

CARBURETOR DRILL CHART - MERC MODELS

MERC MODEL	850 (76 Cu. In)	800 Rev	800 Shift	800-1 Shift	700 Rev	700 Shift	600	500	500-1	450	400	400-1
Carburetor Manufacturer Number	KA 16A	KA 10A	KA 11A	KA 14A	KA 8A	KA 12A	KB 3A	KA 13A	KA 18A	KA 17A	KA 2A	KA9A
Main Discharge Nozzle	29	29	29	29	29	31* 29▲	31	28	28	31* 29▲	29	29
Main Discharge Nozzle Cross Holes	54	54	54	54	54●	70■ 56●	60	60■ 54●	60■ 54●	70■ 56●	60	60
Internal Air Bleed Tube	65	65	65	65	65	70	55	65	65	70	55	65
1st Idle Hole By-Pass Under Welch Plug	56	56	56	56	56	50	65	55	55	55	56	55
2nd Idle Hole By-Pass Under Welch Plug; 2 Holes Side-by-Side	56	56	56	56	56	57	65	55	55	55	56	55
Idle By-Pass Large Hole, Rear under Welch Plug	48	48	48	48	50	50	50	48	44	48	50	48
Idle Fuel Restriction Tube	53ID	53ID	55ID	53ID	53ID	53ID	55ID	53ID	53ID	53ID	55ID	53ID
Idle Air Supply; 2 Holes	70	70	72	70	66	70	68	65	65	65	65	65
Idle Mixture Restriction	50	50	50	50	50	50	50	50	50	50	50	50
High Speed Fixed Jet	.069	.065	.065	.069	.061	.061	.057	.059	.059	.059	.063	.061
Idle Air Adjusting Orifice	50	50	50	50	50	50	52	50	50	50	50	50
Fuel Inlet Seat Orifice	42	52	52	52	52	52	52	52	42	42	52	52
By-Pass Hole Top of Bore	68	68	68	68	68	65	70	68	66	66	68	68

MERC MODEL	350 4-Cyl	300	300-1	250	200 200-1	200-2	150 100	150-1	100	100-1-2	60 60-1
Carburetor Manufacturer Number	KB 2A	AJ 54A	KB2A	KA 15A	KA5A	KA5B	AJ 56A	KB1A	AJ 56AB	KB4A	AJ 57A
Main Discharge Nozzle	31	50	31	27	28	28	52	31	52	31	56
Main Discharge Nozzle Cross Holes	60		60	54	60	60		56		56	
Internal Air Bleed Tube	68	70	68	65	60	60	55	55	55	55	68
1st Idle Hole By-Pass Under Welch Plug	60	65	60	56	56	56	58	65	58	58	70
2nd Idle Hole By-Pass Under Welch Plug; 2 Holes Side-by-Side	60	55	60	56	56	56	55	65	55	58	60
Idle By-Pass Large Hole, Rear under Welch Plug	52		52	48	47	47		49		49	
Idle Fuel Restriction Tube	55ID	65	55ID	55ID	55ID	55ID	65	55ID	65	55ID	74‡
Idle Air Supply; 2 Holes	68		68	72	65	65	55	65		65	
Idle Mixture Restriction	50		50	50	50	50		50	55	50	
High Speed Fixed Jet	.055	.055	.055	.063	.063	.063	.057	.051	.055	.051	.045
Idle Air Adjusting Orifice	52	52	52	50	50	50	48	48	48	48	42
Fuel Inlet Seat Orifice	52	52	52	42	52	52	52	52	52	52	52
By-Pass Hole Top of Bore	70	70	70	68	65	65	72		72	65	

* Outlet ▲ Sump ■ 4 Holes, Upper ● Lower

‡ In Plug

NOTE: Absence of Figure in Square Indicates No Drill Hole Provided.