

# VW GOLF SCRC >>

A NEW 2 LITRE TURBO RALLY CAR





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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.](#)













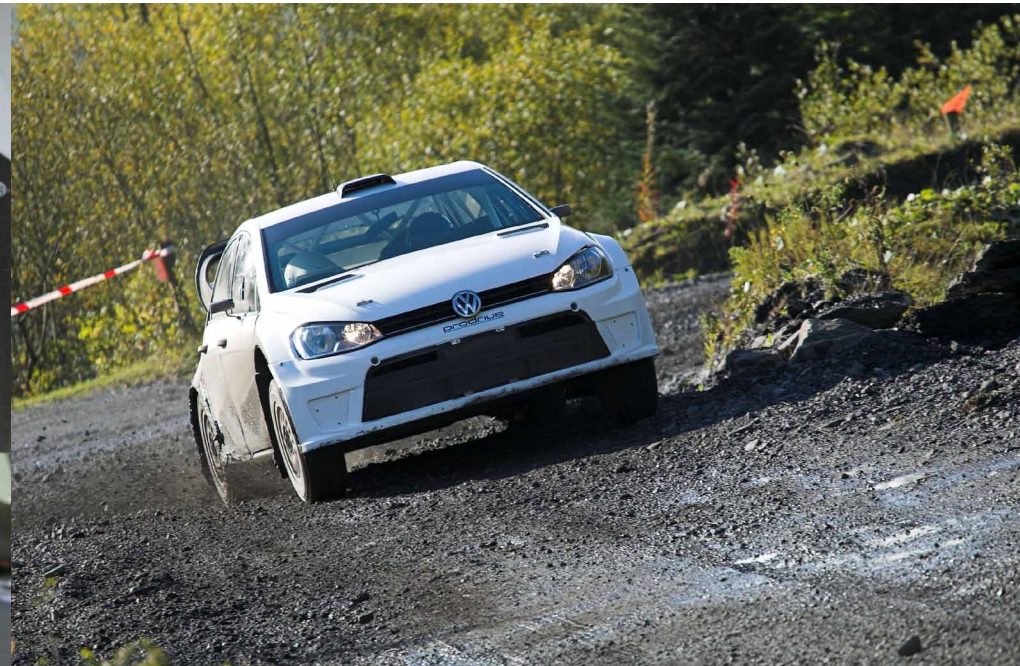
## ENGINE >>

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.





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## 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)

Hand brake rear differential release

### 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

### DIMENSIONS

Length: 4268 mm

Width: 1820 mm

Weight: 1150kg (CRC minimum dry weight excluding driver/co-driver)

### 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

