

SERVICE SHEET No. 704

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ALL MODELS PISTON CLEARANCES

To avoid the possibility of seizure or piston tap, pistons must be fitted with adequate but not excessive clearance.

The following are the recommended total clearances between the bottom of the piston and the cylinder wall.

		MODEL	Tolerances
Dandy 70	...	7.25 : 1	.003—.004"
D1	...	...	.0027—.0045"
D3, C15	...	...	.0025—.004"
D5, D7	...	...	.003—.005"
C10, C10L	...	...	.0045—.0065"
C11, C11G, C12	...	...	.0035—.0055"
C15	(Star Group)	6.4 : 1 to 10 : 1	.0017—.0033"
B31	...	...	.004—.0055"
B31	(Split skirt)	...	.0005—.0033"
B32A	...	...	.002—.004"
BB32	Gold Star	8 : 1	.003—.0045"
		6.5 : 1	.004—.0055"
		7.5 : 1	.002—.004"
		9 : 1	.003—.0045"
CB32	Gold Star	6.5 : 1	.002—.004"
		8 : 1	.003—.0045"
		8.5 : 1	.003—.0045"
		9 : 1	.003—.0045"
		12.25 : 1	.004—.0055"
		13 : 1	.004—.0055"
DB32	Gold Star	7.25 : 1	.0025—.004"
		8 : 1	.003—.0045"
		9 : 1	.003—.0045"
B40	(Star Group)	7.0 : 1 to 8.7 : 1	.0015—.003"
B33	...	...	.0045—.0065"
B33	(Split skirt)	...	.0006—.00275"
B34A	...	...	.0045—.0065"
BB34	Gold Star	7.1 : 1 Standard	.0045—.0065"
		8 : 1	.0025—.0045"
		9 : 1	.0025—.0045"
		6.8 : 1	.0045—.0065"
		11 : 1	.0025—.0045"
CB34	Gold Star	7.25 : 1	.003—.0045"
		8 : 1	.003—.0045"
		9 : 1	.003—.0045"
DB34	Gold Star	8 : 1	.003—.0045"
DBD34	Gold Star	8.75 : 1	.003—.0045"

B.S.A Service Sheet No. 704 (contd.)

											MODEL	Tolerances
M20	...	...	...	...	...	...	...	...	...	...	...	.004—.006"
M21	...	...	...	...	...	...	...	...	...	...	...	.004—.006"
M33	...	...	...	...	...	...	...	...	...	...	...	.0045—.0065"
M33										(Split skirt)	...	.0006—.00275"
A7	...	...	...	...	...	...	6.7 : 1	...	...	...	...	.002—.004"
							(Split skirt)	...	...	6.7 : 1	...	.0011—.0031"
										7.25 : 1	...	.002—.004"
							(Split skirt)	...	...	...	...	.0011—.0031"
A7							(Star Twin)	...	...	...	...	.002—.004"
A7							(Split skirt)	...	...	(Star Twin and Shooting Star)	...	.001—.0031"
A7							(Shooting Star)	...	8 : 1 (after Engine No. CA7SS-4501)	...	...	.0035—.005"
A50							(Star Twin)	...	8.0 : 1 to 9.0 : 1	...	...	.0011—.0025"
A10							(Golden Flash)	...	6.5 : 1	...	...	.003—.0045"
							(Split skirt)	...	6.5 : 1	...	...	.0025—.0045"
							(Split skirt)	...	7.25 : 1	...	...	.0025—.0045"
							(Super Flash and					
A10							Road Rocket)	...	8 : 1	...	...	.003—.0045"
A10							(Golden Flash)	...	7.5 : 1 (after Engine No. DA10-651)	...	...	.0035—.005"
A10							(Super Rocket)	...	8.5:1 (after Engine No. CA10R-6001)	...	...	.004—.0055"
A10							(Rocket Gold Star)	...	8.75 : 1	...	...	.001—.0025"
A65							(Star Twin)	...	7.5 : 1 to 9.0 : 1	...	...	.0012—.0027"