



Tech Tip - Tuning Summary

The tuning summary allows an overview of the possible tuning component combinations that have proved ideal, according to engine, that includes the set up of the ignition, carburettor main jet, sparkplug and gearbox. We have component combinations listed to suit every capacity of cylinder, most carb. types, crankshafts and exhaust systems currently available. Clutches can be equipped with performance orientated plates or completely upgraded to full racing clutch systems. The VESPATRONIC/PARMAKIT type ignition systems can be combined with virtually any state of tuned motor, from standard through to full race scooters. The values listed are not affected by these factors, but have been gathered through practical experience with the many tuning projects that we have been able to realise. A carb. that is fine at high altitudes crossing the Alps will have its difficulties while at sea level, on the runs. For this reason and more the values listed can only be considered as indicatory and every motor should be checked thoroughly and set up correctly, for safe and enduring use of your engine, at your own risk.

To ,look before you leap' why not check out the various SIP forums and communities at www.SIP-scootershop.com.

Tuning summary smallframe												
	cylinder	cc		carburettor	Ranif.	jet (main)	exhaust	crankshaft	stroke	gear ratio	spark plug	IT°
50cc	D.R.	50	Road	16.10	D	60-65	SIP manifold	Standard	43	Standard	W5AC	19°
	POLINI	50	Sport	16.10	D	60-65	SITO Plus	Standard	43	16/19 (4.31)	W4AC	17°
	POLINI	50	Race	16.16	D	60-65	ET3-banana	Standard	43	16/19 (4.31)	W4AC	17°
75cc	D.R.	75	Road	16.16	D	65-72	SITO Plus	Standard	43	16/19 (4.31)	W4AC	17°
	D.R. F1	75	Race	19.19	R	78-86	POLINI banana	Race-	43	18/67 (3.72)	W4AC	19°
	POLINI	75	Sport	16.16	D	65-72	ET3-banana	Standard	43	18/67 (3.72)	W4AC	17°
	POLINI Racing	75	Race	19.19.	R	85-95	POLINI Righthand	Race-	43	18/67 (3.72)	W4AC	18°
	PINASCO	75	Road	Std.	R	80	SITO PLUS	Standard	43	Automatik	W4AC	18°
85cc	MALOSSO	75	Sport	16.16	D	65-72	MALOSSO	Race-	43	21/72 (3.43)	W4AC	17°
	D.R.	85	Road	19.19	D	75-82	SITO Plus	Standard	43	25/72 (2.88)	W4AC	17°
	PINASCO	85	Sport	19.19	D	75-82	ET3-/SS-banana	Race-	43	24/69 (2.88)	W4AC	18°
	POLINI	85	Sport	19.19	D	75-82	ET3-/SS-banana	Race-	43	26/69 (2.76)	W4AC	18°
	POLINI	85	Race	20.20	D	75-82	POLINI-banana	Race-	43	25/69 (2.65)	W4AC	19°
102cc	D.R.	102	Road	19.19	D	78-84	SITO Plus	Race-	43	24/72 (3.00)	W4AC	17°
	PINASCO ally	102	Sport	20.20	D	80-88	POLINI/LEOVINCE	Race-	43	21/60 (2.86)	W4AC	18°
	POLINI	102	Race	20.20	D	88-98	POLINI Evo II	Race-	43	25/72 (2.88)	W4AC	17°
	MALOSSO	102	Race	20.20	D	88-98	MALOSSO banana	Race-	43	26/69 (2.76)	W4AC	16°
112cc	POLINI	112	Sport	20.20	D	85-92	ET3-/SS-banana	Race-	43	23/60 (2.61)	W3AC	16°
	MALOSSO	112	Race	24.24	R	90-115	POLINI Evo II	Race-	43	26/69 (2.76)	W3AC	16°
125-136cc	D.R./ POLINI	130	Road	19.19	D	80-85	ET3-/SS-banana	Standard	51	23/60 (2.61)	W3AC	17°
	PINASCO	125	Road	19.19	D	80-85	ET3-/SS-banana	Race-	51	26/69 (2.65)	W3AC	17°
	POLINI	130	Sport	24.24	D	90-100	POLINI-banana	Race-	51	27/69 (2.56)	W3AC	16°
	POLINI GS	130	Race	30	R	105-115	VSP Race	Flowed-	51	23/58 (2.52)	W3AC	16°
	POLINI Racing	130	Race	30	D	110-120	POLINI Evo II	POLINI Evo	51	21/60 (2.86)	W3AC	16°
	POLINI DA	130	Race	24/25	D/R	95-115	POLINI-banana	Race-	51	21/60 (2.86)	W3AC	16°
123-153cc	MALOSSO	136	Race	25	DI	98-118	FRANZ	Full circle-	51	23/58 (2.52)	W3AC	17°
	MALOSSO	136	Race	30	DI	105-120	VSP Race	Full circle-	51	21/60 (2.86)	W3AC	17°
	PARMAKIT SP09		Sport	24-35	D	acc. jetting	PM40	Race-	51	27/69 (2.56)	W3AC	16°
	PARMAKIT	130	Sport	PHB 30	D	115-125	VSP Road	Race-	51	21/60 (2.86)	W2CC	17°
	PARMAKIT	130	Sport	25	R	125-138	PARMAKIT	Full circle-	51	21/60 (2.86)	W2CC	17°
	PARMAKIT	130	Race	TMX 30	R	240-280	VSP Race	Full circle-	51	27/69 (2.56)	W2CC	17°
	PARMAKIT SP09	130	Race	TMX 30	R	250-300	PARMAKIT SP09	Flowed-	51	27/69 (2.56)	W2CC	17°
	PARMAKIT W-Force	135	Race	PHB 25/30	DI	130-145	FRANZ	Full circle-	51	27/69 (2.56)	W2CC	17°
	PARMAKIT W-Force	144	Race	TM 35	DI	260-320	Bullet Pipe Design	Full circle-	51	27/69 (2.56)	W2CC	17°
	PARMAKIT LC	130	Race	TM 35	R	260-320	VSP Race	Full circle-	51	27/69 (2.56)	W2CC	17°
	PARMAKIT W-Force LC	135	Race	PHB 25/30	DI	130-145	FRANZ	Full circle-	51	27/69 (2.56)	W2CC	17°
	PARMAKIT W-Force LC	144	Race	TM 35	DI	260-320	Bullet Pipe Design	Full circle-	51	27/69 (2.56)	W2CC	17°
	QUATTRINI M1	125	Sport	PHB 30	D	118-128	JL Seigiorni	Race-	51	27/69 (2.56)		16°
QUATTRINI M1L	125	Race	PHB 30	DI	122-135	VSP Race	Full circle-	51	27/69 (2.56)		16°	
QUATTRINI M1L	125	Race	TM 35	DI	260-330	QUATTRINI	Full circle-	51	27/69 (2.56)		16°	
QUATTRINI M1A	125	Race	TMX 38	DI	280-360	QUATTRINI	Full circle-	51	27/69 (2.56)		16°	
POLINI Evo	130	Race	PHB 30	D	110-120	POLINI Evo II	POLINI Evo	51	27/69 (2.56)	W2AC	16°	
POLINI Evo	130	Race	TMX 30	DI	240-280	POLINI Evo II	POLINI Evo	52,8	24/58 (2.42)	W2AC	16°	
FALC		Race	34	DI	acc. jetting	FALC	Full circle-	54	29/68 (2.34)	W2AC	16°	