

## THE POWER OF COX AUTOMOTIVE

Harnessing the power of connected data for game-changing results

## Cox Automotive

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FYUSION $\square$ Kelley Blue Book

(11) Manheim

NEXTGGEAR
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## CONSUMER SPENDING SLOWING BUT STILL STRONG IN TRAVEL

Total spending in mid-March was up 12\% y/y with strength in travel, dining out, and services
Y/Y Spending \% Change for Week Ending March 18, 2023


## CONSUMER SENTIMENT DECLINED IN MARCH

The Index of Consumer Sentiment increased 3.2\% in February but declined 2.2\% in March
Morning Consult Index of Consumer Sentiment vs. Average Price of Unleaded
MCICS AAA Ave Unleaded \$ (RH Axis)


## CONTINUING CLAIMS AT 1.82 MILLION NATIONALLY



## RETAIL VEHICLE SALES ESTIMATES

Compared to last year, new sales last week were up 10\%, and used sales were down $6 \%$
Retail New Sales

- $2021-2022-2023$

Retail Used Sales
-2021 - 2022 - 2023


## SUPPLY TIGHTER SO FAR IN 2023

New supply up 21 days y/y and unchanged from February; used supply down 9 days y/y and down 3 days from February

## New Days' Supply

- $2019-2020-2021-2022=2$

20.0
0.0

Used Days' Supply
-2019 $2020-2021-2022=2$
100.0


## TAX REFUND AMOUNTS DOWN SUBSTANTIALLY

9\% less has been disbursed compared to last year, and the average refund is down $11 \%$
Cumulative Refunds Issued and Ave Refund Amount by Week
Cumulative Refunds Issued and Ave Refund Amount by Week
(week 12 was week ending March 24, 2023)
(Wumulative Ave Refund $2019 \quad$ Cumul ative Ave Refund $2022 \quad$ Cumul ative Ave Refund 2023
250.000



## NEW EV SALES HIT CRITICAL MASS

Through Q1, EV sales are 6.7\% of all New Vehicle Sales, rapidly increasing as a segment


## EV PRICE PREMIUM DECLINES AGAINST INDUSTRY

The EV premium continues to decline, as overall new vehicle prices increase


## CONSUMER PURCHASES OF RETAIL USED EVS

Retail EV sales increase rapidly with consumer adoption, +32\% Y/Y and +120\% vs Q1 2021


## KELLEY BLUE BOOK INSTANT CASH OFFERS: EV'S



## WHOLESALE EV TRANSACTIONS

EV sales at wholesale continue to grow rapidly, +40\% Y/Y and +82\% vs Q1 2021



## MANHEIM USED VEHICLE VALUE INDEX

## Concept

A single measure of used vehicle price change that is independent of underlying segment shifts in the characteristics of vehicles being sold

## Steps

1. All Manheim U.S. sales
2. Classify by market segment
3. Account for differences in mileage
4. Weight to provide smoother segment mix
5. Seasonally adjust

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## WHOLESALE VEHICLE VALUES RISE IN MARCH, BUT ARE SLOWING

Prices in March increased 1.5\% from February but were down 2.4\% from March 2022.


## YEAR-OVER-YEAR PERFORMANCE NEARING PARITY WITH 2022

Year-over-year price differences have been shrinking in 2023 with strong Q1 at auction.


## SEASONALLY ADJUSTED PRICE LOSING STEAM AT START OF CALENDAR SPRING

While adjusted prices led non-adjusted since December, adjustment impact is narrowing.<br>——Seasonally Adjusted Price ——Non-Seasonally Adjusted Price



## WHOLESALE PRICE VS. KBB NEW ATP



## AFFORDABILITY STILL SUPPORTING CARS, WITH PICKUPS SURPRISING TO THE UPSIDE

Spring Market strength a reversal from Q4 2022 declines; Luxury cars have largely lagged other segments
Percent Change in Manheim Index Year Over Year March 2023


## WHOLESALE PERFORMANCE, U.S. VERSUS CANADA

Since December, U.S. Index outpacing Canada Index by 0.8\% through March.<br>—US Index ——CAN Index




MMR RETENTION \& SALES CONVERSION
Sales Conversion peaked in early March as MMR Retention hit a high one week later



## OVERALL WHOLESALE MMR VALUE TRENDS

Values began rising more quickly at the start of the year then tapered

## Overall MMR Index Trends <br> (All Model Years)

Weekly Change in Resale Value All Model Years

Q1 Weekly Trends were higher than average through February then cooled


■2023 ■ 14-19 Avg

## MMR RESALE VALUE TRENDS BY AGE

In 2023, appreciation in the 3YO and 4YO outpace other age groups

## 2023 MMR Index by Week



## 1 YO MMR INDEX \& RESALE VALUE TRENDS

Resale Values for the near new unit are higher than any point in history



## 3YO MMR INDEX \& RESALE VALUE TRENDS

3 YO resale values have been rising steadily and are just under 2022 values



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## CALE CLIMBS HIGHER IN Q1 WITH VALUES

Lease equity continues to remain elevated, giving lease customers options
CALE Historical View (36-month term)


_MY17 MY18 - - MY19 M M M $\quad$ MO

## COMMERCIAL SUPPLY INCREASES

Commercial Check-Ins to Auction continue to run higher Y/Y driven by Repo and Off-Lease





## RETENTION VALUES AT AUCTION

While retention values are below last year, they continue to remain elevated


## RENTAL RISK AVERAGE AUCTION PRICES



## RENTAL RISK VEHICLE VARIETY REPRESENTED IN SALES

Configuration count much higher as de-fleeting of older, auction-purchased units return.

|  | 2021 Q1 | 2022 Q1 | 2023 Q1 |
| :---: | :---: | :---: | :---: |
| Number of unique year, <br> make, model, body <br> configurations sold | 3,149 | 2,976 |  |
| Share accounted for top <br> 10 YMMB | $12.0 \%$ | $18.1 \%$ | 1,263 |
| Share accounted for top <br> $25 ~ Y M M B ~$ | $22.6 \%$ | $30.8 \%$ | $1.4 \%$ |
| Number of YMMB to <br> reach 50\% share | 117 | 68 | $20.5 \%$ |

## RENTAL RISK AVERAGE MILEAGE



## RENTAL RISK SALES CONDITION

Very similar to Q2 of 2022, with little change from Q4 2022 to Q1 2023.


## RENTAL RISK SALES BY MAKE



## RENTAL RISK SALES BY VEHICLE SEGMENT

Trend from Q3 2022 remains intact - SUVs down, Vans, Pickups, and Midsize cars gain.


## MANHEIM INSIGHTS ON TOP VOLUME VEHICLES

Price trends on top-selling vehicles in March at Manheim showed mostly increasing values for the month

| Rank | Source(Rank) | Category | Subcategory | Vehicle | 3-Apr | Past 30 Days | Last Year | Current Dep | L12M Dep/Mo |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | All | SUV | SUV Midsize | 2020 FORD EXPLORER 4WD 4C 4D SUV XLT | \$32,300 | \$31,900 | \$38,400 | 1.3\% | -1.3\% |
| 2 | All | SUV | SUV Midsize | 2020 CHEVROLET EQUINOX FWD 4D SUV 1.5 LT | \$21,500 | \$21,700 | \$24,300 | -0.9\% | -1.0\% |
| 3 | All | Compact Car | Compact Car Premium | 2020 TOYOTA COROLLA 4D SEDAN LE | \$17,950 | \$17,650 | \$19,850 | 1.7\% | -0.8\% |
| 4 | All | Compact Car | Compact Car Premium | 2021 TOYOTA COROLLA 4D SEDAN LE | \$20,600 | \$20,300 | \$22,700 | 1.5\% | -0.8\% |
| 5 | All | Compact Car | Compact Car Premium | 2020 HYUNDAI ELANTRA 4D SEDAN SEL | \$16,250 | \$16,200 | \$18,800 | 0.3\% | -1.1\% |
| 1 Dealer | Dealer | Compact Car | Compact Car Premium | 2021 TOYOTA COROLLA 4D SEDAN LE | \$20,600 | \$20,300 | \$22,700 | 1.5\% | -0.8\% |
| 1 Lease | Lease | SUV | SUV Midsize | 2020 FORD EXPLORER 4WD 4C 4D SUV XLT | \$32,300 | \$31,900 | \$38,400 | 1.3\% | -1.3\% |
| 1 Rental | Rental | Midsize Car | Midsize Car Premium | 2020 TOYOTA CAMRY 4C 4D SEDAN LE | \$20,100 | \$19,700 | \$23,500 | 2.0\% | -1.2\% |

## WHOLESALE USED PRICES NOW DECLINING, RETAIL INCREASING

The average MY 2020 wholesale price declined 0.2\% last week, average retail price increased 0.3\%
MY 2020 Retail and Wholesale Price Indices


## WHOLESALE FLOWS BOTTOMED IN 2022

After 13\% decline in 2022, the wholesale market should see a slow and gradual recovery to 2018 levels by 2028

Estimated Wholesale Volumes by Inflow Channel (Annual Volume)


## ON-SITE PHYSICAL AUCTION MARKET DOES NOT FULLY RECOVER

With gradual shift to more transactions offsite and fully digital, onsite volumes in 2028 expected to be $20 \%$ below 2019

Wholesale Onsite/Physical vs. Offsite

■ OnSite/Physical Offsite Digital


## REPOS DIP IN 2020-2021 FOLLOWED BY SLOW RECOVERY

Near term limited by smaller subprime loan base; longer term expects normal default rates by credit tier


## OFF-LEASE RETURNS COLLAPSED WITH RECORD VALUES

Return rate hit historical low of $11 \%$ in 2022 vs. 62\% in 2019; now lease maturities are falling Off Lease Returns


## DEALER VOLUMES PEAKED IN 2021; NOW CHALLENGED BY DECLINE IN OFF-LEASE

Off-lease arbitrage and record retail sales powered 11\% jump in dealer consignments in 2021
Estimated Dealer Volumes


## RENTAL VOLUMES RECOVERING WITH IMPROVING SALES INTO FLEET

Total fleet size expected to return to pre-pandemic levels by 2027 as share of new market recovers
Estimated Rental Volumes


USED VEHICLE VALUE OUTLOOK NOW STRONGER FOR 2023

Strong start followed by weaker spring and summer leads to a close to average year on Manheim Index

Y/Y \% Change Manheim Index, As Of December


## FORECAST RANGE NEEDED WITH RECESSION 50/50

Minimal upside potential with most likely outcome between soft landing and recession


## EV \& HYBRID VOLUME FORECAST | 4.4 MILLION BEVS BY 2027

Gains in hybrids only temporary as only pure EV growth expected to continue

Propulsion System Forecast




## MORE AUTO INDUSTRY DATA AND <br> 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: www.coxautoinc.com/marketsnapshot
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.


