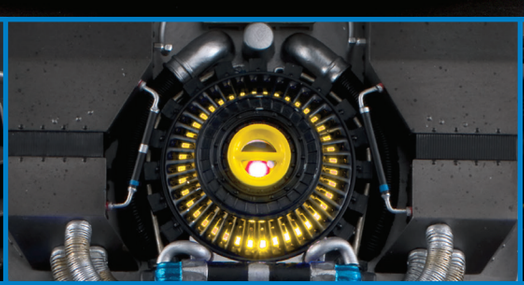
BUILD THE

BACK TO THE FUTURE™ DELOREAN

ISSUE 89









FANHOME

BUILD THE ICONIC 80s TIME MACHINE IN 1:8 SCALE

UNIVERSAL

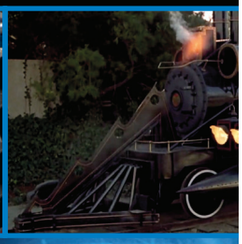
TP_DeLorean_UK_089.indd 1 13/09/2023 18:44

BUILD THE

BACK TO THE FUTURE™ DELOREAN

ISSUE 89





CONTENTS

4 **DRIVE TIME**
Add hinges to the engine cover for your DeLorean model by following the illustrated guide.

6 **PRODUCTION DIARY**
With the DeLorean destroyed, Doc Brown reappears in a new and spectacular time vehicle!

10 **A TIME TRAVELLER'S GUIDE**
Rock legends ZZ Top made a cameo appearance in *Part III* as the band at the Hill Valley Festival in 1885. We look at their epic career!



© 2023 Universal City Studios LLC and Amblin Entertainment, Inc. All Rights Reserved.
© 2023 DeAgostini Publishing, S.p.A. All Rights Reserved.

Creative Director: Maggie Calmels
Managing Editor: Ben Robinson
Art Editor: James King
Writer: Kieran Grant

ISSN: 2057-357X
Printed in Italy/Czech Republic

The price of this issue includes the magazine and the attached pieces for model assembly.

UNITED KINGDOM
Published by DeAgostini UK Ltd c/o Royds Withy King, 69 Carter Lane, London EC4V 5EQ.

UNITED STATES
Published by DeAgostini Publishing USA, Inc. 299 Park Avenue, New York,New York 10171.

TO OUR READERS
The publisher reserves the right to modify any components as required during the course of the collection. Not suitable for children under the age of 14 (12 in the USA). This product is not a toy and is not designed or intended for use in play. The collection is complete in 158 issues. Items may vary from those shown.

WARNING
Any reproduction, even partial, of the contents of the magazine is prohibited without permission from the Publisher. The model and the magazine that accompanies it are strictly for private use, and within the family, in accordance with Article L122 - 5 10 of the Code of Intellectual Property. Any reproduction other than that provided for in Article L122 - 5 20 of the Intellectual Property Code is prohibited. The magazine and/or elements of the collection may not be distributed, loaned, resold, rented or exploited for commercial purposes. All rights reserved.



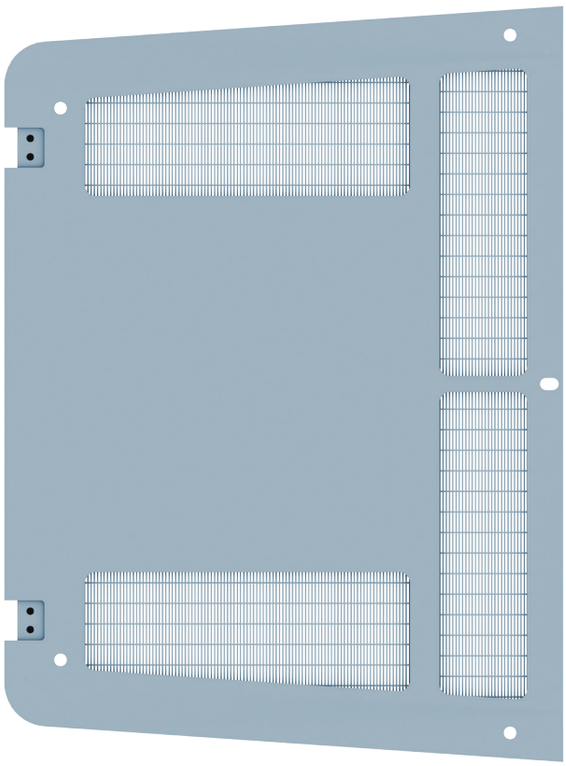




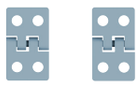
YOUR CAR PARTS

With this issue you receive the engine cover and hinges for your Delorean.

89A ENGINE COVER



89B HINGES X 2



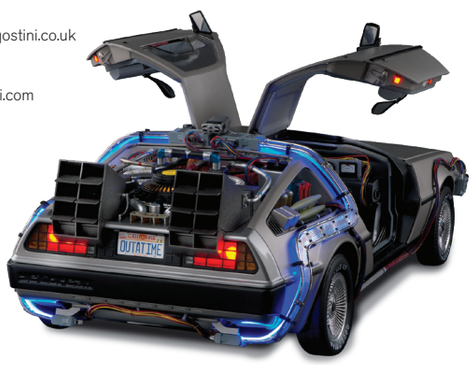
QM SCREW X 4



CUSTOMER SERVICES

UK
Email customer.service@deagostini.co.uk

USA
Email support@usa.deagostini.com



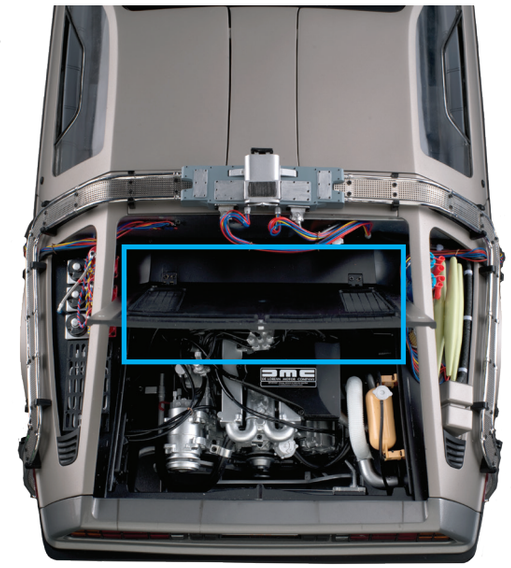
More information
at **fanhome.com**

FS_p02_03_DeLorean_UK_089.indd 3 13/09/2023 18:48

DRIVE TIME

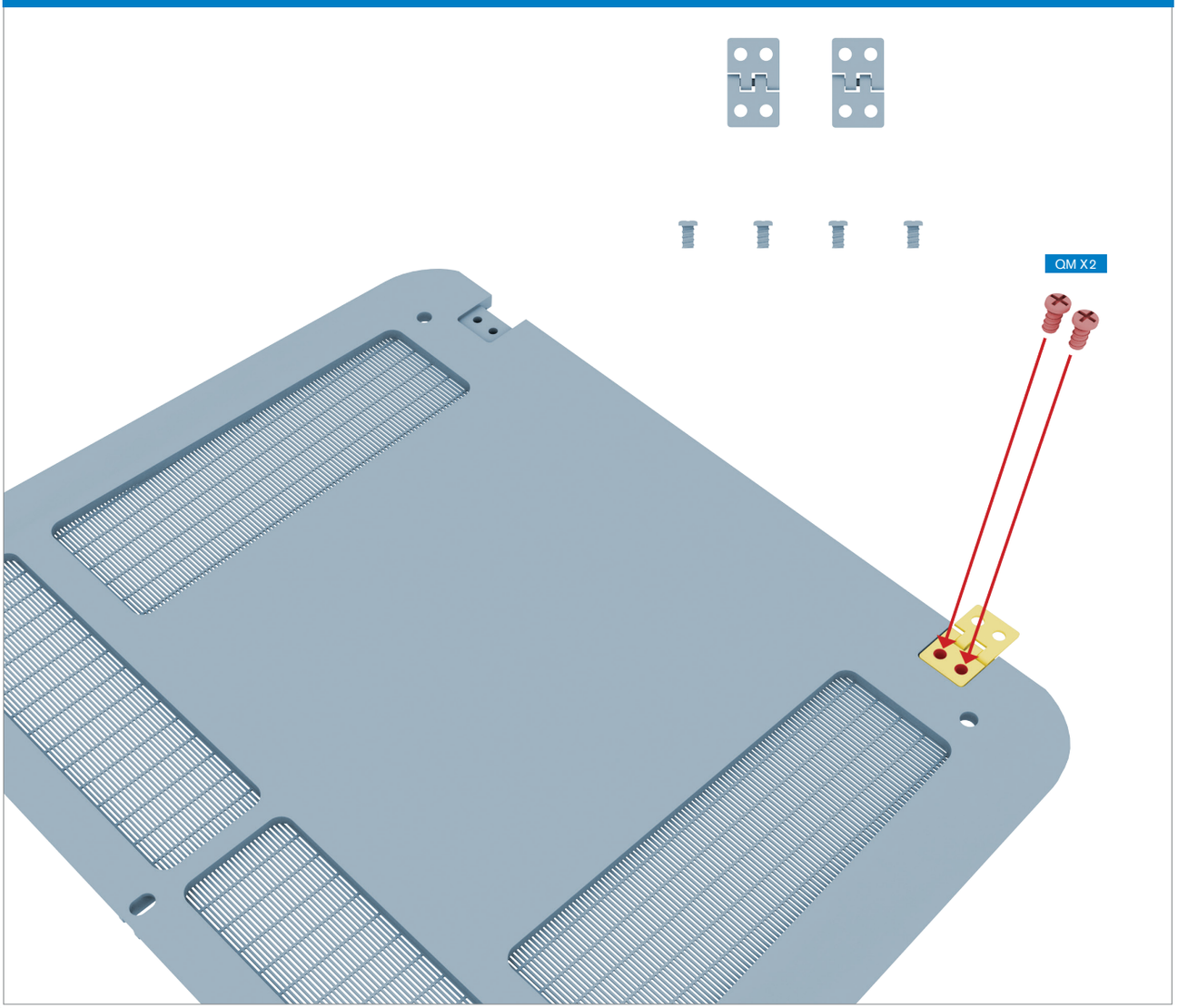
Begin working on the engine cover for your DeLorean.

With this issue, you receive the engine cover for your DeLorean model. Next issue you will fit it to the upper body assembly.



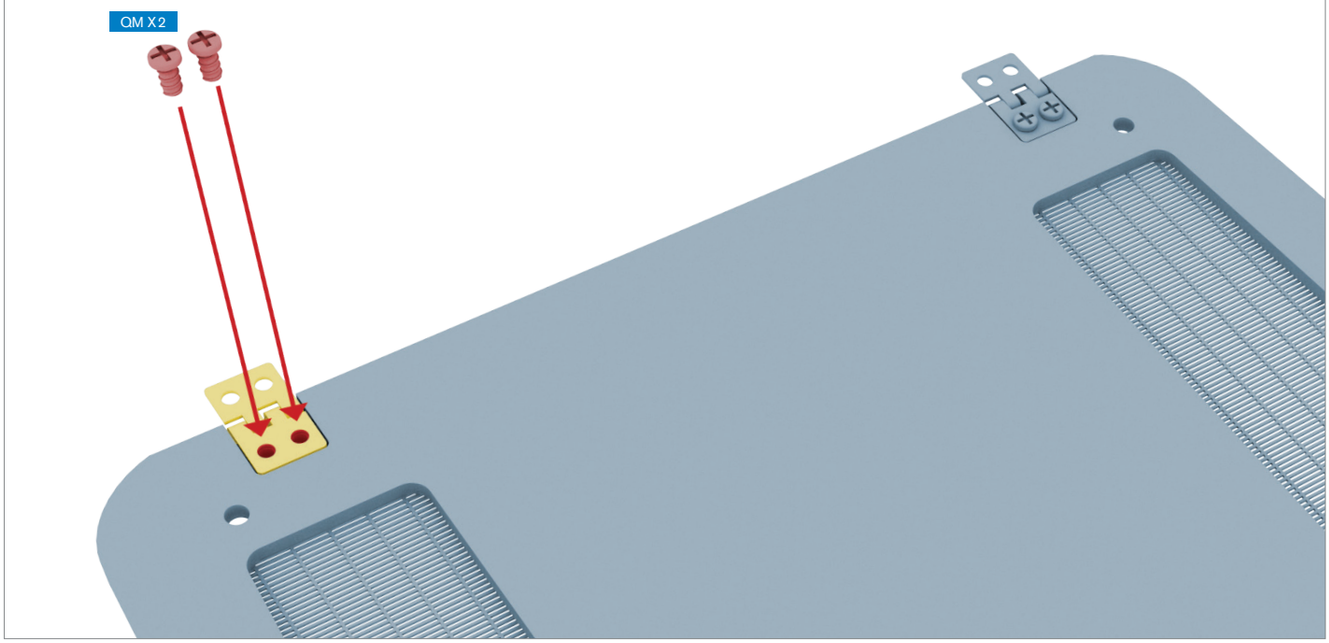
THE ENGINE COVER

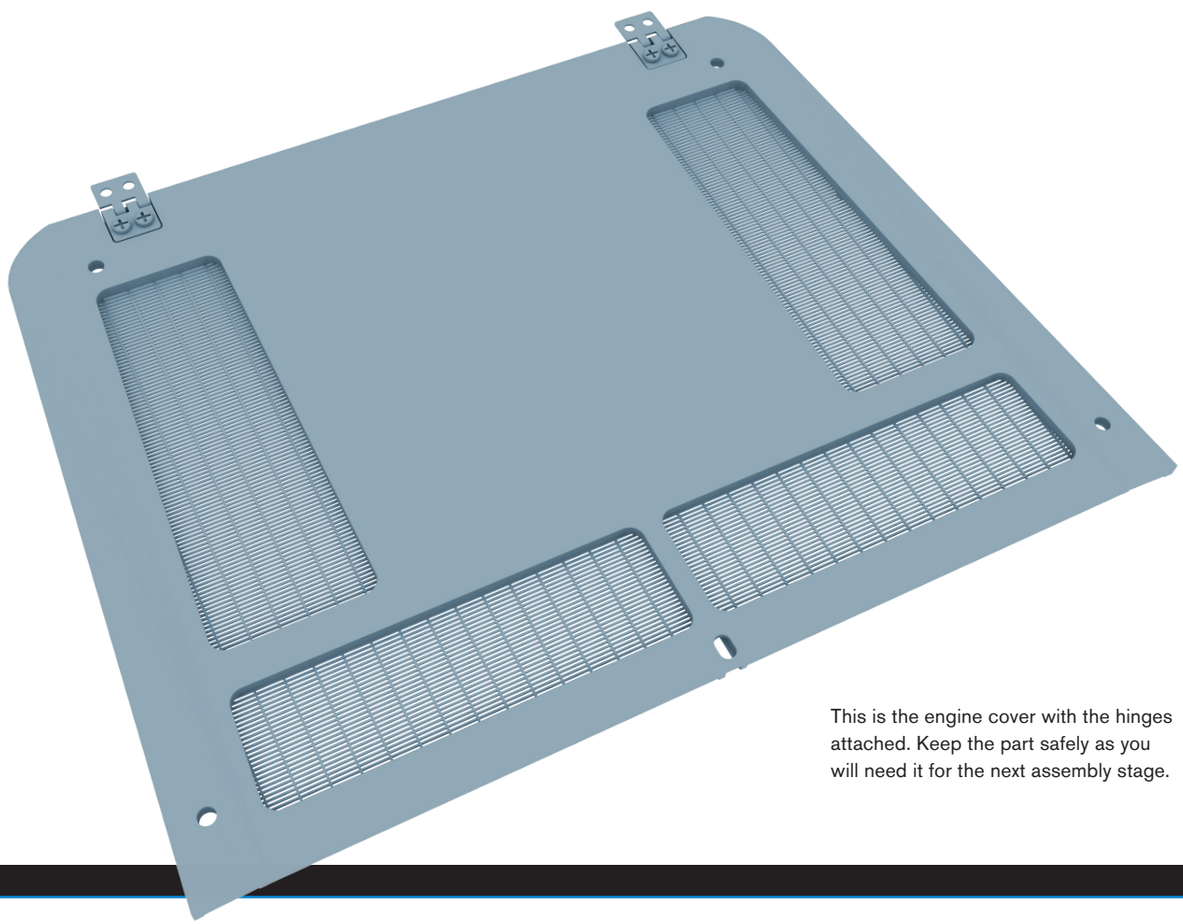
STEP 1 ›› Take the engine cover prt 89A and the two hinges 89B (the two hinges are identical). You will also need the 4 QM screws provided. Fix the right hinge in place with two QM screws.



FS_p04_05_DeLorean_UK_089.indd 4 13/09/2023 18:48

STEP 2 ›› Now fix the left hinge in place with two QM screws.





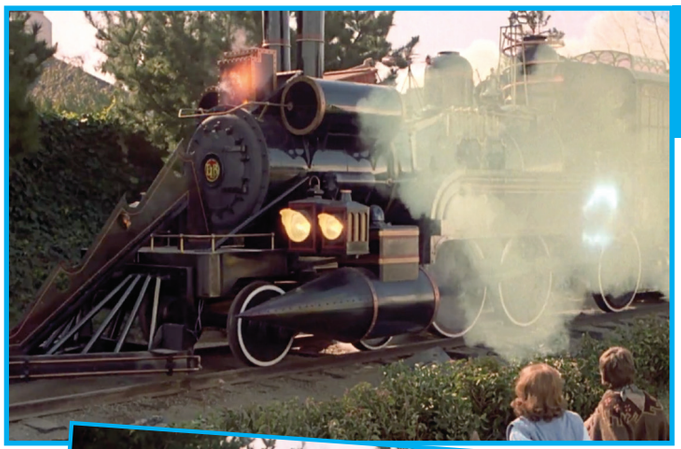
This is the engine cover with the hinges attached. Keep the part safely as you will need it for the next assembly stage.

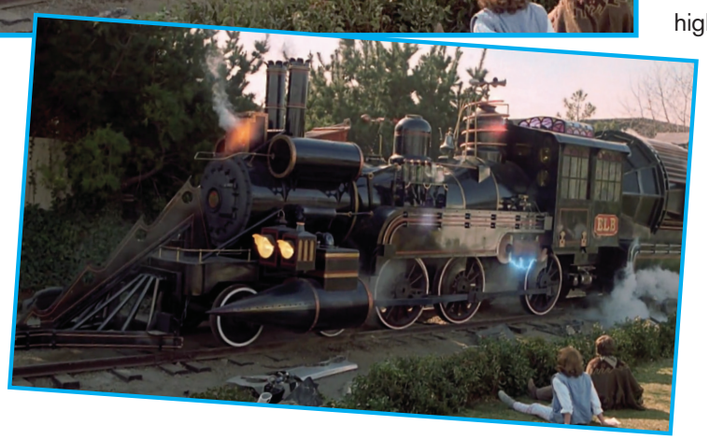
FS_p04_05_DeLorean_UK_089.indd 5 13/09/2023 18:48

TRANSPORT OF DELIGHT

DOC'S NEW TIME MACHINE

A very special vehicle makes its debut in the closing seconds of *Back to the Future Part III.*





STRANGE NEW ARRIVAL
The Jules Verne train arrives in Hill Valley in 1985. Additional sparks and steam effects were added by ILM animators in post-production.

Doc's most fantastic creation was christened the Jules Verne train. It was developed from sketches by production illustrators Marty Kline, Simon Wells and John Bell, and like the hi-jacked locomotive in 1885, the vehicle was realised as both a full-size prop and a highly-detailed miniature.

After the destruction of the DeLorean time machine, Marty and Jennifer return to the site of its demise, where wreckage is still strewn alongside the railway tracks. Then they hear a signal bell and the level crossing gates close. What's going on? Seconds later, with a flash that knocks them both to the ground, an incredible machine materialises – a huge black locomotive, looking like something from the imagination of Jules Verne, and bearing the initials 'ELB'. Who else could it be but Doc Brown?

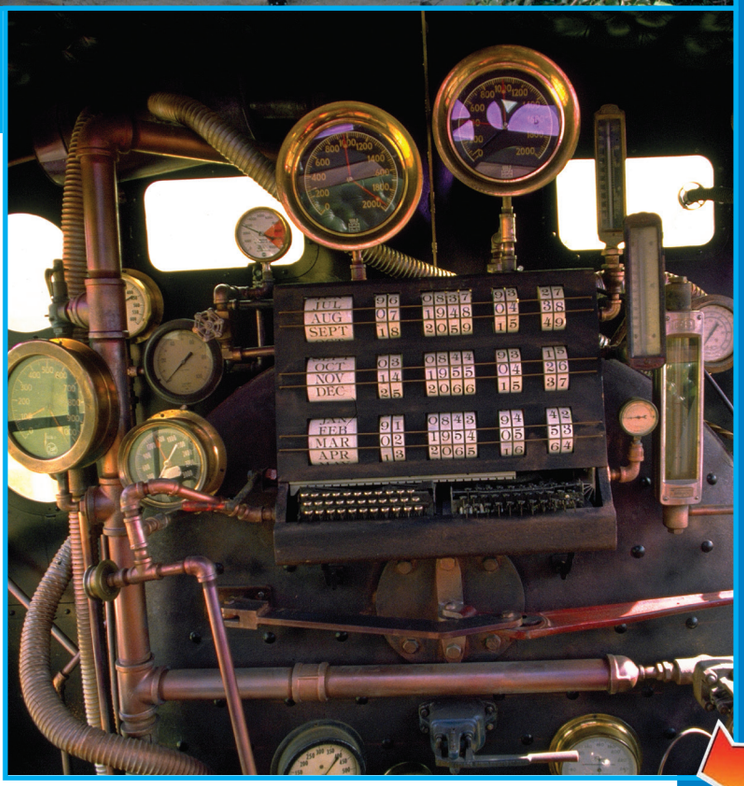
BUILDING THE TRAIN

The train-sized version of Doc's time train was built from scratch out of sheet aluminium and wood, as the film's mechanical effects supervisor Michael Lantieri explained. "It had its own on-board steam boiler and its own generator, and the wheels were real railroad wheels that lifted up hydraulically and folded underneath to begin the sequence of the train flying. It also had phony wheels made of fibreglass. All the whistles and bells and gizmos worked, and the doors opened hydraulically. It had air, hydraulics, electricity, friction, you name it, we had it!"

Effects technician Mark Noel supervised the building of the prop. "It was Mark's gag," said Lantieri. "I told him to just keep building until we needed it. It was almost like an art project. You could never find a finished set of drawings for the

FS_p06_09_DeLorean_UK_089.indd 8 13/09/2023 18:49





GOING LOCO

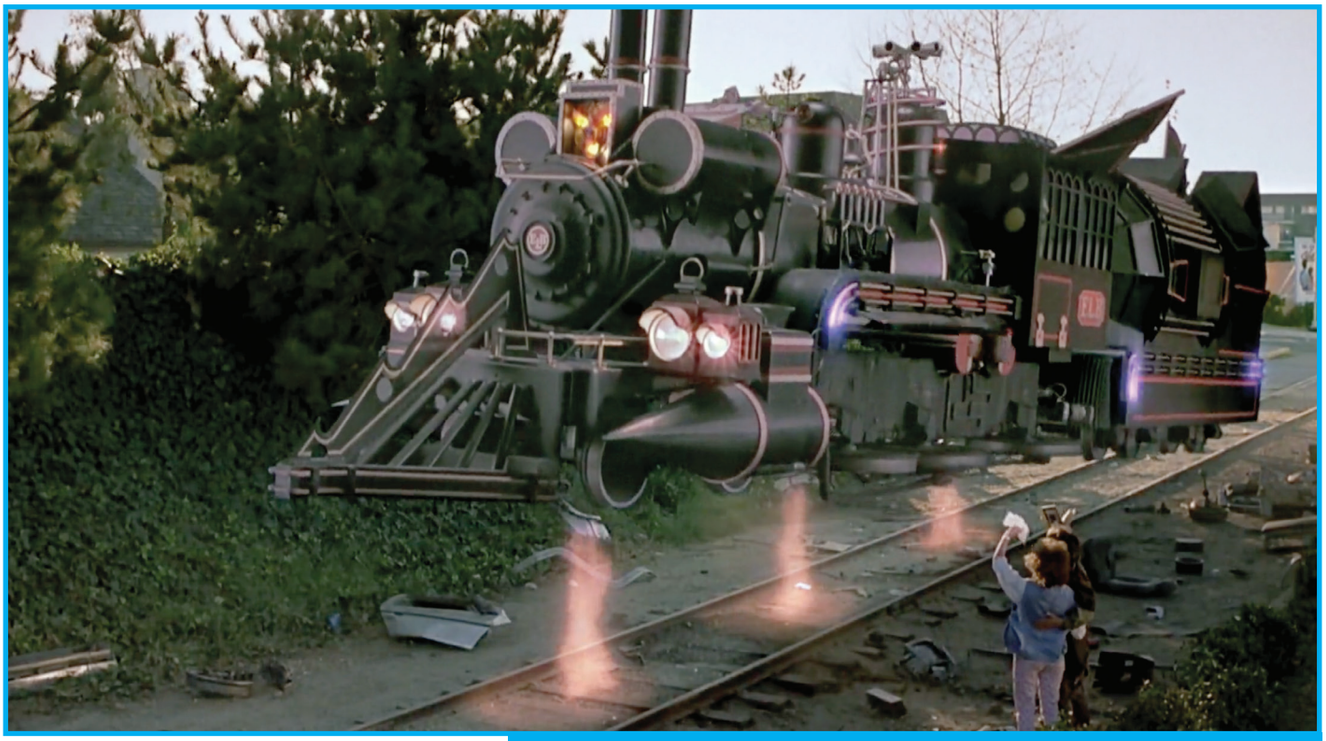
The time-travelling train featured a flux capacitor which can be seen in the box in front of the two funnels. A view of the interior of the cabin (right) shows the retro-style time circuits.

train, it evolved. Mark and (production designer) Rick Carter just kept sticking more things on."

The whole construction was moved along by a railway truck that was disguised in the back of the coal tender, but the driver on board was completely enclosed and had to receive cues from the rest of the crew via a radio headset. Thankfully, the Jules Verne train only had to make a relatively short, slow journey down a length of straight track.

The completed train was 70 feet long (21m), 15 feet tall (4.5m) and weighed 14 tons. "When we got it to the location, there really was no way you could hide it," said Lantieri, "but we were worried about people seeing it because it was the big surprise for the end of the movie. So we draped it in canvas and built a sort of house around it on location, just to stop people from taking pictures of it."

FS_p06_09_DeLorean_UK_089.indd 9 13/09/2023 18:49



THE TRAIN NOW DEPARTING

Marty and Jennifer bid farewell to Doc Brown and his family as the Jules Verne train takes off. Opposite top, the full-size train on display at Universal Studios.

The miniature version of the Jules Verne train, at one-tenth scale, was still seven feet long. It had an aluminium chassis, a fibreglass boiler and a cabin made of perspex. Laser-etching (a relatively new technique at the time) was used to create the delicate arched windows.

MAGNIFICENT MODEL

Scott McNamara, model maker and effects technician at Industrial Light & Magic, was the team leader on the model. He said, "Seven or eight other model makers worked on it. The turbo exhaust at the rear was built by Larry Tan and it was made from aluminium to absorb some of the heat from the high-intensity lights that were put inside it."

The train had 24 different moving parts with motors, McNamara said, "crammed in all over the place" inside the body to make them move. The drive wheels rotated over then extended out and started to chug. Above the wheels were little doors which opened up and the wings came out. Space inside the model was at such a premium that the wings were segmented and stacked up on top of each other inside the boiler.

Steve Gawley, an ILM model-maker who had worked on many genre projects including the first *Back to the Future*, *Star Wars* and *Star Trek: Wrath of Khan*, was another of the technicians working on the train. He said "In my opinion it was one of the most beautiful models we ever built at ILM." Motion control expert Peter Daulton was responsible for filming the train's take-off, which was a mammoth undertaking as it required a motion-control rig to synchronise the train's movements with the camera moves as it lifted into the air.

MAMMOTH RIG

"We thought it would be nice," Daulton explained, "as the train took off, that the engine would rise first and then the second car would follow, and then have it bend a little as it turned. Two motors were put inside the second car to enable it to turn sideways and up-and-down in relation to the engine."

In the end, Daulton had to bring two motion control systems into service to make the train fly. "There were 20 motors on the train," he said, "and the motion-control system only ran 16 channels, so we doubled up to give us 32. But we needed eight channels for the camera and four for the model mover, so we were using pretty much everything we had."

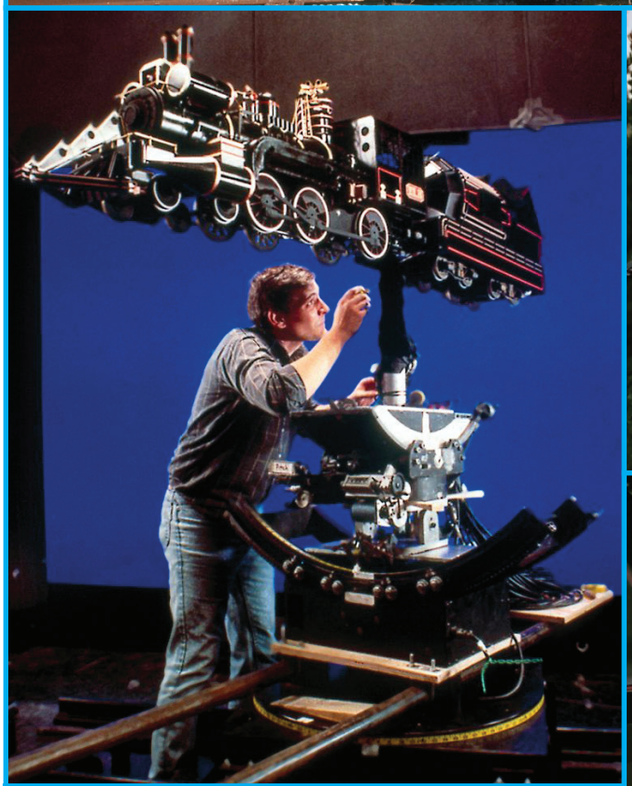
ILM's animators added a specially adapted 'time-slice' effect as the train disappeared off on its next journey. Everyone involved with *Part III* agreed that the Jules Verne train gave the film, and the trilogy, the send-off it deserved. ■

TO BE CONTINUED...

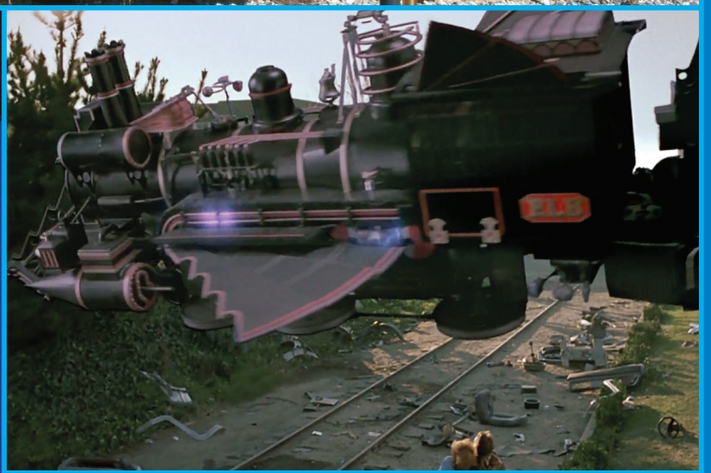
FS_p06_09_DeLorean_UK_089.indd 10 13/09/2023 18:49



© Jan Walters/Alamy Stock Photo



© Snap Stills/REX/Shutterstock





MOTION-CONTROL MAGIC

This photo shows the detailed model that was used for the Jules Verne train sequence, on the motion-control rig. Right: The model version of the Jules Verne train rises into the air, courtesy of ILM.

FS_p06_09_DeLorean_UK_089.indd 11 13/09/2023 18:49



© Ron Galella, Ltd. Getty Images



© Ron Galella, Ltd. Getty Images

Left and above: Frank Beard, Billy Gibbons and Dusty Hill, better known as ZZ Top, at the premiere of Back to the Future Part III *in Los Angeles.*

ZZ TOP

LEGENDS OF ROCK

The chart-topping band were guest stars at the Hill Valley Festival in 1885.

Legendary American band ZZ Top have been filling stadiums with their epic sound for nearly 50 years. The band formed in 1969 in Houston, Texas, and since 1970 has comprised guitarist and lead vocalist Billy Gibbons (the band's leader, main lyricist and arranger), bassist and lead vocalist Dusty Hill and drummer Frank Beard, famously the only member of the trio who is clean-shaven.

Their debut album, appropriately titled *ZZ Top's First Album*, was released in 1971. They began by playing blues-inspired rock, then developed an amalgam of new wave, punk and dance-rock, adding synthesizers to the mix and spicing up their lyrics with double entendres and innuendo. Their signature 'growling guitar' sound emerged in the album *Tres Hombres* in 1973, which became their first Top Ten disc and made them *bona fide* stars. The band's top-selling album, *Eliminator* (with the number-one track 'Gimme All Your Lovin') was released in 1983, selling more than 10 million copies in the United States alone.

Back to the Future creators Robert Zemeckis and Bob Gale were both big fans of the band, so ZZ Top were welcome guests at the Hill Valley Festival in *Part III* and provided the track 'Doubleback Again' for the film's closing credits. ■

QUICK FACTS!

TOP OF THE POPS

- When Billy Gibbons started ZZ Top in 1969, he was joined by Lanier Greig on keyboard and Dan Mitchell on drums. After their first single, Greig stepped down, replaced by Billy Etheridge, while Mitchell was replaced by Frank Beard. When Etheridge quit, Dusty Hill, who had worked with Beard for several years, came on board, and the trio was complete.
- Gibbons thought up the band's name, noting that many successful performers used initials, such as BB King and ZZ Hill. His initial idea of ZZ King quickly became ZZ Top.
- Music writer Michael Koda said "Billy Gibbons is one of America's finest blues guitarists working in the arena rock idiom, while Hill and Beard provide the ultimate rhythm section support."

FS_p10_11_DeLorean_UK_089.indd 10 13/09/2023 18:49

NEXT ISSUE...

ENGINE DETAILS

Add more details to the cover for your DeLorean's engine.

In the next issue, you will receive these details for the engine cover and affix them by following the illustrated guide.

YOUR CAR PARTS...





FINAL TOUCHES

The crew returns to Universal Studios to film a few remaining scenes for *Back to the Future Part III.*

PICTURE CREDITS: All photos © Universal except where stated.

BUILD THE

BACK TO THE FUTURE™

DELOREAN

FANHOME

UNIVERSAL

F230FSC089

TP_DeLorean_UK_089.indd 2 13/09/2023 18:44