

VWGOLF  
SCRC >>

A NEW 2 LITRE TURBO RALLY CAR

prodriue





## VW GOLF SCRC >>

Prodrive has developed a completely new two litre turbocharged rally car based on the latest VW Golf mk VII which is eligible for many 'open' class rally championships across the world.

Prodrive has engineered the car from the ground up using its unrivalled rally car design and engineering expertise to produce a competitive but cost-effective car for championships across Europe, North America and Asia. The car has initially been developed for the Chinese Rally Championship, where it won on its debut for the FAW-VW Rally Team.

While the car has not been built to FIA regulations, all the same design principles Prodrive used to create both the Subaru Impreza and MINI World Rally Cars have been incorporated into the Golf SCRC. Indeed, the roll cage and safety features encompass the latest

FIA standards, while many of the major components, including the gearbox, differentials and brakes are the same as those found on most of the current World Rally Cars.

The car's two litre, turbocharged engine, can be mapped for a variety of restrictor sizes, including for competition in the FIA World Rallycross Championship or other series including the GRC in North America.

For more information on the car and its eligibility for rally and rallycross series across the world contact:

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Watch the Golf in action [click here](#).







## ENGINE >>

The two litre four cylinder engine is based on a VW block and features a Garrett turbo with a 35 mm restrictor (for the Chinese Rally Championship) and a Cosworth engine management system. The base engine is the same as that currently being used in the FIA World Rallycross Championship. The 2 litre engine gives plenty of flexibility in performance making it driveable in all conditions and there is plenty of headroom to optimise the performance further.

## SUSPENSION

Prodrive has worked with its long-term suspension partner, Ohlins to develop a new three-way adjustable damper for the VW Golf, the most advanced the two companies have produced.

The Macpherson strut design incorporates the lightest homologated WRC upright and numerous components, including anti-roll bars, which are interchangeable front to rear, minimising the number of spares required.





## DRIVETRAIN >>

The drivetrain using components already proven under the toughest conditions in the World Rally Championship with all the top WRC factory teams including the Xtrac gearbox and differentials.



# VW GOLF SCRC TECHNICAL SPECIFICATIONS

## CHASSIS

VW Golf VII five door bodyshell  
Prodrive roll cage encompassing the latest FIA standards  
Standard VW steel panels plus flexible composite front and rear bumper and wings  
Carbon composite rear wing

## ENGINE

VW 2 litre, four cylinder, port fuel injection, double overhead cam  
Garrett turbo with 35 mm restrictor (CRC regulations) 2 bar maximum boost  
Cosworth engine management system  
Lead acid battery (Li-ion optional)  
Power >300 bhp

## TRANSMISSION

Permanent four wheel drive  
Gearbox: Xtrac 6 speed sequential (WRC spec) with steering column mounted manual gear shift  
Clutch: AP Racing sintered twin plate  
Front differential: Xtrac plated limited slip (WRC spec)  
Rear differential: Xtrac plated limited slip (WRC spec)

## INTERIOR

FIA 8862 seats with head protection and six point Sparco harness  
Prodrive designed AP Racing pedal box  
Lifeline fire extinguisher system  
Prodrive wiring harness  
Prodrive driver display  
Cosworth co-driver display  
ATL fuel tank and system

## SUSPENSION & STEERING

Front: Prodrive/Ohlins Macpherson strut 3 way adjustable damper  
Rear: Prodrive/Ohlins Macpherson strut, 3 way adjustable damper  
Prodrive designed hydraulic power assisted steering rack

## WHEELS, TYRES, BRAKES

Gravel:  
15" x 7" ATS wheels  
Front: AP Racing 4 pot calipers  
300 mm discs  
Rear: AP Racing 4 pot calipers  
300 mm discs  
Tarmac:  
18" x 8" ATS wheels  
Front: AP Racing 4 pot calipers  
355 mm discs  
Rear: AP Racing 4 pot calipers  
355 mm discs

## DIMENSIONS

Length: 4268 mm  
Width: 1820 mm  
Weight: 1150kg (CRC minimum dry weight excluding driver/co-driver)

