	Crankless Engines Limited	15.6.1927 - 8.8.1927	sleeve 197	
		595	7 1/4" Michell Marine Thrust Bearing	Crankless Engines (Aus) Pty Ltd	10.7.1923	sleeve 198	
		2600	General Arrangement 3 x 54m/m x 50m/m Sleeve Valve Air Cooled Crankless Motor Cyle Engine	Crankless Engines Limited	19.9.1927 - ?.11.1927	sleeve 199	
CE 156	20	2442	Cylinder Head	Crankless Engines Limited	19.5.1927 - 29.7.1927	sleeve 200	
CE 17		493	8 Cylinder - 3.312" Bore x 3.51" Stroke Crankless Petrol Engine	Crankless Engines (Aus) Pty Ltd		sleeve 201	
CE 17 and 21	16, 17, 18	404	Valve, Valve Bush, Valve Split-Collar	Crankless Engines (Aus) Pty Ltd	15.9.1922 - 26.9.1922	sleeve 202	
CE 17 and 21	119, 120	436	Rear Oil - Retaining Plate, Front Oil - Retaining Plate	Crankless Engines (Aus) Pty Ltd	6.4.1923 - 11.4.1923	sleeve 202	Drawn and Traced PEI
CE 17 and 21	147, 148	445	Water Inlet Pipe, Water Pipe - Pump Flange	Crankless Engines (Aus) Pty Ltd	24.11.1922	sleeve 202	Drawn and Traced PEI
CE 17 and 21	99	426	Cover Plate	Crankless Engines (Aus) Pty Ltd	1.11.1922 - 6.11.1922	sleeve 202	Drawn TLS, Traced PEI
CE 17 and 21	72, 81	421	Circulating Pump Cover, Circulating Pump Rotor	Crankless Engines (Aus) Pty Ltd	26.10.1922 - 31.10.1922	sleeve 203	Traced PEI
CE 17 and 21	73, 74, 75, 76, 77	422	Circulating Pump Driving Shaft and Key, C.P. Upper Bush, C.P. Lower Bush, C.P. Gland	Crankless Engines (Aus) Pty Ltd	10.11.1922 - 15.11.1922	sleeve 203	Traced PEI
CE 17	91, 93, 94, 95, 96, 97, 98	428	Pressure Pump Body, Pressure Pump Driving Shaft, Pressure Pump Idler Shaft, Gear Wheel, Driving Shaft Bush (Flanged), Idler Shaft Body Bush, Pressure Pump Bushes (Plain)	Crankless Engines (Aus) Pty Ltd	1.11.1922 - 6.11.1922	sleeve 204	Traced PEI

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 17	50, 51, 52, 53	432	Thrust Ring, Thrust Bearing Slipper Block, Thrust Ring Studs, Slipper Block Pins	Crankless Engines (Aus) Pty Ltd	3.11.1922	sleeve 204	Drawn TLS, Traced PEI
CE 17 and 21	61, 62, 63, 64	417	Rocker Standard, Rocker Standard Set-Screw, Rocker Standard Pin, Rocker Standard Studs	Crankless Engines (Aus) Pty Ltd	18.10.1922 - 18.10.1922	sleeve 205	Drawn TLS
CE 17 and 21	71	420	Circulating Pump Casing	Crankless Engines (Aus) Pty Ltd	21.10.1922 - 25.10.1922	sleeve 205	
CE 17 and 21	38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48	416	Scavenge Pump Filter, Scavenge Pump Bush (Plain), Scavenge Pump Bush (Flanged), Scavenge Pump Driving Shaft, Scavenge Pump Gearwheels, Scavenge Pump Idler Shaft, Scavenge Pump Cover Bolt, Scavenge Pump Cover Studs, Slant-Case Studs, Scavenge Pump Body Bolts	Crankless Engines (Aus) Pty Ltd	12.10.1922 - 18.10.1922	sleeve 205	
CE 17 and 21	19, 20, 21, 56, 57, 59, 60, 58	415	Spring Seat, Valve Spring Cap, Valve Cap, Rocker, Rocker Bush, Cam Roller Pin, Rocker Rods, Cam Roller	Crankless Engines (Aus) Pty Ltd	15.9.1922 - 18.10.1922	sleeve 205	Drawn TLS
CE 17 and 21	37, 36	413	Scavenge Pump Cover, Scavenge Pump Body	Crankless Engines (Aus) Pty Ltd	12.10.1922 - 14.10.1922	sleeve 206	
CE 17	23, 24, 25, 26, 27	405	Driving Bevel Wheel, Driven Bevel Wheel, Pinion and Shaft, Hexagonal Nut, Woodruff Key	Crankless Engines (Aus) Pty Ltd	25.9.1922 - 25.9.1922	sleeve 207	
CE 17 and 21	28	406	Idler Gear Wheel	Crankless Engines (Aus) Pty Ltd	4.10.1922 - 5.10.1922	sleeve 208	Drawn TLS
CE 17 and 21	29, 30, 31	407	Idler Wheel Pin, Idler Wheel Pin Bolt, Idler Gear Wheel Thrust Washer	Crankless Engines (Aus) Pty Ltd	4.10.1922 - 5.10.1922	sleeve 208	Drawn TLS
CE 17	1	401	Front Cylinder Block	Crankless Engines (Aus) Pty Ltd	5.9.1922 - 20.9.1922	sleeve 209	
CE 17 and 21	1	402	Front Cylinder Block	Crankless Engines (Aus) Pty Ltd	5.9.1922 - 20.9.1922	sleeve 210	
CE 17	2	408	Rear Cylinder Block and Slant-Case	Crankless Engines (Aus) Pty Ltd	28.9.1922 - 6.10.1922	sleeve 211	Drawn TLS
CE 17 - 3	409, 409a		Cylinder Head			sleeve 212	
CE 17	126, 127, 128, 129, 130, 131	439	Exhaust Manifold (Top), Exhaust Manifold (Bottom Front), Exhaust Manifold (Bottom Rear), Exhaust Manifold Studs, Exhaust Manifold Gland Studs, Exhaust Manifold Stud Nuts	Crankless Engines (Aus) Pty Ltd	16.11.1922 - 20.11.1922	sleeve 213	
		903	General Arrangement of Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	5.3.1924 - 6.3.1924	sleeve 214	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		2875	Alt. to Oil Pipe System on National-Waller Crankless Gas Engine and Booster at Sth. Melb.	Crankless Engines Limited	22.4.1929 - 23.4.1929	sleeve 215	
		2733	Layout of 5 Cyl. Single Ended Direct Coupled Crankless Automatic Water Pump	Crankless Engines Limited	6.1.1928	sleeve 216	
		2426	Face Cam Grinding Fixture	Crankless Engines Limited	18.5.1927 - 23.8.1927	sleeve 217	Drawn TLS
		2252	Layout of Portable Direct - Coupled Motor - Driven Crankless Pumping Set	Crankless Engines Limited	20.11.1926 - 23.11.1926	sleeve 218	
		1906	Longitudinal General Arrangement Combined Crankless Gas Engine - Booster - Unit	Crankless Engines Limited	18.10.1925 - 28.11.1925	sleeve 219	Drawn JWS
		1768	Compressor End View. End Views of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	13.10.1925 - 20.10.1925	sleeve 220	
		1767	Longitudinal General Arrangement of Combined Crankless Two-Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	28.9.1925 - 5.10.1925	sleeve 220	
		1759	General Arrangement of 6 Cyl 2 Stage Crankless Air Compressor	Crankless Engines Limited	11.9.1925 - 18.11.1927	sleeve 221	
CE 139	22, 23	1743	Cylinder Block Top Casting, Cylinder Block Bottom Casting	Crankless Engines Limited	18.8.1925 - 14.9.1925	sleeve 222	
CE 139	27	1739	Low Pressure Cylinder Head	Crankless Engines Limited	25.8.1925 - 14.9.1925	sleeve 222	
		1736	Outline Arrangement of 20,000 C.F.T. Per Hour Crankless Gas Engine - Booster Set	Crankless Engines Limited	8.9.1925 - 11.9.1925	sleeve 223	
		1657	Outline Arrangement of 3 Cylinder Two-Stroke Crankless Gas Engine	Crankless Engines Limited	24.7.1925	sleeve 224	
		1649	General Arrangement - Side Elevation of Proposed 55 - 65 H.P. Crankless Aeroplane Engine with Radiator	Crankless Engines Limited	9.7.1925 - 24.7.1925	sleeve 225	
		1648	Outline Arrangement of Crankless Booster Set	Crankless Engines Limited	13.7.1925 - 24.7.1925	sleeve 226	
		1635	General Arrangement of Crankless Air Brake Compressor	Crankless Engines Limited	1.7.1925 - 24.7.1925	sleeve 227	
		1537	Longitudinal Section Outline General Arrangement of Combined Two-Stroke Crankless Petrol Engine - Air Compressor Unit	Crankless Engines Limited	30.4.1924 - 6.5.1925	sleeve 228	
		1498	Proposed Design of Double Ended - Single Acting Crankless Gas Compressor	Crankless Engines (Aus) Pty Ltd	4.3.1925 - 9.3.1925	sleeve 229	

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C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		1497	Proposed Design of Double Ended - Single Acting Crankless Gas Compressor	Crankless Engines Limited	2.3.1925 - 9.3.1925	sleeve 229	Drawn TLS
		1455	Preliminary General Arrangement of 150 H.P. Crankless Gas Engine with Bedplate and Auxiliaries	Crankless Engines Limited	14.2.1925 - 17.2.1925	sleeve 230	Drawn TLS
		1452	G. A. of Pumping Plant for Baragunda Water Supply	Crankless Engines Limited	5.2.1925 - 6.2.1925	sleeve 231	
		1391	Installation Drawing of Crankless Gas Engine - Booster Set	Crankless Engines Limited	8.12.1924 - 6.1.1925	sleeve 232	
		973	External General Arrangement of Single Ended Single-Stage Crankless Air Compressor - Water Cooled	Crankless Engines Limited	15.4.1924 - 25.4.1924	sleeve 233	Traced PEI
		962	Vertical Crankless Gas Engine - Booster Unit	Crankless Engines (Aus) Pty Ltd	22.3.1924 - 11.4.1924	sleeve 234	Drawn JWS
			Camshaft Timing T1 Engine R.H. Camshaft No. 2 and 3			sleeve 235	
		944	3 x 3 1/2 x 3 3/4 Crankless Air Compressor	Crankless Engines (Aus) Pty Ltd	13.5.1924 - 14.5.1924	sleeve 236	
		MC / RIO / 73	Lurgi Gas Research Plant Pouch Valve Alteration	Melbourne University	29.6.1951	sleeve 237	
			Test Curve of 7 H.P. Weymouth No. 461. Technical Particulars	Crankless Engines Limited	24.1.1927	sleeve 238	
			Graph Showing Approx. Engine Revolutions at Various Road Speeds and Gear Ratios. Diag. of Driving Wheels - 26 inches		4.2.1927	sleeve 238	
Machine no. 42			Indicator Cards Observed at No Load and Maximum Obtainable Load		2.7.1926 - 7.7.1926	sleeve 239	
Machine no. 42			Indicator Cards Observed at No Load and Maximum Obtainable Load		11.6.1926 - 15.6.1926	sleeve 239	
CE 115		734	Gear Box Dynamometer	Crankless Engines (Aus) Pty Ltd	24.9.1923 - 9.10.1923	sleeve 240	Drawn JWS
		689	Arrangement of Gasometer for Pressure Control of Crankless Gas Booster	Crankless Engines (Aus) Pty Ltd	3.9.1923 - 6.9.1923	sleeve 241	Drawn JWS
		681	Crankless Compressor - Motor Unit	Crankless Engines (Aus) Pty Ltd	8.9.1923 - 10.9.1923	sleeve 242	Drawn JWS
		634	Arrangement of Gas Engine - Booster Sets for the Australian Gas Light Co., Sydney	Crankless Engines (Aus) Pty Ltd	7.8.1923 - 9.8.1923	sleeve 243	Drawn JWS
		609	Preliminary Transverse Arrangement of 8 x 4 3/4 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	24.7.1923 - 30.7.1923	sleeve 244	
			Filing Rack for Problem Sheets		10.12.1959	sleeve 245	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
			Decimal Equivalents			sleeve 246	
			Woodruff Standard Keys			sleeve 246	
CE 100	1	479	Cylinder Block Casting (Top)	Crankless Engines (Aus) Pty Ltd	2.5.1922 - 10.5.1923	sleeve 247	
CE 100	1	480	Cylinder Block Casting (Top)	Crankless Engines (Aus) Pty Ltd	2.5.1922 - 10.5.1923	sleeve 247	
			(This is where the scraps were found)				
			General Arrangement of 7" Double Thrust Michell ?			sleeve 248	
			Motor Cycle Gear Ration Table. Approx. Engine Revolutions at Different Speeds			sleeve 249	
CE 118	23, 24, 25, 26, 27, 28		Standard Flanges for Copper Pipe	Crankless Engines Limited	10.2.1927	sleeve 250	
CE 118	96, 97, 98, 99, 100, 101, 102, 103, 104		Standard External Jets	Crankless Engines Limited	10.2.1927	sleeve 250	
CE 118			Standard Single Holders for Right Angle Unions	Crankless Engines Limited	10.2.1927	sleeve 250	
CE 118	71, 72, 73, 74, 75		Standard Right Angle Union Body - Single Type	Crankless Engines Limited	10.2.1927	sleeve 250	
CE 118	81, 82, 83, 84, 85		Standard Right Angle Union Body - Side Branch Type	Crankless Engines Limited	10.2.1927	sleeve 251	
CE 118	91, 92, 93, 94, 95		Standard Right Angle Union Body - Cruciform Type	Crankless Engines Limited	10.2.1927	sleeve 251	
CE 118	86, 87, 88, 89, 90		Standard Right Angle Union Body - Three Way Type	Crankless Engines Limited	10.2.1927	sleeve 251	
CE 118	76, 77, 78, 79, 80		Standard Right Angle Union Body - Through Type	Crankless Engines Limited	10.2.1927	sleeve 251	
CE 118	105, 106, 107, 109, 110, 111, 112, 113, 114		Standard Internal Jets	Crankless Engines Limited	10.2.1927	sleeve 252	
CE 118			Lock Up Safety Valve	Crankless Engines Limited	15.11.1927 - 12.12.1927	sleeve 252	
			Instructions for Operation of 70 H.P. - 8 Cylinder - Crankless Gas Engine - Booster Set	Crankless Engines Limited	21.9.1925	sleeve 253	
		L1287	View Showing Cam Shaft Drive from Main Shaft for 8 x 70 x 97.5 Crankless Petrol Engine	Crankless Engines Limited		sleeve 254	Blueprint
		12659	Proposed 800 B.H.P. Crankless Two Stroke Diesel Engine			sleeve 255	Blueprint
			"Pilgrim" Sight Feed Mechanical Pump	Crankless Engines Limited	12.3.1927	sleeve 256	
			View of Generator Flange Delco Type No. 327 - 18774		17.5.1927	sleeve 256	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 118			Standard Double Holders for Right Angle Unions	Crankless Engines Limited	10.2.1927	sleeve 257	
			Fig. 13			sleeve 258	
CE 100?	1?					sleeve 259	
		SK 26	Oil Pressure			sleeve 260	
Job No. 7			Cast Iron Bedplate and Spacing Blocks	Crankless Engines (Aus) Pty Ltd	26.1.1921	sleeve 261	
			Conversion Table of Units of Pressure			sleeve 262	
			Standard Carburettor Flanges	Crankless Engines Limited		sleeve 263	
CE 118	115, 116, 117, 118, 119, 120, 121, 122, 108		Standard Screwed Jet	Crankless Engines Limited		sleeve 263	
			Delco Generator Type 327 18774		17.5.1927	sleeve 264	
			Rotherham Standard, Regulated Feed Grease Cups		31.5.1926 - 2.6.1926	sleeve 265	
			Rotherham Standard Grease Cups		1.7.1926 - 6.7.1926	sleeve 265	
			British Provisional 9231/'26	Crankless Engines Limited	28.9.1926	sleeve 266	
			Rotherham Standard - Spring Grease Cups		29.6.1926 - 6.7.1926	sleeve 267	
			A.M.A.C. Carburettor for 500 c.c. Single Cylinder Engine	Crankless Engines Limited	19.3.1927	sleeve 268	
			Mild Steel Hexagon Bars Available from Stock			sleeve 269	
		4009.01	Gear for Friction Experiments.	A. G. M. Michell, 4 Bank Place, Melbourne, C1, Australia	19.9.1940	sleeve 270	Blueprint
		4009.02	Gear for Friction Experiments.	A. G. M. Michell, 4 Bank Place, Melbourne, C1, Australia	19.9.1940	sleeve 270	Blueprint
		4009.03	Gear for Friction Experiments.	A. G. M. Michell, 4 Bank Place, Melbourne, C1, Australia	19.9.1940	sleeve 270	
		L?	General Arrangement of 8 x 70 x 97.5 Crankless Petrol Engine	Crankless Engines Limited		sleeve 271	Blueprint
				Crankless Engines Limited	20.10.1926	sleeve 272	
			Fluid Transmission Gear, Motor Unit. Patented in Gt. Britain, No. 118098		15.10.1929	sleeve 273	Blueprint
		101	Fluid Transmission Gear, Variable Delivery Pump, Patented in Gt. Britain, No. 118098	Crankless Engines (Aus) Pty Ltd	15.10.1929	sleeve 273	Blueprint

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
			Starting Accumulator for Bearings			sleeve 274	
			Rotherham Standard Unions		1.7.1926 - 6.7.1926	sleeve 275	
						sleeve 275	
					2.4.1925	sleeve 276	Drawn JWS
		SK 49	Bracket for Belt Drive for Gas Booster	Crankless Engines Limited	2.5.1925	sleeve 277	
Job No. 44		SK 30	Experimental C.I. Slant			sleeve 278	
		Sketch No. 33	Longitudinal Section of Crankless Gas Booster			sleeve 279	Blueprint
			Starting Accumulator for Bearings			sleeve 280	
			Starting Accumulator for Bearings			sleeve 280	
		L 1270	General Arrangement of Cross Section (Through Slant Case), 8 x 70 x 97.5 Crankless Petrol Engine	Crankless Engines Limited		sleeve 281	Blueprint
		L 1271	Layout of Valve Operating Mechanism for 8 x 70 x 97.5 Crankless Petrol Engine	Crankless Engines Limited		sleeve 281	Blueprint
		L 1272	Views Showing Exhaust and Induction Systems for 8 x 70 x 97.5 Crankless Petrol Engine	Crankless Engines Limited		sleeve 281	Blueprint
CE 124	64 (1559)	SK No. 53	Forging for Slant	Crankless Engines Limited	10.6.1925 - 11.6.1925	sleeve 282	
		SK 48	Half Plan of Bedplate, Sketch Showing Leading Dimensions for 70 H.P. Gas Engine Booster Set, Australian Gaslight Co., Sydney	Crankless Engines Limited	17.4.1925	sleeve 283	
		SK 86	Michell Double Thrust Bearing	Crankless Engines Limited	16.12.1927	sleeve 284	
			Rotherham Standard, Regulated Feed Grease Cups		29.6.1926 - 6.7.1929	sleeve 285	
CE 101	165, 165a, 168	802	Slipper Pad (R.H.), Slipper Pad (L.H.), Slipper Tail	Crankless Engines (Aus) Pty Ltd	1.6.1923 - 13.11.1923	sleeve 286	
CE 24	21	821	Shaft Coupling	Crankless Engines (Aus) Pty Ltd	19.12.1923 - 2.1.1924	sleeve 286	
CE 101	24, 25, 26	818	Modification of Drilling of Valve Seat Faces on Parts No. 24, 25, 26	Crankless Engines (Aus) Pty Ltd	7.12.1923 - 11.12.1923	sleeve 286	
CE 100	210	816	Exhaust Pipe Flange	Crankless Engines (Aus) Pty Ltd	4.12.1923 - 6.12.1923	sleeve 286	
CE 117	13	813	Governor Spring	Crankless Engines (Aus) Pty Ltd	29.11.1923 - 30.11.1923	sleeve 287	Drawn PEI
CE 21	54, 55	811	Slipper (L.H.). Slipper Tail	Crankless Engines (Aus) Pty Ltd	26.11.1923 - 29.11.1923	sleeve 287	Drawn and Traced PEI
CE 100	207	810	Sketch Showing Drilling for Ripault Compression Cock	Crankless Engines (Aus) Pty Ltd	27.11.1923	sleeve 287	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	167, 166	808	Outer Bearing Adjust. Shim, Main Bearing Adjust. Shim	Crankless Engines (Aus) Pty Ltd	19.11.1923 - 20.11.1923	sleeve 287	
CE 100	204, 205, 206, 211	807	Rear Outer Bearing Adj. Shim, Rear Main Bearing Adj. Shim, Front Bearing Adj. Shim, Front Outer Bearing Adj. Shim	Crankless Engines (Aus) Pty Ltd	10.12.1923	sleeve 288	
		803	100 lb. Release Valve	Crankless Engines (Aus) Pty Ltd	14.11.1923 - 15.11.1923	sleeve 288	
CE 153			Rear Stays	Crankless Engines Limited		sleeve 288	
CE 170	14, 12, 13	2817	Special Union Body, Nut for Part No. 170-11, Nipple for Part No. 170-11	Crankless Engines Limited	28.9.1928 - 1.11.1928	sleeve 289	
CE 170	8	2815	Special Right Angle Union Body	Crankless Engines Limited	25.9.1928 - 1.11.1928	sleeve 289	
CE 170	6, 7	2814	Special Setscrew Washer for Part No. 170-6	Crankless Engines Limited	25.9.1928 - 1.11.1928	sleeve 289	
CE 170	5	2813	Bottom Cover for Cooler	Crankless Engines Limited	24.9.1928 - 1.11.1928	sleeve 289	
CE 170	3	2812	Top Cover for Cooler	Crankless Engines Limited	24.9.1928 - 1.11.1928	sleeve 290	
CE 170	4	2811	Guide Plate for Copper Tubes	Crankless Engines Limited	24.9.1928 - 1.11.1928	sleeve 290	
CE 170		2810	Gland for Gland Box Alt. Made to National Crankless Gas Eng. Sio. Metrop. Gas Co. Sth. Melb	Crankless Engines Limited	21.9.1928 - 25.9.1928	sleeve 290	
CE 170		2808	Bolts for Camshaft Housing	Crankless Engines Limited	21.9.1928	sleeve 290	
CE 170		2807	Alterations to Yoke Scraper Rings on Waller Crankless Booster Metrop. Gas Co. Sth. Melb.	Crankless Engines Limited	20.9.1928 - 21.9.1928	sleeve 291	
CE 170		2803	Alterations to Existing Piston Connection on Waller Booster Set. Met. Gas Co. Sth. Melb.	Crankless Engines Limited	13.9.1928 - 21.9.1928	sleeve 291	
CE 170		2802	Alterations to Yoke Guide on Waller Crankless Booster. Metrop. Gas Co. Sth. Melb.	Crankless Engines Limited	13.9.1928 - 21.9.1928	sleeve 291	
CE 170		2801	Alterations to Existing Yokes on Waller Booster Set. Sth. Melb. Slipper Cup Location Pin	Crankless Engines Limited	13.9.1928 - 21.9.1928	sleeve 291	
CE 156	86	2800	Distributor Base	Crankless Engines Limited	30.8.1928 - 22.4.1928	sleeve 292	
CE 162		2796	Piston	Crankless Engines Limited	14.6.1928 - 22.4.1928	sleeve 293	
CE 162	1	2795	Alterations to Cyl. Liner	Crankless Engines Limited	11.6.1928 - 22.4.1929	sleeve 293	
CE 162	13	2794	Fuel Pump Lunger Liner	Crankless Engines Limited	14.6.1928	sleeve 293	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 169	12, 2	2788	Press Pump Studs, Scav. Pump Studs	Crankless Engines Limited	18.5.1928 - 21.9.1928	sleeve 294	
CE 169	8, 9, 10	2787	Scavenge Pump Driving Spindle, Steady Pins (Press), Steady Pins (Scav.)	Crankless Engines Limited	18.5.1928 - 21.9.1928	sleeve 294	
CE 169	5, 11	2784	Idler Spindle (H.P. and L.P.), Idler Spindle (Scavenge)	Crankless Engines Limited	17.5.1928 - 21.9.1928	sleeve 294	
CE 169	4	2783	Press. Pump Driving Spindle	Crankless Engines Limited	17.5.1928 - 21.9.1928	sleeve 294	
CE 169	1, 3	2782	Engine Scav. Pump Wheel, Engine High Press. Supply Wheel, Alt. Made to National Gas Eng. Sio. Met. Gas Co. Sth. Melb.	Crankless Engines Limited	17.5.1928 - 21.9.1928	sleeve 295	
CE 162	16	1798	Fuel Atomiser ?	Crankless Engines Limited	18.6.1928	sleeve 296	
CE 162	15	1797	Fuel Atomiser Jet	Crankless Engines Limited	15.6.1928 - 22.4.1928	sleeve 296	
CE 156		2789	Oil Pump Dividing Plate	Crankless Engines Limited	22.5.1928 - 22.4.1929	sleeve 297	
CE 156	302, 310	2781	Ignition Swith Plate, Ignition Switch Spindle	Crankless Engines Limited	28.8.1928 - 22.4.1929	sleeve 297	
CE 156	298	2777	Throttle Control Rod	Crankless Engines Limited	14.5.1928 - 22.4.1929	sleeve 297	
CE 156	296, 297	2776	Ignition Control Rod (Short), Ignition Control Rod (Long)	Crankless Engines Limited	14.5.1928 - 22.4.1929	sleeve 297	
CE 156	294, 295	2775	Lock-Nut for Part No. 156-291, Washers for Part No. 156-291	Crankless Engines Limited	12.5.1928 - 22.4.1929	sleeve 298	
CE 156	288, 289, 290	2773	Baffle Plate, Baffle Plate, Oil Filler Cap	Crankless Engines Limited	10.5.1928 - 22.4.1929	sleeve 298	
CE 156	291, 292, 293	2774	Special Holder for 156, Std. R. Angle Union Body, Special Nut for Part No. 156-291	Crankless Engines Limited	11.5.1928 - 22.4.1929	sleeve 298	
CE 156	287	2772	Accelerator Pedal Brkt.	Crankless Engines Limited	9.5.1928 - 22.4.1929	sleeve 298	
CE 156	285	2771	Accelerator Pedal	Crankless Engines Limited	8.8.1928 - 22.4.1929	sleeve 299	
CE 156	282, 283, 284	2770	Ignition Control Lever Bolt, Nut for Part No. 156-282, Throttle Control Lever Stud	Crankless Engines Limited	10.5.1928 - 22.4.1928	sleeve 299	
CE 156	28a	2769	Throttle Control Stop	Crankless Engines Limited	8.5.1928 - 22.4.1929	sleeve 299	
CE 156	279, 280	2768	Ignition Control Lever, Throttle Control Lever	Crankless Engines Limited	8.5.1928 - 22.4.1929	sleeve 299	
CE 163	76	2765	Special Nut for Part No. 163-10	Crankless Engines Limited	4.4.1928	sleeve 300	
CE 163	75	2763	Inlet Valve Gland Plate	Crankless Engines Limited	2.4.1928 - 5.4.1928	sleeve 300	
CE 163	74	2761	Piston	Crankless Engines Limited	8.3.1928 - 4.4.1928	sleeve 300	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		2762	6 Complete Turns as Shown .012" Thick	Crankless Engines Limited	20.3.1928	sleeve 301	
CE 118	60	2760	Special Handle for Gas Cock	Crankless Engines Limited	19.1.1928 - 20.1.1928	sleeve 301	
CE 161	47, 49, 55	2759	Plunger Spring, Inlet Valve Spring, Outlet Valve Spring	Crankless Engines Limited	11.10.1927 - 2.3.1928	sleeve 301	
CE 142	148	2758	Distributor Head Cap	Crankless Engines Limited	27.2.1928 - 1.3.1928	sleeve 302	
CE 142	146	2756	Distributor Base	Crankless Engines Limited	27.2.1928 - 22.4.1928	sleeve 302	
CE 163	40a	2749	Balance Valve Plug	Crankless Engines Limited	13.2.1928 - 14.2.1928	sleeve 303	
CE 163	8, 68a, 68b	2747	Slipper Cup Shim, Corehole Diaphragm (Large), Corehole Diaphragm (Small)	Crankless Engines Limited	7.2.1928 - 14.2.1928	sleeve 303	
CE 156	72, 73	2744	Valve Rocker Pin, Valve Rocker Bush	Crankless Engines Limited	26.1.1928	sleeve 304	
CE 156	26a, 265, 266, 267	2741	Clip for Part No. 156-263, Oil Supply Pipe for Part No. 156-253, Special Tee for Press. Gauge, Modified Rotherham Union	Crankless Engines Limited	25.1.1928 - 26.1.1928	sleeve 304	
CE 156	261a, 261b, 262a, 262b	2739	Bolt for Part No. 156-260 (Large), Bolt for Part No. 156-260 (Small), Nut for Part No. 156-261a, Nut for Part No. 156-261b	Crankless Engines Limited	19.1.1928 - 3.2.1928	sleeve 304	
CE 144	44, 72, 72a	2742	Oil Pump Idler Shaft, Oil Pump Gear Wheel (Plain), Oil Pump Gear Wheel (Broached)	Crankless Engines Limited	27.1.1928 - 7.2.1928	sleeve 305	
CE 153	98, 99	2732	Special Union Body, Nipple for Part No. 156-98	Crankless Engines Limited	5.1.1928 - 24.1.1928	sleeve 305	
CE 156	271,, 272, 273, 273	2735	Special 3/16d Union, Nut for Part No. 156-271, Nipple for Part No. 156-271, Special Tee Piece	Crankless Engines Limited	28.1.1928 - 1.2.1928	sleeve 305	
CE 163		2734	Alterations to Armature	Crankless Engines Limited	6.1.1928 - 14.2.1928	sleeve 306	
CE 163		2736	Balance Weight	Crankless Engines Limited	16.1.1928 - 19.1.1928	sleeve 306	
CE 156	253	2729	Intermediate Drive Shaft Supersedes Part No. 156-51	Crankless Engines Limited	23.12.1927 - 20.1.1928	sleeve 307	
CE 156	250, 251, 252	2728	Aux. Drive Coupling Spring, Aux. Drive Coupling Guide, Aux. Drive Coupling Bolt	Crankless Engines Limited	23.12.1927 - 20.1.1928	sleeve 307	
CE 164	4, 5, 18, 6	2726	Top Spring Cap, Bottom Spring Cap, Swivel Setscrew, Spring	Crankless Engines Limited	20.12.1927 - 7.3.1928	sleeve 308	
CE 164	11, 17	2725	Main Shaft Nut, Handle	Crankless Engines Limited	20.12.1927 - 9.3.1928	sleeve 308	
CE 164	15, 16	2724	Locknuts	Crankless Engines Limited	19.12.1927 - 9.3.1928	sleeve 308	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 164	10, 13, 12	2723	Dist. Piece, Special Dist. Piece, Dist. Piece	Crankless Engines Limited	19.12.1927 - 7.3.1928	sleeve 308	
CE 164	7	2722	Main Shaft	Crankless Engines Limited	19.12.1927 - 9.3.1928	sleeve 309	
CE 164	3, 9, 8	2721	Swivel Bearing, L.H. Swivel Bearing, R.H. Swivel Bearing	Crankless Engines Limited	19.12.1927 - 7.3.1928	sleeve 309	
CE 156	247	2717	Starting Crank Shank	Crankless Engines Limited	23.1.1928 - 1.2.1928	sleeve 310	
CE 156	242	2715	Radiator Cover	Crankless Engines Limited	20.2.1928 - 21.2.1928	sleeve 310	
CE 156	240, 241	2714	Radiator Hose Connection Pipe, Union Flange for Oil Radiator	Crankless Engines Limited	13.11.1927 - 10.1.1928	sleeve 310	
CE 153	94, 95, 97	2712	Plug for Part No. 153- 93, Spring for Oil Control Valve, Slant Jet	Crankless Engines Limited	8.12.1927 - 3.3.1928	sleeve 311	
CE 153	92, 93	2711	Special Double-Ended Right Angle Union Body, Holder for Part No. 153-92	Crankless Engines Limited	7.12.1927 - 8.2.1928	sleeve 311	
CE 153	90, 91	2709	Holder for Part No. 153- 87, Cap Nut for Part No. 153-90	Crankless Engines Limited	2.12.1927 - 13.1.1928	sleeve 311	
CE 153	88, 89	2708	Double-Ended Right Angle Union Body, Holder for Part No. 153- 86 and 153-88	Crankless Engines Limited	3.12.1927 - 13.1.1928	sleeve 311	
CE 153	86, 87	2707	Single-Ended Right Angle Union Body, Single-Ended Right Angle Union Body	Crankless Engines Limited	5.12.1927 - 14.12.1927	sleeve 312	
CE 153	80, 81, 82, 83	2706	Pressure Pump Gear Wheel (Driving), Pressure Pump Gear Wheel (Driven), Pin for Part No. 153-81, Setscrew for Part No. 153-79	Crankless Engines Limited	1.12.1927 - 13.1.1928	sleeve 312	
CE 153	79	2705	Pressure Oil Pump Cover	Crankless Engines Limited	30.11.1927 - 8.2.1928	sleeve 312	
CE 163	67	2710	Plug for Part No. 156- 12	Crankless Engines Limited	6.12.1927 - 14.2.1928	sleeve 313	
CE 124	382, 383	2704	Slipper Pad L.H (Revised Design), Slipper Pad R.H (Revised Design),	Crankless Engines Limited	23.11.1927 - 20.12.1927	sleeve 313	
CE 139	108, 109	2702	Slant Jet, Slant Jet Holder	Crankless Engines Limited	18.11.1927 - 19.11.1927	sleeve 314	
CE 139	130, 131	2701	Distance Piece for Part No. 139-113, Clamping Collar for Part No. 139- 113	Crankless Engines Limited	17.11.1927	sleeve 314	
CE 163	55, 56, 57, 65	2692	Special Oil Union Nut, Dowel Pin for Part No. 163-16, Dowel Pin for Part No. 163-12, Stop Pin for Part No. 163- 39a, 163-39b, 163-41	Crankless Engines Limited	4.11.1927 - 14.2.1928	sleeve 315	"Cancelled Vide Drawing No. 2693"
CE 163	63, 64, 66	2691	Armature Nut, Armature Nut Washer, Armature Key	Crankless Engines Limited	4.11.1927 - 14.2.1928	sleeve 315	
CE 162	11	2694	Governor Control Spindle	Crankless Engines	4.11.1927 - 16.2.1928	sleeve 316	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 124		2689	Sketch Showing Coupling of Generator and Water Pump	Crankless Engines Limited	3.11.1927 - 5.12.1927	sleeve 316	
CE 163	61, 62	2687	Cylinder Head Gasket (Large), Cylinder Head Gasket (Small)	Crankless Engines Limited	2.11.1927 - 14.2.1928	sleeve 316	
CE 119	5	884	Lock Nut (Slipper Adjustment)	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 15.2.1924	sleeve 317	
CE 119	40, 41	883	Slipper Adj. Sleeve Setscrew, Slipper Cup Location Pin	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 15.2.1924	sleeve 317	
CE 119	42, 43	882	Peripheral Slipper Adjusting Screw, Lock Washer for Part No. 119-42	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 15.2.1924	sleeve 317	"Cancelled Vide Drawing No. 967"
CE 119	11	881	Slant Location Nut	Crankless Engines (Aus) Pty Ltd	30.1.1924 - 31.1.1924	sleeve 317	
CE 119	6	880	Peripheral Slipper	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 15.2.1924	sleeve 318	"Cancelled Vide Drawing No. 965"
CE 119	31a	879	Oil Pump Cam Sleeve	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 15.2.1924	sleeve 318	Drawn TLS
		876	Comparitive Torque Curves of Conventional Type and Crankless Gas Engines	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 14.2.1924	sleeve 319	Drawn JWS
		875	Comparitive Sizes of Conventional Type and Crankless Gas Engines Driving Electirc Generator	Crankless Engines (Aus) Pty Ltd	12.2.1924 - 14.2.1924	sleeve 319	Drawn JWS
CE 100	233, 234	874	Indicator Disc, Indicator Driving Sleeve	Crankless Engines (Aus) Pty Ltd	12.2.1924	sleeve 320	
CE 100	232	873	Indicator Flange	Crankless Engines (Aus) Pty Ltd	12.2.1924	sleeve 320	
CE 25	35	872	Engine Bearing Cap	Crankless Engines (Aus) Pty Ltd	5.2.1924 - 11.2.1924	sleeve 321	
CE 25	33	870	Sub-Frame Strap	Crankless Engines (Aus) Pty Ltd	1.2.1924 - 6.2.1924	sleeve 321	
CE 119	15	869	Rotary Valve Oil Guard	Crankless Engines (Aus) Pty Ltd	5.2.1924 - 11.2.1924	sleeve 322	
CE 119	38, 39	868	Oil Pump Plunger Spring, Oil Pump Cam Key (No. 9 Woodruff Key)	Crankless Engines Limited	4.2.1924 - 3.5.1924	sleeve 322	
CE 119	33, 32	867	Oil Pump Tappet, Oil Pump Bush	Crankless Engines (Aus) Pty Ltd	4.2.1924 - 11.2.1924	sleeve 322	
CE 119	34	866	Oil Pump Plunger	Crankless Engines (Aus) Pty Ltd	2.2.1924 - 4.2.1924	sleeve 322	
CE 119	31	865	Oil Pump Cam	Crankless Engines (Aus) Pty Ltd	2.2.1924 - 4.2.1924	sleeve 323	
CE 119	36, 37	864	Oil Pump Filter, Oil Pump Body Cap	Crankless Engines (Aus) Pty Ltd	2.2.1924 - 4.2.1924	sleeve 323	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 25	32	862	Bendix Shaft Gear	Crankless Engines (Aus) Pty Ltd	2.2.1924	sleeve 324	Drawn PEI
CE 25	28, 29, 30	860	Bendix Spring Setscrew, Lock Washer for Part No. 25-28, Bendix Drive Shaft Nut	Crankless Engines (Aus) Pty Ltd	1.2.1924 - 2.2.1924	sleeve 324	Drawn PEI
CE 25	26, 27	859	Bendix Shaft Collar, Bendix Pinion Distance Piece	Crankless Engines (Aus) Pty Ltd	1.2.1924 - 2.2.1924	sleeve 324	Drawn PEI
CE 25	25	858	Bendix Drive Shaft	Crankless Engines (Aus) Pty Ltd	1.2.1924 - 2.2.1924	sleeve 324	Drawn PEI
CE 100		853	Exhaust Pipe Layout of 50 H.P. Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	30.1.1924	sleeve 325	"Cancelled Vide Drawing No. 1008"
CE 100	231	851	Exhaust Gland Pipe	Crankless Engines (Aus) Pty Ltd	25.1.1924	sleeve 325	
CE 119	1, 1a	856	Piston Slipper (Complete with Tail)	Crankless Engines (Aus) Pty Ltd	29.1.1924	sleeve 326	"Cancelled Vide Drawing No. 964"
CE 101	179	849	18" Pipe for Testing of 200,000 c.ft. hr Booster	Crankless Engines (Aus) Pty Ltd	22.1.1924 - 23.1.1924	sleeve 326	
CE 25	21, 22, 23	848	Dowel Pin for Part No. 25-12, Clutch Drive Pin Nut, Clutch Drive Pin Washer	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 23.1.1924	sleeve 327	Drawn PEI
CE 25	20	847	Clutch Drive Pin	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 23.1.1924	sleeve 327	Drawn PEI
CE 100	228a, 227	844	Mixing Chamber Setscrew, Relief Valve Spring	Crankless Engines (Aus) Pty Ltd	17.1.1924 - 21.1.1924	sleeve 328	
CE 100	225, 228	843	Relief Valve Retaining Nut, Mixing Chamber Cover Setscrew	Crankless Engines (Aus) Pty Ltd	17.1.1924 - 21.1.1924	sleeve 328	
CE 100	226	842	Sleeve Retaining Cover (Gas Mixer)	Crankless Engines (Aus) Pty Ltd	17.1.1924 - 21.1.1924	sleeve 328	
CE 100	224, 220	841	Throttle Lever Spindle Bush, Throttle Valve Guide Pin	Crankless Engines (Aus) Pty Ltd	19.1.1924 - 21.1.1924	sleeve 328	
CE 100	218, 223	840	Throttle Valve Spindle, Throttle Lever Spindle	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 21.1.1924	sleeve 329	
CE 100	222	839	Relief Valve	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 21.1.1924	sleeve 329	
CE 100	216	838	Throttle Valve Sleeve	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 21.1.1924	sleeve 329	
CE 100	217	387	Throttle Valve	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 21.1.1924	sleeve 329	
CE 100	221	836	Mixing Chamber Cover	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 21.1.1924	sleeve 329	
CE 25	13, 14, 15, 11	831	Clutch Spigot Bush, Dowel Pin Ring, Clutch Dowel Pin, Setscrew	Crankless Engines (Aus) Pty Ltd	11.1.1924 - 16.1.1924	sleeve 330	Drawn PEI
CE 25	9, 10	829	Lock Washer, Modification to Existing Nut on Engine	Crankless Engines (Aus) Pty Ltd	10.1.1924 - 12.1.1924	sleeve 330	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 25	2	828	Driving Sleeve	Crankless Engines (Aus) Pty Ltd	10.1.1924 - 12.1.1924	sleeve 330	
CE 25	5	827	Universal Joint Block	Crankless Engines Limited	7.7.1924 - 10.7.1924	sleeve 330	
CE 25	1, 4	826	Universal Joint Cover, Universal Joint Pin	Crankless Engines Limited	4.7.1924 - 10.7.1924	sleeve 330	
CE 25	17	833	U. J. Coupling Shaft	Crankless Engines (Aus) Pty Ltd	15.1.1924 - 16.1.1924	sleeve 331	
CE 118	21	825	1/16d Oil Jet for 3/8 d Pipe	Crankless Engines (Aus) Pty Ltd	19.12.1923	sleeve 331	
CE 24	22	822	Slant Adjusting Wahsher	Crankless Engines (Aus) Pty Ltd	18.12.1923 - 2.1.1924	sleeve 331	
			Instructions for Grinding Camshafts for Crankless Gas Engine 8 x 4 3/4 x 5 5/8			sleeve 332	
			Instructions for Grinding Camshafts for Crankless Gas Engine 8 x 4 3/4 x 5 5/8			sleeve 332	
			Camshaft		5.9.1923	sleeve 332	
			R.H. Camshaft		5.9.1923	sleeve 332	
			L.H. Camshaft		5.9.1923	sleeve 332	
			General Arrangement of Direct-Coupled Two Cylinder Single-Stage Air-Cooled Single-Ended Crankless Air Brake Compressor		15.4.1929	sleeve 333	
		Drawing No.12659	Proposed 800 B.H.P. Crankless Two Stroke Diesel Engine			sleeve 334	
		SK 57	Two Stroke Gas? Engine		6.2.1928	sleeve 335	
			Piston and Rotary Valve		27.4.1929	sleeve 336	
CE 173		2871	General Arrangement of Direct-Coupled Two Cylinder Single-Stage Air-Cooled Single-Ended Crankless Air Brake Compressor	Crankless Engines Limited	12.3.1924	sleeve 337	
CE 173		2872	General Arrangement of Direct-Coupled Two Cylinder Single-Stage Air-Cooled Single-Ended Crankless Air Brake Compressor	Crankless Engines Limited	15.3.1924	sleeve 337	
			Piston-Yoke Unit. 5 x 5 x 8 Cyl. Crankless Gas Engine			sleeve 338	
CE (Gen)		112	General Arrangement 9 Cyl. 3 1/2 Bore x 4 3/4 Stroke Crankless Oil Pump	Crankless Engines Limited	26.9.1923	sleeve 339	
CE 16	1	200	Rear Cylinder Block Double-Ended Crankless Engine		31.5.1922	sleeve 340	

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C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 16	1	201	Rear Cylinder Block Double-Ended Crankless Engine		31.5.1922	sleeve 340	
CE 16	1	202	Rear Cylinder Block Double-Ended Crankless Engine		31.5.1922	sleeve 341	
CE 16	29, 28, 27	214	Cage Spherical Bearing, Main Housing, Cage Boss	Crankless Engines (Aus) Pty Ltd	7.6.1922 - 14.6.1922	sleeve 341	
CE 16	46	222	Slant Case	Crankless Engines (Aus) Pty Ltd	21.7.1922 - 26.7.1922	sleeve 342	
CE 16	56, 57, 58, 59	229	Exhaust Pipe (Top), Exhaust Pipe (Bottom), Exhaust Pipe Gland, Exhaust Pipe Nut	Crankless Engines (Aus) Pty Ltd	29.7.1922 - 2.8.1922	sleeve 342	
		394	General Arrangement of Two-Stroke Crankless Compressor	Crankless Engines Limited	1.4.1924	sleeve 343	
		933	External General Arrangement of Motor Driven Crankless Air Compressor	Crankless Engines Limited	18.3.1924	sleeve 344	
			280 H.P. Crankless Gas Engine (Special) General Arrangement of Engine	Crankless Engines Limited	24.4.1928	sleeve 345	
CE 144	16	1944	Auxiliary Gearbox Casing	Crankless Engines Limited	23.11.1925 - 8.12.1925	sleeve 346	
CE 144	1	1943	Starting Gear Box Housing	Crankless Engines Limited	6.11.1925 - 8.12.1925	sleeve 346	
		1256	General Arrangement of Crankless Gas Engine - Booster Set	Crankless Engines Limited	20.10.1924 - 22.10.1924	sleeve 347	
		1650	General Arrangement - End Views of Proposed 55 - 65 H.P. Crankless Aeroplane Engine with Radiator	Crankless Engines Limited	9.7.192 - 24.7.1925	sleeve 348	
		1609	Outline General Arrangement of Combined Crankless Gas Engine - Booster Set	Crankless Engines Limited	2.6.1925 - 3.6.1925	sleeve 349	Drawn JWS
CE (Gen)		127	Outline Design of Variable Stroke Crankless Pump	Crankless Engines Limited	18.4.1925	sleeve 350	
		?	Peliminary Arrangement of Crankless Gas - Engine - Booster Unit	?	5.10.1923	sleeve 351	
		723	Peliminary Arrangement of Crankless Gas - Engine - Booster Unit	Crankless Engines (Aus) Pty Ltd	4.10.1923	sleeve 351	
		722	Peliminary Arrangement of Crankless Gas - Engine - Booster Unit	Crankless Engines (Aus) Pty Ltd	2.10.1923 - 4.10.1923	sleeve 352	
		893	General Arrangement of 12 Cylinder Gas Blower	Crankless Engines (Aus) Pty Ltd	24.1.1924 - 6.3.1924	sleeve 353	
		804	Arrangement of Oil Pipes on Gas Engine - Booster Set	Crankless Engines (Aus) Pty Ltd	1.11.1923 - 17.11.1923	sleeve 354	Drawn JWS
CE 119	30	899	Main Casting	Crankless Engines (Aus) Pty Ltd	22.2.1924 - 5.3.1924	sleeve 355	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE (Gen)		126	Outline Design of 10 Cylinder 4" Borex x 3" Stroke Crankless Supercharging Compressor	Crankless Engines Limited	27.3.1925	sleeve 356	
		599	Preliminary Longitudinal Arrangement of 8 x 4 3/4 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	12.7.1923 - 18.7.1923	sleeve 357	
		529	Preliminary Arrangement of 6 x 3 x 3 Air Cooled Crankless Compressor	Crankless Engines (Aus) Pty Ltd	18.6.1925	sleeve 358	
CE 100	3, 35	523	Cylinder Head (Top), Cylinder Head (Bottom)	Crankless Engines (Aus) Pty Ltd	11.6.1923 - 14.6.1923	sleeve 359	Drawn and Traced PEI
		513	Preliminary Layout of 8 x 93/8 diam. X 8 Stroke Crankless Gas Booster	Crankless Engines (Aus) Pty Ltd		sleeve 360	
CE 100	2	511	Cylinder Block Casting (Bottom)	Crankless Engines (Aus) Pty Ltd	29.5.1923 - 12.6.1923	sleeve 361	
CE 100	2	510	Cylinder Block Casting (Bottom)	Crankless Engines (Aus) Pty Ltd	29.5.1923 - 12.6.1923	sleeve 361	
CE 101	25	506	Cylinder Block Casting (Bottom)	Crankless Engines (Aus) Pty Ltd	31.5.1923 - 1.7.1923	sleeve 362	Drawn JWS
CE 101	25	507	Cylinder Block Casting (Bottom)	Crankless Engines (Aus) Pty Ltd		sleeve 362	
		503	Gas Mixer and Throttle Valve	Crankless Engines (Aus) Pty Ltd	11.7.1923 - 16.7.1923	sleeve 363	Drawn and Traced PEI
		500	General Layout of Eight Cylinder Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	11.4.1923	sleeve 364	
CE 101	24	485	Cylinder Block Casting (Top)	Crankless Engines (Aus) Pty Ltd	11.5.1923 - 30.6.1923	sleeve 365	Drawn JWS
CE 101	24	484	Cylinder Block Casting (Top)	Crankless Engines (Aus) Pty Ltd	10.5.1923 - 1.7.1923	sleeve 365	Drawn JWS
		1259	Outline Arrangement of Crankless Gas Engine - Booster Set	Crankless Engines Limited	3.11.1924 - 7.11.1924	sleeve 366	
		1092	Cast Steel Piston - Yoke Unit	Crankless Engines Limited	2.9.1924 - 3.9.1924	sleeve 367	
		1120	End View of 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	1.11.1924 - 6.1.1925	sleeve 368	Drawn JWS
		1119	General Arrangement of Valve Operating Mechanism 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	8.11.1924 - 6.1.1925	sleeve 368	Drawn JWS
		1118	General Arrangement of Piston - Yoke Unit 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	10.11.1924 - 6.1.1925	sleeve 369	Drawn JWS
		117	Longitudinal Section of General Arrangement of 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	27.9.1924 - 6.1.1925	sleeve 369	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		1034	External General Arrangement of Single Ended Single-Stage Crankless Air Compressor - Water Cooled	Crankless Engines (Aus) Pty Ltd	8.7.1924 - 11.7.1924	sleeve 370	
		1024	3 x 3 1/2 x 3 3/4 Crankless Air Compressor	Crankless Engines (Aus) Pty Ltd	26.4.1924 - 29.6.1924	sleeve 371	
		1086	General Arrangement of 250 S.H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	18.8.1924 - 29.8.1924	sleeve 372	
		1085	General Arrangement of 250 S.H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	21.8.1924 - 29.8.1924	sleeve 372	Drawn JWS
		1084	General Arrangement of 250 S.H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	7.8.1924 - 29.8.1924	sleeve 373	Drawn JWS
		1083	General Arrangement of 250 S.H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	20.8.1924 - 29.8.1924	sleeve 373	Drawn JWS
		1081	General Arrangement of Crankless Oil Pump Drive	Crankless Engines Limited	6.8.1924 - 18.8.1924	sleeve 374	
		1073	Transverse Arrangement of 8 x 4 3/4 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	1.8.1924 - 12.8.1924	sleeve 375	
		1071	Outline General Arrangement of Motor-Crankless Air Brake Compressor	Crankless Engines (Aus) Pty Ltd	5.8.1924 - 6.8.1924	sleeve 376	
		1066	General Arrangement of 50 H.P. Crankless Gas Engine 8 x 4 3/4 Bore x 5 5/8 Stroke	Crankless Engines (Aus) Pty Ltd	22.7.1924 - 12.8.1924	sleeve 377	
		1063	General Arrangement of Crankless Gas Engine - Booster Set	Crankless Engines (Aus) Pty Ltd	25.7.1924 - 26.7.1924	sleeve 378	
		1060	General Arrangement of 10 x 7/8 x 1/2 Crankless Water Pump	Crankless Engines (Aus) Pty Ltd	25.7.1924 - 31.7.1924	sleeve 379	
		1052	Arrangement of Exhaust and Water Piping on 50 H.P. Gas Engine	Crankless Engines (Aus) Pty Ltd	18.7.1924 - 23.7.1924	sleeve 380	
		905	General Layout of 120 H.P. and 525 H.P. Crankless Suction Gas Engines	Crankless Engines (Aus) Pty Ltd	3.8.1924 - 6.3.1924	sleeve 381	
		1558	General Arrangement of 8 x 9 3/8 x 8 Stroke Crankless Gas Booster	Crankless Engines Limited	30.4.1925 - 2.5.1925	sleeve 382	
		2067	Proposed Design of Two Cylinder Single Ended Air Cooled Crankless Air Brake Compressor for Direct Attachment to Armature Shaft	Crankless Engines Limited	8.2.1926 - 4.3.1926	sleeve 383	
		2066	Proposed Design of Two Cylinder Single Ended Air Cooled Crankless Air Brake Compressor for Direct Attachment to Armature Shaft	Crankless Engines Limited	10.2.1926 - 12.2.1926	sleeve 383	

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C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		2098	Layout of Control Mechanism for 100,000 Cubic Ft. Per Hour Gas Engine - Booster Set	Crankless Engines Limited	11.2.1926 - 8.4.1926	sleeve 384	
CE 149		2190	General Arrangement of Valve Testing Machine	Crankless Engines Limited	16.9.1926 - 24.9.1926	sleeve 385	Drawn and Traced PEI
		2099	Proposed Design of Three Cylinder Single Ended Air Compressor - Cage Type	Crankless Engines Limited		sleeve 386	
		896	Proposed Motor Driven Crankless Air Cooled Single Stage Compressor	Crankless Engines (Aus) Pty Ltd	22.2.1924 - 25.2.1924	sleeve 387	
		902	External Arrangement of Crankless Gas Engine - Alternator - Unit	Crankless Engines (Aus) Pty Ltd	25.2.1924 - 6.3.1924	sleeve 388	Drawn JWS
		901	External General Arrangement of Crankless Gas Engine - Alternator Unit	Crankless Engines (Aus) Pty Ltd	18.1.1924 - 6.3.1924	sleeve 388	
		900	External General Arrangement of Motor - Crankless Blower Unit	Crankless Engines (Aus) Pty Ltd	28.2.1924 - 6.3.1924	sleeve 389	
		895	General Arrangement of Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	1.3.1924 - 6.3.1924	sleeve 390	
		894	General Arrangement of Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	18.2.1924 - 6.3.1924	sleeve 390	
		2082	Layout of Lubrication Piping on 100,000 Cu. Ft. Engine - Booster Set	Crankless Engines Limited	20.1.1926 - 27.1.1926	sleeve 391	
CE 148	40	2141	Compressor Base	Crankless Engines Limited	11.3.1926 - 4.6.1926	sleeve 392	
CE 148	39	2137	Cylinder Block	Crankless Engines Limited	6.3.1926 - 18.5.1926	sleeve 392	
CE 139		2113	Piping Layout 6 Cyl. 2 Stage Crankless Air Compressor	Crankless Engines Limited	11.11.1925 - 14.11.1925	sleeve 393	
CE 139		2112	General Arrangement of 6 Cyl 2 Stage Crankless Air Compressor	Crankless Engines Limited	9.11.1925 - 11.11.1925	sleeve 393	
CE 161		2650	General Arrangement of 5 Cyl. Single-Ended Direct-Coupled Crankless Automatic Water Pump	Crankless Engines Limited	13.10.1927 - 20.10.1927	sleeve 394	
CE 124	251	1690	Radiator	Crankless Engines Limited	10.3.1925 - 25.8.1925	sleeve 395	
CE 163	14	2637	Cylinder Head	Crankless Engines Limited	10.10.1927 - 15.2.1928	sleeve 396	
CE 163	12	2636	Cylinder Block	Crankless Engines Limited	10.10.1927 - 15.2.1928	sleeve 396	
CE 163	16	2613	Compressor Base	Crankless Engines Limited	3.10.1927 - 15.2.1928	sleeve 397	
CE 163		2695	2 Cyl. Air-Cooled Crankless Air Compressor	Crankless Engines Limited	5.11.1927 - 12.12.1927	sleeve 397	
		733	Gear Box Dynamometer	Crankless Engines (Aus) Pty Ltd	21.9.1923 - 9.10.1923	sleeve 398	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 121		994	General Layout of Piston - Yoke Assembly of 400 H.P. Water-Cooled Crankless Aeroplane Engine	Crankless Engines Limited	27.5.1924 - 19.6.1924	sleeve 399	Drawn and Traced PEI
CE 121		993	Sectional End Views of 400 H.P. Water-Cooled Crankless Aeroplane Engine	Crankless Engines Limited	31.5.1924 - 19.6.1924	sleeve 399	Drawn JWS
CE 121		992	General Arrangement - End Views of 400 H.P. Water-Cooled Crankless Aeroplane Engine	Crankless Engines Limited	20.5.1924 - 19.6.1924	sleeve 400	Drawn JWS
CE 121		991	General Longitudinal Arrangement of 400 H.P. Water-Cooled Crankless Aeroplane Engine	Crankless Engines Limited	2.6.1924 - 19.6.1924	sleeve 400	
			Arrangement for Belt Drive for 70 H.P. Gas Engine Booster Set	Crankless Engines Limited	5.5.1925	sleeve 401	
CE 144		2859	Proposed Alterations to Starting Engine and Auxiliary Drives of Crankless Gas Engine - Booster Set at Colonial Gas Association Works, Footscray	Crankless Engines Limited	10.1.1929	sleeve 402	
		5F	Fixture for Testing Booster Delivery Valve on 2 3/4 x 2 2/8 Crankless Compressor			sleeve 403	
		SK 37	Flexible Coupling for 100 H.P. Crankless Engine to Transmit 100 H.P. at 750 RPM.	Crankless Engines Limited		sleeve 404	
CE 126	1, 2, 3, 4, 5, 6, 7	1091	Injector Body, Jet, Air Union Body (Double), Air Union Body (Single), Injector Body Plug, Back Nut (Short), Back Nut (Long)	Crankless Engines Limited	18.8.1924 - 19.8.1924	sleeve 405	
CE 100	272, 273	1258	Bedplate for 50 H.P. Crankless Gas Engine, Core Hole Cover Plate	Crankless Engines Limited	7.11.1924 - 20.11.1924	sleeve 406	
		108	Micheel Thrust Bearing Type "S" Nize No. 8	Crankless Engines (Aus) Pty Ltd	23.1.1923	sleeve 406a	
CE 17 and 21	82	435	Camshaft	Crankless Engines (Aus) Pty Ltd	10.11.1922	sleeve 407	Drawn TLS and Traced PEI
CE 17 and 21	150	447	Engine Bearer	Crankless Engines (Aus) Pty Ltd	4.12.1922	sleeve 408	Drawn TLS and Traced PEI
		598	Diagrammatic Arrangement of Valve Gearing on 8 x 4 3/4 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	17.7.1923 - 18.7.1923	sleeve 409	
		610	General Arrangement of Pistons and Yoke for 8 Cyl. 50 H.P. Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	31.7.1923	sleeve 410	Drawn and Traced PEI
		614	Piston Yoke Assembly for 8 x 3 5/16 x 3 1/2 Crankless Petrol Engine	Crankless Engines (Aus) Pty Ltd	27.7.1923 - 2.8.1923	sleeve 411	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		904	Floor Plan of Motor - Crankless Blower Units	Crankless Engines (Aus) Pty Ltd	25.2.1924 - 5.3.1924	sleeve 412	
		1051	Arrangement of Gas - Air - Throttle Valve (Indicating Method of Control by Governor)	Crankless Engines (Aus) Pty Ltd	21.7.1924 - 12.8.1924	sleeve 413	
		1026	Housing for Michell Bearing Type "S" Size No. 3	Crankless Engines Limited	27.6.1924 - 3.7.1924	sleeve 414	
CE 121		1023	Alternative Shaft Design for 400 H.P. Water-Cooled Crankless Aeroplane Engine	Crankless Engines Limited	25.6.1924 - 25.6.1924	sleeve 415	
		1087	Installation Diagram of 250 H.P. Crankless Two Stroke Diesel Engine	Crankless Engines Limited	28.8.1924 - 29.8.1924	sleeve 416	Drawn JWS
		1451	Proposed General Arrangement of Piston - Yoke Unit 100 H.P. Crankless Gas Engine	Crankless Engines Limited	2.2.1925 - 3.2.1925	sleeve 417	
		1456	Proposed Design of Piston - Yoke Unit for 150 H.P. Crankless Gas Engine	Crankless Engines Limited	17.2.1925	sleeve 418	Drawn JWS and Traced PEI
CE 127		1561	Modification to Front End of Top and Bottom Cylinder Blocks, Part No. 127-37 and 127-38 in Accordance with Arrangement Shown in Drawing No 1243	Crankless Engines Limited	9.4.1925 - 1.5.1925	sleeve 419	
		1560	Installation Drawing of 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	17.4.1924 - 2.5.1925	sleeve 420	
		1616	General Arrangement of Hopkinson Optical Indicator for Testing 50 H.P. Crankless Gas Engine	Crankless Engines Limited	17.3.1925 - 30.6.1925	sleeve 421	
		1678	Proposed Modification of 8 x 9.375 x 8.08 Booster with Single Rotary Valve Combining Inlet and Delivery Passages	Crankless Engines Limited	31.7.1925 - 18.8.1925	sleeve 422	
		1883	Proposed Design of Divided Piston Yoke Unit for Two Stroke Engine - Air Compressor Unit	Crankless Engines Limited	9.11.1925 - 11.11.1925	sleeve 423	Drawn PEI
		1903		Crankless Engines Limited	23.11.1925	sleeve 424	
		2031	Proposed Design of Rear Outer Main Bearing for 100 H.P. Gas Engine	Crankless Engines Limited	10.2.1926	sleeve 425	
CEA		26	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor	Crankless Engines (Aus) Pty Ltd	11.12.1920	sleeve 426	
CEA		17	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor	Crankless Engines (Aus) Pty Ltd	14.10.1920	sleeve 426	
Tender Drawing		37	General Arrangement Pumping Equipment for Oil Tank Truck for Victorian Railways - Electrical Engineering Branch	Crankless Engines (Aus) Pty Ltd	28.2.1921	sleeve 427	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
		14 F	12 Magnetic Chuck for 16 x 36 Churchill Univeral Grining Machine	Crankless Engines (Aus) Pty Ltd	6.8.1923	sleeve 428	
CEA		13	8 Cylinder 2 3/4 x 2 7/8 Crankless Air Compressor	Crankless Engines (Aus) Pty Ltd	7.10.1920	sleeve 429	
Tender Drawing		95	8 and 12 x 12 x 10 3/4 Crankless Blowers	Crankless Engines (Aus) Pty Ltd	19.5.1922	sleeve 430	
		96	12 x 6 x 5 1/2 Crankless Blower	Crankless Engines (Aus) Pty Ltd	8.8.1922	sleeve 431	
		2251	Preliminary Layout of Four-Wheel Portable Truck	Crankless Engines Limited	19.11.1926 - 20.11.1926	sleeve 432	
CEA		11	Details of Slipper Blocks - Guide Rods and Guide Blocks	Crankless Engines (Aus) Pty Ltd	1.10.1920 - 25.2.1921	sleeve 433	
		19 F	Tool Post for Pearn-Richards Machine	Crankless Engines (Aus) Pty Ltd	5.9.1923	sleeve 434	
		2452	Michell Thrust Bearing for Messrs Thompson's Engineering and Pipe Co. Ltd. Castlemaine, Victoria.	Crankless Engines Limited	13.6.1927 - 15.7.1927	sleeve 435	
		2100	Proposed Auxiliary Drive for 15.9 H.P. Petrol Engine	Crankless Engines Limited	15.2.1926 - 16.2.1926	sleeve 436	Drawn and Traced PEI
CE 149	SK 67	SK 67	Sketch of Modifications to Existing Bedplate	Crankless Engines Limited	12.3.1928 - 22.4.1929	sleeve 437	
CE 130	1	1268	Bedplate	Crankless Engines (Aus) Pty Ltd	11.12.1924	sleeve 438	
CE 132		1349	Arrangement of Flexible Coupling	Crankless Engines (Aus) Pty Ltd	1.12.1924 - 3.12.1924	sleeve 439	Drawn JWS
CE 132	1	1346	Driving Half od Flexible Coupling	Crankless Engines (Aus) Pty Ltd	26.11.1924 - 3.12.1924	sleeve 439	Drawn JWS
CE 132	2	1345	Loose Driving Piece for Flexible Coupling	Crankless Engines (Aus) Pty Ltd	27.11.1924 - 3.12.1924	sleeve 440	Drawn JWS
CE 132	3	1344	Driven Half of Flexible Coupling	Crankless Engines (Aus) Pty Ltd	27.11.1924 - 3.12.1924	sleeve 440	Drawn JWS
CE 130	46	1342	Clutch Pedal	Crankless Engines (Aus) Pty Ltd	6.11.1924 - 3.12.1924	sleeve 441	Drawn JWS
CE 134	2, 3, 4	1378	Pump Cover (Driving End), Dividing plate (R.H.), Centre Dividing Plate	Crankless Engines Limited	12.12.1924 - 23.12.1924	sleeve 442	Drawn TLS
CE 139	1	1368	Tachometer Bracket	Crankless Engines (Aus) Pty Ltd	2.12.1924 - 9.12.1924	sleeve 443	Drawn JWS
CE 136	1, 2, 3, 4, 5, 6, 7, 8	1434	Experimental Face Cam Fixture for 15.9 H.P. Petrol Engine	Crankless Engines (Aus) Pty Ltd	15.1.1924 - 17.1.1924	sleeve 444	
CE 135		1454	General Arrangement of Pressure Control Valve	Crankless Engines Limited	2.2.1925 - 6.2.1925	sleeve 445	
CE 131		1535	Michell Double Thrust Bearing	Crankless Engines Limited	29.10.1924 - 30.4.1925	sleeve 446	
CE 137	1	1636	Cylinder Barrel	Crankless Engines	7.7.1925 - 14.7.1925	sleeve 447	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 139	4	1675	Yoke	Crankless Engines Limited	3.8.1925 - 13.8.1925	sleeve 448	Drawn PEI
CE 139	24	1734	Yoke Guide	Crankless Engines Limited	22.8.1925 - 10.9.1925	sleeve 448	
CE 139	2	1707	Main Shaft	Crankless Engines Limited	19.8.1925 - 31.8.1925	sleeve 449	
CE 139	80	1763	Intercooler Body	Crankless Engines Limited	25.9.1925 - 7.10.1925	sleeve 449	
CE 139	1	1742	Slant	Crankless Engines Limited	2.9.1925 - 23.9.1925	sleeve 450	Drawn PEI
CE 122	7	1015	Main Shaft	Crankless Engines (Aus) Pty Ltd	23.6.1924 - 25.6.1924	sleeve 451	
CE 122	5, 6	1014	main Body Casting (Top), Main Body Casting (Bottom)	Crankless Engines (Aus) Pty Ltd	16.6.1924 - 25.6.1924	sleeve 451	
CE 121	8	1000	Cylinder Barrel	Crankless Engines Limited	29.5.1924 - 19.6.1924	sleeve 452	
CE 121	9	999	Slant	Crankless Engines Limited	28.5.1924 - 19.6.1924	sleeve 452	
CE 121	10, 12, 11, 13, 14	996	Thrust Bearing Pads, T.B. Fixed Ring, T.B. Washer, T.B. Distance Ring, T.B. Pad Location Pins	Crankless Engines Limited	30.5.1924 - 19.6.1924	sleeve 453	Drawn JWS
CE 121	2, 3, 4, 5, 6, 7	995	Slipper Pad Body, Slipper Tail, Slipper Tail Guide, Slipper Plug, Slipper Cup, Peripheral Pad	Crankless Engines Limited	26.5.1924 - 19.6.1924	sleeve 453	
CE 121	1, 2, 3	984	Fabric Coupling for Dynamometer	Crankless Engines (Aus) Pty Ltd	30.4.1924 - 2.5.1924	sleeve 454	Drawn PEI
CE 125	6	1078	Housing (Oil Pump Drive Shaft)	Crankless Engines Limited	6.8.1924 - 18.8.1924	sleeve 455	
CE 127		1122	General Arrangement of Gas Mixer	Crankless Engines (Aus) Pty Ltd	15.10.1924 - 12.1.1925	sleeve 456	Drawn JWS
CE 127	6	1099	Yoke	Crankless Engines (Aus) Pty Ltd	3.9.1924 - 12.9.1924	sleeve 456	
CE 127	80	1250	Main Shaft	Crankless Engines (Aus) Pty Ltd	11.11.1924	sleeve 457	Drawn JWS
CE 127		1243	General Arrangement of Thrust Bearing of 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	8.4.1925 - 2.5.1925	sleeve 457	
CE 127	148	1219	Magneto Drive Housing	Crankless Engines Limited	30.9.1924 - 13.10.1924	sleeve 458	Drawn and Traced PEI
CE 127	93	1203	Cam Rocker Plate	Crankless Engines (Aus) Pty Ltd	1.10.1924 - 6.10.1924	sleeve 458	
CE 127	36, 36a	1178	Exhaust Manifold R.H., Exhaust Manifold L.H.	Crankless Engines (Aus) Pty Ltd	3.10.1924 - 6.10.1924	sleeve 459	
CE 127	59	1165	Gas Mixer Body	Crankless Engines (Aus) Pty Ltd	25.9.1924 - 6.10.1924	sleeve 459	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 127	51, 51a	1162	Main Bearing Cap (Front), Main Bearing Cap (Rear)	Crankless Engines (Aus) Pty Ltd	23.9.1924 - 6.10.1924	sleeve 460	
CE 127	81	1154	Slant	Crankless Engines (Aus) Pty Ltd	19.9.1924 - 19.9.1924	sleeve 460	Traced PEI
CE 127	39, 39a, 40	1138	T.B. Fixed Ring Seat (Front), T.B. Fixed Ring Seat (Rear), T.B. Fixed Ring	Crankless Engines Limited	25.9.1924 - 29.9.1924	sleeve 461	Traced PEI
CE 124	63	1255	Piston Yoke Castin	Crankless Engines (Aus) Pty Ltd	22.10.1924 - 25.10.1924	sleeve 462	Drawn TLS
CE 128	21, 22	1267	L.H. Camshaft, R.H. Camshaft	Crankless Engines (Aus) Pty Ltd	11.11.1924 - 14.11.1924	sleeve 463	Drawn TLS
CE 128	1	1261	Yoke	Crankless Engines (Aus) Pty Ltd	7.11.1924 - 10.11.1924	sleeve 463	Drawn and Traced PEI
CE 129	21	1328	Auxiliary Drive Gear Box Cap	Crankless Engines (Aus) Pty Ltd	10.11.1924 - 27.11.1924	sleeve 464	
CE 129	20	1327	Auxiliary Drive Gear Box Body	Crankless Engines (Aus) Pty Ltd	10.11.1924 - 27.11.1924	sleeve 464	
CE 128	42, 43	1304	Front Outer Bearing Base, Rear Outer Bearing Base	Crankless Engines (Aus) Pty Ltd	20.11.1924 - 21.11.1924	sleeve 465	Drawn TLS
CE 128	41	1301	Main Shaft	Crankless Engines (Aus) Pty Ltd	13.11.1924 - 20.11.1924	sleeve 465	Drawn TLS
CE 128	2	1282	Piston	Crankless Engines (Aus) Pty Ltd	14.11.1921 - 18.11.1921	sleeve 466	Drawn and Traced PEI
CE 129		1367	Auxiliary Gear Box	Crankless Engines (Aus) Pty Ltd	4.12.1924 - 9.12.1924	sleeve 467	Drawn JWS
CE 128	18	1351	Water Circulation Pipe for Oil Tank	Crankless Engines (Aus) Pty Ltd	24.11.1924 - 4.12.1924	sleeve 468	Drawn JWS
CE 128		1397	Assembly of Piston - Yoke Unit for 8 x 5 1/8 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	31.12.1924 - 7.1.1925	sleeve 468	
CE 129	26	1432	Chain Guard	Crankless Engines (Aus) Pty Ltd	14.12.1924 - 13.1.1925	sleeve 469	
CE 127		1534	General Arrangement of Piston - Yoke Unit for 8 x 5 1/2 x 6 1/2 Crankless Gas Engine "B" Design	Crankless Engines Limited	16.4.1925 - 30.4.1925	sleeve 470	
CE 124	62	1519	Main Shaft	Crankless Engines Limited	21.1.1925 - 5.5.1925	sleeve 471	
CE 124	22	1491	Cylinder Head Cover	Crankless Engines Limited	10.2.1925 - 5.5.1925	sleeve 471	Drawn JWS
CE 127	216	1550	Thrust Bearing Housing	Crankless Engines Limited	9.4.1925 - 2.5.1925	sleeve 472	
CE 127	202	1541	Piston Yoke	Crankless Engines Limited	17.4.1925 - 6.5.1925	sleeve 472	
CE 127	220	1553	Housing for Rear Outer Bearing	Crankless Engines Limited	23.4.1925 - 2.5.1925	sleeve 473	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 127		1556	General Arrangement of Rear Outer Bearing for 8 x 5 1/2 x 6 1/2 Crankless Gas Engine	Crankless Engines Limited	15.4.1924 - 2.5.1925	sleeve 473	
CE 127		1562	Modification to Rear End of Top and Bottom Cylinder Blocks Parts No. 127-37 and 127-38 in Accordance with Arrangement Shown in Drawing No. 1556	Crankless Engines Limited	22.4.1925 - 2.5.1925	sleeve 474	
CE 124	63	1557	Piston - Yoke	Crankless Engines Limited	6.5.1925 - 30.7.1925	sleeve 475	
CE 124	64	1559	Slant	Crankless Engines Limited	22.4.1925 - 6.5.1925	sleeve 475	
CE 124	72	1654	Clutch-Shaft	Crankless Engines Limited	20.5.1925 - 23.7.1925	sleeve 476	
CE 124	260	1701	Radiator Fan	Crankless Engines Limited	20.1.1927	sleeve 476	
CE 124	245	1682	Gear Box Bearer	Crankless Engines Limited	11.5.1925 - 21.8.1925	sleeve 477	
CE 124	244	1681	Front Cross Member	Crankless Engines Limited	23.7.1925 - 21.8.1925	sleeve 477	
CE 127		2028	Proposed Piston - Yoke Design for 100 H.P. Gas Engine (This Design Supersedes Drawings No. 1451)	Crankless Engines Limited	15.2.1926	sleeve 478	
CE 129	54	2203	Auxiliary Gear Box Cap	Crankless Engines Limited	1.9.1926 - 10.9.1926	sleeve 479	
CE 129	53	2202	Auxiliary Gear Box Body	Crankless Engines Limited	10.9.1926 - 22.9.1926	sleeve 479	
CE 129		2212	Auxiliary Gear Box (Revised Design)	Crankless Engines Limited	8.9.1926 - 16.9.1926	sleeve 480	
CE 124	299	2279	Oil Radiator Shell (Right Hand)	Crankless Engines Limited	19.1.1927 - 14.1.1927	sleeve 481	
CE 124	300	2280	Oil Radiator Shell (Left Hand)	Crankless Engines Limited	19.1.1927 - 14.1.1927	sleeve 481	
CE 124	334, 344a	2320	Fan Driving Housing, Fan Driving Housing Cap	Crankless Engines Limited	14.3.1927 - 14.3.1927	sleeve 482	
CE 119	7	887	Piston - Yoke	Crankless Engines (Aus) Pty Ltd	15.2.1924 - 19.2.1924	sleeve 483	"Cancelled Vide Drawing No. 966"
CE 119	51	972	Casing	Crankless Engines (Aus) Pty Ltd	28.5.1924 - 31.5.1924	sleeve 483	
CE 119	53	966	Piston - Yoke	Crankless Engines (Aus) Pty Ltd	14.4.1924 - 23.4.1924	sleeve 484	
CE 119	44	947	Rotary Valve	Crankless Engines (Aus) Pty Ltd	5.7.1924 - 25.7.1924	sleeve 484	
CE 118	50	1407	Body for Oil Filter	Crankless Engines (Aus) Pty Ltd	16.12.1924 - 14.1.1925	sleeve 485	Drawn JWS
CE 101	11	481	Yoke	Crankless Engines (Aus) Pty Ltd	2.5.1923 - 26.5.1923	sleeve 486	Drawn JWS

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 101	26	515	End Cover	Crankless Engines (Aus) Pty Ltd	1.6.1923 - 12.6.1923	sleeve 486	Drawn JWS
CE 101	12	508	Slant	Crankless Engines (Aus) Pty Ltd	5.6.1923	sleeve 487	
CE 101	63	592	Water Tank for Gasometer (Pressure Control)	Crankless Engines (Aus) Pty Ltd	7.7.1923 - 12.7.1923	sleeve 487	Drawn JWS
CE 101	52	564	Housing for Thrust Bearing (Inner)	Crankless Engines (Aus) Pty Ltd	7.7.1923 - 12.7.1923	sleeve 488	Drawn JWS
CE 101	33	555	Main Shaft	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 26.6.1923	sleeve 488	Drawn JWS and Traced PEI
CE 101	18	519	Inlet Valve	Crankless Engines (Aus) Pty Ltd	11.6.1923 - 14.6.1923	sleeve 489	Drawn JWS
CE 100	74	607	Piston	Crankless Engines (Aus) Pty Ltd	19.7.1923 - 27.7.1923	sleeve 490	Drawn PEI
CE 100	7	613	Yoke	Crankless Engines (Aus) Pty Ltd	27.7.1923 - 2.8.1923	sleeve 490	
CE 100	60	645	Standard for Clutch Operating Screw	Crankless Engines (Aus) Pty Ltd	20.2.1923 - 23.6.1923	sleeve 491	Drawn JWS
CE 100	111	636	Throttle Shaft Housing	Crankless Engines (Aus) Pty Ltd	7.8.1923 - 20.9.1923	sleeve 491	Drawn PEI
CE 100	137, 138	667	Starting Claw Housing, Starting Shaft Cover	Crankless Engines (Aus) Pty Ltd	29.8.1923 - 3.9.1923	sleeve 492	
CE 100	24	653	Camshaft (L.H.)	Crankless Engines (Aus) Pty Ltd	23.8.1923 - 25.8.1923	sleeve 492	
CE 100	23	652	Camshaft (R.H.)	Crankless Engines (Aus) Pty Ltd	23.8.1923 - 28.8.1923	sleeve 493	
CE 101	80	651	Oil Pump Supporting Plate	Crankless Engines (Aus) Pty Ltd	20.8.1923 - 24.8.1923	sleeve 494	Drawn JWS
CE 100	148	680	Main Shaft	Crankless Engines (Aus) Pty Ltd	3.9.1923 - 6.9.1923	sleeve 495	
CE 106 to CE 114	1, 2, 3, 4, 5, 6	706	Universal Coupling	Crankless Engines (Aus) Pty Ltd	14.9.1923 - 19.9.1923	sleeve 496	Drawn JWS
CE 100		780	Arrangement of Hopkinson Optical Indicator on 8 x 4 3/4 x 5 5/8 Crankless Gas Engine	Crankless Engines (Aus) Pty Ltd	22.10.1923 - 23.10.1923	sleeve 497	
CE 100	127	768	Magneto Drive Housing	Crankless Engines (Aus) Pty Ltd	14.10.1923 - 18.10.1923	sleeve 497	Drawn PEI
CE 100	103	728	Exhaust Manifold	Crankless Engines (Aus) Pty Ltd	29.9.1923 - 5.10.1923	sleeve 498	Drawn PEI
CE 100	159	727	Vertical Exhaust Connection	Crankless Engines (Aus) Pty Ltd	28.9.1923 - 4.10.1923	sleeve 498	Drawn PEI
CE 100	79, 79a	712	Outer Bearing Cap (Front), Outer Bearing Cap (Rear)	Crankless Engines (Aus) Pty Ltd	15.9.1923 - 18.9.1923	sleeve 499	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 100	81, 81a	711	Outer Bearing base (Front), Outer Bearing Base (Rear)	Crankless Engines (Aus) Pty Ltd	14.9.1923 - 18.9.1923	sleeve 499	
CE 101		817	External General Arrangement of Crankless Gas Booster	Crankless Engines (Aus) Pty Ltd	4.12.1923 - 2.1.1924	sleeve 500	
CE 101	199	981	End Cover	Crankless Engines Limited	29.4.1924	sleeve 500	Drawn PEI
CE 101	192, 193, 202, 203	975	Delivery Valve (Inner), Delivery Valve (Outer), Deliver Valve (Inner) for 5lbs Pressure, Delivery Valve (Outer) for 5 lbs Pressure	Crankless Engines Limited	14.4.1924 - 15.4.1924	sleeve 501	Drawn PEI
CE 101	238	1251	End Plate	Crankless Engines (Aus) Pty Ltd	20.10.1924 - 23.10.1924	sleeve 501	
CE 100		1054	Assembly of Hand Starting Gear	Crankless Engines (Aus) Pty Ltd	16.7.1924 - 12.8.1924	sleeve 502	
CE 101	235	1130	Main Shaft	Crankless Engines (Aus) Pty Ltd	20.6.1923 - 31.10.1923	sleeve 503	Drawn JWS
CE 101	220	1128	Piston	Crankless Engines (Aus) Pty Ltd	22.9.1924 - 23.9.1924	sleeve 503	
CE 100	271	1257	Bedplate for 50 K.W. Generator	Crankless Engines (Aus) Pty Ltd	4.11.1924 - 6.11.1924	sleeve 504	
CE 100		1453	General Arrangement of Piston - Yoke Unit for 8 x 9.375 x 8.08 Stroke Crankless Gas Booster	Crankless Engines (Aus) Pty Ltd	31.1.1925 - 9.2.1925	sleeve 504	
CE 21	42	482	Oil-Heated Induction Pipe (Aub-Assembly)	Crankless Engines (Aus) Pty Ltd	15.5.1923 - 19.5.1923	sleeve 505	Drawn and Traced PEI
CE 24	1	646	Piston - Yoke	Crankless Engines (Aus) Pty Ltd	17.8.1923 - 21.8.1923	sleeve 506	Drawn PEI
CE 24	3	668	Front Guide Bar Plate	Crankless Engines (Aus) Pty Ltd	28.8.1923 - 3.9.1923	sleeve 506	Drawn PEI
CE 25		911	Assembly of Clutch and Self Starter Gear on Buick	Crankless Engines (Aus) Pty Ltd	4.2.1924 - 10.3.1924	sleeve 507	Drawn PEI
CE 25	37, 38, 39	878	Sub-Frame Tube, Front Anchorage Plate, Reinforcing Plate	Crankless Engines (Aus) Pty Ltd	13.2.1924 - 15.2.1924	sleeve 507	Drawn and Traced PEI
CE 153	37	2375	Cylinder Block	Crankless Engines Limited	25.3.1927 - 1.4.1927		
CE 25	36	877	Gear Box Rear Support	Crankless Engines (Aus) Pty Ltd	12.2.1924 - 13.2.1924	sleeve 508	Drawn PEI
CE 25	24	857	Clutch Housing	Crankless Engines (Aus) Pty Ltd	30.1.1924 - 1.2.1.1924	sleeve 508	Drawn PEI
CE 170		2791	Modification to Booster Gland of National-Waller Units. Met. Gas Co. Sth. Melb.	Crankless Engines Limited	31.8.1928 - 21.9.1928	sleeve 509	
CE 170	2	2792	Stuffing Box Alterations to Waller Crankless Booster Metrop. Gas Co. Sth. Melb.	Crankless Engines Limited	19.8.1928 - 21.9.1928	sleeve 509	
CE 170	16	2834	Arrangement of Slant Oil Jets, Slant Oil Jets	Crankless Engines	11.8.1928 - 9.10.1928	sleeve 510	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
				Limited			
CE 170		2837	Slipper Tail, Distance Piece, Guide Block	Crankless Engines Limited	22.10.1928	sleeve 510	
CE 170		2842	Alt. to National Crankless Gas Engine Sio. Met. Gas Co. Sth. Melb. Cylinder Block (Top Half_	Crankless Engines Limited	24.10.1928 - 25.10.1928	sleeve 511	
CE 170		2848	Modified Oil Cooler and Tank for 280 National Crankless Gas Engine	Crankless Engines Limited	12.11.1928	sleeve 511	
CE 162	3	2582	Alterations to Piston Yoke Seat for Peripheral Slippers	Crankless Engines Limited	19.9.1927 - 9.3.1928	sleeve 512	
CE 163	3, 9, 10, 46	2587	Piston Yoke, Slipper Pad, Slipper Cup, Piston Locking Pin	Crankless Engines Limited	21.9.1927 - 14.2.1928	sleeve 513	
CE 161	30	2605	Bedplate	Crankless Engines Limited	29.9.1927 - 7.2.1928	sleeve 514	
CE 163	1	2618	Main Shaft	Crankless Engines Limited	1.10.1927 - 14.2.1928	sleeve 515	
CE 162		2690	Timing Diagram for Diesel Engine	Crankless Engines Limited	4.11.1927 - 30.12.1927	sleeve 516	
CE 162		2799	Sketch Showing Balance Weights Required on McDonald Diesel Engine	Crankless Engines Limited	13.7.1928 - 22.4.1928	sleeve 516	
CE 169		2793	G. A. of Modified Lubricating Pumps for 280 H.P. National-Waller Booster Sets	Crankless Engines Limited	3.9.1928 - 21.9.1928	sleeve 517	
CE 161		2754	Control Switch for Automatic Water Pump	Crankless Engines Limited	30.12.1927 - 1.3.1928	sleeve 518	
CE 150		2199	Air Silencer	Crankless Engines Limited	26.8.1926 - 28.8.1926	sleeve 519	Drawn PEI
CE 151		2215	Preliminary External General Arrangement - Motor Driven Water Pump	Crankless Engines Limited	30.9.1926 - 14.11.1927	sleeve 520	
CE 152		2219	General Arrangement of Model Crankless Air Compressor	Crankless Engines Limited	14.10.1926 - 28.10.1926	sleeve 521	
CE 153	35	2274	Sleeve Valve	Crankless Engines Limited	23.12.1926 - 14.1.1927	sleeve 522	
CE 156	3	2309	Piston Yoke	Crankless Engines Limited	23.2.1927 - 25.2.21927	sleeve 523	
CE 155	7	2300	Base of Milling Jig	Crankless Engines Limited	7.2.1927 - 16.3.1927	sleeve 524	
CE 155	1	2299	Milling Fixture Madrel	Crankless Engines Limited	3.2.1927 - 4.2.1927	sleeve 524	
CE 157	2	2319	Main Shaft	Crankless Engines Limited	8.3.1927 - 14.3.1927	sleeve 525	
CE 153	38a, 38b, 38c	2345	Cylinder Head No. 1, Cylinder Head No. 2, Cylinder Head No. 3	Crankless Engines Limited	30.3.1927 - 14.4.1927	sleeve 526	
CE 157	19, 20	2344	Cylinder Head R.H., Cylinder Head L.H.	Crankless Engines Limited	28.2.1927 - 20.4.1927	sleeve 527	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 157	23	2336	Inlet Valve	Crankless Engines Limited	15.3.1927 - 18.3.1927	sleeve 527	
CE 157	1	2331	Slant	Crankless Engines Limited	9.3.1927 - 12.3.1927	sleeve 528	
CE 153	3, 3a, 4	2349	Piston-Yoke, Yoke Back Plate, Piston-Yoke Shim	Crankless Engines Limited	8.4.1927 - 19.4.1927	sleeve 529	"Cancelled Vide Drawing No. 2555"
CE 153	57	2382	Clutch and Rear Bearing Housing	Crankless Engines Limited	9.4.1927 - 19.4.1927	sleeve 529	
CE 153	3a, 4, 76, 77	2555	Yoke Back Plate, Piston-Yoke Shim, Yoke (Revised Design), Piston (Revised Design)	Crankless Engines Limited	8.4.1927 - 3.2.1928	sleeve 530	
CE 156	2	2513	Slant	Crankless Engines Limited	9.7.1927 - 22.11.1927	sleeve 531	
CE 156	123	2511	Water Pump Body	Crankless Engines Limited	19.11.1927 - 21.1.1928	sleeve 531	
CE 156	117	2501	Engine Support (Front)	Crankless Engines Limited	3.2.1928 - 14.2.1928	sleeve 532	
CE 156	1	2490	Main Shaft	Crankless Engines Limited	4.7.1927 - 22.11.1927	sleeve 532	
CE 156	94	2487	Oil Sump	Crankless Engines Limited	29.6.1927 - 16.8.1927	sleeve 533	
CE 156	195, 248, 249	2561	Oil Radiator Shell, Oil Radiator Supporting Bracket (Top), Oil Radiator Supporting Bracket (Bottom)	Crankless Engines Limited	7.11.1927 - 21.1.1928	sleeve 533	
CE 156	227	2606	Oil Pipe to Auxiliary Drive Housing	Crankless Engines Limited	29.9.1927 - 1.2.1928	sleeve 534	
CE 156	236, 237	2698	Exhaust Pipe (R.H.), Exhaust Pipe (L.H.)	Crankless Engines Limited	8.11.1927 - 10.12.1927	sleeve 534	
CE 156	244, 245, 246	2716	Rear Engine Support Braket (R.H.), Rear Engine Supoport Bracket (L.H.), Packing Piece for Part No. 156-244 and 156-245	Crankless Engines Limited	9.12.1927 - 4.1.1928	sleeve 535	
CE 156		2718	Sketch Showing Alteration to Position of Engine Supporting Cross-Member and Position of Front Support	Crankless Engines Limited	22.12.1927 - 1.2.1928	sleeve 535	
CE 153		2731	Layout of Pressure Oil Pipes	Crankless Engines Limited	5.1.1928 - 31.1.1928	sleeve 536	
CE 158		2434	Michell Thrust Bearing for Messrs Hawke and Co., Adelaide	Crankless Engines Limited	27.5.1927 - 7.2.1928	sleeve 537	
CE 142	1	1877	Slant	Crankless Engines Limited	6.11.1925 - 7.11.1925	sleeve 538	Drawn JWS
CE 142	25	1869	Compressor Cylinder Head	Crankless Engines Limited	28.10.1925 - 4.11.1925	sleeve 538	Drawn JWS
CE 140		1868	Layout of Exhaust Pipes for Combined Crankless Two Stroke Petrol Engine - Air Compressor Unit	Crankless Engines Limited	28.10.1925 - 30.10.1925	sleeve 539	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 142	3a	1845	Booster Piston	Crankless Engines Limited	1.10.1925 - 23.10.1925	sleeve 540	Drawn JWS
CE 140		1835	Layout of Auxiliary Gear Box and Oil Pump for Two Stroke - Air Compressor Unit	Crankless Engines Limited	16.9.1925 - 19.10.1925	sleeve 541	
CE 140	2	1822	Main Shaft	Crankless Engines Limited	14.10.1925 - 20.10.1925	sleeve 541	Drawn and Traced PEI
CE 140	61	1819	Tappet Guide Housing	Crankless Engines Limited	14.10.1925 - 20.10.1925	sleeve 542	
CE 140	44	1808	Compressor Head	Crankless Engines Limited	9.10.1925 - 13.10.1925	sleeve 542	
CE 140	1	1806	Slant	Crankless Engines Limited	28.9.1925 - 13.10.1925	sleeve 543	Drawn and Traced PEI
CE 140	41	1803	Suction Chamber	Crankless Engines Limited	5.10.1925 - 13.10.1925	sleeve 543	
CE 140	23	1783	Thrust Bearing Housing	Crankless Engines Limited	28.9.1925 - 12.10.1925	sleeve 544	
CE 140	4	1774	Yoke	Crankless Engines Limited	29.9.1925 - 3.10.1925	sleeve 544	Drawn and Traced PEI
CE 142	20	1898	Yoke Guide	Crankless Engines Limited	19.11.1925 - 20.11.1925	sleeve 545	
CE 142	26	1891	Rotary Valve	Crankless Engines Limited	10.10.1925 - 17.11.1925	sleeve 545	Drawn JWS
CE 142	59	1888	Induction Chamber	Crankless Engines Limited	13.11.1925 - 17.11.1925	sleeve 546	
CE 142	2	1887	Main Shaft	Crankless Engines Limited	14.10.1925 - 14.11.1925	sleeve 546	Drawn JWS
CE 146	19	2015	Dash Pot Casting	Crankless Engines Limited	30.12.1925 - 14.1.1926	sleeve 547	
CE 146	7	2007	Speed Governor Housing	Crankless Engines Limited	7.1.1926 - 14.1.1926	sleeve 547	
CE 147	1	1995	Oil Strainer Body	Crankless Engines Limited	22.12.1925 - 7.1.1926	sleeve 548	
CE 146	1	1972	Gas Mixer Body	Crankless Engines Limited	21.12.1925 - 29.12.1925	sleeve 549	
CE 146	2	1971	Gas Mixer Fixed Sleeve	Crankless Engines Limited	23.12.1925 - 29.12.1925	sleeve 549	
CE 142	42	1953	Cam Housing	Crankless Engines Limited	12.12.1925 - 14.12.1925	sleeve 550	
CE 142	44, 44a	1948	Inlet Valve Cage, Exhaust Valve Cage	Crankless Engines Limited	10.12.1925 - 12.12.1925	sleeve 550	
CE 142	41	1947	Main Shaft Sporcket Housing	Crankless Engines Limited	9.12.1925	sleeve 551	
CE 145	2	1941	Water Pump Body (Inlet Side)	Crankless Engines Limited	31.2.1925 - 8.12.1925	sleeve 552	
CE 145	1	1940	Water Pump Body (Gland Side)	Crankless Engines Limited	31.2.1925 - 8.12.1925	sleeve 552	
CE 142	4	1905	Yoke	Crankless Engines Limited	4.11.1925 - 25.11.1925	sleeve 553	

C.E. number	Part Number	Drawing number	Title	Company	Date Range	Location	Notes
CE 144	31, 31a	2033	Auxiliary Cross Shaft, Distance Piece for Part No. 144-31	Crankless Engines Limited	9.1.1926 - 15.1.1926	sleeve 554	
CE 149	2	2189	Cylinder	Crankless Engines Limited	1.8.1926 - 22.4.1929	sleeve 555	Drawn PEI
CE 148	100, 100a	2227	Modified Cylinder Head (R.H.), Modified Cylinder Head (L.H.)	Crankless Engines Limited	27.10.1926 - 6.12.1926	sleeve 556	
CE 148		2261	Sktech Showing Modifications to Slant	Crankless Engines Limited	7.1.1927 - 14.1.1927	sleeve 556	
CE 148	21, 21a	2133	Cylinder Head, Cylinder Head	Crankless Engines Limited	16.3.1926 - 30.4.1926	sleeve 557	
CE 148		2703	End Bearing Lubrication of Machine No. 39	Crankless Engines Limited	30.7.1926 - 13.8.1926	sleeve 557	
CE 143	83, 83a	2075	Slantcase Coverplate, Slantcase Coverplate with Breather	Crankless Engines Limited	6.1.1926 - 12.2.1926	sleeve 558	
CE 148	1	2118	Slant	Crankless Engines Limited	9.7.1926 - 21.7.1926	sleeve 559	
CE 148	2	2119	Main Shaft	Crankless Engines Limited	13.5.1926 - 19.5.1926	sleeve 559	
CE 142		2158	Sketch Showing Coupling of Combined Crankless Gas Engine - Booster Set	Crankless Engines Limited	9.6.1926 - 14.6.1926	sleeve 560	
CE 144		2169	Auxiliary Gear Box	Crankless Engines Limited	10.8.1926 - 18.9.1926	sleeve 561	Drawn PEI
CE 142		2178	Sketch Showing Fitting of Automatic Finger Valves to Rotary Valve	Crankless Engines Limited	11.9.1926 - 13.9.1926	sleeve 562	
CE 149	4	2184	Piston	Crankless Engines Limited	14.3.1928 - 22.4.1929	sleeve 563	
CE 17	162, 163, 164	456	View of Seating Face	C.E.L	05.03.1923	sleeve 14	

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