

CODENAME

OPERATION REX

♦ Build Manual ♦

▶ EDITION	PUBLIC RELEASE · FREE TO SHARE
▶ SUBJECT	Clone armour with 501st blue markings
▶ BUDGET	€150-350
▶ BUILD TIME	50-100 hrs
▶ TIMELINE	8 weeks

**A LONG TIME AGO, IN A WORKSHOP FAR, FAR
AWAY....**

FROM ZERO TO REX

Captain Rex – the 501st clone captain, Anakin's right hand, the soldier who survived the Empire. White Clone Trooper armour with the iconic blue 501st markings.

May the Force be with all who walk this path.



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READING ORDER · IF YOU READ NOTHING ELSE

Start here: [Reality Check](#) — it tells you what you are signing up for.

Before the event: [Game Day](#) — the chapter that matters at hour two.

Everything in between is your build, in order. Take it one section at a time.



READ ME FIRST

This is a field manual, not a novel — you are not meant to read it front to back. Jump to the station you need:

RIGHT NOWReality Check + Phase II vs Stormtrooper.

BEFORE BUYINGThe Complete Parts List — order everything in one batch; shipping is the bottleneck.

WHILE BUILDINGWork the build chapters in order; each one is a station, not a lecture.

BEFORE THE EVENTGame Day — the only chapter that matters at hour two.

RUNNING LATE?Open the companion WEEK-BY-WEEK calendar and jump to your current week.

■ ONE SITTING RULE

Read Reality Check + Phase II vs Stormtrooper today. Everything else waits until its week.



PICK YOUR BAR

*Same clone captain, three grades of white — from a Halloween shell to a Legion-approved 501st build. The same build can be finished to three different bars — pick yours **now**, because builders who polish for the wrong one burn weeks.*

LEAN · €150–250

Casual

Reads as Captain Rex at 5m: a white trooper with blue stripes. Run a soft-armour or foam shell, hand-paint the 501st blue freehand, and skip the kama and holsters — the silhouette and the blue tally marks carry the read across a crowd.

EFFORT · ~50 hrs

MID · €280–400

Convention

Reads as Captain Rex at conversation distance: clean Phase II dome, crisp masked blue panels, and the kama hanging right. Most builders land here — a kit or ABS shell, taped-and-sprayed markings, twin holsters, and a light weathering pass that sells the war-worn veteran.

EFFORT · ~75 hrs

REBEL LEGION · €450+

Approved

Reads as Captain Rex under inspection: correct Phase II helmet geometry, accurate 501st blue placement and rangefinder, screen-matched kama and pauldron, and grime layered the way the Clone Wars showed it. Every strap, holster, and battle-scar holds up to a Legion approval handler at arm's length.

EFFORT · ~100 hrs



THE FALLBACK PLAN

*A first-time build of this suit is **50–100 hrs** of hands-on work across **8 weeks**. Life happens — so decide right now what gets cut when the clock wins. Finished beats perfect.*

BEHIND EARLY Drop first: No Cape. Nobody will notice at 5m.

BEHIND LATE Simplify next: Reference & Fit, Boots — buy instead of make, or borrow.

EMERGENCY Every printed part has a buy option. Switching one part to bought can save a whole week.

ALWAYS The final week is for wearing it, not building it — dress rehearsal beats one more coat of paint.

🕒 THE HONEST RULE

If a piece is not started two weeks before the event, it is not in this year's costume. Build it for the next one.



THE COUNTDOWN

The whole plan on one page — tick the boxes as the weeks fall. The full week-by-week calendar is a separate companion PDF.

Weeks 8–7 ☐ Plan + order filament, undersuit, twin blasters

Weeks 6–5 ☐ Print + finish the Phase II helmet — blue stripes are key

Weeks 4–3 ☐ Chest, pauldrons, vambraces — all white + blue trim

Week 2 ☐ Belt, Kama, twin holsters, legs

Week 1 ☐ Weather lightly + dress rehearsal + game day



REALITY CHECK

*An armour build like Trooper, but in the **Phase II Clone** shape and with 501st BLUE markings.*

Same family as Stormtrooper but the helmet and details are clearly Clone-era.



PHASE II VS STORMTROOPER

- ▶ **Phase II Clone** — rounder helmet, blue 501st stripes, twin DC-17s, Kama skirt.
- ▶ **Stormtrooper** — simpler angular helmet, all-white, E-11 rifle.

They share DNA but Rex's helmet is distinctly Clone.



THE HELMET

Phase II shape + 501st blue stripes + visor tally marks.

Print Phase II (not Stormtrooper), then paint white, then mask + paint the blue forehead band and cheek stripes.

JAIG EYES – OPTIONAL HONOUR

Rex's helmet sometimes carries 'jaig eyes' — a Mandalorian mark of valour. A nice detail to add once the basics are done. And take your time on the masking — crisp blue lines are what make people say 'that's Rex,' not just 'a clone.'



THE ARMOUR

White base, 501st blue accents everywhere.

Chest centre stripe, pauldron edges, shin stripes, knee diamonds.

UNDERSUIT + LIGHT WEATHERING

Strap everything over a black undersuit so the white plates seem to float on black. Rex is a front-line soldier — a little grime and a few scuffs (a thin black/brown wash, dry-brushed edges) makes him look battle-tested rather than brand-new. Keep it subtle: a little grime says veteran, too much says you fell in mud.



THE KAMA (SKIRT)

Officer signature.

Heavy fabric, blue trim, sits over the belt.



TWIN BLASTERS

TWIN DC-17 hand blaster pistols.

The dual-wield draw is Rex.



GAME DAY

- ▶ Helmet polished, blue stripes clean.
- ▶ Twin holsters secure.
- ▶ Experience outranks everything.

● ● MORE GAME DAY LINES

- ▶ “We're not droids. We're not programmed. You have to learn to make your own decisions.”
— *steady soldier voice — this is Rex's whole heart*
- ▶ “Congratulations. You're not shinies anymore.” — *proud grin, helmet under the arm*

😊 FOR LAUGHS — KID EDITION

- ▶ In my book, experience outranks everything — except pizza day.
- ▶ Congratulations, shiny. You survived picture day.
- ▶ This is Rex. The playground is secure. Repeat: the swings are ours.

The Soldier

Rex isn't a faceless trooper — he's a leader who thinks for himself. Carry him that way: squared shoulders, steady stance — disciplined, not stiff — and the twin-blaster ready pose for photos. Rex respects experience over rank; play him as the calm, capable one who's seen it all and still shows up.

COMPLETE PARTS LIST

Every piece referenced in this manual, grouped by where you get it. Shop in batches — fewer trips, fewer forgotten items.

PRINT THESE PARTS

Your 3D-printing queue. Test-print one piece before committing the whole suit.

- **Phase II helmet** — Round, NOT Stormtrooper-shaped.
- **Chest + back plate** — Blue trim.
- **Pauldrons (×2)** — Blue accents.
- **Vambraces (×2)** — Plain white.
- **Shin + knee plates** — Blue stripes.
- **Cod + thigh plates** — White + blue.
- **DC-17 blasters (×2)** — Twin pistols.

BUY THESE

Order all at once — shipping is the bottleneck.

- **Black undersuit** — Base layer.
- **Twin holster belt** — Two pistols.
- **Tan/black gloves** — Tactical.
- **Tactical Kama** — Officer skirt, blue trim.
- **Boots** — Hidden under shins.
- **501st blue + white paint** — Plus matte clear coat.

3D FILES & SOURCES

Where to find the printable files and reference standards. Nothing copyrighted is hosted here — these point to community designers and costume-club resources. Always check a model's licence before printing.

Phase II Clone helmet STL

Thingiverse

[▶ thingiverse.com](https://www.thingiverse.com/thing:1044444)

Clone armour set (full)

Cults3D

[▶ cults3d.com](https://www.cults3d.com/3d-model/Clone-Armour-Set-Full/1044444)

DC-17 blaster STL

Thingiverse

[▶ thingiverse.com](https://www.thingiverse.com/thing:1044444)

501st standards

501st.com

[▶ 501st.com](https://www.501st.com/)



THE REPAIR KIT

Everything breaks at hour two. A sandwich bag with these seven things turns a costume emergency into a two-minute pit stop.

SUPER GLUE GELReattaches snapped prints and popped seams in 60 seconds. Gel doesn't run.

BLACK GAFFER TAPEInvisible on dark builds — holds a cracked plate through a whole event.

SAFETY PINS + VELCROInstant strap repair, hem fix, cape re-hang.

ZIP TIES (BLACK)Broken buckle, loose greeble, sagging belt box — tie it and move on.

PAINT PEN (BLACK + SILVER)Covers scratches and scuffed edges between photos.

SPARE BATTERIESFor LEDs and soundboards. The saber always dies at the door.

MICROFIBRE CLOTHHelmet fingerprints, lens fog, dusty boots.

■ PACK IT THE NIGHT BEFORE

One bag, one pocket (or a helper's backpack). If you have to go looking for glue, it is already too late.



Mid-build with painty fingers? This is the inside back cover index — every station and its page.

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MAY THE FORCE BE WITH YOU

"In my book, experience outranks everything."

— ALWAYS —

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