

The Power of Cox Automotive

The World's Largest Provider of Automotive Services and Solutions



COX AUTOMOTIVE





























Agenda

Time Check: 90 Minutes

Intro & Cox Automotive

The Economy

Market Performance: Used Vehicles

Market Performance: New Vehicles

Outlook & Playlist

Q&A

Mark Schirmer, Director, Corporate Communications

Jonathan Smoke, Chief Economist

Chris Frey, Senior Manager, Economic and Industry Insights

Charlie Chesbrough, Senior Economist

Jonathan Smoke, Chief Economist and Resident DJ

w/ Michelle Krebs, Executive Analyst

Jeremy Robb, Senior Director, Economic and Industry Insights

Rebecca Rydzewski, Research Manager, Economic and Industry Insights









Jonathan Smoke

Chief Economist

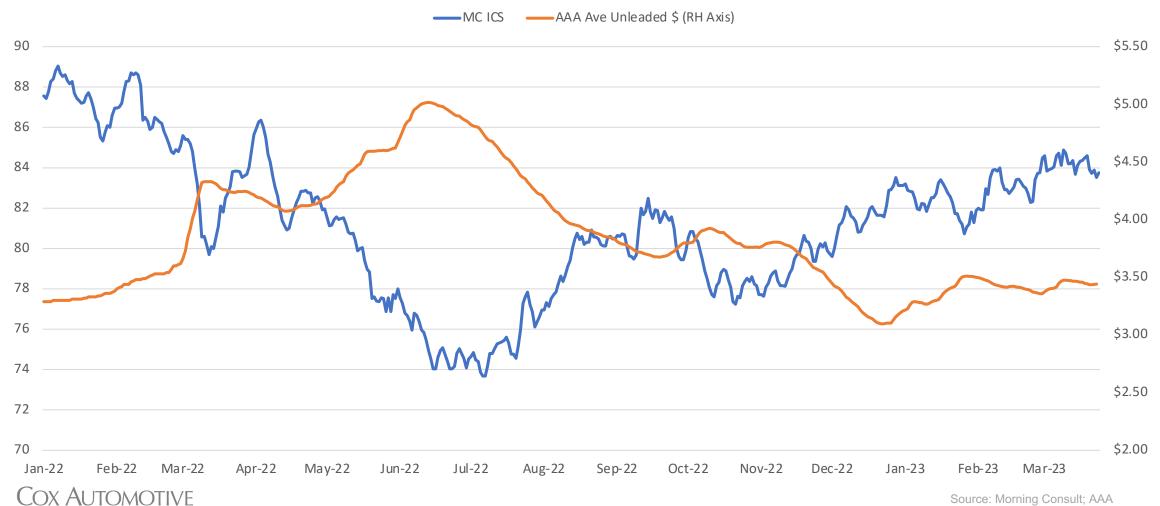


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Consumer Sentiment Declining in March

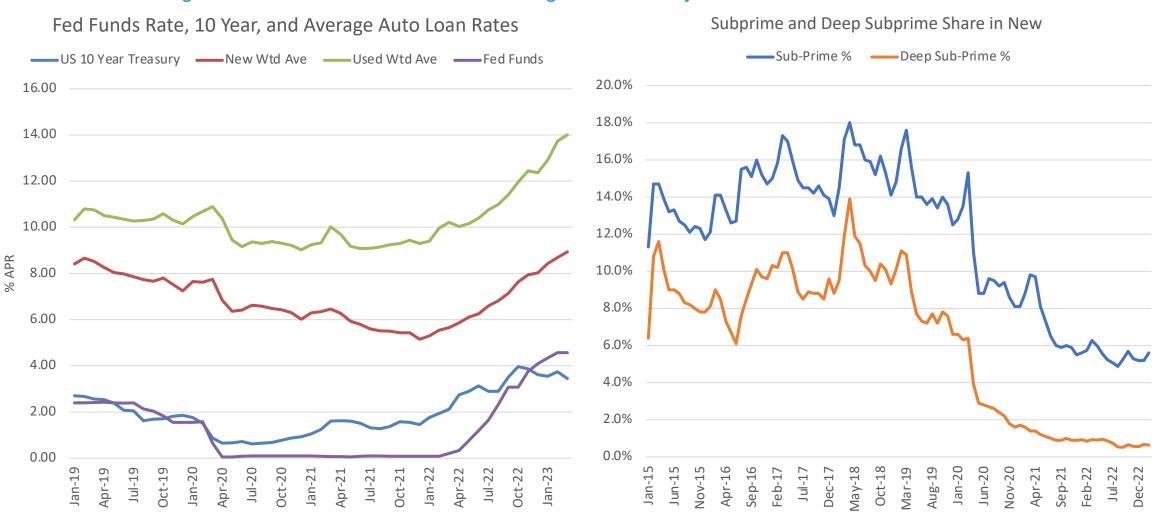
The Index of Consumer Sentiment increased 3.2% in February but is down 0.9% so far in March

Morning Consult Index of Consumer Sentiment vs. Average Price of Unleaded



State of the Industry

Fastest and largest increases in interest rates resulting in affordability crisis

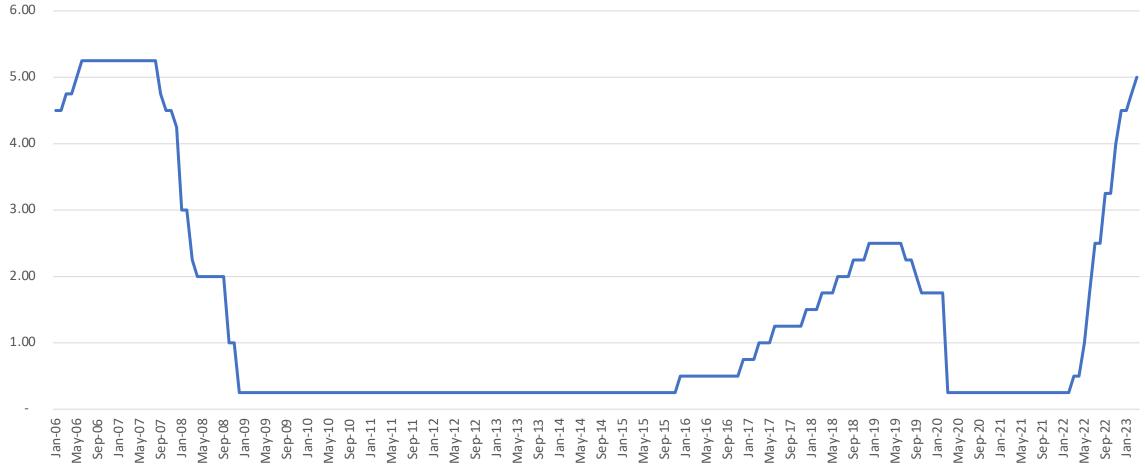


State of the Industry

In one year, the Fed Funds Rate has gone from zero to just 25 BPs below prior peak in 2006



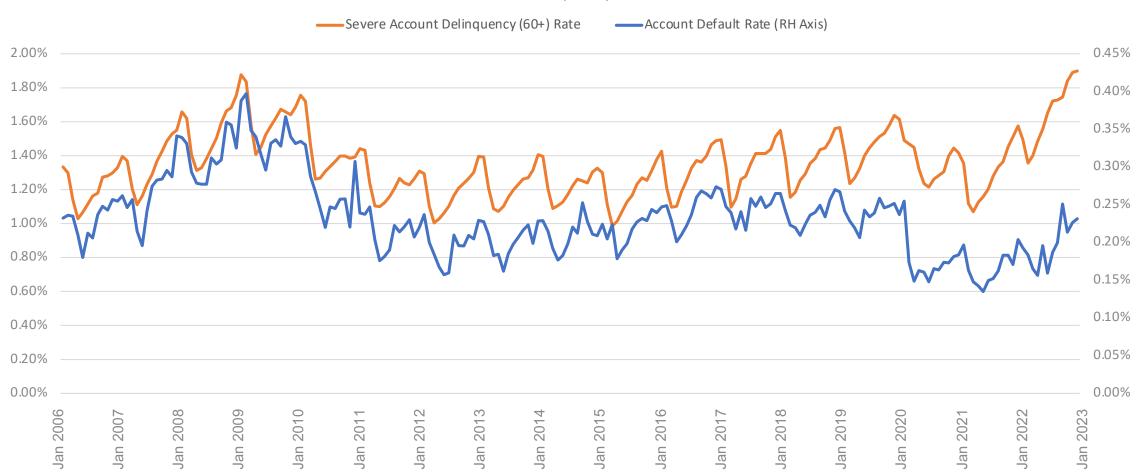




State of the Industry

Default rate moving higher but not to extent of delinquencies

Auto Loan Delinquency vs. Defaults





The Economy

Overall Economy	Real GDP Growth	-1.6% (Q1 '22)	2.7% (Q4 '22)	+2.5% (Q1 '23 F)	
Employment Conditions	U3 Unemployment Rate	3.8% (Feb '22)	3.4% (Jan '23)	3.6% (Feb '23)	
Buyer Confidence	UofM Consumer Sentiment	59.4 (Mar '22)	67.0 (Feb '23)	63.4 (Mar '23 P)	
Wages	Earnings Growth	5.3% (Feb '22)	4.4% (Jan '23)	4.6% (Feb '23)	
Buyer Ability	Disposable Income Y/Y	-6.1% (Jan '22)	8.4% (Jan '23)		

The Economy

Auto Finance	FRBNY	\$181 billion (Q4 '21)	\$186 billion (Q4 '22)		
Interest Rates	Effective Fed Funds Rate	0.20% (Mar '22)	4.83% (Mar '23)		
Borrowing Costs	Average New Auto Loan Rate	5.66% (Mar '22)	8.95% (Mar '23)		
Mobility Costs	AAA Average Retail Unleaded Gasoline Price	\$4.21 (Mar '22)	\$3.36 (Feb '23)	\$3.44 (Mar '23)	



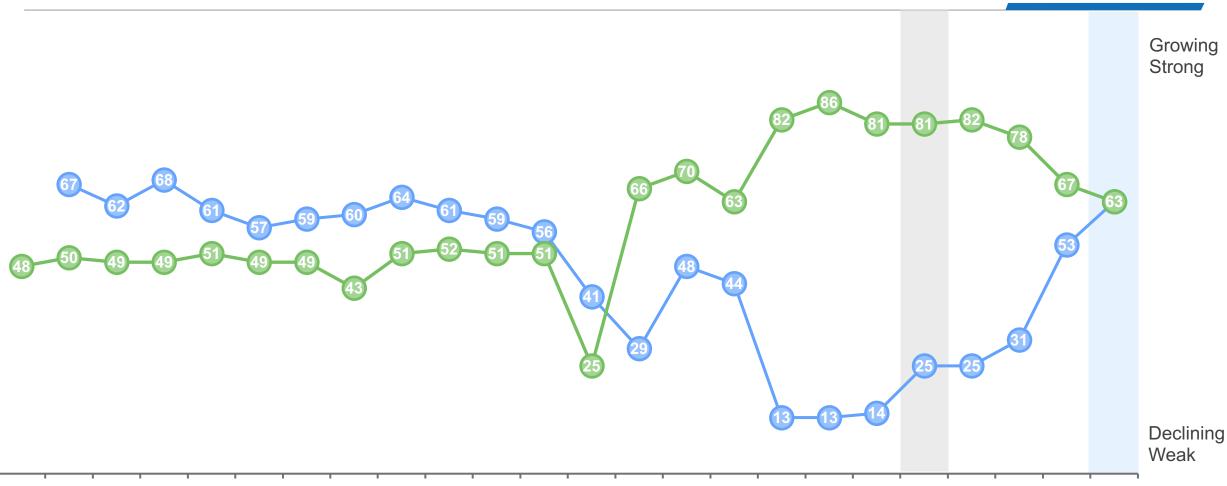
Dealer Sentiment Index

FIRST QUARTER 2023

Inventory/Profits

How would you describe your profits over the past 3 months?

How would you describe the current new-vehicle inventory levels?



Q2 17 Q3 17 Q4 17 Q1 18 Q2 18 Q3 18 Q4 18 Q1 19 Q2 19 Q3 19 Q4 19 Q1 20 Q2 20 Q3 20 Q4 20 Q1 21 Q2 21 Q3 21 Q4 21 Q1 22 Q2 22 Q3 22 Q4 22 Q1 23

New Vehicle Inventory

Franchised Profits



Note: Scale 1 - 100

Dealer Sentiment Index

FIRST QUARTER 2023

Factors Holding Back Your Business?

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			Q1 '23	Q4 '22	Q1 '22	Q1 '21
	1	Interest Rates	55% 👚	49%	5%	3%
	2	Economy	54% 👢	62%	37%	42%
	3	Limited Inventory	43%	47%	62%	43%
	4	Market Conditions	42%	46%	40%	38%
	5	Expenses	29%	29%	23%	21%
	6	Consumer Confidence	28% 👃	33%	15%	25%
	7	Credit Availability for Consumers	26%	24%	13%	18%
	8	Political Climate	25% 👃	33%	20%	36%
	9	Weather	13% 👚	4%	15%	17%
	10	Competition	12%	12%	13%	20%

Significant decrease vs previous quarter

Significant increase vs previous quarter









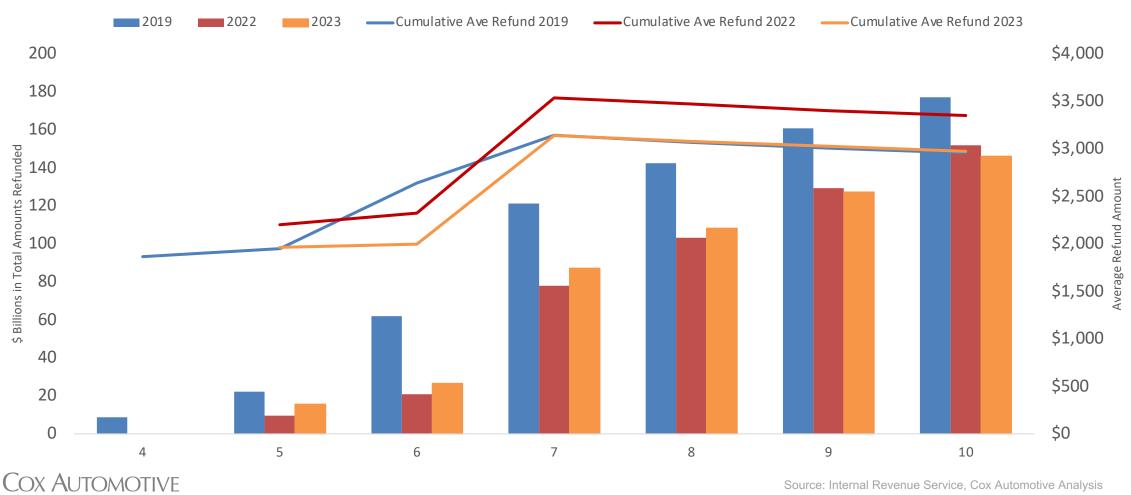
Chris Frey

Senior Manager, Economic and Industry Insights

Tax Refunds | Less Money Flowing Into Economy

The number of refunds is 9% ahead of last year, but the average refund is down 11%

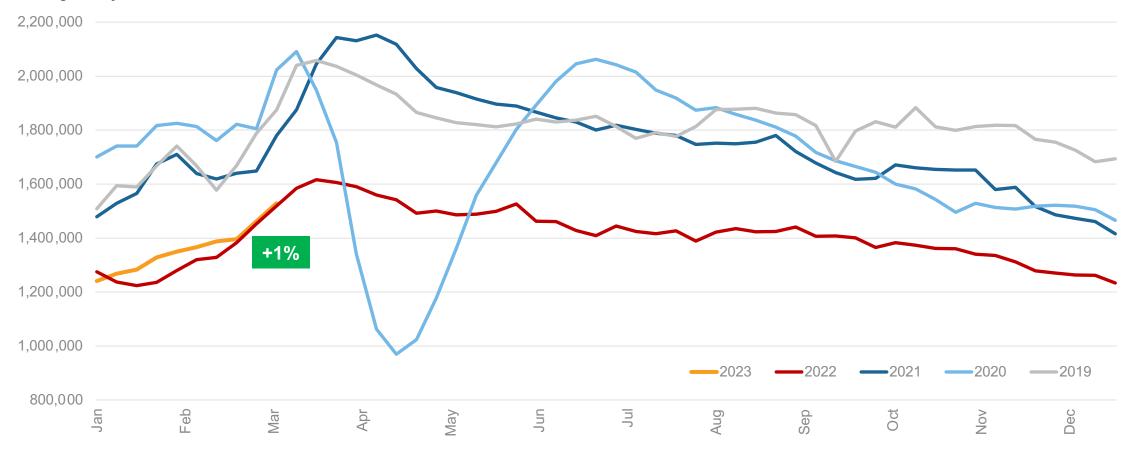
Cumulative Refunds Issued and Ave Refund Amount by Week (week 10 was week ending March 10, 2023)



Used-Vehicle Sales | Pace Now Up Slightly Over Last Year

Early sales gains now appear to be slowing

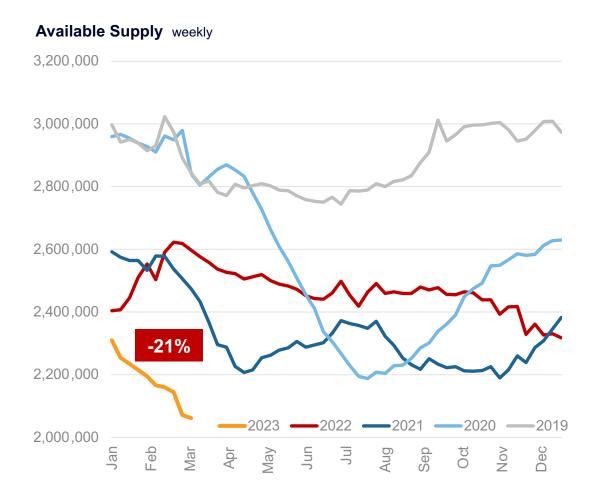
Rolling 30 Day Retail Sales weekly





Used-Vehicle Inventory | Down 21% or 536K From Last Year

Days of supply down 21% from last year – entering spring selling season much leaner

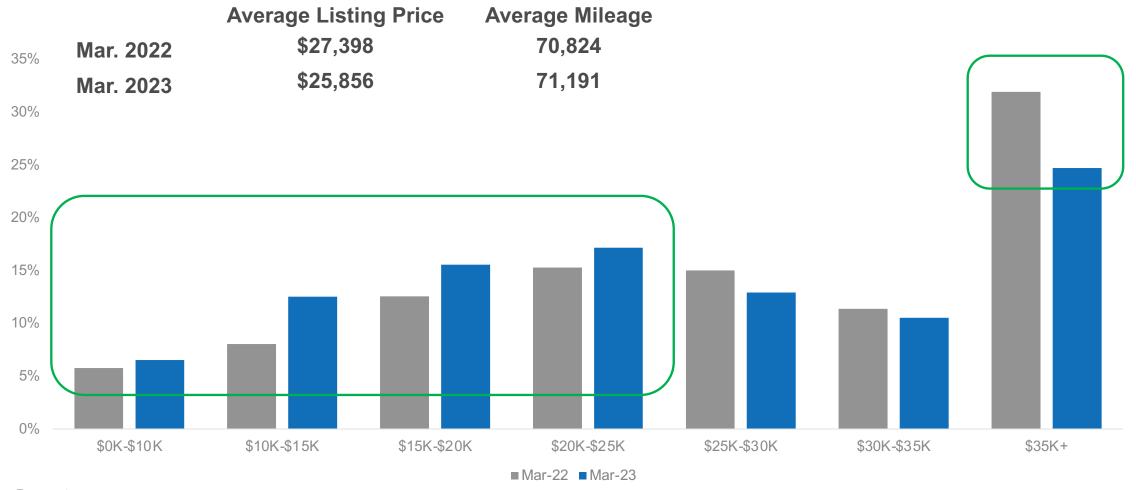






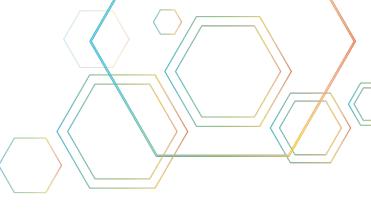
Retail Inventory | A Reversal In Price Mix From Higher To Lower In Q1 2023

Price buckets showing more favorability to lower end; YoY price down \$1,542 in March with similar mileage.

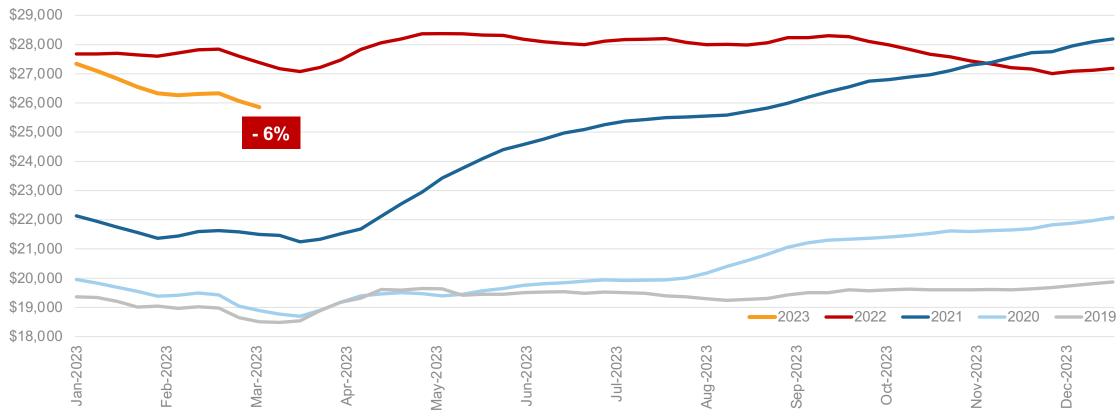


Used-Vehicle Listing Price | Down 6% From Last Year

Historically, winter weakness is normal – spring buyers usually reverse the trend



Average Listing Price weekly



Price Movement | Retail Used Now Exceeding Wholesale

Retail index price increased 0.5% last week while Wholesale index price increased 0.4%



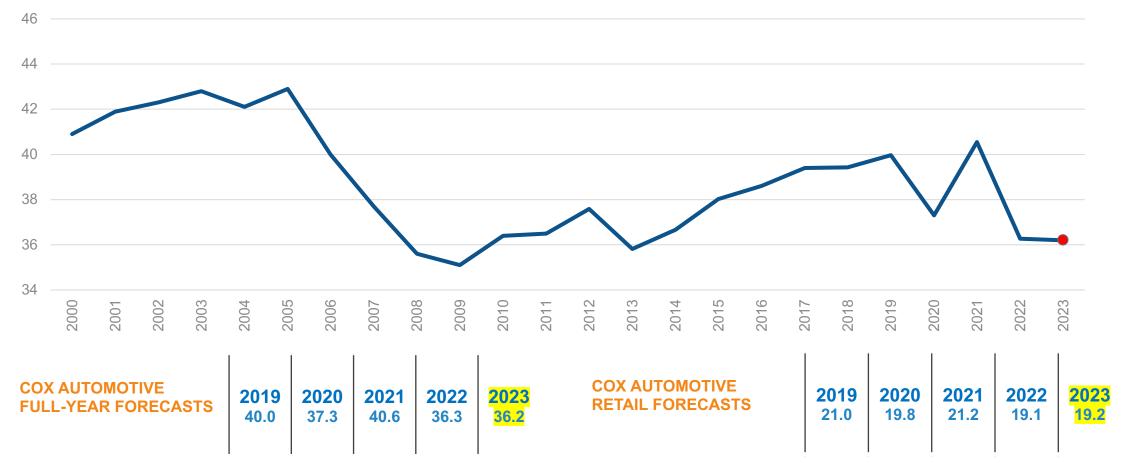




Used-Vehicle Outlook | Nearly flat sales expected for 2023 vs. 2022

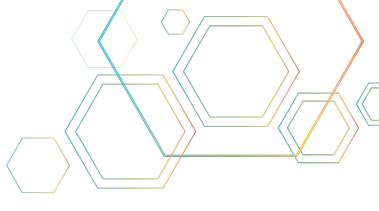
Strong start to the year, lower prices since last fall, and more tax refunds out earlier help support sales.

USED-VEHICLE SALES OUTLOOK (MILLIONS)

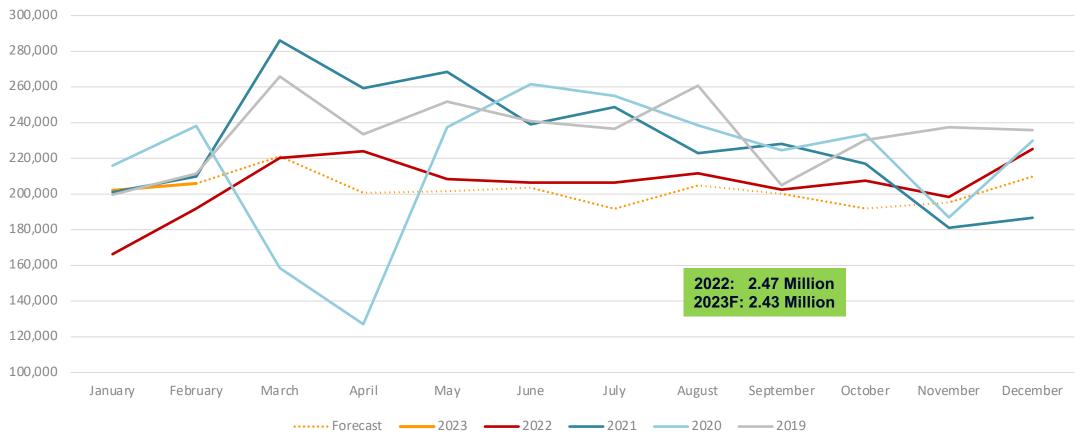


Monthly CPO Sales | Strong Start In 2023 – Up 14%

Outlook facing major headwinds – limited supply of off-lease vehicles in coming years



CPO Monthly Sales









Charlie Chesbrough

Senior Economist

New-Vehicle SAAR | Q1 Improves Over Last Year

March to finish near 14.1 million pace – Q1 pace up nearly 1.0 million units over Q1 2022





<u>Sales</u> Millions	SAAR Millions
1.26	13.6
1.30	14.1
3.2%	3.7%
3.30	14.1
3.59	14.3
3.48	15.0
5.6%	5.8%
(-3.0%)	4.3%
40.0	
13.8	
14.2	Updated Forecast
3.30%	
	Millions 1.26 1.30 3.2% 3.30 3.59 3.48 5.6% -3.0% 13.8



OEM Performance | Most Show Gains Over Last Year

GM takes Q1 sales lead, but Tesla gains the most market share

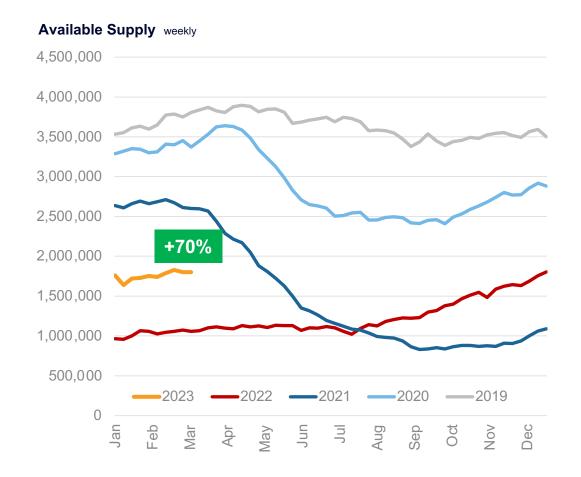


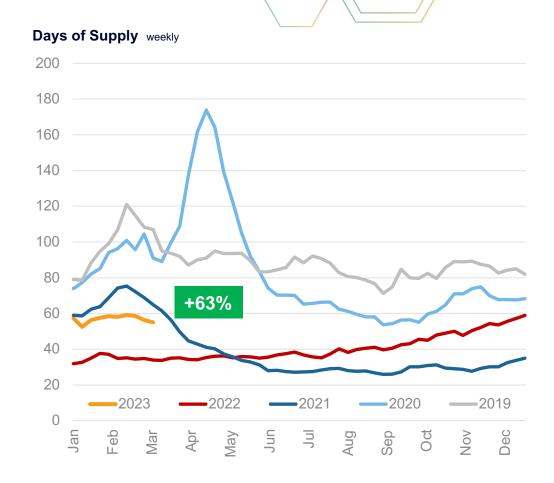
OEM	Q1 2022	Q4 2022	Q1 2023	Change v Q1'22	Change v Q4'22	Share CY2022	Share Q1 2023	Difference
General Motors	509,122	618,692	587,020	15.3%	-5.1%	16.3%	16.7%	0.4%
Ford	429,174	479,769	477,755	11.3%	-0.4%	13.3%	13.6%	0.2%
Toyota	514,592	536,740	464,530	-9.7%	-13.5%	15.2%	13.2%	-2.0%
Hyundai	322,593	386,898	364,521	13.0%	-5.8%	10.6%	10.3%	-0.3%
Stellantis	405,221	347,669	359,830	-11.2%	3.5%	11.1%	10.2%	-0.9%
Honda	266,418	255,250	265,880	-0.2%	4.2%	7.1%	7.5%	0.5%
Nissan-Mitsubishi	227,481	211,768	230,190	1.2%	8.7%	5.9%	6.5%	0.7%
Tesla	129,743	131,574	180,993	39.5%	37.6%	3.8%	5.1%	1.4%
Volkswagen	113,540	143,979	143,185	26.1%	-0.6%	4.0%	4.1%	0.0%
Subaru	132,346	155,466	142,897	8.0%	-8.1%	4.0%	4.1%	0.0%
Mazda	82,268	79,517	84,927	3.2%	6.8%	2.1%	2.4%	0.3%
BMW	80,590	112,057	82,651	2.6%	-26.2%	2.6%	2.3%	-0.3%
Daimler	75,939	88,493	79,535	4.7%	-10.1%	2.5%	2.3%	-0.3%
Geely	24,267	32,655	28,179	16.1%	-13.7%	0.8%	0.8%	0.0%
Tata	18,193	21,806	21,122	16.1%	-3.1%	0.5%	0.6%	0.1%
Rivian	1,227	8,054	8,145	563.8%	1.1%	0.1%	0.2%	0.1%
Lucid	460	1,060	1,344	192.2%	26.8%	0.0%	0.0%	0.0%
NATION	3,333,174	3,611,447	3,522,703	5.7%	-2.5%	100.0%	100.0%	0.0%

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New-Vehicle Inventory | Now Up 70% From Last Year

Supply noticeable higher – nearly 740K more vehicles than year ago





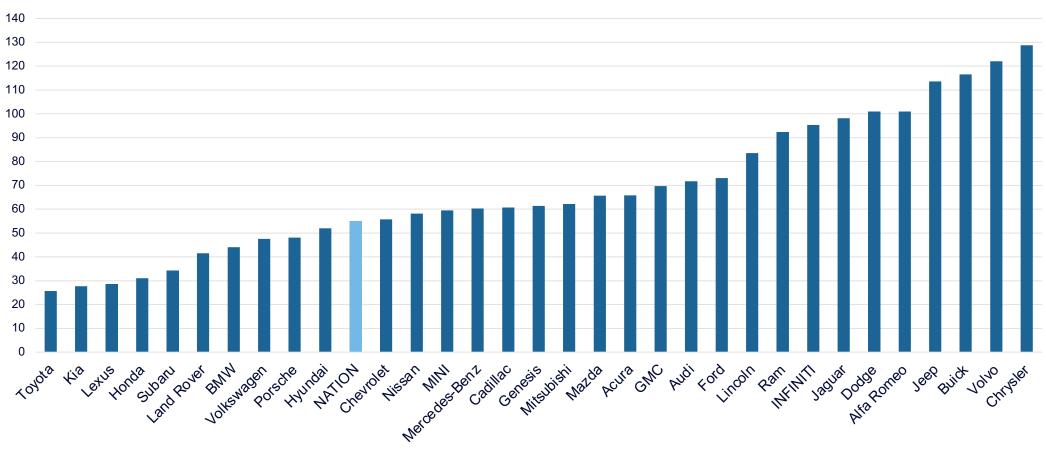


Brand Inventory | Supply Situation Varies

Detroit 3 brands returning to pre-covid levels while many Asian brands remain tight



Days Of Supply





Seller's Market | Strong Margins Now Weakening

Discounting and negotiating still way down – but changing

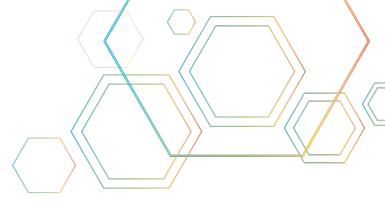




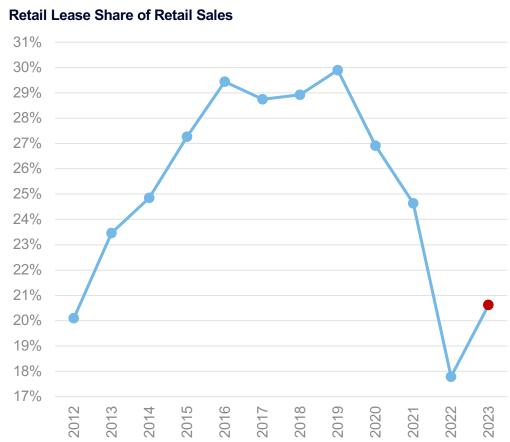


Sales Channels | More Fleet and Lease Expected

Constrained supply kept sales low - offers future opportunities for OEMs



Fleet Share of Total Sales 20% 19% 18% 17% 16% 15% 14% 13% 12% 2015 2016 2018 2019 2023 2020 2021 2022

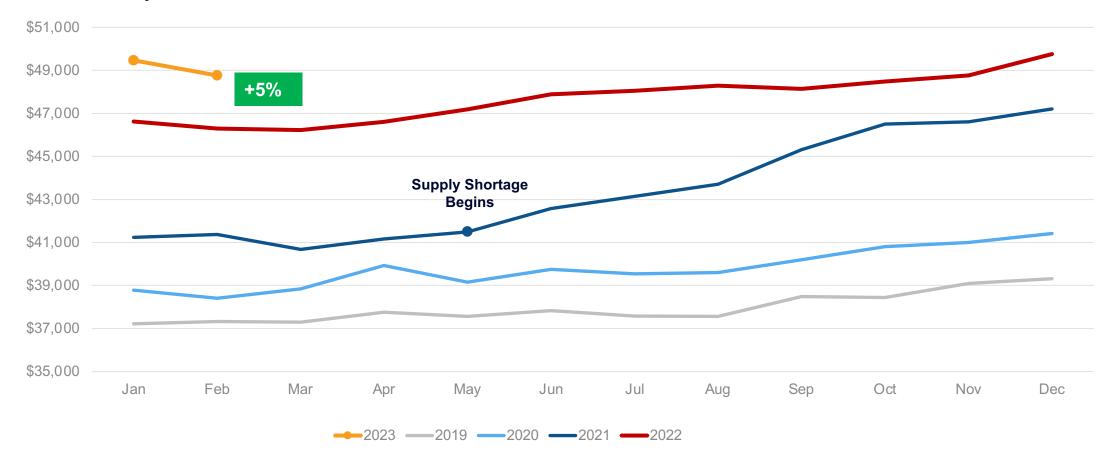




Transaction Prices | Average Up 5% vs 2022, Near \$49,000

Inflation slowing since 2021 but no retreat - more expensive mix likely to continue

Estimated Monthly Transaction Prices

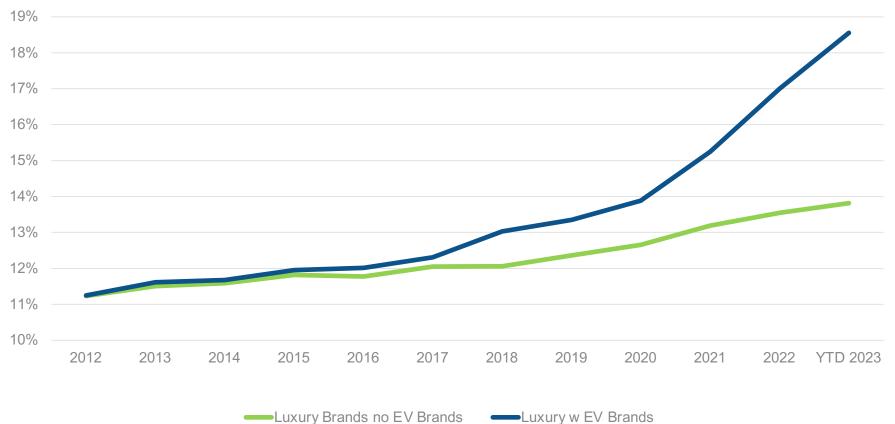




Luxury Brand Share | Rising Post Covid

Higher-end brands gaining, but Tesla is clearly a significant force

Luxury Brands' Share of US Sales





MSRP <\$30,000

2012: 54% 2019: 31% 2022: 14%

MSRP >\$50,000

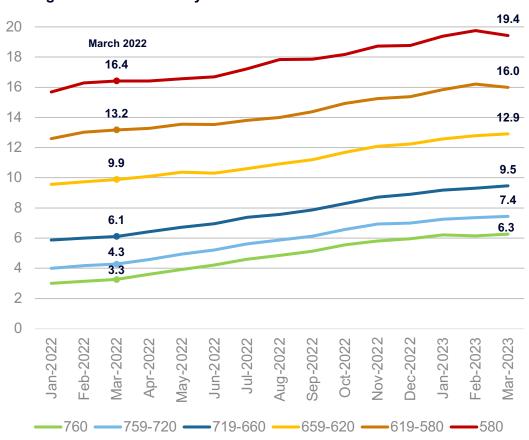
2012: 6% 2019: 26% 2022: 39%



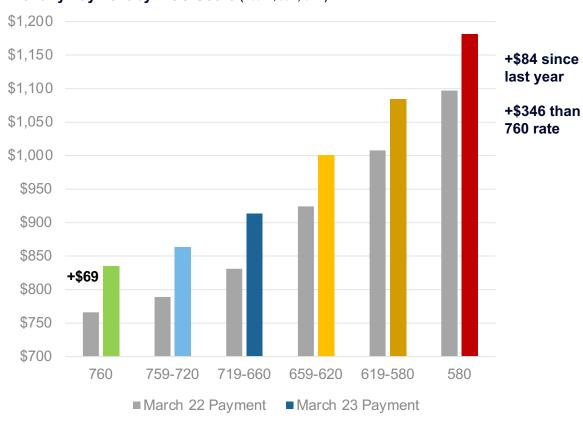
New-Vehicle APR | Rising Rates Impacting Payments

All monthly payments higher but lowest credit buyers hit hardest





Monthly Payment by FICO Score (Loan \$50K, 6YR)

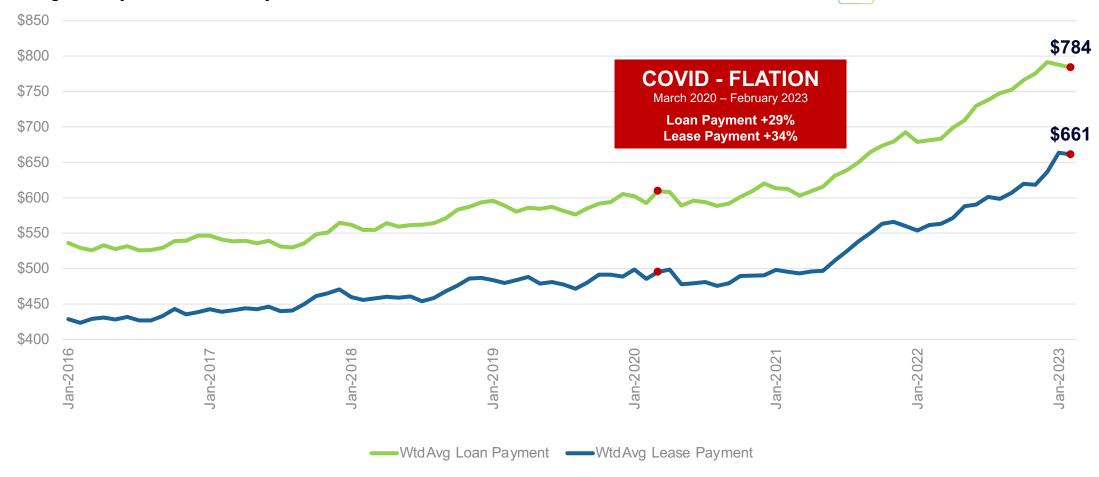




Monthly Payments | Average Loan = \$784, Lease=\$661

Lease payment rising more post Covid - rising interest rates will push both even higher



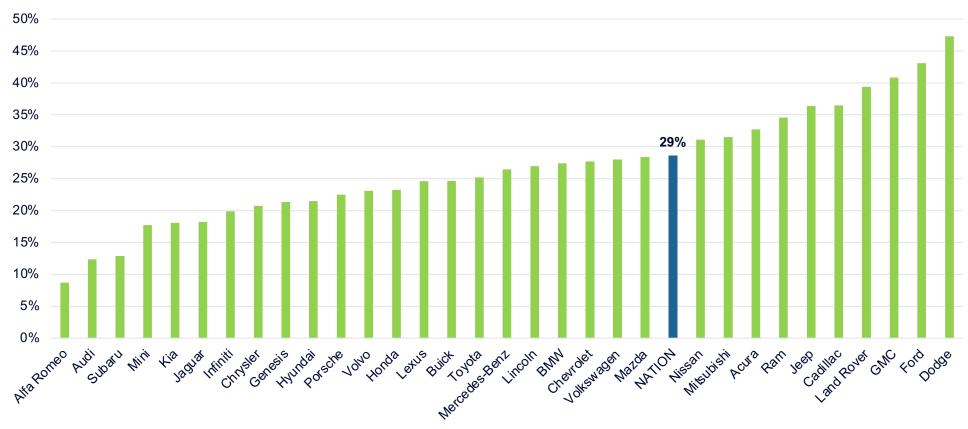




Change In Payments | Detroit Brands Have Largest Increases

Many brands show more mild inflation – may be less vulnerable to worsening conditions











Jonathan Smoke

Chief Economist



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10 PREDICTIONS FOR 2023



A Slow-Growing Economy Will Place Pressure on the Automotive Market.



Vehicle Affordability Will Be the Greatest Challenge Facing Vehicle Buyers.



New-Vehicle Inventory Levels Will Continue to Increase.



All-Cash Deals Will Increase to Levels Not Seen in Decades.



Total Retail Vehicle Sales Will Increase Slightly in 2023



Dealership Service Operations Volume and Revenue Climb.



Sales of Electric Vehicles in the U.S. Will Surpass 1 Million Units for the First Time.



Half of Vehicle Buyers Will Engage With Digital Retailing Tools.



2023 Will Be The Last Year Used-Vehicle Prices See Above-Normal Depreciation



Federal Incentives Will Encourage More Fleet Buyers to Consider Electrified Solutions.

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12.0M
NEW RETAIL SALES

New

2.2M FLEET SALES

(2022: 1.8M)

2023 FORECASTS Q2 Update (original 2023: 14.1M)

2.5M

14.2M

NEW SALES

NEW LEASE VOLUME

21%

(original 2023: 11.9M)

LEASE PENETRATION

2.4M CPO SALES

(original 2023: 2.2M)

New

(2022: 2.3M)

36.2M USED SALES

(original 2023: 35.6M)

19.2M USED RETAIL SALES

(original 2023: 18.9M)

(2022: 19%)

New



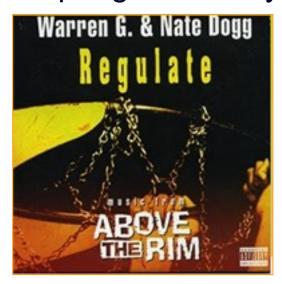
New

+1.6%

USED VEHICLE VALUE INDEX

(original 2023: -4.3%)

Spring 2023 Playlist



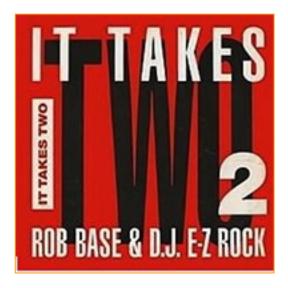
Regulate
By Warren G and Nate
Dogg

For the banking crisis



Say No Go By De La Soul

For credit tightening



It Takes Two
By Rob Base and
DJ EZ Rock

For replacing a supply problem with a demand problem



It's Tricky
By Run DMC

For forecasting the rest of the year





More Auto Industry Data and Insights from Cox Automotive

The go-to source for insights based on the largest breadth of first-party data in the automotive ecosystem

Cox Automotive Newsroom: www.coxautoinc.com/newsroom/

Fresh content from Chief Economist Jonathan Smoke and the Industry Insights team is published regularly.

Auto Market Snapshot: <u>www.coxautoinc.com/marketsnapshot</u>

This dashboard is a one-stop dashboard for the most recent data points our team is tracking.

From the Newsroom: www.coxautoinc.com/signup

The Cox Automotive biweekly newsletter, published every other Tuesday, is a round-up of news from Cox Automotive and perspectives from its analysts and experts on topics dominating the automotive industry.





Thank you for attending!

Contact us with questions or to speak with one of our experts:

Dara Hailes

Senior Manager Cox Automotive Corporate Communications dara.hailes@coxautoinc.com

Mark Schirmer

Director
Cox Automotive Corporate Communications
mark.schirmer@coxautoinc.com

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