

BSA 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
D1	...	...	.0027"/.0045"
D3, C15	...	...	.0025"/.004"
D5, D7	...	...	.003"/.005"
C10, C10L	...	...	.0045"/.0065"
C11, C11G, C12	...	...	.0035"/.0055"
B31	...	...	.004"/.0055"
B31.	(Split skirt)	...	.0005"/.0016"
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"
B33	...	...	.0045"/.0065"
B33.	(Split skirt)	...	.0006"/.00275"
B34A	...	...	.0045"/.0065"
BB34.	Gold Star	7.5 : 1 Std.	.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"
M20	...	...	.004"/.006"
M21	...	...	.004"/.006"
M33	...	...	.0045"/.0065"
M33.	(Split skirt)	...	.0006"/.00275"

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

A7	...	...	6.7 : 1 ...	...	...	...	...	.002"/.004"
	(Split skirt)	...	6.7 : 1 ...	...	...	...	...	.0011"/.0031"
		...	7.25 : 1	...	...	...	...	.002"/.004"
	(Split skirt)	...	7.25 : 1	...	...	...	...	.0011"/.0031"
A7.	(Star Twin)	...	...	...	...	...	...	.002"/.004"
A7.	(Split skirt)	...	(Star Twin and Shooting Star)	...	...	...	...	.0011"/.0031"
A10.	(Golden Flash)	...	6.5 : 1 ...	...	...	...	...	.003"/.0045"
	(Split skirt)	...	6.5 : 1 ...	...	...	...	...	.0025"/.0045"
	(Split skirt)	...	7.25 : 1	...	...	...	...	.0025"/.0045"
A10.	(Super Flash and Road Rocket).	...	8 : 1 ...	...	...	...	...	.003"/.0045"
A7.	(Shooting Star)	...	8 : 1 (after Engine No. CA7S.S.4501)	...	...	...	...	.0035"/.005"
A10.	(Golden Flash)	...	7.5 : 1 (after Engine No. DA10-651)	...	...	...	...	.0035"/.005"
A10.	(Super Rocket)	...	8.5 : 1 (after Engine No. CA10R6001)	...	...	...	...	.004"/.0055"
Dandy 70	...	...	7.25 : 1 ...	...	...	...	...	.003"/.004"8