

SMC ECU FIRMWARE VERSION – FEATURE MATRIX

03-Nov-2016

FEATURE	FIRMWARE VERSION																
	v1.05	v1.06	v1.07	v1.09	v1.10	v1.11	v1.12	v1.13 & 1.14	v1.15	v1.16	v1.18	v1.18_2	v1.19	v1.90 & 1.91	v1.92 to 1.94	v1.99, 1.99_3 & 2.00	v1.99_2
Combined Throttle & MAP Fuel Delivery							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Autotune																	
Open Loop A/F table effects Fuel Delivery	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Closed Loop A/F Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Digital Air-Flow Meter I/P ₁						✓	✓	✓		✓	✓		✓	✓	✓	✓	✓
Idle Speed Control (F/B)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boost Control (F/B)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clutch less Gear Shifting (WOT Shift) ₂													✓				✓
Turbo Boost Enhancement (Anti-lag)			✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Alternate Functions on Spare Injector O/Ps	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Adjustable Trigger lead (Cylinder pulse offset) angle															✓	✓	✓
Pulse Divider Triggering (0, 2 or 3 missing)										✓							
Pulse Divider Triggering (0 to 7 missing Teeth)																✓	
Subaru Impreza Triggering ₃						✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Mitsubishi Lancer triggering ₄						✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Suzuki Swift triggering				✓													
Single I/P Triggering (Extra Pulse Sync)								✓		✓	✓		✓			✓	✓
150°/ 90° Odd-fire V6						✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Notes:	<ol style="list-style-type: none"> ¹ All PCB revs require an additional external connection. PCB revs prior to 'D' require additional internal circuitry. ² PCB revs prior to 'D' require additional internal circuitry. ³ 2 x 3 Crank & 3,1,2,1 Cam Pulse Wheels that require a Dual Channel Reluctor Interface. ⁴ 4 / rev & 1 x wide, 1 x narrow / rev in Camshaft driven module only. ⁵ v1.94 firmware version is recommended for new installations & upgrades 																