

Ford Fiesta R2



"We're delighted with the R2. It's a proper rally car, with sequential gearbox, fully adjustable suspension and an eager engine that sounds as good as it goes. It's thoroughly enjoyable to drive. It's fast and it's strong too. It might have a smaller engine than the ST but it isn't slower. I'm convinced we've got a very competitive car on our hands!"

Malcolm Wilson

Technical Specification

Engine: 1.6 Zetec 16V – 1598cc – Ti-VCT. 4 cylinders in line. DOHC. 16 valves. Alloy cylinder head and block. Variable cam timing.

Power: 170 PS @ 7,500 rpm (97 Octane fuel)

Torque: 182 Nm @ 5,700 rpm

Transmission: Five speed sequential gearbox developed by Sadev with plated limited slip differential and uprated driveshafts. ECU developed by Pi with flat shift feature with full throttle closed loop control shift.

Suspension: Reiger adjustable dampers with Eibach springs, spherical jointed top mounts front and rear. Front dampers adjustable for bump and rebound. Standard rear beam with uprated mounts. 2-bolt clamped front upright. Adaptor pin mounted in uprights with spherical bearing connecting the lower arm. Five stud hub.

Brakes: Gravel (front): 285 mm AP ventilated discs with four piston competition calipers.

Asphalt (front): 310 mm AP ventilated discs with four piston competition calipers.

Rear: 280 mm AP ventilated discs with single piston calipers.

Hydraulic handbrake.

Steering: Electric power-assisted steering.

Wheels: Gravel: OZ 6"x15" **Asphalt:** OZ 6.5"x16"

Bodyshell: Welded T45 steel multipoint rollcage. Optimised seat position and integrated dash bar. Jacking points optional and seam welding is permitted.

Electronics: Bespoke instrument cluster by Visteon in the same style as the standard series cluster.

Dimensions: Length: 3953mm. Width: 1722mm. Height: 1481mm. Wheelbase: 2490mm. Weight: 1030kg.

Kit Price: £20,595 + VAT + Carriage

Donor Car: £9,745+VAT

www.fiestar2.com



Ford Fiesta R2

The Fiesta R2 is designed as a low cost economical rally car made up from a selection of Ford Fiesta standard parts and M-Sport competition components. The car is available in 3 or 5 door options. Selected further information is detailed below:

Engine

Upgrade Kit Information:

Built from the standard production car engine the rally upgrade kit includes upgraded pistons, conrods, camshafts, valve springs, injectors, airbox, air filter, spark plugs and sump baffle kit as well as upgraded and machined engine mountings.

Recommended Service Interval:

Rebuild distance is set at 2000km. Oil should be changed after every 300km or at the end of each WRC event.

M-Sport can provide services for the initial build or rebuild of a Fiesta R2 engine, alternatively the customer may purchase parts individually to allow for their own rebuilding of the unit.

Rebuild Time: One Working Week

Notice Required for Rebuild: 6 Weeks

Transmission

Upgrade Kit Information:

The R2 uses a five speed sequential gearbox developed by Sadev with plated limited slip differential and uprated driveshafts. A bespoke gearbox casing has been specifically developed for the Fiesta R2. A simple straight rod with spherical joints allows an effective gear change with the added feature of a flat shift full throttle closed loop control shift, made possible by the Pectel engineered ECU.

Recommended Service Interval:

Inspection of the gearbox after every 300km. Rebuilds should be at 600km intervals. Oil to be changed after every national event (approx 150 km) or at the end of each leg on a WRC event.

M-Sport can provide services for the rebuild of a Fiesta R2 transmission; alternatively the customer may purchase parts individually to allow for their own rebuilding of the unit.

Rebuild Time: One Working Week

Notice Required for Rebuild: 6 Weeks

Suspension

Upgrade Kit Information:

The car is equipped with a full set of Reiger adjustable dampers with Eibach springs, spherical jointed top mounts front and rear. The front dampers are adjustable for bump and rebound. Geometry can be adjusted using camber washers (same setup as used on the WRC cars), the rear suspension beam is based on the standard road car production unit but with uprated mounts.

Recommended Service Interval:

Front and rear dampers should be cleaned and as well as the spherical bearings in the upper and lower damper mounts inspected for any damage after each event.

M-Sport can provide services for the rebuild of Fiesta R2 dampers; alternatively the customer may purchase parts individually to allow for their own rebuilding of the units.



Selected Spares Pricing

All parts that make up the Fiesta R2 conversion kit are available to purchase separately through M-Sport.

After purchasing the car M-Sport will supply the customer with a full parts list including parts numbers for the car. This information can then be used to order items using our online ordering system.

Examples of selected spares costs include:

- Complete G/Box	£4,095.00
- Full Damper Kit	£3,980.00
- Drive shaft Kit	£763.00
- Rear Beam Kit	£725.25
- Exhaust System	£552.00
- Wishbones LH/RH	£425.87

Support Championships

The Fiesta R2 is a global rally car, with the same specification of car being sold to 34 different countries.

10 countries organise Fiesta R2 championships allowing any competitor with a Fiesta R2 to compete in any of these registered championships.

The Fiesta R2 has also been chosen as the car for the FIA WRC Academy that sees young and aspiring drivers compete in six European rounds of the WRC with the winner receiving a prize fund worth €500,000.

Customer Support

M-Sport offers a full after sales customer support package for the Fiesta R2.

Technical bulletins, technical procedures, and rebuild procedures are all available as well as backup support from our dedicated workshop based customer support engineers.

To ensure that customers' needs are met when competing in championships across the globe M-Sport stock a large selection of parts to allow orders to be fulfilled and dispatched on a very short timescale. A number of dedicated M-Sport re-sellers are situated across the globe supplying support for International customers.

Parts Sales / Rebuilds

James Aldridge
Customer Sales

Telephone: +44 (0) 1900 898 912
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Parts Sales / Rebuilds

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Ford Fiesta R2

The Fiesta R2 conversion kit comprises of all the necessary items to build a Fiesta R2 from a standard 1.6 Fiesta Zetec S. On purchase of the kit M-Sport will supply a full build manual, a number of options are available for the car or alternatively M-Sport can build a car for customers. Details are listed below:

Conversion Kit

The Fiesta R2 conversion kit comprises of Roll Cage Kit, Welded Items Kit (Engine mounts etc), Bonnet & Boot Pin Kit, Engine Mounting Kit, R2 Engine Kit, Air Intake Kit, Exhaust System, Gearbox Assembly Kit, Gearchange Kit, Complete R2 Driveshaft Kit, R2 Clutch Kit, Steering Kit, Tarmac or Gravel Brake Kit (Discs and Pads), Brake Upgrade Kit (Calipers, Pipes and fittings), Handbrake Assembly Kit, Front Suspension Upgrade Kit, Tarmac or Gravel Damper Kit, Tarmac or Gravel spring kit, Rear Beam Upgrade Kit, Auxiliary wiring loom kit, Engine Management Kit, Battery Kit, Cooling Kit (Radiator and hoses), Fuel Ancillary Kit (Rollover Valve, Fuel Pipes and fittings), Interior Panel Kit (Door panels and inner rear ¼ panels and fittings), Seats and Restraints Kit, Demisting Kit, Fire Extinguisher System, Spare Wheel Ratchet Strap Kit, Co-Driver Footrest Kit, Windscreen Washer Kit, Protection Kit (Tank Guard & Fuel Filler Protection), Sumpguard Kit.

Conversion kits for the R2 are also available for purchase:

Tarmac to Gravel Conversion Kit	£4,865 + VAT
Gravel to Tarmac Conversion Kit	£5,180 + VAT

M-Sport Build Estimate

To supply the Conversion Kit to R2 Specification in gravel or Tarmac specification	£20,595 + VAT
To strip standard LHD road car and install above mentioned Conversion Kit	£10,000 + VAT
To install the roll cage included in the above mentioned Conversion Kit	£1,176 + VAT
To paint the inside of the car white	£1,800 + VAT
To supply LHD 1.6l Ford Fiesta Sport/Zetec S standard road car in non-metallic colour	£9,745 + VAT
Total cost	£43,316 + VAT

Any additional optional extras requested will be fitted during the build process and are subject to additional costs.

R2 Options

Tarmac Wheel	30.00 ea.
Gravel Wheel	£105.00 ea.
Gear Display Indicator Kit	£150.00
Carbon Door Car Kit	£470.00
Underfloor Protection Kit	£370.00
8mm Sump Guard Plate Kit	£344.79
Drivers Foot Tray Kit	£150.00
Wheel Scraper Kit	£65.50
Jacking Tube Kit	£55.00
Steering Wheel Spacer 15mm	£22.00 ea.
Quick Release Steering Wheel Boss	£220.00 ea.
Sumpguard Side Protection Kit	£37.75
Rear beam Back Flap Kit	£91.50
Front Mudflap Kit	£52.75
Rear Mudflap Kit	£74.75
Rear infill Flap Kit (Tarmac)	£15.72
Rear beam Flap	£44.50 ea.
Gearknob Ball Shape	£47.50 ea.
Gearknob Pear Shape	£47.50 ea.

R2 Options (continued)

Gearknob Shaft Shape	£47.50 ea.
Roof Vent Kit (VO Homologated)	£202.50
Spare Wheel Kit (Steel Bar)	£32.82
Helmet Net Light Weight	£41.25 ea.
Tripmeter Kit	£590.00
Lamp Pod Kit	£834.50
Heated Screen Loom	£232.50
Air Horn Kit	£98.80
Map Light Kit	£39.75
Intercom Kit	£205.41
Optional Spare Wheel Ratchet Strap Kit	£21.00
Carbon Spare Wheel Tray	£208.50
Side Sill Protection Kit	£360.00
Window Film Kit	£110.00
Tool Kit	£446.00
Upated TCA Compression Bolt	£7.66

All prices PLUS VAT and are correct at 02 February 2011 E&OE

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