TEAM ASSOCIATED B5M SETUP GUIDE - Ray Munday

Shock Mount Top / Bottom Camber Link Tower / Hub Washers Inner Kickup / Castor Washers Rack / Outer Axte Height Trail / Hub Spacing fir Trail / Hub Spacing fir Trail / Hub Spacing fir Trail / Hub Spacing fir Trail / Hub Spacing fir Oil / Piston Oil / Piston Oil / Piston Camber Link Inner / Hub Washers Inner / Height Outer Camber Link Inner / Hub Washers Inner / Height Outer Camber Link Inner / Hub Washers Inner / Height Outer Camber Link Inner / Hub Washers Inner / Height Outer	Middle / Outer Inner / Inner 2mm -1 deg 25deg / 30deg 1mm / 0mm Medium (Kil) 4mm / 2mm Rr 1 deg Out Flat (Hard if hot weather) 24mm AE White AE White AE 40wt / 1.7mm (32.5 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner Inner / Middle (Ri inner with alloy hub) 1mm / Up (3mm outer with alloy	1.5mm -0.5deg 	-1.5deg 2mm / 0mm Hard arms, hubs, front brace AE Grey AE 35wt / 1.6	-1.5deg -1.5deg 	All hard parts 18mm AE Red	Usually leave in this position. Very rarely change. Lengthening gives less initial response, more mid/exit steering. Less washers (higher roll centre) gives more aggressive initial turn-in but less mid corner. Good slippery tracks. Less camber = more grip but less forgiving in bumps. Very sensitive adjustment for bumpy trac Usually leave in this position. Sensitive adjustment. Less washers on rack gives more initial steering at low speed. Good f hairpins Not tested Less trail gives more reactive steering on entry. Guil arms (kit) give more low speed turn in. Flat arms = smoother steering. Guil arms (kit) give more breads teering feel. Hard front arms make steering much more precise and smooth in high grip / high temp. 24mm used most of the time. Higher ride height = more traction on slippery surface, but more chance of traction roll on gippy surface.		
Camber KiCkup / Castor Washers Rack / Outer Axle Height Trail / Hub Spacing fir Toe in / Out Arms Ride Height Spring Oil / Piston Oil / Piston Limiters / Length / Rebound Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Camber Link Inner / Hub Washers Inner / Height Outer	-1 deg 255deg / 30deg 1mm / 0mm Medium (Kit) 4mm / 2mm Rr 1 deg Out Fiat (Hard if hot weather) 24mm AE White AE White AE 40wt / 1.7mm (32.5 / 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner Inner / Middle (Rr inner with alloy hub)	-0.5deg 3mm / 1mmfr&rr 1.5deg Out Gull (Kit) Plastic 25mm AE Green	2mm / 0mm Hard arms, hubs, front brace AE Grey AE 35wt / 1.6	24mm AE Green	18mm	Less washers (higher roll centre) gives more aggressive initial turn-in but less mid corner. Good sippery tracks. Less camber = more grip but less forgiving in burnps. Very sensitive adjustment for burnpy trac Usually leave in this position. Sensitive adjustment. Less washers on rack gives more initial steering at low speed. Good f hairpins Not tested Less trail gives more reactive steering on entry. More toe out gives more teactive steering. Gull arms (kit) give more low speed turn in. Flat arms = smoother steering. Gull arms (kit) give more low speed steering feel. Hard front arms make steering much more precise and smooth in high grip / high temp. 24mm used most of the time. Higher ride height = more traction on sippery surface, but more.		
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Washers Rack / Outer Ackle Height Trail / Hub Spacing fir Toe In / Out Arms Ride Height Spring Oil / Piston Limiters / Length / Rebound Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Camber Link Inner / Height Outer Camber Link Inner / Hub Machar Link Inner / Height Outer Camber Link Inner /	1mm / 0mm Medium (Kit) 4mm / 2mm Rr 1deg Out Flat (Hard if hot weather) 24mm AE White AE White AE 40xt / 1.7mm (32.5 / 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner / Middle (Rr inner with alloy hub) 1mm / Up (3mm outer with alloy hub)	1.5deg Out Gull (Kit) Plastic 25mm AE Green	Hard arms, hubs, front brace AE Grey AE 35wt / 1.6	AE Green	18mm	Sensitive adjustment. Less washers on rack gives more initial steering at low speed. Good f hairpins Not tested Not tested Less trail gives more reactive steering on entry. More to out gives more reactive steering on entry. Steering on low speed turn in. Flat arms = smoother steering. Gull arms (kit) give more low speed steering feel. Hard front arms make steering much more precise and smooth in high grip / high temp. 24mm used most of the time. Higher ride height = more traction on slippery surface, but more		
Trail / Hub Spacing fr/ Toe in / Out Arms Ride Height Spring Oil / Piston Uil / Piston Limiters / Length / Rebound Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Anti-Squat Toe In (Inner / Outer) WheelBase	4mm / 2mm Rr 1 deg Out Fiat (Hard if hot weather) 24mm AE White AE 40wt / 1.7mm (32.5 / 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner Inner / Middle (Rr inner with alloy hub) Tmm / Up (3mm outer with alloy hub)	1.5deg Out Gull (Kit) Plastic 25mm AE Green	AE Grey AE 35wt / 1.6	AE Green	18mm	Less trail gives more reactive steering on entry. More toe out gives more steering on low speed turn in. Flat arms = smoother steering. Guil arms (kit) give more low speed steering feel. Hard front arms make steering much more precise and smooth in high grip / high temp. 24mm used most of the time. Higher ride height = more traction on slippery surface, but mor		
Arms Ride Height Spring Oil / Piston Limiters / Length / Rebound Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Camber Anti-Squat Toe In (Inner / Outer) WheelBase	Flat (Hard if hot weather) 24mm AE White AE 40wt / 1.7mm (32.5 / 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner Inner / Middle (Rr inner with alloy hub) 1mm / Up (3mm outer with alloy hub)	Gull (Kit) Plastic 25mm AE Green	AE Grey AE 35wt / 1.6	AE Green	18mm	Flat arms = smoother steering. Gull arms (kit) give more low speed steering feel. Hard front arms make steering much more precise and smooth in high grip / high temp. 24mm used most of the time. Higher ride height = more traction on slippery surface, but mor		
Spring Oil / Piston Limiters / Length / Rebound Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Camber Anti-Squat Toe In (Inner / Outer) WheelBase	24mm AE White AE 40wt / 1.7mm (32.5 / 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner Inner / Middle (Rr inner with alloy hub) Touter with alloy hub)	25mm AE Green	AE Grey AE 35wt / 1.6	AE Green	18mm	Hard front arms make steering much more precise and smooth in high grip / high temp. 24mm used most of the time. Higher ride height = more traction on slippery surface, but mor		
Oli / Piston Limiters / Length / Rebound Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Camber Anti-Squat Toe In (Inner / Outer) WheelBase	AE White AE 40wt / 1.7mm (32.5 / 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner Inner / Middle (Rr inner with alloy hub) Tomr / Up (3mm outer with alloy hub)	AE Green	AE 35wt / 1.6	AE Green		chance of traction roll on grippy surface.		
Limiters / Length / Rebound Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Anti-Squat Toe In (Inner / Outer) WheelBase	AE 40wt / 1.7mm (32.5 / 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner Inner / Middle (Rr inner with alloy hub) 1mm / Up (3mm outer with alloy hub)		AE 35wt / 1.6		712 7100	AE White most of the time. Use Grey to smooth out steering in very high grip. Green for		
Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Anti-Squat Toe In (Inner / Outer) WheelBase	(32.5 / 1.6 if smooth) 2 Limiters / 20mm rod / 3mm rebound Inner / Inner (Rr inner with alloy hub) 1mm / Up (3mm outer with alloy hub)	AE 37.5wt / 1.7mm		AE 37.5wt / 1.7mm	15 07 5 1/10	more steering and smoother in bumps. 1.7mm pistons ride bumps better and give more traction feel than 1.6mm pistons. If ten		
Shock Mount Top / Bottom Camber Link Inner / Hub Washers Inner / Height Outer Camber Anti-Squat Toe In (Inner / Outer) WheelBase	3mm rebound Inner / Inner (Rr inner with alloy hub) 1mm / Up (3mm outer with alloy hub)				AE 37.5wt / 1.6mm	are cool, drop 2.5wt. Use 1.6mm pistons if track is very smooth and becomes 'aggress traction. More limiters gives flatter / more precise steering, but can limit grip in low traction. Usually use		
Camber Link Inner / Hub Washers Inner / Height Outer Camber Anti-Squat Toe In (Inner / Outer) WheelBase	Inner / Middle (Rr inner with alloy hub) 1mm / Up (3mm outer with alloy hub)			1 limiter (20.7mm rod)		limiters.		
Washers Inner / Height Outer Camber Anti-Squat Toe In (Inner / Outer) WheelBase	(Rr inner with alloy hub) 1mm / Up (3mm outer with alloy hub)		Middle / Inner		Middle / Inner	Always use inner hole on arm. On tower, inner hole gives more rear grip in sweepers and bur		
Camber Anti-Squat Toe In (Inner / Outer) WheelBase	(3mm outer with alloy hub)					Very rarely change. Longer link smooths out traction on high grip tracks, but not necessary on car.		
Anti-Squat Toe In (Inner / Outer) WheelBase	-1deg		2mm @ Inner			Less inner washers (higher rear roll centre) gives more steering at mid / exit. More washers (lo rear roll centre) gives smoother rear grip.		
Toe In (Inner / Outer) WheelBase		-0.5deg	-1.5deg	-2deg	-2deg	Less camber = more grip but less forgiving in bumps. Very sensitive adjustment for bumpy tra Use more camber for high grip to reduce traction roll.		
WheelBase	2 deg	0.54	1 deg		1 deg	Usually use 2deg for Australian tracks. 1deg gives smoother side bight and better braking, bu forward traction. Usually use 3deg. 3.5deg if need more stability on corner exit on very slippery tracks.		
	3deg / 0 Short (B5R Rear arms)	3.5deg	Medium (B5M rear arms)		Long (B5M rear arms)	Sensitive adjustment. Use B5R rear arm (gives ~2mm shorter wheelbase) in most condition. Shorter wheelbase = more forward traction (better for most dirt tracks)		
Anti-Roll Bar	No		Green (If track has many sweeping		Green	Rear anti-roll bar keeps car flatter through corner. Makes car feel more 'locked in' through sw but at tight corners has less turn in / more exit oversteer. Only use for very high grip / flowing		
Ride Height	23mm	24mm	corners)	24mm	18mm	23mm used most of the time. Higher ride height = more traction on slippery surface, but more chance of traction roll on grippy surface.		
Spring	AE White	AE Green	AE White	AE Green	AE White	AE White most of the time. Use Green if track is very slippery or bumpy. Typically use		
Oil / Piston	AE 35wt / 1.7mm					spring colour front and rear unless steering becomes aggressive on high grip. 1.7mm pistons ride bumps better and give more traction feel than 1.6mm pistons. If ter		
Limiters / Length / Rebound	(27.5 / 1.6 if smooth)	AE 32.5Wt / 1.7mm	AE 30wt / 1.6mm		AE 32.5wt / 1.6mm	are cool, drop 2.5wt. Use 1.6mm pistons if track is very smooth and becomes 'aggress traction. Sensitive adjustment. Use longer rear shock (0 limiter or wind out shock 2 turns) if track is ve		
Front	3mm rebound See JC Tyre Chart	See IC Tyre Chart	See IC Tyre Chart	0 limiters (27.7mm rod)		bumpy.		
Rear	Code)	(Usually Rips)	(usually Dirt Web)	See JC Tyre Chart	Carpet tyre (cut ribs)	Front: Typically JConcepts Rips if the track is damp, Bar Codes if dusty, and Dirt Webs if grooved Rear: JConcepts 3Ds if hard packed but dusty / loose on top, Bar Codes if grooved, Flip Outs if we Blue compound most of the time, with orange if it is very hot and green if damp.		
	(Usually 3D or Bar Code)	(Usually 3D or Flip Outs)	(usually Bar Code)	See JC Tyre Chart	Carpet tyre (pins)	See http://www.rctech.net/forum/10587840-post2.html for more detail.		
Timing / Rotor	30deg	20deg	30deg	10deg	6.51 20deg	8.5T for most tracks. Increase timing for more power feel and higher top speed. Reduce timing for better controllability at low speed on slipper/ / bumpy tracks.		
Pinion / Spur	23/75 (24/75 if large track)							
Slipper	V2 Vented	VTS	V2 Vented	VTS	V2 (Set to stop wheelstand)	V2 slipper is less weight and more responsive. VTS (kit) slipper is smoother on low traction / bumpy tracks. For 17.5T, use slipper eliminator.		
Ratio Diff	8.48 / 8.125		(Gear diff 3K oil if very		0 0K to FK	Use tighter setting than for rear motor to avoid diffing out on corner exit.		
Gearbox			grippy) 3 gear if very grippy			4 gear transmission gives more forward traction and more pitch control in the air. 3 gear more		
Radio FPA Brake	KO KIY EX-1				 	power steering and better braking. Tune brake EPA to just stop wheel lockup on straight from high speed. May change from race		
	straight line)	Adjust to suit	Adjust to suit	Adjust to suit	Adjust to suit	race - check on warm up lap.		
Servo	Low Profile		Full size (add 10-20g on top of			Low profile servo is good for most Australian tracks (less weight on front) but requires some case modification to fit B5M servo mounts.		
ESC / Fan	Reedy Blackbox 410R	Mount ESC further back if need extra	low profile)			Mount ESC behind servo. If track is ultra low grip, can move ESC back and use shorty at rear		
Drag Brake	13%	forward traction 18%				more rearwards weight bias. Increase for slippery track.		
DeadBand %	3%					Higher drive frequency smooths out power.		
Advance / RPM / Max RPM XTRA Timing	OFF	OFF	10deg if very long	OFF		Higher drive nequency smooths out power.		
Battery Placement	UFF	OFF	straight	OFF		Use boost timing on long straight with good traction. It track is bumpy or slippery, I prefer no bo Makes a big difference to weight balance.		
	RR	RR	Front	Rr	Front	Battery rear = more forward traction, less on power steering. Battery front = more on power steering, smoother cornering and jumping, but less forward tract		
Battery	Reedy 5700 Saddle or Reedy 4100 Shorty	Use shorty at rear with ESC back if need extra	Shorty if smooth	Saddle	Shorty	Saddle packs make the car easier to drive in most conditions, but are less responsive for tigh tracks.		
Body	JConcepts Silencer	forward traction	IConorate El.			For 17.5T, use shorty to reduce weight. Body can make a big difference.		
Wing	JConcepts Finnisher	JConcepts Silencer	Juncepts Finnisher			JConcepts Silencer - smoother steering, easier to drive. JConcepts Finnisher - more aggressive steering on corner exit.		
Wing Wing Lip / Angle	Clearance Line #0 / Minimum					I use this wing all the time. Sensitive adjustment: B5M wing sits a long way back and has strong leverage on car. If win		
Chassis / Fr & Rr Arms	angle All plastic	All plastic.	Hard arms, hubs, front	All plastic.		too big, will jump nose high. Minimum lip and minimum angle most conditions.		
	(hard front arms if >30C)	Loosen screws from transmission brace if need extra rear grip.	brace. Hard rear arms if very grippy.	Loosen screws from transmission brace if need extra rear grip.	All hard parts.	If temperature is low, use plastic parts. If temperature is high and grip comes up, use hard pa (starting from the front of the car).		
Ballast	Brass C block	Brass D block	Alloy or plastic C and D block.	Brass C block.	Brass front bulkhead. Alloy C and D blocks.	Very sensitive adjustment (key to making mid-motor work on all tracks): Use Brass C most of the time (adds forward traction and rotation). Use Brass D if need extra forward traction (but will lose on power steering) If very low traction, add 10-20g behind tower.		
	Rear Motor Timing / Rotor Pinion / Spur Silipper Ratio Diff Gearbox Radio EPA Brake EXPO Steer / Throttle / Brake Servo Drag Brake Brake Strength Drag Brake Brake Strength Drag Brake Brake Strength Advance / RPM / Max RPM Advance / RPM / Max RPM Battery Placement Battery Body Wing Lip / Angle Chassis / Fr & Rr Arms	Limiters / Length / Rebound 11 Limiter / 27mm rod / 3mm rebound Limiters / Length / Rebound 11 Limiter / 27mm rod / 3mm rebound Front See JC Tyre Charl (Usually Rp or Charl (Nor Chassis / Fr & Rr Arm (Narl (Narl For Lange) (Usually Rp or Charl (Narl For Lange) (Usually Rp or Charl (Narl For Lange) (Narl (Narl For Lange) (Narl (Narl For Lange) (Narl (Narl For Lange) (Narl (Narl For Lange) (Narl (Narl (Narl For Lange) (Narl (N	(27.5 / 1.6 if smooth) AE 32.5W / 1./fitting Limiters / Longth / Rebound 1 Limiter / 27mm rod / Smm rebound See JC Tyre Chart (Usually Rop Start Code) Motor Ready Sonic 8.5T See JC Tyre Chart (Usually Rop Start Code) See JC Tyre Chart (Usually Rop Start Rop Start Rop Start Start Rop Start Rop Start Start Rop Start Rop Start Rop Start Rop Start Rop Start Start Rop Start Rop Star Rop Start Rop Start	Limiters / Length / Rebound 1 Limiter / 27mm rod / 3mm rebound AE 32:3W / 1.7mm AE 30W / 1.0mm Limiters / Length / Rebound 1 Limiter / 27mm rod / 3mm rebound See JC Tyre Chart (Usually Rop Cart Code) See JC Tyre Chart (Usually Rop See JC Tyre	Limiters / Length / Rebound Limiter / Zr 5/ 1.6 if smooth) AE 32.300/ 1.7/min AE 32.000/ 1.5/min AE 32.000/ 1.5/min Limiters / Length / Rebound 1 Limiter / Zrmm rod / smm rebound 0 limiters (27.7mm rod / smm rebound 0 limiters (27.7mm rod / smm rebound 0 limiters (27.7mm rod / smm rebound Front See JC Tyre Chart (Usually 30 or Bis Code) See JC Tyre Chart (Usually 20 or Bis Code) Se	Limiters / Length / Rebourd 27.5 / 1.6 if amouth AE 32.500 / 1.0000 AE 32.500 / 1.0000 Limiters / Length / Rebourd 1 Limiter / 27mm rod/ See JC Tyre Chart (Susally Roh Par (Susally Roh Par Code) See JC Tyre Chart (Susally Roh Par (Susally Roh Par Code) See JC Tyre Chart (Susally Roh Par (Susally Roh Par Code) See JC Tyre Chart (Susally Roh Pa		

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B5M Setups Driver:				Track:				
Ray Munday								
Meeting:								
Run:								
	Vehicle Run: Time:							
	Weather: Shock Mount Top / Bottom							
FRONT SUSPENSION	Camber Link Tower / Hub Washers Inner							
	Camber / Kickup / Castor Washers Rack / Outer							
	Axle Height Trail / Hub Spacing f/r							
	Toe In / Out							
	Arms Ride Height							
	Spring Oil / Piston							
	Limiters / Length / Rebound Shock Mount Top / Bottom							
z	Camber Link Inner / Hub Washers Inner / Height Outer							
NSI	Camber							
SPE	Anti-Squat Toe In (Inner / Outer)							
REAR SUSPENSION	WheelBase Anti-Roll Bar							
EAR	Ride Height Spring							
R	Oil / Piston Limiters / Length / Rebound							
FRONT TYRES	Tyres Inserts							
	Wheels							
	Set Run No							
	Traction Compound Tyres							
REAR TYRES	Inserts Wheels							
	Set Run No							
	Traction Compound Motor							
AIN	Run No Timing / Rotor							
ETR	Rotor Run No							
DRIVETRAIN	Pinion / Spur Ratio							
ā	Diff Driveshafts							
	Radio EPA Steer / Brake							
	EXPO Steer / Throttle / Brake Receiver							
ELECTRONICS	Servo ESC / Fan							
RON	Profile / Wire Gauge Drag Brake Y/N, Initial %							
ECTI	DeadBand % / Min Drive%							
EL	Drive / Brake Frequency (kHz) Advance / RPM / Max RPM							
	XTRA Timing Battery Placement							
	Battery Charge							
SIS	Body Vent ESC							
IAS	Wing Wing Lip / Angle							
AERO / CHASSIS	Chassis / Fr & Rr Arms							
	Ballast							
	Weight / Dist%							
	Conditions							
	Comments							
	Handling Comments							
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	Race Comments							
<i>(</i> 0	Race Time		L	L		L	L	
Чй	Fastest Lap Time Average Lap Time Consistency							
LAP TIMES	Average Lab Time			1				