

THE DALEK

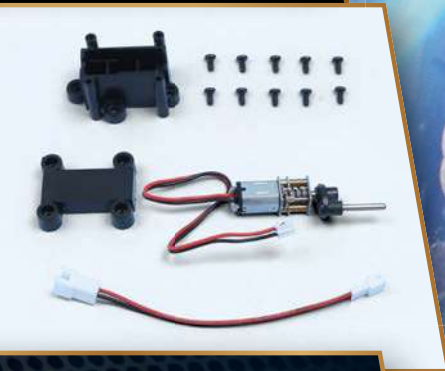
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DALEK

ISSUE 11



ADVENTURES IN TIME AND SPACE: THE SURVIVORS

3

The Doctor and his companions are taken prisoner by the Daleks.



THE TIME VORTEX: DAVROS - PART 2

6

Davros depends on his right-hand man, Nyder.



STEP-BY-STEP BUILD: PART 11

8

Start to collect the motor cover, motor base, and test cable.

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

General Manager – Isabelle Couderc
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Packaged by Panini Publishing, a division of Panini UK Limited.

Publishing Director Europe – Marco M. Lupoi
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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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THE SURVIVORS



In the mysterious metal city, the Doctor encounters the Daleks for the very first time.

Season 1 Episode 6
First Broadcast:
28th December 1963

Far below the surface of the strange alien city, Barbara edges along a metal corridor. Eerie echoes seem to be coming from every direction. Exhausted and frightened, Barbara sees a machine-like creature in front of her. It begins to move towards her. Barbara is horrified. She flattens herself against a wall and whimpers...

On the surface, Ian, Susan and the Doctor enter one of the buildings. They are all feeling tired for some reason. Ian calls out to Barbara but there is no reply. There are many doors leading to different darkened rooms. The Doctor hears a ticking sound coming from one of them. They enter to find some machinery. "This is more hopeful," Ian remarks, thinking of the TARDIS. "We ought to find some mercury here." The Doctor notes that this is a room filled with measuring equipment. Susan finds the source of the ticking, a Geiger counter. Ian is alarmed when he sees that the needle is past the danger point. The Doctor realises

the truth of their situation immediately. "Yes, that explains a lot of things, doesn't it?" he says. "A jungle turned to stone, the barren soil, and the fact that we're not feeling well." Ian sees what the Doctor is suggesting; they are all suffering from radiation sickness. The Doctor continues: "The atmosphere here is polluted with a very high level of fallout and we've been walking around in it completely unprotected." Ian points out that the buildings are unmarked; they have seen no sign of warfare in the city. "A neutron bomb," the Doctor replies. "It destroys all human tissue but leaves the buildings and machinery intact."

The Doctor states that they need drugs to combat the radiation sickness. "But where are we going to find them?!" a desperate Ian demands. Susan says that they will have to travel to another time and place in the TARDIS. "But don't you remember?" Ian says. "We can't move the ship until we find the mercury for the fluid link!" The Doctor shamefully admits to Ian that there is nothing wrong with the fluid link. He was determined to explore the city and so contrived a problem with the TARDIS. He hands the link to Ian. Susan is shocked by her grandfather's deceit. Ian is furious. The Doctor says that they must return to the ship and leave immediately. "We're not leaving until we find Barbara," Ian firmly states. The Doctor says that he is willing to abandon Ian and Barbara to their own fate. "All right, fine," Ian says. "But how far do you think you'll get without this?" He holds up the fluid link. Ian ignores the Doctor's demands to return it. "It's time you faced up to your responsibilities," Ian says. "You got us here. Now I'm going to make sure you get us back!" The Doctor is left with no choice. The trio depart the room, intending to search for Barbara. But outside the room, they are suddenly halted by an astonishing sight. Several machines that somehow seem to be alive



are waiting for them. They glide around the three time travellers, giving off a malevolent air. "You will move ahead of us, and follow my directions," one of them orders in a harsh, electronic voice. The Doctor and Susan comply, walking off in the direction they are shown. Ian hangs back, however, trying to calculate the amount of danger they are all in. He glances to his right and sees an empty corridor. He decides to run. The machine shouts "Fire!" One of the other creatures' weapons blazes with energy. Ian is engulfed in a strange negative glow and instantly falls to the floor. He tries to rise but cannot. The creature glides over to him. "Your legs are paralysed," it says. "You will recover shortly unless you cause us to use our weapons again. In that case, the condition will be permanent." The creature orders the Doctor and Susan to help Ian up. They are forced to drag him.

Barbara sits on the floor of a plain cell; its only concession to comfort is a small bench. She is very relieved when a door

slides open and she is reunited with Ian, Susan and the Doctor. Ian is helped to the bench. Barbara tells them that she hasn't been harmed by their captors. "They moved me from floor to floor, always in lifts. Where we are now must be miles underground." Barbara pauses for a moment and then asks, "Ian... do you think they really are just machines?" Ian is uncertain what she means. "Do you think there's... someone inside them?" Barbara asks. Susan giggles nervously, but Ian sees the implication of Barbara's question. When Barbara comments that she feels weak and giddy, Ian breaks the news to her about the radiation poisoning. The Doctor is slumped against a wall, now barely able to speak. He whispers that unless they get treatment soon they will all die...

In a control room elsewhere, two of



the machine creatures observe their captives through a monitor screen. They assume that they are beings called "Thals". The creatures comment on the rapidly reducing radiation levels in the atmosphere outside. "We know the Thals are able to live on the surface," one comments, and suggests that they



are using a drug. But if that is the case, why is it failing them now? The Doctor is brought into the control room for questioning. He is commanded to sit on the floor in a pool of light. The Doctor denies being a Thal. One of the creatures believes that the Doctor entered the city because his supply of anti-radiation drugs failed him and he was trying to find more. Suddenly the Doctor remembers the small case of drugs that were left outside the TARDIS. The Doctor suggests that his captors let one of his party go and collect them, under guard. "We cannot move outside the city," one of the creatures explains. The Doctor asks them about their world. "Over 500 years ago, there were two races on this planet," the creature states. "We, the Daleks, and the Thals. After the neutronic war, our Dalek forefathers retired into the city, protected by our machines." The Thal survivors stayed on the surface and are assumed to be "disgustingly mutated". The Doctor realises that his captors – now identified as the Daleks – are willing to send one

BUILDING THE DALEKS



Shawcraft Models was an independent company regularly hired by film and TV studios as model and prop builders. They had previously designed part of the TARDIS interior set. Raymond Cusick worked with Shawcraft founder Bill Roberts on the construction of the four Daleks built for the production. The prototype had a wooden base with the skirt section made out of fibreglass. It stood at four-foot six-inches. Once the prop was approved, the remaining Daleks were built over the following three weeks.

DALEK MUSIC



Tristram Cary (1925-2008) was born in Oxford, England. Cary was a radar engineer for the Royal Navy during World War II, and it was at this point he began to develop his own music by experimenting with audio-tape manipulation and electronic equipment. His music for *The Daleks* functioned more like an eerie soundscape, giving the story a uniquely chilling atmosphere.

Cary scored several other *Doctor Who* stories including *The Daleks' Master Plan*. He also scored such movies as *The Ladykillers* (1955), *Quatermass and the Pit* (1967) and *Blood from the Mummy's Tomb* (1971). He is regarded as one of the earliest pioneers of electronic music.



of his group into the petrified forest, among mutated monsters, to get what they want.

Back in the cell, Ian tries to pump some life into his paralysed legs. Susan and Barbara help him to his feet, but when he tries to walk on his own, he tumbles to the floor. Ian and Barbara are still losing strength due to the radiation poisoning. Susan seems less affected. The Doctor is brought back into the cell and tells the others about the Daleks and the Thals. The old man is now exhausted by his ordeal. Ian feels some life coming back to his legs. Susan says that she will have to come with Ian to get the drugs. When he protests, she explains that the TARDIS lock is very complicated – if he turns the key



into the wrong position, the entire lock will melt. Ian finds that he still cannot stand, let alone walk. A Dalek enters the cell. “You must leave now,” it commands. When Ian starts to protest, the Dalek cuts him short: “One of you is going.” Ian tries to walk again, with no success. Barbara is just as incapacitated.

Susan is the only one who could possibly make the journey. She stares at Ian. “Must I? Alone?” she asks. Susan knows that Barbara and her grandfather are close to death – time is running out. She agrees to go alone, despite her fears. Susan leaves with the Dalek. Ian angrily pounds on his useless legs...

In the control room, the Daleks monitor Susan’s departure from the city. One asks if she will be allowed to share the anti-radiation drugs with her friends. “No,” another Dalek answers.

“They will die in time. Their only value is in bringing us enough of the Thal drug to duplicate it for our own use.”

Susan reaches the edge of the petrified jungle. A lightning storm is beginning. There seem to be dangers hiding in every shadow as she races through the dead trees. She stumbles and falls. She sees a strange shape moving close by. She screams and leaps to her feet...

Back in the cell, the Doctor is barely breathing. Ian finally regains the use of his legs, but is still very weak from the radiation sickness. He leans against the door and whispers, “Hurry, Susan...” Susan finally makes it back to the TARDIS. She quickly enters the ship and

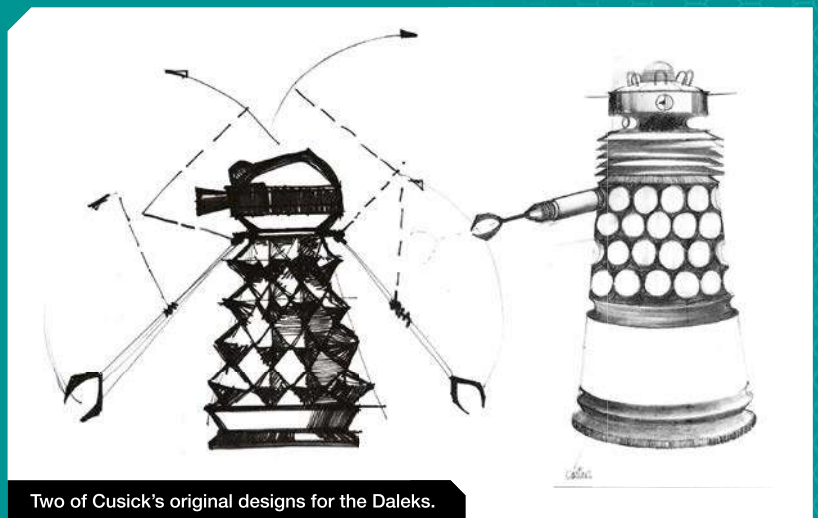


finds the case of drugs. She clutches them to her chest, relieved. Then she remembers Ian’s words: “Don’t stop for anything. Straight there, straight back. An hour might make all the difference.” Susan opens the doors. A lightning bolt illuminates the walls of the TARDIS. The brave girl steps back out into the night...



DALEK DESIGN

BBC designer Raymond Cusick was tasked with bringing the Daleks to physical life. His initial design was tall and tubular in shape, with a pincer arm and a short head with an eye-lens. After producer Verity Lambert rejected this, it was decided that the actors would be more comfortable operating the Daleks from a seated position. Cusick’s second design was far closer to the iconic Dalek we recognise today; it was shorter with an angled body and a much larger domed head, with two double-jointed claw arms. A metal gauze was added below the dome which the operator could see through. The claws were ultimately deemed too expensive and were replaced by a single sucker arm. Director Christopher Barry noted that it was difficult to be certain which Dalek was speaking without some form of visual cue, and suggested flashing lights be added to the dome.



Two of Cusick’s original designs for the Daleks.

DAVROS

PART 2

Davros had never given his trust to anyone. He viewed people as either useful tools or irritating obstacles, and both were equally capable of deceit and betrayal.

As the centuries passed on Skaro, predictable patterns of humanoid behaviour had become crystal-clear to him. Time and again, Davros had watched the people around him begin as young, strong individuals willing to accept any hardships in the pursuit of victory for the Kaleds. But as the years went on, they all became compromised, weak and fearful. He saw them age and grow complacent in their positions, or weary of the endless struggle, or greedy for personal power. He despised such petty vulnerabilities. And then, of course, they would all eventually die and be replaced, and the cycle would begin again.

Davros' near-immortality had a stark effect on the people he worked with. Generations of politicians, soldiers and scientists had been raised in his service. He was the one constant element in an ever-changing, uncertain world ravaged by war. He was feared by many, but the masses considered him to be Skaro's greatest hero. Some Kaleds even began to view Davros as a demigod, praying to him for good fortune. Only men and women possessing the strongest of wills were not intimidated in his presence.

Security Commander Nyder was such a man. Davros had first encountered Nyder when he was a junior officer in the Intelligence Division, and had been impressed by his efficiency and ruthlessness. Nyder had single-handedly uncovered a group of Kaled officials collaborating with a ring of black-market profiteers. His work led to the arrest and execution of the officials. Several of Nyder's own colleagues were also found guilty in the scandal and met the same fate. Nyder took great pleasure in their exposure and his subsequent promotion. He soon became the youngest Security Commander in the history of the Kaled Intelligence Service.



Nyder assisted Davros in the creation of the Daleks.



Nyder carries out Davros' instructions.

Davros saw that Nyder understood the power of discipline and respect. Fear was a useful weapon and he wielded it well; Davros observed that people were almost as afraid of Nyder as they were of himself. Davros requested him as the Head of Security for his science bunker. Nyder was grateful for the opportunity to oversee the most important part of the war effort, and the two men worked well together. In Nyder, Davros saw something of himself: a man with a burning purpose, undistracted by thoughts of personal comfort. Nyder clearly had plenty of ambition, but he never allowed it to overshadow his dedication to his duty.

Davros chose to reveal the Dalek Project to Nyder first, confiding in him before any of his scientists. One evening he summoned him to his personal laboratory, a chamber strictly forbidden to everyone else in the bunker. Davros had spent long months manipulating the genetic material of dozens of Kaleds and Mutos, and had finally created a mutant that could survive more than a few days. The laboratory was dark; the only light came from the base of a large metal cylinder in the room's centre. Davros pushed a button and the cylinder opened, revealing a glass tank filled with green fluid. Something was inside it.

Nyder stared at Davros' mutant. The creature slithered and twisted inside its tank, sucking in the thick, embryonic fluids. He stepped back, momentarily shocked – but Davros saw that his instinctive fear and repulsion was quickly overcome by fascination. Nyder moved closer and leaned in for a better look, almost mesmerised by the creature's movements. The mutant hissed in anger at his presence. "It is... extraordinary," Nyder whispered.

"It is the future," Davros replied. "A thousand years of evolutionary progress replicated in a matter of months, accelerated by my instruments. It can withstand any amount of radiation, any pollutant, any chemical toxin." Davros paused, then added, "This is the only path left to us, Nyder."

Davros felt Nyder would understand the implications of what he was trying to achieve and judge it dispassionately, unhampered by any sense of facile morality. He was correct; Nyder had the vision to see that the thousand-year war between the Kaleds and Thals was leading both races to their doom.

But to actually *hasten* that doom – that part of the plan Davros chose to withhold from Nyder.

In the final days of the war, a group of Kaled councillors were made aware of the Dalek Project. They were led by Mogran, a politician whom Davros knew considered himself to be a 'moral' man. Davros agreed to Mogran's demands to

shut down the creation of the Daleks until a full investigation could be made. Nyder was astonished by Davros' compliance, knowing Mogran would halt the project for good once he learned the truth. Davros dismissed his concerns. "The Council has signed the death warrant of the whole of the Kaled people," he replied. "Only we, the Elite, and the Daleks will go on!"

Davros watched Nyder's face keenly via his electronic eye as he took in his words. This was the ultimate test of his loyalty. Nyder's devotion to the Kaled cause had been the central motivation of his entire life, but now Davros was offering him a different path. Would Nyder be able to move away from simple, blind patriotism and embrace a higher purpose?

Nyder stared at him. "The whole of the Kaled people? You would go that far...?" He seemed to be looking at Davros as if for the first time.

"Did you ever doubt it?" Davros asked in response.

"No," Nyder replied. Davros' ancient face could display no noticeable emotion but inwardly he rejoiced. Nyder was loyal. He could be trusted. He was the closest thing Davros had ever had to a friend. Petty political boundaries meant nothing now. Davros and Nyder would use the Kaleds and Thals as pawns in a much larger game, one that would ensure the survival of the Daleks. Nothing could stop them.

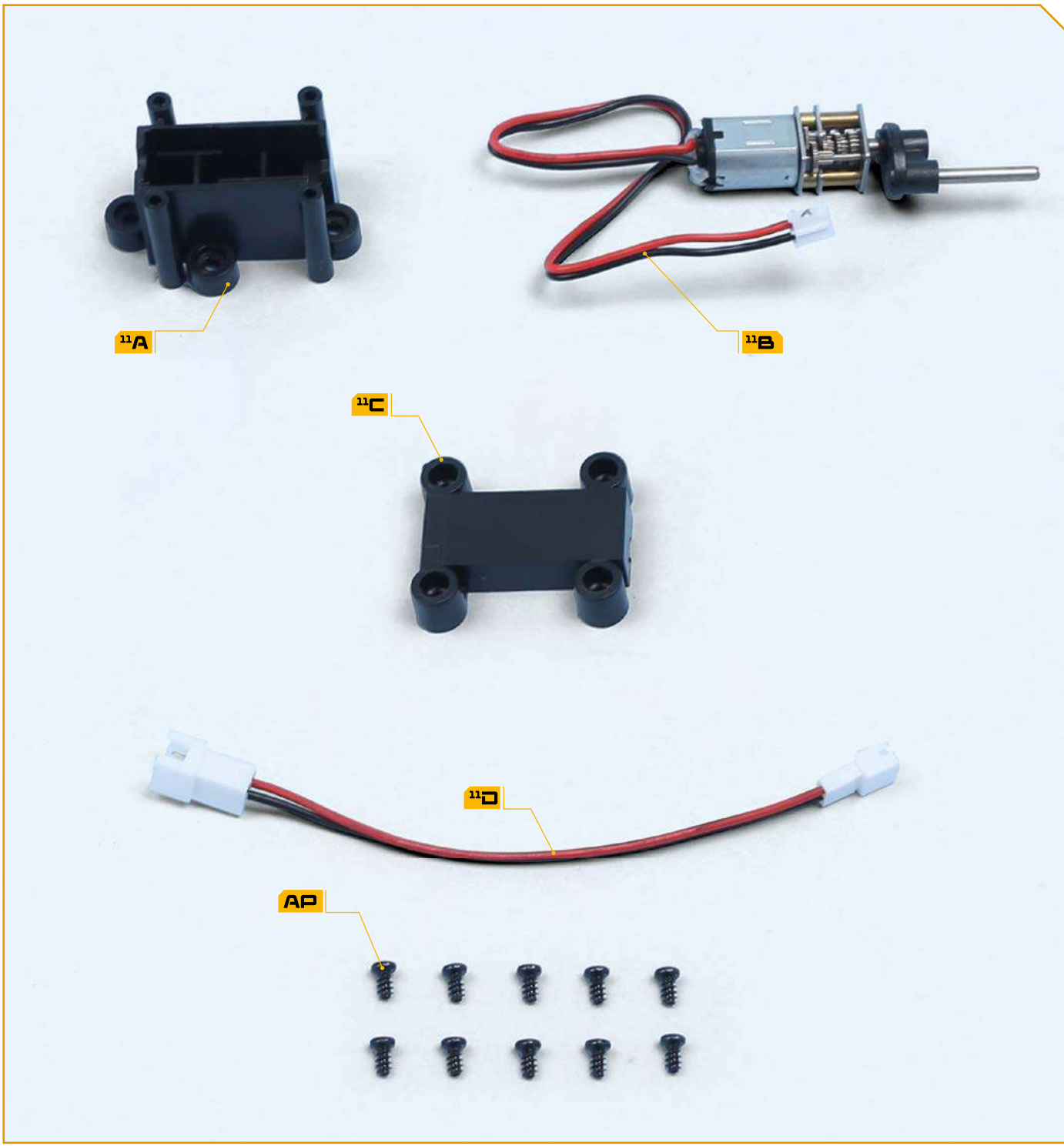
But there was another, unforeseen player in this game; a man to whom Davros had paid little attention. That mistake would cost Davros everything. His name was the Doctor...



Davros confides in Nyder.

DALEK EYE STALK

MOVEMENT MECHANISM



COMPONENTS OF ISSUE 11

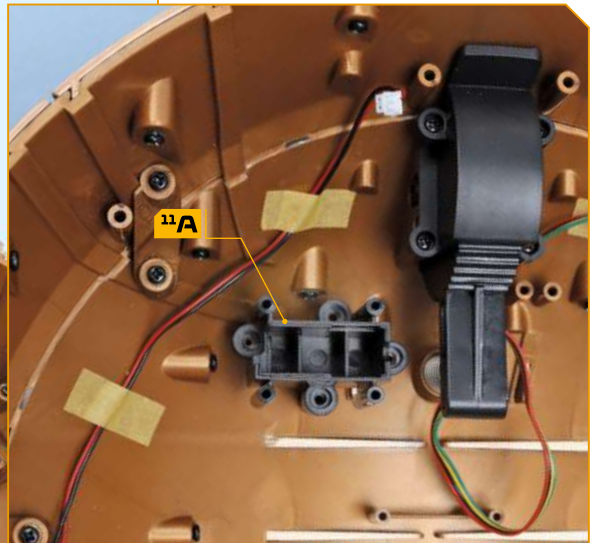
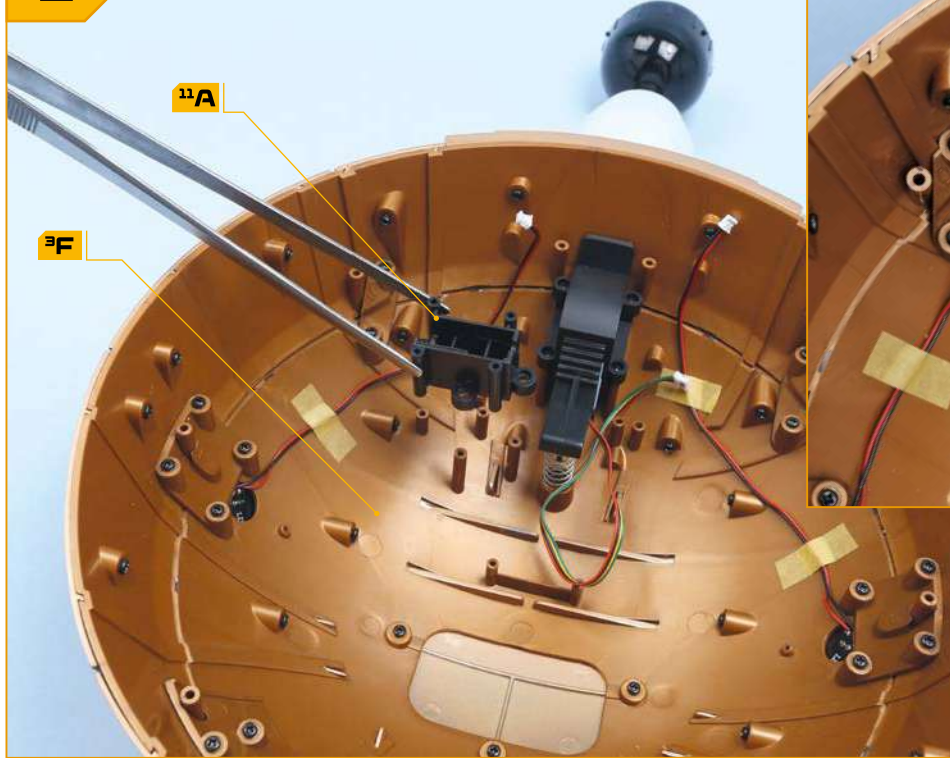
11A MOTOR HOUSING

11C MOTOR COVER

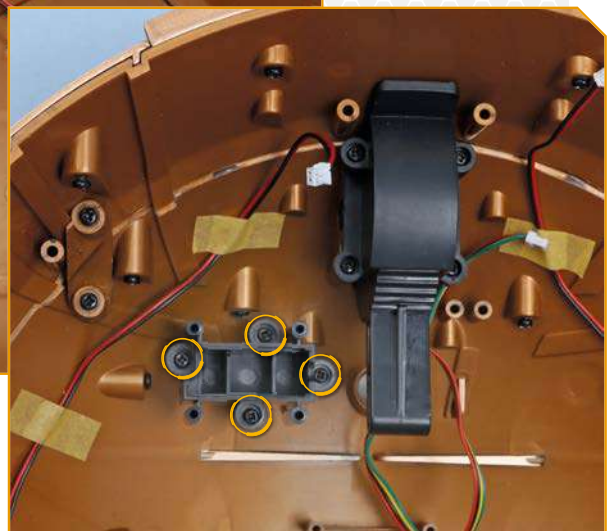
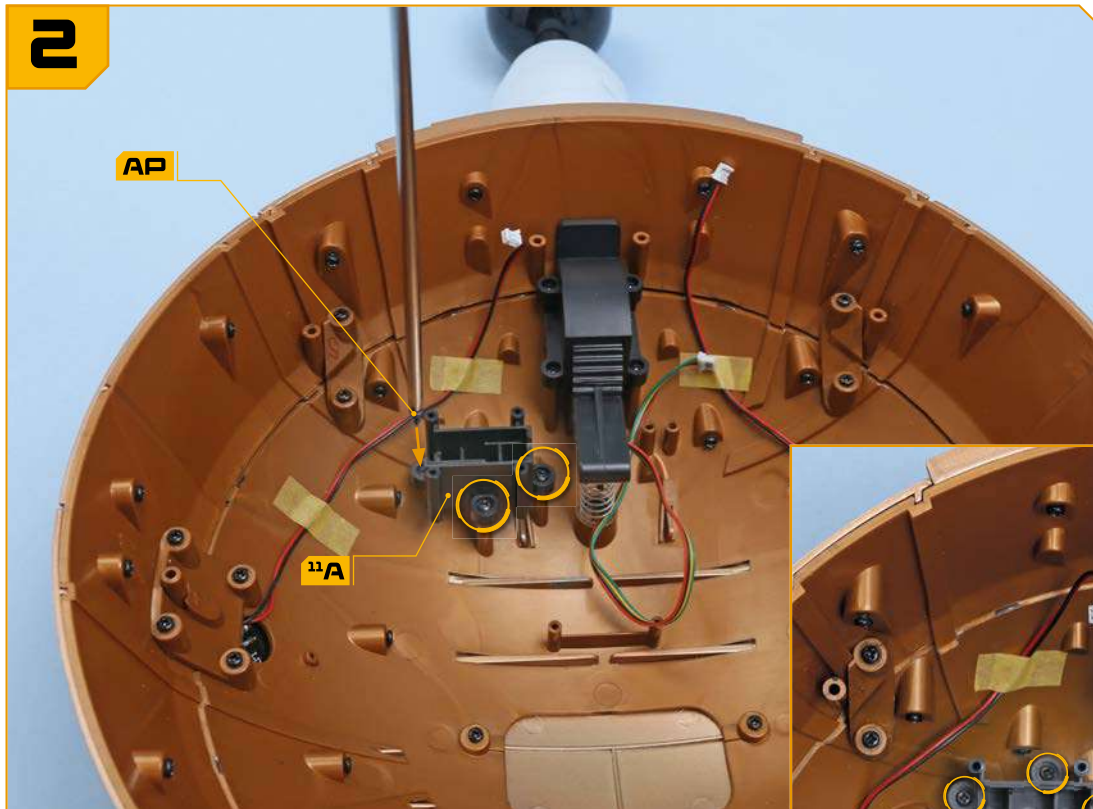
AP TEN 2.3 X 4MM PB SCREWS (including spares)

11B FIRST MOTOR

11D CABLE FOR TESTING

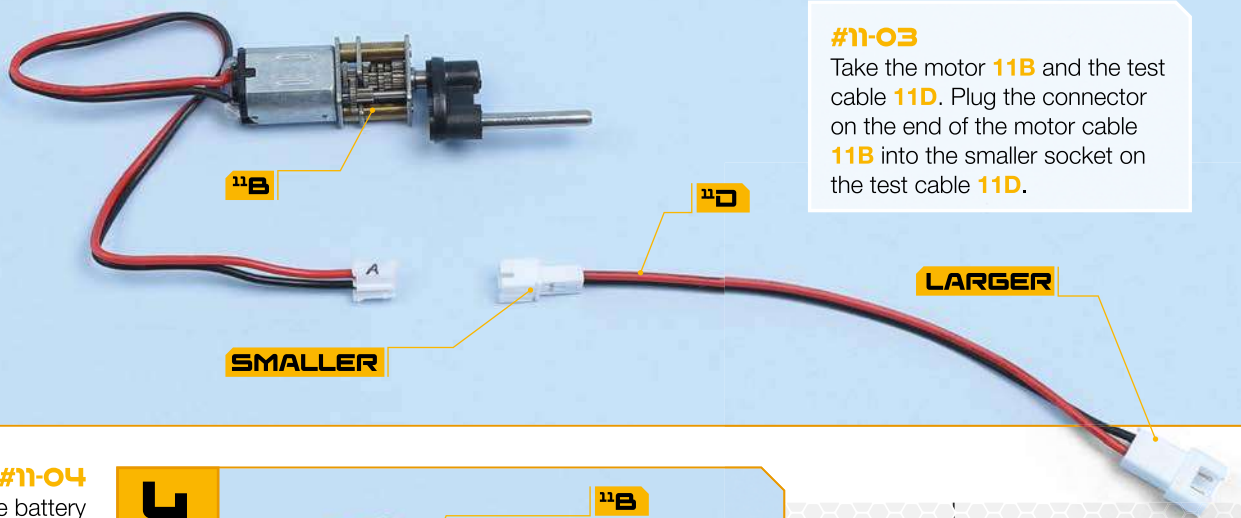
1**#11-01**

Take the dome assembly from the previous issue and identify the fixing points for the motor housing **11A**: the housing has four tabs, each with a screw hole that aligns with raised screw sockets inside the dome **3F**. The inset below shows **11A** in position.

2**#11-02**

Fix the housing **11A** in place with four **AP** screws (circled below).

3

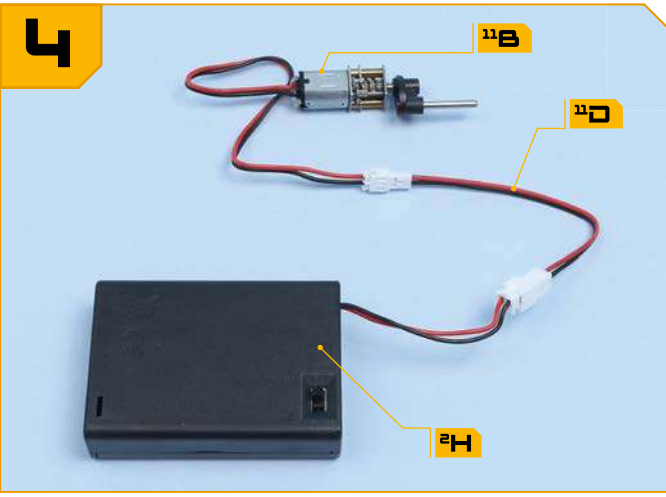


#11-03
 Take the motor **11B** and the test cable **11D**. Plug the connector on the end of the motor cable **11B** into the smaller socket on the test cable **11D**.

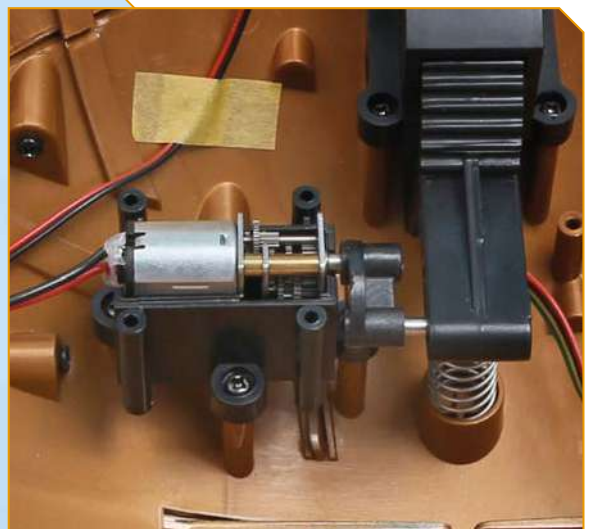
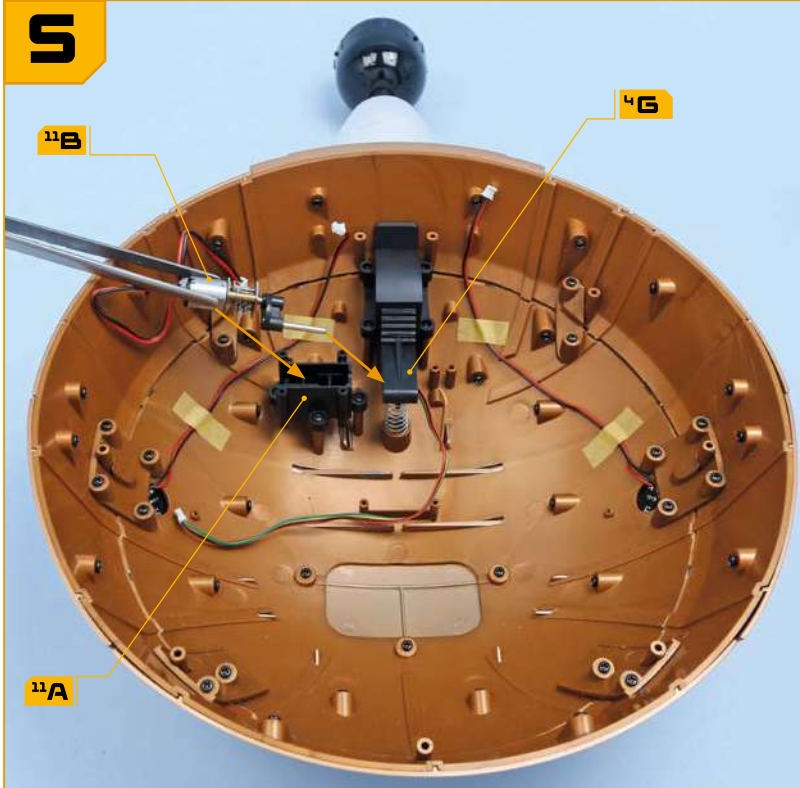
#11-04

Take the battery box **2H** and fit three **AA** batteries. With the switch set to 'OFF', plug the battery cable into the larger socket on the test cable **11D**. Switch the battery box on to test that the motor works. Then turn it off and unplug the cables.

4

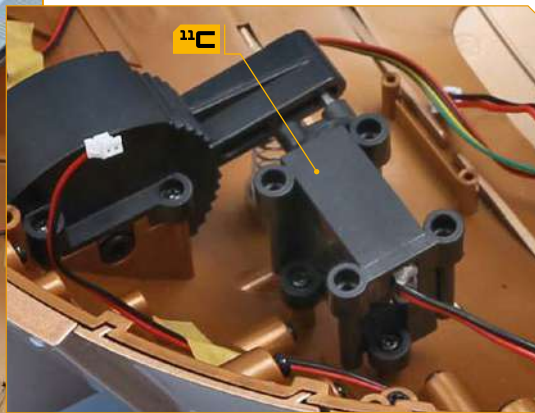
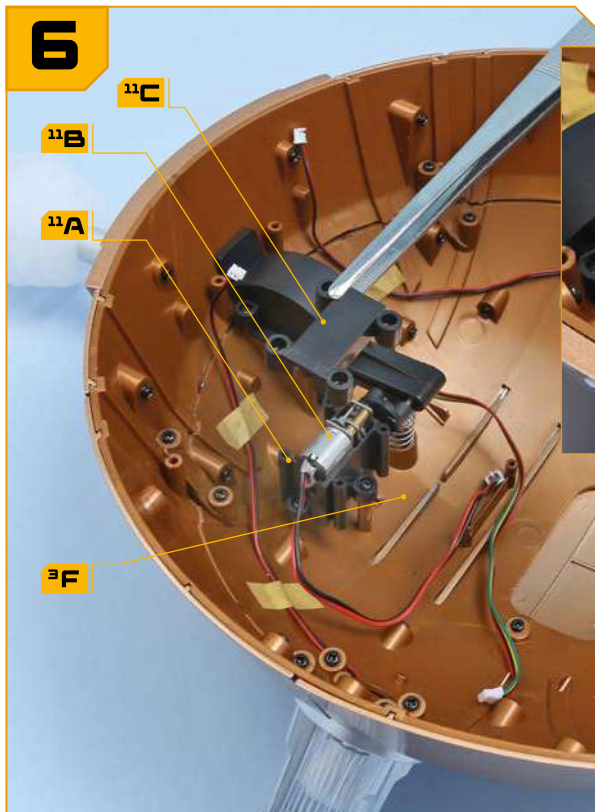


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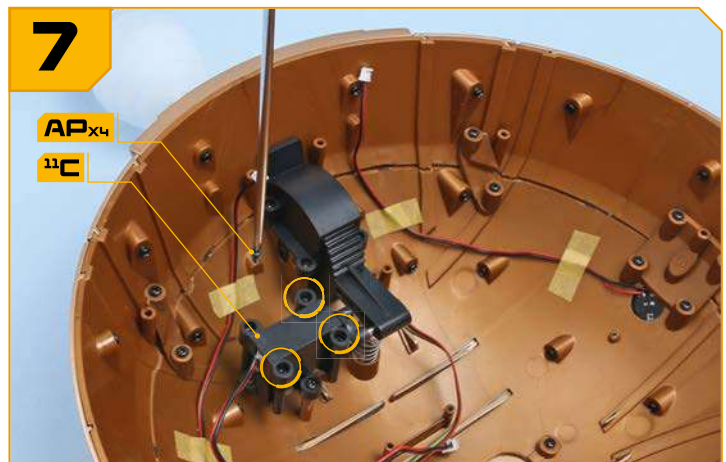
#11-05

Fit the motor **11B** into the housing **11A**, as indicated. At the same time, the bar on the motor fits into a slot at the end of the cog mechanism **4G**. You may need to temporarily re-connect the battery box to turn the motor to a position where it fits.

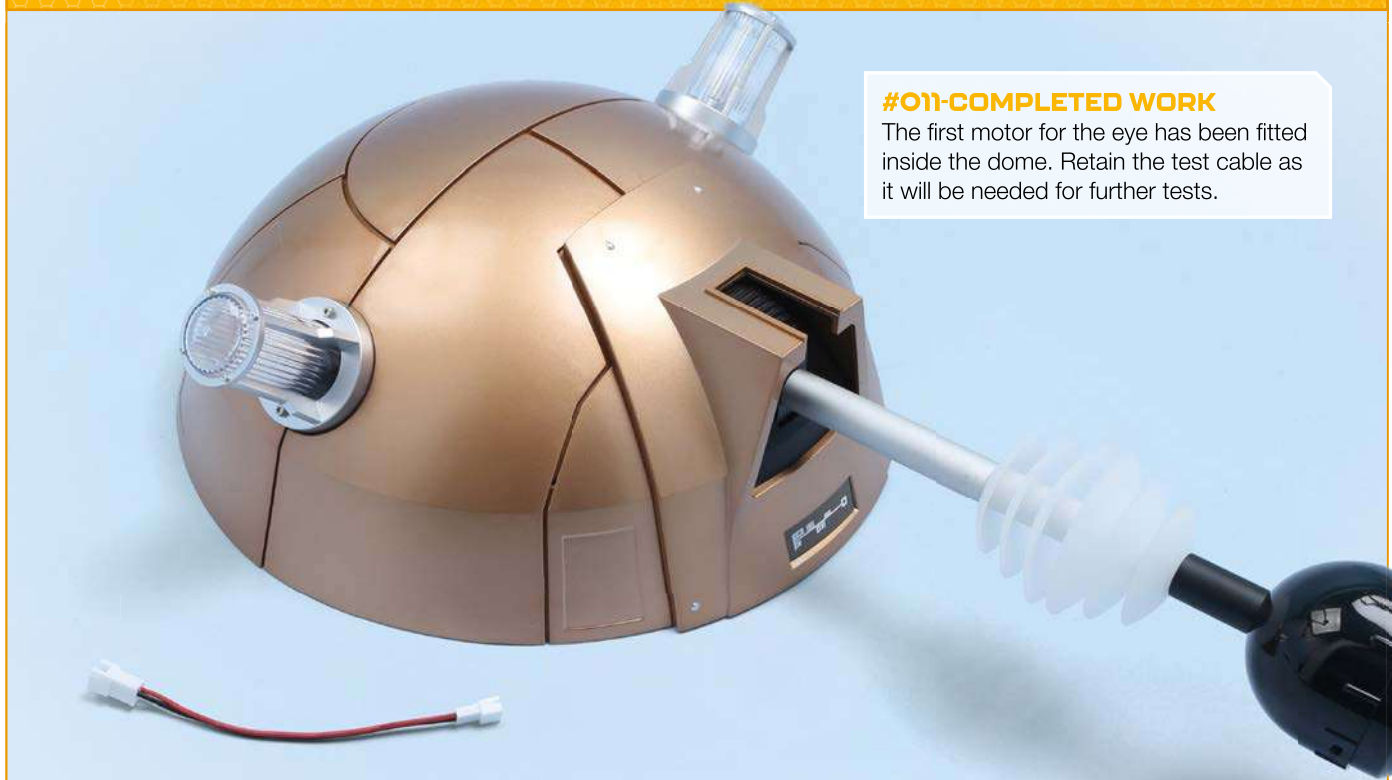


#11-06
Take the motor housing cover **11C** and fit it on top of the motor housing **11A** so that the motor **11B** is held in place.

#11-07
Fix the cover **11C** in place with four **AP** screws. Do not test the motor at this stage as it will not function correctly, and damage may occur.



COMPLETED WORK



#011-COMPLETED WORK
The first motor for the eye has been fitted inside the dome. Retain the test cable as it will be needed for further tests.

THE DALEK

COMING IN
ISSUE 12

BUILD PART 12

The first motor for the eye has now been fitted inside the dome. Next time you can install the circuit board into the dome and attach the second motor housing and motor cover.



THE TIME VORTEX



The Sixth Doctor's many encounters with the Daleks.

ADVENTURES IN TIME AND SPACE



The Daleks manipulate events on Satellite 5 in *Bad Wolf*.

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