

Why Is This Aircraft Still Down, and What Do We Try Next?

When published troubleshooting fails to resolve the fault, the Aviation Maintenance Pack assembles aircraft history, similar failures, tech data, parts, and donor options into a ranked recovery plan your team reviews and approves.



An AI recovery workspace for maintenance leads: understand why the aircraft is down, decide the best recovery action, and carry it through execution while protecting fleet readiness.

+25%

Technician capacity

90 sec

To a finished work order, down from hours

CUSTOMER-VALIDATED RESULTS



Know what to try next

Standard troubleshooting failed and the aircraft is still down. Legion assembles maintenance history, sister-aircraft failures, tech data, and engineering precedent into a recommended next action with the evidence attached.



The part is not on the shelf

A compatible donor is easy to find. Whether to pull it is the hard call. Legion weighs donor status, component life, lead time, and upcoming inspections so the exchange that helps one aircraft does not ground another.



Your people keep the decision

Nothing becomes maintenance direction until a supervisor or engineer approves it. Every recommendation shows its sources, its confidence, and what remains unknown.

WITH LEGION INTELLIGENCE

Nothing is issued to the aircraft without supervisor or engineering approval

01

Discrepancy stays open

Published troubleshooting fails and the aircraft stays down.

02

Context assembled

History, sister-aircraft failures, tech data, engineering precedent, parts state.

03

Next action ranked

Likely causes and recovery options, each with evidence and confidence.

04

Fleet check

If a part is short: donor candidates, component life, lead time, downstream cost.

05

Approval

Supervisor or engineering reviews. Nothing becomes direction until approved.

06

Execute and return

Work begins. The outcome is recorded so the next event starts smarter.

IN THE PACK

Fix Prioritizer

Ranks aircraft and actions by readiness impact.

Aircraft Recovery

Weights controlled exchange, parts, and donor consequences fleet-wide.

Fleet Health

What is down, why, what blocks it, and what changed since last shift.

Order Point Optimizer

Flags reorder settings that no longer match usage. You approve each change.

Chat with Manual

Source-grounded answers from the applicable manual, tablet-ready on the line.

CAR Generator

Drafts a structured corrective action report for human review and completion.

Six apps, one recovery workspace

WHAT THE PACK OWNS

TROUBLESHOOTING GIVES
NO ANSWER

LEGION: A RANKED RECOVERY PLAN,
REVIEWED AND APPROVED

WORK BEGINS

Works alongside your maintenance, supply, and technical-publication systems. They remain the system of record. Your data stays in your environment, and models never train on it.



Start With Your Longest-Down Aircraft

We'll run one real unresolved discrepancy through the Pack and show the ranked recovery plan, sources attached.

LEGIONINTEL.COM



Same platform that was proven by
20,000+ users across U.S. Special
Operations Command.

