// CATALOG HEALTH CHECK

Sample Brake Co.: 2,140 SKUs with no fitment, and 38 vehicles the OE says you fit but don't list.

BRAND	FILES RECEIVED	CATALOG	TURNAROUND
Sample Brake Co. (fictional)	ACES 3.2 XML, PIES 7.2 XML	12,400 SKUs · 61,880 applications	48 hours

// STRUCTURAL SCORE

64 / 100

Weighted on ID validity, duplicates, overlaps and PIES completeness.

// NO FITMENT

2,140

SKUs in PIES with zero ACES applications (17%).

// BAD IDS

412

Invalid or expired VCdb, PCdb and Qdb references.

// PIES COMPLETE

71%

Core fields filled across all 12,400 records.

1. Structural report

Full file, all 12,400 SKUs

CHECK	WHAT WE FOUND	COUNT	PRIORITY
VCdb BaseVehicle IDs	IDs that are invalid or expired in the current VCdb release	286	HIGH
PCdb part types	Part type IDs not found in PCdb (mostly retired pad and rotor codes)	74	MEDIUM
Qdb qualifiers	Qualifier IDs not found in Qdb	52	MEDIUM
Overlapping applications	Same vehicle and position mapped to conflicting SKUs with no qualifier to split them	129	HIGH
Duplicate applications	Identical rows: same SKU, vehicle and position	233	LOW
Missing fitment	SKUs in PIES with no ACES application at all	2,140	HIGH
PIES completeness	Records missing core fields (weight, dimensions, images, descriptions)	318	MEDIUM
Duplicate titles	Different SKUs sharing the exact same product title	41	LOW
ACES version	File is ACES 3.2, an older release. Confirm the version each receiver wants.	1 file	MEDIUM
PIES version	PIES 7.2, current	OK	OK

1. Structural report

Every SKU in the file: IDs, duplicates, overlaps, versions and PIES completeness.

2. OE truth sample

20 to 25 brake SKUs checked against OE data, each with its source.

3. Top fixes

What to fix first, in order, with the count behind each one.

We accept ACES XML 3.x to 5.0, PIES XML 7.2 or 8.0, or a CSV or XLSX with part number and brand (YMM rows optional).

2. OE truth sample: 24 brake SKUs

Each SKU checked against OE parts data, with sources

14	3	5	2	38 vehicles
Confirmed	Contradicted	Missing	Held	the OE says these 5 SKUs fit that you don't list

SKU	PART	VEHICLE CHECKED	RESULT	NOTE	SOURCE
SBC-PD1123	Ceramic pads, front	2018 Toyota Camry LE 2.5L	CONFIRMED	Matches OE for all listed trims	OE EPC
SBC-RT5502	Rotor, rear	2019 Chevrolet Silverado 1500	MISSING	OE also fits 2019 to 2021 GMC Sierra 1500: 9 vehicles not listed	OE EPC
SBC-PD2087	Ceramic pads, rear	2016 Ford F-150 XLT 3.5L	CONTRADICTED	OE splits by brake package; listed for all	OE EPC, OE service info
SBC-RT6120	Rotor, front	2014 Subaru Outback 2.5i	CONFIRMED	Matches OE	OE EPC
SBC-RT7004	Rotor, rear	2016 Ram 1500	MISSING	11 OE vehicles not listed (2013 to 2018 trims)	OE EPC
SBC-CL0331	Caliper, front left	2015 Jeep Grand Cherokee	HELD	Two OE sources disagree; flagged for review	OE EPC, OE dealer catalog
SBC-PD4471	Ceramic pads, front	2018 Hyundai Elantra	CONTRADICTED	OE uses a larger pad on Sport trim	OE EPC
SBC-PD3390	Ceramic pads, front	2020 Nissan Rogue	MISSING	7 OE vehicles not listed	OE EPC
SBC-SH2240	Brake shoes, rear	2014 Nissan Versa	CONFIRMED	Matches OE	OE EPC

Showing 9 of 24 sampled SKUs. Confirmed: OE data agrees. Contradicted: OE data disagrees with your listing. Missing: OE says the part fits vehicles you don't list. Held: sources conflict, so we don't guess.

3. Top 10 fixes, in order

Biggest impact first

01 **Add fitment to 2,140 SKUs** that have none. Start with your top sellers.

02 **Replace 286 VCdb IDs** that are invalid or expired.

03 **Resolve 129 overlapping applications** with the right qualifiers.

04 **Add the 38 missing vehicles** found in the OE sample.

05 **Correct 3 contradicted applications**, including the F-150 and Elantra pads.

06 **Map 74 retired PCdb part types** to current codes.

07 **Fix 52 Qdb qualifiers** that no longer resolve.

08 **Fill core PIES fields** on 318 records.

09 **Remove 233 duplicate rows** and rewrite 41 duplicate titles.

10 **Move off ACES 3.2** to the version your receivers ask for.

Next step: full truth check

24 SKUs show the pattern. A full truth check covers about 500 brake SKUs against OE data in 1 to 2 weeks.

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