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Forecast Meter

Sales & Production Summary and Forecast (Updated 1/20)

<table>
<thead>
<tr>
<th>2021-2022 Sales, ¹ Extended Sales Forecast ² and Production Forecasts ³</th>
<th>U.S. Sales &amp; Forecasts</th>
<th>North American Production</th>
</tr>
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<tbody>
<tr>
<td>January '22</td>
<td>991,156 (-10% YoY)</td>
<td>1,111,390 (-4% YoY)</td>
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<tr>
<td>February '22</td>
<td>1,052,524 (-11.8% YoY)</td>
<td>1,112,429 (-1% YoY)</td>
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<tr>
<td>May '22</td>
<td>1,104,993 (-23.8% YoY)</td>
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</tr>
<tr>
<td>June '22</td>
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<td>1,259,515 (+13.8% YoY)</td>
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<tr>
<td>July '22</td>
<td>1,129,371 (-8.4% YoY)</td>
<td>977,485 (+7% YoY)</td>
</tr>
<tr>
<td>August '22</td>
<td>1,128,200 (-7% YoY)</td>
<td>1,413,262 (+29 %)</td>
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<tr>
<td>September '22</td>
<td>1,112,245 (+3.9% YoY)</td>
<td>1,258,501 (+38% YoY)</td>
</tr>
<tr>
<td>October '22</td>
<td>1,151,774 (+13.8% YoY)</td>
<td>1,299,707 (+12.4% YoY)</td>
</tr>
<tr>
<td>November '22</td>
<td>1,120,067 (+6% YoY)</td>
<td>1,200,244 (+5.5% YoY)</td>
</tr>
<tr>
<td>December '22</td>
<td>1,263,268 (+4.9% YoY)</td>
<td>1,074,938 (+3.4% YoY)</td>
</tr>
<tr>
<td>January '23</td>
<td>1,033,002 (+4.2% YoY)</td>
<td></td>
</tr>
<tr>
<td>2022 Full Year</td>
<td>13.7 million units (WardsIntelligence)</td>
<td>14,721,053 (+9.8% YoY) (U.S. 10,019,791)</td>
</tr>
</tbody>
</table>

North American Production And U.S. Light Vehicle Sales
U.S. Light Vehicle Sales Outlook (Updated 2/3)

Wards Intelligence Outlook (2/3) “: “Although still lean overall with what is available skewed toward pricier vehicles, rising inventory bodes well for sales. And what could continue as a trend, now that available production is rising as supply-chain issues – especially the semiconductor shortage – continue to improve, is a higher mix of affordable vehicles on dealer lots.

“For the first time since last April, the inventory mix for luxury-priced cars, CUVs and SUVs, plus fullsize trucks – also high-priced, as well as the least fuel efficient among major segment groups – fell below 50%. Although the share fell below the halfway point by just a smidgeon to 49.9%, it was the third straight month-to-month decline since 53.6% in October. The inventory share of that grouping typically ran between 35% and 40% prior to the pandemic.

“Along with indications automakers are increasing incentives, pricing relief in the form of more less-costly vehicles on dealer lots – even if the mix does not increase - could start to pull more buyers into the new-vehicle market. On the flip side, a primary barrier to higher demand, even if affordability of what is available improves, is an economic recession, or consumers’ fear of it.

“Initial modeling for February calls for sales of 1.09 million units, 4.2% above the year-ago month. The seasonally adjusted annual rate works out to 14.3 million units, well below January’s 15.7 million, but a healthy increase on like-2022’s 13.7 million. However, Wards Intelligence puts more upside risk than downside to that outlook.

“The first quarter is tracking to a 14.6 million-unit SAAR, up from the previous quarter’s 14.3 million and year-ago’s 14.0 million.

“Inventory is expected to increase at the end of February from January and rise again in March.”
North American Production & Inventory Outlook (Updated 2/3)

“Wards Intelligence Inventory Outlook (2/3)”: “And what could continue as a trend, now that available production is rising as supply-chain issues – especially the semiconductor shortage – continue to improve, is a higher mix of affordable vehicles on dealer lots. . . . Inventory is expected to increase at the end of February from January and rise again in March.”

Wards Intelligence Production Outlook (1/20) #: “Economic headwinds are putting downward pressure on the North American market, which, on top of ongoing supply challenges, means growth in vehicle production could weaken despite lean inventory and huge pent-up demand built up over the past three years.

“A reduction in forecast demand to below 15 million light vehicles in the U.S. in 2023 is mostly behind a cut in the Q1 production tracker, while a December underbuild indicates some lingering volatility in the supply chain. Lower production also lengthens the period that plants still underutilized since the pandemic/supply-chain disruptions started in 2020 remain in that state.

“Automakers are tracking to build 3.93 million light vehicles and medium-/heavy-duty trucks in Q1, 54,800 fewer compared with month-ago’s outlook for the period. The total is 8.2% above January-March 2022, but 10.3% below same-period 2019, the year prior to the pandemic.

“Fourth-quarter 2022 light-vehicle capacity utilization of 75.6% was a strong increase from like-2021’s 70.6%. First-quarter 2023 capacity utilization is tracking to 82.4%, up from year-ago’s 78.3%, and highest for any quarter since Q1-2021’s 82.5% But with demand now in question in 2023, unused capacity will remain a factor which could lead some automakers to trim available production through slower line rates, shift cuts or plant closures for “indefinite” periods.”
S&P Global Mobility Outlook (1/20): “North America: The outlook for North America light vehicle production was increased by 17,000 units for 2023 and reduced by 38,000 units for 2024 (and increased by 97,000 units for 2025). Despite concerns surrounding the ongoing volatility of the supply chain, most notably for semiconductors, and demand destruction amid recessionary fears, the outlook for 2023 remains mostly unchanged, with production revised upwards a modest 0.1% to total 15.08 million units. With production in the region projected to increase 5.4% in 2023, 78% of the growth is expected to come from 12 of the 101 factories with Tesla alone forecast to contribute 17.5% of the overall growth for the year. Furthermore, with plans to ramp up production at several plants for high demand vehicles, Ford is projected to account for 20.4% of calendar year growth, followed by Honda and Toyota after a weaker than expected year due to the ongoing semiconductor shortage that more adversely affected them in 2022 than in 2021. Despite global supply chain issues that are expected to gradually improve, the outlook for 2024 was revised down a minimal 0.2% totaling 15.85 million units due to numerous revisions to vehicle timings and launch curves. Further gains are expected for 2025 with the forecast revised higher by 0.6% reaching 16.48 million units.”

Market Meter

U.S. Light Vehicle Sales (Updated 2/3)

Monthly Sales (Updated 2/3)

This chart helps to put into context the monthly retail sales due to the COVID pandemic and showing the relative drop in sales compared to the 2008 financial crisis.
January Sales (Updated 2/3)

WardsIntelligence: “U.S. light-vehicle sales recorded their fifth straight year-over-year increase in January, even finishing the month slightly above expectations. January’s seasonally adjusted annual rate surged to a 20-month-high 15.7 million units, well above the prior month’s 13.4 million and same-month 2022’s 14.2 million.

“Raw volume totaled 1.033 million units, up 4.2% from January 2022’s 991,573. With 24 selling days in both periods, January’s daily selling rate of 43,042 was a gain from like-2022’s 41,316.

“The long-time high SAAR was in part caused by disruptions over the past three years to year-end seasonal trends, which impacted January’s calculation. Sales are expected to continue year-over-year gains over the remainder of the first quarter, but with SAAR levels settling in closer to roughly a 14.5-million-unit rate.

“Fleet volume is estimated to have accounted for 14% of January’s volume, including a year-over-year increase of 25%. Estimated fleet volume has been surging since June, while retail gains remain mostly in the single digits, including a 1.5% increase last month. Besides continuously rising prices, as well as higher interest rates which increase monthly payments on financed vehicles, part of the reason for the lower growth in retail is that half the mix of inventory is skewed to pricier models and trim levels. Automakers have raised production of more affordable vehicles, but a significant portion of that could be going to fleet customers.
**Fleet Sales (Updated 2/3)**

**TrueCar**: “Fleet sales for January 2023 are expected to be up 74% from a year ago and up 13% from December 2022 when adjusted for the same number of selling days.”

**J.D. Power**: “Fleet sales are expected to total 183,300 units in January, up 59.4% from January 2022 on a selling day adjusted basis. Fleet volume is expected to account for 18% of total light-vehicle sales, up from 12% a year ago.”

**Segments vs. Gas Prices (Updated 2/3)**

**Monthly Sales For January**: Light trucks accounted for 80 percent of sales in January, a .1 pp increase in market share from a year ago. Compared to the same period in 2021, sales of cars are up 7,300, and down more than 146,000 from January 2019, when cars comprised 31% of the market as opposed to the 20% of the market passenger cars have now.

**Historic Perspective**: The upward trend in the popularity of light trucks over cars has been steady since 2013, when only 2% of annual market share separated the two segments and gas was over $3.00 a gallon. As fuel prices dropped below the $3.00 mark in mid-September 2014, light truck sales began to take off. Gas prices since have averaged only $2.83 a gallon (through December 2022) and when combined with increased fuel economy for light trucks, an increase of 4 mpg since 2013, the perfect conditions existed to continue fueling light truck market growth.
EV Powertrain Sales (Updated 2/3)

Sales of electric vehicles (BEV, PHEV, & Fuel Cell) accounted for 7.85% of total vehicle sales in January 2022 (81,097) – the highest market share to date. January’s EV market share is up 2.5 pp from a year ago and up 0.01 pp from December 2022. Sales of battery electric vehicles led the way for ZEVs, accounting for 6.4% of total sales, up 2.3 pp from January 2022. Plug-in hybrids accounted for 1.4%, up 0.15 pp from the same time last year.¹⁴
Seasonally Adjusted Annual Rates (Updated 2/3)

WardsIntelligence: “January’s seasonally adjusted annual rate surged to a 20-month-high 15.7 million units, well above the prior month’s 13.4 million and same-month 2022’s 14.2 million. . . . The long-time high SAAR was in part caused by disruptions over the past three years to year-end seasonal trends, which impacted January’s calculation. Sales are expected to continue year-over-year gains over the remainder of the first quarter, but with SAAR levels settling in closer to roughly a 14.5-million-unit rate.”
Cleaner. Safer. Smarter.

Average Transaction Price (Updated 2/3)

**J.D. Power (Updated 2/3)**: “New-vehicle transaction prices continue to rise—although the rate of growth continues to slow. The average price will set a January record of $46,437, an increase of 4.2% from a year ago.” The record transaction prices means that buyers are on track to spend nearly $39.9 billion on new vehicles this month—the highest level ever for the month of January, an increase of 2.4% from January 2022.”

**Kelley Blue Book (December) (Updated 1/20)**: “The average transaction price (ATP) of a new vehicle in the U.S. hit a record high in December at $49,507, an increase of 1.9% ($927) from November and up 4.9% ($2,297) from year-earlier levels. New-vehicle inventory levels are increasing from historic lows earlier in 2022, but prices remain elevated, according to data released today by Kelley Blue Book, a Cox Automotive company. According to Kelley Blue Book calculations, new-vehicle ATPs have been above the average manufacturer’s suggested retail price (MSRP), also known as the sticker price, for more than a year.

“The average price paid for a new EV decreased in December by $3,594 (down 5.5%) compared to November and ended the year lower by 0.6%. The average new EV sold for $61,448, according to Kelley Blue Book estimates, still well above the industry average. The drop in pricing was driven by significant price cuts at Tesla, which commands more than 65% of the electric vehicle segment. Earlier in the year, Tesla was increasing prices, citing supply issues. In December, the company reversed course.”
Auto Loan Financing (Updated 2/3)

**JD Power (2/3)**: “After breaking the $700 level for the first time on record in July, the average monthly finance payment in January is on pace to be $723, up $59 from January 2022. That translates to an 8.8% increase in monthly payments from a year ago. The average interest rate for new-vehicle loans is expected to be 6.8%, an increase of 264 basis points from a year ago.”

**Interest Rates (updated 2/3)**: Interest rates remained mostly steady for the week for the 60-month, 48-month and 36-month used car loans. Rates now stand at 6.19%, 6.16%, and 6.49%, respectively. Since the beginning of 2020, 60-month rates are up 1.59 pp, and are up 2.23 pp since the same time a year ago.

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<th>Dates</th>
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<th>36-month used car</th>
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<td>2/1/2023</td>
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<tr>
<td>One Week Change</td>
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<td>0.00%</td>
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<tr>
<td>Two Week Change</td>
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<tr>
<td>Change since 1/3/20</td>
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<tr>
<td>One Year Change</td>
<td>2.23%</td>
<td>2.19%</td>
<td>2.08%</td>
</tr>
</tbody>
</table>

Crude Oil and Gas Prices (Updated 2/3)

**EIA Outlook For Gasoline (1/5)**: “We forecast U.S. retail gasoline prices will average about $3.50/gal in 2023. U.S. retail gasoline prices finished November at their lowest price since February 2022, as high refinery utilization and falling demand contributed to rising gasoline inventories, which facilitated November’s price decreases. As refineries maintain high utilization in response to high distillate margins, we expect this trend to continue and for gasoline inventories to reach five-year average levels in 2023, limiting upward pressure on gasoline prices. We expect high blend rates of fuel ethanol through 2023 as the petroleum component of gasoline remains relatively expensive compared with the price of ethanol, continuing the trend that started this summer.”

**EIA Outlook For Oil (1/5)**: “Crude oil prices: The spot price of Brent crude oil averaged $91 per barrel (b) in November. Although the average November Brent price was slightly lower than in October, daily spot prices reached almost $100/b on November 7, before ending the month at $86/b. The price declines were largely the result of market concerns about global economic growth, as well as COVID-related lockdowns in China that have reduced China’s oil demand. Brent crude oil spot prices are on pace to average $101/b in 2022. Despite the recent drop in crude oil prices, we still expect that falling global inventories of oil in early 2023 will push Brent prices back above $90/b by the beginning of the
second quarter of 2023 (2Q23). Although we expect some downward oil price pressure could emerge in the second half of 2023 (2H23) based on our forecast of rising oil inventories, that pressure will likely be balanced by the ongoing possibility of supply disruptions or production growth that is slower than our forecast. We forecast the Brent crude oil spot price will average $92/b for all of 2023.”

**Gas And Oil Holding Mostly Steady:** Oil prices, as benchmarked at West Texas Intermediate, were unchanged at $80.30 at the end of January. Since election day 2020, oil prices are $43 a barrel higher. Gas prices increased $0.07 to $3.49. Gas is 35% higher than the beginning of 2020.²²

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**Weekly Prices For Crude Oil And Regular Gasoline**

![Weekly Prices For Crude Oil And Regular Gasoline](Image)

**Production Meter**

**U.S. Light Vehicle Production (Updated 1/20)**

**WardsIntelligence (Updated 1/20)²²:** “Production in Q4-2022 totaled 3.64 million units, 7.8% above the same year-ago period and 7.1% under like-2019. Volatility in the supply chain mostly caused a 17,800-unit underbuild in December, as the final month of 2022 totaled 1.075 million units, 3.4% above like-2021. December’s results marked the 11th straight month production increased over the same year-ago period.
“With some December totals still estimated – mostly of big trucks – production in North America totaled 14.72 million units in 2022, 9.8% above 2021’s 13.41 million. The calendar-year 2022 total was the highest since 16.80 million units in 2019, and well below the most recent peak – and all-time high – 18.15 million in 2016.

“Excluding medium- and heavy-duty trucks, light-vehicle production totaled 14.18 million units in 2022, up 9.8% from 2021’s 12.92 million and highest since 2019’s 16.22 million. The last peak was 17.73 million in 2016.

**Monthly Production** (Updated 1/20)

U.S. Light vehicle production for December 2022 decreased month-over-month by 12 percent, totaling 706,721 vehicles (123,682 cars, 583,039 light trucks), year-over-year, production is up 3 percent from 2021.  

**U.S. Light Vehicle Production: Monthly 2019-2022**

**U.S. Light Vehicle Inventory and Days’ Supply (Updated 2/3)**

**WardsIntelligence Inventory Update (2/3)**: “U.S. light-vehicle inventory continued its gradual climb upward in January, rising on a sequential basis for the sixth straight month to 1.71 million units.

“The increase was 2.1% above December and 59.8% higher than the same year-ago month. Days’ supply increased to 40 from the prior month’s 36 and January 2022’s 26, but still well below the pre-pandemic norm of 80 to 85 for the month.
“Although still lean overall with what is available skewed toward pricier vehicles, rising inventory bodes well for sales. And what could continue as a trend, now that available production is rising as supply-chain issues – especially the semiconductor shortage – continue to improve, is a higher mix of affordable vehicles on dealer lots.

“For the first time since last April, the inventory mix for luxury-priced cars, CUVs and SUVs, plus fullsize trucks – also high-priced, as well as the least fuel efficient among major segment groups – fell below 50%. Although the share fell below the halfway point by just a smidgeon to 49.9%, it was the third straight month-to-month decline since 53.6% in October. The inventory share of that grouping typically ran between 35% and 40% prior to the pandemic.

“Jan. 31 inventory of domestically made vehicles totaled 1.43 million units, up 1.5% from the prior month and up 64.7% from like-2022. Days’ supply rise to 42 from December’s 38, and was up from January 2022’s 26.”
Global Meter

Global Light Vehicle Sales (Updated 2/3)

Wards Intelligence: “Global sales volume in 2022 fell slightly from the prior year, with the downturn exacerbated by a slowdown in growth toward the end of the year, including a shortfall in December which broke a string of five year-over-year increases.

“The December slide mainly was due to a second straight decline in China, which was battling a rise in Covid-19 cases, considered to have been goosed by the government’s sudden decision to end its Zero Covid policy of mandated restrictions.

“Based on the countries in Wards Intelligence’s survey, and including some estimates for December, global sales of light vehicles and medium-/heavy-duty trucks fell 1.5% in 2022 to 83.14 million units from the prior year’s 84.37 million. Except for 2020, when the Covid-19 pandemic first hit in full force and sales bottomed out at 77.18 million units, it was the lowest total since 82.96 million in 2014.”

“Global volume in December totaled an estimated 7.53 million units, down 0.6% from like-2021’s 7.58 million. It was the first decline since a 0.1% drop in June, which was the end of 12 straight downturns.

“Excluding medium-/heavy-duty trucks, light-vehicle deliveries fell 3.6% to 7.05 million units in December. For the year, LV sales fell 1.0% to 79.95 million. In 2023, Wards Intelligence partner LMC Automotive forecasts a 6% year-over-year increase in global light-vehicle sales.”
Global Light Vehicle Production (Updated 1/20)

S&P Global Mobility Forecast (1/20) 27: “As the auto industry turns the page to a new year, it continues to reckon with a dynamic supply chain environment as well as demand in various stages of recovery depending on the market. While semiconductor availability continues to gradually improve, other supply chain challenges such as labor availability and the general health of the supply chain come into greater focus. Further, demand destruction remains a key consideration with challenging macroeconomic conditions and lofty vehicle pricing in some markets being critical factors. Vehicle electrification remains a key theme for major markets with new model launches forthcoming and government intervention playing an increasingly consequential role to support deployment and consumer adoption. The January 2023 forecast update reflects a mix of upgrades and downgrades, albeit mostly modest in nature, as the industry continues to navigate lingering supply chain challenges as well nascent demand recovery in select markets. The latest forecast update reflects near-term downgrades for Japan on supply chain issues from the recent wave of COVID spread in China and some more modest revisions for Europe and Middle East/Africa. These downward revisions are partially offset by continued demand and production strength in South Asia, solid performance in South Korea and more modest upward revisions for other markets. The more noteworthy regional adjustments with the latest forecast update are detailed below:

“Europe: The outlook for Europe light vehicle production was reduced by 86,000 units and increased by 26,000 units for 2023 and 2024, respectively (and reduced by 61,000 units for 2025). While fears of production disruption related to energy inputs have abated somewhat, the flow of chips remains a constraint and there is increasing concern regarding the weight of demand on the level of output for 2023. Although sequential improvement clearly continued in Q4-2022, the sales outlook becomes critical as inventories are back to pre-semiconductor shortage levels (yet far from pre-COVID levels). We are projecting stabilization of the build pace in the near term. Given the weak base of comparison in H1, it translates into a production growth of 5% across 2023. Regarding Tesla, despite the recently announced price cuts, we have reduced our forecast with a more conservative view of the ramp-up potential for the new plant in Germany which is one of the key drivers for the overall downward forecast revision for 2023. In the absence of significant changes in the underlying forecast assumptions and drivers, the overall forecast revisions in the near-term for Europe were fairly modest with the January 2023 update. The general theme of supply chain disruption transitioning to demand concerns remains intact.

“Greater China: The outlook for Greater China light vehicle production was increased by 8,000 units for 2023 and by 100,000 for 2024 (and was reduced by 101,000 units for 2025). Since early December 2022, China has relaxed its strict Zero-COVID policy and many other restrictions giving the virus a greater chance to spread. This is leading to mounting pressure on the healthcare system in 2023. With the abrupt shift in policy, manufacturer operations have been negatively impacted due to virus spread. As we enter the new year, production and demand in the region have been impacted by both the spread of COVID infections and the timing of the Chinese New Year holidays in January. As a result,
Q1-2023 production for the region has been reduced by 489,000 units with volume losses recovered in subsequent quarters. Notwithstanding the near-term risk presented by COVID spread, the relaxing of COVID restrictions and other consumption incentives are expected to accelerate economic recovery supporting vehicle demand and industrial output starting in H2-2023, with benefits extending into 2024. As a result, the outlook for 2024 has been upgraded and now reflects 5.5% growth for the region.

“Japan/Korea: Full-year 2023 Japan production was reduced by 234,000 units relative to last month. The primary driver for the downward forecast revision includes the impact on Japanese operations due to downtime risk in China associated with the easing Zero-COVID policy by the government potentially resulting in the uncontrolled spread of the virus. Also, Japanese OEMs are expected to at least partially lose recovery opportunities with weakening pent-up demand throughout the year. The longer-term forecast volume was reduced by 3% per year. This is primarily due to the expectation for Mazda to lose momentum. We project Mazda will drop the Mazda 3 by 2028 and extend the life cycle of the current CX-30 over 10 years to secure enough development resources for the SKYACTIV EV platform and the FR SUVs. Full-year 2023 South Korea production was increased by 75,000 units relative to the previous forecast primarily supported by Hyundai Motor Group’s recently announced market expansion strategy for 2023. Throughout last year, South Korea production demonstrated remarkable resilience without significant supply chain disruptions (including semiconductors). While stable plant operation is expected to continue this year, Hyundai recently announced its 2023 global sales target of 9.8% growth. We have boosted production for the Hyundai Group to reflect stronger performance than previously expected, yet we are still short of Hyundai’s rather aggressive planning targets. In the long-term, there was no significant change to the production outlook with the exception of increases in 2026 and 2027 due to the extension of Kia Niro production.

“North America: The outlook for North America light vehicle production was increased by 17,000 units for 2023 and reduced by 38,000 units for 2024 (and increased by 97,000 units for 2025). Despite concerns surrounding the ongoing volatility of the supply chain, most notably for semiconductors, and demand destruction amid recessionary fears, the outlook for 2023 remains mostly unchanged, with production revised upwards a modest 0.1% to total 15.08 million units. With production in the region projected to increase 5.4% in 2023, 78% of the growth is expected to come from 12 of the 101 factories with Tesla alone forecast to contribute 17.5% of the overall growth for the year. Furthermore, with plans to ramp up production at several plants for high demand vehicles, Ford is projected to account for 20.4% of calendar year growth, followed by Honda and Toyota after a weaker than expected year due to the ongoing semiconductor shortage that more adversely affected them in 2022 than in 2021. Despite global supply chain issues that are expected to gradually improve, the outlook for 2024 was revised down a minimal 0.2% totaling 15.85 million units due to numerous revisions to vehicle timings and launch curves. Further gains are expected for 2025 with the forecast revised higher by 0.6% reaching 16.48 million units.

“South America: The outlook for South America light vehicle production was increased by 8,000 units and by 2,000 units for 2023 and 2024, respectively (and increased by 4,000 units for 2025). The near-term outlook was upgraded modestly and primarily focused continued observed strength with
Argentina production as momentum has not been as impacted by the uncertain conditions influencing the broader region. The production upgrades for 2024 and 2025 were similarly modest and continue to reflect a country mix shift benefiting Argentina in spite of a dynamic market environment and macroeconomic headwinds.

“South Asia: The outlook for South Asia light vehicle production was increased by 226,000 units and by 173,000 units for 2023 and 2024, respectively (and was increased by 160,000 units for 2025). The upgraded outlook for 2023 was largely driven by robust auto demand, particularly in India. In addition, automakers in the region have been able to effectively navigate tight semiconductor supplies, in part, through decontenting efforts. Going forward, chip supply is expected to improve, albeit gradually, further supporting the near-term production outlook. The forecast for 2024 was upgraded primarily on a stronger outlook for the India market. The intermediate-to-long term forecast has been revised upward with expected improvement in the domestic market, increased replacement demand and increased penetration in the rural market with automakers opening new dealerships in rural India.”

Recovery Meter

Roadway Travel (Updated 2/3)

According to the U.S. Department of Transportation, seasonally-adjusted vehicle miles traveled in November decreased 1.4% from the same time a year ago. The cumulative travel estimate for 2022 is 2,994.8 billion vehicle miles.28

- Travel on all roads and streets changed by -1.3% (-3.5 billion vehicle miles) for November 2022 as compared with November 2021. Travel for the month is estimated to be 264.2 billion vehicle miles.
- The seasonally adjusted vehicle miles traveled for November 2022 is 272.1 billion miles, a -1.4% (-3.8 billion vehicle miles) change over November 2021. It also represents a -1.1% change (-3.0 billion vehicle miles) compared with October 2022.
- Cumulative Travel for 2022 changed by +1.2% (+35.8 billion vehicle miles). The cumulative estimate for the year is 2,994.8 billion vehicle miles of travel.
Economic News (Updated 2/3)

**Manufacturing Gained 19,000 Jobs In January, While Motor Vehicles And Parts Lost 6,500.**

"Manufacturing boosted employment by 19,000 jobs in January, with non-durable goods doing the heavy lifting. ... Jobs losers among durable goods included transportation equipment, down 8,400 jobs. That included a job loss of 6,500 in motor vehicles and parts.

**The ISM Index Remains Below 50, The Third Straight Month Of Manufacturing Contraction.** "The contraction in the manufacturing economy deepened last month, the Institute for Supply Management said today. The Tempe, Ariz.-based group's manufacturing index, known as the PMI, slipped to 47.4 percent in January. That was down from 48.4 percent the month before. An index reading above 50 percent indicates economic expansion, while below 50 percent shows contraction. The index has been in negative territory for three consecutive months. The PMI has averaged 52.7 percent the past 12 months."

**Consumer Confidence and Sales (Updated 2/3)**

**Surveys of Consumers Director Joanne Hsu:** "Consumer sentiment confirmed the preliminary January reading, remaining low from a historical perspective but continuing to lift for the second consecutive month, rising 9% above December and reaching about 3% below a year ago. While the
short-run economic outlook was relatively unchanged from last month, all other components of the index increased in January. The current conditions index soared 15% above December, with improving assessments of both personal finances and buying conditions for durables, supported by strong incomes and easing price pressures. That said, there are considerable downside risks to sentiment, with two-thirds of consumers expecting an economic downturn during the next year. Notably, the debt ceiling debate looms ahead and could reverse the gains seen over the last several months; past debt ceiling crises in 2011 and 2013 prompted steep declines in consumer confidence.

“Year-ahead inflation expectations receded for the fourth straight month, falling to 3.9% in January from 4.4% in December. The current reading is the lowest since April 2021 but remains well above the 2.3-3.0% range seen in the two years prior to the pandemic. Long-run inflation expectations remained at 2.9%, yet again staying within the narrow 2.9-3.1% range for 17 of the last 18 months and remaining elevated relative to the 2.2-2.6% range seen in the two years pre-pandemic. Consumers continued to exhibit considerable uncertainty over both long and short-term inflation expectations, indicating the tentative nature of any declines.”

![Light Vehicle Sales And Consumer Sentiment Index: 2008 - January 2023](chart)

**Employment (Updated 2/3)**

Motor Vehicle And Parts Manufacturing Lost 6,500 Jobs In January.32
After a loss of nearly 350,000 employees (about 35% of the workforce) in the height of the pandemic, employment in the Automobile Manufacturing and Parts sectors raced back but is now fighting losses due to supply chain disruptions with semiconductors.33
After the recession in 2009, the auto industry was credited with being on the leading edge of the recovery, which began a ripple effect through other parts of the country. Additionally, the chart below shows how the recovery of jobs in motor vehicle manufacturing alone and motor vehicle and parts manufacturing far outpaced the recovery of manufacturing and total jobs.
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