

## Words: Dan Williamson Photos: Adrian Brannan

Packing a 650bhp Evo engine, there's no doubt this Mk3 will do well in the survival of the fittest out on track.

top. Whatever you were thinking, think again. With its wild, wide-arch bodykit, this isn't simply the sort of boy-racer Fiesta you might've seen in Fast Ford five years ago. Nor is it just another track day toy, complete with regular RS Turbo power.

No, this Fiesta is much, much more sophisticated than that. And it's really rather extraordinary. Here is the world's first Mitsubishi Evopowered, 4wd Ford Fiesta. Pumping out a colossal 650bhp, it was built with one goal: to win races.

Known as the Fievo, this monster Mk3 is the result of the engineering ingenuity of Tadstar Racing (a team formed in 2006 to compete in the Scottish MRC Saloon and Sports Car Championship) and DJM Motorsport (the company Colin McRae trusted to build his personal rally cars). So

no, it's not your average Fiesta. Tadstar Racing is run by David Taddei, backed by mechanic Stevie Pender, Alistair Brearley and Leanne Shearer. David's son Peter gets the enviable job of peddling the Fievo towards victory in the 2009 championship. Well, that's the idea.

It's the team's fourth season in tin-top racing, and its third car – all of which have been Mk3 Fiestas. The first was a turbo'd CVH, which gave way to a 2.1 Zetec turbo.

Peter says: "With 340bhp it was nippy for a fwd, and it took a few wins in Class B. But it was unreliable, so we decided to switch to Class A and try winning the overall championship".

This meant Team Tadstar would be battling head-to-head with Andrew Gallacher's awesome Andrew Gallacher's awassing 650bhp Focus. A job that requires 4wd, loads more power and something pretty special in the

chassis department. "We wanted to build something different enough to create an interest – thus the Mitsubishi engine. And it's created lots of interest. The championship allows any mods and no minimum weight. There are some Cosworth-engined Focuses and Fiestas around, and loads of Evos. An Evo is 1400kg, but fully built the Fievo is just over 900kg," Peter continues.

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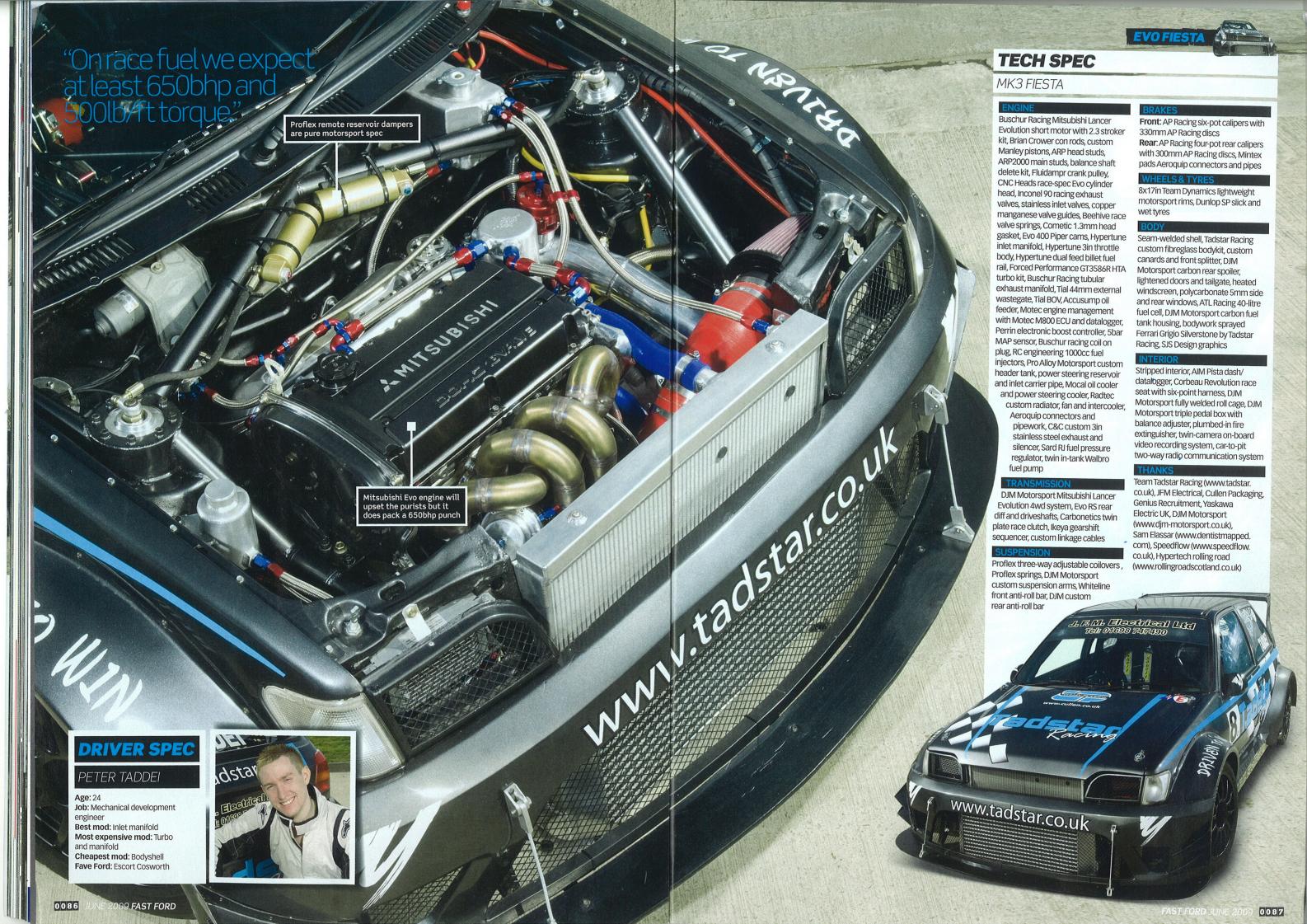
That's enough to difference on track, worthy of all the effort it took to mate the Fiesta to Mitsubishi underpinnings.

Peter's dad David adds: "We're very familiar with Mk3 Fiestas, and they've beaten cars they shouldn't have been able to. We like to prove people wrong.

"We're most comfortable in cars of the Fiesta's size, so we considered a Mk6 shell. But the Mk3 is the strongest and lightest of all the Fiestas."

Rather than rebuilding its 2008 racer, the team opted to create a whole new machine (the only part carried across was a windscreen wiper) from an unused, unregistered shell that had been stored in wax. It was









to accommodate the Evo setup's additional girth – factory Mitsubishi driveshafts means costs can be kept down.

Peter says: "We made it all from fibreglass, including the bonnet and tailgate. All the windows except the heated windscreen are polycarbonate. We've got spares of everything painted and ready to be fitted, just in case."

The team bought and fitted a fullrace, 450bhp Evo engine, then handmade a wiring loom. "The standard engine loom is 9kg," reckons David. "Our whole loom – including a Motec ECU loom – is 3kg. There's no point carrying all that extra weight around the track."

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A new motor was needed, and the team did it properly. The guys sourced a block and internals from Buschur Racing in America, had a head built by CNC and got it put together by race engine specialist Agra Engineering in Dundee. Sam 'The Dentist' Elassar (so-called because he's a dentist, funnily enough) mapped it and can even access the car's ECU remotely via a laptop and mobile phone.

Peter says: "We had the car on the rolling road but we don't have an exact figure because it's so light and has too much torque. It was wheelspinning from 6500 to 8000rpm. On race fuel we

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The Fievo's debut finally arrived at Knockhill Racing Circuit in October 2008. But things didn't exactly go to plan... Peter groans: "The day before the race I drove it for four laps, then the carbon-fibre spoiler collapsed because of the speed on the straight – it was hitting 140mph. On the second test I was three laps in and the back window flew out. Then I changed gear too hard and the stick came off.

"On race day it was pretty quick, even though it wasn't set up. I got sixth place in the first race, and had a good battle with a Lamborghini – I got past him off the grid and kept him behind me. But all weekend the car was losing water through a pinhole in the cylinder head and was down on power. The engine was knackered, when it was stripped down, they found thrust bearings in the sump."

expect at least 650bhp and 500lb/ft torque."

With that kind of grunt in such a lightweight shell you'd assume the Fievo to be a nightmare to control, but not so. That's the beauty of a bespoke race machine designed by experts. "It was built to fit me, so it's perfect. It's so easy to drive - you just point it and it goes where you want. In our first race we were three seconds off the pace of Andrew Gallacher, which was closer than I expected, considering we had less power. Apparently his car is heading over the 700bhp barrier, but we're hoping it'll be too laggy and have reliability issues," Peter states.

With 16 races to compete in 2009, Tadstar Racing still has essential setting-up, tweaks and improvements to make its Fiesta unstoppable. All that's left is to drive it, and take the championship...

