



## J2 TECHNICAL ARTICLE

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### SERVICE INFORMATION SHEET NO. 6 - SERVICE PISTON SIZES

The following information regarding piston sizes and oversizes has been compiled to assist the ordering and resulting prompt dispatch of pistons for service requirements.

Cylinder block bore sizes are divided in A, B, C, and D groups, being the smallest bore. These groups are sub-divided for intermediate sizes as will be seen in the following tables.

#### MARK I and MARK II MODELS

The part Number for the piston (Common to both models is P151/144

The working clearence of the piston is 0.13mm.

	Bore Dia.	Piston Size		Bore Dia.	Piston Size
A GROUP	69.00mm	A-13	B GROUP	69.25mm	B-13
	69.01mm	A-12		69.26mm	B-12
	69.02mm	A-11		69.27mm	B-11
	69.03mm	A-10		69.28mm	B-10
	69.04mm	A- 9		69.29mm	B- 9
	69.05mm	A- 8		69.30mm	B- 8
	69.06mm	A- 7		69.31mm	B- 7
	69.07mm	A- 6		69.32mm	B- 6
	69.08mm	A- 5		69.33mm	B- 5
	69.09mm	A- 4		69.34mm	B- 4
	69.10mm	A- 3		69.35mm	B- 3
	69.11mm	A- 2		69.36mm	B- 2
	69.12mm	A- 1		69.37mm	B- 1
69.13mm	A- 0	69.38mm	B- 0		

In continuance, C and D groups follow in same manner

Piston C-13 and D-13 suit diameters 69.50mm and 69.75mm respectively.

M., D., J., K., L., PA., N., KN. and PB. Types, not including racing engines

Apart from special racing and supercharged engines, which have special pistons to suit, the groups for the production types referred to above (next page) all have a normal cylinder bore

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diameters of 57mm, except the PB. model, which has a 60mm bore. These are subdivided in a different manner than for the MARK I and MARK II. models.

The following is a list of piston sizes in the A group with the corresponding cylinder bore size:

Piston size	57mm	60mm (PB only)
AX	2.2430 inch	2.3620 inch
AY	2.2435	2.3625
AZ	2.2440	2.3630
AZ 1	2.2450	2.3640
AZ 2	2.2460	2.3650
AZ 3	2.2470	2.3660
AZ 4	2.2480	2.3670
AZ 5	2.2490	2.3680
AZ 6	2.2500	2.3690
AZ 7	2.2510	2.3700

The range of the piston sizes in the B, C, and D groups follows in the same manner as the A group give above, with BX, 0.010 inch above AX cylinder bore size, CX, 0.010 above BX cylinder bore size, etc., in both 57mm and 60mm classes as follows:

BX	2.2530 inch	2.3720 inch
CX	2.2630	2.3820
DX	2.2730	2.3920

The part Numbers of the pistons used in the production of these models are: M., D., J1, J2, (up to engine NO.1674 A.J.) :

F Type: P.110/127 (non-compensating type)  
P.287/188 (non-compensating type)

K., I., PA., N., KN, and J1 and J2 (commencing engine No 1675AJ)  
MG 363/4 (compensating type)  
PB type: MG 636/2 (compensating type)

The working clearance of the non-compensating type of piston is 0.003 inch, .004 when cold.

The working clearance of the compensating type of piston is 0.0025 inch, .0035 when cold.

The clearances are taken at the thrust side of the skirt in each case.