

CODENAME

OPERATION PHASMA

♦ Build Manual ♦

▶ EDITION	PUBLIC RELEASE · FREE TO SHARE
▶ SUBJECT	Chrome armour + cape
▶ BUDGET	€180-400+
▶ BUILD TIME	60-120 hrs
▶ TIMELINE	8 weeks

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

FROM ZERO TO PHASMA

Captain Phasma – the First Order's chrome Stormtrooper commander. A full-body chrome armour build with a flowing black cape. Striking and difficult.

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 NOW Reality Check + Chrome Method.

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

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

BEFORE THE EVENT Game 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 + Chrome Method today. Everything else waits until its week.



PICK YOUR BAR

*Same chrome captain, three depths of shine — from a silver-sprayed first attempt to a club-approved mirror finish. The same build can be finished to three different bars — pick yours **now**, because builders who polish for the wrong one burn weeks.*

LEAN · €180-260

Casual

Reads as Phasma at 5m under low light — a silver rattle-can shell over foam armour with a thrift-store black cape. Skip true chrome, skip the under-suit detailing, and lean on the silhouette and pose to sell it.

EFFORT · ~50 hrs

MID · €280-360

Convention

Reads as Phasma at conversation distance — most builders land here with a sharp metallic-chrome spray or chrome vinyl on hard armour, a proper flowing black cape, and clean panel lines. The reflective sheen does the heavy lifting; minor seams forgiven on a busy hall floor.

EFFORT · ~85 hrs

501ST · €400+

Approved

Reads as Phasma under inspection — true mirror chrome (vac-metallized or chromed plating), every armour gap and rivet matched to reference, the cape in correct weight and drape. 501st approval demands the seamless reflective finish and an accurate helmet T-visor with no flat spots.

EFFORT · ~120 hrs



THE FALLBACK PLAN

*A first-time build of this suit is **60–120 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 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, chrome vinyl/paint, black cape fabric

Weeks 6–5 ☐ Print + finish the helmet — mirror chrome is the hardest

Weeks 4–3 ☐ Chest, pauldrons, ab plate

Week 2 ☐ Arms, legs, belt + the cape rig

Week 1 ☐ Polish everything, dress rehearsal, game day



REALITY CHECK

*The **chrome finish** is the whole challenge.*

A matte 'silver' Phasma reads as a generic trooper. Mirror chrome is hard — commit to it or pick a different build.

IS THIS YOUR BUILD?

Phasma's mirror armour was salvaged, the story goes, from a Naboo yacht once owned by Palpatine himself. Choose her if you enjoy careful finishing work — sanding, priming, and getting a flawless surface. A great Phasma is a showstopper; a rushed one looks like a grey trooper. The difference is entirely in how much patience you put into the finish.



CHROME METHOD

- ▶ **Mirror-finish spray** — specialty paint, careful application.
- ▶ **Chrome vinyl wrap** — easier, very flat surfaces only.
- ▶ **Chrome plating** — best result, expensive.

SMOOTH FIRST, ALWAYS

Chrome magnifies flaws instead of hiding them. Whatever method you choose, the real work is the sanding underneath: 120 grit up to 800+, until the surface is like glass — get that right and even cheap chrome spray looks expensive. And always practise your chrome method on a scrap piece before you touch the real part.



THE HELMET

Sharper, more angular than Stormtrooper.

Print, seam-fill, sand glass-smooth (any bump shows in chrome), then chrome finish. Tinted visor band.



THE ARMOUR

Chest, pauldrons, ab plate, legs.

Smooth finish first — chrome reveals every imperfection. Strap with black webbing.



THE CAPE

The flowing red-lined black cape.

■ HEAVY FABRIC

The cape needs weight to drape properly. Wool blend or heavy synthetic, red satin lining.



GEAR

F-11D blaster, black gloves.

First Order blaster, chromed to match the armour.

FINISHING TOUCHES

Optionally add her collapsible quicksilver baton alongside the F-11D. The gloves are black, not white like a trooper's — a small detail people get wrong. And practise standing tall and commanding: Phasma does not slouch.



GAME DAY

- ▶ Polish the chrome — fingerprints show.
- ▶ Repair kit + chrome touch-up.
- ▶ Hux would not approve.

● ● MORE GAME DAY LINES

- ▶ “FN-2187. Submit your blaster for inspection.” — *cold and clipped, like the helmet is doing the talking*
- ▶ “And who gave you permission to remove that helmet?” — *slow, icy — let the silence after it do the work*
- ▶ “You were always scum.” — *her last words to Finn in The Last Jedi — flat, zero emotion*

😄 FOR LAUGHS — KID EDITION

- ▶ Your armor is out of regulation. And by armor, I mean your backpack.
- ▶ Submit your homework for inspection. ...As I suspected. Incomplete.
- ▶ This cafeteria is now under First Order control. The chocolate milk belongs to me.

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.

- **Chrome helmet** — Mirror finish.
- **Chest + back plate** — Sand glass-smooth before chrome.
- **Pauldrons + ab plate** — One pauldron holds the cape.
- **Forearms + biceps** — Black gloves underneath.
- **Shin + knee plates** — Both legs.
- **Belt + boxes** — Cleaner than Trooper.

BUY THESE

Order all at once — shipping is the bottleneck.

- **Tall black boots** — Plain black.
- **Black gloves** — Not white.
- **Heavy black cape fabric + red lining** — Drape is everything.
- **Mirror-chrome spray OR chrome vinyl** — Hardest finish in the line.
- **Sandpaper 120–800** — Smooth before chrome.
- **F-11D blaster** — First Order rifle.

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.

Phasma helmet STL

Thingiverse / Cults3D

► [thingiverse.com](https://www.thingiverse.com/thing/3114444)

Phasma armour set

Cults3D

► [cults3d.com](https://cults3d.com/en/3d-model-print/3d-printable-phasma-armour-set)

F-11D blaster STL

Thingiverse

► [thingiverse.com](https://www.thingiverse.com/thing/3114444)

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

"My troops will storm this block and kill you all."

— ALWAYS —

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