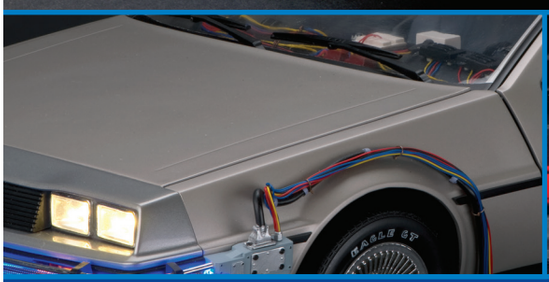
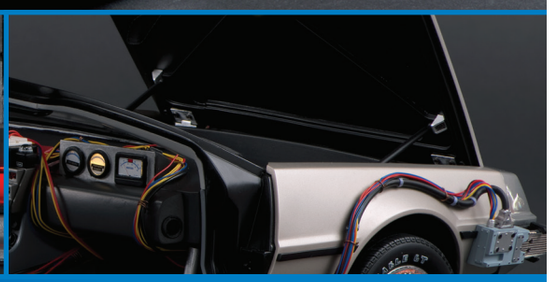
BUILD THE

BACK TO THE FUTURE™ DELOREAN

ISSUE 83







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

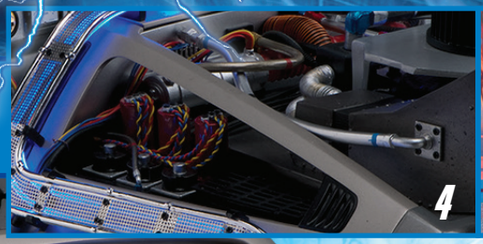
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BUILD THE

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ISSUE 83





CONTENTS

4 **DRIVE TIME**
Add more details to the engine surround for your DeLorean, using the illustrated guide.

8 **PRODUCTION DIARY**
Filming the DeLorean at the drive-in as Marty sets off on his adventure to Hill Valley 1885.

10 **A TIME TRAVELLER'S GUIDE**
Monument Valley, used as a backdrop in *Part III*, is one of the most famous movie locations in the USA.

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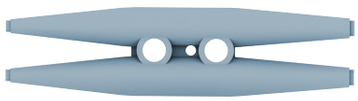


YOUR CAR PARTS

With this issue you receive more details for the right side of the engine surround.

83A PIPE



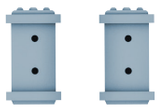


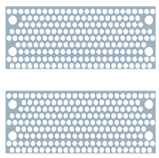
83B CARTRIDGES



83C CARTRIDGE

83C CYLINDERS

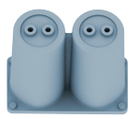




83C MESH

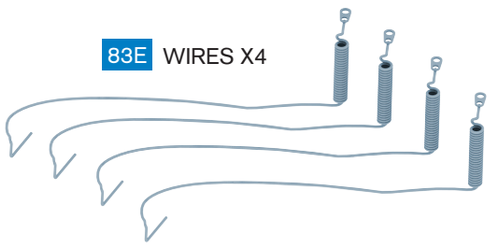
83F BASE





83G BLUE STORAGE UNITS

83E WIRES X4



83K WIRE LOOP



83I TAB



83J TAB



AM SCREW X 3



AP SCREW X 6



MP SCREW X 8



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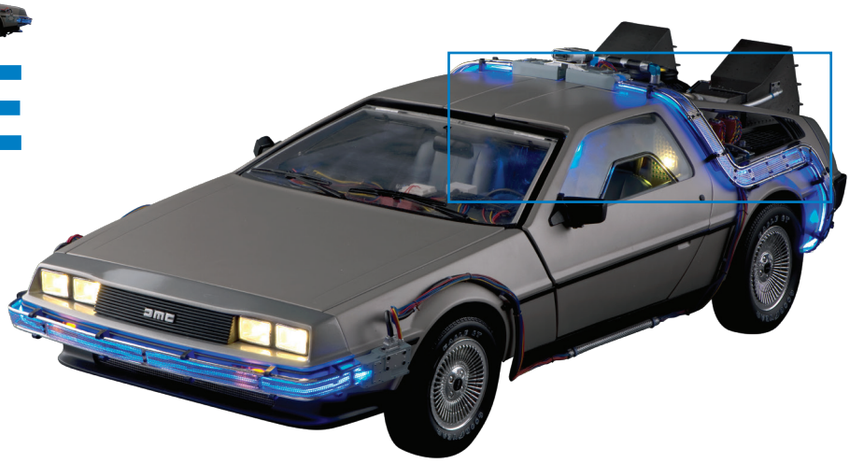


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DRIVE TIME

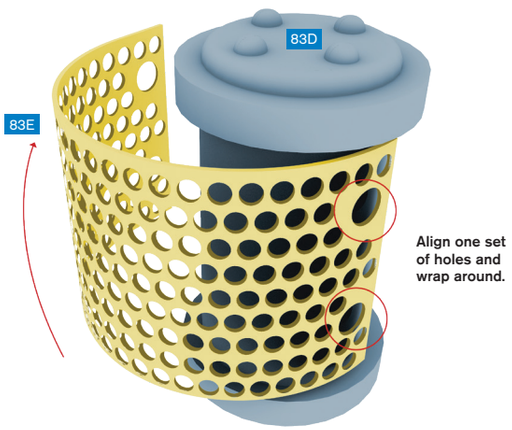
Add more details to the engine surround of your DeLorean.

Follow the step-by-step instructions to construct and add more details to the right side of the engine surround.

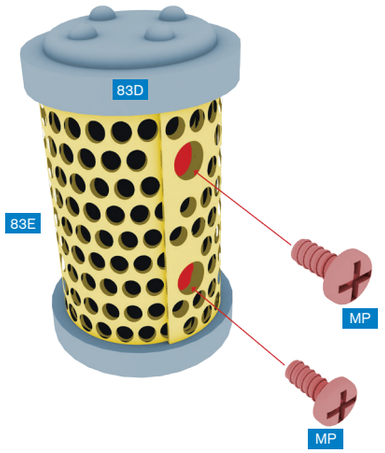


ENGINE SURROUND

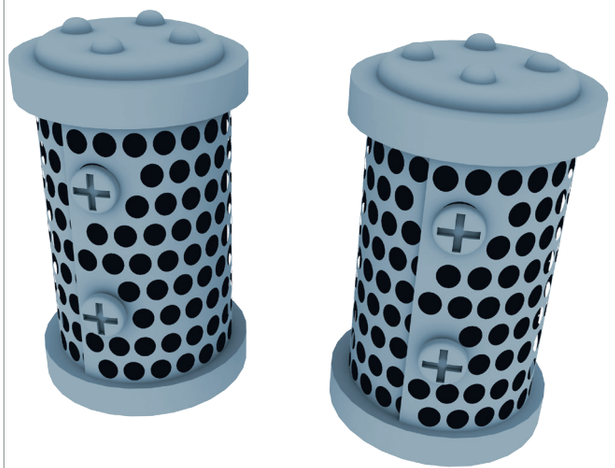
STEP 1 ›› Take one each of the parts 83D and 83E. Align the holes in 83E with the holes in 83D and wrap around as shown.



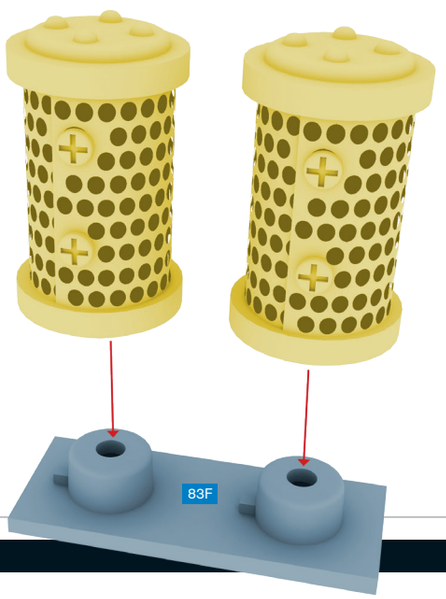
STEP 2 ›› Hold 83E in place with two MP screws as shown.



STEP 3 ›› Assemble the other parts 83D and 83E in the same way.

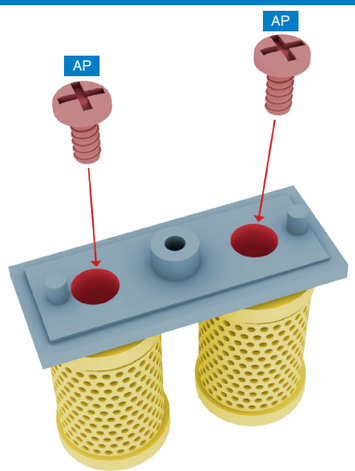


STEP 4 ›› Push the two assembled pieces into place on part 83F as shown.

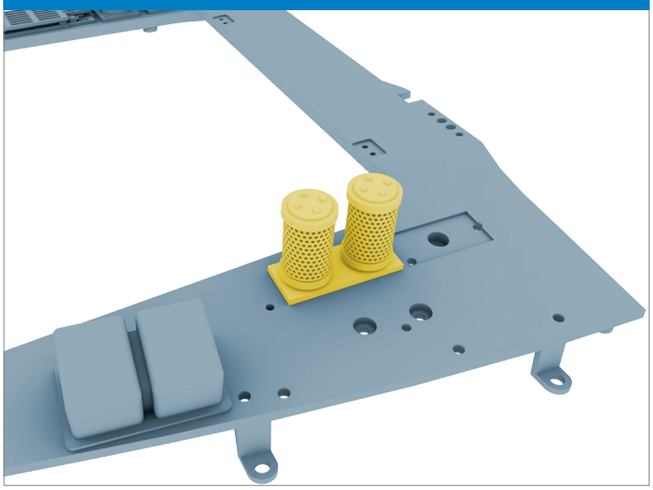


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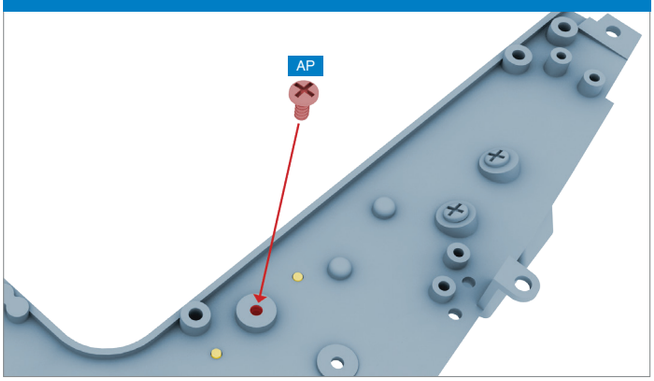
STEP 5 ›› Hold the assembled parts 83D, 83E and 83F together as shown with two AP screws.



STEP 6 ›› Push the assembled parts into place on the right side of the engine surround as shown.



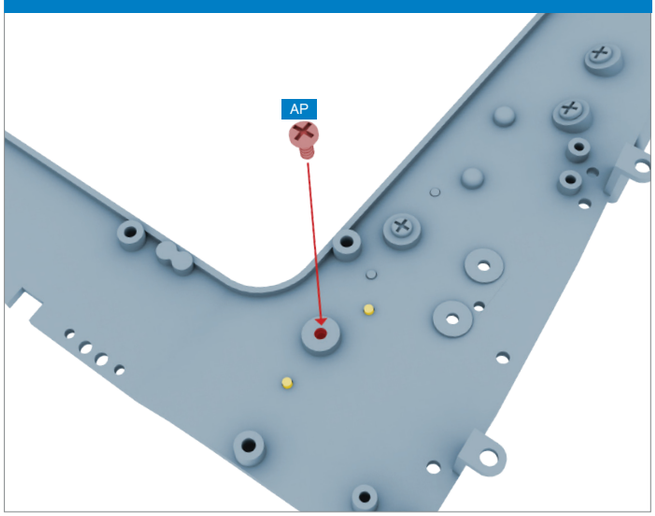
STEP 7 ›› Fix in place with an AP screw in the hole shown.



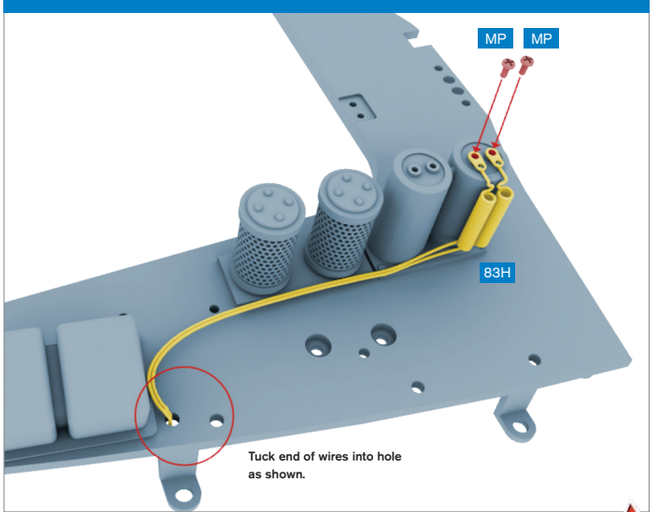
STEP 8 ›› Push part 83G in place next to the assembled parts.



STEP 9 ›› Fix 83G in place with an AP screw as shown.

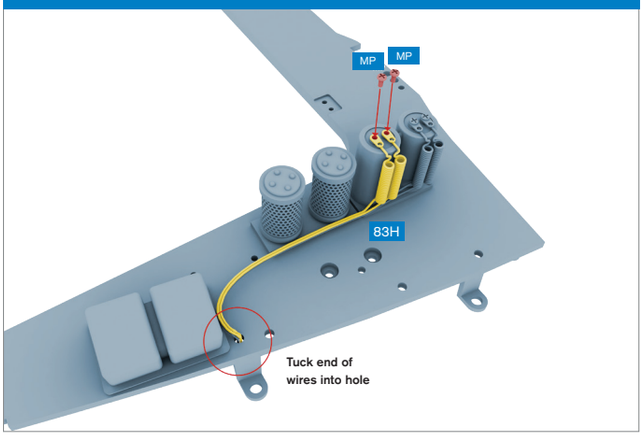


STEP 10 ›› Fix two 83H wires in place with two MP screws.

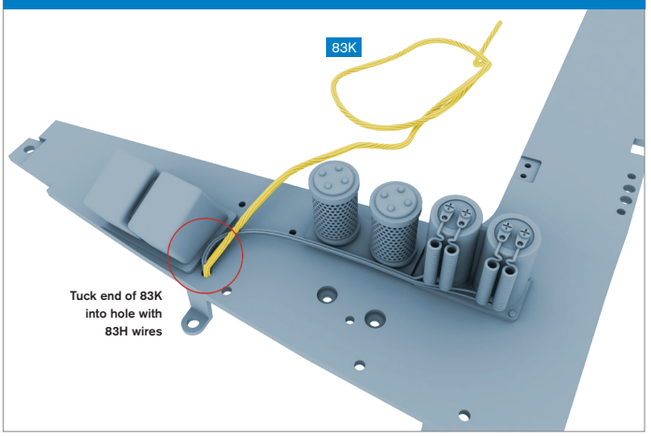


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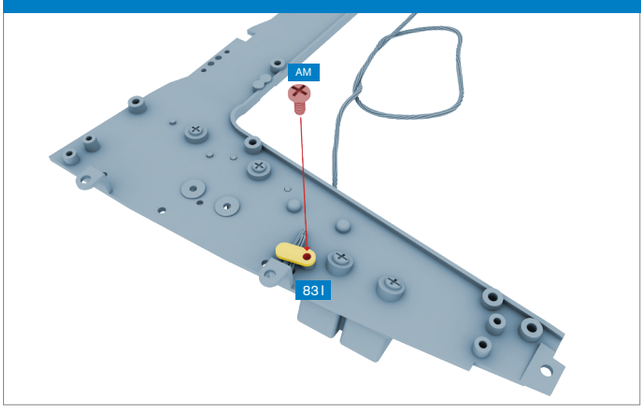
STEP 11 ›› Fix two more 83H wires in place on top of part 83G with two MP screws as shown.



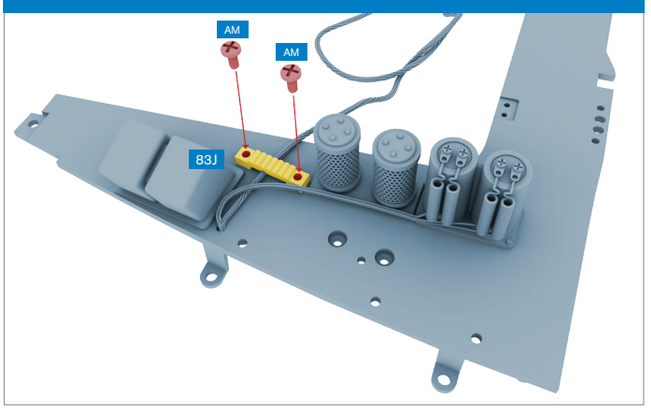
STEP 12 ›› Push the end of wire loop 83K into the hole shown along with the 83H wires.



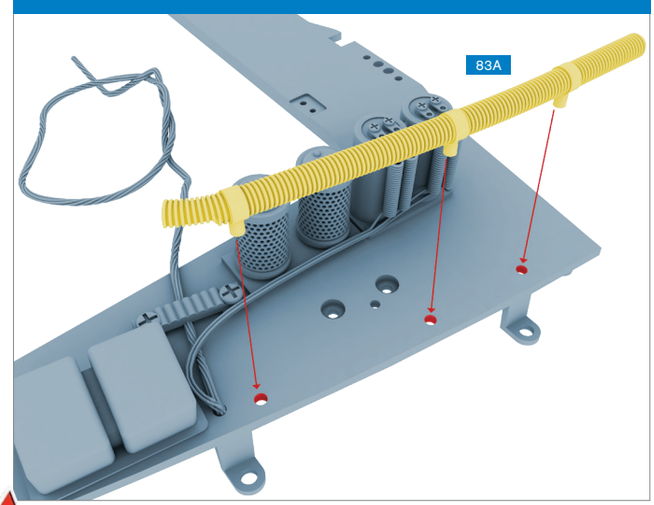
STEP 13 ›› Hold all the wires in place on the reverse with the tab 83I and an AM screw.



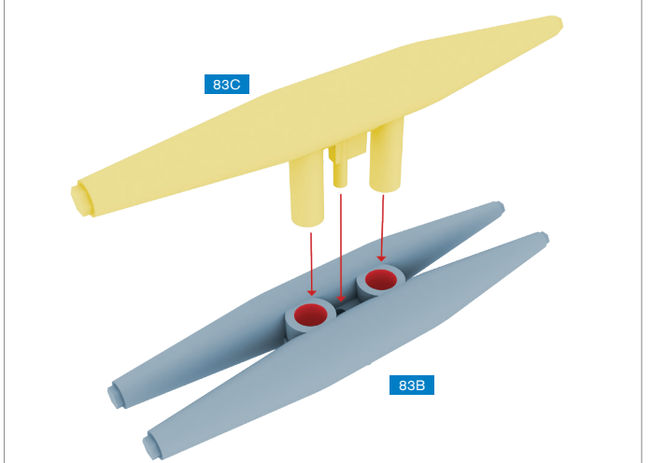
STEP 14 ›› Hold the wire 83K in place as shown with tab 83J and two AM screws.



STEP 15 ›› Push pipe 83A into place by aligning the three posts with the holes shown.

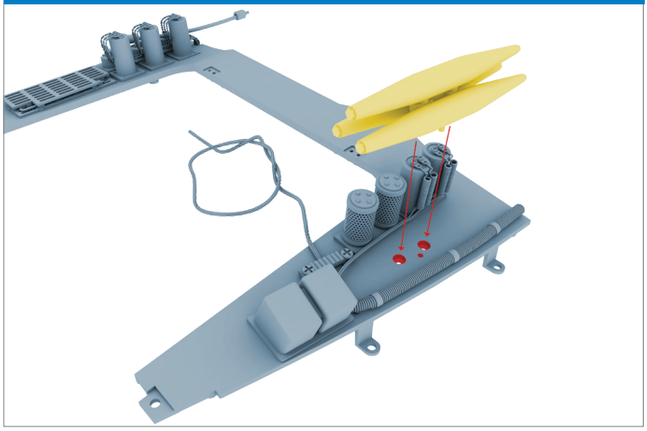


STEP 16 ›› Push part 83C into part 83B.

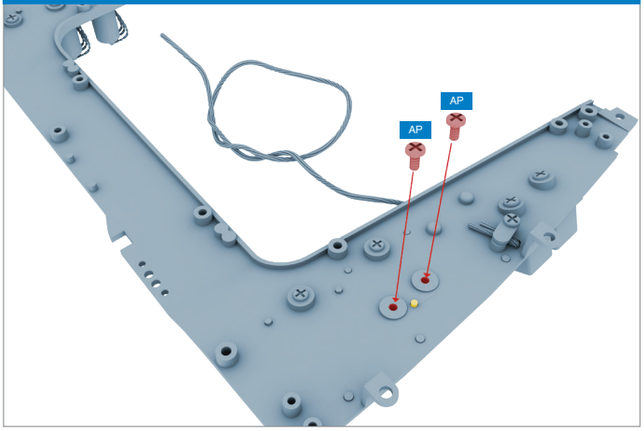


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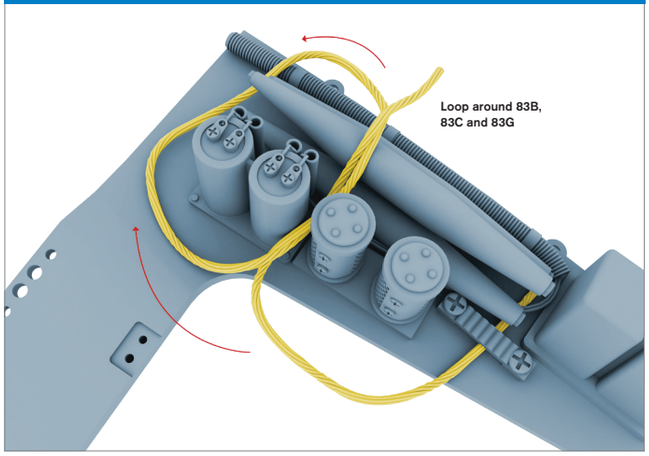
STEP 17 ›› Push parts 83B and 83C into position by aligning the posts with the holes shown.



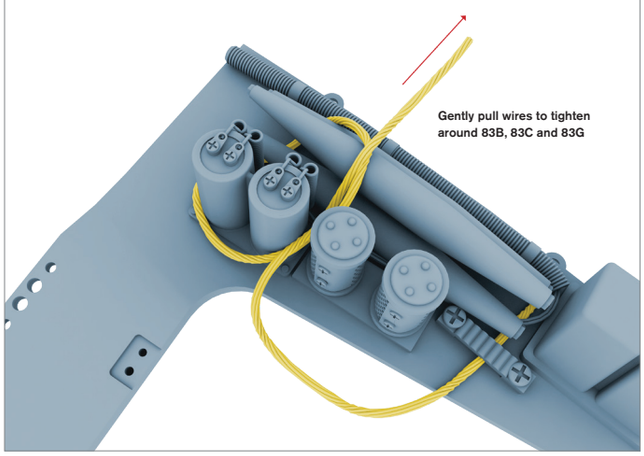
STEP 18 ›› From the other side, fix the pieces in place with two AP.

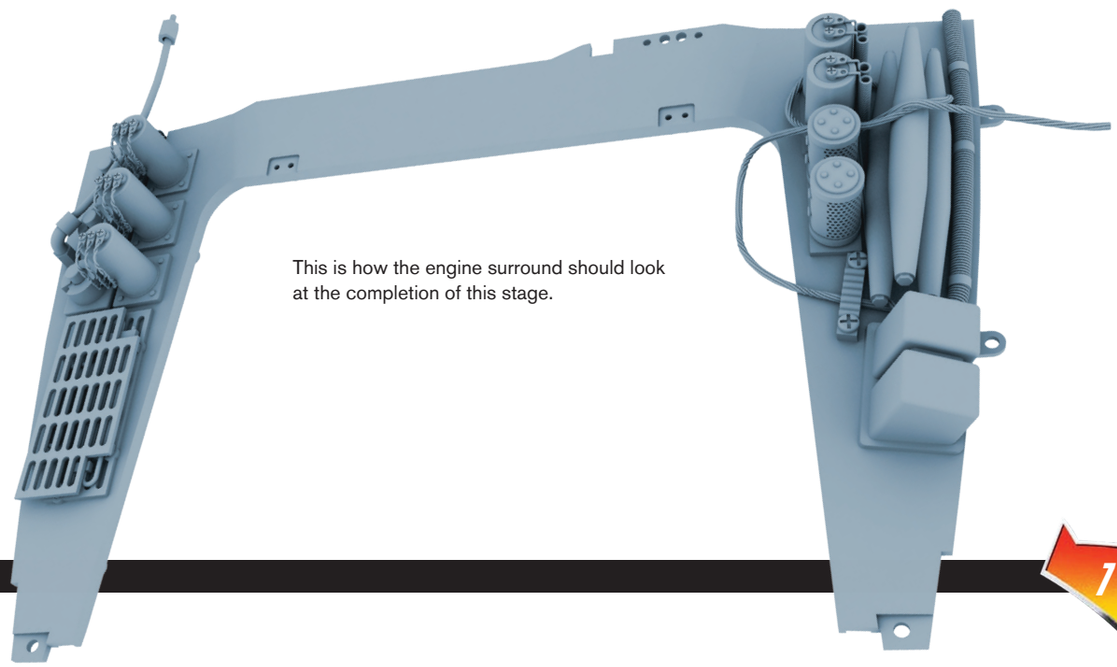


STEP 19 ›› Loop the wires 83K loosely around 83B, 83C and 83G as shown. Wire must pass under 83B.



STEP 20 ›› Gently pull 83K to tighten around the parts shown.





This is how the engine surround should look at the completion of this stage.

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TAKE-OFF AT THE DRIVE-IN

A PORTAL TO THE PAST

In November 1989, the crew of *Part III* returned to Monument Valley to film Marty's departure from 1955.



Marty's take-off point to travel to Hill Valley in 1885 is the Pohatchee Drive-In, a remote open-air cinema some distance from the town. To create the drive-in, the crew moved back to Monument Valley in Utah in November 1989, several weeks after first visiting the location.

Because the valley is part of a Navajo Tribal Park, and a protected area, the filmmakers had to liaise with the Navajo nation, assuring them that all the scenery erected would be cleared away once they had finished, and that they would replant any vegetation they had removed. The crew also had to repair the single road that led from the top of the ridge to the valley before they could bring their equipment down.

SENSE OF HUMOUR

To show the change from the popular 1950s idea of a Western to the 'real' Old West, the location was dressed with brightly-coloured teepees and jokey signs. "Luckily, the Navajos had a sense of humour about it," said production designer Rick Carter. "We were making fun of the Western more than we were the Indians, nonetheless we were designing it around really

COWBOY OUTFIT

Joanna Johnston's costume for Michael J. Fox was displayed at a London auction house.

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IN MONUMENT VALLEY

Director Robert Zemeckis with the 'Wild West' mural from the drive-in, and the landscape of Monument Valley in the background.

© Universal/Kobal/REX/Shutterstock

corny teepees and exaggerating how silly the Western version was in the 1950s."

This sense of the ridiculous carried through to Joanna Johnston's pink and lilac cowboy outfit for Michael J. Fox which was decorated with outrageous fringes and atom symbols. It recalls the costumes worn by singing cowboys such as Roy Rogers in the 1950s, the most famous of which were designed by Nudie Cohn, a Russian emigré who became a legendary Hollywood costumier. "Clint Eastwood never wore anything like this!" Marty wails.

NEW TIME CIRCUITRY

In story terms, the DeLorean has been hidden in the Delgado Mine for 70 years before its appearance at the drive-in. DeLorean consultant Michael Scheffe was responsible for visualising the 1955-modifications to the car which is fitted with an 'emergency flux capacitor' – a box of valves and electrical components held onto the front of the car with leather straps. 'Add-on makes generous use of large fluted ceramic insulators, shielded and unshielded amp tubes, condensers and transformer boxes,' Scheffe wrote. He also specified a Faraday cage of wire mesh to be fitted over the assembly, but this was not used in the on-screen version. Meanwhile, mechanical effects supervisor Michael Lantieri ensured that the vehicle would be able to cope with its adventures on rocky ground by fitting a more powerful and reliable engine. ■

TO BE CONTINUED...

NEW BOX OF TRICKS

An 'emergency flux capacitor' designed by Michael Scheffe was fitted to the DeLorean's hood with leather straps.



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MONUMENT VALLEY

TSÉ BII' NDZISGAII

One of the most spectacular locations in the United States has often been seen on the big screen.

The Navajo know it as Tsé Bii' Ndzisgaii, meaning 'valley of the rocks', but it is known to the world as Monument Valley, a region of the Colorado Plateau containing a cluster of vast sandstone buttes – the 'monuments' themselves – the largest of which towers 1,000 ft (300m) over the valley floor.

The valley is located on the border of Arizona and Utah near the area known as the Four Corners and is accessible from US Highway 163. It lies within the territory of the Navajo Nation Reservation, the equivalent to a national park.

Monument Valley has been featured in movies since the 1920s, and was first seen on screen as the setting for Paramount's silent film *The Vanishing American* (1925). It was made famous by director John Ford who set some of his most popular Westerns, including *Stagecoach* (1939), *My Darling Clementine* (1946) and *The Searchers* (1956) in the region, creating an indelible impression in the minds of cinemagoers.

Many filmmakers since have utilised the location, including Dennis Hopper for *Easy Rider* (1969) and Robert Zemeckis for *Forrest Gump* (1994), while Tom Cruise is seen climbing there in John Woo's *Mission Impossible 2* (2000). In 2011, the jagged rocks provided an unusually expansive backdrop for two episodes of *Doctor Who*. ■

Above: A spectacular view of Monument Valley, made famous in movies, TV programmes and many other projects, including music videos and computer games.

QUICK FACTS!

WIDE OPEN SPACES

- The valley's vivid red color comes from iron oxide exposed in the weathered sandstone. The darker, blue-gray rocks in the valley get their colour from manganese oxide. Vanadium, copper and even uranium have been mined in the area.
- The valley floor is largely siltstone or sand derived from it, deposited by the rivers that create the sandstone pillars millions of years ago.
- The elevation of the valley floor ranges from 5,000 to 6,000 feet (1,500 to 1,800m) above sea level.
- Through the years, the iconic pillars have been given names including the Eye of the Sun, the Ear of the Wind, 'the Mittens' and the Totem Pole.

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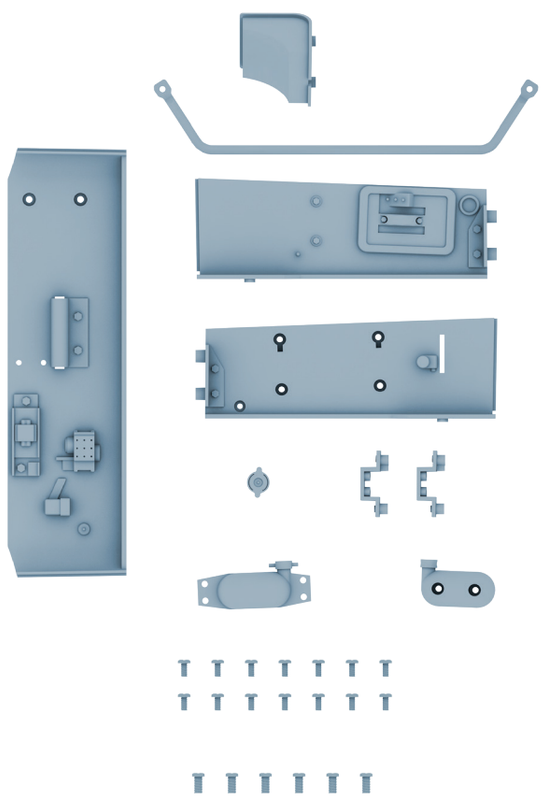
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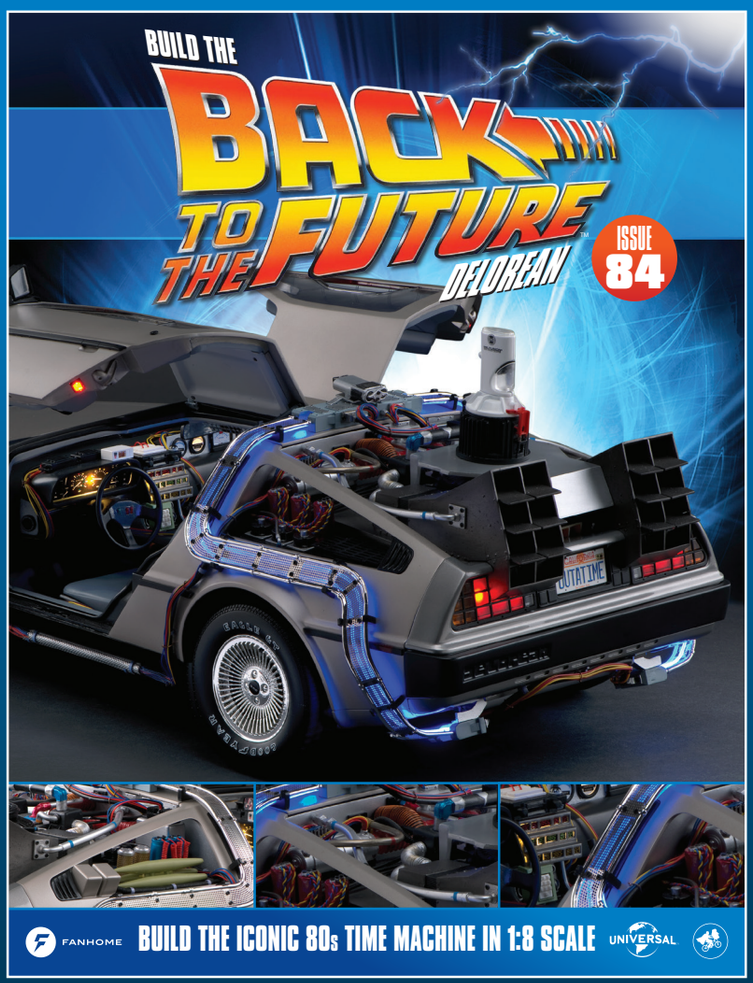
ENGINE BAY

Construct the engine bay for your DeLorean.

In the next issue you'll receive parts to start constructing the engine bay, following the step-by-step instructions.

YOUR CAR PARTS...





PRODUCTION DIARY

ILM's animators developed new effects for the DeLorean's time-slice in *Back to the Future Part III.*

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