

CODENAME

OPERATION BOBA

♦ Build Manual ♦

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| ▶ EDITION | PUBLIC RELEASE · FREE TO SHARE |
| ▶ SUBJECT | Armour + jetpack |
| ▶ BUDGET | €120-350 |
| ▶ BUILD TIME | 50-100 hrs |
| ▶ TIMELINE | 8 weeks |

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

FROM ZERO TO BOBA

The original bounty hunter, two looks: Empire & Jedi. Weathered green armour, a jetpack, and the famous dented helmet.

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 + Empire or Jedi?.

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 + Empire or Jedi? today. Everything else waits until its week.



PICK YOUR BAR

*Same hunter, three finishes — from a flat-green first pass to a battle-scarred, jetpack-armed legend. The same build can be finished to three different bars — pick yours **now**, because builders who polish for the wrong one burn weeks.*

LEAN · €120-200

Casual

Reads as Boba Fett at 5m on a crowded floor: green helmet, chest plate, and a jumpsuit get you the silhouette. Skip the jetpack, run a printed-paper or foam chest display, and fake the weathering with a quick grey-and-rust drybrush.

EFFORT · ~40 hrs

MID · €200-320

Convention

Reads as Boba Fett at conversation distance, and this is where most builders land: proper EVA-foam or fibreglass shoulder bells, ammo belt, knees, and the flak vest plus cape. Add a lightweight foam jetpack and layered hand-weathering so the green looks lived-in, not painted-on.

EFFORT · ~70 hrs

MANDO MERCS · €350+

Approved

Reads as Boba Fett under inspection by a judge who knows the reference: cast helmet with the exact T-visor dent and Empire-vs-Jedi colour callouts, screen-matched chest display lights, a functional-looking jetpack with correct decals, and battle damage mapped to the actual film paint chips. Every scuff has to earn its place.

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 LATESimplify next: Reference & Fit, Boots, EE-3 Blaster — buy instead of make, or borrow.

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

ALWAYSThe 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, vest, cape

Weeks 6–5 ☐ Print + finish the helmet

Weeks 4–3 ☐ Chest, shoulders, gauntlets

Week 2 ☐ Jetpack + belt + legs

Week 1 ☐ Weather everything, dress rehearsal, game day

REALITY CHECK

*An armour build where the magic is the **weathering**.*

~1.5–3 kg of filament. A clean Boba looks fake — chips and grime are the point.

Which Club?

Boba is a bounty hunter — he fits the **Mandalorian Mercs** costuming club, and the 501st Legion accepts him too. Either way, weathering accuracy is what gets a Boba approved.

Boba is an armour build like Mando and the Trooper — plates over a flight suit, plus a famous helmet. Very doable, but it's not a weekend cloth build.

Pieces	Helmet + chest/back/shoulder plates + gauntlets + knees + a jetpack
Finishing	Every piece is painted green, THEN weathered heavily (chips, scratches, grime)
Cost	Roughly €120–350 all-in, depending on free vs paid files and the flight suit

The Smart Path

Print the helmet first — the dented green helmet IS Boba Fett. It's your skills test and the showpiece. If you only finish the helmet, you've still got an instantly recognisable costume.

Which Club?

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EMPIRE OR JEDI?

- ▶ **ESB** — green gauntlets, brown cape, yellow kill stripes.
- ▶ **ROTJ** — red gauntlets, green cape, red stripes.

Same armour; the colours differ.

More Era Tells

The flight suit changes too — grey for Empire, light blue-grey for Return of the Jedi — and the jetpack colour scheme differs slightly between the films. The easiest switch later is the gauntlet colour (green → red) and the cape (brown → green).

Two versions, same armour — pick before you paint. The differences are mostly colour, and fans absolutely notice them. The flight suit changes too: grey for Empire, light blue-grey for Jedi — and ROTJ weathering runs dirtier.

The Kill Stripes

The little painted stripes on the helmet are Boba's "kill stripes." Yellow for Empire, red for Jedi. A tiny detail, but it's one of the first things a fan checks.

Upgrade path: build the armour once. The easiest switch later is the gauntlet colour (green → red) and the cape (brown → green) — same helmet, armour and jetpack the whole way.



ANATOMY OF BOBA

Boba is armour plates + a flight suit + a lot of gear. Here's the full parts map, zone by zone.

Head	Dented helmet + rangefinder stalk, T-visor
Torso	Chest plate (with the coloured display panels), back plate, collar
Shoulders	Two shoulder bells (bantha-skull symbol on one)
Arms	Two gauntlets (green ESB / red ROTJ) + gloves
Waist	Ammo belt, girth belt, hip pouches, holster
Lower	Codpiece, kidney armour, two knee plates (with darts)
Soft	Flight suit, neck seal, flak vest, cape, boots
Gear	Jetpack, EE-3 blaster rifle, sidearm

The Key Gear

- ▶ Cape over the left shoulder (brown ESB / green ROTJ), often torn and weathered.
- ▶ Gauntlets with a mini flamethrower + dart look.
- ▶ Braids (Wookiee scalps) hanging from the left shoulder — a famous odd detail.

The Jetpack Is Iconic

Boba's jetpack is a signature piece — the tall rocket pack with the central booster. Print it as its own zone; it reads "Boba" almost as much as the helmet. The gear is half his character — it turns "green armour guy" into Boba Fett.



PROCUREMENT ROSTER

Three ways to gear up: (A) buy a finished kit, (B) 3D-print the armour, (C) mix — print the plates, buy the flight suit + cape. Paste Chinese search terms into Taobao, or use English on AliExpress / eBay.

Full Boba set	Finished, roughly ¥800–3000
Helmet	Pre-made, ¥200–700
Flight suit	Grey (ESB) / blue-grey (ROTJ) · neck seal · flak vest
Cape	Brown (ESB) / green (ROTJ)
Filament	Green or grey PLA (or any colour, then paint)

Print vs Buy

A bought kit is faster but pricey and may not fit a kid. Printing is cheaper and scalable — the time investment this manual is about. Many builders print the helmet + jetpack and buy the soft flight suit + cape.

Files & Sizing

- ▶ Full armour set — cults3d.com (search: Boba Fett armor)
- ▶ Jetpack — thingiverse.com (search: Boba Fett jetpack)
- ▶ EE-3 blaster — thingiverse.com (search: Boba Fett EE-3 blaster)
- ▶ Gauntlets — in most sets, or search "Boba Fett gauntlet STL"
- ▶ Full bought set — AliExpress / eBay (search: Boba Fett costume armor)

Most Boba files fit an adult. If you're smaller, scale the whole set by the same percent (try 85–90%) so the plates line up — and test-print one small plate first. Practise on a free file, then buy a screen-accurate set once you know you'll finish. The Mando Mercs and 501st have Boba standards if you want to join.



THE HELMET

Green, dented, with the rangefinder.

Sand a gentle dent, mask the kill stripes, weather around the damage.

Files: search "Boba Fett helmet" on Cults3D / Thingiverse / Printables — free + paid wearable versions. Print in pieces (dome, face, back), glue, fill the seams, then finish. Settings: 0.2 mm layers, 3 walls, 10–15% infill, brim on the dome.

- ▶ The rangefinder — the stalk on the right side that flips up and down — is the signature piece; many builders make it pivot.
- ▶ Tinted acrylic or dark mesh goes behind the T-visor so you can see out.

The famous dent: many files include it — if yours doesn't, press it in gently after printing while the plastic is warm, or sculpt it with filler. Mask the kill stripes with tape for crisp lines.



THE ARMOUR & JETPACK

Chest, shoulders, gauntlets, knees, and the jetpack.

The jetpack is iconic — print it as its own zone.



FINISHING — GREEN & WORN

Green base, silver chips, grime wash.

■ SPRAY SAFETY

Outside, mask on, adult present if under 18.

Shopping list: sandpaper (180/320/600) · grey filler primer · green spray (armour base) · silver acrylic (chips) · red / yellow acrylic (panels, stripes) · black + brown acrylic (grime wash) · satin clear coat · respirator mask, tape, super glue, putty.

The step-by-step: 1 · SAND 180 → 320 → 600. 2 · FILL seams, sand flat. 3 · PRIME grey, wet-sand. 4 · GREEN, 2–3 thin coats. 5 · PANELS & STRIPES — mask + paint the chest displays and kill stripes (yellow/red). 6 · WEATHER — chip silver onto the edges, then a black/brown grime wash all over (heavier for ROTJ). 7 · CLEAR COAT satin to seal.

Spray outside or in an open garage only — never indoors, and mask up for sanding dust too.



GEAR

Cape, braids, belt, EE-3 blaster.

The cape colour and the gauntlets set the era.

The Famous Odd Details

- ▶ Cape over the **left** shoulder, often torn and weathered.
- ▶ Braids (Wookiee scalps) hanging from the left shoulder — a famous odd detail fans love to spot.



BUILD SEQUENCE

The order that works — one zone at a time, helmet first.

- ▶ 1 · Buy the flight suit, cape, gloves, boots, filament. Order early.
- ▶ 2 · Print & finish the helmet first (dent, stripes, rangefinder, visor). Skills test.
- ▶ 3 · Print the torso (chest, back, collar) + shoulder bells. Paint + panels.
- ▶ 4 · Print the gauntlets (green or red) + knees. Finish.
- ▶ 5 · Print the jetpack + belt bits. Finish.
- ▶ 6 · Weather EVERYTHING — chips + grime. Strap to the flight suit, add cape + braids.
- ▶ 7 · Set the look: ESB (green gauntlets, brown cape, yellow stripes) or ROTJ (red, green, red).

Don't Burn Out

This is a marathon, like Mando. One zone a week is great — the jetpack or the helmet alone is a satisfying win if you need a break from the full suit.

The 90-Minute Rule

Full armour + jetpack + helmet is heavy and hot, and the visor limits your view. Do a 90-minute test wear at home — find the problems before the con. On the day: take helmet breaks, drink water, and have a buddy guide you in crowds and on stairs. Never drive in the helmet.



GAME DAY

- ▶ Visor clear, jetpack secure.
- ▶ Repair kit + green/silver touch-up.
- ▶ No disintegrations.

● ● MORE GAME DAY LINES

- ▶ “As you wish.” — *two words, zero emotion, slight nod*
- ▶ “What if he doesn't survive? He's worth a lot to me.” — *gravelly, arms crossed*
- ▶ “I'm a simple man making his way through the galaxy. Like my father before me.” — *slow — let the callback land*

😊 FOR LAUGHS — KID EDITION

- ▶ As you wish. But I'm not sharing my fries.
- ▶ This armor survived a Sarlacc pit. It can survive recess.
- ▶ Jabba ruled with fear. I rule the playground with juice boxes.

Half the magic of a costume is what you say when someone walks up. Golden rule — read the room: villains are the best part of a photo, but a looming hunter can scare a 4-year-old. If a little one looks unsure, drop the scary instantly and go kind:

- ▶ "A bounty hunter never misses — a high-five! Got it!"
- ▶ "Want to see the jetpack? Whoosh — straight up!"
- ▶ "Even Boba Fett says: you're a tough little hunter."

Universal tips: kneel to their eye level, never break character to correct them, ask their name and make them the hero — and keep any prop weapon lowered and pointed away.

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.

- **Dented helmet** — + rangefinder, kill stripes.
- **Chest display plate** — Coloured panels.
- **Shoulder bells (x2)** — Bantha-skull symbol.
- **Gauntlets (x2)** — Green ESB / red ROTJ.
- **Jetpack** — Its own build — iconic.
- **Shins + knees** — Both legs.

BUY THESE

Order all at once — shipping is the bottleneck.

- **Flak vest** — Plates mount on it.
- **Cape** — Brown ESB / green ROTJ.
- **Ammo belt + pouches** — Leather + holster.
- **Boots + gloves** — Grey/tan.
- **Green paint + silver + clear coat** — Plus weathering.
- **EE-3 blaster** — Boba's carbine.

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.

Boba Fett helmet STL

Cults3D / Thingiverse

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

Boba armour set STL

Cults3D

[► cults3d.com](https://cults3d.com/en/3d-model-print/boba-fett-armour)

Boba jetpack STL

Thingiverse

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

Mando Mercs club

mandalorianmercs.org

[► mandalorianmercs.org](https://mandalorianmercs.org)



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

"He's no good to me dead."

— ALWAYS —

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