

# Taming the Wild ACES File: Common Issues In ACES and How to Fix Them



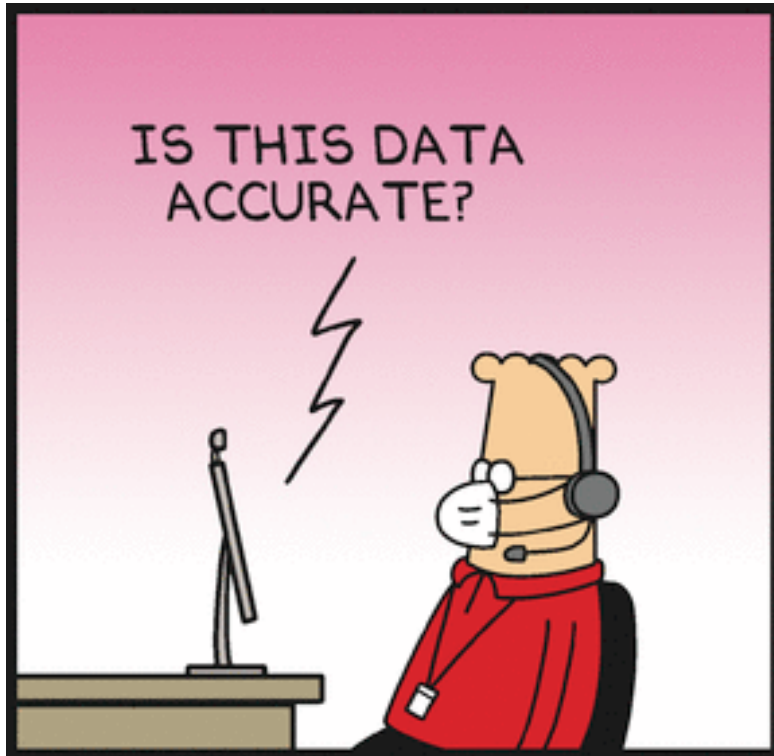


## What are we doing here?

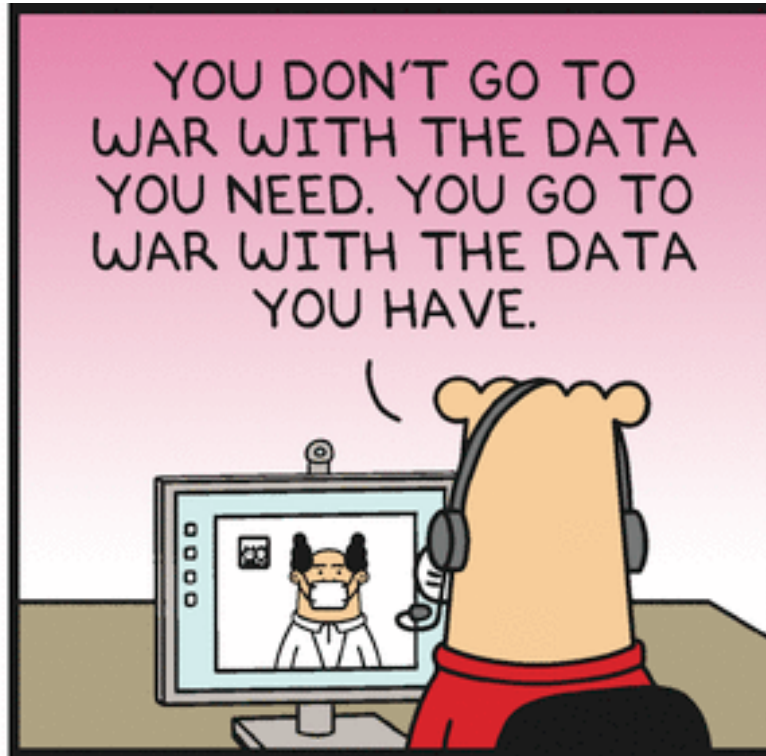
- What are the most common issues found in ACES files?
- What are the most egregious issues found in ACES files?
- How can I find the issues in my ACES files?
- How can I fix the issues in my ACES files?

## The upsides to good ACES files.

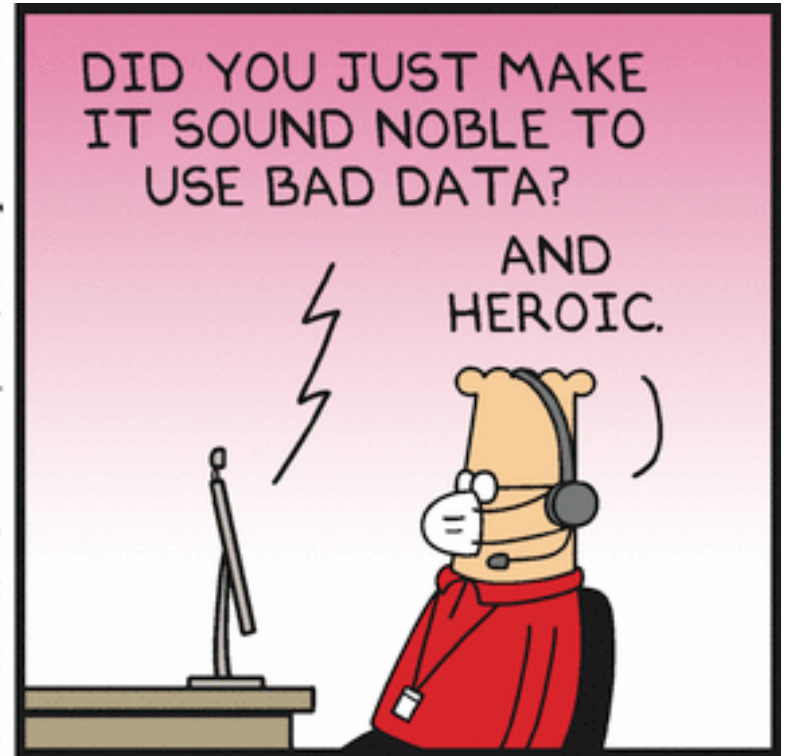
- ACES files are accepted and published by trading partners on the first try.
- Make my trading partners happy.
- Sell more parts. Way more parts. Fewer lost sales.
- Fewer returns.
- Competitive advantage.
- Make my customers happy.
- Others know I'm not a psychopath.



DILBERT.COM @SCOTTADAMSSAYS



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## What atrocities happen inside ACES files?

- Overlaps (five, yes five, different kinds)
- Overpopulation
- Holes
- Invalid ACES codes and configurations
- Part type disagreements
- Mismapped data
- Attributes in the free-text footnotes

## Feral Data, Ex. 1a: Pure Overlaps

Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Jeep	Cherokee	1999	Radiator Support				RS788
Jeep	Cherokee	1999	Radiator Support				RS789
Toyota	Yaris	2012	Bumper Bracket	Front Left			BB18
Toyota	Yaris	2012	Bumper Bracket	Front Left			BB19

Two different part numbers.

Two different part numbers.

No attributes, no footnotes.



Which part fits the 97 foot tail pipe?



Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Toyota	Supra	2019	Tail Pipe				TP123
Toyota	Supra	2019	Tail Pipe				TP125



## Feral Data, Ex. 1b: Comment/No Comment Overlaps

Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Mazda	6	2006	A/C Condenser				AC235
Mazda	6	2006	A/C Condenser		Mazdaspeed		AC236
Chrysler	Aspen	2007	HVAC Heater Assembly				HA781
Chrysler	Aspen	2007	HVAC Heater Assembly	Rear			HA783
Nissan	Altima	2018	Bumper Bracket	Front Left		This one was dipped in the blood of my enemies.	BB18
Nissan	Altima	2018	Bumper Bracket	Front Left			BB19

← Two different part numbers.

← Two different part numbers.

← Two different part numbers.

## Tame Data, Ex. 1b: Comment/No Comment Overlaps

Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Mazda	6	2006	A/C Condenser		S, i		AC235
Mazda	6	2006	A/C Condenser		Mazdaspeed		AC236
Chrysler	Aspen	2007	HVAC Heater Assembly	Front			HA781
Chrysler	Aspen	2007	HVAC Heater Assembly	Rear			HA783
Nissan	Altima	2018	Bumper Bracket	Front Left		This one was dipped in the blood of my enemies.	BB18
Nissan	Altima	2018	Bumper Bracket	Front Left		Standard Finish	BB19

**FIXED.**



Which part fits the car with the continental kit?



Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Ford	Taurus	1997	Bumper Cover	Rear		w/ Continental Kit	<b>BC800</b>
Ford	Taurus	1997	Bumper Cover	Rear			<b>BC803</b>

## Feral Data, Ex. 1c: Disparate Branching Overlaps

Two different part numbers.

Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Chrysler	LeBaron	1990	Radiator		V6		RA77
Chrysler	LeBaron	1990	Radiator		Sedan		RA78
Jeep	Cherokee	1999	Radiator Support		Automatic Transmission		RS788
Jeep	Cherokee	1999	Radiator Support		4WD		RS789

Two different part numbers.

## Tame Data, Ex. 1c: Disparate Branching Overlaps

Two different part numbers.

Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Chrysler	LeBaron	1990	Radiator		Coupe; Convertible		RA77
Chrysler	LeBaron	1990	Radiator		Sedan		RA78
Jeep	Cherokee	1999	Radiator Support		Automatic Transmission; 4WD		RS788
Jeep	Cherokee	1999	Radiator Support		RWD		RS788
Jeep	Cherokee	1999	Radiator Support		Manual Transmission; 4WD		RS789

**FIXED.**

Two different part numbers.



**Which part fits?**



Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Smart	Fortwo	2015	Disc Brake Pad Set	Front	AWD		<b>D3311</b>
Smart	Fortwo	2015	Disc Brake Pad Set	Front	Identity Crisis Submodel		<b>D3410</b>

## Feral Data, Ex. 1d (subset one): Sneaky Overlaps

Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Ford	F-150	1997	A/C Condenser			All	AC123
Ford	F-150	1997	A/C Condenser			w/ Dealer Installed Air Conditioning	AC124
Ford	F-150	1997	A/C Condenser			w/ Factory Installed Air Conditioning	AC125
Audi	A3	2007	Fog Light Bulb			Compare to original	FL155
Audi	A3	2007	Fog Light Bulb			Compare to original.	FL157
Chevrolet	Trailblazer	2006	Power Window Motor and Regulator Assembly	Rear Left	EXT	Regulator & Motor Assy	PW97
Chevrolet	Trailblazer	2006	Power Window Motor and Regulator Assembly	Rear Left		Regulator Assy; w/Motor	PW98
Chevrolet	Trailblazer	2006	Power Window Motor and Regulator Assembly	Rear Left		Regulator Only	PW99

**Three different part numbers.**



**Two different part numbers.**



**Three different part numbers.**

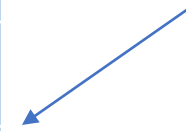


**FIXED.**

## Tame Data, Ex. 1d (subset one): Sneaky Overlaps

Make	Model	Year	Part Description	Position	Attributes	Footnotes	Part Number
Ford	F-150	1997	A/C Condenser		4.6L		AC123
Ford	F-150	1997	A/C Condenser		5.4L	w/ Dealer Installed Air Conditioning	AC124
Ford	F-150	1997	A/C Condenser		5.4L	w/ Factory Installed Air Conditioning	AC125
Audi	A3	2007	Fog Light Bulb		Base	Compare to original	FL155
Audi	A3	2007	Fog Light Bulb		S Line	Compare to original	FL157
Chevrolet	Trailblazer	2006	Power Window Motor and Regulator Assembly	Rear Left	EXT		PW97
Chevrolet	Trailblazer	2006	Power Window Motor and Regulator Assembly	Rear Left	LS, LT, SS		PW98
Chevrolet	Trailblazer	2006	<b>Power Window Regulator</b>	Rear Left			PW99

Three different part numbers.



Two different part numbers.



Three different part numbers.





## Feral Data, Ex. 1d (subset one): Sneaky Overlaps

w/ AC

w/AC

w/ A/C

w/A/C

w/ A.C.

w/A.C.

w/ Air Conditioning

With Air Conditioning

With AC

With A/C

With Air Cond.

w/Air Cond.

w/ Air Cond.

= 2341

FIXED.



## Feral Data, Ex. 1e: Non-Identical Duplicate Overlaps

Make	Model	Year	Part Description	Position	Attributes	Part Number
Lexus	IS350	2009	Disc Brake Pad Set	Front	AWD	BR12
Lexus	IS350	2009	Disc Brake Pad Set	Front	RWD	BR13
Lexus	IS350	2009	Disc Brake Pad Set	Rear	AWD	<b>BR14</b>
Lexus	IS350	2009	Disc Brake Pad Set	Rear	RWD	<b>BR14</b>
Jeep	Renegade	2015	Grille		Latitude, Limited, Sport	<b>GR1233</b>
Jeep	Renegade	2015	Grille			<b>GR1233</b>

One part number.



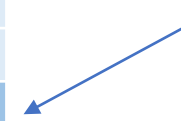
One part number.



## Tame Data, Ex. 1e: Non-Identical Duplicate Overlaps

Make	Model	Year	Part Description	Position	Attributes	Part Number
Lexus	IS350	2009	Disc Brake Pad Set	Front	AWD	BR12
Lexus	IS350	2009	Disc Brake Pad Set	Front	RWD	BR13
<b>Lexus</b>	<b>IS350</b>	<b>2009</b>	<b>Disc Brake Pad Set</b>	<b>Rear</b>		<b>BR14</b>
<b>Jeep</b>	<b>Renegade</b>	<b>2015</b>	<b>Grille</b>			<b>GR1233</b>

Consolidated



Consolidated



**FIXED.**



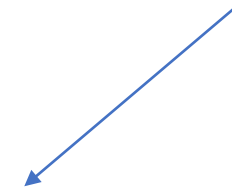
## Types of Overlaps

- Pure
- Comment/No Comment
- Disparate Branching
  - Sneaky
- Non-Identical Duplicates

# Feral Data, Ex. 2: Overpopulation

Make	Model	Year	Part Description	Position	Submodel	BodyNumDoors	BodyType	EngineBase	FuelType	CylinderHeadType	Aspiration	Part Number
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	2	Cutaway Van	5.7L 350	BI-FUEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	2	Cutaway Van	5.7L 350	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	2	Cutaway Van	6.5L 395	DIESEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	2	Cutaway Van	8.1L 496	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Extended Cargo Van	5.7L 350	BI-FUEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Extended Cargo Van	5.7L 350	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Extended Cargo Van	6.5L 395	DIESEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Extended Cargo Van	8.1L 496	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Extended Passenger Van	5.7L 350	BI-FUEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Extended Passenger Van	5.7L 350	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Extended Passenger Van	6.5L 395	DIESEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Extended Passenger Van	8.1L 496	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Standard Cargo Van	5.7L 350	BI-FUEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Standard Cargo Van	5.7L 350	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Standard Cargo Van	6.5L 395	DIESEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Standard Cargo Van	8.1L 496	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Standard Passenger Van	5.7L 350	BI-FUEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Standard Passenger Van	5.7L 350	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Standard Passenger Van	6.5L 395	DIESEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	Base	3	Standard Passenger Van	8.1L 496	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	SLT	3	Extended Passenger Van	5.7L 350	BI-FUEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	SLT	3	Extended Passenger Van	5.7L 350	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	SLT	3	Extended Passenger Van	6.5L 395	DIESEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	SLT	3	Extended Passenger Van	8.1L 496	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	SLT	3	Standard Passenger Van	5.7L 350	BI-FUEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	SLT	3	Standard Passenger Van	5.7L 350	GAS	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	SLT	3	Standard Passenger Van	6.5L 395	DIESEL	OHV	Naturally Aspirated	SM1749
GMC	Savana 3500	2001	Power Window Switch	Left Front	SLT	3	Standard Passenger Van	8.1L 496	GAS	OHV	Naturally Aspirated	SM1749

Same part number.





**Why is overpopulation a crime?  
The customer still gets the correct part, right?**

Make	Model	Year	Part Description	Position	Part Number
GMC	Savana 3500	2001	Power Window Switch	Left Front	SM1749



**Consolidated**

**FIXED.**

## Feral Data, Ex. 3: Holes

Make	Model	Year	SubModel	Part Description	Position	Footnotes	Part Number
Mini	Cooper	2017	S	Headlight Combination Assembly			TF100
Volkswagen	GTI	2006		Disc Brake Rotor	Front		BR500
Chevrolet	Silverado 3500	2014		Disc Brake Pad Set	Rear	To 8/14	D1411
Audi	A4	2014		Windshield Wiper Blade	Front		2024

## Feral Data, Ex. 3: Holes

Make	Model	Year	SubModel
<b>Mini</b>	<b>Cooper</b>	<b>2017</b>	<b>S</b>
Mini	Cooper	2017	S Chili
Mini	Cooper	2017	S Hot Chili
Mini	Cooper	2017	S Salt
Mini	Cooper Clubman	2017	S
Mini	Cooper Clubman	2017	S ALL4
Mini	Cooper Clubman	2017	S Chili
Mini	Cooper Clubman	2017	S Hot Chili
Mini	Cooper Countryman	2017	S
Mini	Cooper Countryman	2017	S ALL4
Mini	Cooper Countryman	2017	S Chili
Mini	Cooper Countryman	2017	S Hot Chili
			S Hot Chili
Mini	Cooper Countryman	2017	ALL4

Make	Model	Year	SubModel
<b>Volkswagen</b>	<b>GTI</b>	<b>2006</b>	
Volkswagen	Golf	2006	GTI 1.8T

Make	Model	Year	Part Description	Position	Footnotes	Part Number
<b>Chevrolet</b>	<b>Silverado 3500</b>	<b>2014</b>	<b>Disc Brake Pad Set</b>	<b>Rear</b>	<b>To 8/14</b>	<b>D1411</b>
Chevrolet	Silverado 3500	2014	Disc Brake Pad Set	Rear	From 9/14	D1565

Make	Model	Year
<b>Audi</b>	<b>A4</b>	<b>2014</b>
Audi	A4 allroad	2014
Audi	A4 Quattro	2014



Make	Model	Year
BMW	230i	2020
BMW	230i xDrive	2020
BMW	330i	2020
BMW	330i xDrive	2020
BMW	420i	2020
BMW	420i Gran Coupe	2020
BMW	430i	2020
BMW	430i Gran Coupe	2020
BMW	430i xDrive	2020
BMW	430i xDrive Gran Coupe	2020
BMW	440i	2020
BMW	440i Gran Coupe	2020
BMW	440i xDrive	2020
BMW	440i xDrive Gran Coupe	2020
BMW	530e	2020
BMW	530e xDrive	2020

## Feral Data, Ex. 3: Holes

Make	Model	Year
BMW	530i	2020
BMW	530i xDrive	2020
BMW	540i	2020
BMW	540i xDrive	2020
BMW	740i	2020
BMW	740i xDrive	2020
BMW	745e	2020
BMW	745e xDrive	2020
BMW	750i xDrive	2020
BMW	750Li xDrive	2020

Make	Model	Year
BMW	840i	2020
BMW	840i Gran Coupe	2020
BMW	840i xDrive	2020
BMW	840i xDrive Gran Coupe	2020
BMW	i3	2020
BMW	i3s	2020
BMW	M240i	2020
BMW	M240i xDrive	2020
BMW	M340i	2020
BMW	M340i xDrive	2020
BMW	M760i xDrive	2020
BMW	M760Li xDrive	2020
BMW	M8	2020
BMW	M8 Gran Coupe	2020
BMW	M850i xDrive	2020
BMW	M850i xDrive Gran Coupe	2020



**Don't.**

**Maybe do.**

## Other Types of Feral Data

- Invalid codes and configurations

Error Message

ID invalid for Configuration

← 2010 Chevrolet Corvette

FERAL. Snowmobile submodel not available until 2011.



## Other Types of Feral Data

- Part type disagreements

Part Number	Part Description
SS123	Differential Oil
SS123	Transfer Case Fluid
D52	Disc Brake Pad Set
D52	Disc Brake Rotor

← Probably OK.

← Feral.

## Other Types of Feral Data

- Mismapped data



**No. Don't.**



Free-Text Footnote (Don't)	ACES Attribute (Do)
w/ Rear Disc Brakes	Rear Brake Type
4WD	Drive Type
Sedan	Body Type
16V Engine	Valves Per Engine
Diesel	Fuel Type
Exc. Pickup	Model or Body Type
Exc. ABS	Brake ABS
2-Door	Body Num Doors
Auto Trans.	Transmission Control Type
USA	Region
SRT Hellcat Redeye Widebody	Submodel
Turbo	Aspiration
3.5L	Engine Base
Hemi	Engine Version
w/ Fuel Injection	Fuel Delivery Type
w/ 4L30E Trans.	Transmission Mfr Code
w/ 6' Bed	Bed Length
Fleetside	Bed Type
140" WB	Wheelbase

## Other Types of Feral Data

- **Attributes in the free-text footnotes**

## How do I know if I have feral data?

- What is my software or service provider telling me about my data?
- What are my customers telling me?
- What are my trading partners telling me?
- My own research and review.

	A	B	C	D	E	F	G	H	I
1	Problem Description	App Group	App Id	BaseVehicle Id	Make	Model	Year	Part Type	Position
2	Overlap	1		305	319 Subaru	Brat		1978 Universal Joint	Rear Shaft
3	Overlap	1		306	319 Subaru	Brat		1978 Universal Joint	Rear Shaft
4	Overlap	2		307	320 Subaru	Brat		1979 Universal Joint	Rear Shaft
5	Overlap	2		308	320 Subaru	Brat		1979 Universal Joint	Rear Shaft
6	Overlap	3		309	321 Subaru	Brat		1980 Universal Joint	Rear Shaft
7	Overlap	3		310	321 Subaru	Brat		1980 Universal Joint	Rear Shaft
8	Overlap	4		311	322 Subaru	Brat		1981 Universal Joint	Rear Shaft
9	Overlap	4		312	322 Subaru	Brat		1981 Universal Joint	Rear Shaft
10	Overlap	5		313	323 Subaru	Brat		1982 Universal Joint	Rear Shaft
11	Overlap	5		314	323 Subaru	Brat		1982 Universal Joint	Rear Shaft
12	Overlap	6		315	324 Subaru	Brat		1983 Universal Joint	Rear Shaft
13	Overlap	6		316	324 Subaru	Brat		1983 Universal Joint	Rear Shaft
14	Overlap	7		317	325 Subaru	Brat		1984 Universal Joint	Rear Shaft
15	Overlap	7		318	325 Subaru	Brat		1984 Universal Joint	Rear Shaft
16	Overlap	8		319	326 Subaru	Brat		1985 Universal Joint	Rear Shaft
17	Overlap	8		320	326 Subaru	Brat		1985 Universal Joint	Rear Shaft
18	Overlap	9		321	327 Subaru	Brat		1986 Universal Joint	Rear Shaft
19	Overlap	9		322	327 Subaru	Brat		1986 Universal Joint	Rear Shaft
20	Overlap	10		323	328 Subaru	Brat		1987 Universal Joint	Rear Shaft
21	Overlap	10		324	328 Subaru	Brat		1987 Universal Joint	Rear Shaft
22	Overlap	11		34621	6634 Nissan	280Z		1975 Universal Joint	Rear Shaft
23	Overlap	11		34622	6634 Nissan	280Z		1975 Universal Joint	Rear Shaft
24	Overlap	12		34624	6635 Nissan	280Z		1976 Universal Joint	Rear Shaft
25	Overlap	12		34625	6635 Nissan	280Z		1976 Universal Joint	Rear Shaft
26	Overlap	13		34627	6636 Nissan	280Z		1977 Universal Joint	Rear Shaft
27	Overlap	13		34628	6636 Nissan	280Z		1977 Universal Joint	Rear Shaft
28	Overlap	14		34637	6657 Nissan	510		1978 Universal Joint	Rear Shaft
29	Overlap	14		34638	6657 Nissan	510		1978 Universal Joint	Rear Shaft
30	Overlap	15		34639	6658 Nissan	510		1979 Universal Joint	Rear Shaft
31	Overlap	15		34640	6658 Nissan	510		1979 Universal Joint	Rear Shaft
32	Overlap	16		34641	6661 Nissan	610		1975 Universal Joint	Rear Shaft
33	Overlap	16		34642	6661 Nissan	610		1975 Universal Joint	Rear Shaft
34	Overlap	17		34644	6662 Nissan	610		1976 Universal Joint	Rear Shaft
35	Overlap	17		34645	6662 Nissan	610		1976 Universal Joint	Rear Shaft
36	Overlap	18		34669	6681 Nissan	D21		1987 Universal Joint	Front Shaft
37	Overlap	18		34670	6681 Nissan	D21		1987 Universal Joint	Front Shaft
38	Overlap	19		34676	6687 Nissan	D21		1988 Universal Joint	Front Shaft

# How do I know if I have feral data?

Your software or service provider will tell you!



## How do I know if I have feral data?

Vinie

3.0 out of 5 stars      **Wrong Description**

Reviewed in the United States on December 16, 2021

Verified Purchase

The item was new and quickly shipped. But it DOESN'T fit Toyota Camry LE 2007 as stated in the listing.

Your customers will tell you!



# How do I know if I have feral data?

**From:** CDI REPORTING <[cdireporting@whisolutions.com](mailto:cdireporting@whisolutions.com)>

**Sent:** Thursday, May 5, 2022 4:02 PM

**To:** [courtney@autologydata.com](mailto:courtney@autologydata.com)

**Cc:** [cdireporting@whisolutions.com](mailto:cdireporting@whisolutions.com)

**Subject:** >>>!! ACES UPDATE INITIAL FEEDBACK & MISSING PART/APPLICATION FILE IS ON HOLD!!<<<

**Importance:** High

Your trading partners will tell you!

**Dear Data Provider,**

The attached reports contain missing coverage based on our comparison of the ACES update received on 05/04/2022, and data received from earlier updates that currently resides in our catalog.

**In order to drop this data please assign a 'Y' in the Delete column, unless you would like to Retain the Data, then assign an 'N' instead. Please do not include any characters other than 'Y' or 'N' in the Delete Column, this will cause an error and the drops will NOT be processed. This will delay the designated drops from being removed, although add records will continue to process on time.**

**New To The Missing Apps Report: The Delete Column may contain 'V' which denotes VCDB changes for those BaseVehicleIDs. Our process normally automatically retains these records in the catalog but in an effort to clean up older data, please mark these records with 'Y' to Delete if you are confident the new file provided has the VCDB changes or 'N' to Retain retain the previous data.**

There are 2 drop report(s) to review:

## **MISSING APPLICATIONS**

For the part types sent, the base vehicles were found in the WHI catalog but NOT found in the update are listed.

Once a base vehicle/part type is provided it is deemed to be 100% complete and will overwrite all existing data for that base vehicle/part type and these overwrites are NOT included in the report! For example, if a base vehicle/part type is sent for just one of 2 valid engines, any previously **blah blah blah**

**Don't.**

**Wait. Do!**

**No, don't.**



**I have some feral data and I feel bad.  
What should I do?**



## I have some feral data and I feel bad. What should I do?

- Know that this does not make you a bad person.
- Start today. Or, you know, next week is fine.
- Take a fresh, comprehensive look at your data in a human-friendly format.
  - Make or get a text translation of your ACES file.
  - Open it up in a spreadsheet or a database.
  - Make unique lists – part numbers, footnotes, part descriptions, manufacturer labels.
  - Check out ‘problem areas’.
  - Take a fresh, comprehensive look at your data in a human-friendly format.
  - Do online lookups for your own parts, which mock a parts counter.

## I have some feral data and I feel bad. What should I do?

- When adding or updating, look at everything in context.
  - Look at forward and backward years
  - Look at related models and submodels
  - Look at all positions
  - Look at footnotes and coded comments
  - Look at manufacturer labels
  - Only add info that is necessary for choosing the correct part, no more and no less.

## I have some feral data and I feel bad. What should I do?

- Check out all the reporting tools in your software.
  - Overlaps
  - Holes
  - Invalid codes and configs
  - Part type disagreements
  - Attributes in the free-text footnotes
  - Overpopulation (maybe)

## I have some feral data and I feel bad. What should I do?

- Ask your service provider what they can tell you about your data.
- Review the reports and assessments from your receivers.
- Review those discrepancies.
- Use the Qdb – standardize your footnotes.



## Finally, my data is perfect. Now what?

- No, it's not.
- Retire at the top of your game.
- Submit it for the Content Excellence awards.
- Be vigilant, don't stop searching for issues.
- Develop data governance rules that are enforceable.  
Pick an exciting punishment for people who don't follow them.



# Taming the Wild ACES File: Common Issues In ACES and How to Fix Them



Come see us at the trade show!