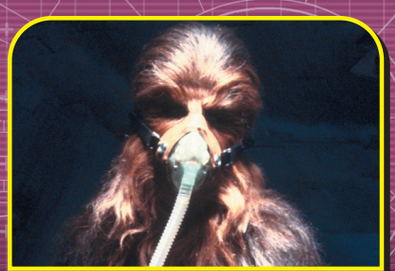
STAR WARS MILLENNIUM FALCON

BUILD THE MODEL – EXPLORE THE GALAXY





EMERGENCY EQUIPMENT

FANHOME

DeAgostini COLLECTIBLES

Disney · LUCASFILM
© & ™ 2023 LUCASFILM LTD.

F219FSC019

STAR WARS MILLENNIUM FALCON

USA Published by De Agostini
Publishing USA, Inc.
299 Park Avenue, New York,
New York 10171

UK Published by De Agostini UK Ltd
c/o Royds Withy King, 69 Carter Lane,
London EC4V 5EQ

DE, AT, NL, PL, CZ, SK, LT, SE
Published by De Agostini
Publishing, S.p.A, Via G. da Verrazano 15,
28100 Novara,
Italy

All Rights Reserved.

Printed in Italy

ISSN: 2976-6990 (Print)
ISBN EE Countries: 979-12-209-0809-2

Pictures and © & TM 2023 LUCASFILM LTD.

© & ™ 2023 LUCASFILM LTD.

The price of this issue includes the magazine and the attached assembly parts.

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 for USA). This product is not a toy and is not designed or intended for use in play. The model is complete in 100 issues.

CUSTOMER SERVICES

USA
email: support@usa.fanhome.com

UNITED KINGDOM
email: support@uk.fanhome.com

DEUTSCHLAND
email: support@de.fanhome.com

AUSTRIA
email: support@at.fanhome.com

NETHERLANDS
email: support@nl.fanhome.com

POLAND
Kontakt z biurem obsługi klienta:
tel: 22 307 64 59
e-mail: bok@deagostini.pl

CZECH REPUBLIC
Kontakt na zákaznické centrum ČR:
tel: 246 017 120
e-mail: zakaznicke.centrum@deagostini.cz

SLOVAKIA
Kontakt na zákaznické centrum SR:
tel: 0220 839 090
e-mail: zakaznicke.centrum@deagostini.sk

WARNING
Any reproduction, even partial, of the contents of the magazine is prohibited without permission from the Publisher. The assembly parts 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.

FANHOME

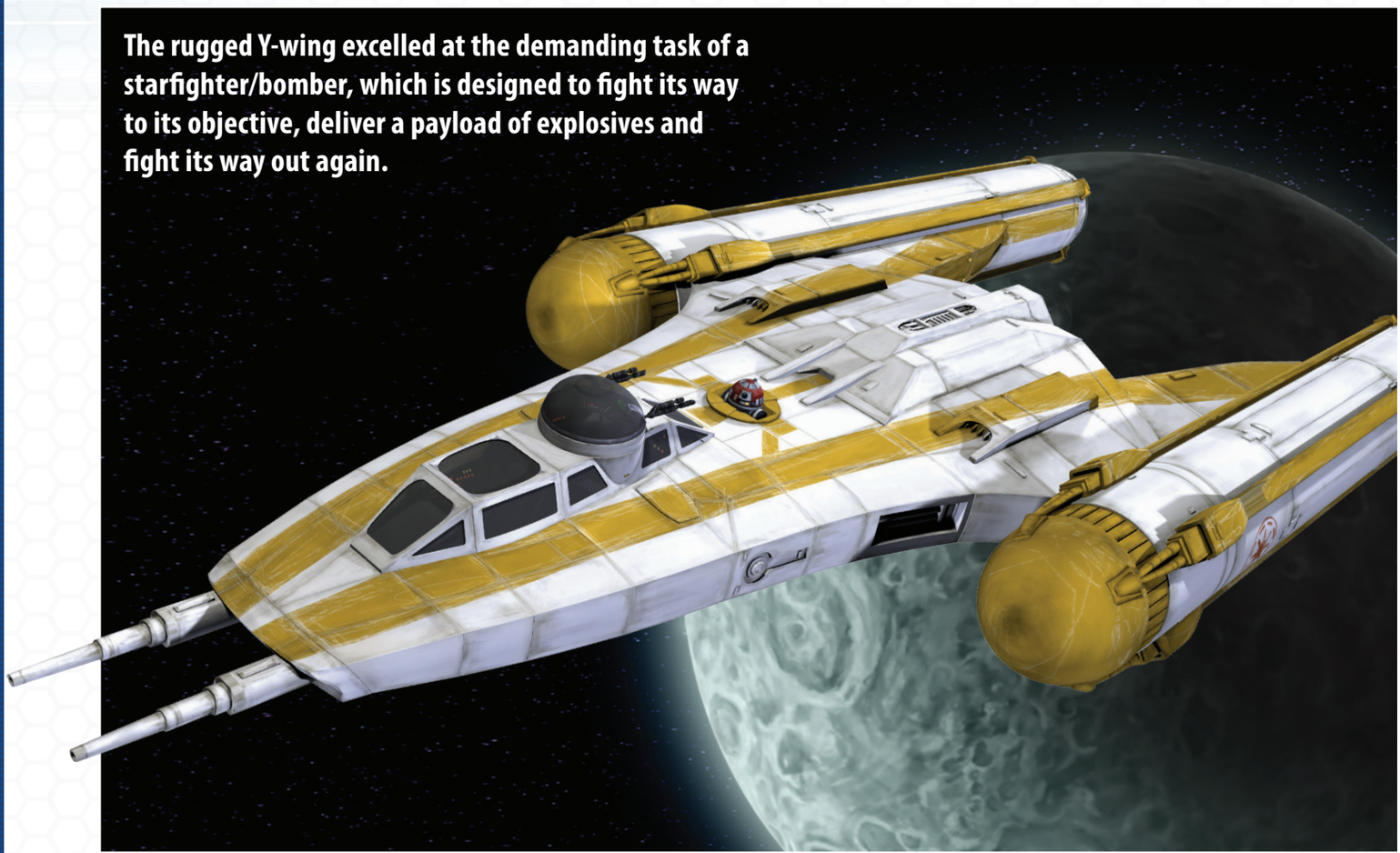
DeAgostini COLLECTIBLES

More information at
fanhome.com
deagostini.com

REPUBLIC AND ALLIANCE STARFIGHTER

KOENSAYR BTL-B Y-WING FIGHTER-BOMBER

The rugged Y-wing excelled at the demanding task of a starfighter/bomber, which is designed to fight its way to its objective, deliver a payload of explosives and fight its way out again.



Developed by Koensayr Manufacturing, the first Y-wing starfighter – the BTL-B – was deployed in haste during its testing phase. Despite this, it proved invaluable during its first mission, destroying the *Malevolence*'s feared ion cannon during the Clone Wars. Much later, Y-wings joined the fight against the dreaded Death Stars.

The ship was conceived as a multi-role attack starfighter and light bomber that would be able to fight its way to its target with minimal support, deliver its payload of high explosives and return unharmed, ready for its next mission. The Y-wing was considered vital to the Republic and Rebel Alliance war effort, and remained in service (albeit in different guises) for many years.

Y-SHAPED CONFIGURATION

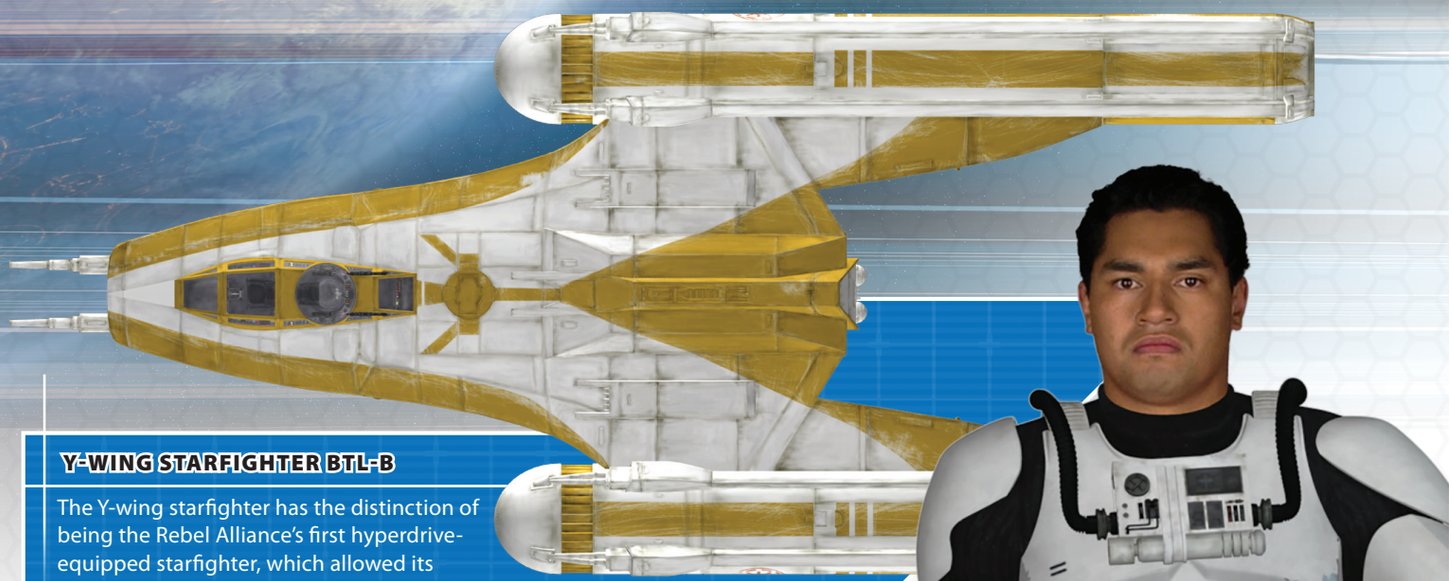
The Y-wing's basic configuration consists of a wedge-shaped cockpit module trailed by a reinforced central spar that is home to a rear gunner position and astromech socket. Its central spar is connected to a cross-spar and each end of the cross-spar is secured by a long pylon that

Y-WING STARFIGHTER BTL-B TECHNICAL SPECIFICATIONS

DESIGN	Koensayr Manufacturing
TYPE	Starfighter/Bomber
LENGTH	23.4 meters
SPEED	100 MGLT
MAXIMUM SPEED	1000 km/h
AFFILIATION	Republic
WEAPONS	Medium laser cannon, paired set ArMek SW-4 ion cannons (turret), MG7 proton torpedo launcher (6 torpedoes each), and Proton bombs
SHIELDING	Chempat deflector shield

MF_19_2ED_SFF_US.indd 1 04/09/2023 09:02

STARSHIP FACT FILE



Y-WING STARFIGHTER BTL-B

The Y-wing starfighter has the distinction of being the Rebel Alliance's first hyperdrive-equipped starfighter, which allowed its pilots to travel through hyperspace to a distant sector, engage and destroy their targets, and finally escape back through hyperspace before any Imperials could react. However, the ability to travel through hyperspace required the help of an astromech droid to serve as a navigator by storing the necessary jump coordinates.

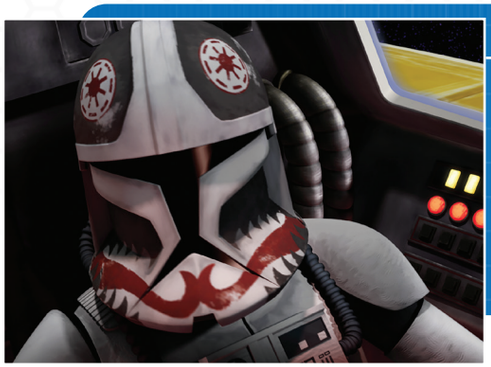
houses both a sublight engine and the ship's hyperdrive.

The Y-wing gained a well-deserved reputation for durability, mainly due to its titanium-reinforced fuselage, the inclusion of a Chempat deflector shield and heavy armor panels that provided additional backup to the ship's shields. However, the armored panels hindered the starfighter's maintenance, with engineers having to go through the often tedious and fiddly job of removing panel after panel every time something needed to be tuned, repaired or replaced.

ASTROMECH FACILITY

The Y-wing could be fitted with R2 and R4 model droids, which were also able to perform in-flight maintenance, fire control and power management operations. To provide an additional defense against attacks from the rear and the sides, a secondary laser turret (with rear gunner, in a very exposed bubble) was installed behind the pilot and in front of the astromech socket.

Despite its robustness and effectiveness during combat, the Y-wing was rather slow and ungainly, and its maximum speed flying in an atmosphere was just 1000km/h, although higher speeds could be obtained if the deflector shields were turned on. In later models, rebel technicians decided to strip away the heavy armored panels, reducing the time required for maintenance, but exposing the ships superstructure and making it somewhat more susceptible to damage. In addition, the overall length of later models was trimmed by



CLONE PILOTS

Clone trooper pilots were initially picked at random from the ranks of the normal clones, and trained to be pilots and technicians. As the Clone Wars progessed, however, a new breed of clones was raised to fly the latest Republic starfighters. While they could fly most ships deployed by the Republic, many were trained to specialize in one particular craft.

When Phase I armor was in use, clone starfighter pilots wore specialized helmets that carried yellow markings and red Republic symbols.

MF_19_2ED_SFF_US.indd 2 04/09/2023 09:03

BATTLE OF KALIIDA SHOALS MEDCENTRE

ATTACK ON THE MALEVOLENCE

As General Grievous' flagship *Malevolence* became the terror of the Outer Rim, Anakin Sykwalker approached Koensayr, which was still putting finishing touches to the first Y-wings at its testing facility in orbit around the planet Bormus.

Taking the ships he needed, Sykwalker assembled Shadow Squadron for a dangerous mission in defense of a Republic medcentre near Kaliida Shoals, which was about to be attacked by General Grievous. As the first Y-wings approached, Grievous fired the flagship's ion cannon and destroyed two Y-wings immediately. However, while the clone pilots took more losses, they remained calm under the command of Skywalker. Finally, the remaining starfighters were able to avenge their colleagues by firing torpedoes straight into the heart of the *Malevolence*'s feared ion cannon and disabling the flagship before fleeing.



Y-wings would be decisive in their very first battle, the fight against the mighty Separatist flagship *Malevolence*.



up to eight meters by reducing the size of the cockpit area and the cowlings that cover the ion exhausts from the engines.

COMBAT AND ARMORY

The Clone Pilots of Shadow Squadron, who first piloted the Y-wing starfighters, had been thankful of the heavy armored panels because they knew that if the shields ever failed, the ship could withstand a couple of heavy hits from a droid fighter before going down. The forward-firing laser cannons packed a mighty punch and proved extremely capable during combat. In addition, the Y-wing's sluggish speed was mitigated by its ability to carry 12 heavy proton torpedoes and by its unique ability to paralyze enemy vehicles with ion canon fire, without necessarily destroying them.

The most vulnerable part of the Y-wing was the bubble-like gun turret. Whilst this proved essential during combat for fighting off attacks from the rear or sides, the position was exposed and effectively without any of the armored protection that the rest of the ship benefited from. The brave clones who took up this position were highly respected, as the gunners never saw the danger the pilot was flying towards, only what they were flying away from. Many of them adopted a gung-ho attitude towards their role.

Throughout the Clone Wars, the Y-wing proved its worth again and again. Although it was plagued by maintenance issues because of the time it took to disassemble, it earned respect for its robustness and accuracy in combat.



BEHIND THE SCENES

RECYCLING

Steve Gawley's early Y-wing blueprints, dating back to September 1975, reveal a torpedo tube underneath the cockpit, as well as a central aluminum support tube used in its center engine pod. While these drawings remain important to recording the design process, they were not necessarily followed precisely by Industrial Light and Magic (ILM) or when the vehicle was built on set in England. As the film got bigger and bigger, Gawley stopped drawing the blueprints and eventually joined Lorne Peterson and others as a model maker.

During the attack on the Death Star, the Y-wings were quickly picked off, and only three ever shared the screen at one time. The fragile nature of the models also meant that they needed several repairs during the brief filming.



MF_19_2ED_SFF_US.indd 3 04/09/2023 09:03

EMERGENCY EQUIPMENT

Like any experienced starship captain, Han Solo and his first mate Chewbacca made sure they had essential equipment to deal with any conceivable emergency on board the *Millennium Falcon*.



During the attack by the Death Star's screen of TIE fighters, blast damage and jolts from enemy laser bolts exposed parts of the *Falcon*'s electrical wiring, and started several small fires.

Astromechs have integrated retardant sprays for fighting the type of electrical fire that humans have to tackle with the aid of an extinguisher.

One of the biggest risks of spaceflight is electrical fires. Fed by the ship's air supply, internal conflagrations are the stuff of spacers' nightmares, destroying vessels from within to make them implode in the unforgiving vacuum of space.

Given the hazards of their occupation, Solo and Chewbacca installed several hand-held fire extinguishers around their ship. One set went in the cockpit, where the crew spent most of their time, and more were located near every hatch of the ship. But extinguishers are only effective when a crew member is on hand to fight fires. That is why (like many other ships) the *Falcon* is also fitted with automated built-in firefighting apparatus. Although it can't always be relied upon to put out the flames, the system includes a network of pressurized canisters containing an anti-incendiary gas and high-expansion suppression foam, also known as firefoam, deposited around the ship. Each is attached to a computer-controlled nozzle that releases gas and foam in the event of fire.

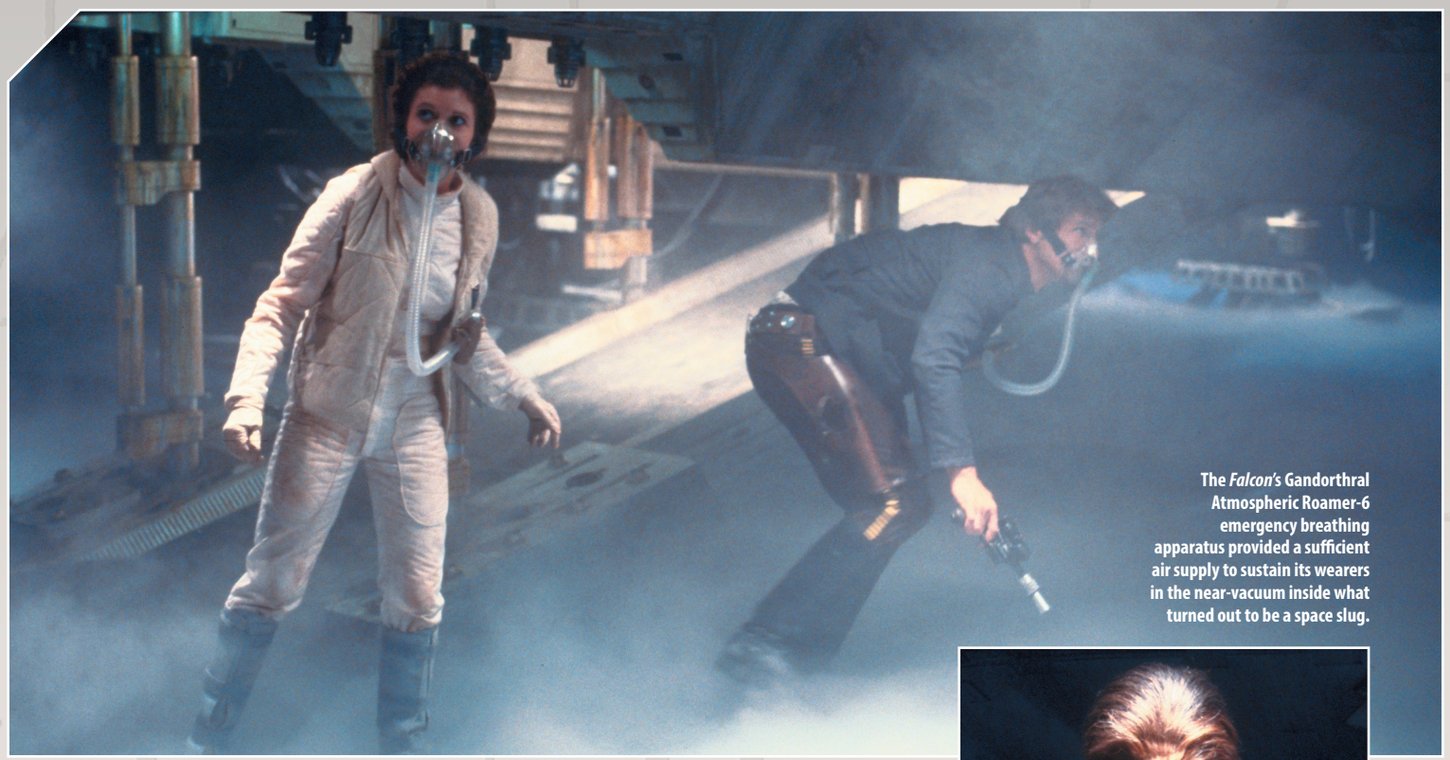
CAUGHT IN A FIREFIGHT

Unfortunately, the *Falcon*'s firefighting system is temperamental, and prone to failure because of its age. Even though Han Solo was careful to maintain his equipment regularly, the automated network failed when the *Falcon* took several laser bolts during a dogfight with the first Death Star's sentry TIE fighters before the Battle of Yavin.

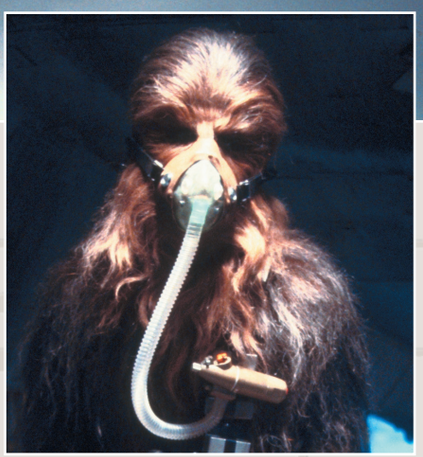
The first laser bolt to strike home caused the *Falcon* to bounce slightly. The second streaked into the ship's side and caused her to lurch violently, throwing protocol droid C-3PO into a cabinet full of small computer chips as Chewbacca and Princess Leia lost lateral control. The third hit the ship's control panel, causing it to blow out in a shower of sparks that the firefighting system failed to extinguish. Fortunately, the astromech R2-D2 was on board, and came to the rescue with his own inbuilt fire-retardant spray.

Before the dogfight came to an end, the *Falcon* was hit once more, leaving C-3PO on the deck, tangled in smoking, sparking wires. Fortunately, these were easily dealt with, and the encounter only added to the *Falcon*'s reputation as 'the fastest hunk of junk in the galaxy'.

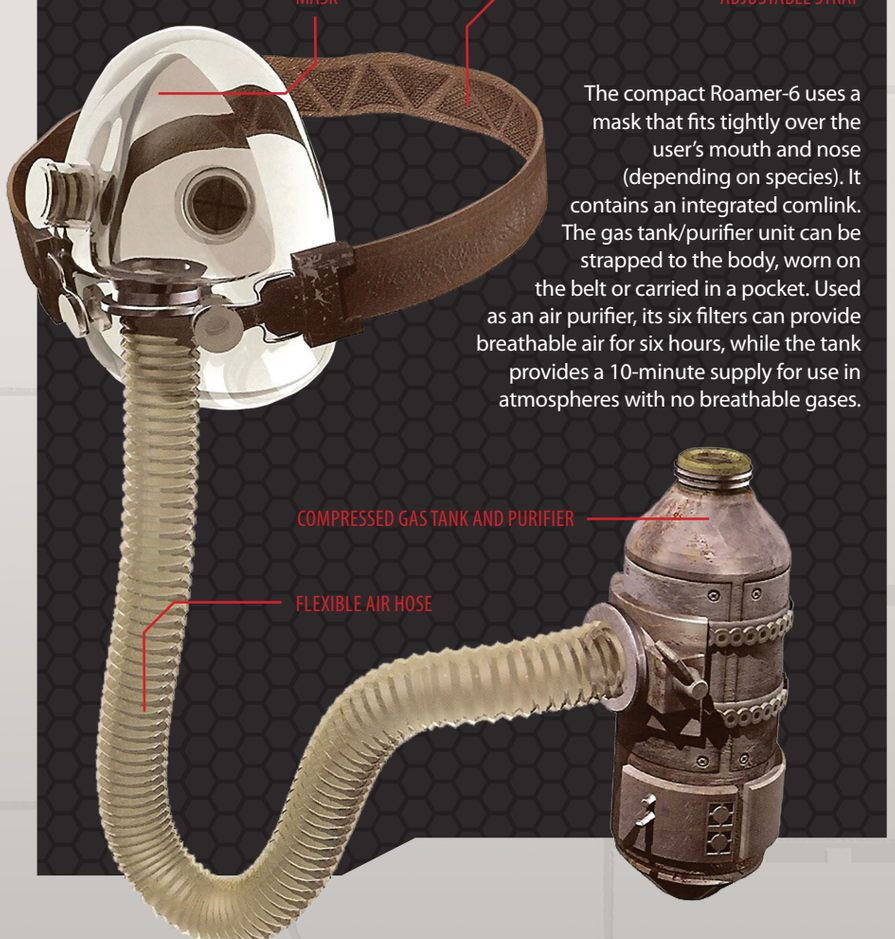
MF_19_2ED_SOS_US.indd 4 12/07/2023 13:09



The *Falcon*'s Gandorthral Atmospheric Roamer-6 emergency breathing apparatus provided a sufficient air supply to sustain its wearers in the near-vacuum inside what turned out to be a space slug.



ROAMER-6 BREATH MASK



The compact Roamer-6 uses a mask that fits tightly over the user's mouth and nose (depending on species). It contains an integrated comlink. The gas tank/purifier unit can be strapped to the body, worn on the belt or carried in a pocket. Used as an air purifier, its six filters can provide breathable air for six hours, while the tank provides a 10-minute supply for use in atmospheres with no breathable gases.

BREATHING APPARATUS

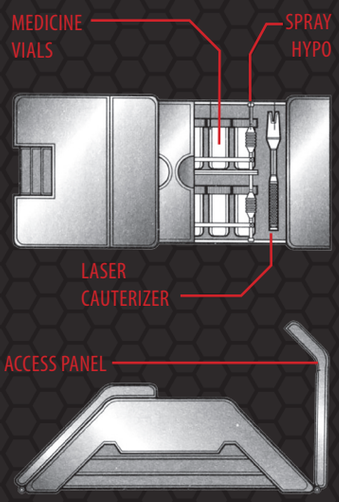
Fire's other hazard is that it can quickly fill a ship with choking fumes, so the *Falcon* carried several sets of standard-issue Gandorthral Atmospheric Roamer-6 emergency breathing masks. Worn over the nose and mouth, and attached by a head strap, these are not only effective for filtering out smoke, but have many other shipboard uses.

Although its construction is basic, the apparatus includes its own purifier and compressed air supply. Thanks to built-in air scrubbers, the masks also have a medical application, as they can remove deadly microscopic germs and poisons from the air. The *Falcon*'s crew and passenger were even able to use the breath masks following the escape

MF_19_2ED_SOS_US.indd 5 12/07/2023 13:09

GLIS EMERGENCY MEDPAC

The basic General Life-Sustaining Emergency Medpac manufactured by Chiewab contained treatments for fractures, cuts, contusions, burns, and traumatic injuries. Its computer was reprogrammable to suit thousands of different species, although it could only handle one type of patient at a time.





Leia tends an injured Luke after the escape from Bespin. The *Falcon*'s emergency medpac kept Luke's condition stabilised until the fugitives could get him to a proper medical facility.

from Hoth, when they prevented their wearers from asphyxiating in the near-vacuum of the asteroid field. Their built-in comlinks enabled communication during the escape from what turned out to be a space slug's gullet.

FIRST-AID MEDPACS

Any small ship that doesn't have its own sickbay and medical staff needs to carry first-aid equipment, such as the popular Chiewab GLiS (General Life-Sustaining) medical kits, also known as medpacs or medi-pacs, which are commonly specified on the YT-1300.

You don't need much training to use a Chiewab GLiS. It includes a diagnostic scanner that monitors a patient's vital signs and a database of treatment procedures. Its bone stabilizer is used in tandem with spray splints to help heal broken bones, and Princess Leia used one of these kits to stabilize Luke Skywalker after Darth Vader sliced off the Jedi-in-training's hand with his lightsaber. Leia applied a coagulant from the *Falcon*'s Chiewab GLiS to stop Luke's wound from bleeding, before treating it with soothing salves and antiseptic healing bulbs.

The GLiS medpac also treats burns, contusions, and traumatic injuries, but just in case that was not enough, Solo and Chewbacca installed a supply of military-grade BioTech FastFlesh medpacs as back-up. These include advanced synth-nutrient replicators, body chemistry boosters, laser cauterizer, nerve regenerator, tissue regenerator, and a sonic scalpel.

BEHIND THE SCENES

REAL-LIFE EMERGENCY EQUIPMENT

The breathing apparatus used to leave the *Falcon* was based on a standard type of emergency medical services (EMS) adult non-rebreather (NRB) mask – used in medical emergencies where a patient is able to breathe unassisted, but requires a higher concentration of oxygen. The mask's cheap elastic strap was replaced with an adjustable one from a scuba diving mask, and the prop's compact gas canister was assembled from scrap parts.



Harrison Ford pictured wearing a prop made by modifying a mask designed for delivering extra oxygen to a patient during a medical emergency.

MF_19_2ED_SOS_US.indd 6 12/07/2023 13:09

YOUR NEXT PARTS

This issue includes a new type of assembly. The underside of the hull has two deep recesses in the outer plating. These are fitted on the inside of the metal framework, but first you need to install the machinery that fills these areas. You can then emphasize the detail with paint, as shown on page 9.

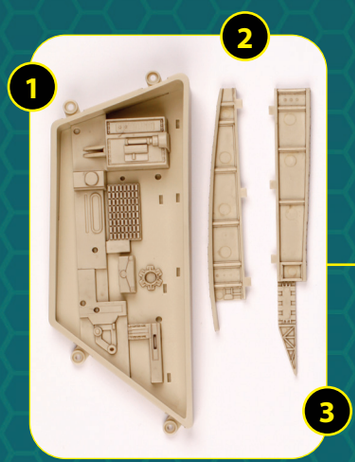
In addition to completing the recess, we also introduce you to using spray paint for the first time. This is not essential, but will add greatly to the realism of this detail. Finally, you can start to put together the passage tube that links the ring corridor to the cockpit.

COMPONENTS CHECKLIST

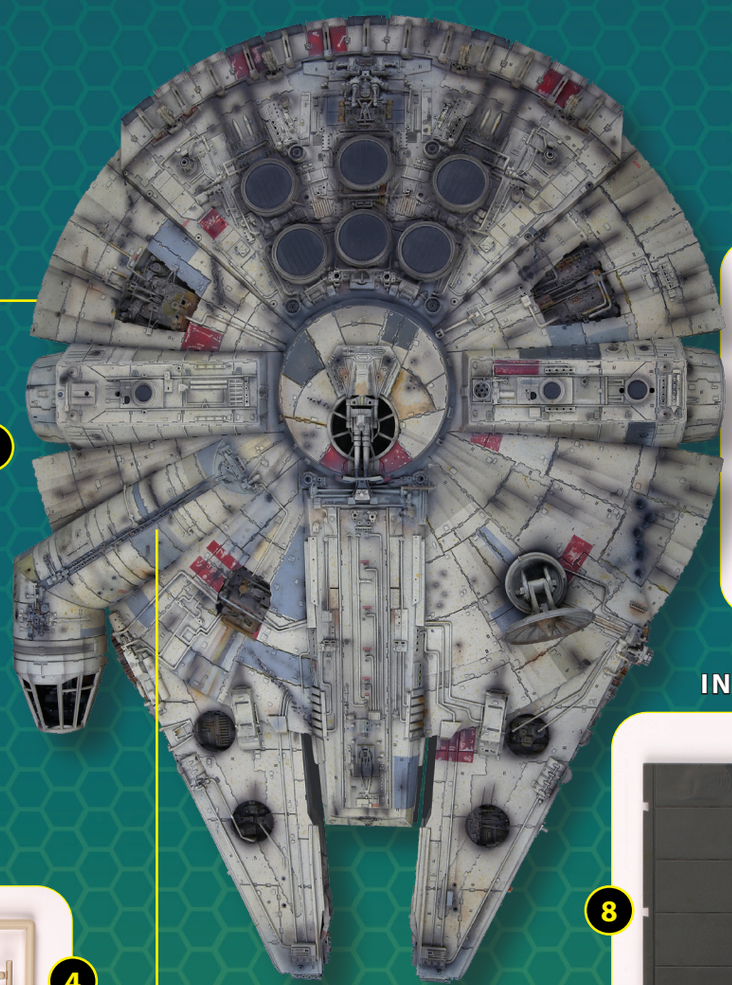
1. Port hull recess
2. Reinforcing beam
3. Reinforcing beam
4. Plant-on details (8 on sprue)
5. Fixing screws (x 6, plus spare)
6. Corridor arch
7. Cushion pads (set of 18 on sprue)
8. Passage tube floor
9. Passage tube base

WHERE THE PARTS FIT

HULL DETAILS



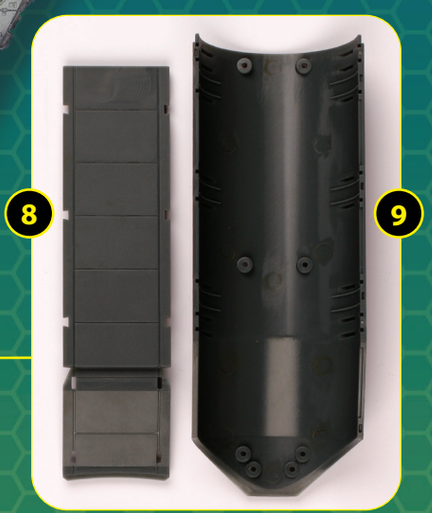
Parts 1, 2, 3 and 4 are for the **underside** of the hull.

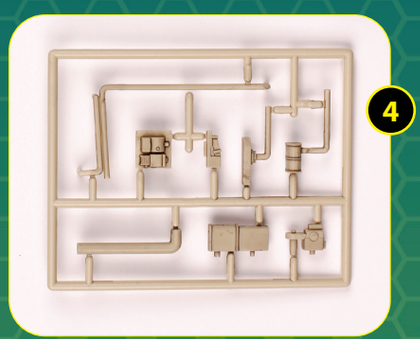






INTERNAL DETAILS

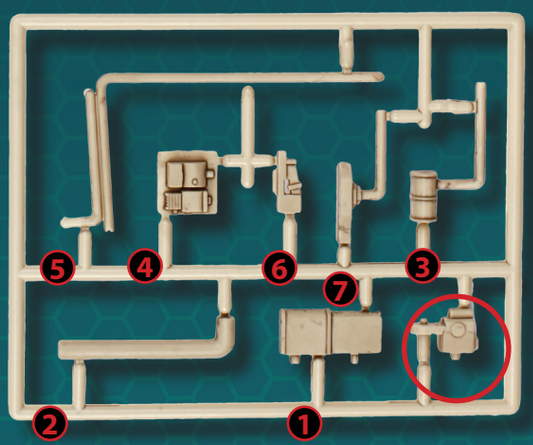




MF_19_2ED_BTF_US.indd 7 04/09/2023 09:03

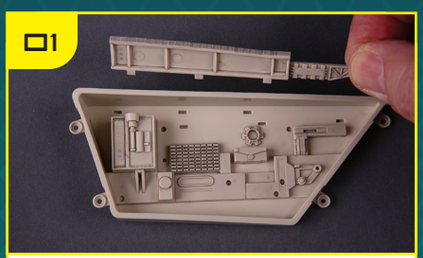
DETAILING THE RECESS

The recess contains a complex jumble of machinery, which is added by gluing Parts 2 and 3 and seven pieces from the sprue into place. As some of these overlap each other, it is important to fit them in the order shown.



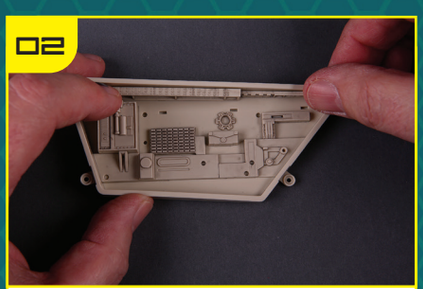
Note: the circled part is not used in this assembly. It is a plant-on detail for the hull plating, so keep it safe until it is needed.

01

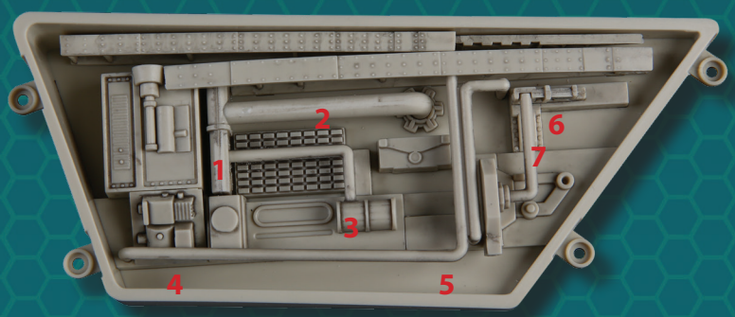


Start by aligning Part 3 as shown, matching up the three tabs with the slots in Part 1.

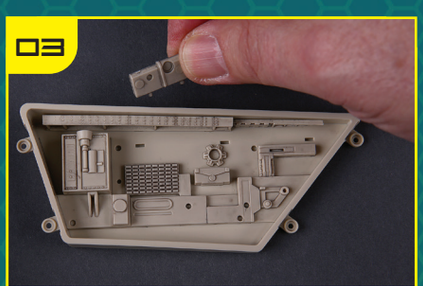
02



Glue Part 3 into place with three spots of superglue.

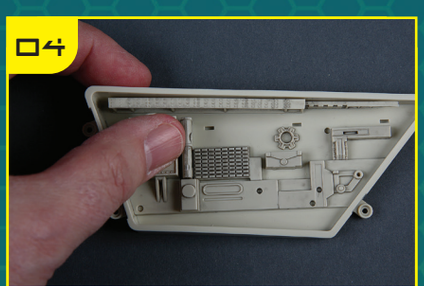


03



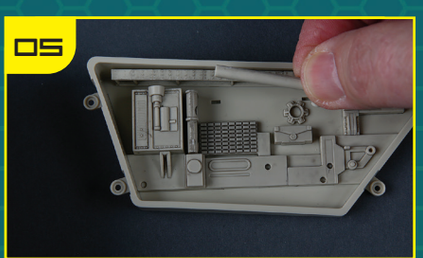
Trim (1) off the sprue. Note that it has two pins: one thicker than the other.

04



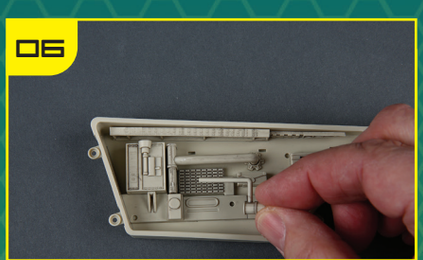
The pins only fit one way round. Glue (1) in position as shown.

05



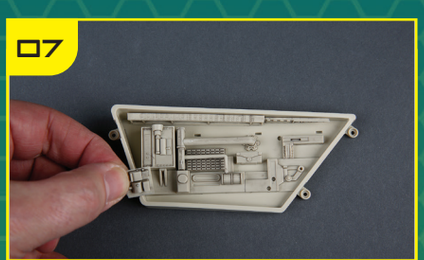
Trim (2) off the sprue. Glue one end into the matching recess indicated, with the other touching (1).

06



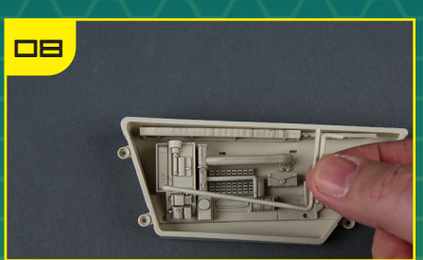
Trim (3) off the sprue. Glue the pin on one end into the matching hole indicated, with the other touching (1).

07



Trim (4) off the sprue. Glue the tab on the back into the slot indicated, noting which way up the part goes.

08



Carefully trim the long pipes (5) off the sprue. Glue the locating pins into the matching holes.

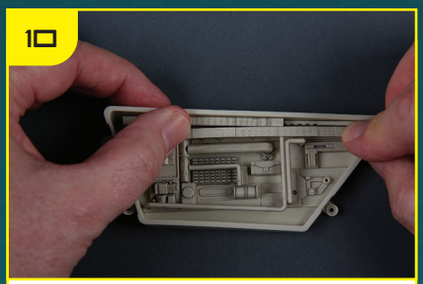
MF_19_2ED_BTF_US.indd 8 04/09/2023 09:03

09



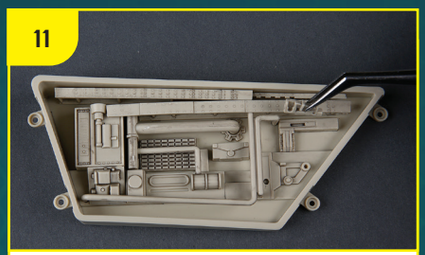
Align Part 2 as shown, matching up the three tabs with the slots in Part 1.

10



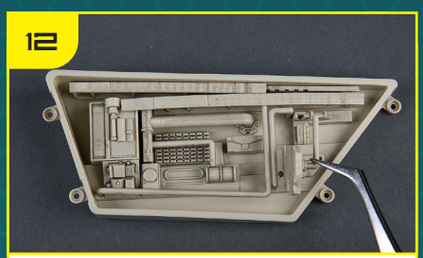
Glue Part 2 into place with three spots of superglue.

11



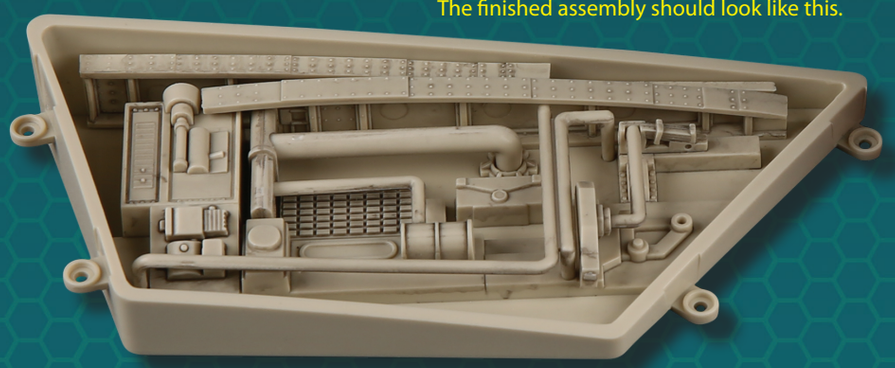
Trim (6) off the sprue. Glue the tab on the back into the slot indicated, noting which way round the part goes.

12



Trim (7) off the sprue. Glue the tab on the back into the hole indicated, with the other end touching (6).

The finished assembly should look like this.

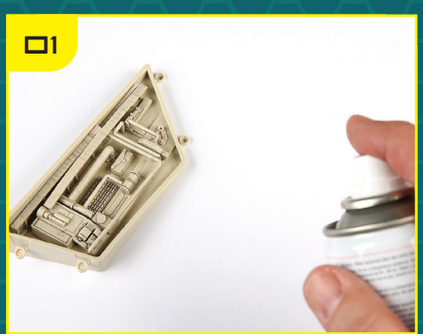


PAINTING THE RECESS

This area of the *Falcon* is very dirty, with grime caked in the deepest areas. Although it is possible to paint the recess with a brush, the best way to achieve the right look is with spray paints. You will need three colors of matte acrylic modeling paint: black, mid-gray and light gray. Always use spray paints according to the maker's instructions, take note of the safety warnings and cover your work area with dust sheets and paper to protect it from over-spray.

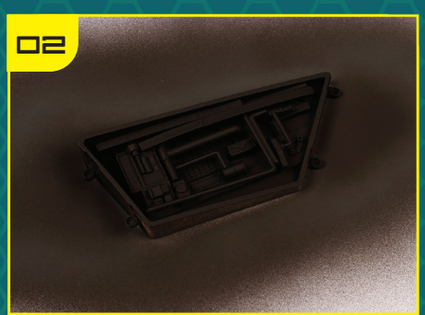


01



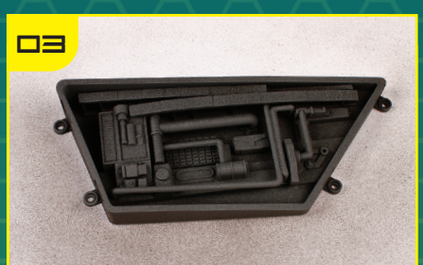
Start with matte black paint. Shake the can well to mix the color, and spray lightly from a distance of about 30cm (1 ft).

02



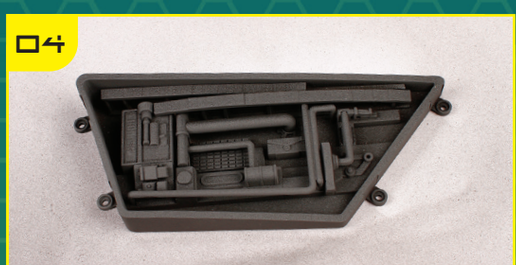
Do not apply the paint too thickly. If necessary, leave to dry for 15-30 minutes and apply a second coat to ensure that the deepest areas are coated.

03



Switch to mid-gray paint and spray a thin coat lightly across the outer surfaces at an angle, so the paint only reaches the high spots, leaving the depths black.

04



Repeat Step 3, switching to light gray to emphasize the high spots. Apply the color very lightly, checking the effect as you go. If you apply too much, you will have to go back to Step 1.

The finished paintwork should look like this. The edges will be covered by the outer plating when the recess is installed, and more detail will be added when the hull plates are customized later in the build.



MF_19_2ED_BTF_US.indd 9 04/09/2023 09:03

ASSEMBLING THE PASSAGE TUBE

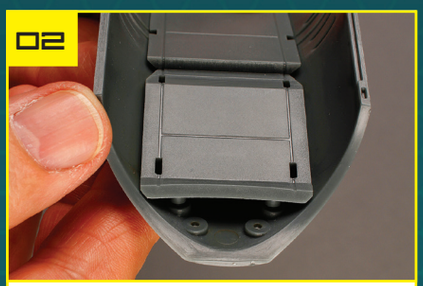
The assembly of the passage tube is similar to the corridors that you have already built. You will need the two corridor arches assembled in Stage 18, plus the one provided with this issue, which needs to be assembled in the same way as before.

01



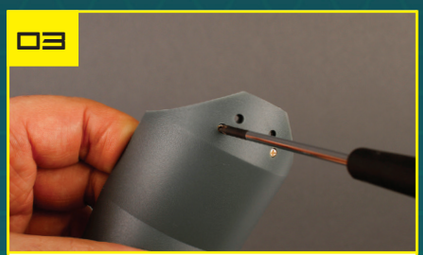
Take Parts 8 and 9 (the passage tube floor and base), which go together like this.

02



Make sure that the slope in the floor fits like this, with the end flush with the base.

03



Use two 4mm brass self-tapping screws through the holes further from the end of the passage to secure the end of the floor.

04



Use four more screws to secure the rest of the floor to the base.

05



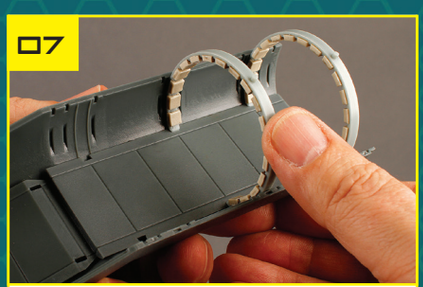
Take the three assembled corridor arches, including the one provided this time.

06



Fit the ends of the first arch into the dovetail slots near one end of the tube.

07

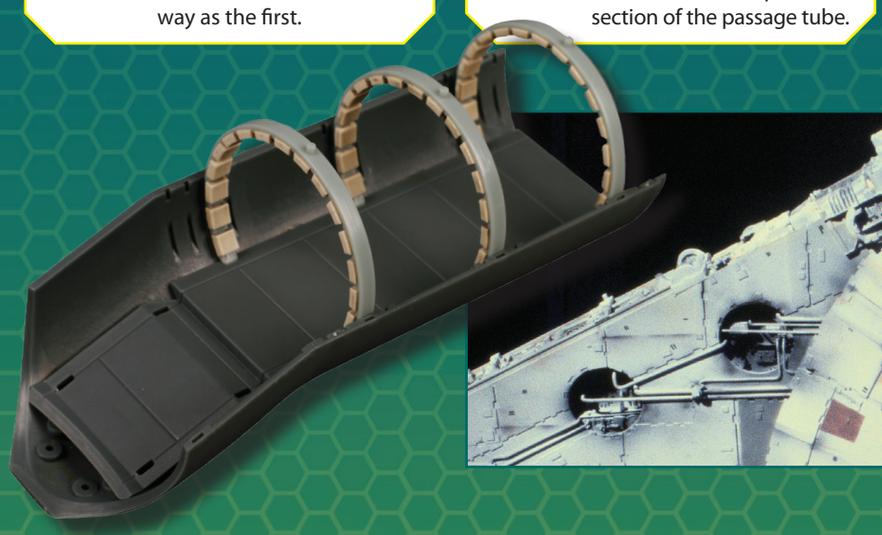


Fit the second arch in the same way as the first.

08



Add the third arch to complete this section of the passage tube.



RECESS DETAIL

With far fewer features on the underside of the model than the top, the darkness of the two four-sided recesses on the hull and the four circular pits on the mandibles appear particularly prominent in the action sequences – for which the filming miniature was brightly lit.

The rarely photographed underside of the filming miniature, pictured below during blue-screen work. It appears brighter than in reality, due to the powerful studio lights.

BEHIND THE SCENES

MF_19_2ED_BTF_US.indd 10 04/09/2023 09:03