

CARBURETOR DRILL CHART - MERC MODELS - Cont'd

MERC MODEL	1250SS-1	1250SS	1250SS	1250BP	1100 1100SS 1100SS-1 1000-2	1000SS-1	1000SS	1000BP	1000-1	950 950SS 950SS-1	900	850 (80 Cu. In.) 850-1	800 (4-Cyl.)	650 650-1	650-2 650-3
Carburetor Mfg. No.	KD2A	KD1A	KD1B	KD1BR1	KC7A	KC14A	KA10A	KC7B1	KC1A	KC6A	KC6A	KC3A	KD4A	KC2A	KC5A
High Speed System Nozzle I.D.	23	28	28	28	22	22	22	22	28	22	22	26	25	26	22
Nozzle Cross Holes	60(6)	60(4)	60(4)	60(4)	55	55(4)	55(4)	55(4)	56	55	55	55	60(6)	55	55
Nozzle Air Bleed	.065	.065	.065	.065	.55	.055	.055	.55	.58	.053	.053	.56	.065	.58	.057
Fixed Jet	.076	.082	.082	.080	.065	.059	.059	.059	.069	.051	.049	.055	.074	.069	.071
Idle System - Pickup Tube Bottom - I.D. or Restriction	59				.065	.053-.056	.053	.065	52	.065	.065	52	63	52	.065
Top - I.D. or Restriction		65	65	65	50		60(2)	50	50	50	50	50		50	50
Air Bleed - Body or Tube	58	60	60	60	70	62	62	70(2)	70	68	68	68	60	70	70
Idle Adjustment Restriction - Orifice	47	50	50	50	48	48	48	48	48	48	48	48	50	48	48
Discharge Holes - In Tube															
By-Pass Holes 1st under Welch Plug	58(2)	58(2)	58(2)	58(2)	50	60(2)	53(2)	54(2)	55	47	50	55	58(2)	44	44
2nd under Welch Plug	53	54	54	54	56	53	55	55	56	56	56	56	52	1/16	1/16
3rd under Welch Plug					55	55		56(2)	50	55	55	47			
Throttle Bore - Top			68		68			68	68	68	68	68		68	68
Miscellaneous Inlet Seat	3/32	3/32	3/32	3/32	42	3/32	3/32	3/32	42	42	3/32	42	3/32	42	42
Shutter Valve - Hole (Cutoff) Side	By-Pass	By-Pass	By-Pass	By-Pass		By-Pass	By-Pass	By-Pass					By-Pass		

MERC MODEL	650-4 650SS	650-7	650-8	500-2 500-3	500-4	500-5	500-6 500SS	500-7	500-8	350 350-1 (2-Cyl.)	350-2	350-3	350-3	350-4 350-5	350-6
Carburetor Mfg. No.	KC5B	KC5C	KA11A	KA19A	KA21A	KA21B	KA21C	KA21D	KA24A	KC4A	KC8A	KC9A	KC9B	KC9C	KC13A
High Speed System Nozzle I.D.	22	22	22	28	27	27	27	27	27	24	22	22	22	22	22
Nozzle Cross Holes	55(4)	55(4)	55(4)	60* 54*	60* 54*	56	56(2)	56(2)	56(2)	55*	55*	55(4)	55(4)	55(4)	55(4)
Nozzle Air Bleed	.057	.055	.055	.65	.65	.55	.55	.052	.052	.58	.58	.58	.58	.54	.54
Fixed Jet	.061	.061	.061	.059	.057	.061	.065	.063	.063	.069	.069	.067	.069	.063	.061
Idle System - Pickup Tube Bottom - I.D. or Restriction	.065	.065	.065	.53	.60	.60	.060	.60	.060	52	50	.065	.065	.065	.065
Top - I.D. or Restriction	50	60(2)		50	50	50				50	50	50	50	50	50
Air Bleed - Body or Tube	70(2)	60	60	65	70	70	60	58	58	70	70	70(2)	68(2)	68(2)	68(2)
Idle Adjustment Restriction - Orifice	48	48	48	50	50	50	50	50	50	48	48	48	48	48	48
Discharge Holes - In Tube															
By-Pass Holes 1st under Welch Plug	44	53(2)	60(2)	56	53	53	50(2)	50(2)	50(2)	50	50	47	47	52	52
2nd under Welch Plug	1/16(2)	55	53(2)	56	56	1.15mm	1.15mm(2)	1.15mm	1.15mm(2)	1/16	1/16	1/16(2)	1/16(2)	54	54
3rd under Welch Plug			55	50	46	46	51	51	51		60	60	60		
Throttle Bore - Top				60	60					65	65	65	65		
Miscellaneous Inlet Seat	3/32	3/32	3/32	42	42	42	3/32	3/32	3/32	42	42	3/32	3/32	3/32	3/32
Shutter Valve - Hole (Cutoff) Side	Float	By-Pass	By-Pass				By-Pass	By-Pass	By-Pass			Float		Bottom	Bottom

MERC MODEL	200 200-1 200-2 Shift	200-3	200-4 200-5	200-6	110 110-1 -2-3-4 -5-6-7	110-8	75	60-2 60-3	60-4 60-5 60-6 60-7	60J	40	39 39-1 39-2	39-3 39-4
Carburetor Mfg. No.	KA20A	KA22A	KA22B	KA23A	KB5A	KB8A	KB9A	KB6A	KB6B	KB6B	KB10A	KB7A	KB7B
High Speed System Nozzle I.D.	28	28	28	28	31	1/8	32	32	32	32	30	31	30
Nozzle Cross Holes	60	60	60(2)	60(2)	60	60(4)	58(2)	72* 65*	72* 58*	58(2) Lower 72(4) Upper	65(4)* 55(4)*	60*	55(2)
Nozzle Air Bleed	.60	.60	.56	.56	.054	.60	.65	.68	.054	.0537	.060	.53	.060
Fixed Jet	.061	.059	.063	.063	.049	.049	.034	.045	.045	.045	.036	.043	.036
Idle System - Pickup Tube Bottom - I.D. or Restriction	52	50	.065	.065	.55	.053-.056	.053-.056	55	74	74	.053	70	70
Top - I.D. or Restriction	50	50		50	70			74	74			70	70
Air Bleed - Body or Tube	68	68	60	60	50§	65	65	50§	43	43	65	50§	43
Idle Adjustment Restriction - Orifice	50	50	50	50	42	52	56	42	42	42	50	40	40
Discharge Holes - In Tube						65(2)	65(2)				60(2)		
By-Pass Holes 1st under Welch Plug	56	56	50	50	70	66(2)	68(2)	74	74	60	62(2)	70	60
2nd under Welch Plug	56	56	68	68	62	56	68	60	60	74	70	60	70
3rd under Welch Plug	47	47	55	55									
Throttle Bore - Top	65	65			72								
Miscellaneous Inlet Seat	42	42	3/32	3/32	52	52	52	52	52	52	52	52	52
Shutter Valve - Hole (Cutoff) Side			By-Pass	By-Pass	Bottom	By-Pass	By-Pass		Bottom	Bottom	By-Pass		Float
Air Relief to Bore								46	46	46			

* 4 Holes, Upper

● 4 Holes, Lower

§ 1 Hole, Front of Venturi