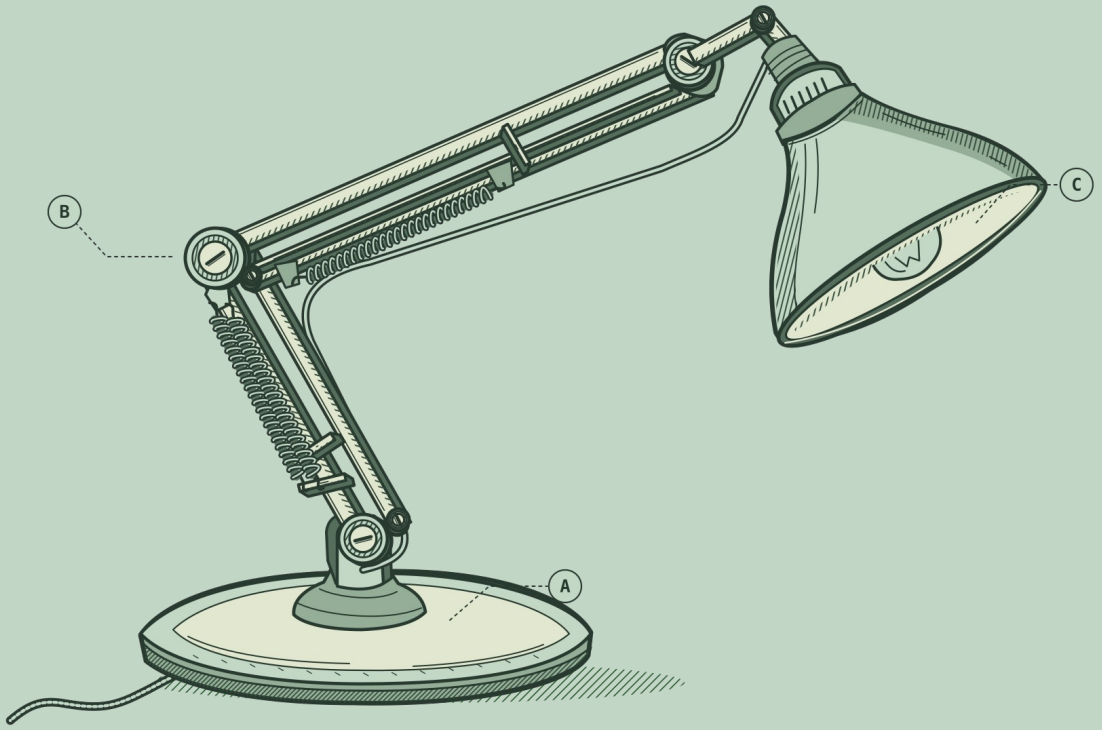
INTELLICORE SYSTEMS

The Contact *Handbook*

A repair trainee’s field guide to reading simulated contact faults.



DL–01 / FOLDING DESK LAMP

Independent educational software proposal

The note on the bench

OUTGOING TRAINEE

“Lamp flickers.”

A symptom copied into the shift notebook.

A second trainee opens the notebook. Which part of the folding lamp lost contact? What position made it happen?

The exercise gives the reader a diagram and three positions to compare. Their job is to leave a finding another person can check.

The contact path

The bench reads one section of the model at a time, starting at its base.



Source pair

The base contacts connect the removable tray to the circuit.

Pivot lead

A flexible conductor follows the joint between the two arms.

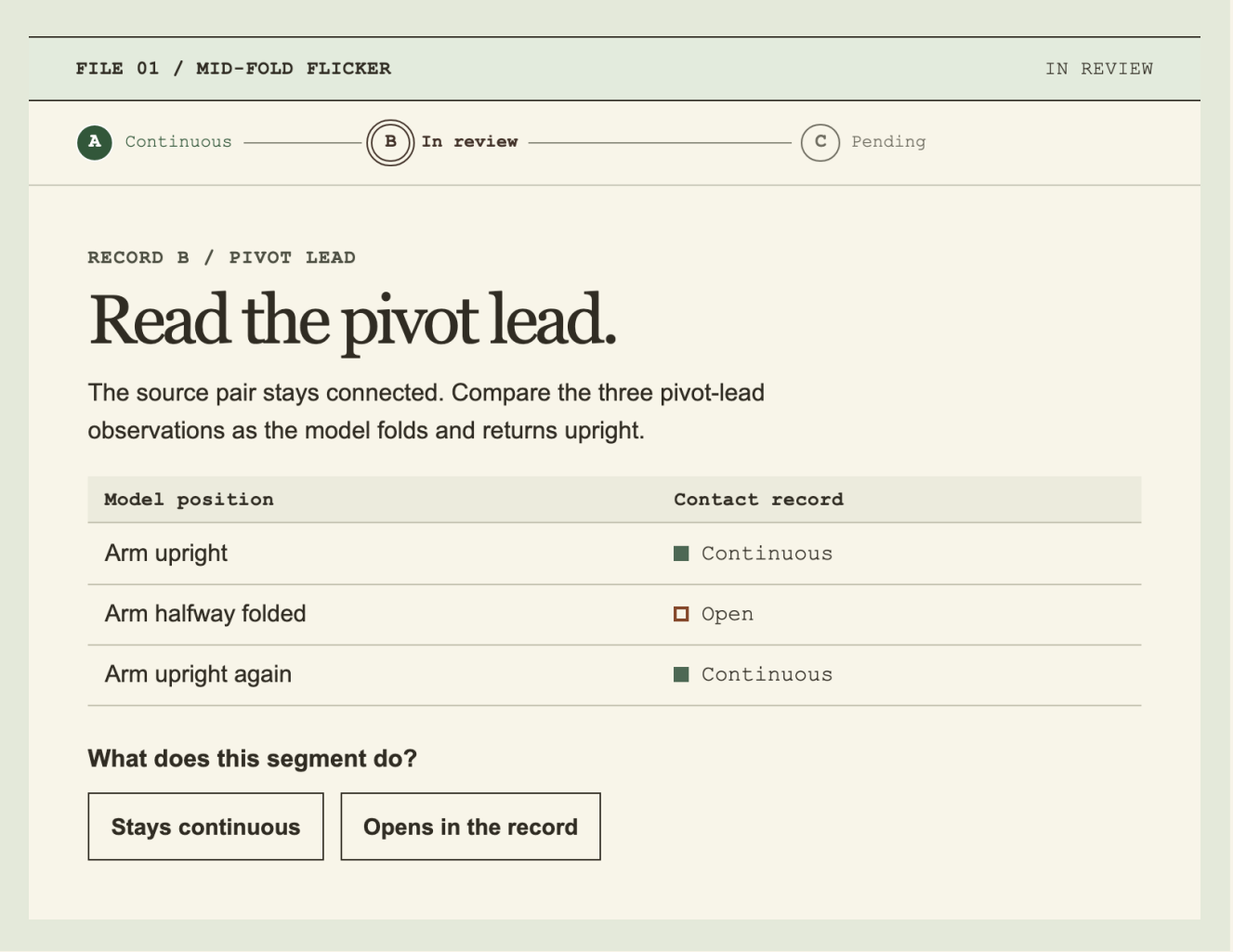
Shade socket

The final contact joins the arm lead to the emitter.

The pivot opens halfway

The first and last positions both show continuity. Only the halfway fold opens the pivot lead.

The trainee selects “Opens in the record” after checking all three rows.

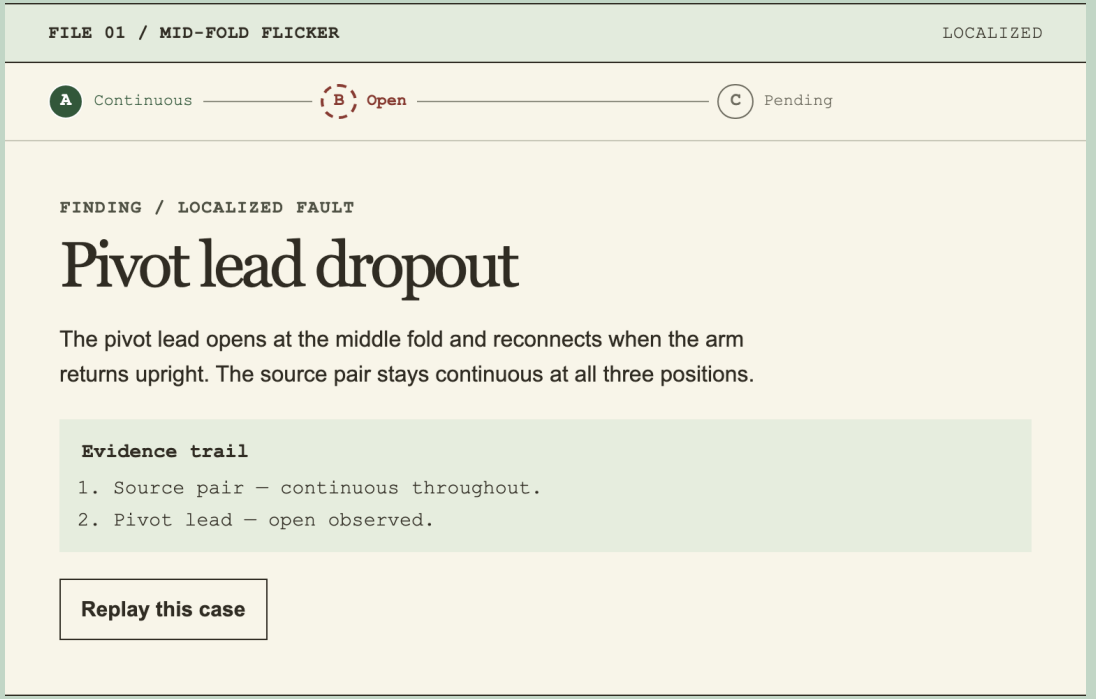


BROWSER CAPTURE / RECORD B

A finding the next reader can check

“The pivot lead opens halfway through the fold and closes when the arm returns upright.”

The reader copies the component, movement and observed change into their own notebook.



BROWSER CAPTURE / LOCALIZED FAULT

Two patterns to tell apart

File and segment	First position	Changed position	Return position
02 / Source pair	Tray centered Continuous	Tray shifted left Open	Tray centered Continuous
03 / Shade socket	Shade level Open	Shade dipped Continuous	Shade level Open

The tray loses contact when it shifts left. The shade regains contact when it dips.

Try a two-person handover

One trainee replays a case and writes the finding. A partner gets the note and uses the casebook to find the row that supports it.

This edition uses three fixed, single-fault simulations. All readings come from the browser exercise. No physical lamp or test equipment is needed.

DL–01 / POCKET NOTE

Segment

Position

Reading