

Automotive Industry

The pricing puzzle - Twisted rate logic may = higher auto price...#3 in a long series

Industry Overview

Our conclusion: cut rates to drive lower auto prices

Profits for automakers and auto dealers are essentially at record highs because of tight supply, which is very good for the OEM and dealer profits. This is largely because of COVID induced supply chain disruptions, but higher rates appear to be adding to the supply shortage as well. Specifically, if you want pricing to decline for new vehicles to help overall inflation, lowering rates would be the better path to take in our view. This would drive higher sell through demand of new vehicles in turn increasing structural supply, which is currently tight and a major factor keeping auto pricing high.

Auto supply is structurally short

There is an extreme focus on short-term supply, which is new vehicle inventory on dealer lots. This is tight, but slowly normalizing. We think there should also be an equal or possibly greater focus on the supply/population of used vehicles on the road, about 280mm. This should be even more acute for the 1–6-year-old used vehicles (**Exhibit 2**), which are a close substitute for new vehicles and whose prices (residual value) have the highest impact on new prices. This is simply because a consumer typically trades in a used vehicle when buying a new vehicle, which a key component in the down payment (+/-).

New demand is finally getting filled, but not taking off

The US new vehicle SAAR is running 15.4mm YTD, above our current US SAAR estimate for 2023 of 14.3mm. This appears to be a combination of still good retail demand as well as fleet demand finally getting filled. It is important to understand that fleet sales, have gone largely unfulfilled since early 2020 when COVID hit and is finally now getting new vehicles (**Exhibit 1**). For the better part of the last three years fleets have not been able to get many new vehicles. In fact, fleets have been buying in the secondary market largely in auctions where typically they are sellers. Think about how tight the current auto market is. Fleets that typically buy new vehicles, operate them for some time, and then sell them in auctions, have instead been big buyers at auctions. The market is so out of whack that the supply function in the used market has switched to part of demand. This is just now beginning to return to normal and is likely to support a material recovery in new vehicle demand which we expected in 2024 but may be happening now.

Destroying new demand, shrinks supply, increasing price

In a capital goods industry like autos, housing, industrial manufacturing, etc., if you shrink the capital base's (supply) feeder stock (fulfilled new unit demand), it tightens structural supply (base of used vehicles, especially 1–6-year-old vehicles). This is a multi-year phenomenon in the auto industry because of COVID induced supply shocks. It will take several years of much higher fulfilled demand to increase the supply enough to materially weaken pricing. Therefore, based on our current estimates, it does not appear that the important 1–6-year-old car population will grow meaningfully until 2025+. This means extreme like for like price pressure will not emerge until 2025+.

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SAAR = Seasonally Adjusted Annual Rate

Fleet sales = rental/commercial /government

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Who Makes the Car: Who Makes the Car of the Future – 2023

The pricing puzzle – Dealer GPUs are a key piece and buffer...#1 in a long series

The pricing puzzle-structural undersupply supports pricing...#2 in a long series

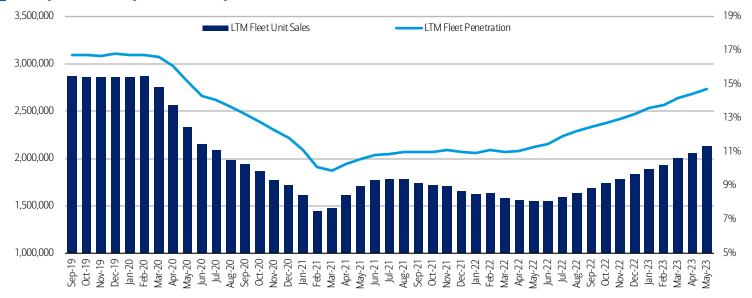
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Exhibit 1: Fleet sales staging a recovery following three years of unfilled demand

According to TrueCar, In 2019 LTM fleet unit sales for the industry were tracking around 2.8mm, making up ~17% of total units sold. During the pandemic form April 2020 to December 2022, LTM fleet unit sales for the industry averaged ~1.8mm, making up 12% of total units sold. Fleet sales are now staging a recovery with May 2023 registering ~240k units, the highest level since February 2020, making up ~16% of total units. We note that from 2010-2017 fleet penetration averaged ~19% and in strong months was as high as ~23% according to data from AutoNews.

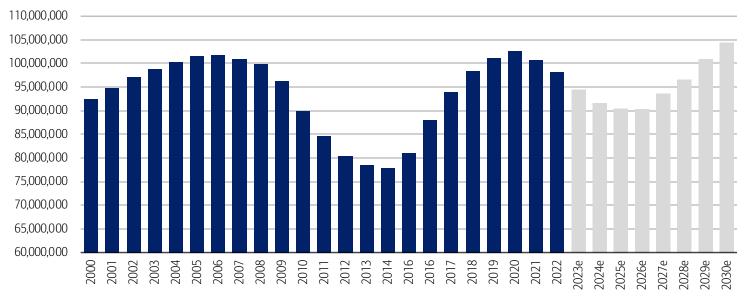


Source: TrueCar, AutoNews, BofA Global Research

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Exhibit 2: 1-6-year-old vehicle population expected to continue to shrink

Based on our current estimates, it does not appear that the 1-6 year old car population (simply a function of the last 6 years of new sales) won't recover until 2026+



Source: WardsAuto InfoBank, BofA Global Research

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