

March 29, 2018

# **Improving US Household and Business Fundamentals Point to Higher Sales Ahead**

- Emerging markets drive global sales gains, amid temporary US weakness.
- US auto credit quality improves.
- US businesses accelerate fleet replacement, as rental industry demand begins to stabilize.

#### **GLOBAL CAR SALES ACCELERATE IN EMERGING MARKETS**

Global auto sales advanced 3% y/y in the first two months of 2018, accelerating from a 2.3% gain during all of 2017. The improvement is being led by double-digit gains in many emerging markets and reflects the strongest global economic growth since early 2014. In particular, purchases in Eastern Europe have surged 19% y/y so far this year, while volumes in South America have jumped 16% v/v.

Passenger vehicle sales in Canada have advanced 4% y/y through February, climbing to a record pace approaching an annualized 2.1 million units. The gains have been broadly-based, with volumes in Ontario powering ahead a further 5% y/y. This advance is in sharp contrast to slumping existing home sales, which have plunged 27% below a year earlier in Ontario, reducing overall volumes in Canada 11% y/y, and pulling the average Canadian home price below a year earlier for the first time in nearly a decade. Historically, Canadian auto sales and existing home purchases have tracked well together, with only temporary sharp divergences (chart 1). Given the ongoing strength in most economic indicators outside of existing home sales, we believe that the auto market provides a more accurate assessment of overall economic conditions across Canada.

Purchases also continue to gain momentum in Western Europe, advancing 4.5% y/y in the opening months of 2018, nearly double the 2.5% increase reported during all of 2017. The advance is being buoyed by the fastest economic expansion across Europe since the global economic crisis of a decade ago. Spain and Germany are leading the sales gains among the largest European auto markets this year, with year-over-year gains of 16% and 9.5% respectively.

#### US CONSUMER FUNDAMENTALS CONTINUE TO IMPROVE

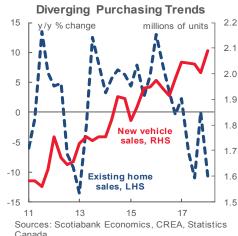
The United States has been one of the few countries to report lower passenger vehicle sales so far this year. However, we remain confident that purchases should pick up as 2018 progresses, buoyed by strengthening economic activity and improving household incomes. In particular, US auto financing trends and vehicle pricing point to a healthy, not a deteriorating, auto market. Meanwhile, fleet volumes, the major source of weakness over the past year, are beginning to stabilize as businesses replace their aging fleets and the sharp decline from the rental-car industry moderates.

US households account for 85% of all US new vehicle sales and are benefitting from the lowest unemployment rate since the tech-boom of nearly twenty years ago. Income gains have accelerated in recent months and will be

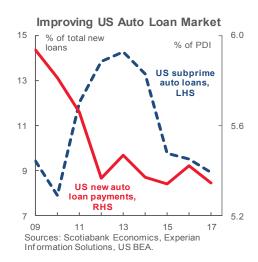
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#### Chart 1



## Chart 2





further buoyed by the US fiscal reform package which is expected to boost US GDP growth by an estimated 0.3 percentage points this year and next, while also lowering taxes for most households. In fact, data from the US Treasury Department indicate that personal tax collections have declined in the opening months of 2018, including a 26% y/y plunge in February, even as income and average hourly wage gains have accelerated. This leaves additional income in the pockets of US households at time when consumer confidence is at a 14-year high, and surveys indicate that a majority of households believe this is a good time to buy a new vehicle.

#### HIGH-QUALITY US AUTO LOANS GAIN MARKET SHARE

Data from Experian, a leading global information services company, indicate that the health of new automotive loans continues to improve in the United States, with prime and super-prime auto loans gaining market share alongside strengthening household finances. These two segments accounted for a record 74% of all new vehicle sales in late-2017, up from an average of 72.6% during the past three years. In contrast, the share of sub-prime auto loans has dropped to only 8.8%, down from a high of 10% in late-2015 (chart 2). The average credit score for auto loans and leases is also on the upswing, climbing to a four-year high in late-2017.

Highlighting the improving economic and financial backdrop, the number of delinquent US auto loans has also begun to turn down, reversing the upward trajectory that had been in place since mid-2016. According to Experian, both 30- and 60-day delinquencies declined roughly 3% below a year earlier in the final months of 2017, the largest year-over-year improvement in more than two years.

In addition, despite concerns that rising interest rates will lead to deteriorating vehicle affordability, monthly auto loan payments have increased by only USD 22 per month since US short-term interest rates bottomed in December 2015. In fact, after adjusting for ongoing gains in disposable income, auto loans absorbed a near-record low of only 5.35% of household income in late-2017, in-line with the level prevailing in late-2015 (chart 2). In contrast, when the US auto market peaked in the middle of the previous decade, auto loans absorbed more than 6% of household income.

#### RISING BUSINESS PURCHASES WILL OVERWHELM WEAK RENTAL VOLUMES

The rental-car industry was the main source of weakness in the US auto market last year, with purchases dropping 12% to 1.59 mn units. Volumes have declined an additional 3% y/y in the opening months of 2018, but impact on industry volumes is starting to be mitigated by businesses renewing their aging vehicle fleets. For example, while business volumes were flat last year, purchases have jumped 11.7% y/y in the opening months of 2018, and automakers report that ordering has strengthened even more. Excluding purchases by the rental-car industry, new US new vehicle sales were largely flat in 2017, and strengthening household and business fundamentals point to some improvement from current levels in coming months.

	INTERNAT	TIONAL CAR SAL (millions of units		(		
	1990–99	2000–14	2015	2016	2017	<u>2018f</u>
TOTAL SALES	39.20	54.89	72.61	77.25	79.02	81.57
North America*	16.36	17.85	20.64	21.01	20.70	20.93
Canada	1.27	1.62	1.90	1.95	2.04	2.00
United States	14.55	15.24	17.39	17.46	17.13	17.40
Mexico	0.54	0.99	1.35	1.60	1.53	1.53
Western Europe	13.11	13.67	13.20	13.97	14.32	14.54
Germany	3.57	3.23	3.21	3.35	3.44	3.49
Eastern Europe	1.18	3.08	3.15	3.14	3.41	3.54
Russia	0.78	1.87	1.60	1.43	1.60	1.68
Asia	6.91	17.12	32.29	36.06	37.10	38.79
China**	0.43	7.31	20.01	23.57	24.20	24.93
India	0.31	1.23	2.06	2.09	2.20	2.33
South America	1.64	3.17	3.33	3.07	3.49	3.77
Brazil	0.94	1.94	1.82	1.39	1.50	1.61

<sup>\*</sup>Includes light trucks. \*\*Includes crossover utility vehicles from 2005. Sources: Scotiabank Economics, Ward's Automotive Reports, Bloomberg.



	CANADA/US MOTO	R VEHICLE SA	LES OUTLOC	K		
	<u>1991–05</u>	2006-15	2016	2017	20	18
	Average				Jan**	Annual f
		(thousands of un	its, annualized	)		
CANADA	1,398	1,668	1,949	2,041	2,089	2,000
Cars	797	776	662	644	627	610
Domestic	583	490	439	438	425	415
Imports	214	286	223	206	202	195
Light Trucks	601	892	1,287	1,397	1,462	1,390
		(millions of unit	s, annualized)			
UNITED STATES	15.5	14.4	17.5	17.1	17.0	17.4
Cars	8.3	6.9	6.9	6.1	5.5	6.0
Light Trucks	7.2	7.5	10.6	11.0	11.5	11.4
NORTH AMERICAN		(millions of unit	s, annualized)			
PRODUCTION*	15.58	14.63	18.15	17.48	17.52	17.76
CANADA	2.50	2.24	2.37	2.19	2.07	2.10
UNITED STATES	11.67	9.80	12.18	11.23	11.51	11.45
MEXICO	1.41	2.59	3.60	4.06	3.94	4.21

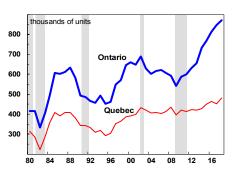
 $<sup>^*</sup> Includes \ light, medium \ and \ heavy \ trucks. \ ^** Canadian \ sales \ are \ Scotiabank \ estimates. \ Sources: Ward's \ Automotive \ Reports, \ Statistics \ Canada.$ 

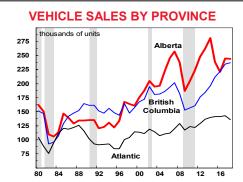
#### **VEHICLE SALES OUTLOOK BY PROVINCE\***

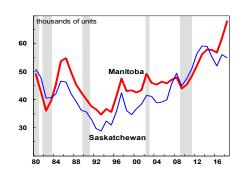
(thousands of units, annual rates)

	(tilousailo	is or urins, armuai	rates)			
	1994-05	2006-15	2016	2017	20	18
	Average				Jan **	Annual f
CANADA	1,446	1,668	1,949	2,041	2,089	2,000
ATLANTIC	102	125	140	143	136	138
CENTRAL	936	1,034	1,265	1,300	1,359	1,266
Quebec	366	411	458	453	479	445
Ontario	570	623	807	847	880	821
WEST	408	509	544	598	594	596
Manitoba	42	49	55	62	70	61
Saskatchewan	36	49	51	56	53	56
Alberta	166	232	220	245	241	248
British Columbia	164	179	218	235	230	231

<sup>\*</sup>Includes cars and light trucks. \*\*Scotiabank estimates. Sources: Statistics Canada, Canadian Vehicle Manufacturers' Association.







Includes cars and trucks (light, medium and heavy).
Shaded bars indicate U.S. recession periods. Source: Statistics Canada.



#### **AUTO MARKET SHARE BY MANUFACTURER — CANADA\***

(thousands of units, not seasonally adjusted)

	<u>2017</u>		2	2018			2018		
	Jar	n to Feb	Jai	n to Feb	Feb		F	Feb	
	Units	% of Total	Units	% of Total	Units	% of Total	Units	% of Total	
TOTAL	70.2	100.0	66.8	100.0	38.1	100.0	35.7	100.0	
Big Three	13.8	19.7	13.3	19.9	7.2	18.8	7.4	20.7	
General Motors	6.7	9.6	8.0	12.0	3.6	9.5	4.1	11.6	
Ford	4.0	5.7	3.7	5.5	2.2	5.7	2.1	5.8	
Chrysler	3.1	4.4	1.6	2.4	1.4	3.6	1.2	3.3	
Japanese	31.9	45.4	31.2	46.7	17.4	45.8	16.0	44.8	
Honda	9.6	13.7	11.3	16.9	5.2	13.7	5.3	14.8	
Toyota	9.3	13.3	8.7	13.0	5.2	13.6	4.8	13.4	
Nissan	6.0	8.5	5.3	8.0	3.3	8.6	2.9	8.0	
Mazda	3.9	5.6	3.4	5.2	2.1	5.6	1.8	5.0	
Mitsubishi	1.0	1.4	0.7	1.0	0.5	1.3	0.4	1.0	
Subaru	2.1	2.9	1.7	2.6	1.1	2.9	0.9	2.5	
Hyundai	7.2	10.3	6.1	9.2	4.1	10.9	3.5	9.8	
Volkswagen	4.8	6.8	5.0	7.5	2.4	6.4	2.5	7.0	
Kia	3.9	5.6	3.5	5.2	2.2	5.7	2.0	5.5	
BMW	2.7	3.8	2.3	3.4	1.6	4.2	1.2	3.5	
Mercedes-Benz	3.5	5.0	3.1	4.6	1.9	4.9	1.7	4.9	
Other	2.4	3.4	2.3	3.5	1.3	3.3	1.4	3.8	

<sup>\*</sup>Source: Dealer sales from the Global Automakers of Canada.

#### TRUCK MARKET SHARE BY MANUFACTURER — CANADA\*

(thousands of units, not seasonally adjusted)

	_	2 <u>017</u> n to Feb	_	2 <u>018</u> n to Feb	_	<u>2017</u> Feb	_	<b>2018</b> Feb
	Units	% of Total	Units	% of Total	Units	% ot Total	Units	% of Total
TOTAL	167.2	100.0	181.2	100.0	86.8	100.0	88.6	100.0
Big Three	91.1	54.4	93.0	51.3	47.5	54.7	45.0	50.9
General Motors	24.4	14.6	26.8	14.8	12.9	14.9	12.9	14.6
Ford	32.2	19.2	31.2	17.2	16.8	19.3	14.8	16.7
Chrysler	34.5	20.6	35.0	19.3	17.8	20.5	17.3	19.6
Other Domestic	5.2	3.1	6.9	3.8	2.7	3.2	3.3	3.7
Japanese	48.6	29.1	54.3	30.0	25.1	28.9	27.2	30.7
Honda	12.2	7.3	13.6	7.5	6.4	7.4	7.1	8.0
Toyota	16.3	9.7	17.0	9.4	8.2	9.5	8.6	9.7
Nissan	11.8	7.1	13.3	7.3	6.2	7.2	6.4	7.2
Mazda	4.6	2.8	5.6	3.1	2.4	2.7	2.8	3.1
Mitsubishi	1.6	0.9	2.2	1.2	0.8	0.9	0.9	1.0
Subaru	3.7	2.2	4.7	2.6	1.8	2.1	2.4	2.7
Hyundai	5.8	3.5	5.5	3.0	3.1	3.5	2.6	2.9
Kia	3.5	2.1	3.6	2.0	1.8	2.1	1.8	2.0
Other Imports	13.0	7.8	17.9	9.9	6.6	7.6	8.7	9.8
LIGHT TRUCKS	163.5	97.8	175.8	97.0	84.8	97.7	86.1	97.1

<sup>\*</sup>Source: Dealer sales from the Global Automakers of Canada.



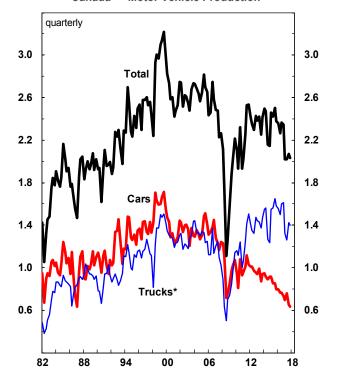
	(thousands of unit	s, not seasonally adjusted)		
	2016	2017	2017	2018
	Jan to Dec	Jan to Dec	Jan	Jar
CANADA	661.1	646.9	32.1	32.8
ATLANTIC	47.1	45.6	1.9	1.9
Newfoundland	9.5	8.8	0.3	0.4
Nova Scotia	20.2	20.8	0.9	0.0
New Brunswick	14.3	13.2	0.6	0.5
Prince Edward Island	3.1	2.8	0.1	0.1
CENTRAL	467.6	461.3	22.0	22.3
Quebec	198.5	187.7	8.5	8.9
Ontario	269.1	273.6	13.5	13.4
WEST	146.4	140.0	8.2	8.6
Manitoba	14.4	13.6	0.6	0.0
Saskatchewan	9.3	8.7	0.5	0.6
Alberta	47.7	46.6	2.7	2.7
British Columbia	75.0	71.1	4.4	4.4

	(thousands of units	s, not seasonally adjusted)		
	2016	<u>2017</u>	2017	2018
	Jan to Dec	Jan to Dec	Jan	Jar
CANADA	1,317.5	1,417.4	80.1	86.8
ATLANTIC	94.4	98.4	5.0	4.9
Newfoundland	24.2	24.4	1.2	1.2
Nova Scotia	34.2	38.2	2.0	1.8
New Brunswick	30.3	30.1	1.5	1.6
Prince Edward Island	5.7	5.7	0.3	0.3
CENTRAL	814.5	853.6	46.7	50.2
Quebec	261.8	270.0	13.9	15.1
Ontario	552.7	583.6	32.8	35.1
WEST	408.6	465.4	28.4	31.7
Manitoba	43.1	49.7	2.8	4.6
Saskatchewan	42.8	47.5	3.0	2.8
Alberta	175.9	202.2	12.3	13.4
British Columbia	146.8	166.0	10.3	10.9



(thousands of units, not seasonally adjusted)								
	<u>2017</u>	<u>2018</u>	<u>2017</u>	2018				
	Jan to Feb	Jan to Feb	Feb	Feb				
TOTAL	380.3	346.9	169.4	177.5				
CAR	123.7	109.3	50.1	59.2				
Chrysler	34.3	32.2	10.5	21.7				
GM	12.8	7.3	2.6	4.8				
Honda	36.0	36.3	19.0	17.3				
Toyota	40.6	33.5	18.0	15.4				
TRUCKS*	256.6	237.6	119.3	118.3				
Chrysler	48.0	56.3	23.8	32.4				
Ford	42.9	46.4	24.3	22.2				
GM	64.7	40.2	20.5	19.7				
Honda	37.6	38.7	20.9	17.8				
Toyota	61.2	53.2	28.4	24.8				
Others	2.2	2.8	1.4	1.4				

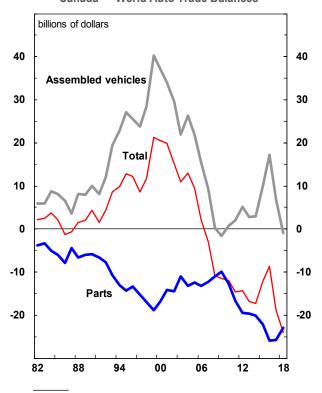




Millions of units, seasonally adjusted annual rates.  $^*$ Light, medium and heavy trucks.

Source: Ward's Automotive Reports.

## Canada — World Auto Trade Balances

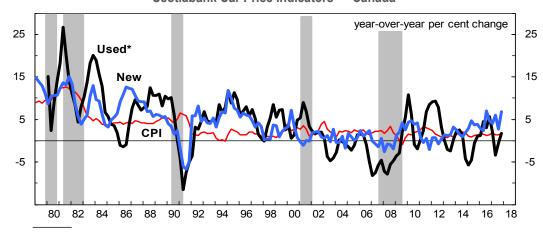


2018 data are January annualized. Source: Statistics Canada.



#### **New & Used Car Prices**

#### Scotiabank Car Price Indicators — Canada



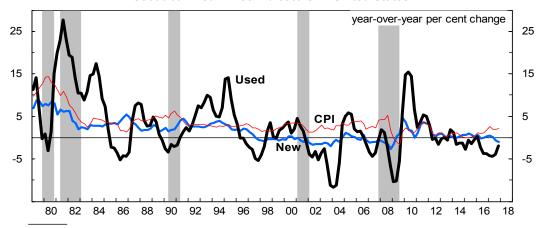
\*Scotiabank estimate from Canadian Black Book data. Sources: Canadian Black Book, Statistics Canada.

#### Scotiabank Car Price Indicators — Canada



Scotiabank estimate from Canadian Black Book data.

#### Scotiabank Car Price Indicators — United States



Consumer price indices for new and used cars.

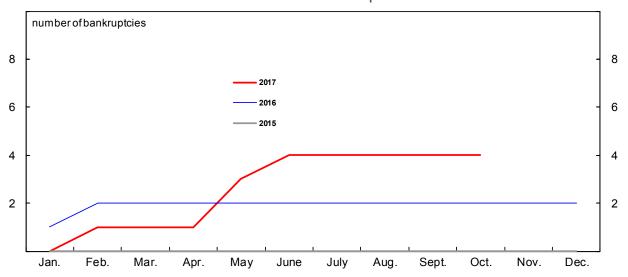
Shaded areas indicate recession periods. Source: U.S Bureau of Labor Statistics.



Source: Statistics Canada.

MOTOR VEHICLE DEALERS AND REPAIR SHOPS							
		Net Income	Pre-Tax	Inventory	Interest	Debt/	Return on
		After Tax	Profit	Turnover	Coverage	Equity	Shareholders
		(\$ mil)	Margin (%)	Ratio	Ratio	Ratio	Equity (%)
Annual	2005	799	0.93	5.35	2.55	2.74	12.90
	2006	942	1.20	5.16	2.64	2.75	14.37
	2007	1089	1.41	5.05	3.36	2.56	15.13
	2008	1142	1.43	5.04	3.51	2.44	14.66
	2009	1392	1.84	5.34	4.85	2.07	16.99
	2010	1649	2.06	4.91	5.34	2.11	18.09
	2011	1664	1.99	5.17	5.19	2.02	17.44
	2012	1748	1.97	4.86	5.32	2.03	16.71
	2013	2215	2.32	5.08	6.64	2.02	20.08
	2014	2714	2.60	5.09	7.41	1.90	21.03
	2015	2929	2.63	5.16	7.54	1.93	21.31
	2016	2963	2.40	5.03	7.70	1.96	20.02
	2017	3404	2.51	4.89	7.68	2.04	21.35
Quarterly at a	nnual rates						
	2016Q4	2852	2.65	4.84	6.99	1.94	18.62
	2017Q1	2196	2.65	4.31	6.20	2.14	14.63
	Q2	3904	2.43	5.32	8.99	2.11	25.44
	Q3	3904	2.43	5.12	8.15	2.00	23.84
	Q4	3612	2.65	4.81	7.24	1.94	21.18
Average (89–	17)	1086	1.40	5.96	3.67	2.31	12.68
Low (89-17)		-68	0.10	4.31	1.10	3.57	-1.20

# **Retail Auto Dealer Bankruptcies**



New car dealers only; cumulative total during the year. Source: Office of the Superintendent of Bankruptcy.



# GLOBAL ECONOMICS | GLOBAL AUTO REPORT

March 29, 2018

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