BUILD THE

BACK TO THE FUTURE™ DELOREAN

ISSUE 13









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UNIVERSAL

BUILD THE

BACK TO THE FUTURE DELOREAN

ISSUE 13





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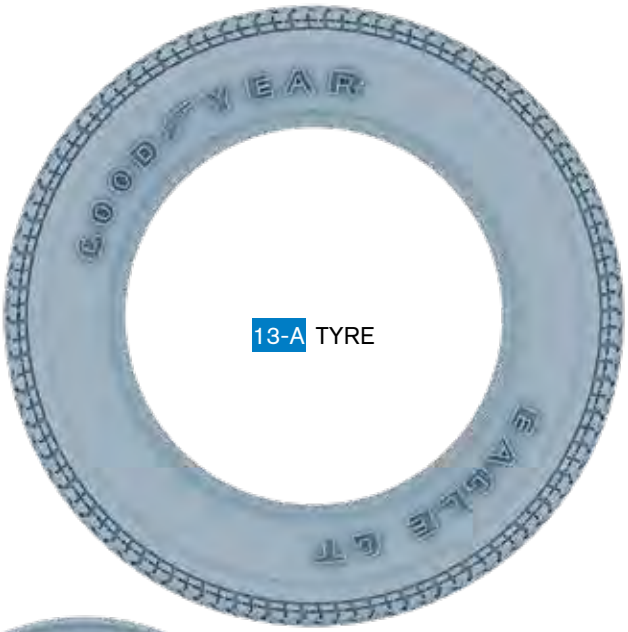




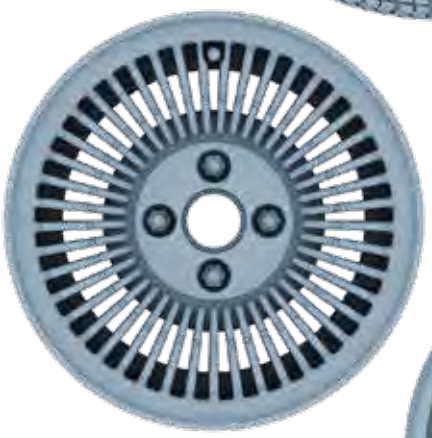


YOUR CAR PARTS

With this issue you receive the parts for a rear wheel, including the tyre, rim and hubcap.



13-A TYRE



13-B HUBCAP

13-C RIM





13-D HUB



13-E WASHER



3x BP SCREWS



1x GM SCREW

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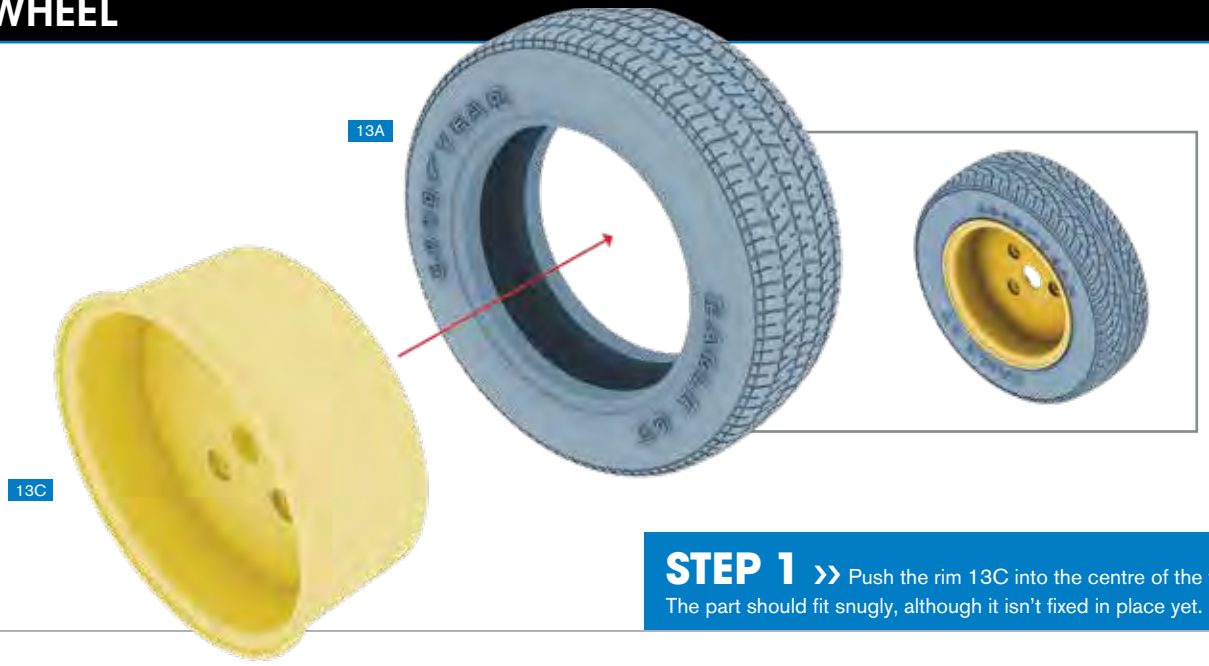
DRIVE TIME



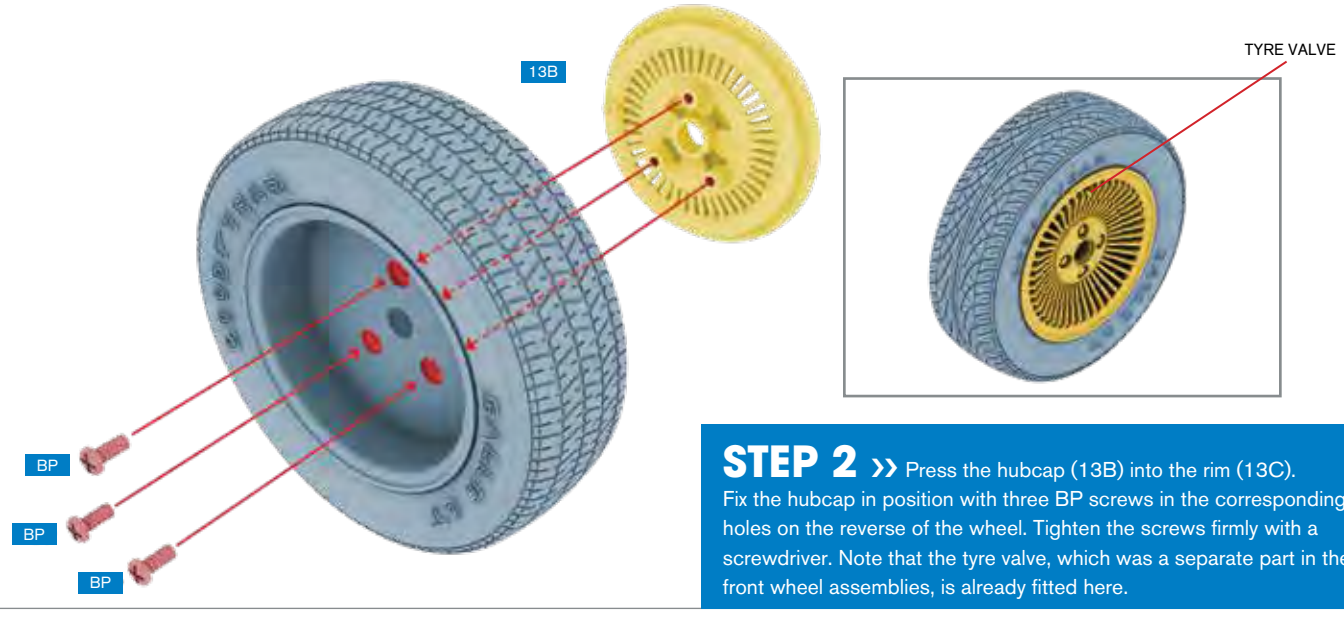
Fit the left rear wheel to your DeLorean!

Follow these step-by-step instructions to add the third of the four wheels to your DeLorean.

THE WHEEL

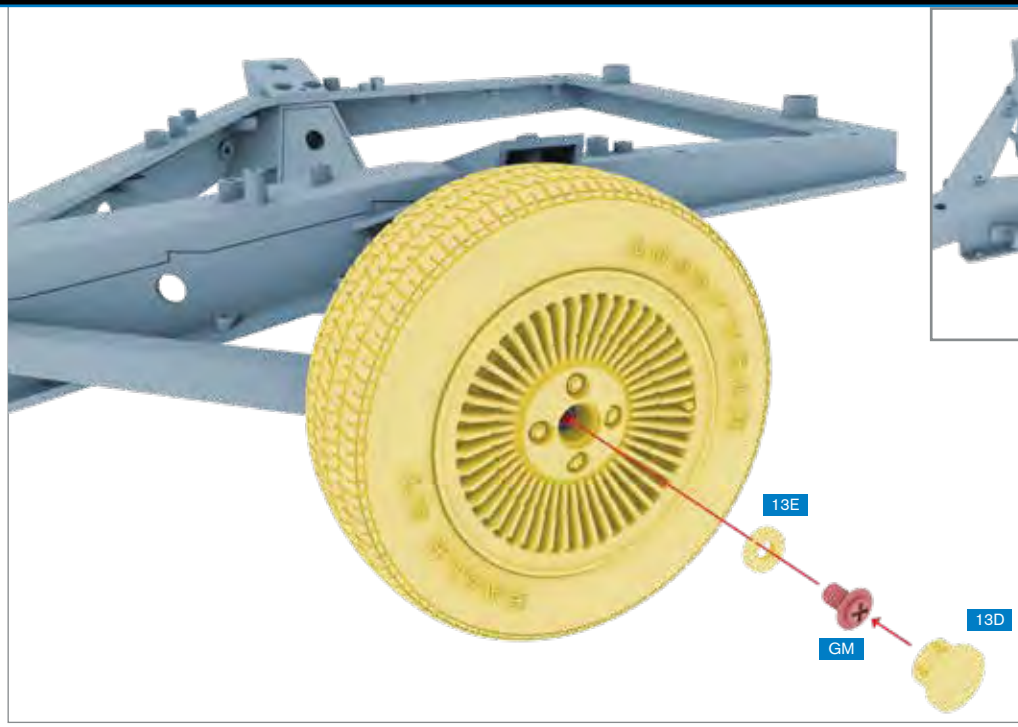


STEP 1 » Push the rim 13C into the centre of the tyre 13A. The part should fit snugly, although it isn't fixed in place yet.



STEP 2 » Press the hubcap (13B) into the rim (13C). Fix the hubcap in position with three BP screws in the corresponding holes on the reverse of the wheel. Tighten the screws firmly with a screwdriver. Note that the tyre valve, which was a separate part in the front wheel assemblies, is already fitted here.

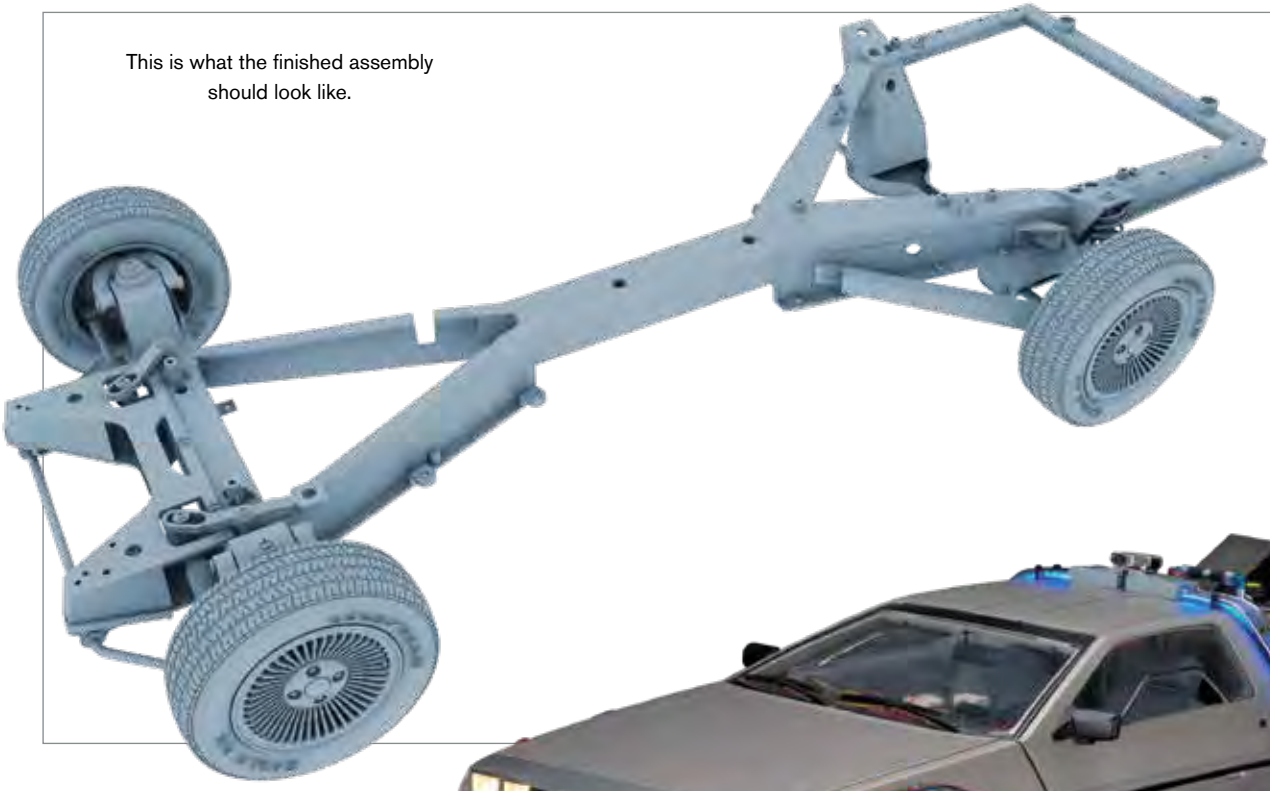
FITTING THE WHEEL TO THE FRAME





STEP 1 » Push the completed wheel onto the brake disc (12K) at the rear left of the frame. Fit the washer (13E) onto a GM screw and tighten with a screwdriver to hold the wheel in place. Press the hub (13D) over the screw.

This is what the finished assembly should look like.





PRODUCTION DIARY

FILMING

Ladies and gentlemen, Michael J Fox is Marty McFly!





HIGH SPEED CHASE
Some of the first scenes that Michael J Fox shot as Marty involved driving the DeLorean at Puente Hills mall.

For his first days on *Back to the Future*, Michael J Fox stayed in Malibu in a beach house that was rented by Steven Spielberg. There he met Robert Zemeckis and Bob Gale, and there was an immediate rapport between the creators of *Back to the Future* and their new star. There were costume fittings for Fox, and Marty's costume was altered to a more informal look which now included the famous orange 'life preserver'.

At Puente Hills mall, the crew carried on for another two days, filming shots of Christopher Lloyd as Doc that didn't feature Marty. "There was no preparation for me at all," Fox recalled later. "Just all of a sudden I was on board. A week later I was in a parking lot in Pomona, freezing cold at 2.00 in the morning, doing the stuff with the DeLorean and the Doc. It was really gruelling, but it was my dream."

On 15th January 1985, Fox filmed his first scenes, dressed in a radiation suit – watching Doc load the plutonium in the DeLorean, then taking off to outrun the Libyans.

DOC WORRIES

Christopher Lloyd was not fazed by the prospect of working with a 'new' Marty, although he was sad that Stoltz had to leave and hadn't found anything lacking in his co-star's performance. "I had no idea it was going to happen," he said. "I thought Eric was wonderful, but the film demanded something different, so in came Michael." Lloyd's main concern was that he might not be able to capture the spark of his earlier performances. "I'd spent six weeks sweating with every single take. I felt that I had really given 100 per cent, to do what I'd done as well as I could – and I had no idea whether I'd be able to summon that up again." Lloyd's worries were unfounded and he was undoubtedly able to capture Doc Brown's manic energy a second time around.

Lloyd and Fox were two experienced comedy actors who knew how to play off each other, and their pairing had other advantages – the obvious height difference between the two made Marty seem younger, emphasising the relationship between pupil and mentor.

ENTHUSIASM

As Eric Stoltz had been thoughtful and reserved, Michael J Fox was outgoing and chatty with the crew. He was excited to find himself actually working on the movie that he'd heard about – and dreamed of being a part of – while he was filming *Teen Wolf*. He cheerfully introduced himself to everyone on set, although, given that he was the



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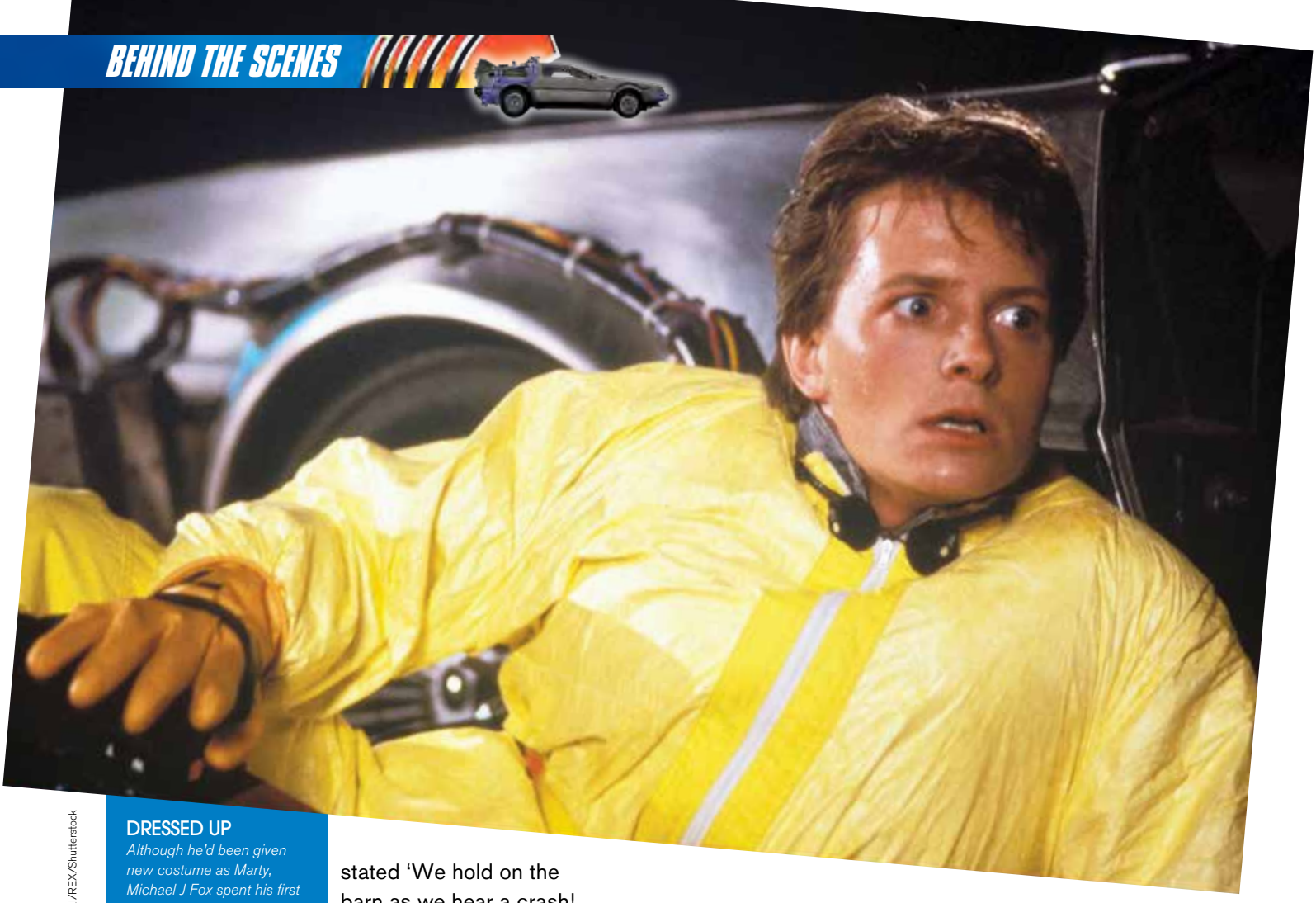
WELCOME ABOARD, KID
Christopher Lloyd need not have worried that he would not be able to recapture the energy of his earlier performances when he came to reshoot scenes with Michael J Fox as Marty.

star of *Family Ties*, the second-highest-rated show on US television, this probably wasn't entirely necessary. As filming went on, Fox's enthusiasm invigorated the production team, and reassured many of those who were unsettled by the change of actor.

CRASH LANDING

The next evening, the crew moved to the Golden Oak ranch in Newhall, a property owned by the Walt Disney company, where filming continued with the DeLorean arriving in 1955 and crashing into the Peabodys' barn, scenes that hadn't been filmed with Eric Stoltz. The camera directions

> "There was no **preparation** for me at all. Just, all of a sudden, I was **on board.**"
>
> MICHAEL J FOX



© Universal/REX/Shutterstock

DRESSED UP
Although he'd been given new costume as Marty, Michael J Fox spent his first nights on set in a yellow radiation suit.

stated 'We hold on the barn as we hear a crash! Hay, dust and stunt-chickens fly out the doors.' The effects crew was on hand to ice up the DeLorean with liquid nitrogen and provide explosions for the blasts from Pa Peabody's shotgun. For one of the three days allotted to this sequence, Michael J Fox was required for the *Family Ties* studio recording, so his place (in the radiation suit) was taken by stuntman Dick Butler. It was a step up for Butler – just a few days beforehand he'd doubled for Einstein the dog in the 'remote controlled' DeLorean!

BACK IN TIME

For the next few days, everyone was back at Puente Hills mall to complete the early DeLorean sequences, and Christopher Lloyd found himself repeating scenes that he thought he'd finished just days before. But the actor had established a happy rapport with his new co-star. "The chemistry with Michael wasn't something we had to work for or worry about," Lloyd said. "I don't think it was anything we planned and talked about, it was just there, it was innate. There was a different, more heightened energy with Michael than there had been between me and Eric, but I only saw that by contrast."

> **"There was a different, more heightened energy with Michael."**
>
> CHRISTOPHER LLOYD

Bob Gale noticed that Fox, as a TV-trained actor, had a different approach to Lloyd, who was theatre-trained. Fox would learn his lines scene by scene and wasn't afraid to ad lib – indeed, some of the film's funniest lines (including Marty's first line "Rock and roll!") are ad-libs from Fox.

For his part, Fox was quick to appreciate that Lloyd had a vital job in the movie in making the convolutions of the plot both clear and credible to the audience. "In all that madness, what he was doing was really important stuff," Fox admitted. "He was laying out the rules, laying out the road map of what we were going to do. That's all exposition, it's a thankless job, but Chris raised it to an art form." ■

TO BE CONTINUED....

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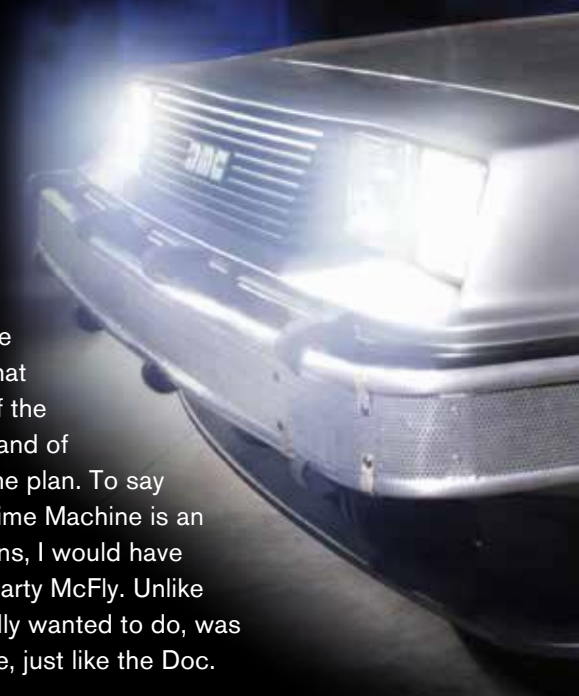
NEW KID ON THE BLOCK
Michael J Fox brought a new face and a new energy to the set of Back to the Future.



RESTORING THE DELOREAN

BY JOE WALSER

A fascination with Doc Brown's Time Machine would ultimately led Joe Walser to restoring the actual DeLorean used to make the movies. Joe begins the story as he sets out to build an immaculate replica of the original...



I'm a firm believer in density… I mean, destiny. Probably has something to do with my fairly mammoth appreciation for *Back to the Future*, the top grossing movie of 1985 and, in my opinion, one of the few nearly perfect films ever produced. That summer, I spent as much time in the theater watching *Back to the Future* as possible, wholly enchanted by the DeLorean Time Machine and what it represented to me in future terms, both symbolically and literally. This Time Machine was clearly unlike every previous movie incarnation of a time machine, skilfully and thoughtfully designed by the production team to look as if the time vehicle had actually been assembled by a genius crackpot scientist in his garage, technically extraordinary, extraordinarily dangerous and dangerously… functional.

BEHIND THE CURTAIN

Like essentially everyone else, I spent the rest of the '80s and '90s wearing jean jackets and red swoosh Nike's, I even still own an accurate pair of (now vintage) Bruins. However, as much as I appreciate all things Marty McFly, it was really always Doc Brown with whom I more closely associated. Marty was on the adventure of all time, but Doc was the man behind the curtain. Doc was the inventor, the architect and the fabricator of the Time Machine vehicle. It was Doc that was responsible for the plan and it was Doc that was always painfully aware of the consequences of time travel and of deviating the slightest from the plan. To say that I adored the DeLorean Time Machine is an understatement. Like most fans, I would have given a lot to drive one like Marty McFly. Unlike most fans, though, what I really wanted to do, was give even more, and build one, just like the Doc.

FOR SALE, ONE TIME MACHINE

About ten years ago, in 2006, I found a reasonably priced 1981, Grey Interior, Manual, DeLorean DMC in great condition for sale locally and I went to check it out. As the owner pointed out the few defects, like the glove box's inability to stay stay closed, it became more and more obvious that this car wanted to become a Time Machine. The only dent would be conveniently covered by one of the Time Machine components.

© Joe Walser



READY FOR THE FUTURE

Joe Walser's quest to make an exact replica of the DeLorean Time Machine would pay dividends when he was called upon to restore the original movie car – the results can be seen above.

> "To say that I **adored** the **DeLorean Time Machine** is an understatement."
>
> JOE WALSER



© Joe Walser

MUSEUM QUALITY
Joe Walser with the restored movie DeLorean at the Petersen Museum in Los Angeles.

> **"It was the most difficult, but most rewarding treasure hunt ever."**
>
> JOE WALSER

The glove box would never need to close, because it would house the Roentgen meter panel, which would keep me up to date about the radiation levels in the Plutonium reactor that would eventually give me the 1.21 Gigawatts required for time travel.

At least... the plan was for my time machine to look *exactly* right. 100% visual accuracy was the goal. It had to be perfect. 'Betty' would become the first, truly accurate Delorean Time Machine replica in the world, but it would take years of research and digging before the majority of the Time Machine components would be discovered or properly re-created.

IMPORTANT DETAILS

Back to the Future was finally released on DVD in 2002, which is arguably what both re-sparked my obsession and began the original mini-revolution of a handful of other similar-minded people who, in one form or another, shared this vision. Before the release of the DVD, it was virtually impossible to get clear enough reference of the Time Machine's components from a VHS tape to even begin identifying shapes, much less parts. Thanks to the DVD though, you could finally begin to see some of the important identifying details.

Between that, a few great production photographs of the DeLorean Time Machine that showed up online, and countless weeks of physically searching through military and aerospace surplus yards until each part had been identified and more importantly, located, it was finally possible, given the proper motivation, location and arsenal, to create an accurate DeLorean Time Machine replica.

One by one, I assembled the ultimate DeLorean Time Machine builder's team. We would eventually use our vast collection of Time Machine knowledge to restore the actual DeLorean Time Machine for Universal Studios – but more on that in the (very near) future. My team members came



© Joe Walser

RESTORED IN TIME
The meticulous detail of the work by Joe and the team is immediately apparent in this view of the DeLorean's time controls.

from all sorts of unlikely places and had a wide array of professions. Art directors, industry prop builders, bionics engineers, mechanical engineers, robotics engineers, CAD artists, firemen and EMTs [emergency medical technician], prop archivists and filmmakers.

Other Time Machine builder groups existed, but there was a deep fracture forming inside the newly budding community. Building Time Machine replicas for sale and supplying Time Machine components to other fans that weren't do-it-yourselfers was becoming big business, and when money is on the line, people get… distracted. My team went offline, dug in together and drew our line in the sand. Our goal wasn't to sell DeLorean Time Machines or Time Machine parts, it was to help work together and help each other achieve our common goal: to build our own perfect DeLorean Time Machine replicas.

EVERY PERFECT FLAW

My team worked tirelessly to nail every single minute detail (many still not yet released publicly) out of a deep love and respect for the trilogy and vast admiration for the original production team and designers. We were not interested in building time machines; we were building *the* Time Machine. While others expanded their marketing, we expanded our knowledge of the details; every perfect flaw, every screw, every screw rotation, every weld direction. Many people on the team discovered details that are now officially named after them. It was the most difficult, but most rewarding treasure hunt ever, and it led to the most historic fan restoration of the most historic movie vehicle of all time.

A DELOREAN DESTINY

It's still not 100% clear to me whether I actually chose this enormous project – which led eventually to the museum quality restoration of the actual screen used DeLorean Time Machine from the *Back to the Future* franchise for Universal Studios – or if the project chose me. Perhaps as I sat in the theater, watching *Back to the Future* for the first time, I'd already gotten the restoration gig and I simply had to wait 30 years before I could complete it. One thing was certain, no one who knew me growing up was the least bit surprised when I first shared the news of the future restoration; as my brother said, "Joe, I think everyone saw this coming…"

TO BE CONTINUED...



> "You want a **Pepsi**, pal, you're gonna **pay** for it!"
>
> LOU





LOU'S CAFE

MALTS, SUNDAES & BURGERS

For the teenagers of Hill Valley in 1955, Lou's Cafe is the place to be seen.

Lou's Cafe is the epicentre of Hill Valley's teen scene in 1955, presided over by Lou Caruthers, a no-nonsense proprietor of the old school. When Marty McFly wanders in, still bewildered to find himself in 1955, Lou is instantly wary. He thinks Marty is a sailor who's jumped ship, because he's clearly wearing a life-preserver. He's even more suspicious because the kid doesn't seem inclined to buy anything. Marty asks for a Pepsi Free, and Lou tells him gruffly "If you want a Pepsi, pal, you're gonna pay for it!" (You can buy a cup of coffee for five cents at Lou's but you have to endure the awful puns – 'Our coffee "urns" high praise'!)

What Lou lacks in conspicuous charm, he makes up for in business acumen. The cafe is a smart place, with gleaming plastic table tops and lots of chrome, and after school, it is packed with the youth of Hill Valley, some dancing, all enjoying Lou's selection of sandwiches, shakes, burgers and ice cream.

Keeping the place clean is a boy called Goldie Wilson, who says he's going to night school to make something of himself. Marty recognises him immediately and knows that in 1985, Goldie is no less than the Mayor of Hill Valley!

In Lou's cafe, Marty meets his father George McFly, and encounters the 1955 version of Biff Tannen. It's also where he pens a dreadful warning letter to Doc Brown, telling the scientist that in 1985, he will be shot and killed... ■

THE PROPRIETOR: *Cafe owner Lou thinks Marty is a sailor who's jumped ship.*

QUICK FACTS!

WHO'S LOU?

The actor playing Lou Caruthers in *Back to the Future* is Norman Alden, who was born in Texas in 1924. From the late 1950s, he appeared in more than 200 films and TV series, often as gangsters, cops or cowboys, but he was given a starring role in 1965 in the film *Andy*, directed by Richard C. Sarafian. Among Alden's many credits are comedies with Jerry Lewis and work with directors including Blake Edwards (*Victor/Victoria*), John Carpenter (*They Live*) and Tim Burton (*Ed Wood*).

NEXT ISSUE...

REAR AXLE

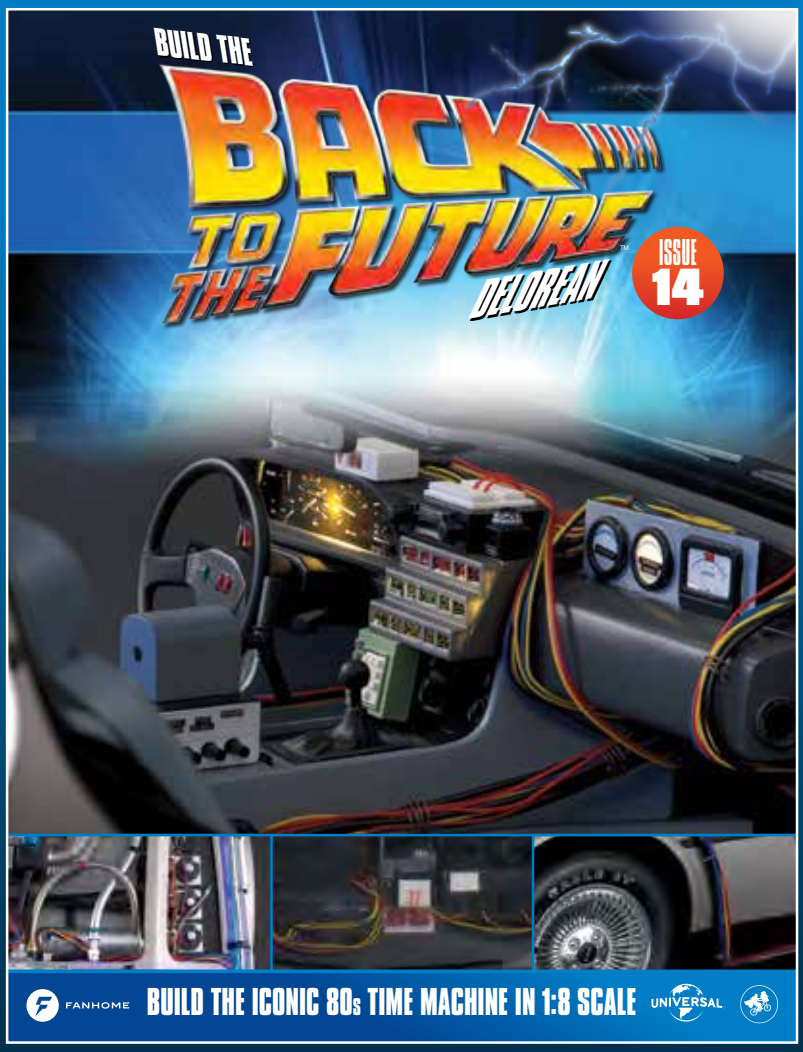
All the parts you'll need for the right rear axle and brake for your DeLorean model.

In the next issue you'll receive these parts for your DeLorean, plus detailed step-by-step instructions telling you how to assemble them.

YOUR CAR PARTS...

RIGHT REAR AXLE AND BRAKE





PRODUCTION DIARY

Continuing our fascinating week-by-week look at the making of *Back to the Future*.

RESTORING THE DELOREAN

More from Joe Walser on the remarkable restoration of the original movie car.

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