

# Ford Fiesta R2 1Ltr

M-SPORT 



"The new Ford Fiesta R2 has been designed with a very different philosophy to the previous car, in 2009 when we launched the 1600cc car we wanted an economical replacement for the ST N3, now with strong competition in the R2 class, we are aiming to make the car extremely competitive on every surface. The new R2 is a series of small steps in every department; engine, transmission, suspension, brakes, electronics – all have been changed or upgraded in an attempt to ensure the car is overall fastest in the class. Once again the design team have excelled and we are all very proud of this latest car."

Malcolm Wilson

## TECHNICAL SPECIFICATION

**Engine:** 999cc Ford EcoBoost Technology. 12 valve. 3 cylinders in line.. Alloy cylinder head & iron block.

**Power:** 180 PS @ 6,200 rpm (GEM Bio Fuel)

**Torque:** 250Nm @ 4,000 rpm

**Transmission:** Five speed sequential gearbox developed by Sadev with plated limited slip differential & uprated driveshafts. 4.41 Final Drive Ratio. Full throttle gear-shift. Electronic detent control. 33/90 diff ramps (45/80 option)

**Suspension:** Reiger adjustable dampers with Eibach springs, spherical jointed top mounts front & rear. Front dampers 3-way adjustable, rear combined bump/rebound adjustable. 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 Alcon ventilated discs with four piston competition calipers.

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

*Rear:* 280 mm Alcon solid discs with two piston competition calipers.

Hydraulic handbrake.

**Steering:** Electric power assisted steering, column mounted.

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

**Bodyshell:** Welded T45 steel multipoint roll cage. Optimised seat position & integrated dash bar. Jacking points optional & seam welding is permitted.

**Electronics:** Life Racing F88 Engine Control Unit and Digital Dashboard. 3 stage Anti-Lag system.

**Dimensions:** *Length:* 3982mm. *Width:* 1695mm. *Height:* 1481mm. *Wheelbase:* 2490mm. *Weight:* 1030kg.

R2 Kit Price: £29,860 + VAT

[www.M-Sport.co.uk](http://www.M-Sport.co.uk)



The Fiesta R2 is designed as class competitive rally car made up from a selection of Ford Fiesta standard parts and M-Sport competition components. The car is available in 3 door option only at 06/15. Selected further information is detailed below:

## Engine

### Upgrade Kit Information:

Built from the standard production car engine the rally upgrade kit includes upgraded pistons, con rods, camshafts, valve springs, intercooler, air box, air filter and sump baffle kit as well as upgraded and machined engine mountings.

### Recommended Service Interval:

Oil change every 300km.

Replace spark plugs every 300km.

Checks every 600km: pulley/idler bearings, tensioner, air filter. Rebuild 2000km - TBC after further testing: including turbo, starter motor and alternator.

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:** 10 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 Life Racing ECU.

### Recommended Service Interval:

Oil change every 300km.

Checks every 600km: crack test gears, shafts and dog rings.

Rebuild 2000km.

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:** 4 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 high speed / low speed bump and rebound. Geometry can be adjusted using camber washers. The rear suspension beam is based on the standard road car production unit but with uprated adaptor bracket.

### Recommended Service Interval:

Front & rear dampers should be cleaned 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.

**Rebuild Time:** One Working Week

**Notice Required for Rebuild:** 4 Weeks

## 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 part numbers for the car. This information can then be used to order items with our dedicated sales team.

## Support Championships

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

The Fiesta R2 has also been chosen as the car for the Drive DMACK Fiesta Trophy, which sees aspiring drivers compete in five European rounds of the WRC with the winner receiving an incredible prize drive of a full WRC 2 season in a Ford Fiesta R5 car.

Alongside the DDFT is the 'Vatanen Touch' – here drivers can compare themselves against the DDFT competitors and compete for a nomination for an end-of-season 'Shoot-Out' with a prize to win a one-off drive in a Ford Fiesta R5.

## 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  
**E-Mail:** jaldridge@m-sport.co.uk

## Technical Enquiries

**Phil Bradshaw**  
Customer Engineering

**Telephone:** +44 (0) 1900 898 989  
**E-Mail:** pbradshaw@m-sport.co.uk

## General Enquiries

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The Fiesta R2 conversion kit compromises of all the necessary items to build a Fiesta R2 from a standard 1ltr 140hp Ford Fiesta. On purchase of the kit, M-Sport will supply a 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:

## R2 Conversion Kit

The Fiesta R2 conversion kit compromises of: Rollcage Kit; Welded Items Kit; Bonnet & Boot Pin Kit; Engine Mounting Kit Water/Air, Gearbox Cooler Kit; Engine Kit; Air Intake Kit; Exhaust System Kit; Sequential Gearbox Kit; Gearchange Kit; Driveshaft Kit; Clutch Kit; Steering Kit; Tarmac or Gravel Brake Kit; Brake Upgrade Kit; Hydraulic Handbrake 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; FIA Fuel Cell; Interior Panel Kit; Seats & Restraints Kit; Demisting Kit; Fire Extinguisher Kit; Spare Wheel Strap Kit; Co-Driver Footrest Kit; Windscreen Washer Kit; Fuel Tank / Crossmember Guards and 6mm Sumpguard Kit.

The kit contains all of the components required to convert a Ford Fiesta 1Ltr – 140hp version to an R2 – excluding wheels.

Tarmac to Gravel Conversion Kit £5,936.85 (inc 5 wheels)  
Gravel to Tarmac Conversion Kit £6,240.20 (inc 5 wheels)

## M-Sport Build Estimate

To supply the conversion kit to R2 specification in gravel or tarmac:	£29,680
To strip standard LHD road car & install above mentioned conversion kit:	£10,000
To prepare standard bodysell to R2 specification:	£2,000
To paint car interior and underbonnet:	£1,800
To supply LHD 1.0ltr Ford Fiesta standard road car:	£11,500

**Total £54,980**

Discounted Price for Complete Car minus Options. : £53,500  
All prices are + VAT

## R2 Optional Extras

Tarmac Wheel:	£160.12 ea
Gravel Wheel:	£134.05 ea
Snow Wheel:	£154.53 ea
Carbon Doorcard Kit:	£374.40
Underfloor Protection Kit:	£452.21
Sumpguard Plate Kit 8mm	£599.50
Drivers Foot Tray Kit:	£140.00
Wheel Scraper Kit:	£75.78
Jacking Point Kit:	£69.60
Steering Wheel Spacer 70mm Kit:	£128.38
Quick Release Steering Wheel Boss:	£203.20
Sumpguard Side Protection Kit:	£41.53
Rear Beam Back Flap Kit:	£135.64
Front Mudflap Kit:	£86.64
Rear Mudflap Kit:	£87.57
Rear Infill Flap Kit:	£20.35 ea
Hydraulic Jack Kit:	£675.00
Sump Protection Kit:	£148.48
R5 Underfloor Protection Kit:	£736.56
FIA Fuel Sample Kit:	£426.08
Blower Motor / Screen Switch Kit:	£175.40
USB Data Stick:	£16.00
GEM Fuel Bio Fuel Kit:	TBC
Fuel Pressure Sensor Kit:	£111.04

## R2 Optional Extras (continued)

Roof Vent Kit:	£214.99
Spare Wheel Bar Kit:	£58.44
Helmet Net:	£41.25
Monit Trip Computer Kit:	£550.00
Lamp Pod Kit:	£950.69
Map Light Kit:	£57.19
Stilo DG10 Intercom Kit:	£375.00
Carbon Spare Wheel Tray Kit:	£175.50
Side Sill Protection Kit:	TBC
Window Film Kit:	£121.00
Wheel Brace Kit:	£77.66
Heavy Duty Trackrod Kit:	£350.00
Upgraded Wheel Bearings (x2):	£99.00 ea
Front Mudflap Reinforcements (x2):	£15.40 ea

All prices + VAT and are correct at 15 June 2015 E&OE

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