FITMENT AUDIT REPORT

REPORT NO.	JCF-FA-SAMPLE	REV	A
STORE	Sample Performance Co.	PLATFORM	Shopify
VEHICLES	BMW E9x, F2x, F3x, F8x	SKUS REVIEWED	1,200

SAMPLE DATA

This report shows the format of a JCF Precision audit. The store, SKUs and counts are made up, and OEM part numbers are masked.

1.0 SUMMARY

214 of 1,200 SKUs (17.8%) have at least one fitment finding. Most come from listings written by year range instead of chassis and engine code.

CLASS	FINDING	SKUS	SHARE	RISK	EFFECT
F1	Engine code missing or wrong	96	8.0%	HIGH	Wrong part sold
F2	Pre-LCI/LCI not split	61	5.1%	HIGH	Wrong part sold
F3	Chassis scope too broad	44	3.7%	MED	Returns and support tickets
F4	Under-listed: fits cars not shown	38	3.2%	MED	Lost sales
F5	OEM number superseded	30	2.5%	MED	Bad cross-reference
Total findings (a SKU can have more than one)		269			

2.0 FIX FIRST

1. **Engine-specific parts on E9x 335 listings.** These cover both N54 and N55 cars under a single year range.
2. **Body parts spanning an LCI changeover.** The change happens at different model years on the sedan and the coupe.
3. **Vehicle naming.** Fix this before the rest of the cleanup, so every correction lands in one consistent format.

3.0 *FINDINGS LOG*

Each finding is logged by SKU with the listed fitment, the problem and the correction. Excerpt shown. Model years are US-market.

ID	SKU	PRODUCT	LISTED FITMENT	FINDING	CORRECTION
F1-007	SMP-1041	Charge pipe, N55	2007–2013 BMW 335i	Range includes N54 cars. N55 starts in 2011.	List by engine: E90 335i 2011, E92/E93 335i 2011–13.
F1-019	SMP-1603	Charge pipe, N55	F87 M2 2016–2021	F87 covers the N55 M2 and the S55 Competition and CS.	Limit to N55 M2, 2016–18.
F1-026	SMP-1522	Intake, B58	F30 3 Series 2012–2018	Covers several engines. B58 is only in the 340i.	Limit to F30 340i, 2016–18.
F1-031	SMP-1688	Intercooler, B58	F22 2 Series	M235i is N55. M240i is B58.	Limit to F22 M240i. Remove M235i.
F2-004	SMP-1312	Front lip, E92	E92 2007–2013	Front bumper changed at the LCI, so the lip can't cover both.	Split at the 2011 model year. Confirm which bumper it was made for.
F2-011	SMP-1455	Tail lights, E90	E90 2006–2011	Sedan LCI starts in 2009, not 2011 as on the coupe.	Split at the 2009 model year.
F3-008	SMP-1780	Rear diffuser	E9x	Rear bumpers differ by body style.	List by chassis: E90, E92 or E93.
F4-003	SMP-1187	Downpipes, N54	E92 335i 2007–2010	Missing N54 cars: E90 335i and E92 335is.	Add after confirming each car, including RWD vs. xDrive.
F5-002	SMP-2044	OEM replacement sensor	OEM ref. 11 xx x xxx x41	Number superseded.	Update to 11 xx x xxx x58. Keep the old number as a cross-reference.

4.0 DATA STRUCTURE

Vehicle names were entered as free text, so one chassis shows up under several names and filters split it apart.

VALUE IN CATALOG	SKUS	SHOULD BE
E92	184	E92
e92	41	E92
E-92	17	E92
E92 Coupe	23	E92
3 Series Coupe	12	E92 (confirm: could also be E46)

5.0 RECOMMENDED FITMENT FIELDS

Move fitment out of titles and tags, and into one vehicle master list with structured fields.

FIELD	EXAMPLE	WHY IT'S NEEDED
chassis	E92	Separates body styles
engine_code	N54	Separates engines under the same badge
lci_status	pre-LCI	Separates the update, which falls in different years by body
year_start / year_end	2007 / 2010	Supports year-based filters
drive	RWD	Separates RWD and xDrive parts

6.0 ACTION PLAN

ORDER	ACTION	SKUS
1	Standardize vehicle names against the master list	All
2	Correct F1 and F2 findings	157
3	Correct F3 findings	44
4	Add missing vehicles from F4 findings	38
5	Update superseded OEM numbers from F5 findings	30

7.0 LIMITS

Cars built close to a changeover can differ from their model year. For those, confirm against the production date or VIN before selling.