



ŠKODA
SIMPLY CLEVER

PRESS KIT

Page 1 of 2

Drive: Newly developed turbo engine, sequential gearbox and all-wheel drive

- › **ŠKODA FABIA RS Rally2 features new engine based on the 2.0 TSI from EA888 engine series, delivering approx. 214 kW (289 hp)**
- › **Sequential 5-speed transmission allows gear changes in milliseconds**
- › **Front-rear axle separation clutch now operated hydraulically**

Mladá Boleslav, 14 June 2022 – ŠKODA Motorsport has developed a new engine for the FABIA RS Rally2 and further optimised the time-proven powertrain. The FABIA RS Rally2's 1.6-litre turbo engine is based on the 2.0 TSI from the EA888 engine series with an output of around 214 kW (289 hp). The maximum 430-Nm torque is distributed across all four wheels via a 5-speed sequential gearbox and two differentials.

The Rally2 regulations of the Fédération Internationale de l'Automobile (FIA) stipulate a 1.6-litre turbo engine based on a production engine for vehicles in this category. When developing the powertrain for the new ŠKODA FABIA RS Rally2, ŠKODA Motorsport opted to base it on the 2.0 TSI with an integrated exhaust manifold from the EA888 engine series, which is used in the brand's RS models, among others. Compared to the FABIA Rally2 evo engine, the newly developed four-cylinder features redesigned intake and exhaust ports, optimised pistons and combustion chambers, variable valve timing and a redesigned lubrication system for a significantly enhanced combustion process. The engineers also revised the exhaust system, which has a new turbocharger, and developed an innovative intercooler and cooling circuit with greater cooling capacity. The FABIA RS Rally2 also features new engine management software. The diameter of the air restrictor is 32 millimetres, in line with the FIA's technical regulations for the Rally2 category. This translates to an engine output of around 214 kW (289 hp) and a maximum torque of 430 Nm.

Power transmission via five-speed gearbox and two differentials across all four wheels

The sequential 5-speed transmission, specially designed for rally use, enables the driver to change gears in milliseconds using the gear stick alone. Although the FABIA RS Rally2 has a mechanical clutch, it is only used for starting, parking or when driving slowly. For optimum acceleration on tight, winding rally stages, the FABIA RS Rally2 has a relatively short gear ratio, offering a top speed of around 200 km/h.

The FABIA RS Rally2's drive concept differs considerably from the production model, not least due to the all-wheel drive. Since the FIA's technical regulations prohibit the use of electronic driving aids to improve traction, only mechanical differential locks on the front and rear axles are allowed; an additional centre differential is not permitted. The separating clutch between the front and rear axles, which is activated when the handbrake is applied, assists when turning into bends on the rally track. The suspension features MacPherson struts on both axles, which are designed to handle extreme loads.



ŠKODA
SIMPLY CLEVER

PRESS KIT

Page 2 of 2

Further information:

Zbyněk Straškraba

Motorsport Communications

T +420 326 811 785

zbynek.straskraba@skoda-auto.cz

<http://skoda-motorsport.com>

ŠKODA Media Room

skoda-storyboard.com

Download the ŠKODA Media Room app



Follow us at <https://twitter.com/motorsportskoda> for all the latest news.

You can find all content related to the ŠKODA FABIA RS Rally2 at [#FabiaRSRally2](https://twitter.com/motorsportskoda).

ŠKODA Motorsport:

- › ŠKODA has been active in motorsport since 1901, garnering success in rallies as well as circuit racing.
- › Highlights include winning the 1981 European Touring Car Championship (ETCC) with the ŠKODA 130 RS.
- › In recent years, the ŠKODA FABIA celebrated numerous successes for the Czech manufacturer on rally stages worldwide. From 2009 to 2014, the ŠKODA FABIA S2000 (2.0 naturally aspirated engine, four-wheel drive) secured 50 international titles and national rally championships. The ŠKODA FABIA S2000 also helped to win the FIA European Rally Championship (ERC) and the Intercontinental Rally Challenge (IRC) three times each.
- › The ŠKODA FABIA R5 (1.6 turbo engine, four-wheel drive) continued the S2000's success story in 2015. In subsequent years, ŠKODA Motorsport factory drivers took multiple titles in the FIA World Rally Championship's support category WRC2/WRC2 Pro with the models ŠKODA FABIA R5 (Rally2) and ŠKODA FABIA Rally2 evo. Titles went to Jan Kopecký (CZE), Esapekka Lappi (FIN), Pontus Tidemand (SWE), Kalle Rovanperä (FIN) and Andreas Mikkelsen (NOR). Supported by ŠKODA Motorsport, Toksport WRT became Team Champion of the WRC2 category in 2020.
- › ŠKODA Motorsport customer teams have also won titles in the FIA World Rally Championship (WRC), FIA European Rally Championship (ERC), the FIA African Rally Championship (ARC), the FIA North American and Central American Rally Championship (NACAM), the FIA South American Rally Championship (CODASUR) and the FIA Asia-Pacific Rally Championship (APRC).
- › In 2021, Andreas Mikkelsen (NOR, Toksport WRT) took the WRC2 Drivers' Championship and the FIA European Rally Championship overall at the wheel of a ŠKODA FABIA Rally2 evo.
- › By the end of the 2021 season, the ŠKODA FABIA R5 (Rally2) and ŠKODA FABIA Rally2 evo had secured over 1,500 victories and more than 3,700 podium positions in 65 countries.

ŠKODA AUTO

- › is successfully steering through the new decade with the NEXT LEVEL – ŠKODA STRATEGY 2030.
- › aims to be one of the five best-selling brands in Europe by 2030 with an attractive line-up in the entry-level segments and additional e-models.
- › is emerging as the leading European brand in important growth markets such as India and North Africa.
- › currently offers its customers twelve passenger-car series: the FABIA, RAPID, SCALA, OCTAVIA and SUPERB as well as the KAMIQ, KAROQ, KODIAQ, ENYAQ iV, ENYAQ COUPÉ iV, SLAVIA and KUSHAQ.
- › delivered over 870,000 vehicles to customers around the world in 2021.
- › has been a member of the Volkswagen Group for 30 years. The Volkswagen Group is one of the most successful vehicle manufacturers in the world.
- › independently manufactures and develops not only vehicles but also components such as engines and transmissions in association with the Group.
- › operates at three sites in the Czech Republic; has additional production capacities in China, Russia, Slovakia and India primarily through Group partnerships, as well as in Ukraine with a local partner.
- › employs 45,000 people globally and is active in over 100 markets.