

The Motor Weekly® Index: 3,639.10 (-369.18, -9.21%)

3-Month Price Performance

SUPPLIER EQUITY INDEX RETURNS 1 Week 3 Months S&P 500 (0.77%) 5.49% NA Autos (2.96%) 17.78% EUR Autos (0.01%) 6.06%

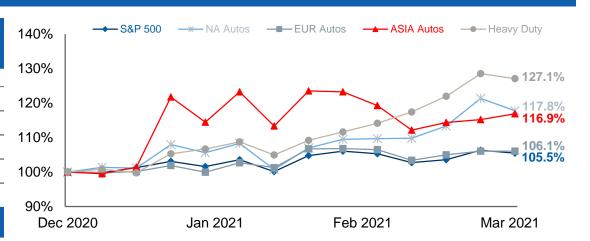
1.43%

(1.12%)

*Represents market-weighted index *Source: Capital IQ

ASIA Autos

Heavy Duty



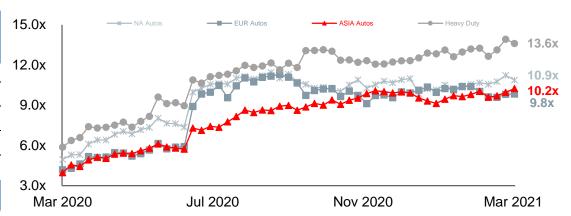
LTM Trading Multiples (EV / LTM EBITDA)

16.87%

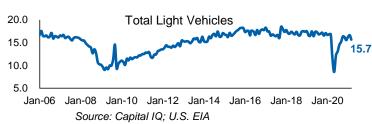
27.10%

SUPPLIER TRADING MULTIPLES											
	3-19-21	1 Year									
NA Autos	10.9x	5.9x									
EUR Autos	9.8x	5.6x									
ASIA Autos	10.2x	6.3x									
Heavy Duty	13.6x	7.7x									
*Multiples use LT	M FRITDA										

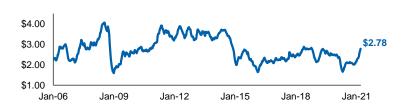
*Multiples use LTM EBITDA
*Source: Capital IQ



U.S. S.A.A.R. (in millions)



Historical Gas Prices (\$ per gallon)





The Motor Weekly® Index



The Motor Weekly Index Summary

The Motor Weekly Index is the average of two sub-indices:

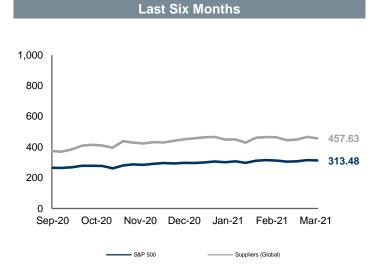
- The Manufacturers' Index (M-Index) is a market weighted average of global vehicle manufacturers
- The Suppliers' Index (S-Index) is a market weighted average of global OEM component suppliers

The Motor Weekly® Index Indexed as of January 2006 6,000 5,000 4,000 3,639.10 3,000 2,000 1,000 313.48 Jan-06 Jan-09 Jan-12 Jan-15 Jan-18 Jan-21 S&P 500 - MW Index

12,000 10,000 8,000 4,000 2,000 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21

Vehicle Manufacturers (Global)

Manufacturers' Index (M-Index)



Suppliers' Index (S-Index)

S&P 500



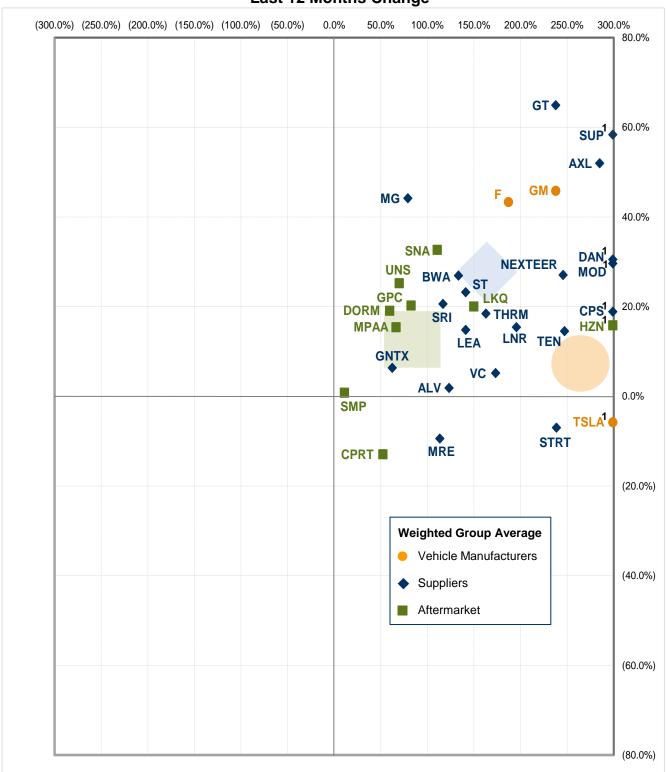


- March 22 (Reuters) California's two U.S. senators are urging President Joe Biden to set a firm date to phase-out gas-powered passenger vehicles as the White House grapples with how to rewrite vehicle emissions rules slashed under President Donald Trump. In an unreported letter going to Biden Monday, Democratic Senators Alex Padilla and Dianne Feinstein called on Biden "to follow California's lead and set a date by which all new cars and passenger trucks sold be zero-emission vehicles." They also urged Biden to restore California's authority to set clean car standards. In September, California Governor Gavin Newsom signed an executive order directing the state's air resources agency to require all new cars and passenger trucks sold in California to be zero-emission by 2035. Biden's campaign in 2020 declined to endorse a specific date to end gas-powered vehicle sales, but he has vowed to dramatically boost electric vehicles and charging stations. In January, Biden said the administration would replace the federal government's fleet of 650,000 vehicles "with clean electric vehicles made right here in America made by American workers." The senators also say Biden should use a compromise deal that California struck with automakers including Ford Motor Co, Honda Motor, BMW AG and Volkswagen AG that falls between the Trump administration and Obama-era requirements. "We believe the national baseline should, at an absolute minimum, be built around the technical lead set by companies that voluntarily advanced their agreements with California," Padilla, who replaced Vice President Kamala Harris in the Senate, and Feinstein wrote in the letter seen by Reuters. "California and other states need a strong federal partner." Shortly after taking office, Biden ordered U.S. agencies to revisit fuel efficiency standards by July. The Trump administration in March 2020 finalized a rollback of fuel economy standards to require 1.5% annual increases in efficiency through 2026, well below the 5% yearly boosts in Obama-administration rules it discarded. Then President Donald Trump repeatedly targeted California, a Democratic bastion that tangled with Trump on multiple fronts during his tenure. The Center for Biological Diversity estimates the California deal improves fuel economy 3.7% year over year between 2022-2026. Biden also directed the Environmental Protection Agency and the National Highway Traffic Safety Administration by April to reconsider Trump's 2019 decision to revoke California's authority to set its own auto tailpipe emissions standards and require rising numbers of zero-emission vehicles. A White House spokesman declined to comment Sunday on the timing of any announcement on California's vehicle authority. California's vehicle emissions standards are followed by 13 other states and the District of Columbia accounting for more than 40% of the U.S. population. In January, General Motors said it aspires to end all gasoline passenger car and truck sales by 2035. Volvo, a unit of Zhejiang Geely Holding Group, said its entire car line-up will be fully electric by 2030 and Ford's European lineup will also be fully electric by 2030. The Alliance for Automotive Innovation, a trade group representing major automakers, declined comment Sunday but last month backed nationwide rules to achieve vehicle emissions reductions roughly midway between the Trump and Obama standards.
- March 22 (The Detroit News) The auto industry continues to bear the fallout from a protracted shortage of semiconductors coupled with other supply chain issues that are wreaking havoc on auto production worldwide. Ford Motor Co. confirmed Monday that its Ohio Assembly Plant in Avon Lake, Ohio, will be down this week. Workers at the plant build medium-duty trucks, E-Series vans, and Super Duty trucks. Meanwhile, the Blue Oval's Kentucky Truck Plant — which builds Super Duty trucks as well as the Ford Expedition and Lincoln Navigator — canceled an overtime shift over the weekend and will cut one out of three shifts this week. Ford attributed this week's production cuts to "a parts shortage related to the global semiconductor shortage." Both plants are scheduled to resume full production next week. Stellantis NV said Monday that, in response to the microchip shortage, it is building and holding Ram 1500 Classics built at Warren Truck Assembly Plant in Michigan and Saltillo Truck Assembly Plant in Mexico, a tactic that some automakers have employed in a bid to keep assembly lines churning out high-margin trucks and SUVs. "When the component that requires the chip becomes available, we will complete the build, then perform extensive quality verifications before shipping finished trucks to dealers," spokeswoman Kaileen Connelly said in a statement. General Motors Co. did not have any new production impacts to share Monday, but previously halted production at its Lansing Grand River plant (which builds the Chevrolet Camaro and Cadillac CT4 and CT5) and San Luis Potosi plant in Mexico (which builds the Chevrolet Equinox and Trax and GMC Terrain SUVs) through the rest of the month. Other GM plants facing extended downtime are in Kansas where the Cadillac XT4 SUV and Chevrolet Malibu are built, and in Ontario where the Equinox is built. A plant in Brazil also will have some downtime in April and May. GM has said the shortage could result in a \$1.5 billion to \$2 billion hit to earnings in 2021. Ford has said that if the semiconductor shortage lasts through the first half of the year, adjusted earnings could take a hit of between \$1 billion and \$2.5 billion. Ford — which has had numerous production disruptions this year — said last week that it would build F-150 trucks and Edge SUVs in North America without certain parts, including some electronic modules that contain semiconductors, and then hold the vehicles "for a number of weeks." They will ship them to dealers once the modules are available and quality checks are completed. Automakers worldwide have been contending with a combination of the chip shortage — which arose after automakers pulled back on orders when the COVID-19 pandemic hit and consumer demand dropped, ceding production capacity to makers of high-demand consumer electronics — as well as other supply chain issues related to recent winter storms and the pandemic. Port blockages, too, have led to delivery delays. AutoForecast Solutions, a global automotive forecasting firm, currently estimates that 1.1 million units of auto production will be lost globally through the first half of the year, with the potential for as much as a 1.94 million-unit loss and the possibility that some factories will be affected into the second half of the year. However, some of that lost volume could be made up once the semiconductor shortage eases. Meanwhile, the Associated Press reported Monday that a fire at a plant owned by Japanese chipmaker Renesas could deepen the shortage. The company, which makes chips for Toyota Motor Corp., Nissan Motor Co. and Honda Motor Co., expects production at one of the buildings at its Naka Factory in Hitachinaka to be halted for a month. Renesas said two-thirds of the products made in the building could be produced elsewhere, although "due to the recent increase in demand for semiconductors, the situation does not allow for all products to be immediately produced alternatively." Separately last week Nissan said it was temporarily shutting down production at factories in Smyrna, Tennessee; Canton, Mississippi; and in Aguascalientes, Mexico, due to the chip shortage. Volkswagen AG, too, has said that it has been affected by the shortage and forced to delay production of some models in order to keep other factories running. Toyota announced last week that it would see disruptions to production of Camry and Avalon sedans and the hybrid RAV4 SUV in Kentucky, engines in West Virginia and Tacoma pickups in Mexico due to a shortage of petrochemicals resulting from extreme winter weather in Texas and Mexico. Honda said last week that all of its auto plants in the U.S. and Canada were being affected by "a number of supply chain issues related to the impact of COVID-19, congestion at various ports, the microchip shortage and severe winter over the past several weeks."

North American Equity Performance









North American OEM Market

	Ticker	Price	% of	Manhart	Total	LTM	Total		TEV / EE	BITDA	Weekly		
Company		as of 3/19/2021	52-Wk High	Market Cap	Enterprise Value	EBITDA Margin	Debt / EBITDA	LTM - P/E	LTM	2021	Stock Price Performance		
Vehicle Manufacturers				·									
Tesla, Inc.	TSLA	\$ 654.87	72.7%	\$ 643,102	\$ 623,986	13.5%	3.1x	NM	NM	NM	(5.6%)		
General Motors Company	GM	59.82	96.1%	83,717	89,154	11.1%	8.1x	13.8x	6.5x	3.8x	0.9%		
Ford Motor Company	F	12.83	94.2%	51,126	46,630	8.1%	2.1x	NM	9.7x	3.8x	(4.0%)		
					Mean	10.9%	4.4x	13.8x	8.1x	3.8x	-		
High Multiple Suppliers											1		
Aptiv PLC	APTV	\$ 145.94	91.1%	\$ 39,228	\$ 41,346	12.0%	2.9x	21.9x	NM	16.8x	(3.3%)		
BorgWarner Inc.	BWA	49.02	96.9%	11,504	14,369	14.7%	2.7x	20.9x	9.6x	6.5x	(2.6%)		
Autoliv, Inc.	ALV	93.62	94.4%	7,851	9,567	11.3%	3.0x	43.7x	11.4x	7.1x	(5.0%)		
Gentex Corporation	GNTX	35.55	94.2%	8,499	8,215	29.9%	0.0x	25.3x	16.3x	12.0x	(4.0%)		
Visteon Corporation	VC	132.14	89.6%	3,526	3,843	6.1%	3.4x	NM	24.6x	14.8x	3.0%		
Gentherm Incorporated	THRM	77.18	94.1%	2,452	2,497	14.8%	1.6x	42.6x	18.4x	13.1x	(2.9%)		
Stoneridge, Inc.	SRI	35.26	92.3%	930	1,043	5.4%	4.7x	NM	NM	15.9x	(5.2%)		
					Mean	13.5%	2.6x	30.9x	16.1x	12.3x	-		
Mid Multiple Suppliers											1		
Magna International Inc.	MG	\$ 91.97	97.0%	\$ 27,411	\$ 30,916	9.4%	2.0x	36.5x	10.1x	7.0x	(0.1%)		
Lear Corporation	LEA	183.40	93.4%	10,766	12,677	6.6%	2.5x	70.0x	11.2x	6.9x	(2.8%)		
Goodyear Tire & Rubber Co.	GT	17.22	88.9%	3,987	9,531	4.2%	13.2x	NM	18.3x	6.4x	(5.2%)		
Adient plc	ADNT	42.64	87.6%	3,845	7,279	9.4%	10.3x	NM	15.9x	6.7x	(10.2%)		
Tenneco Inc.	TEN	11.25	85.7%	881	6,171	5.7%	6.5x	NM	7.1x	4.5x	(11.5%)		
Dana Incorporated	DAN	25.30	92.1%	3,558	6,083	7.6%	5.1x	NM	11.2x	6.5x	(5.8%)		
Linamar Corporation	LNR	63.71	86.7%	4,117	4,524	15.3%	1.5x	19.0x	6.5x	5.2x	(6.0%)		
American Axle & Mfg.	AXL	11.43	88.5%	1,213	4,379	15.1%	5.1x	NM	6.2x	4.8x	(11.4%)		
Nexteer Automotive Group	1316	1.39	100.0%	3,586	3,288	9.6%	1.1x	29.9x	11.3x	6.0x	(4.7%)		
TI Fluid Systems plc	TIFS	3.56	84.2%	1,890	2,805	8.7%	5.0x	NM	9.4x	5.4x	(12.2%)		
Martinrea International Inc.	MRE	10.87	83.7%	860	1,588	9.5%	3.3x	NM	6.3x	3.8x	(2.9%)		
Cooper-Standard Holdings Inc.	CPS	41.42	86.6%	643	1,414	1.3%	35.9x	NM	NM	6.4x	(12.1%)		
Modine Manufacturing Company	MOD	15.98	97.9%	823	1,178	8.7%	2.7x	NM	7.7x	7.4x	1.5%		
Superior Industries	SUP	6.24	84.4%	160	843	10.8%	5.5x	NM	7.1x	4.8x	(8.1%)		
STRATTEC Security Corp.	STRT	47.06	69.9%	161	222	7.9%	0.8x	23.4x	6.9x	3.9x	(14.0%)		
					Mean	8.7%	6.7x	35.8x	9.6x	5.7x			
					Mean	10.3%	5.3x	31.6x	11.0x	7.5x	Avg. ∆		
					Median	9.4%	3.1x	25.3x	9.7x	6.4x	(5.37%)		



North American Aftermarket

		Price	% of 52-Wk	Monket	Total	LTM	Total	LTM	TEV / El	BITDA		ekly
Company	Ticker	as of 3/19/2021	High	Market Cap	Enterprise Value	EBITDA Margin	Debt / EBITDA	LTM - P/E	LTM	2021		k Price rmance
Retailers & Distributors												
O'Reilly Automotive, Inc.	ORLY	\$ 488.10	98.3%	\$ 34,460	\$ 39,927	23.6%	2.3x	20.7x	14.6x	15.2x		1.1%
AutoZone, Inc.	AZO	1,324.76	98.6%	29,556	36,594	23.4%	2.7x	16.7x	11.7x	12.5x		3.1%
Genuine Parts Company	GPC	117.31	98.7%	16,654	19,700	7.7%	2.9x	NM	15.5x	13.5x	-	2.4%
Advance Auto Parts, Inc.	AAP	186.00	99.3%	11,891	14,762	10.4%	3.3x	26.1x	14.1x	12.9x	-	3.6%
Snap-on Incorporated	SNA	225.40	98.4%	11,979	12,883	25.4%	1.5x	19.7x	12.9x	12.3x	-	3.7%
Uni-Select Inc.	UNS	7.59	87.4%	335	773	4.0%	8.7x	NM	13.1x	6.8x	(2.8%)	
CarParts.com, Inc.	PRTS	14.95	64.3%	709	715	1.8%	3.9x	NM	NM	NM	(3.7%)	
					Mean	13.8%	3.6x	20.8x	13.6x	12.2x	-	
Aftermarket Suppliers											-	
Axalta Coating Systems Ltd.	AXTA	\$ 29.33	93.2%	\$ 6,883	\$ 9,607	19.7%	5.5x	56.7x	13.0x	10.1x	(2.1%)	
Goodyear Tire & Rubber Co.	GT	17.22	88.9%	3,987	9,531	4.2%	13.2x	NM	18.3x	6.4x	(5.2%)	
Dorman Products, Inc.	DORM	106.46	94.1%	3,418	3,289	15.2%	0.3x	32.3x	19.9x	15.3x		0.6%
Cooper Tire & Rubber Company	СТВ	56.08	95.0%	2,832	2,673	14.8%	1.2x	19.8x	7.2x	5.7x	(3.2%)	
Standard Motor Products, Inc.	SMP	43.92	79.4%	964	1,004	12.2%	0.3x	17.5x	7.3x	8.6x	(1.5%)	
Motorcar Parts of America, Inc.	MPAA	23.46	88.8%	434	598	6.0%	5.3x	36.1x	19.1x	6.8x	(5.7%)	
Horizon Global Corporation	HZN	10.45	88.7%	285	535	2.5%	18.7x	NM	NM	NM	(0.9%)	
					Mean	10.7%	6.3x	32.5x	14.1x	8.8x		
Collision											_	
Copart, Inc.	CPRT	\$ 106.60	81.4%	\$ 25,945	\$ 25,086	44.3%	0.5x	36.1x	24.8x	21.1x	(3.1%)	
KQ Corporation	LKQ	43.40	96.7%	12,998	17,239	11.6%	3.2x	20.8x	12.8x	11.7x		1.0%
AA, Inc.	IAA	55.02	82.3%	7,419	9,365	28.4%	5.6x	38.2x	23.8x	19.7x	(4.6%)	
KAR Auction Services, Inc.	KAR	15.26	73.2%	1,988	5,340	16.3%	10.0x	NM	15.0x	11.1x	(6.6%)	
Boyd Group Services Inc.	BYD	184.92	94.5%	3,965	4,508	9.0%	4.2x	NM	NM	15.2x	-	1.7%
					Mean	21.9%	4.7x	31.7x	19.1x	15.8x	-	
<u>Dealerships</u>	KMY	¢ 400 04	07.70/	£ 04 504	£ 20 004	C 40/	40.0	20.2	NINA	22.2	(0.40()	
CarMax, Inc.	KMX CVNA	\$ 133.24	97.7%	\$ 21,504	\$ 36,921	6.4%	12.2x	29.3x	NM	23.3x	(0.4%)	
Carvana Co.		269.22	83.2%	21,457	22,960	NM 6 19/	NM 5.2v	NM	NM 19.2v	NM 15.2v	(6.1%)	4.401
Lithia Motors, Inc.	LAD PAG	395.40	94.6%	10,200	14,584	6.1%	5.3x	20.2x	18.2x	15.3x	(0.00)	1.1%
Penske Automotive Group, Inc.		81.50	95.3%	6,477	13,804	3.7%	9.7x	12.1x	18.3x	13.7x	(3.9%)	4.40/
AutoNation, Inc.	AN	89.98	97.4%	7,229	12,033	5.7%	4.4x	20.9x	10.3x	9.8x		1.1%
Asbury Automotive Group, Inc.	ABG	188.54	93.8%	3,603	6,014	6.2%	5.3x	14.3x	13.5x	12.5x	(1.3%)	
Group 1 Automotive, Inc.	GPI	164.31	93.9%	2,755	5,503	5.5%	4.5x	10.6x	9.2x	9.8x	(5.3%)	
Sonic Automotive, Inc.	SAH	52.60	93.8%	2,111	4,368	4.0%	6.3x	NM	11.2x	10.4x	(0.8%)	
/room, Inc.	VRM	36.78	48.7%	5,039	4,279	NM	NM	NM	NM	NM	(2.2%)	
AutoCanada Inc.	ACQ	24.43	81.5%	639	1,690	2.3%	18.3x	NM	NM	13.1x	(7.5%)	
					Mean	5.0%	8.2x	17.9x	13.4x	13.5x		
					Mean	11.9%	5.9x	24.9x	14.7x	12.5x		⁄g. ∆
					Median	7.7%	4.5x	20.8x	13.8x	12.5x	(1	64%)



European OEM Market

	Ticker	Price	% of 52-Wk High	Market Cap	Total	LTM EBITDA Margin	Total	LTM -	TEV / EE	BITDA	Weekly Stock Price	
Company		as of 3/19/2021			Enterprise Value		Debt / EBITDA	P/E	LTM	2021	Performance	
Vehicle Manufacturers												
/olkswagen AG	VOW	\$ 263.57	87.6%	\$ 171,783	\$ 342,459	10.8%	8.5x	13.0x	11.7x	8.2x	16.0%	
Daimler AG	DAI	87.81	98.6%	94,677	238,657	8.7%	10.9x	21.2x	14.5x	9.4x	4.0%	
BMW AG	BMW	98.98	93.4%	65,403	170,739	8.9%	12.0x	14.1x	15.9x	10.5x	6.5%	
Renault SA	RNO	46.19	93.5%	12,416	64,134	5.3%	28.2x	NM	22.7x	9.7x	(2.8%)	
Stellantis N.V.	STLA	17.67	95.8%	54,670	47,295	9.4%	2.4x	6.2x	6.8x	2.2x	(4.1%)	
					Mean	8.6%	12.4x	13.6x	14.3x	8.0x	-	
Suppliers .											1	
Continental AG	CON	\$ 143.12	91.8%	\$ 27,602	\$ 34,162	9.5%	2.1x	NM	7.8x	5.6x	4.8%	
/lichelin SCA	ML	150.20	97.9%	26,816	31,196	16.6%	2.6x	35.0x	7.5x	6.0x	(0.1%)	
/aleo SE	FR	36.44	89.7%	8,343	13,518	5.2%	7.2x	NM	12.9x	4.7x	0.0%	
aurecia S.E.	EO	56.83	93.9%	7,761	11,937	6.0%	7.1x	NM	11.2x	4.2x	2.3%	
Autoliv, Inc.	ALV	93.62	94.4%	7,851	9,567	11.3%	3.0x	43.7x	11.4x	7.1x	(5.0%)	
Plastic Omnium SA	POM	39.37	95.2%	5,523	6,819	5.1%	4.7x	NM	15.5x	6.0x	2.3%	
Brembo S.p.A.	BRE	12.54	90.1%	4,101	4,701	17.6%	2.7x	NM	9.9x	8.4x	(0.6%)	
EONI AG	LEO	13.95	78.2%	453	2,109	NM	NM	NM	NM	8.9x	(8.0%)	
ElringKlinger AG	ZIL2	17.16	82.8%	1,055	1,731	8.0%	5.7x	NM	12.6x	7.3x	0.2%	
Grammer AG	GMM	27.26	88.2%	406	953	2.1%	15.2x	NM	22.9x	6.0x	(0.8%)	
Sogefi S.p.A.	so	1.67	98.6%	195	644	13.9%	3.4x	NM	3.1x	3.3x	8.0%	
Polytec Holding AG	PYT	11.90	97.8%	264	459	4.7%	8.7x	NM	15.6x	6.2x	4.4%	
					Mean	9.1%	5.7x	39.4x	11.9x	6.1x		
					Mean	8.9%	7.8x	22.2x	12.6x	6.7x	Avg. Δ	
					Median	8.8%	6.4x	17.6x	12.0x	6.2x	1.59%	



Asian OEM Market

		Price as of	% of 52-Wk	Market	Total Enterprise	LTM EBITDA	Total Debt /	LTM -	TEV / EBITDA		Weekly Stock Price
Company	Ticker	as of 3/19/2021	52-WK High	Market Cap	Value	Margin	EBITDA	P/E	LTM	2021	Performance
/ehicle Manufacturers				·							
Toyota Motor Corporation	7203	\$ 79.40	99.1%	\$ 215,083	\$ 370,064	13.2%	6.8x	15.1x	10.9x	12.2x	6.3%
Hyundai Motor Company	A005380	203.17	79.2%	42,805	104,315	5.0%	17.8x	40.5x	21.9x	10.7x	(0.7%)
londa Motor Co., Ltd.	7267	31.88	99.7%	53,133	101,217	8.1%	7.6x	13.7x	9.9x	9.7x	7.9%
YD Company Limited	1211	23.80	100.0%	73,673	80,734	13.9%	3.1x	NM	NM	22.4x	(3.3%)
issan Motor Co., Ltd.	7201	5.73	93.8%	21,635	76,312	0.5%	NM	NM	NM	23.9x	3.2%
IO Limited	NIO	43.35	64.7%	67,538	63,855	NM	NM	NM	NM	NM	(4.7%)
eely Automobile Holdings Ltd.	175	3.08	100.0%	30,533	28,120	8.0%	0.6x	31.3x	NM	12.2x	0.9%
a Corporation	A000270	77.46	85.6%	30,639	27,154	7.2%	2.4x	22.7x	6.9x	4.4x	6.3%
ahindra & Mahindra Limited	NSEI: M&M	11.73	89.2%	12,745	22,802	12.4%	4.6x	NM	15.2x	22.1x	(0.3%)
uzuki Motor Corporation	7269	44.29	82.8%	20,905	22,088	10.7%	2.4x	16.9x	7.0x	6.1x	(1.5%)
amaha Motor Co., Ltd.	7272	25.17	99.3%	8,657	10,899	8.8%	3.6x	17.1x	8.7x	6.7x	2.9%
uzu Motors Limited	7202	10.63	96.3%	7,681	9,292	9.3%	1.8x	19.1x	5.5x	5.7x	5.6%
ongfeng Motor Group Co.	489	0.96	74.2%	8,221	8,837	1.4%	42.1x	8.0x	NM	6.7x] 1.4%
azda Motor Corporation	7261	8.57	93.2%	5,261	7,100	2.5%	13.1x	NM	10.5x	3.9x	4.4%
itsubishi Motors Co.	7211	2.91	89.9%	4,187	4,524	0.4%	NM	NM	NM	9.6x	(3.5%)
AW Jiefang Group Co., Ltd	00800	1.68	71.2%	7,854	2,502	2.8%	0.0x	21.8x	13.8x	2.9x	(2.0%)
					Mean	7.0%	8.2x	20.6x	11.0x	10.6x	-
ppliers											1
ENSO Corporation	6902	\$ 71.03	99.4%	\$ 52,394	\$ 56,362	6.3%	4.6x	NM	19.4x	8.0x	6.8%
idgestone Corporation	A012330	40.82	98.7%	28,541	30,891	11.1%	3.0x	NM	9.6x	5.8x	1.3%
undai Mobis Co.,Ltd	5108	265.58	73.9%	23,911	17,302	7.3%	1.2x	17.6x	7.0x	5.5x	(0.5%)
GC Inc.	5201	40.19	97.6%	8,879	16,862	14.4%	4.8x	28.2x	8.6x	6.9x	0.0%
sin Seiki Co., Ltd.	7259	37.75	99.2%	10,017	16,610	9.4%	3.3x	63.7x	5.3x	4.2x	4.7%
oito Manufacturing Co., Ltd.	7276	73.76	96.5%	11,534	9,732	13.3%	0.2x	33.7x	10.8x	8.3x	(2.0%)
SK Ltd.	6471	10.88	99.1%	5,479	7,215	6.9%	7.2x	NM	15.1x	9.3x	1.9%
EKT Corporation	6473	11.11	97.2%	3,663	5,708	5.0%	4.8x	NM	9.6x	6.2x	1.0%
anley Electric Co., Ltd.	6923	32.52	95.5%	4,998	4,540	13.4%	0.3x	57.4x	10.1x	6.1x	4.9%
TN Corporation	6472	3.21	98.7%	1,700	4,436	5.2%	13.2x	NM	15.7x	10.8x	3.4%
oyoda Gosei Co., Ltd.	7282	28.43	99.2%	3,557	4,028	13.4%	1.6x	18.3x	4.4x	5.2x	5.7%
oyota Boshoku Corporation	3116	17.84	98.7%	3,178	3,184	6.6%	1.9x	17.5x	4.0x	3.8x	6.7%
HK Spring Co., Ltd.	5991	7.91	98.6%	1,787	1,948	6.5%	2.2x	NM	5.5x	4.8x	2.5%
okai Rika Co., Ltd.	6995	18.36	99.1%	1,648	1,258	6.5%	0.4x	26.5x	4.6x	4.2x	3.8%
STECH Co., Ltd.	7313	32.47	98.5%	2,134	1,004	9.9%	0.0x	22.1x	3.1x	2.4x	4.1%
alla Holdings Corp.	A060980	37.18	81.8%	382	998	16.1%	7.1x	9.4x	9.2x	6.9x	5.7%
anden Holdings Corporation	6444	3.86	82.7%	111	923	NM	NM	NM	NM	NM	11.2%
Tech Inc.	7212	6.50	97.1%	121	638	6.9%	3.8x	NM	5.2x	NM	1.0%
kebono Brake Industry Co., Ltd.	7238	1.90	85.8%	247	533	3.9%	9.1x	NM	9.9x	NM	5.7%
GA Group Co.	600303	0.57	69.7%	391	375	NM	NM	25.5x	NM	NM	(0.6%)
nina Automotive Systems, Inc.	CAAS	5.98	43.7%	179	173	3.6%	3.6x	NM	12.3x	5.1x	8.1%
utaba Corporation	TSE:6986	9.24	87.3%	401	113	NM	NM	NM	NM	NM	2.2%
					Mean	8.7%	3.8x	29.1x	8.9x	6.1x	
								05.4		0.0	
					Mean	8.0%	5.6x	25.1x	9.3x	8.2x	Avg. ∆
					Median	7.3%	3.3x	21.8x	9.4x	6.2x	2.70%



Commercial Vehicle Market

		Price as of	% of 52-Wk	Market	Total Enterprise	LTM EBITDA	Total Debt /	LTM -	TEV / EE	BITDA	Weekly Stock Price	
Company	Ticker	3/19/2021	High	Cap	Value	Margin	EBITDA	P/E	LTM	2021	Performance	
Commerical Vehicle Manufacturer	s											
Daimler AG	_ DAI	\$ 87.81	98.6%	\$ 94,677	\$ 238,657	8.7%	10.9x	21.2x	14.5x	9.4x	4.0%	
AB Volvo (publ)	VOLV-B	27.45	97.0%	56,092	64,022	9.7%	4.7x	23.7x	16.1x	9.5x	(1.9%)	
PACCAR Inc	PCAR	95.06	92.1%	32,485	39,175	10.8%	5.5x	25.4x	19.4x	15.2x	(1.9%)	
MAN SE	MAN	64.27	99.7%	9,363	12,099	0.0%	NM	NM	NM	NM	3.1%	
suzu Motors Limited	7202	10.63	96.3%	7,681	9,292	NM	NM	19.1x	5.5x	5.7x	5.6%	
Navistar International Corporation	NAV	44.13	97.5%	4,394	8,418	0.3%	NM	NM	NM	12.4x	(0.0%)	
Nikola Corporation	NKLA	15.42	16.4%	6,095	5,222	NM	NM	NM	NM	NM	(9.4%)	
					Mean	5.9%	7.0x	22.4x	13.9x	10.4x	-	
off-Highway, Specialty Vehicles ar	nd Trailers]	
Deere & Company	DE	\$ 372.48	94.9%	\$ 116,471	\$ 156,479	17.5%	7.2x	34.1x	24.2x	20.2x	0.8%	
Caterpillar Inc.	CAT	225.29	94.7%	123,250	151,865	17.5%	5.2x	41.3x	20.8x	18.9x	(1.6%)	
Thor Industries, Inc.	THO	142.64	93.7%	7,833	9,619	8.4%	2.4x	20.3x	12.4x	9.2x	(24.6%)	
Oshkosh Corporation	OSK	120.30	97.4%	8,102	8,310	8.5%	1.7x	26.0x	14.6x	12.5x	3.8%	
Winnebago Industries, Inc.	WGO	81.45	93.1%	2,714	3,003	8.4%	2.5x	26.3x	14.0x	9.2x	(2.4%)	
Гhe Shyft Group, Inc.	SHYF	37.91	86.7%	1,334	1,393	9.3%	1.2x	41.8x	22.2x	14.0x	(7.2%)	
Wabash National Corporation	WNC	19.15	93.2%	977	1,239	4.4%	7.0x	NM	18.8x	9.4x	(6.3%)	
Blue Bird Corporation	BLBD	25.97	89.9%	669	861	4.7%	4.5x	63.9x	21.5x	15.0x	2.7%	
					Mean	9.8%	4.0x	29.6x	18.5x	13.6x	-	
Commercial Vehicle and Off-Highy	vay Supplie	rs										
Eaton Corporation plc	ETN	\$ 133.26	94.3%	\$ 53,723	\$ 60,633	14.5%	3.3x	38.2x	23.3x	18.4x	(5.3%)	
Cummins Inc.	CMI	265.90	96.0%	38,905	40,985	13.0%	1.8x	22.1x	15.9x	11.9x	(2.9%)	
ngersoll Rand Inc.	IR	49.45	95.8%	20,440	23,086	16.7%	4.9x	NM	NM	18.3x	(0.3%)	
Westinghouse Air Brake Technologie		75.65	89.7%	14,067	18,257	16.6%	3.6x	34.9x	14.6x	12.5x	(3.1%)	
Allison Transmission Holdings, Inc.	ALSN	42.47	92.5%	4,635	7,038	34.1%	3.7x	16.2x	9.9x	8.4x	(0.2%)	
Dana Incorporated	DAN	25.30	92.1%	3,558	6,083	7.6%	5.1x	NM	11.2x	6.5x	(5.8%)	
_CI Industries	LCII	138.87	89.7%	3,438	4,288	11.7%	2.6x	22.1x	13.1x	11.2x	(4.1%)	
Meritor, Inc.	MTOR	31.39	93.5%	2,175	3,233	6.9%	5.8x	9.7x	15.5x	7.4x	(3.7%)	
Douglas Dynamics, Inc.	PLOW	47.90	93.1%	1,051	1,335	15.0%	3.9x	NM	18.6x	14.8x	(6.4%)	
Modine Manufacturing Company	MOD	15.98	97.9%	823	1,178	8.7%	2.7x	NM	7.7x	7.4x	1.5%	
Stoneridge, Inc.	SRI	35.26	92.3%	930	1,043	5.4%	4.7x	NM	NM	15.9x	(5.2%)	
Commercial Vehicle Group, Inc.	CVGI	10.04	89.2%	350	456	4.7%	5.3x	NM	13.5x	6.4x	(3.8%)	
Haldex AB (publ)	HLDX	5.68	83.5%	273	376	3.7%	8.5x	NM	20.9x	5.0x	(4.3%)	
					Mean	12.2%	4.3x	23.9x	14.9x	11.1x		
					Mean	10.3%	4.5x	28.6x	16.0x	11.7x	Avg. ∆	
					Median	8.7%	4.6x	25.4x	15.5x	11.5x	(2.59%)	



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