

Loss List and System Priority Worksheet

The Ray and Carl whiteboard, made printable. Takes an observed wrench-time loss, maps it to the system that would close it, and builds a ninety-day system-installation priority order.

Companion to: *Fix the System*, Chapter 2. **Prerequisite:** complete the **Follow-a-Crew Field Audit Sheet** (Ch1 companion) first. This worksheet consumes its output. **How long it takes:** four to six hours across two weeks of plant walking, plus two hours of prioritization at the end. **What you'll produce:** a ranked list of the top six systems to install in the next ninety days, with estimated hours of wrench-time recovery per system, rolled up to annual mechanic-equivalent capacity.

The logic

Your Chapter 1 field audit produced a **cause-of-loss list**. This worksheet takes that list and does three things:

1. **Groups** the causes into specific, installable systems. 2. **Estimates** how many wrench-time hours per week each system, if installed, would recover. 3. **Ranks** the systems by recovery size so you know which to install first.

At the end, you will have a number you can take to a plant manager. *We are paying for X mechanic-hours of capacity and extracting Y. If we install these six systems over the next ninety days, we recover Z.*

That number is the language that makes cost-cutters put their scissors down.

Part 1 — The loss list

Transfer every observed cause of non-wrench time from your field audit into the table below. One row per distinct cause. Be specific. *"Waiting for parts"* is not a cause. *"Waiting for parts because the kit was pulled Friday and not restocked"* is a cause.

#	Observed loss (specific)	Where it happened	How often per week (estimate)	Hours lost per week (estimate)
1				
2				
3				
4				
5				
6				
7				
8				

9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Ray's list had nineteen items after his Wednesday. Most plants land between 15 and 30. If your list has fewer than 10, you probably haven't walked enough shifts — add a second day and rebuild.

Part 2 — Map loss to system

For each row above, write the specific system that would close that loss if it were installed and held. Use the reference table below as a starter kit. A system might close multiple losses; that is expected — note the same system against multiple rows.

Starter reference — common losses and the systems that close them

Observed loss	System that closes it	Book chapter
Kits pulled and not restocked	Kit-restock close-out discipline + weekly crib audit	Ch6 Plan / Ch9 Close Out
Bearing / part not where CMMS says	Parts-consumption tagging at close-out + crib reconciliation	Ch9 Close Out
Shared tool missing / hunt delay	Shared-tool log + daily check-in/out at shift end	Ch8 Execute
Scheduled job cancelled with no notice	Written cancellation protocol with 24h notice requirement	Ch7 Schedule

Job has no job plan	Planner planning discipline + 1-week planning horizon	Ch6 Plan
Operator not available when crew arrives	Scheduling coordination with operations + written handoff	Ch7 Schedule
Vendor meeting hijacks lead mid-shift	Protected calendar for leads + meeting whitelist	Ch7 Schedule
Close-outs say "Repaired. RTO."	Close-out quality rubric + supervisor weekly audit	Ch9 Close Out
Break-in work displaces planned work	Frozen-zone policy (48-72 hours)	Ch7 Schedule
PMs slip	PM kitting 48h ahead + escalation notifications	Ch6 Plan / Ch7 Schedule
Notifications sit in NEW status	24h triage commitment + weekly reject-pile review	Ch5 Identify
Operator anomalies never reported	Operator-driven reliability program + simple notification template	Ch5 Identify

This table is a starter, not exhaustive. Your plant will produce losses that need bespoke systems. Write them down. The book's Parts II-V expand on each system listed here.

Your loss-to-system map

# (from Part 1)	Loss (short)	System that closes it
1		
2		
3		
...		
<i>continue for all rows</i>		

Part 3 — System priority ranking

Aggregate the loss-hours-per-week by system. Most of your 15-20 loss rows will collapse onto 4-8 systems. That is good. It means the levers are fewer than the symptoms.

System	Losses it closes (row #s)	Total hours recovered per week (crew-wide)	Notes on installation effort

The math that unlocks the budget conversation

Top 6 systems total recovered hours per week: _____

Multiplied by 48 working weeks per year: _____ hours

At your fully-loaded labor rate of \$ _____/hour: \$ _____ annual value

Translated to mechanic-equivalents (/ 1,920 hrs/year): _____ mechanics

This is the sentence to bring to your plant manager:

"We are currently paying for [X] mechanics and extracting the productive output of [X minus Y]. If we install six specific systems over the next ninety days, we recover [Y] mechanic-equivalents of capacity. I am not asking for headcount. I am asking for ninety days of executive support for a frozen-zone policy, a kitting discipline, and a close-out standard."

Ray's numbers were:

- 1,728 hours per year recoverable
- ~1.5 mechanic-equivalents
- Six systems, ninety-day plan
- No hiring required

Yours will be different in specifics. The shape will be nearly identical.

Part 4 — Ninety-day installation sequence

For your top 6 systems, sketch a ninety-day installation order. Use this heuristic:

- **Weeks 1-2:** Install the system whose loss is most visible to the crew. Building trust requires an early visible win.
- **Weeks 3-6:** Install two systems that have the largest single recovery impact.
- **Weeks 7-10:** Install two systems that depend on the first ones being in place (e.g., PM kitting depends on kit-restock discipline).
- **Weeks 11-12:** Audit and reinforce. No new installation in the last two weeks. Make sure what you installed is holding.

System #	Install during	Visible metric to track weekly
1	Weeks 1-2	
2	Weeks 3-4	

3	Weeks 5-6	
4	Weeks 7-8	
5	Weeks 9-10	
6	Weeks 11-12 (reinforce + audit)	

After ninety days

Redo your **Follow-a-Crew Field Audit Sheet** with a different crew. Expect a 5-10 percentage-point gain in wrench time for a first installation cycle. Less than that is diagnostic — probably means one of the systems did not actually get installed, only announced. Walk the floor and find out which.

From Fix the System by Ivan Getov. Companion to Chapter 2: The Job, and Why Most Plants Get It Wrong. getov.xyz/toolkit/fix-the-system/ch02/loss-list-system-priority. Free. No email required.