

Spitfire

Supermarine Aircraft LLC
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Spitfire MK 26B

SUPERMARINE
A I R C R A F T

Spitfire

Supermarine Aircraft Kits

www.supermarineaircraft.com

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Supermarine Aircraft has been in business for the last 17 years selling our Spitfire kits and in the last seven years engines. We have sold our aircraft and engines all over the world (Australia, New Zealand, United Kingdom, Germany, Russia, South Africa, United States of America, and Canada). Throughout the last 17 years over five million dollars has been spent

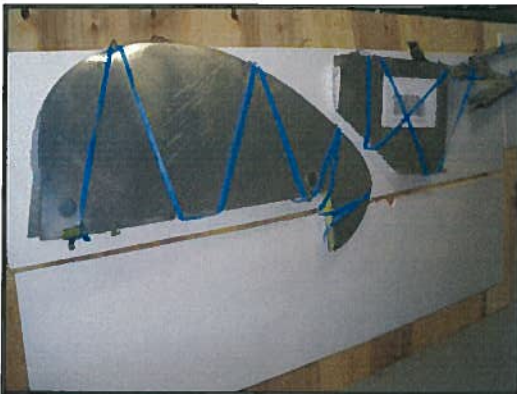


on research and development to come up with a product that is safe and is a world leader in quality and innovation, but most of all a joy to fly.



Supermarine Aircraft Kits come with Colour comprehensive builder manuals. All components are prefabricated. Main Spar prefabricated and assembled. Wing Spars prefabricated and assembled. All control surfaces prefabricated and assembled.

All hardware is of aircraft grade (nuts bolts rivets).



All completed components are corrosion protected. Fuselage shell is completely ready for fit out. Wings are prefabricated on our jigs then disassembled for packing. Hydraulic undercarriage legs are finished and include wheels, tyres and brakes.

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Complete Aircraft

!FOR SALE!

Contact us today for company ex demonstrator pricing!



SMA MK26B

LS2V8 430HP

Wet wings

Under wings radiators

Motec Sports Dash

Custom four blade IVO Prop

Berringer wheels and brakes



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Supermarine Aircraft Planes

Specifications

	MK26B V6	MK26B V6 SC	MK26B V8
VNE	193Knots	193Knots	220Knots
Max Cruise	170Knots	175Knots	180Knots
Economy Cruse	150Knots	150Knots	163Knots
Stall Clean	45Knots	45Knots	45Knots
Stall Dirty	42Knots	42Knots	42Knots
Range	650 N/M hour reserve	650 N/M hour reserve	570N/M hour reserve
Climb (fpm)	2800fpm	3200fpm	3500fpm
Take Off Distance	207m/680ft	207m/680ft	207m/680ft
Landing Distance	445m/1460ft	445m/1460ft	445m/1460ft
Ceiling Services (ft)	18000ft	18000ft	18000ft
Power H/P	250 hp	320 hp	430 hp
Gross take off Weight up to	1785lbs (810KG)	1785lbs (810KG)	1785lbs (810KG)
Height	7'1 at spinner	7'1 at spinner	7'1 at spinner
Length	26'9/8.15m	26'9/8.15m	26'9/8.15m
Wing Span	27'8/8.43m	27'8/8.43m	27'8/8.43m
Wing Area	122Sq Ft	122Sq Ft	122Sq Ft
Fuel Capacity	150L/39.5gal	150L/39.5gal	150L/39.5gal
No Seats	2	2	2
Construction	Monocoque	Monocoque	Monocoque
Material	Alum2024T3	Alum2024T3	Alum2024T3
Build Time	1100 hours	1100 hours	1100 hours
Kits sold	60	MK26B	13
Plans	N/A	N/A	N/A
Rating	Limited Aerobatics +6/-4	Limited Aerobatics +6/-4	Limited Aerobatics +6/-4

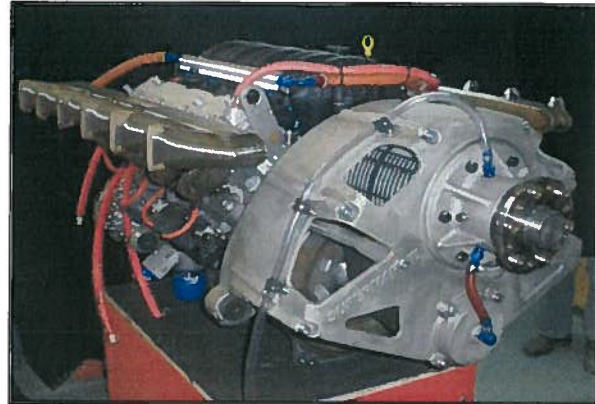
Airframe kit packages \$150,000USD



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Supermarine 8 Cylinder Engine

- *V8 LS2
- *1 Central Camshaft
- *Water Cooled
- *Wet Sump
- *Dual Ignition Sensors
- *Fuel Injected
- *Electric Start
- *Dual Fuel Pumps
- *Motec ECU Pre Programmed
- *Mill Spec Wiring
- *All Braided and Fire Sleeve Fuel Lines



Specifications

Displacement	6L/364cu in
Width	540mm
Length	700mm
Height	640mm
Weight	163KG Dry
Horse power @4500rpm	430 H/P
Torque @4500	418 FPT
Bore	101.6mm/4 in
Stroke	92.0 mm/3.62 in
Compression Ratio	10.9:1
Directional Rotation of prop Shaft	Clockwise-Pilot's view
Firing Order	1-8-7-2-6-5-4-3
Oil	Castrol 0W-40
Oil Capacity	7Liters
Oil Pressure	50-60 PSI
Fuel	100LL 98 Oct Mogas
Fuel Consumption	30L/PH 65%

Engine Packages \$46,000USD

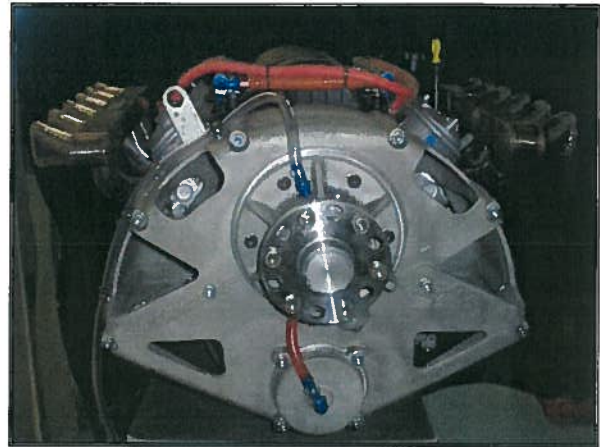
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Supermarine 8 Cylinder PSRU

- *To fit V8 LS2**
- *Included with engine package**
- *Cast Aluminium**
- *Dual Drive Belts**
- *Billet aluminium Gears case hardened**



Specifications

Weight	35KG Dry
Horse power Rated	450 H/P
Torque At Prop	782 FPT
Reduction Ratio	1.82to 1 (Other available at extra cost)
Hub STD	SAE6 (SAE2 also available at extra cost)
Oil	H-36161
Oil Capacity	500mL

This PSRU is a Supermarine Aircraft design for our engine packages with thousands of hours testing and flying in the field with no failures. Main housing is cast aluminium and all internal components are machined from billet aluminium with extremely close tolerances of 0.005”.



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Supermarine 8 Cylinder Engine

What is included with the engine Package?

- 1. Brand new LS2 6L V8 crate Motor modified by Supermarine***
- 2. Supermarine PSRU assembly and Hub(SAE6)***
- 3. Complete wiring with all switches and circuit breakers***
- 4. Pre-programmed Motec ECU***
- 5. All Stainless Steel Fuel lines with fire sleeve***
- 6. All aircraft grade Fuel lines fittings***
- 7. All fuel pumps, regulator and filters***
- 8. All radiator hoses in silicon long life***
- 9. Water header tank and over flow bottle***
- 10. Starter motor and alternator***
- 11. Oil cooler and lines***
- 12. Custom made Stainless Steel 12 Pod Exhausts***
- 13. Engine mount and hardware***

What do we do different?

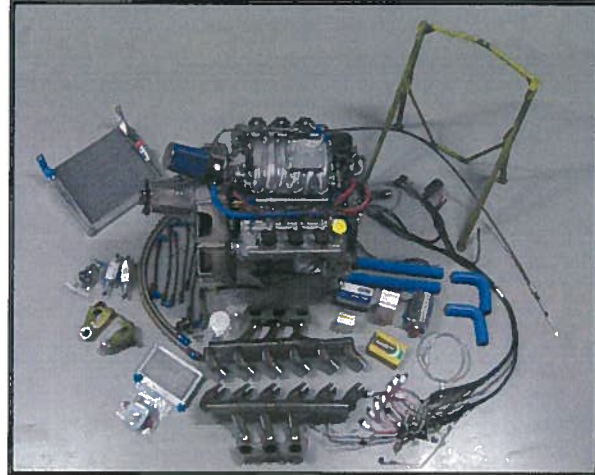
Supermarine Aircraft has spent the last five years developing the V6 and now the V8, both engines have been test flown by our CEO Mike O'Sullivan. We have done thousands of hours in the air and on dyno rigs for fine tuning and testing. The Motec ECU works in Real Time. This means that it is reading sensors located on the engine & then calculates to work out timing and air fuel ratio to give peak performance and maximum engine life. This eliminates the pilots need to lean or enrich the fuel mixture as it is always at its optimal value. The ECU also has a pre-programmed map as a redundancy system or limp home mode. All engines are run in the factory before shipping and data logged. This also means that we can carry out diagnostics on engines using a laptop computer & appropriate Motec software.



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Supermarine 6 Cylinder Engine

- *V6 Isuzu
- *Quad Cam
- *Water cooled
- *Wet sump lubrication
- *Dual ignition
- *Fuel injected
- *Electric start
- *Dual electric fuel pumps
- *Motec ECU pre programmed
- *Mill spec wirings
- *Mill spec plugs



Specifications *sc = Supercharged

Displacement	3.5L
Width	610mm
Length	630mm
Height	800mm
Weight	160KG Dry
Horse power	260 hp_{NA} / 320 hp_{sc}
Torque	317FPT_{sc}
Bore	93.4mm
Stroke	85mm
Compression Ratio	9.1:1
Directional Rotation of prop Shaft	Clockwise-Pilot's view
Oil	Castrol 0W-40
Oil Capacity	5.3L
Oil Pressure	70 psi
Fuel	100LL / 98 Oct Mogas
Fuel Consumption	28L/PH 65% throttle

Engine Packages \$50,000USD

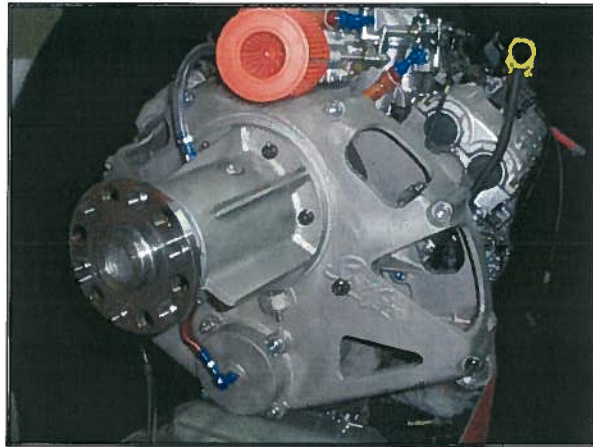
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Supermarine 6 Cylinder PSRU

- *To fit V6 Isuzu**
- *Included with Engine package**
- *Cast Aluminium**
- *Billet aluminium**
- *Gears case hardened**



Specifications

Weight	30KG Dry
Horse power Rated	350 H/P
Torque	582 FPT
Reduction Ratio	1.82to 1 (Other available)
Hub STD	SAE6 (SAE2 also available at extra cost)
Oil	H-36161
Oil Capacity	500mL

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Supermarine 6 Cylinder Engine

What is included with the engine Package?

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- 2. Supermarine PSRU assembly and Hub (SAE6)***
- 3. Complete wiring with all switches and circuit breakers***
- 4. Pre-programmed Motec ECU***
- 5. All Stainless Steel Fuel lines with fire sleeve***
- 6. All aircraft grade Fuel lines fittings***
- 7. All fuel pumps, regulator and filters***
- 8. All radiator hoses in silicon long life***
- 9. Water header tank and over flow bottle***
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SUPERMARINE AIRCRAFT ORDER FORM

CUSTOMER NAME: _____ DATE: _____

MAILING ADDRESS: _____ DELIVERY ADDRESS: _____

PHONE: _____ EMAIL: _____

Please tick preferences:
SPITFIRE KIT BUILDS

MK26B Kits

MK26b 90% build	\$150,000 USD	
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ENGINE PACKAGES

V6 Naturally Aspirated	\$50,000 USD	
V6 Supercharged	\$55,600 USD	
V8 Naturally Aspirated	\$46,000 USD	
Motec Data Dash	\$5,700 USD	

Optional Extra with kit

Underwing radiator + air intake scoop	\$6,100 USD	
Auxiliary fuel tanks	\$3,300 USD	
Passenger Controls		

Optional extras ordered with the kit are discounted. Extras ordered after commencement of build will be charged at their normal prices, as an extra order.

Deposit of 10% is required on confirmation of order. A progress payment of 50% of the balance is due on commencement of the kit build. Final payment is due when the kit is completed prior to packing. Shipping and crating costs will be advised prior to delivery.

On receipt of your 10% deposit Supermarine Aircraft will issue you with a Spitfire Kit Build number.

SIGNED: _____ Authorised by: _____

Supermarine Aircraft Pty LLC