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DALEK

ISSUE 8



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An examination of what led to the creation of the ruthless Daleks.



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Published by Hachette Partworks Ltd
4th Floor, Jordan House, 47 Brunswick Place, London N1 6EB

General Manager – Isabelle Couderc
Editorial Director – Helen Nally
Marketing Director – Elise Windmill
Production Director – Sema Sant Anna
Managing Editor – Sarah Gale
Distribution Manager – Paul Smith
Product Manager – Rhys Myrner

Packaged by Panini Publishing, a division of Panini UK Limited.

Publishing Director Europe – Marco M. Lupoi
Managing Director – Chris Clover
Managing Editor – Alan O'Keefe
Senior Editor – Ed Hammond
Editor – John Ainsworth
Designer – Barry Spiers
Features Writer – Stuart Ashley

Distributed in the UK and Republic of Ireland by Marketforce.

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Printed in the UK.

ISSN 2977-5574

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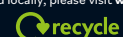


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ORIGIN OF THE DALEKS

Because of their endless universal aggression, Daleks have become a major part of the history of thousands of worlds. They have been woven into galactic legend and are believed by some races to be myths come to life. Many religions consider them demons; creatures spawned by the greatest evil in the universe. As a result, the stories of the Daleks' origins are numerous and often contradictory.

In addition, the advent of the Time War – the great clash between the Daleks and the Time Lords – meant that the histories of both species were put into a state of constant flux. Their respective pasts were altered and reshaped numerous times as they struggled to achieve dominance over one another.

The Time Lords believe that the origin of the Daleks stems from a single figure: Davros, the Kaled scientist who mutated his own race and placed them inside lethal machines of his design. However, the Daleks that the First Doctor encountered on Skaro were described as once being teachers and philosophers by the Thals. There were examples of



The Doctor studies the Thals' records of the history of their people and the Dals.



The Fourth Doctor examines Dalek mutants.

sculptures and other works of art in the Dalek city. The Thals were once a warrior people and the Daleks' ancestors were called 'Dals'. It is unclear if they were a separate species or merely from another culture. A war broke out between the Thals and Dals, and the use of neutron bombs devastated the planet. The Thals were mutated by the radiation but eventually evolved into a race of beautiful pacifist humanoids. The Daleks were not as fortunate, and retreated into metal shells to enable them to live.

Another history of Skaro describes the "tall, handsome" Thals as a peaceful people inhabiting the continent of Davious. They were in constant dread of attack from the Daleks, a race of "short, ugly" blue-skinned creatures. The Daleks were based on the continent of Dalazar, where their War Minister Zolfian had ordered the construction of neutron bombs. Dalazar was challenged by the Daleks' ruler Drenz who believed Zolfian was threatening the existence of all Skaro. Zolfian killed him and ordered his chief scientist Yarvelling to design a war machine that would wipe out any Thals that might survive the neutron attack.



Davros with his Dalek creation.

A freak meteorite shower put an end to Zolfian's schemes. Fires ignited the neutron bombs, and the entire Dalek race was killed. Only Zolfian and Yarvelling survived in a bunker. When they emerged two years later, they found one of Yarvelling's war machines speaking. When Zolfian pointed out that Yarvelling had designed it, the machine replied, "No! He designed the machine... the bomb made me!"

Zolfian and Yarvelling realised that some of the Dalek people had been mutated. One had used the machine to gain mobility, describing itself as "all brain". The two men, both dying of radiation poisoning, worked quickly to create more machine shells. Yarvelling believed that this new species of Dalek had minds "a thousand times superior to ours". Zolfian's insane dreams of total conquest would be fulfilled by a new type of Dalek – one with no sense of mercy or compassion.

Yet another story states that the Daleks' true origin lies on the planet Ameron. An advanced alien species known as the Halldons took a group of humans and placed them on Ameron to use as experimental test subjects. The Halldons accelerated the humans' evolutionary process. Over 200 years the humans developed new forms of technology at such a fast rate that the Halldons became alarmed. When they tried to end the experiment, the humans rebelled and destroyed them. The humans continued to advance, evolving their bodies and weaponry until they became Daleks. Humanity is therefore "the most destructive force in the universe".

It is possible that none of these stories are accurate – or perhaps all of them are. But they all lead to the same result: a creature that only wishes to conquer and destroy any form of life that it regards as inferior to itself.



Zolfian and Yarvelling construct the first Dalek casings.

GENESIS OF THE DALEKS

PART TWO

The Doctor encounters the Kaled scientist Davros, ruthless creator of the Daleks.

Season 12 Episode 12
First Broadcast: 15th March 1975

Sarah remains deathly still as Davros, Gharman and the primitive Dalek exit the shooting range. Once they have departed, she turns to leave – but several large creatures dressed in rags suddenly lumber out of the shadows. They surround her. She is engulfed by them...



The Doctor and Harry are brought to a security post by Nyder. He hands them over to a young officer named Tane and orders that they be scanned and then moved on for interrogation. Harry is placed between two units of a large machine. He suffers some pain as his entire body is scanned. When it is the Doctor's turn, the Time Ring given to him by the Time Lord at the start of his mission is detected. Tane quickly confiscates it, much to the Doctor's dismay. "The Time Ring is our only hope of getting back to the TARDIS," he whispers to Harry. "Recovering it has got to be our number one priority." The Doctor and Harry are marched off...



An unconscious Sarah lies on the ground, observed by the ragged creatures. One of them, Sevrin, says, "She is beautiful. No deformities. No imperfections." But another snarls, "She is a Norm. All Norms are our enemies. Kill her now for what she's done to our kind!" He pulls out a knife. Sevrin defends Sarah and a struggle breaks out between the pair. It is cut short by the sounds of an armed patrol approaching. The man with the knife runs, but is shot and killed. The armed men identify him as a "Muto". Sarah and Sevrin are found. One of the men suggests that they take them back with them: "They still need expendable labour for the rocket loader." Sarah and Sevrin are taken away...



The Doctor and Harry are taken to Senior Researcher Ronson at the Kaled Science Division. Ronson studies the Time Ring and the sonic screwdriver. "If I didn't know better I should have to assume that these were made by some intelligence on another planet," he says. Ronson insists that "it is an established scientific fact that in the seven galaxies, only Skaro is capable of supporting intelligent life." Ronson is irritated when the Doctor suggests that there may be more than seven galaxies, but his attitude changes when he checks their biological readings taken from the scanner. He realises that the Doctor and Harry are clearly alien to Skaro. Their discussion is interrupted by an alarm and an announcement: Davros is summoning all the elite scientists to a meeting. Ronson tells the Doctor that Davros is their "supreme commander".

Davros enters the room, followed by Gharman and Nyder. All the scientists stand to attention – the ancient being is clearly in total command of the room. Davros announces that he has arranged a demonstration of the "Mark Three project". A door slides open and a creature that the Doctor recognises immediately glides into the room. "A Dalek," the Doctor whispers to Harry, adding, "Very primitive but undeniably a Dalek." Ronson corrects him: "It's a Mark Three Travel Machine."



Ronson is very impressed when the creature obeys Davros' spoken commands. Gharman attaches a gun-stick to the Dalek. Davros activates a switch that gives the Dalek total autonomy. He describes it as "a living, thinking, self-supporting creature". The Dalek immediately detects the alien



SCRIPT TO SCREEN

Terry Nation's full description of Davros came in the script for Part Two of *Genesis of the Daleks*: "Davros is contained in a specially constructed wheelchair. It has similarities to the base of a Dalek. Davros himself is a masterpiece of mechanical engineering. His chair is a complete life-support system for the ancient creature. A throat microphone and amplifier create the voice he no longer has (its sound is not unlike a Dalek). A miniature H and L machine keeps his heart and lungs functioning. A single lens wired to his forehead replaces his sightless eyes. Little can be seen of his face. Tubes and electrodes [are] attached to what does show. The upper part of his body is contained in a harness from which great complexes of wires and tubes emerge. The only really humanoid feature we ever see of Davros is an ancient withered hand that plays across the switch-packed surface of the control panel that stretches across the front of the 'chair'."



Davros is kept alive by technology.



until dawn for the interrogation. He departs. Nyder takes the Doctor and Harry to the holding cells. Ronson follows...

Sarah and Sevrin are brought inside the Thal dome and placed in a cell with some other prisoners. They realise they are going to be used as slave labour for some kind of project. A captured Kaled officer tells them that the work they will be forced to do "kills with the same certainty as a bullet between the eyes". He explains



Back in the Kaled bunker, Harry waits alone in a cell. A door opens and the Doctor is roughly thrown in by a guard. The Doctor has been interrogated, but has told the Kaleds nothing of value. He has learned that the Kaled government assembled the greatest scientific minds of every field and gave them a headquarters in the bunker, but they are now growing more powerful than the government. Ronson enters the cell. The Doctor thanks him for saving him from "becoming the very first victim of a Dalek". Ronson is intrigued; how did the Doctor know that Davros was planning to give that name to the Mark Three Travel Machine? Ronson is concerned about the way the Daleks

qualities of the Doctor and Harry, and moves to exterminate them. Ronson stops the Dalek by lunging for Davros' control panel and deactivating it. Davros is furious at Ronson for interfering with his experiment: "My creature showed a natural desire, an instinct to destroy, and you interceded!" Ronson pleads with Davros to give him more time to interrogate his two prisoners. Davros tells Ronson that he will be punished for his insubordination, but he will give him



that the Thals have used up all of their resources to build a rocket. They intend to destroy the Kaled dome and wipe out their enemies with a single strike. The nose cone of the rocket is being packed with distronic explosive. "Every load we carry exposes us to distronic toxemia," the officer says. "After a few hours' exposure, we'll all be dead."

Sarah, Sevrin, the Kaled officer and some other Mutos are herded to the base of the rocket where they are given cannisters of the distronic explosive to carry. Sarah watches as a wall-mounted gauge moves from 'Safe' to 'Toxic Level'...



DALEK DIRECTOR

David Maloney had already directed several *Doctor Who* stories, including *Planet of the Daleks* (1973). He was well aware of the difficulties faced when filming Daleks on location, and chose to use them only in the recording studio for *Genesis of the Daleks*. "I always liked to do [*Doctor Who*] because it was the most imaginative show on a long-running basis," he commented in 1985. "Frankly, it was regarded as bread-and-butter work – if there was nothing else to do, you'd do a *Doctor Who*. Indeed, after the late Douglas Camfield, I directed more episodes than anybody else. *Z-Cars* [a BBC police series] was running at the same time and tended to be the alternative to *Doctor Who*, but I never did that because *Who* was much more interesting, full of innovation and design."



David Maloney (second left) with Jon Pertwee (second from right) on location for *Planet of the Daleks*.



are being developed into ruthless killing machines. He explains that Davros has experimented on living cells and mutated them into what he believes is the final evolutionary state of the Kaleds.

Ronson takes the Doctor and Harry to the door of a special chamber. He opens a panel and the two time-travellers observe a collection of horrific mutants writhing inside glass tubes. "That is our future," Ronson says...

Sarah and her fellow prisoners finish their first shift. They are exhausted. Sarah suggests that they try to escape by climbing up the rocket's scaffolding and out on to the top of the Thal dome. Sevrin thinks the climb will be too high,



but the Kaled officer agrees with Sarah. "I'd rather die taking a chance like that than rot away in here with dystronic toxemia," he whispers. Sarah fakes a fainting spell and distracts their guard who is knocked unconscious by the Kaled officer. The group break out of their cell and enter the deserted rocket silo. They all begin to climb up the scaffolding, but the guard awakens and sounds the alarm.



Ronson tells the Doctor and Harry that there is still a chance Davros can be stopped. "There are a few in the Kaled government who still have the power to act," he says. "If they knew the truth they would end Davros' power." But all communications are monitored and Ronson is not permitted to leave the bunker. The Doctor convinces Ronson to help him and Harry escape; they will go to the Kaled dome and contact Ronson's friends in the government. Ronson shows them a service duct that leads into a cave. He warns them that some of Davros' previous experiments on animals now inhabit the cave. The Doctor and Harry move into the darkness and hear



the sound of a massive slug-like creature moving in their direction...

A squad of Thal soldiers armed with rifles arrive in the rocket silo and start shooting at the escaping prisoners high above them. Some of the Mutos are hit and fall to their deaths. The Kaled officer is also killed. Sarah is frozen in fear. Sevrin urges her to keep climbing. Sarah reaches for the next railing but slips. She screams as she falls...



ROCKET ESCAPE

The scene featuring Sarah and the other prisoners' escape attempt at the rocket silo was deemed too complicated to shoot using the typical multi-camera set-up at BBC Television Centre. It was instead filmed at Ealing Studios on 13th January 1975. The resolution to the cliffhanger shown in Part Three was filmed the following day. The freeze-frame showing Sarah's fall at the end of Part Two was the first time this effect had been used to end a *Doctor Who* episode.



Sarah Jane and Sevrin face a perilous climb.

TRUE TO SCRIPT



Terry Nation and Tom Baker.

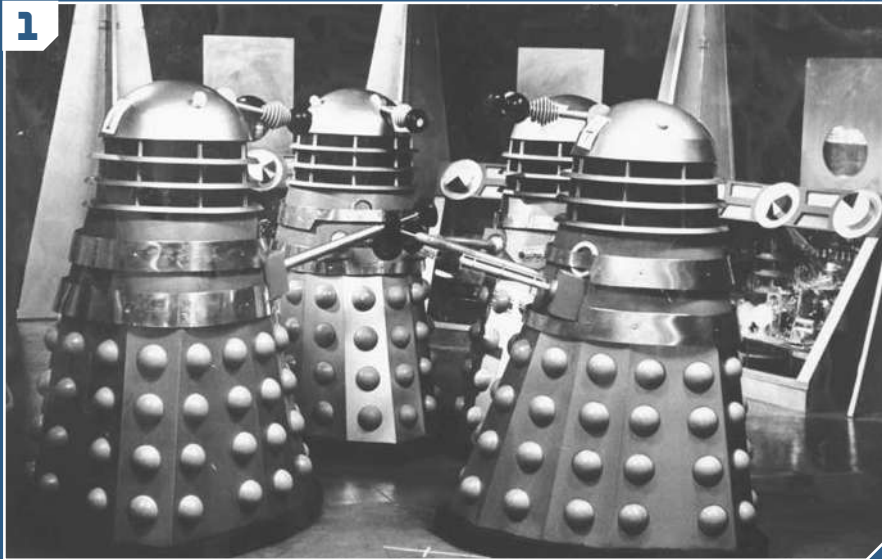
Dalek creator Terry Nation was very impressed by the production's realisation of his story. "It's always been one of my favourites because it stayed very true to the script," he commented in 1988. "I had demanded tremendous things of the production

— like the rocket ship the Thals were building, and standing on top of the rocket ship with that dizzying view downwards. I think the producer gave me almost everything I asked for in that show. The production was brilliant — they did wonderful things."

DALEK MOBILITY

A Dalek mutant has little capacity for movement in its natural state; its limbs are only vestigial remnants of its ancestors' humanoid form.

The Dalek mutant requires its mechanical shell – literally referred to as a “Travel Machine” by Davros in its earliest stages – to move. Davros equipped the Daleks with small hover jets that enabled them to glide over the rocky regions between the Kaled and Thal domes.

1

Little is known of the first group of Daleks that were entombed by the Fourth Doctor at the end of his mission. It appears that centuries passed before they were able to emerge from beneath the depths of the bunker and establish their own society. These Daleks seemed reluctant to explore Skaro and were content to remain within the boundaries of the city they built for themselves. They used static electricity from the city's metal floors as their sole power source, meaning that they were unable – or perhaps simply unwilling – to move beyond it [1].

2

By the time the Daleks had become capable of space travel, their personal mobility was far more accomplished. During their invasion of Earth in the 22nd century they equipped themselves with receiver dishes on their backs, which enabled them to use power generated inside their saucer ships [2]. In time, the Daleks came to rely on personal power units instead. It is unclear exactly when Daleks began to use anti-gravity units on their bases

to rise slightly above the ground, enabling them to easily negotiate rough terrain. The Dalek squad that pursued the First Doctor through time and space were seen to hover momentarily above the sands of the planet Aridius. This ability to hover was also demonstrated by Davros' Imperial

3

Daleks during their mission on Earth in London, 1963, when they attempted to claim the Hand of Omega [3]. Davros himself had displayed this ability when he posed as the Great Healer on the planet Necros some time earlier [4].

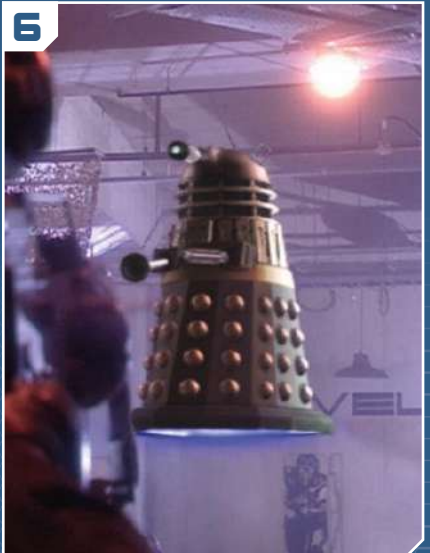
The central motion unit of a Dalek was originally a large sphere in the centre of

4

its base, surrounded by several smaller spheres that enabled the Dalek to shift its direction quickly and maintain its balance. This was eventually replaced by a low-level force field that negates most of the friction between the Dalek and the ground it travels upon [5]. The 'skirt' of all Daleks is equipped with a ring of powerful energy emitters that can nullify the immediate gravitational field surrounding the Dalek. This enables the Dalek to hover a few feet in the air if it needs to navigate rough terrain or ascend a flight of stairs. The emitters can increase their

5

output, giving the Dalek the power of controlled flight [6]. Daleks can fly in almost any planetary atmosphere and in outer space. They can achieve speeds of up to 100mph in Earth's lower atmosphere, 200mph in Earth's upper ionosphere, and 500mph in the vacuum of space. A Dalek travelling on the ground can move at speeds of up to 30mph on a flat surface. Daleks can also move across an ocean bed and are remarkably mobile as they navigate underwater.

6

DALEK DOME

OUTER PANEL AND FIXING SCREWS



COMPONENTS OF ISSUE 8

A SIDE PANEL

B THREE HEXAGONAL HEADED SCREWS (1 SPARE)

AM FOUR 2.6 X 5MM PM SCREWS (1 SPARE)



#08-01

Check how the energy dispenser assembly from the previous issue fits against the dome, between the panels **6A** and **5A**. Thread the cable **5B** through the hole. There is a small peg and a large peg on the base of the frame **7B** which fit into corresponding sockets in the dome **3F**.



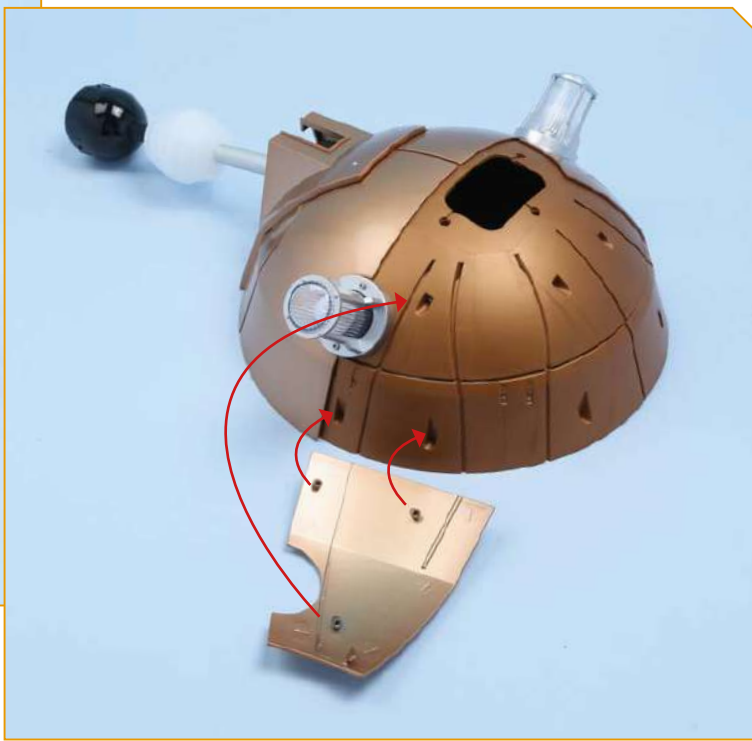
#08-02

With the frame **7B** in position, fix the energy dispenser assembly in place using two **8B** hex-headed screws and the Allen key supplied with issue **4**.



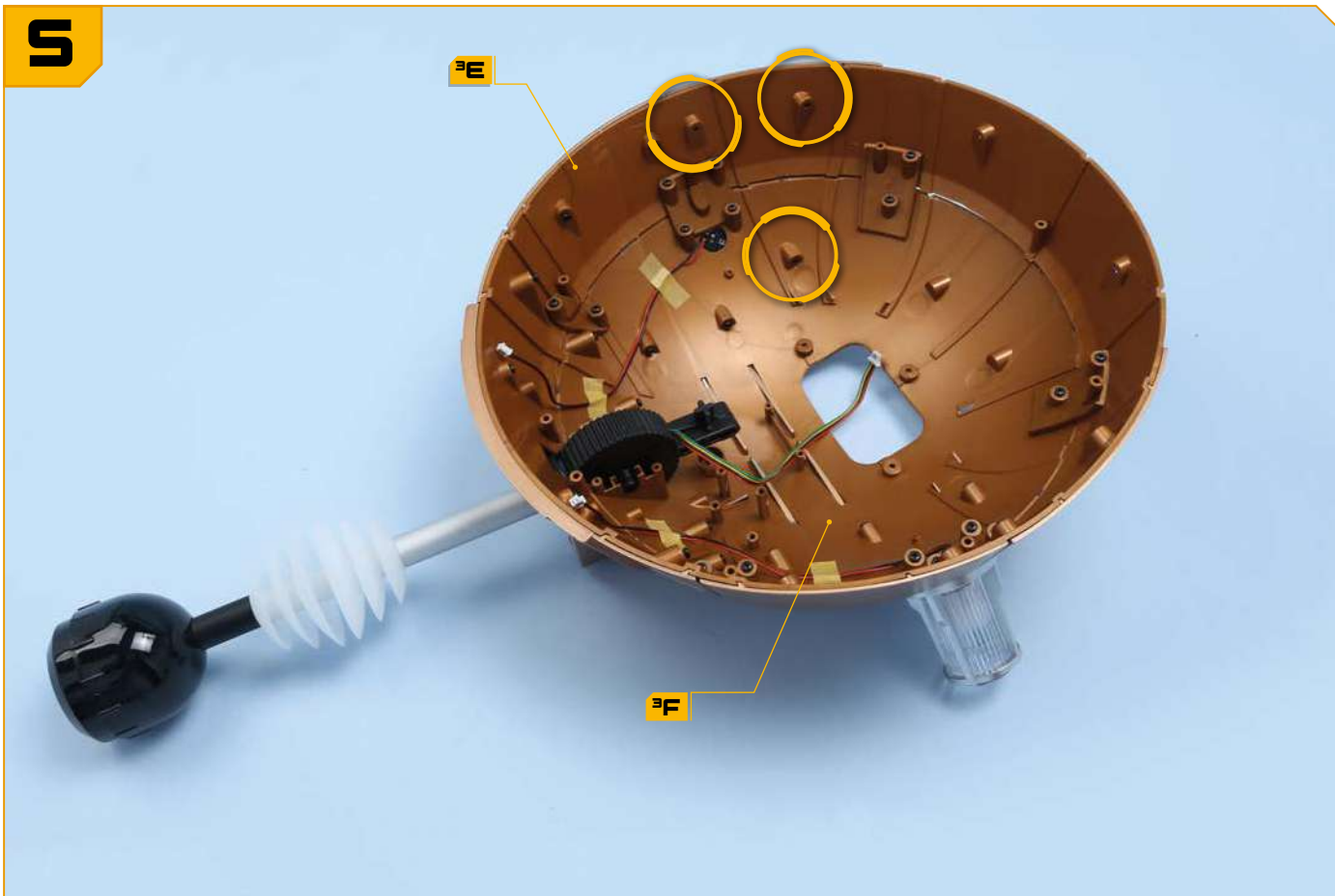
#08-03

Turn the assembly upside down and fix the cable **5B** in place temporarily with a couple of pieces of tape.



#08-04

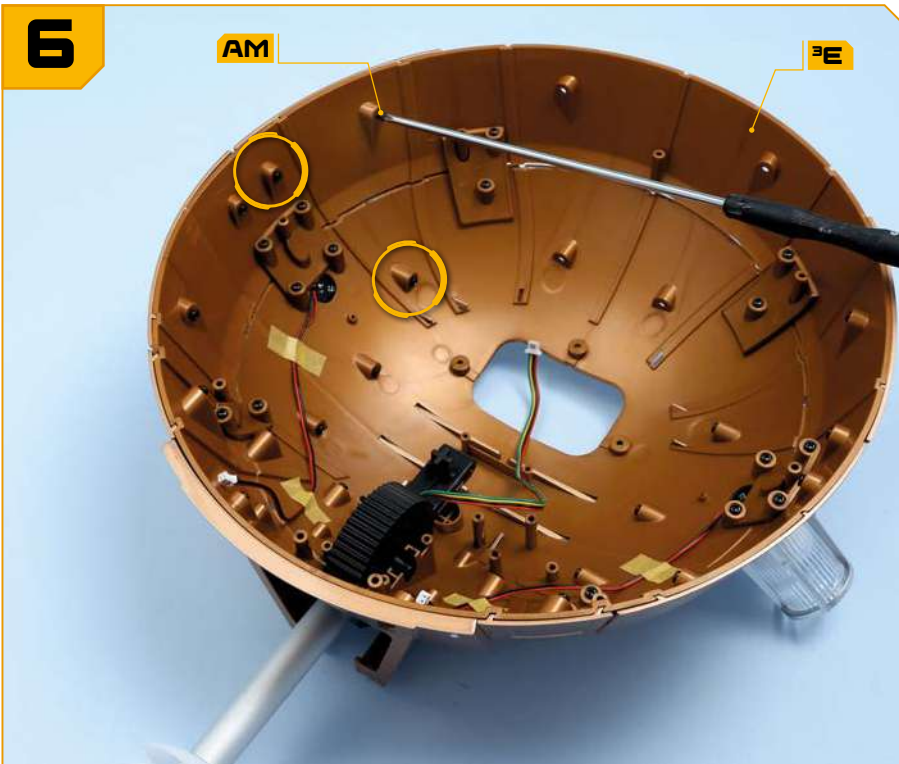
On the other side of the dome, check the fit of the panel **8A** on the dome next to the energy dispenser. Three screw sockets on the back of part **8A** fit into sockets in the dome.



#08-05

Turn the assembly upside down and identify the three fixing points (circled).dome.

6



#08-06

Fix in place with three AM screws.

COMPLETED WORK



#01-COMPLETED WORK

The energy dispenser light and sixth side panel have been fitted to the dome.

THE DALEK



COMING IN
ISSUE 9

BUILD PART 9

The back panel for the Dalek dome plus 5 PM screws

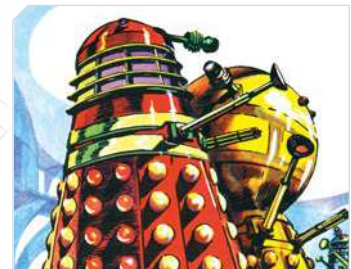


ANATOMY OF A DALEK



What happens when a Dalek is turned to stone?!

ADVENTURES IN TIME AND SPACE



A look at the Daleks' adventures in comic strips.

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