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SERVICE SHEETS

BSA SERVICE SHEET No. 702

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All Models

WORKSHOP DATA

ENGINE, BUSH AND SHAFT DIAMETERS

(All Dimensions in Inches, after Reaming or Grinding)

	D1	C10, C11	B31, B32	M33, B33, B34	M20, M21	A7 Up to Engine No. ZA7 11192	A7 On and After Engine No. AA7 101.	A10
Overhead Rocker Arm	— —	.569 .567 C10 only	.562 .563	.562 .563	— —	.4995 .5005	.4995 .5005	.4995 .5005
Inlet Valve Guide ..	— —	.313 .314	.313 .314	.3255 .3515	.3525 .3515	.313 .314	.313 .314	.313 .314
Exhaust Valve Guide	— —	.313 .314	.352 .353	.3785 .3795	.3525 .3535	.313 .314	.313 .314	.313 .314
Inlet Tappet Guide	— —	.3125 .3135 C10 only	.3745 .3755	.3745 .3755	.3745 .3755	.3125 .3135	— —	— —
Exhaust Tappet Guide	— —	.3125 .3135 C10 only	.3745 .3755	.3745 .3755	.3745 .3755	.3125 .3135	— —	— —
Cam Pinion Bush ..	— —	— —	.6255 .6245	.6255 .6245	.6255 .6245	— —	— —	— —
Cam Shaft Bush ..	— —	.687 .688	— —	— —	— —	.7485 .7495	.7485 .7495	.7485 .7495
Idler Pinion Shaft Bush	— —	— —	— —	— —	— —	.7485 .7495	.7485 .7495	.7485 .7495
Idler Pinion Bush ..	— —	— —	.7505 .7495	.7505 .7495	.7505 .7495	.7485 .7495	.7485 .7495	.7485 .7495
Cam Shaft Bush T/Cover	— —	1.0005 .9995	— —	— —	— —	— —	— —	— —
Crankshaft Bush G/S.	— —	.983 .982	— —	— —	— —	1.375 1.3745	1.375 1.3745	1.375 1.3745
Conrod Big End ..	— —	— —	1.7704 1.7702	1.7704 1.7702	1.7704 1.7702	1.4495 1.4500	1.4495 1.4500	1.4495 1.4500
Gudgeon Pin Bush	.4697 .4692	.6255 .625	.7506 .7503	.7506 .7503	.7506 .7503	.6881 .6878	.6881 .6878	.7506 .7503

GEARBOX—BUSH DIAMETERS**(All Dimensions in Inches, after Reaming or Grinding)**

	D Group	C Group	B Group 1945/48	M Group 1945/48	A Group	B & M 1949 on
Pinion Sleeve	.4975	—	.7505	.8755	.812	.8755
Bush	.4965	—	.7495	.8745	.813	.8745
Layshaft Bush ..	.501	—	.687	.687	.687	.687
(Shell) ..	.500	—	.688	.688	.688	.688
Mainshaft Bush	—	.751	.687	—	—	—
(I/Cover) ..	—	.752	.688	—	—	—
Layshaft Bush	—	—	—	.687	.7495	.687
(K/S Quadrant)	—	—	—	.688	.7505	.688
Layshaft	—	—	.8125	.8765	.7495	.8765
1st Gear Bush	—	—	.8135	.8755	.7505	.8755
Layshaft	—	.562	—	—	—	—
Pinion/s Bush	—	.563	—	—	—	—
M/Shaft 3rd	—	—	.9375	1.0005	—	1.0005
L/Shaft 2nd	—	—	.9385	1.0015	—	1.0015
Gear Bush	—	—	—	—	—	—
K/S Quadrant	—	.9995	1.1245	—	.561	—
Bush I/Cover	—	1.0005	1.1255	—	.563	—
K/S Quadrant	—	.812	.812	1.187	.7495	1.187
Bush O/Cover	—	.813	.813	1.188	.7505	1.188
Control Shaft	—	—	.562	.562	—	.562
Bush (Shell)	—	—	.563	.563	—	.563
Control Shaft	—	.689	—	.562	—	.562
Bush (I/Cover)	—	.688	—	.563	—	.563
Control Quadrant	—	—	—	.562	—	.562
Bush (I/Cover)	—	—	—	.563	—	.563
Pedal Spindle	—	.7495	.6245	.6245	.467	.6245
Bush (I/Cover)	—	.7505	.6255	.6255	.468	.6255
Pedal Spindle	—	.7495	.8754	.8754	.6245	.8745
Bush (O/Cover)	—	.7505	.8755	.8755	.6255	.8755
Speedo Spindle	—	—	.218	—	.218	.218
Small Bush ..	—	—	.219	—	.219	.219
Speedo Spindle	—	—	.281	—	.281	.281
Long Bush ..	—	—	.282	—	.282	.282
Clutch Push Rod	—	.275	—	—	—	—
Bush	—	.258	—	—	—	—