

CODENAME

OPERATION CAL

♦ Build Manual ♦

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| ▶ EDITION | PUBLIC RELEASE · FREE TO SHARE |
| ▶ SUBJECT | Poncho + wraps + BD-1 |
| ▶ BUDGET | €70-230 |
| ▶ BUILD TIME | 10-22 hrs |
| ▶ TIMELINE | 4 weeks |

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

FROM ZERO TO CAL

Padawan survivor turned Jedi Knight, two eras: the Fallen Order poncho or the Survivor jacket. A layered cloth build with arm wraps, a scarf, BD-1 on your back and a dual-phase blue saber. The most beginner-friendly Jedi on the roster – almost no printing required.

May the Force be with all who walk this path.



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READING ORDER · IF YOU READ NOTHING ELSE

Start here: **Mission Brief** — it tells you what you are signing up for.

Before the event: **Saber Craft** — 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 Mission Brief + Pick Your Era.

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 Mission Brief + Pick Your Era today. Everything else waits until its week.



PICK YOUR BAR

*Same survivor, three rungs up — from a thrifted poncho to a club-stamped Jedi Knight with BD-1 riding shotgun. The same build can be finished to three different bars — pick yours **now**, because builders who polish for the wrong one burn weeks.*

LEAN · €70-110

Scraper

Reads as Cal Kestis at 5m on a thrifted cream henley, an olive poncho-shape and a strip of jersey for arm wraps — skip BD-1 and the dual-phase trick, lean on the layered silhouette and ginger hair to sell it. A trick-or-treat Cal for almost nothing.

EFFORT · ~10 hrs

MID · €120-180

Convention

Reads as Cal Kestis at conversation distance with properly stacked weathered layers, full wound forearm wraps, a real belt with a saber clip, worn boots and a plush or printed BD-1 on your back. Most builders land here and add a separable dual-phase hilt.

EFFORT · ~16 hrs

REBEL LEGION · €230+

Approved

Reads as Cal under inspection — correct fabric weights and dyed earthy tones, hand-distressed weathering, accurate multi-layer construction, a screen-matched 3D-printed BD-1 on a hidden harness and a working dual-phase saber. Screen-accuracy and Rebel Legion (Jedi) approval demand the layering, the droid and the right hilt.

EFFORT · ~22 hrs



THE FALLBACK PLAN

*A first-time build of this suit is **10–22 hrs** of hands-on work across **4 weeks**. Life happens — so decide right now what gets cut when the clock wins. Finished beats perfect.*

BEHIND LATE Simplify next: Neck Scarf / Cowl, Fingerless / Partial Gloves, Trousers / Cargo Pants — 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.

Week 4 ☐ Pick your era (poncho or jacket). Order the poncho/jacket, henley, saber and BD-1 parts

Week 3 ☐ Assemble the layers; first full fit. Cut and practice winding the arm wraps

Week 2 ☐ Distress the poncho/jacket and boots. Build/mount BD-1 on its harness; clip the saber to the belt

Week 1 ☐ Style the ginger hair, check against Rebel Legion refs, dress rehearsal — then game day



MISSION BRIEF

*This builds **Cal Kestis** — the Padawan who survived Order 66 and clawed his way back to Jedi Knight across Jedi: Fallen Order and Jedi: Survivor.*

Cal is the friendliest Jedi on the whole roster to build. There's no armour to print, no helmet to vacuum-form — it's a **cloth and layers** build: a henley, a poncho or jacket, arm wraps, a scarf, worn boots, and one little droid riding on your back. If you've never made a costume before, start here.

■ WHY CAL IS A GREAT FIRST BUILD

Almost everything can be thrifted or bought. The only optional print is BD-1 and the saber hilt — and both have plush/buy stand-ins. You can land a convincing Cal for the price of a few charity-shop layers and a saber.



PICK YOUR ERA

One character, two unmistakable silhouettes. Choose before you buy a single thing.

- ▶ **Fallen Order (the poncho)** — younger Cal, scruffier, the short asymmetric poncho/half-cape over one shoulder. The most recognisable Cal look.
- ▶ **Survivor (the jacket)** — older Cal, a weathered leather-look jacket or vest, often a short ginger beard, a slightly rougher and more worn feel.

The **layers underneath are nearly identical** — henley, wraps, belt, boots. Only the outer piece and the facial hair really change. That means you can build the base once and swap the top layer to switch eras later.

■ FIRST-TIMER PICK

The Fallen Order poncho is the easier sew and the more iconic shape. If you're not sure, build that one.



THE LAYERS

Cal isn't one outfit — he's three or four earthy layers stacked so they all peek through. Get the layering right and you're 80% there.

Build from the skin out

- ▶ **Base:** a waffle-knit henley, cream or olive, sleeves pushed up.
- ▶ **Mid:** a rough tunic or overshirt one shade off the base.
- ▶ **Outer:** the poncho (Fallen Order) or jacket/vest (Survivor).
- ▶ **Accent:** a loose neck scarf in rust, grey or olive.

THE #1 TELL

Brand-new fabric. Cal has been crawling through wrecks and jungles — your fabric should look like it too. Sand the edges, rub in a little brown chalk pastel, fray a hem or two. Five minutes of weathering beats five hours of sewing.



ARM WRAPS & HANDS

The wound forearm wraps are pure Cal — a tiny detail people clock instantly.

Cut long strips from an old cream or tan bedsheet, push your henley sleeves up, and wind firmly from wrist toward elbow, overlapping each pass. **Pin or tuck the ends** so they survive a full day of waving a saber around.

- ▶ Wind **both** forearms — asymmetry here looks like a mistake, not a design.
- ▶ Add scuffed brown fingerless gloves if your reference has them.
- ▶ Fray the strip ends slightly — clean hems look like bandages, frayed looks battle-worn.

TEST IT EARLY

Practice winding before game day. Wraps that unravel an hour in are the most common Cal failure — a stitch or two to close the loop is worth it.



BD-1 — THE DETAIL THAT SELLS IT

*A generic Jedi in a poncho is just a Jedi. Put **BD-1 on your back** and you are unmistakably Cal Kestis.*

BD-1 is Cal's little exploration droid and his constant companion. Mounting it is what earns the double-takes and the photo requests.

Three ways to do it

- ▶ **Print it** — a 3D-printed BD-1 body on a hidden harness or backpack frame is the screen-accurate route (~6 hrs of print + assembly).
- ▶ **Plush / toy** — an official BD-1 plush zip-tied to a harness reads perfectly at conversation distance and costs almost nothing in effort.
- ▶ **Skip the back, carry it** — hold BD-1 like he's mid-scan for photos.

HARNESS TIP

Hide the straps under the poncho or scarf so BD-1 looks like he's gripping you, not strapped on. Angle him to peek over one shoulder — that's the iconic pose.



THE DUAL-PHASE SABER

Cal's lightsaber splits. That's the trick worth showing off.

His hilt is **dual-phase** — it runs as one long blade or separates into two short emitters for the spinning double-blade style. A separable hilt, even a static prop that just visibly comes apart, gets you in every photo.

- ▶ **Buy** a Cal/dual-phase hilt, or **print** one from the STL files.
- ▶ Blue is the iconic blade — he can swap colours in-game, but blue is the signature.
- ▶ Add a lit blade for hero shots; clip the hilt to your belt the rest of the day.

HANDS-FREE

A belt clip or D-ring lets the saber hang at your hip, freeing your hands for BD-1 and for navigating a crowded con floor. It also nails the 'Jedi at rest' silhouette.



GAME DAY

Layers on, droid up, saber clipped — go survive the con.

The Final pass

- ▶ Style the ginger hair matte (and the beard for Survivor) — no shiny gel.
- ▶ Check your layers against **Rebel Legion** Jedi reference photos — they're the good-guy costuming club and their standards are your accuracy checklist.
- ▶ Pack a stain pen and safety pins — wraps loosen, fabric snags.
- ▶ Walk around the house first: BD-1's harness should be comfortable for hours, not minutes.

STAY IN CHARACTER

Cal is earnest, a little awkward, genuinely kind. When someone asks who you are, just grin and say it: "I'm a Jedi Knight." BD-1 does the rest.

● ● MORE GAME DAY LINES

- ▶ "Trust only in the Force." — *Jaro Tapal's dying words — Cal's mantra, and the last line of Fallen Order*
- ▶ "I don't plan to." — *his mic-drop reply when the Second Sister says he can't hide forever*

😄 FOR LAUGHS — KID EDITION

- ▶ Trust only in the Force. And BD-1. And maybe pizza.
- ▶ I can wall-run. The couch totally counts as a wall, right?
- ▶ Don't worry, BD-1 has a stim for that. Even scraped knees.

SABER CRAFT

The blade is half the costume — fight like the character. **Self-taught / interrupted Padawan**, wielded single, splits to dual JarKai.

STYLE · SELF-TAUGHT / INTERRUPTED PADAWAN

An adaptive survivor's style — a Padawan foundation rebuilt on the run, switching between one long blade and two short ones as the fight demands. Canon never assigns him a form, but the mix reads closest to Form VI Niman: a balanced jack-of-all-trades rather than one perfected discipline. Cal's training was cut off at Order 66, so his style is patchwork by necessity — and versatile because of it.

BLADE	● Blue — dual-phase split hilt — one long blade joined
BLADE	● Blue — second short emitter when the hilt splits
WIELD	single, splits to dual JarKai

MORE THAN ONE BLADE — THE CRAFT

- ▶ Split mode: one short blade leads and probes while the other guards your open side — never both attacking at once.
- ▶ Short blades mean short reach — cover the difference with footwork, not bigger swings.
- ▶ Rejoin the hilt before moving through crowds or doorways; two loose blades need double the spacing.

Drill it

Drill the switch: five slow cuts as one long blade, split the hilt, five paired cuts with the short blades, then rejoin. Smooth transitions are the whole style.

⚠ DUEL SAFELY

Duel-grade polycarbonate blades only, never thin display tubes. Agree intensity before you start, no strikes to head or hands, and staff or dual spins need a full 3m of clear space.

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.

- **BD-1 droid body** — Rides on your back — the signature.
- **Dual-phase saber hilt** — Optional if buying a hilt instead.
- **Saber belt clip / D-ring** — Hangs the hilt at the hip.

BUY THESE

Order all at once — shipping is the bottleneck.

- **Waffle-knit henley** — Cream / oatmeal / olive base layer.
- **Poncho or weathered jacket** — Names your era — distress it.
- **Arm wraps + scarf** — Cloth strips, wound firmly, frayed edges.
- **Belt + pouches** — Brown, with a saber clip.
- **Trousers + worn brown boots** — Earthy, scuffed, comfortable.
- **Dual-phase blue saber** — Separable hilt is the showstopper.
- **Ginger wig (optional)** — If your hair isn't the right colour.
- **BD-1 plush (optional)** — Stand-in if you don't print one.

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.

BD-1 droid 3D model

Cults3D

► cults3d.com

Cal Kestis dual-phase saber STL

Thingiverse

► thingiverse.com

Cal Kestis costume + poncho reference

Etsy / eBay

► etsy.com

Rebel Legion Jedi standards

Rebel Legion

► rebellegion.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

"I'm a Jedi Knight."

— ALWAYS —

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