

ENGINE DATA

	D1	D7	C15	C15SS80
Valve timing: (deg.) I.O. before T.D.C.	—	—	26	51
I.C. after B.D.C.	—	—	70	68
E.O. before B.D.C.	—	—	61½	78
E.C. after T.D.C.	—	—	34½	37
Tappet clearance for valve timing (in.)	—	—	.020	.015
Ignition timing: Piston distance before T.D.C. with points just opening (A, fully advanced; R, fully retarded) (in.)	5/32	1/16	1/16R	1/16R
Contact breaker points (in.) ... (mm.)	.015 4	.015 1.6	.015 1.6	.015 1.6
Ignition control ... (mm.)	.38	.38	.381	.381
Crankshaft (deg.)	Fixed	Fixed	Automatic	Automatic
Tappet clearances (cold) Inlet. (in.)	26½	17	15.5R	15.5R
Exhaust. (mm.)	—	—	.008	.008
(in.)	—	—	.203	.203
(mm.)	.078	.078	.010	.010
(in.)	—	—	.254	.254
Piston rings—Plain (2 off) ...	*.093 x .078	*.093 x .078	†.062 x .111	†.062 x .111
Oil control (1 off) ...	—	—	.125 x .097	.125 x .097
Piston ring gap—Plain (in.) ...	.009/.013	.009/.013	.009/.013	.009/.013
Oil control (in.) ...	—	—	.009/.013	.009/.013
Valve springs (free length) † or —1/64	—	—	1½	1½
Inner. (in.) ...	—	—	41.3	38.1
(mm.) ...	—	—	2-1/32	1.67
Outer. (in.) ...	—	—	51.6	42.4
(mm.) ...	—	—	1½	1½
Exhaust pipe diameter (in.) ...	1½	1½	1½	1½
(mm.) ...	34.9	34.9	35	35

*These rings are specially stepped at the locating pegs.
†The lower ring is tapered.

C15T	C15S	B40	A50	A65	A10SR
51	51	26	40	40	51
68	68	70	60	60	68
78	78	61½	65	65	78
37	37	34½	35	35	37
.015	.015	.020	.015	.015	.015
1/16R	1/16R	1/16R	1/32R	1/32R	13/32A
1.6	1.6	1.6	0.8	0.8	9.5
.015	.015	.015	.015	.015	.012
.381	.381	.381	.381	.381	.305
Automatic	Automatic	Automatic	Automatic	Automatic	Manual
15.5R	15.5R	15.5R	11.0R	11.0R	33
.008	.008	.008	.008	.008	.008
.203	.203	.203	.203	.203	.203
.010	.010	.010	.010	.010	.010
.254	.254	.254	.254	.254	.254
†.062 x .111	†.062 x .111	†.062 x .123	†.062 x .101	†.062 x .117	.062 x .117
.125 x .097	.125 x .098	.125 x .123	.125 x .101	.125 x .117	.125 x .102
.009/.013	.009/.013	.009/.014	.007/.012	.008/.013	.008/.013
.009/.013	.009/.013	.009/.014	.007/.012	.008/.013	.008/.013
1½	1½	1½	1½	1½	2
41.3	38.1	41.3	41.3	41.3	51
2-1/32	1.67	2-1/32	2-1/32	2-1/32	2½
51.6	42.4	51.6	51.6	51.6	54
1½	1½	1½	1½	1½	1½
34.9	34.9	34.9	38.1	38.1	38.1