

Workshop Series



LOOK INSIDEE

THE MORRIS MINI RANGE
DISTRIBUTOR GUIDE
1961 - 1982

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Chapter 1. Introduction

The distributors used in the Mini and Moke range for vehicles produced in Australia were manufactured by Joseph Lucas, in either UK or Australia.

Several different types of distributors were made by Lucas. For the Australian Mini and Moke range, the most common types are 25D4, 29D4, 43D4 and 45D4. The distributor Type usually indicates the overall design of the distributor such as the way the vacuum advance is attached, or the centrifugal weights are located. In most cases, the last digit of the Type is the number of cylinders that are served (not DM2, for example).

Individual distributor models are identified by what is called a "Despatch Number". Generally speaking, the Despatch Number is a five-digit number beginning with the numeral 4, and sometimes comes with a character suffix, e.g. 40955A. The suffix usually indicates a minor change to the particular distributor model. Some despatch numbers in Australia use an eight character despatch number, also with an optional suffix, e.g. 62941051A. The last four numerics do not appear to correspond with the equivalent four digit despatch number. That is, despatch 62941045 is not equivalent to despatch 41045.

Different types of distributor may have many despatch numbers allocated, each designating an advance curve, or some other major feature (such as the lack of vacuum advance).

The Despatch Number may often be given a BMC Part No. but not always.

Sometimes different Despatch Numbers have the same specifications. Sometimes the correspondence between the Despatch Number and the BMC Part No. is not confirmed, but the specifications appear consistent. In the reference table and specifications given in Chapters 2 and 3, where there is a Despatch Number or a Part Number given in brackets, this indicates that the data indicates that the Despatch Number is equivalent to the Part Number or drawing shown based on the data obtained from several sources, but this is not confirmed from a parts list or other factory document.

It is noted that some factory information in Service Bulletins and Service Parts books is inconsistent.

Where data in the table is identified as being sourced from Lucas Documentation, this is primarily "Equipment Specifications for Australian Vehicles 1950-1067" Joseph Lucas (Australia) Pty Ltd" or "Manufacturers' Distributor Advance Specifications" Vane Electrical Instruments Pty Ltd.

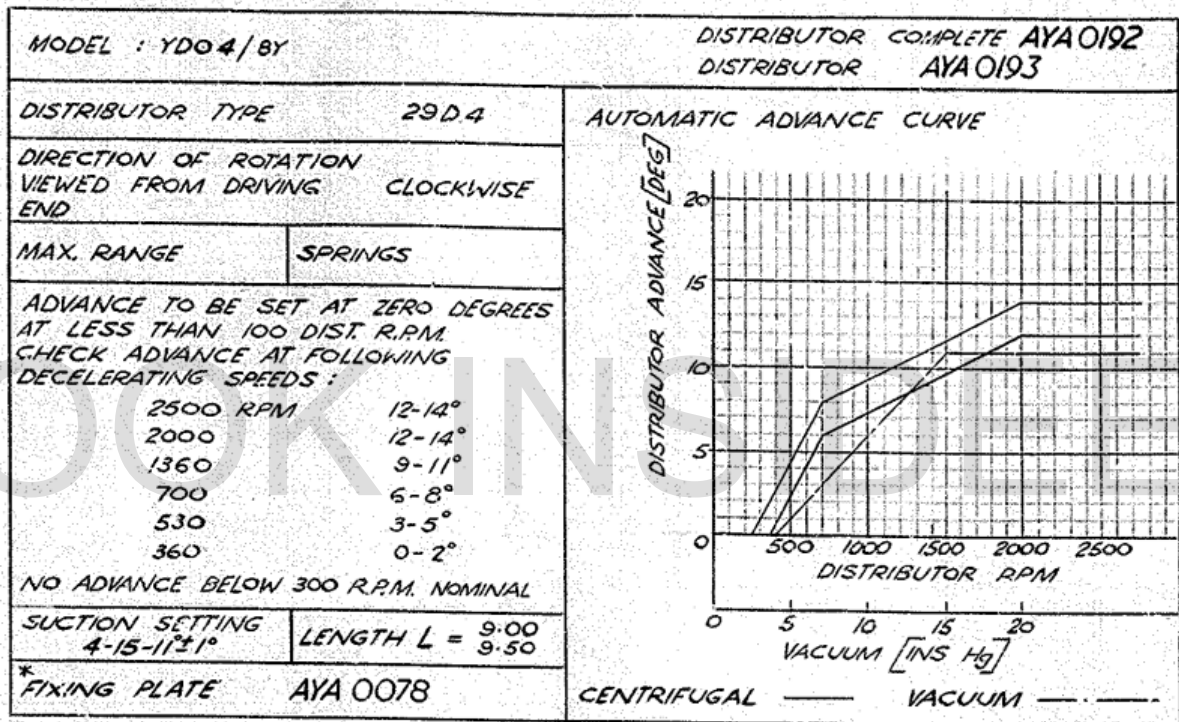
2.4 Morris Mini Deluxe, Morris Mini-Matic

Model	Type	Part No	Date	Replacement	DWG No	Application	Reference
YDO5	25D4	41057 (AYA75)	17/7/1964	62941044 replaces 41057	(AYG53)	9YA	PUB1056M, PUB1011M TP132A. Centrifugal advance figures match but vacuum do not. Data given in TP132A are suspect.
YDO5	25D4	62941044 (AYA118)	1965	was 41057	(AYG72)	(to 9YA/Ta/H 30503)	No listing in parts book
YDO5	25D4	AYA142	11/1965		AYG72	9YA	No listing in parts book.
YDO5	25D4	AYA171	10/1965		AYG101	9YA	No listing in parts book
YDO5	29D4	62041020	1967	use 62941052A	No data	from 9YA/Ta/H 30504	PUB1056M, PUB1011M
YDO5	29D4	62041034A	1967	use 62941052A	No data	from 9YA/Ta/H 30505 onwards	PUB1056M, PUB1011M (9AG?)
YDO5	29D4	62941052 41045 AYA194	10/1966		MYH213	9YA	TP132A (Note: TP132A shows 62941052 has same specs as 41045/AYA194)
YDO5 Mini-Matic	29D4	62941069A AYA200	1968-1969		MYH213	9AN	SB C51/67 TP132A
2/YDO5	29D4	62041021 (AYG156)			MYH213	10YB 10YC	PUB1056M (Note ADO16 10Y uses AYG156)
2/YDO5	29D4	62941053A AYG156	1969-1970		MYH213	10YB 10YC	TP132A
2/YDO5 Mini-Matic	29D4	62941072A	1969-1970		No data	99H	Lucas documentation

3.27 62941051A AYA192

AYA192

Deg	RPM
12-14	2500
12-14	2000
9-11	1360
6-8	700
3-5	530
0-2	360
0	100
4-15-11	Vacuum



4.4 29D4

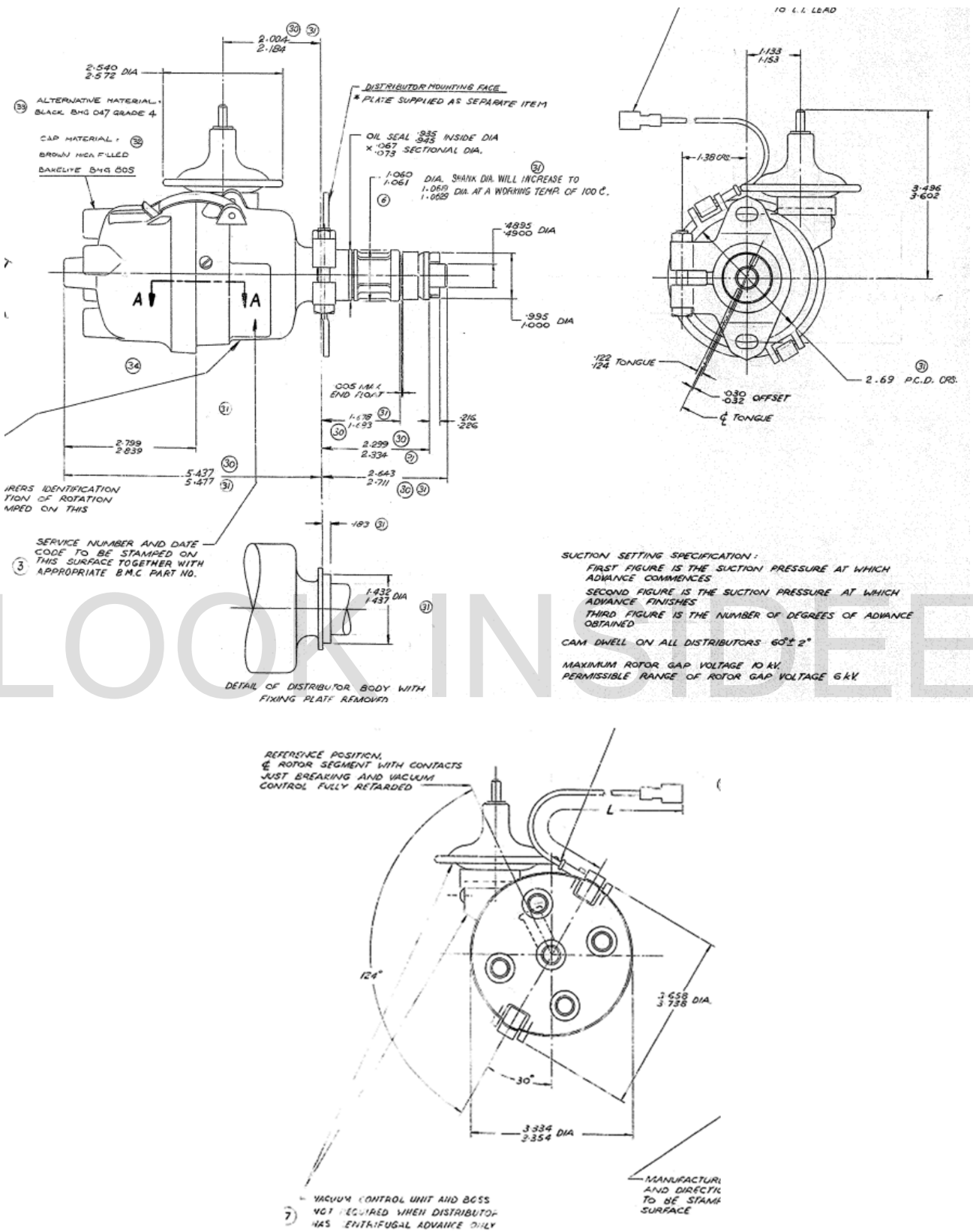


Fig. 4.4 29D4 (MYH213).