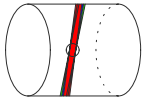
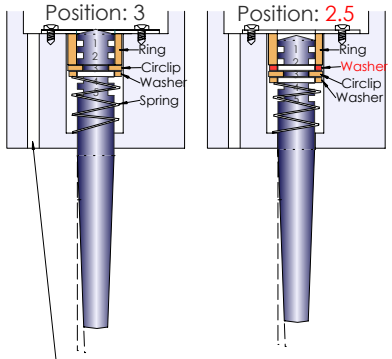
			Front: Mikuni BDS 36 SS									Rear: Mikuni BS 36 SS									Consumption at 90-100 km/h Hypothesis/verified	Max adv. (full load)	(Hypothesis)				
			Idle				Main circuit					Idle				Main circuit											
			Throttle valve	Pilot Jet MKU	Pilot Air Jet	Idle scew	Jet needle position conicity	Needle Jet	Main Jet MKD	Orifice of piston valve	Spring lenght	Throttle valve	Pilot Jet MKL	Pilot Air Jet	Idle scew	Jet needle position conicity	Needle Jet	Main Jet MKC	Orifice of piston valve	Spring lenght			KW	HP (CEE)	Rpm x 1000	Torque Nm	Rpm x 1000
Virtual V90	Suzuki VZ 800 Marauder		Nr 115	40	65		5C-3 (0°45')	P4	90	Ø = ?	19	Nr 115	45	65		5D-3 (1°)	P3	100	Ø = ?	19.5		30	36.5	50	6.2	64	4.2
Virtual V90	Suzuki VS 800 Intruder		Nr 115	40	65		5C-3 (0°45')	P4	95	Ø = 2.3	19	Nr 115	45	65		5F-3 (1°30')	P3	107.5	Ø = 2.5	19.5		30	36.5	50	6.2	64	4.2
Virtual V90	Sachs Roadster 800		Nr 115	40	65	1-1/4	5C-3 (0°45')	P4	127.5	Ø = 2.0	15	Nr 115	45	70	1-1/2	5F-2 (1°30')	P3	140	Ø = 1.5	15.5	5.7 L	30	42.5	58	6.2	71	4.2
Virtual V90	Suzuki VX 800 California		Nr 110	40	65		5D-3 (1°)	P2	122.5	Ø = ?	19	Nr 125	45	65		5E-3 (1°15')	P7	132.5	Ø = ?	19.5		30	41	55	6.5	64	5
Virtual V90	Suzuki VS 800 Int. USA		Nr 110	40	65		5D-1 (1°)	P2	127.5	Ø = ?	19	Nr 125	45	65		5D-1 (1°)	P7	132.5	Ø = ?	19.5		30	41	55	6.5	64	5
Virtual V120	Suzuki VX 800 Europa (adv 32°)		Nr 115	40	65		5D-3 (1°)	P4	120	Ø = 2.3	19	Nr 115	47.5	70		5F-3 (1°30')	P4	132.5	Ø = 2.5	19.5	5.5 L	32	45	61	6.8	72	5.8
Virtual V120	Suzuki VX 800 Swiss. (adv 35°)		Nr 115	40	65		5D-3 (1°)	P2	125	Ø = ?	19	Nr 115	45	70		5F-3 (1°30')	P4	135	Ø = ?	19.5		35	44	59	6.5	70	5.5
Sachs Roadster 800	Original or K&N air filters With AIS (Sekundärluftsystem) Original exhausts TÜV compatible	Keyster-1148SKF/SKR					5D-2.5 (1°)									5F-2.5 (1°30')											
Sachs Roadster 800	Original or K&N air filters With AIS (Sekundärluftsystem) Original exhausts TÜV compatible	Keyster-1148SKF/SKR	Nr 115	40	65		5D-3 (1°)	P4	122.5	Ø = 2.3	19	Nr 115	45	70		5F-3 (1°30')	P4	135	Ø = 2.5	19.5	5.2 L	30	44	59	6.5	70	5.25
Sachs Roadster 800	Original or K&N air filters With AIS (Sekundärluftsystem) Original exhausts TÜV compatible	Keyster-1148SKF/SKR					5D-3.5 (1°)									5F-3.5 (1°30')											
Sachs Roadster 800	Original or K&N air filters With AIS (Sekundärluftsystem) Original exhausts TÜV compatible	Clouseau stage 1 > with SCS pipes				1-1/4									1-1/2							32					
Sachs Roadster 800	Original or K&N air filters With AIS (Sekundärluftsystem) Original exhausts TÜV compatible	Clouseau stage 1 > with SCS pipes	Nr 115	40	65	to	5D-2.5 (1°)	P4	122.5	Ø = 2.5	19	Nr 115	45	70	to	5F-2.5 (1°30')	P3	135	Ø = 2.8	19.5	4.9 L	to	46	63	6.8	71	5.5
Sachs Roadster 800	Original or K&N air filters With AIS (Sekundärluftsystem) Original exhausts TÜV compatible	Clouseau stage 1 > with SCS pipes				1-1/2	5D-3 (1°)		127.5						1-3/4	5F-3 (1°30')		140				34*					
Sachs Roadster 800	Original or K&N air filters With AIS (Sekundärluftsystem) Original exhausts TÜV compatible	Clouseau stage 1 > with SCS pipes																				with Ignitech Tci-p4 and SP95 or SP98*					
Sachs F 805	K&N air filters without AIS free exhausts No TÜV!!	Clouseau stage 2 > (with springs: 17.5 cm from intruder 750 and 1400 and SCS pipes)				1-1/2	5D-3 (1°)								1-3/4	5F-3 (1°30')						31					
Sachs F 805	K&N air filters without AIS free exhausts No TÜV!!	Clouseau stage 2 > (with springs: 17.5 cm from intruder 750 and 1400 and SCS pipes)	Nr 115	42.5	65	to	5D-3.5 (1°)	P4	130	Ø = 2.8	17	Nr 115	47.5	70	to	5F-3.5 (1°30')	P3	142.5	Ø = 3	17.5	5.5 L	to	50	68	7.7	72	6.00
Sachs F 805	K&N air filters without AIS free exhausts No TÜV!!	Clouseau stage 2 > (with springs: 17.5 cm from intruder 750 and 1400 and SCS pipes)				1-2/3	5D-4 (1°)								2	5F-4 (1°30')						33*					

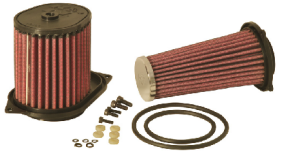
Jet needle: 5 means 50mm long .A=0°15' B=0°30' C=0°45' D=1° etc..
Jet: Ø = number x 1/100mm
Needle Jet : M = Ø2.5mm N = Ø2.55mm O = Ø2.6mm P = Ø2.65mm + (1=0.005 2=0.010 3=0.015 4=0.02 etc)
P3 = Ø2.665mm P4 = Ø2.67mm
It seems that diameter of cylindric part of needle is 2.5mm
Idle screw: The default value (leaner) is good for summer. In winter, increase turning out : -1/4 T
I did not find explanations about number of throttle valves. I think there are different angles of pause

Original Sachs Roadster 800 uses mutilated springs of piston valve ! 15.5 cm long
All others existing bikes use Mikuni springs for 36 mm carbs : 19.5 cm long
Exception: Intruder 1400 use Mikuni 36 mm with springs: 17.5 cm long

K-1148SKF/SKR is a carburator repair kit, by Keyster. Japanese quality. For VX800.
Without valves springs. Don't use the idle jets and main jets...
And change the valves springs with the original parts (19cm)







K&N air filters
(in airbox)

Sound Control System (open)

02 P

10/07/2019

Ech = 1:x

Sachs Roadster 800

Modification de la carburation / Rejetting. Carburetors.