

## Japanese bicycle production, import and export (Six-Month Year to Date 2017)

### 1. Preface

The purpose of this report is to show the Japanese bicycle market trend through comprehensive investigation of the Japanese bicycle production, import and export. First, the production of the domestic bicycle manufacturers will be clarified using Ministry of Economy, Trade and Industry (METI) Current Production Statistics, and total production activities including shipment, inventories and time series trend will be explained. Second, due to the current big share of import bicycles in the Japanese bicycle market, bicycle import will be investigated by categories and by time series using Ministry of Finance Japan (MOF) Trade Statistics, and general bicycle market trend will be grasped. Then, comprehensive Japanese bicycle market trend including bicycle production becomes clear. Finally, Japanese bicycle export which is now mostly used bicycle export will be briefly referenced.

During six-month Year to Date 2017, “Electric power assist” production slightly increases when compared to the same period of 2016; however, the production of “Light bicycles” and “Miscellaneous” decrease. This leads the entire production both in unit and value decrease compared to the same period of 2016. As to import, both total unit import and value decrease, and average import unit value also decreases during the six-month YTD 2017 when compared to the same period of the previous year. As a result, the six-month YTD 2017 domestic unit volume which consists of production units and import units is the lowest in the last twelve years.

### 2. Japanese bicycle production

#### 2 – 1 Outline of six-month year to date 2017 bicycle production

According to Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japanese complete bicycle production in six-month year to date 2017 is 455,596 units, and JPY 27,950million. Table 1 shows that total unit production decreases 8.4%, and total production value also decreases 2.4%, compared to the same period of the previous year. Average production unit value in six-month year to date 2017 is up 6.5% from JPY 57,581 in 2016 to JPY 61,348 in 2017.

Table 1 Six-Month Year to Date 2017 Japanese bicycle production

	Total Units	Total Production Value(JPY million)	Average Unit Value(JPY)
6 month YTD 2017	455,596	27,950	61,348
6 month YTD 2016	497,354	28,638	57,581
Variance	-41,758	-688	3,767
Variance%	-8.4%	-2.4%	6.5%

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey (2016 figure is revised) Japan Bicycle Promotion Institute Processing and Analysis

Table 2 shows the detail by product category of Japanese bicycle production during the six-month year to date 2017 compared to the same period of 2016. Only “Electric power assist” shows slight increase. “Light bicycles” and “Miscellaneous” show great decrease.

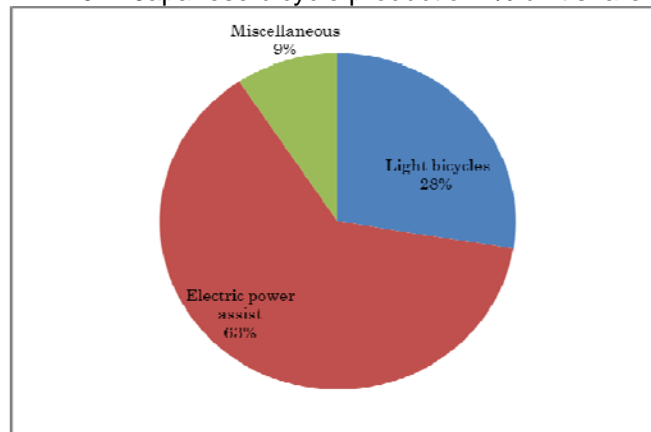
Table 2 Production by category:  
Six-Month Year to Date 2017 compared to Six-Month Year to Date 2016

6 month YTD	2017		2016		Variance			
	units	Value(JPY million)	units	Value(JPY million)	units	%	Value (JPY million)	%
Light bicycles	125,570	3,229	156,072	3,832	-30,502	-19.5	-603	-15.7
Electric power assist	287,461	23,557	287,455	23,292	6	0.0	265	1.1
Miscellaneous	42,565	1,163	53,827	1,513	-11,262	-20.9	-350	-23.1
<b>Total</b>	<b>455,596</b>	<b>27,950</b>	<b>497,354</b>	<b>28,638</b>	<b>-41,758</b>	<b>-8.4</b>	<b>-688</b>	<b>-2.4</b>

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey  
(2016 figure is revised) Japan Bicycle Promotion Institute Processing and Analysis  
Due to round off, Total may not match.

Chart A shows a graphic presentation of six-month year to date 2017 Japanese bicycle unit production share by category based on Table 2. “Electric power assist” captures 63% share, and “Light bicycles” follows capturing 28% share.

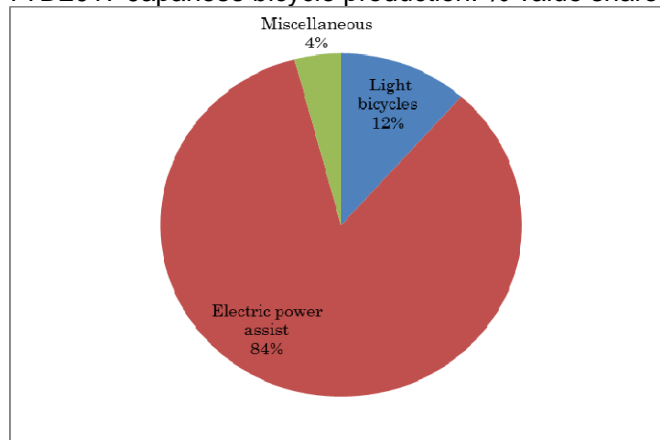
Chart A  
Six-Month YTD2017 Japanese bicycle production: % unit share by category



Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey,  
Japan Bicycle Promotion Institute Processing and Analysis

Chart B shows a graphic presentation of six-month year to date 2017 Japanese bicycle production value share by category also based on Table 2. “Electric power assist” captures 84% share.

Chart B  
Six-Month YTD2017 Japanese bicycle production: % value share by category



Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Processing and Analysis

Table 3 shows average production unit value by product category in six-month year to date 2017 compared to the same period of 2016. “Light bicycles” and “Electric power assist” show increase, on the other hand, “Miscellaneous” shows decrease.

Table 3 Average Unit Value by product category:  
Six-Month Year to Date 2017 compared to Six-Month Year to Date 2016

Category	Average Unit Value(JPY) 6 month YTD 2017	Average Unit Value(JPY) 6 month YTD 2016	Variance (JPY)	Variance (%)
Light bicycles	25,715	24,553	1,162	4.7
Electric power assist	81,949	81,028	920	1.1
Miscellaneous	27,323	28,109	-786	-2.8
<b>Total</b>	<b>61,348</b>	<b>57,581</b>	<b>3,767</b>	<b>6.5</b>

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey (2016 figure is revised) Japan Bicycle Promotion Institute Processing and Analysis  
Due to round off, Total may not match.

Table 4 shows production units, total value and average unit value of “Electric power assist bicycles” by month.

Table 4  
Production of “Electric power assist bicycles” by month: 2017 compared to 2016

	2017			2016			Variance of unit production	Variance of production value(JPY million)	Variance of average unit value(JPY)
	Unit production	Production value(JPY million)	Average unit value(JPY)	Unit production	Production value(JPY million)	Average unit value(JPY)			
January	42,881	3,354	78,216	41,742	3,430	82,171	1,139	-76	-3,955
February	45,846	3,599	78,502	45,270	3,612	79,788	576	-13	-1,286
March	54,542	4,309	79,003	53,414	4,259	79,736	1,128	50	-732
April	48,120	4,160	86,451	48,027	3,917	81,558	93	243	4,892
May	45,740	3,923	85,767	47,090	3,845	81,652	-1,350	78	4,115
June	50,332	4,212	83,684	51,912	4,229	81,465	-1,580	-17	2,220
YTD	287,461	23,557	81,949	287,455	23,292	81,028	6	265	920

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey (2016 figure is revised) Japan Bicycle Promotion Institute Processing and Analysis  
Due to round off, Total may not match.

## 2 – 2 Comprehensive production, shipments and inventory status of the Japanese bicycle manufacturers

Table 5 shows comprehensive manufacturing and sales condition including production, receipts, shipments (sales and others) and month end inventory in six-month year to date 2017 compared to the same period of 2016.

Table 5 Production, shipments and inventory of the Japanese bicycle manufacturers: Six-Month Year to Date 2017 compared to Six-Month Year to Date 2016

Category	Production		Receipts (Units)	Shipments			June end Inventory (Units)
	Units	Value (JPY million)		Sales		Others (Units)	
			Units	Value (JPY million)			
6 month YTD 2017 Light bicycles	125,570	3,229	385,584	389,020	6,587	151,493	55,554
6 month YTD 2016 Light bicycles	156,072	3,832	392,158	405,501	6,999	170,195	58,027
Variance %	-19.5	-15.7	-1.7	-4.1	-5.9	-11.0	-4.3
6 month YTD 2017 Electric power assist	287,461	23,557	253,203	329,840	26,080	219,431	30,106
6 month YTD 2016 Electric power assist	287,455	23,292	200,549	284,994	21,276	203,951	27,338
Variance %	0.0	1.1	26.3	15.7	22.6	7.6	10.1
6 month YTD 2017 Miscellaneous	42,565	1,163	233,567	200,787	4,519	69,169	39,400
6 month YTD 2016 Miscellaneous	53,827	1,513	248,451	219,590	4,889	75,838	36,139
Variance %	-20.9	-23.1	-6.0	-8.6	-7.6	-8.8	9.0
6 month YTD 2017 Total	455,596	27,950	872,354	919,647	37,187	440,093	125,060
6 month YTD 2016 Total	497,354	28,638	841,158	910,085	33,163	449,984	121,504
Variance %	-8.4	-2.4	3.7	1.1	12.1	-2.2	2.9

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey (2016 figure is revised) Japan Bicycle Promotion Institute Processing and Analysis  
Due to round off, Total may not match.

Total receipts units in six-month year to date 2017 increase 3.7% compared to six-month year to date 2016. “Light bicycles” and “Miscellaneous” show decrease, on the other hand, “Electric power assist” shows great increase.

Total units of shipments sales in six-month year to date 2017 increase 1.1% compared to that of six-month year to date 2016. “Electric power assist” greatly increases.

Total value of shipments sales increases by 12.1% in six-month year to date 2017 compared to the same period of 2016. Here again, “Electric power assist” greatly increases, but “Light bicycles” and “Miscellaneous” decrease.

Total units of shipments others in six-month year to date 2017 decreases by 2.2% compared to the same period of 2016. “Electric power assist” increases, on the other hand, “Light bicycles” and “Miscellaneous” decrease. Shipments others are principally the commissioned products shipped to the consigners.

Total month end inventory in June 2017 is 125,060 units, 2.9% increase compared to June 2016.

## 2 – 3 Twelve year history of six-month year to date bicycle production

Table 6 shows a twelve year history of six-month year to date Japanese bicycle production, shipments and inventory from 2006 to 2017.

Table 6 Twelve year history of bicycle production and shipments:  
Six-Month Year to Date June end inventory by Japanese bicycle manufactures

6 month YTD	Production			Shipments			June end Inventory (Units)
	Units	Value(JPY million)	Average Unit Value(JPY)	Units	Value(JPY million)	Average Unit Value(JPY)	
2017	455,596	27,950	61,348	919,647	37,187	40,436	125,060
2016	497,354	28,638	57,581	910,085	33,163	36,439	121,504
2015	460,063	23,570	51,232	870,255	29,179	33,529	116,605
2014	507,928	24,927	49,076	996,867	30,429	30,525	116,260
2013	501,245	21,724	43,340	1,117,480	30,014	26,859	192,663
2012	572,870	23,413	40,870	1,518,578	33,996	22,387	212,882
2011	573,193	22,576	39,386	1,764,506	37,151	21,055	171,886
2010	571,753	20,103	35,160	1,720,957	32,846	19,086	210,186
2009	554,590	17,143	30,911	1,730,486	30,985	17,905	190,256
2008	582,440	14,409	24,739	1,942,549	29,031	14,945	191,694
2007	614,441	13,200	21,483	2,060,732	26,659	12,937	209,947
2006	755,461	14,282	18,905	2,281,242	27,158	11,905	232,646

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey  
(Before 2016 figure is revised)

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Production units in six-month year to date 2017 are the lowest in the last twelve years. However, production value in this period is the second highest. With these facts, the average production unit value is the highest in twelve years. Also, shipments units in six-month year to date 2017 are the tenth in twelve years, and shipments value in six-month year to date 2017 is the highest. The average shipments unit value in six-month year to date 2017 is the highest. When compared average production unit value to average shipments unit value, average production unit value has been higher than average shipments unit value for twelve consecutive years. Month end inventory of June 2017 is 125,060 units, the ninth in the last twelve years.

Chart C shows a graphic presentation of this twelve year history of Japanese bicycle unit production during the six-month year to date from 2006 to 2017 based on Table 6. Unit production shows decrease in trend.

Chart C

Twelve year history of Japanese bicycle unit production: Six-Month YTD (units)

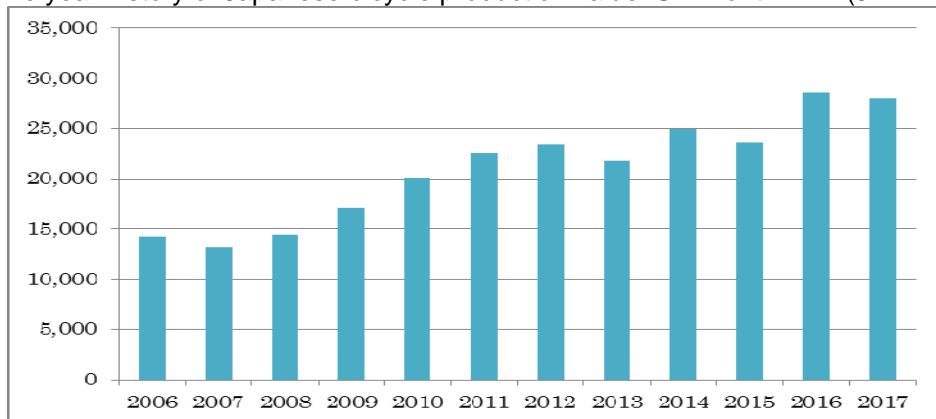


Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Processing and Analysis

Chart D shows a graphic presentation of the twelve year history of Japanese bicycle production value during the six-month year to date from 2006 to 2017 also based on Table 6.

Chart D

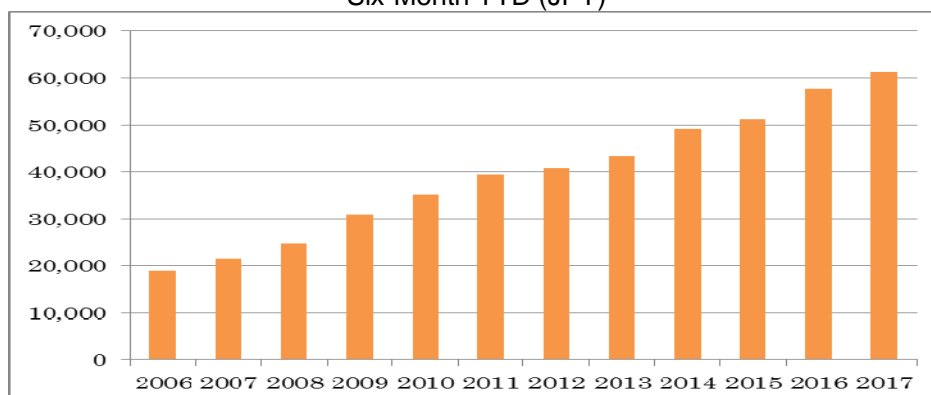
Twelve year history of Japanese bicycle production value: Six-Month YTD (JPY million)



Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Processing and Analysis

Chart E shows a graphic presentation of the twelve year history of Japanese bicycle production average unit value during the six-month year to date from 2006 to 2017 also based on Table 6. Production average unit value is increase in trend.

Chart E  
 Twelve year history of Japanese bicycle production average unit value:  
 Six-Month YTD (JPY)



Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Processing and Analysis

Table 7 shows the twelve year history of the total unit production by month.

Table 7 Twelve year history of total production units by month (units)

	Jan. total unit production	Feb. total unit production	March total unit production	April total unit production	May total unit production	June total unit production
2017	79,215	86,276	82,628	74,710	63,706	69,061
2016	82,586	88,069	94,670	81,062	72,186	78,781
2015	78,891	81,242	89,722	75,857	66,218	68,133
2014	84,512	93,408	100,416	83,216	72,121	74,255
2013	79,022	92,667	93,062	88,877	75,906	71,711
2012	96,874	105,350	106,202	95,001	85,528	83,915
2011	86,445	98,081	98,935	107,181	90,542	92,009
2010	93,923	99,424	106,524	98,097	87,516	86,269
2009	96,944	99,314	106,639	94,506	76,287	80,900
2008	97,728	104,912	121,903	96,456	82,921	78,520
2007	99,537	108,413	130,721	108,017	86,039	81,714
2006	124,909	133,470	177,599	128,017	97,944	93,522

	July total unit production	Aug. total unit production	Sep. total unit production	Oct. total unit production	Nov. total unit production	Dec. total unit production	Total unit production
2017							455,596
2016	71,533	64,278	71,472	82,749	76,539	75,100	939,025
2015	64,647	62,481	74,354	82,311	79,144	75,095	898,095
2014	74,981	62,167	68,705	81,603	78,727	77,437	951,548
2013	72,325	66,889	74,392	82,781	84,937	83,385	965,954
2012	74,820	65,045	68,721	73,476	73,695	83,687	1,012,314
2011	83,200	86,553	88,460	86,528	87,020	96,712	1,101,666
2010	75,897	72,056	77,555	82,694	86,498	90,498	1,056,951
2009	80,068	76,206	81,360	88,312	85,103	83,830	1,049,469
2008	76,552	70,488	80,661	95,816	98,763	90,212	1,094,932
2007	79,147	79,509	81,679	91,745	93,341	95,744	1,135,606
2006	87,738	94,248	94,359	105,347	99,636	97,723	1,334,512

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Processing and Analysis (Before 2016 figure is revised)

Chart F shows a graphic presentation of the twelve year history of total production units by month based on Table 7. This chart shows that the bicycle production is carried out relatively equally every month.

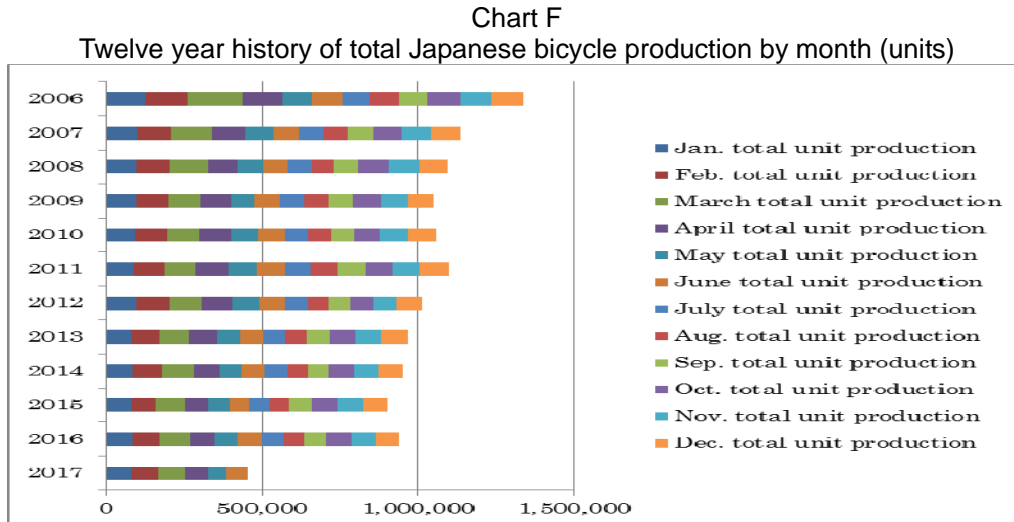


Table 8 shows a twelve year history of six-month year to date Japanese bicycle unit production by category.

**Table 8 Twelve-year history of Six-Month Year to Date  
 Japanese bicycle unit production by categories (unit)**

	Light bicycles	Electric power assist	Miscellaneous	Total
2017	125,570	287,461	42,565	455,596
2016	156,072	287,455	53,827	497,354
2015	161,228	242,150	56,685	460,063
2014	183,076	258,625	66,227	507,928
2013	203,896	227,086	70,263	501,245
2012	275,061	227,108	70,701	572,870
2011	285,584	216,638	70,971	573,193
2010	299,341	186,858	85,554	571,753
2009	303,884	154,006	96,700	554,590
2008	357,363	138,377	86,700	582,440
2007	389,936	131,511	92,994	614,441
2006	517,128	123,999	114,334	755,461

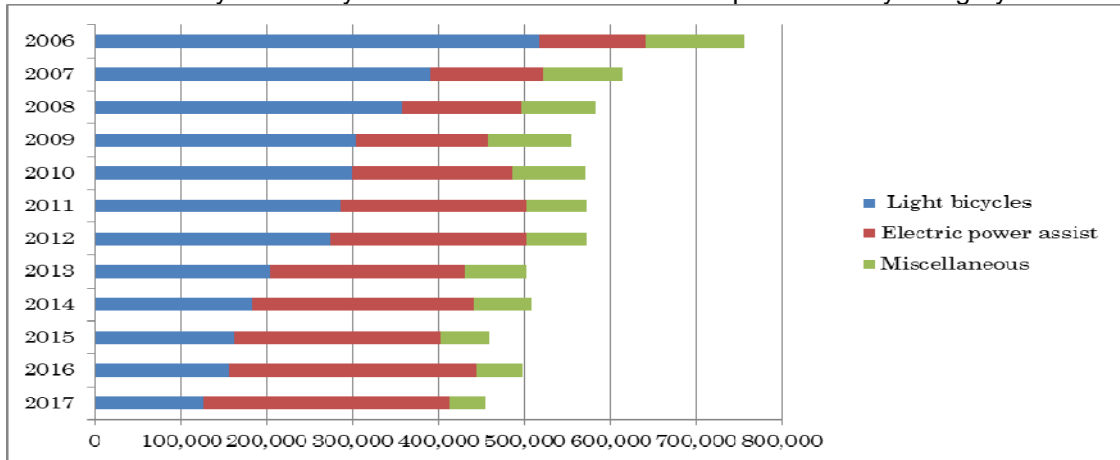
From 2011, "Children & Infant bicycles", "Mini-cycles", "Mountain bikes" and "Special bicycles" have been combined into "Miscellaneous". "Miscellaneous" between 2006 and 2010 include these four categories.

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey,  
 Japan Bicycle Promotion Institute Processing and Analysis

Chart G shows a graphic presentation of the twelve year history of six-month year to date unit production by category based on Table 8. This chart shows that "Light bicycles" are decreasing, and "Electric power assist" is increasing.



Chart G  
Twelve-year history of Six-Month Year to Date unit production by category



Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey, Japan Bicycle Promotion Institute Processing and Analysis

### 3. Japanese bicycle import

Bicycle import by category is mentioned below. To begin with, import categories and HS numbers in Japan are classified as follows. “Electric power assist bicycles” is not classified as a single category and is included in the category of “Other motorcycles” in Trade Statistics. Please note that “Other motorcycles” includes all motorcycles which are not classified in the upper layer and all electric motorcycles.

Table 9 Import categories and HS numbers

HS number and product category	Bicycle type
8712.00100 Mountain bikes	<ul style="list-style-type: none"> <li>• MTB(includes V brake or disk brake equipped)</li> <li>• Cross bikes</li> </ul>
8712.00211 Mini-cycles	<ul style="list-style-type: none"> <li>• Mini-cycles</li> <li>• Small wheel foldable bicycles</li> <li>• BMX</li> </ul>
8712.00218 Infant bicycles	<ul style="list-style-type: none"> <li>• Infant bicycles(12 – 16 inch)</li> <li>• Toy bicycles(12 inch two wheel)</li> <li>• Unicycles(12 – 16 inch)</li> </ul>
8712.00219 Children bicycles	<ul style="list-style-type: none"> <li>• Children bicycles(18 – 24 inch)</li> <li>• Junior MTB(18 – 24 inch)</li> <li>• Unicycles(18 – 24 inch)</li> </ul>
8712.00291 Light bicycles	<ul style="list-style-type: none"> <li>• Light bicycles(excludes outer derailleur equipped)</li> <li>• Single speed, sports use bicycles equipped with inner derailleur.</li> </ul>
8712.00299 Miscellaneous	<ul style="list-style-type: none"> <li>• Sports use bicycles</li> <li>• Light bicycles equipped with outer derailleur</li> <li>• Junior MTB(26 inch)</li> </ul>
8711.90000 Other Motorcycles	<ul style="list-style-type: none"> <li>• Other Motorcycles (including mopeds) and cycles fitted with an auxiliary motor, with or without side-cars; side-cars. Electric power assist bicycles are included.</li> </ul>

Source : Japan Bicycle Promotion Institute

### 3 – 1 Outline of six-month year to date 2017 bicycle import

Table 10 shows Japanese bicycle import of all product categories excluding “Other Motorcycles” in six-month year to date 2017 compared to the same period of 2016. Total units is 3,790,851, 4.6% decrease compared to the same period of 2016. On the other hand, total CIF value is JPY40,642,307 thousands, decreases by 10.1% compared to the same period of 2016, resulted in average CIF unit value of JPY10,721, 5.7% decrease.

The currency exchange rate is investigated. The average dollar-yen exchange rate during six-month year to date 2016 was US\$1=JPY113.12; however, it gets US\$1=JPY112.83 in six-month year to date 2017(Refer chief custom inspector published rate). Not a big change in currency rate. Therefore, the change in Japanese bicycle import in six-month year to date 2017 from the same period of 2016 is not attributable to the currency rate. It seems that whole import volume is shrinking; at the same time, price reduction in each import category is underway. This might be a reason of the bicycle import change in these periods.

Table 10 Japanese bicycle import:  
Six-Month Year to Date 2017 compared to Six-Month Year to Date 2016

	Total units	Total CIF Value (JPY thousand)	Average CIF unit value(JPY)
6 month YTD 2017	3,790,851	40,642,307	10,721
6 month YTD 2016	3,973,100	45,194,140	11,375
Variance	-182,249	-4,551,833	-654
Variance %	-4.6	-10.1	-5.7

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Table 10 Annex shows Six-Month Year to Date 2017 import of “Other Motorcycles” compared to the same period of 2016 for reference.

Table 10 Annex (Reference) Japanese import of “Other Motorcycles”:  
Six-Month Year to Date 2017 compared to Six-Month Year to Date 2016

	Total units	Total CIF Value (JPY thousand)	Average CIF unit value(JPY)
6 month YTD 2017	25,230	672,010	26,635
6 month YTD 2016	31,631	963,317	30,455
Variance	-6,401	-291,307	-3,819
Variance %	-20.2	-30.2	-12.5

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

### 3 – 2 Six-month year to date 2017 bicycle import by category

Table 11 shows six-month year to date 2017 Japanese bicycle import by category.

Table 11  
Japanese bicycle import in Six-Month Year to Date 2017 by category

HS number and category	Total units	Total CIF Value (JPY thousand)	Average CIF unit value(JPY)
8712.00100 Mountain bikes	92,228	1,735,326	18,816
8712.00211 Mini-cycles	91,664	1,190,832	12,991
8712.00218 Infant bicycles	266,549	1,910,499	7,168
8712.00219 Children bicycles	933,076	8,379,739	8,981
8712.00291 Light bicycles	1,147,178	10,882,336	9,486
8712.00299 Miscellaneous	1,260,156	16,543,575	13,128
Total	3,790,851	40,642,307	10,721

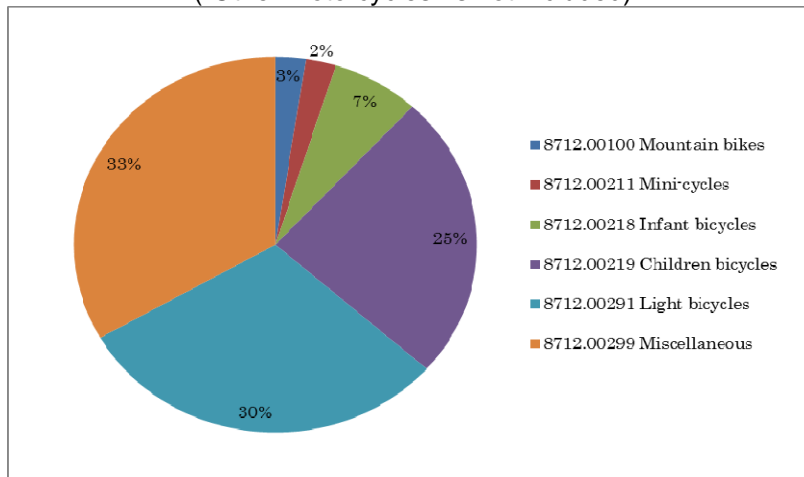
8711.90000 Other Motorcycles	25,230	672,010	26,635
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Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

The average CIF unit value of HS8712.00100 “Mountain bikes” is JPY 18,816, the highest among the categories except for “Other Motorcycles”. The average CIF unit value of HS8712.00291 “Light bicycles” is JPY9,486, and its unit volume is the second biggest, following HS8712.00299 “Miscellaneous” which includes sports use bicycles and light bicycles equipped with outer derailleur. The unit volume and total CIF value of HS8712.00299 “Miscellaneous” are the highest among the categories. Its average CIF unit value is JPY 13,128.

Chart H shows a graphic presentation of six-month year to date 2017 Japanese bicycle import unit share by category based on Table 11. “Miscellaneous” captures 33% share and “Light bicycles” captures 30% share as well.

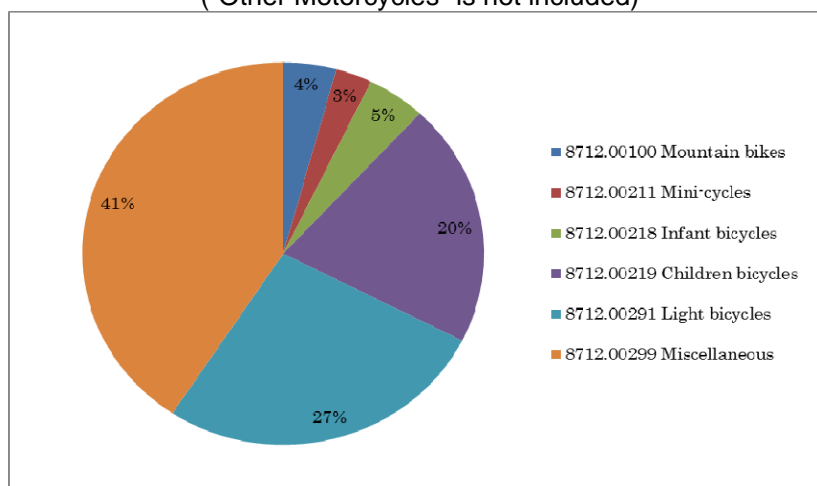
Chart H  
Six-Month YTD2017 Japanese bicycle import: Unit share by category  
 (“Other Motorcycles” is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Chart I shows a graphic presentation of six-month year to date 2017 Japanese bicycle import value share by category also based on Table 11. “Miscellaneous” captures 41% and “Light bicycles” captures 27% share.

Chart I  
Six-Month YTD2017 Japanese bicycle import: Value share by category  
("Other Motorcycles" is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Table 12 shows a six-month year to date 2017 Japanese bicycle import by category compared to the same period of the previous year. A lot of categories show decrease in both unit and value. Moreover, it also shows that relatively higher price categories show higher rate of value decrease.

Table 12 Six-Month Year to Date 2017 Japanese bicycle import by category compared to Six-Month Year to Date 2016

6 month YTD Category	2017		2016		Variance %	
	units	Total CIF value (JPY thousand)	units	Total CIF value (JPY thousand)	Units	CIF value
8712.00100 Mountain bikes	92,228	1,735,326	94,690	2,027,966	-2.6%	-14.4%
8712.00211 Mini-cycles	91,664	1,190,832	87,748	1,221,729	4.5%	-2.5%
8712.00218 Infant bicycles	266,549	1,910,499	299,749	2,086,936	-11.1%	-8.5%
8712.00219 Children bicycles	933,076	8,379,739	949,274	8,747,272	-1.7%	-4.2%
8712.00291 Light bicycles	1,147,178	10,882,336	1,254,391	12,026,091	-8.5%	-9.5%
8712.00299 Miscellaneous	1,260,156	16,543,575	1,287,248	19,084,146	-2.1%	-13.3%
Total	3,790,851	40,642,307	3,973,100	45,194,140	-4.6%	-10.1%
Average unit value (JPY)		10,721		11,375		-5.7%

8711.90000 Other Motorcycles	25,230	672,010	31,631	963,317	-20.2%	-30.2%
Average unit value (JPY)		26,635		30,455		-12.5%

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

### 3 – 3 Fifteen year history of six-month year to date bicycle import

Table 13 shows a fifteen year history of six-month year to date Japanese bicycle import.

Table 13 Fifteen-year history of Six-Month Year to Date Japanese bicycle import:  
All categories (“Other Motorcycles” is not included)

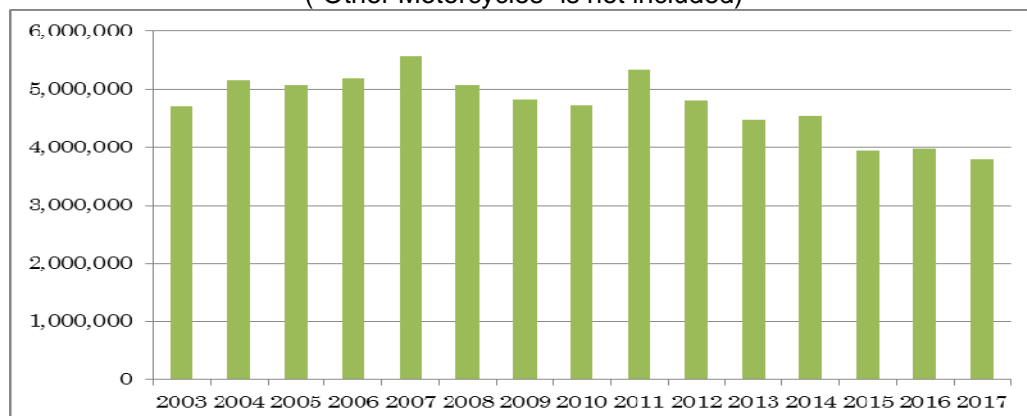
6 month YTD	Total import units	Total CIF value (JPY thousand)	Average CIF unit value(JPY)
2017	3,790,851	40,642,307	10,721
2016	3,973,100	45,194,140	11,375
2015	3,940,565	50,889,066	12,914
2014	4,537,063	47,623,581	10,497
2013	4,471,862	43,332,516	9,690
2012	4,798,280	41,064,255	8,558
2011	5,331,948	41,315,173	7,749
2010	4,723,113	36,870,424	7,806
2009	4,821,939	41,444,013	8,595
2008	5,067,152	42,007,396	8,290
2007	5,564,067	43,338,309	7,789
2006	5,176,368	37,205,484	7,188
2005	5,066,553	31,690,477	6,255
2004	5,136,236	30,997,096	6,035
2003	4,696,630	31,062,819	6,614

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Total unit import in six-month year to date 2017 is the lowest in the last fifteen years. On the other hand, total CIF value in six-month year to date 2017 is the tenth in this history; make the average CIF unit value JPY 10,721, the third highest in this period.

Chart J shows the fifteen year history of six-month year to date total import units based on Table 13.

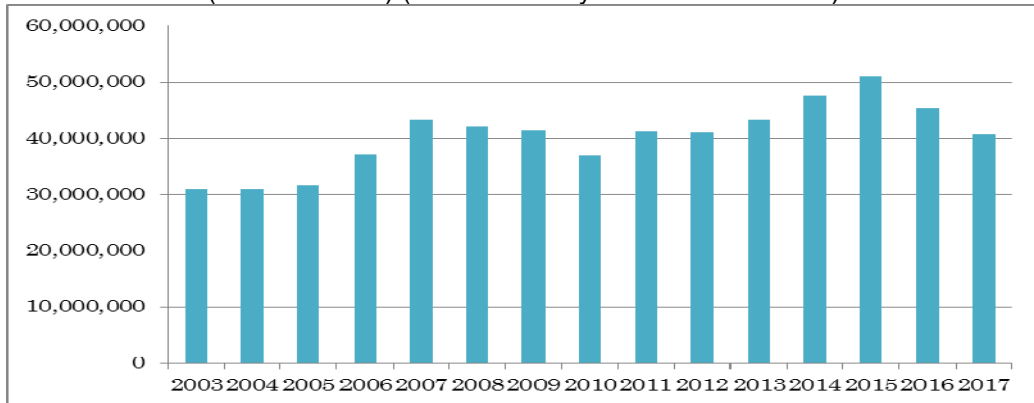
Chart J  
Fifteen year history of Six-Month YTD total Japanese bicycle unit import (units)  
 (“Other Motorcycles” is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Chart K shows the fifteen year history of six-month year to date total import CIF value also based on Table 13.

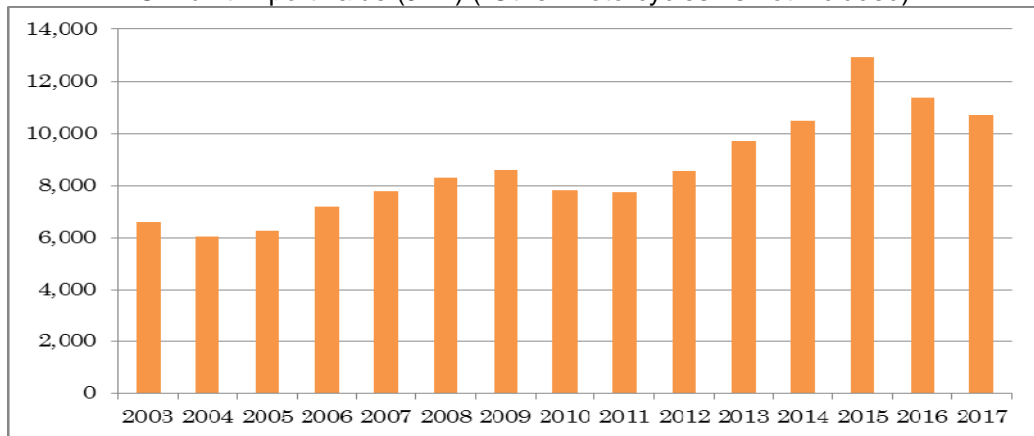
Chart K Fifteen year history of Six-Month YTD total Japanese bicycle import CIF value (JPY thousand) ("Other Motorcycles" is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan, Japan Bicycle Promotion Institute Processing and Analysis

Chart L shows the fifteen year history of six-month year to date average CIF unit import value also based on Table 13.

Chart L Fifteen year history of Six-Month YTD Japanese bicycle average CIF unit import value (JPY) ("Other Motorcycles" is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan, Japan Bicycle Promotion Institute Processing and Analysis

Table 14 shows the total unit import by month.

Table 14 Fifteen year history of total import units by month:  
 (“Other Motorcycles” is not included)

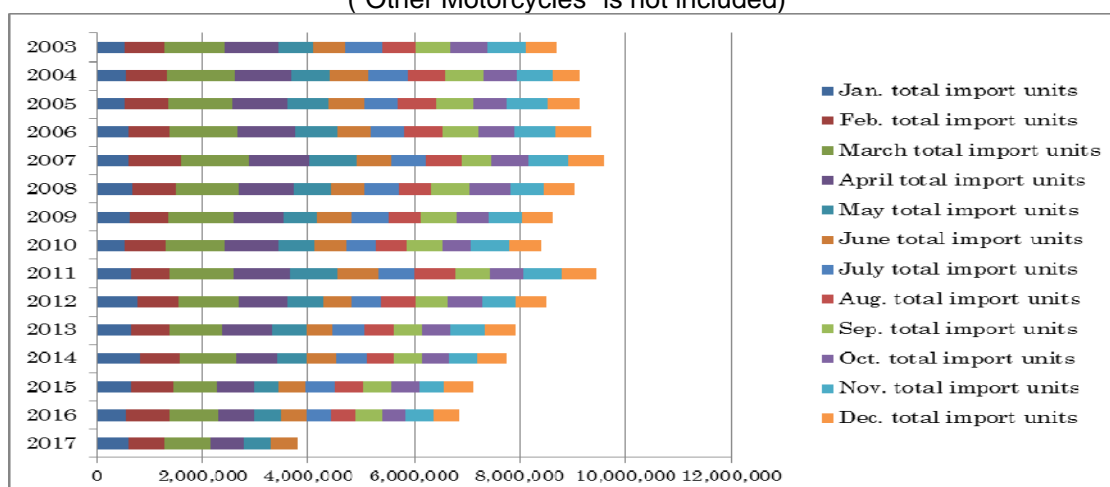
	January total import units	February total import units	March total import units	April total import units	May total import units	June total import units
2017	608,232	654,624	889,358	634,082	499,298	505,257
2016	559,379	823,009	916,762	673,000	493,419	507,531
2015	639,107	809,453	828,696	690,064	462,606	510,639
2014	800,012	758,904	1,067,576	783,049	546,090	581,432
2013	646,439	729,345	997,586	949,665	634,542	514,285
2012	759,838	779,645	1,156,072	904,565	672,252	525,908
2011	661,234	725,936	1,192,986	1,067,890	915,243	768,659
2010	529,116	759,113	1,140,340	1,002,806	691,515	600,223
2009	631,533	717,828	1,226,863	932,220	660,802	652,693
2008	679,048	809,921	1,195,076	1,041,042	718,439	623,626
2007	613,892	988,006	1,275,167	1,152,734	890,124	644,144
2006	602,545	765,063	1,303,124	1,075,231	796,610	633,795
2005	541,343	796,348	1,226,300	1,056,187	777,336	669,039
2004	556,120	767,570	1,280,277	1,081,557	727,411	723,301
2003	504,267	764,381	1,145,964	1,015,772	655,917	610,329

	July total import units	Aug. total import units	Sep. total import units	Oct. total import units	Nov. total import units	Dec. total import units	YTD total import units
2017							3,790,851
2016	460,740	464,093	509,475	438,628	518,622	484,729	6,849,387
2015	556,279	542,763	524,133	519,919	484,170	554,615	7,122,444
2014	572,129	504,218	543,409	502,832	540,165	534,548	7,734,364
2013	595,336	535,046	561,806	528,767	640,332	599,246	7,932,395
2012	586,024	629,284	631,719	642,217	649,625	562,295	8,499,444
2011	675,783	776,045	655,654	629,958	722,052	659,152	9,450,592
2010	562,581	582,646	663,734	546,459	719,973	603,440	8,401,946
2009	685,910	619,872	677,716	623,646	620,796	571,838	8,621,717
2008	646,395	612,531	729,659	770,349	625,626	582,061	9,033,773
2007	672,070	649,954	586,098	688,807	741,855	700,463	9,603,314
2006	643,767	724,797	673,445	684,487	767,415	668,893	9,339,172
2005	626,723	720,123	708,659	631,378	780,371	610,012	9,143,819
2004	755,089	715,190	699,179	653,057	648,234	531,426	9,138,411
2003	694,160	623,008	684,831	710,079	691,745	602,173	8,702,626

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
 Japan Bicycle Promotion Institute Processing and Analysis

Chart M shows a graphic presentation of the fifteen year history of total import units by month based on Table 14.

Chart M Fifteen year history of total Japanese bicycle import by month (units)  
 (“Other Motorcycles” is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
 Japan Bicycle Promotion Institute Processing and Analysis

Table 15 shows a fifteen year history of six-month year to date Japanese bicycle unit import by category.

Table 15  
 Fifteen-year history of Six-Month Year to Date Japanese bicycle unit import  
 by categories (“Other Motorcycles” is not included)

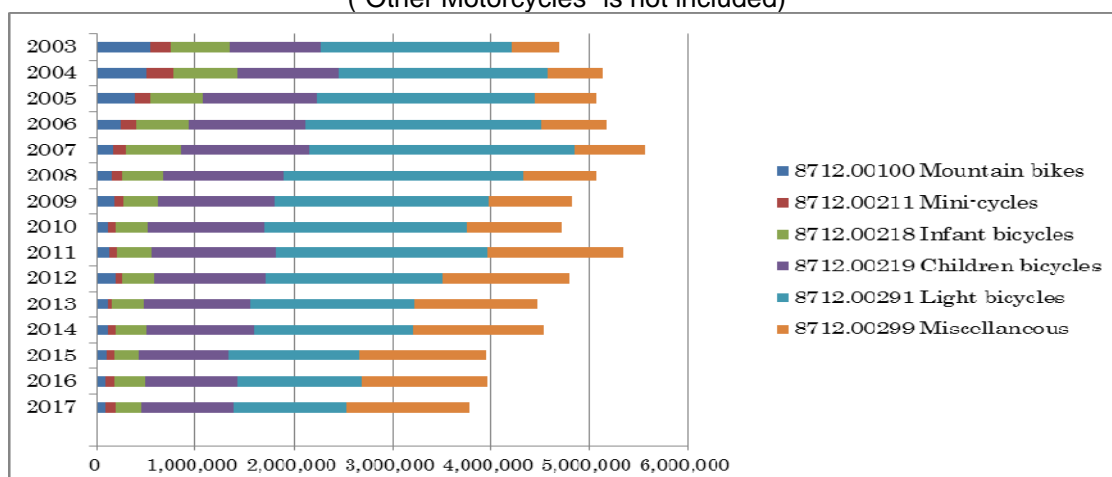
	8712.00100 Mountain bikes	8712.00211 Mini-cycles	8712.00218 Infant bicycles	8712.00219 Children bicycles	8712.00291 Light bicycles	8712.00299 Miscellaneous	Total
2017	92,228	91,664	266,549	933,076	1,147,178	1,260,156	3,790,851
2016	94,690	87,748	299,749	949,274	1,254,391	1,287,248	3,973,100
2015	107,818	65,025	254,851	901,826	1,329,178	1,281,867	3,940,565
2014	115,796	73,373	320,422	1,079,838	1,613,470	1,334,164	4,537,063
2013	112,378	36,363	328,153	1,080,442	1,656,647	1,257,879	4,471,862
2012	190,955	53,801	340,845	1,125,604	1,808,960	1,278,115	4,798,280
2011	133,186	65,450	361,109	1,252,489	2,153,138	1,366,576	5,331,948
2010	112,694	72,310	337,421	1,186,829	2,055,075	958,784	4,723,113
2009	178,663	82,579	361,821	1,183,163	2,170,068	845,645	4,821,939
2008	153,604	96,776	422,657	1,217,508	2,438,420	738,187	5,067,152
2007	165,451	140,261	550,506	1,302,037	2,681,058	724,754	5,564,067
2006	236,521	162,182	527,333	1,179,149	2,412,514	658,619	5,176,318
2005	388,361	155,871	535,139	1,154,215	2,213,253	619,714	5,066,553
2004	498,563	283,292	636,625	1,042,198	2,113,227	562,331	5,136,236
2003	551,806	199,093	589,703	928,226	1,946,648	481,154	4,696,630

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
 Japan Bicycle Promotion Institute Processing and Analysis



Chart N shows these import history.

Chart N  
Fifteen year history of Six-Month YTD Japanese bicycle unit import by category (units)  
("Other Motorcycles" is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Table 16 shows a fifteen year history of six-month year to date Japanese "Other Motorcycle" import for reference.

Table 16 (Reference)  
Fifteen year history of Six-Month YTD Japanese "Other Motorcycle" import

6 month YTD	Total import units	Total CIF value (JPY thousand)	Average CIF unit value(JPY)
2017	25,230	672,010	26,635
2016	31,631	963,317	30,455
2015	24,217	953,233	39,362
2014	27,771	1,083,202	39,005
2013	40,141	1,410,437	35,137
2012	20,507	606,910	29,595
2011	35,722	894,645	25,045
2010	50,429	1,254,666	24,880
2009	37,218	877,317	23,572
2008	29,476	679,730	23,060
2007	38,825	945,935	24,364
2006	45,506	810,855	17,819
2005	53,759	841,246	15,648
2004	59,349	838,465	14,128
2003	171,388	1,269,150	7,405

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

### 3 – 4 Main source country/area of Japanese bicycle import

Table 17 shows source countries and areas of six-month year to date 2017 Japanese bicycle import.

Table 17 Main source countries and areas of Japanese bicycle import in Six-Month Year to Date 2017  
 (“Other Motorcycles” is not included)

Source country/area	Total units	% share of total units	Total CIF Value (JPY thousand)	% share of total value	Average CIF unit value(JPY)
China	3,717,547	98.1	36,743,376	90.4	9,884
Taiwan	65,740	1.7	3,192,827	7.9	48,567
Others	7,564	0.2	706,104	1.7	93,351
Total	3,790,851	100.0	40,642,307	100.0	10,721

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
 Japan Bicycle Promotion Institute Processing and Analysis Due to round off, Total may not match.

“China” continues to be the biggest source country. It captures 98.1% of total units, and 90.4% of total CIF value. The average CIF unit value is JPY 9,884. “Taiwan” follows “China”, capturing 1.7% of total units, and 7.9% of total CIF value. The average CIF unit value is JPY 48,567. These two combined capture 99.8% of total units and 98.3% of total CIF value.

Table 18 shows Japanese bicycle import from “China” by category.

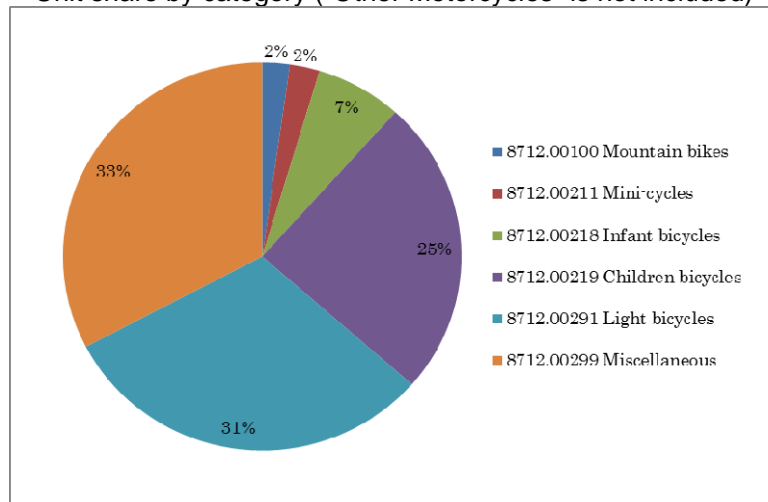
Table 18 Japanese bicycle import from “China” in Six-Month Year to Date 2017  
 by category (“Other Motorcycles” is not included)

HS number and category	Total units	Total CIF Value (JPY thousand)	Average CIF unit value(JPY)
8712.00100 Mountain bikes	82,726	1,243,616	15,033
8712.00211 Mini-cycles	90,495	1,136,438	12,558
8712.00218 Infant bicycles	259,704	1,720,801	6,626
8712.00219 Children bicycles	922,858	8,170,339	8,853
8712.00291 Light bicycles	1,145,627	10,822,481	9,447
8712.00299 Miscellaneous	1,216,137	13,649,701	11,224
Total	3,717,547	36,743,376	9,884

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
 Japan Bicycle Promotion Institute Processing and Analysis

Chart O shows a graphic presentation of six-month year to date 2017 Japanese bicycle import unit share from “China” by category based on Table 18. “Miscellaneous” captures 33% share and “Light bicycles” follows to capture 31% share. Unit import volume from “China” is so huge; therefore, this chart looks similar to Chart H which shows Japanese total unit import share by category.

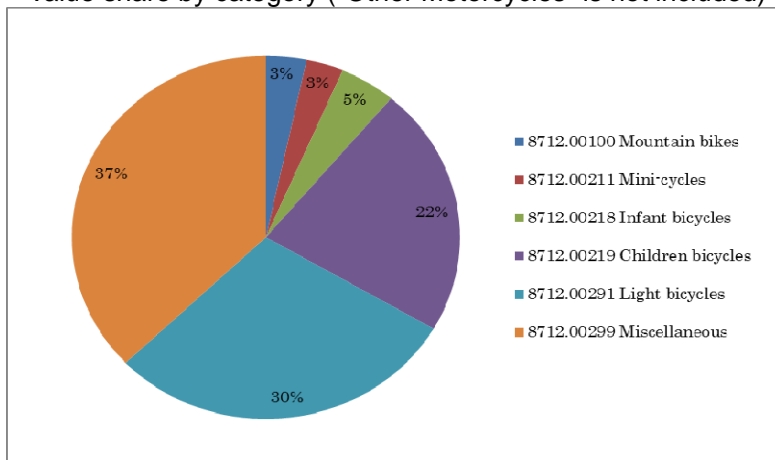
Chart O Six-Month YTD2017 Japanese bicycle import from “China”:  
Unit share by category (“Other Motorcycles” is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Chart P shows a graphic presentation of six-month year to date 2017 Japanese bicycle import value share from “China” by category also based on Table 18. “Miscellaneous” captures 37 % share and “Light bicycles” follows capturing 30% share.

Chart P Six-Month YTD2017 Japanese bicycle import from “China”:  
Value share by category (“Other Motorcycles” is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Then, Table 19 follows to show Japanese bicycle import from “Taiwan” by category.

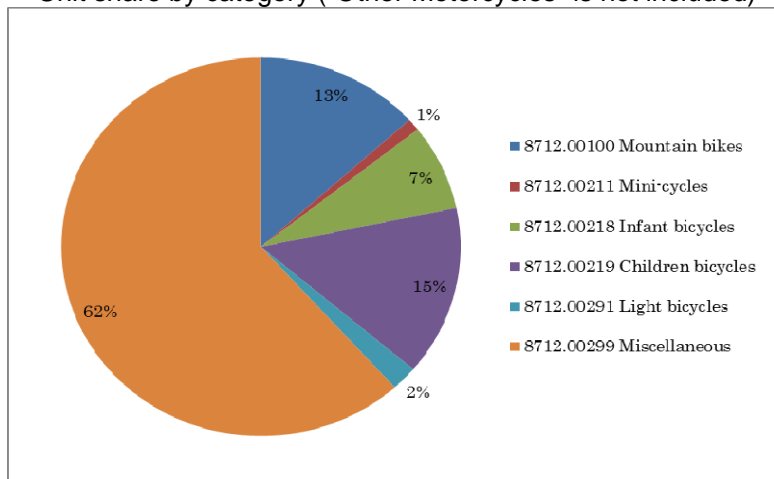
Table 19 Japanese bicycle import from “Taiwan” in Six-Month Year to Date 2017 by category (“Other Motorcycles” is not included)

HS number and category	Total units	Total CIF Value (JPY thousand)	Average CIF unit value(JPY)
8712.00100 Mountain bikes	8,767	419,753	47,879
8712.00211 Mini-cycles	671	20,890	31,133
8712.00218 Infant bicycles	4,831	35,700	7,390
8712.00219 Children bicycles	9,529	188,355	19,767
8712.00291 Light bicycles	1,394	45,148	32,387
8712.00299 Miscellaneous	40,548	2,482,981	61,236
Total	65,740	3,192,827	48,567

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan, Japan Bicycle Promotion Institute Processing and Analysis

Chart Q shows a graphic presentation of six-month year to date 2017 Japanese bicycle import unit share from “Taiwan” by category based on Table 19. This chart looks totally different from Chart H which shows total import or Chart O which shows import from “China”. “Miscellaneous” captures 62% big share and “Mountain Bikes” follows to capture 13% share. On the other hand, “Light bicycles” only captures 2% share.

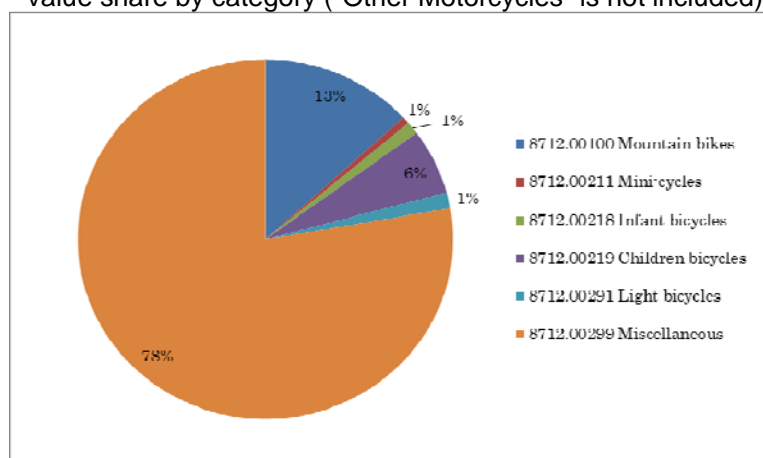
Chart Q Six-Month YTD2017 Japanese bicycle import from “Taiwan”: Unit share by category (“Other Motorcycles” is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan, Japan Bicycle Promotion Institute Processing and Analysis

Moreover, Chart R shows a graphic presentation of six-month year to date 2017 Japanese bicycle import value share from “Taiwan” by category also based on Table 19. The characteristics appear more remarkably than the unit import share. “Miscellaneous” captures 78% share and “Mountain Bikes” follows capturing 13% share. The share of “Light bicycles” is only 1%.

Chart R Six-Month YTD2017 Japanese bicycle import from “Taiwan”:  
Value share by category (“Other Motorcycles” is not included)



Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Then, Table 20 shows source countries and areas of six-month year to date 2017 Japanese “Other Motorcycles” import for reference.

Table 20 (Reference) Main source countries and areas of Japanese  
“Other Motorcycles” import in Six-Month Year to Date 2017 compared to 2016

Source country/area	Total units	% share of total units	Total CIF Value (JPY thousand)	% share of total value	Average CIF unit value(JPY)
6 month YTD 2017 China	25,147	99.7	643,785	95.8	25,601
6 month YTD 2016 China	31,078	98.3	828,432	86.0	26,657
Variance %	-5,931	1.4	-184,647	9.8	-1,056
6 month YTD 2017 Taiwan	43	0.2	6,643	1.0	154,488
6 month YTD 2016 Taiwan	405	1.3	72,170	7.5	178,198
Variance %	-362	-1.1	-65,527	-6.5	-23,709
6 month YTD 2017 Others	40	0.2	21,582	3.2	539,550
6 month YTD 2016 Others	148	0.5	62,715	6.5	423,750
Variance %	-108	-0.3	-41,133	-3.3	115,800
6 month YTD 2017 Total	25,230	100.0	672,010	100.0	26,635
6 month YTD 2016 Total	31,631	100.0	963,317	100.0	30,455
Variance %	-6,401	0.0	-291,307	0.0	-3,819

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis Due to round off, Total may not match.

#### 4. Domestic unit volume

Almost all of the Japanese bicycle export is used bicycle export to developing countries. Therefore, production units plus import units can be defined as domestic unit volume. Table 21 shows a twelve year history of six-month year to date domestic unit volume. In this period, unit production and unit import can be compared. Six-Month Year to Date 2017 domestic unit volume is 4,246,447, the lowest in the last twelve years. And its domestic production ratio is 10.7%.

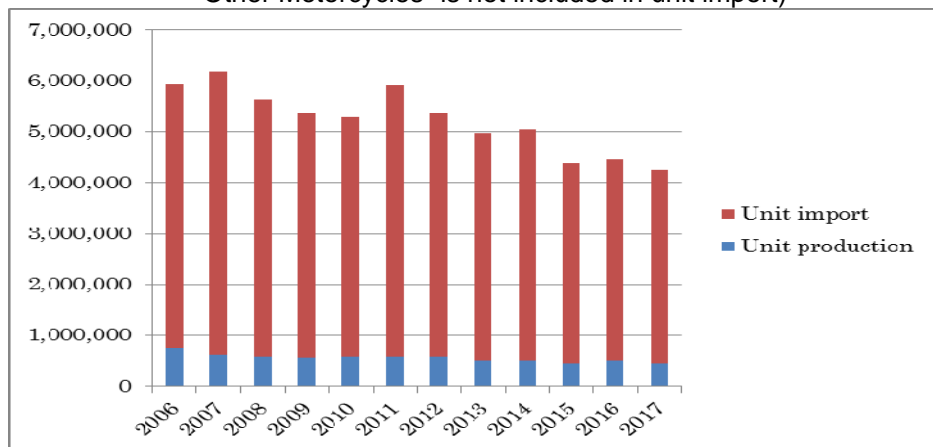
Table 21 Twelve-year history of Six-Month Year to Date  
Japanese bicycle domestic unit volume  
("Electric power assist bicycles" is included in unit production;  
"Other Motorcycles" is not included in unit import)

6 month YTD	Unit production	Unit import	Domestic unit volume	Domestic production ratio %
2017	455,596	3,790,851	4,246,447	10.7
2016	497,354	3,973,100	4,470,454	11.1
2015	460,063	3,940,565	4,400,628	10.5
2014	508,373	4,537,063	5,045,436	10.1
2013	497,252	4,471,862	4,969,114	10.0
2012	572,870	4,798,280	5,371,150	10.7
2011	573,193	5,331,948	5,905,141	9.7
2010	571,753	4,723,113	5,294,866	10.8
2009	554,590	4,821,939	5,376,529	10.3
2008	582,440	5,067,152	5,649,592	10.3
2007	614,441	5,564,067	6,178,508	9.9
2006	755,461	5,176,318	5,931,779	12.7

Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey  
(Before 2016 figure is revised)  
Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Chart S is the graphic presentation of this history.

Chart S Twelve year history of Six-Month YTD domestic bicycle unit volume (units)  
("Electric power assist bicycles" is included in unit production;  
"Other Motorcycles" is not included in unit import)



Source : Ministry of Economy, Trade and Industry (METI) Current Production Statistics Survey  
(Before 2016 figure is revised)  
Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

## 5. Japanese bicycle export

Almost all of the Japanese bicycle export is used bicycle export to developing countries. Table 22 shows main destination countries and areas of Japanese bicycle export in June 2017. Average FOB unit value clearly proves that the bicycle export is used bicycle export. In this part of the report, "Other Motorcycles" is excluded.

Table 22 June 2017 Japanese bicycle export by destination countries and areas

Destination country/area	Total units	Total FOB value (JPY thousand)	Average FOB unit value(JPY)
Ghana	51,228	76,029	1,484
Myanmar	48,594	55,382	1,140
Afghanistan	36,971	51,547	1,394
Cambodia	27,183	44,417	1,634
Iraq	26,395	45,350	1,718
Tanzania	24,488	47,096	1,923
Iran	23,090	32,879	1,424
UAE	11,472	17,821	1,553
Philippines	11,084	18,850	1,701
Nigeria	6,551	11,242	1,716
Others	24,265	49,540	2,042
Total	291,321	450,153	1,545

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis

Table 23 shows a fifteen year history of six-month year to date Japanese bicycle export from 2003 to 2017. Total units are the third largest and total value is also the third highest in the last fifteen years. The average unit value in six-month year to date 2017 is JPY 1,591, the fourth highest in the last fifteen years.

Table 23 Fifteen-year history of Six-Month Year to Date Japanese bicycle export:  
All categories

6 month YTD	Total units	Total FOB value (JPY thousand)	Average FOB unit value (JPY)
2017	1,609,644	2,560,378	1,591
2016	1,624,697	2,920,967	1,798
2015	1,741,447	3,105,750	1,783
2014	1,598,330	2,385,563	1,493
2013	1,560,970	2,090,763	1,339
2012	1,472,001	1,919,884	1,304
2011	1,229,534	1,612,630	1,312
2010	1,183,762	1,585,455	1,339
2009	1,086,363	1,498,350	1,379
2008	1,154,173	1,923,095	1,666
2007	866,620	1,118,874	1,291
2006	643,714	698,402	1,085
2005	548,346	628,453	1,146
2004	481,314	613,121	1,274
2003	370,119	519,216	1,403

Source : Ministry of Finance Japan (MOF) Trade Statistics of Japan,  
Japan Bicycle Promotion Institute Processing and Analysis