

GLASS HULL

PROOF POSIT · JFD-20260926-PP-00002 · Robinhood Chain failed transactions

2026-04-30 → 2026-09-14T03:00:01Z

Robinhood Chain failed transactions

Nearly One in Five User Transactions Fails on Robinhood Chain, and Still Pays

17f940f50bfefd3fc756fc4ef6de19aaf27ad49638928b0690fe6a32813adcd0

PENDING · PENDING

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17f940f50bfe · 1/1 · PENDING · <https://gh.jetfyul.com/v/JFD-20260926-PP-00002>

Glass Hull · PP-Template 01-926 · Smoking Gun → 1911
Matchstick Made © 2026 · Jet Fyul Dynamics LLC

NOTE ON THIS DOCUMENT

The pages above reproduce the sealed document. The sealed record is a file.

What the Notary authorised, what both hardware witnesses signed and what the ledger event records is the file JFD-20260926-PP-00002 . pdf - 4282299 bytes, SHA-256 4005f0a42b1de3374e4564784c688200fb1265475ea4e2220a40a68a89b9152d.

The sealed document JFD-20260926-PP-00002 . pdf (4282299 bytes, SHA-256 4005f0a42b1de3374e4564784c688200fb1265475ea4e2220a40a68a89b9152d) is embedded in this PDF as a file attachment.

The anchor proof as stamped at sealing JFD-20260926-PP-00002 . pdf . ots (856 bytes, SHA-256 dfc9b0c190486a99e58f7518c1c78c2a1820b1e658af2396c4d2f2a109a8a121) is embedded in this PDF as a file attachment.

Its exact source, whose fingerprint the document prints, PP-006-v2-ASSEMBLED . md (8567 bytes, SHA-256 17f940f50bfefd3fc756fc4ef6de19aaf27ad49638928b0690fe6a32813adcd0) is embedded in this PDF as a file attachment.

The seal record from which the certificate is built
seal-record-JFD-20260926-PP-00002 . json (6751 bytes, SHA-256 fb5432e42a8d4420bb618026675a9eda477c3a002397a741e3c8aea76b1e397f) is embedded in this PDF as a file attachment.

The complete anchor proof, carrying the Bitcoin attestation,
JFD-20260926-PP-00002 . pdf . anchored . ots (5039 bytes, SHA-256 deb50970eccb4bb730aa64ff27438fb136b62868cb1f68f8e96c55e16ccd2504) is embedded in this PDF as a file attachment.

The anchor confirmation from which the certificate's Bitcoin block is taken
anchor-confirmation-JFD-20260926-PP-00002 . json (2935 bytes, SHA-256 ac88e97f5acd159d6c0fce01adce1a5c0257aa653f2ca371b08d09cf09b8f1a4) is embedded in this PDF as a file attachment.

Open the attachments pane of your PDF reader to extract them, and hash each file as stored.

What follows, in order

The seal page, carrying the seal record's values: fingerprint, ledger event, both witnesses and the anchor. After it, the Certificate of Authenticity on the Smoking Gun plate, built from the same seal record and signed; then the page "How to verify this without the Issuer, in six steps", which carries the record, both witnesses and the anchor in full, and the steps that verify all of it without the Issuer.

K. L. Phillips

K. L. Phillips, a man

Principal, Jet Fyul Dynamics LLC · The author stands behind every word.



BLOCK 2 — ISSUER

ISSUER Jet Fyul Dynamics LLC · Wyoming
RAIL Matchstick Tribunal
CUSTODY both witness keys held by the issuer, in silicon, on separate hosts; never exported

BLOCK 4 — WHO SIGNED IT

Two independent hardware witnesses. Conforming tests of a defined procedure — not a primary and a backup.

	WITNESS 1	WITNESS 2
chip identity	a9-atecc608b-slot0	a10-atecc608b-slot0
serial	0123ADA0711D8597EE	0123DC797ACC1195EE
curve	ECDSA-P256 (secp256r1)	ECDSA-P256 (secp256r1)
public key	d62d03f8dc3813fb5b74f2b64339d185...	853e69fc700990303abfe61358bfa456...
signature over artifact hash	→ ledger event 3171918	→ ledger event 3171918
signed (UTC)	→ event 3171918	→ event 3171918
federation peer	a10-atecc608b-slot0	a9-atecc608b-slot0
host · custody	A9 · Jet Fyul Dynamics LLC	A10 · Jet Fyul Dynamics LLC
certifies in accordance with	Fed. R. Evid. 902(13), 902(14)	Fed. R. Evid. 902(13), 902(14)
verified offline	→ event 3171918	→ event 3171918

Each signature verifies on its own, against its own public key, without the other and without anything of ours.
One signature is not a seal: if either witness is unreachable, no seal is produced. Both chips are the same make and model, provisioned and owned by the issuer — independent in custody and location, not in supply chain or ownership.
Full public keys, signatures, and the Rule 902(11) certification of a qualified person: ledger event → event 3171918 · <https://gh.jetfyul.com/v/JFD-20260926-PP-00002>

Blocks 1-3 are inside these bytes; Block 4 live cells, Block 5 (Ed25519 a1-ledger) and Block 6 (Bitcoin anchor) live on the ledger and at <https://gh.jetfyul.com/v/JFD-20260926-PP-00002>

GLASS HULL

CERTIFICATE OF AUTHENTICITY · JFD-20260926-PP-00002

JFD-20260926-PP-00002.pdf · 4282299 bytes · sealed 2026-09-26T17:09:16Z

Robinhood Chain failed transactions

Certificate JFD-20260928-CERT-00009

4005f0a42b1de3374e4564784c688200fb1265475ea4e2220a40a68a89b9152d

Ledger event 3171918 (kind-15)

A9 0123ADA0711D8597EE · A10 0123DC797ACC1195EE

Bitcoin block 968723 · 2026-09-26T17:42:26Z

4005f0a42b1de337 · ANCHORED · <https://gh.jetfyul.com/v/JFD-20260926-PP-00002>

K. L. Phillips
Chief Executive Officer

Glass Hull · PP-Template 01-926 · Smoking Gun — 1911
Matchstick Made © 2026 · Jet Fyul Dynamics LLC

How to verify this without the Issuer, in six steps

Robinhood Chain failed transactions - JFD-20260926-PP-00002

The record

Document control number: JFD-20260926-PP-00002

Fingerprint (SHA-256 of the sealed file, raw bytes as stored):

4005f0a42b1de3374e4564784c688200fb1265475ea4e2220a40a68a89b9152d

Sealed file: JFD-20260926-PP-00002.pdf, 4282299 bytes

Source fingerprint printed inside the document:

17f940f50bfefd3fc756fc4ef6de19aaf27ad49638928b0690fe6a32813adcd0

Ledger event (kind-15): 3171918, event hash

56a3050369ccfd9ea479c3d3cd23541e3a82549256d52db684dda51b1fa9a7b2

Notary authorisation (kind-3): 3171915

Seal request signed by both witnesses: SHA-256

c3896476114d0eeafb1fa3bfaaf9eeae7d5ed476218f6ab800da7f797e477b27

Anchor: OpenTimestamps, **ATTESTED** in Bitcoin block 968723 - block hash

[illegible]

2026-09-26T17:42:26Z

Calendars that attested: <https://btc.calendar.catallaxy.com> (block 968739);

<https://alice.btc.calendar.opentimestamps.org> (block 968723); <https://finney.calendar.eternitywall.com> (block 968752); <https://bob.btc.calendar.opentimestamps.org> (block 968723). The earliest attested block is the anchor.

Anchor check: the committed value equals block 968723's merkle root

6f03235c0d5f0369411bd9b7335ba2434154f00c3a2750986b24b48cc4952295, and mempool.space and blockstream.info agree on that merkle root and on the block hash (checked 2026-09-27T22:13:40Z).

Proofs: the proof as stamped at sealing, JFD-20260926-PP-00002.pdf.ots and the complete proof JFD-20260926-PP-00002.pdf.anchored.ots, which carries the Bitcoin attestation itself.

Verification address: <https://gh.jetfyul.com/v/JFD-20260926-PP-00002>

The two hardware witnesses

Witness 1 - host A9, a9-atecc608b-slot0, serial 0123ADA0711D8597EE, curve ECDSA-P256 (secp256r1), signed 2026-09-26T17:09:13.696216+00:00

Public key: d62d03f8dc3813fb5b74f2b64339d185742aabcae1bdcfd2f7a7ad59f1dd3c5d50e57effa4a3c888f58c3eca9d274bd7f0b8d263fa38bbf0bc6fbff6035c2411

Signature: e63298c99eee6977a8b07fbeb6798d769f544789bf5a737dcda942fe50b9a91d33a0ca52206f374c7e2e696fb406ee2e9485c3ccf8d6aef8b875a9c2e71bd078d

Witness 2 - host A10, a10-atecc608b-slot0, serial 0123DC797ACC1195EE, curve ECDSA-P256 (secp256r1), signed 2026-09-26T17:09:15.900038+00:00

Public key: 853e69fc700990303abfe61358bfa456160eaae1529dbc74805d1639cfc88e78497bbe060e7ae5d54466b2ce0a2753e14204a21eed4a132a61ace3294f9baba1

Signature: bd524cda5b262d296b2dfdcad18d9455c4210ab036994235647cadea0a9410f45d5376f443cae7fb62f27ac36b250d89d65d8e969dab087856ede94192b770787

The six steps

(1) Extract JFD-20260926-PP-000002. pdf from this PDF's attachments and hash it as stored, with no normalisation. Its SHA-256 must equal the fingerprint above.

(2) Read ledger event 3171918 by its id. Its payload must carry that fingerprint as doc_sha256 and JFD-20260926-PP-00002 as dcn.

(3) Verify witness 1's signature as ECDSA over P-256, with the public key above, over the seal request bytes whose SHA-256 is c3896476114d0eeafb1fa3bf9e9eae7d5ed476218f6ab800da7f797e477b27.

(4) Verify witness 2's signature the same way. Each signature must verify under its own key and fail under the other's.

(5) Read the OpenTimestamps proof against the same fingerprint. It must carry a Bitcoin block-header attestation at block 968723; ask any block explorer for that block and compare its merkle root with the value the proof commits to.

(6) Open <https://gh.jetfuyul.com/v/JFD-20260926-PP-00002> and confirm it shows the same fingerprint, ledger event, witnesses and anchor.

This certificate supersedes an earlier one

This certificate supersedes certificate **JFD-20260927-CERT-00004** (ledger event 3199054, SHA-256 fab6988a9773f518212cc2433c6188da9e500d48b75851a6e51a4c07f91feac5). That certificate was issued before the certificate design of record was applied. Nothing about the certified document changed: the same file, the same fingerprint, the same sealing event and the same two witness signatures. The earlier certificate remains a valid seal of its own bytes; it is no longer the certificate of record.

This certificate goes to what the record is and that it has not been altered. It is not a sworn declaration and does not assert the truth of anything the document says.