

Boeing

Deliveries and production start soft amid MAX-9 issue

Maintain Rating: BUY | PO: 255.00 USD | Price: 217.70 USD

Deliveries, production face slow start due to MAX-9 issue

According to Aero Analysis Partners/AIR (AAP/AIR), as anticipated due to the MAX-9 issue, Boeing initiated the year at a soft pace, with just one 737-8 delivered as of January 11th, contrasting sharply with the 11 737s dispatched in the same timeframe in 2023. Production also initiated at a subdued pace, and AAP anticipates a continued sluggishness in production in the near to medium term, driven by the FAA's tightened supervision of the 737 production process.

First MAX delivery to China also encounters new setbacks

Although eleven 737s slated for China have undergone pre-delivery flights, up from eight at the end of 2023, the resumption of the first delivery to China faces new delays. China Southern Airlines, originally prepared to receive MAX planes in January, now intends to conduct additional safety inspections, even though the jets to be delivered are not the same variant as the Alaska's MAX-9. Additionally, China's aviation regulator has directed airlines to undertake precautionary safety inspections on their MAX aircraft.

Potential 737-7 certification delays and mgmt. impacts

AAP highlights that the MAX-9 plug-in issue will not only impact short to medium term production rates but could also extend the 737-7 certification timeline by several months. Additionally, repercussions on Boeing's management and future composition could be impacted across all levels. Despite recent issues, we believe BA has been making steady, if not slow, progress in addressing some of the internal shortfalls that led to its current situation. We remain cautiously optimistic and maintain our Buy rating.

Estimates (Dec) (US\$)	2021A	2022A	2023E	2024E	2025E
EPS	(9.44)	(11.05)	(6.20)	2.70	7.45
GAAP EPS	(7.15)	(8.29)	(3.91)	4.58	9.15
EPS Change (YoY)	59.4%	-17.1%	43.9%	NM	175.9%
Consensus EPS (Bloomberg)			(6.11)	4.03	9.05
DPS	0	0	0	0	0
Valuation (Dec)					
P/E	NM	NM	NM	80.6x	29.2x
GAAP P/E	NM	NM	NM	47.5x	23.8x
EV / EBITDA*	NM	NM	207.8x	30.7x	20.3x
Free Cash Flow Yield*	-3.3%	1.7%	2.5%	3.3%	4.9%
* For full definitions of <i>IQ</i> method ^{≤M} measures, see page 5.					

16 January 2024

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Stock Data

Price 217.70 USD Price Objective 255.00 USD Date Established 16-Jan-2024 Investment Opinion B-1-9 52-Week Range 176.25 USD - 267.54 USD Mrkt Val (mn) / Shares Out 131,703 USD / 605.0 Free Float 99.9% Average Daily Value (mn) 1802.74 USD BofA Ticker / Exchange BA / NYS Bloomberg / Reuters BA US / BA.N ROE (2023E) NA NA Net Dbt to Eqty (Dec-2022A) ESGMeter™ High

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Refer to important disclosures on page 6 to 8. Analyst Certification on page 4. Price
Objective Basis/Risk on page 4.

Timestamp: 16 January 2024 09:38AM EST

iQprofile[™] Boeing

iQmethod [™] – Bus Performance*					
(US\$ Millions)	2021A	2022A	2023E	2024E	20251
Return on Capital Employed	-4.0%	-5.8%	-1.7%	9.6%	16.7%
Return on Equity	NM	NM	NM	NM	NM
Operating Margin	-4.7%	-5.3%	-1.2%	5.6%	8.8%
Free Cash Flow	(4,396)	2,290	3,336	4,283	6,417
iQmethod SM − Quality of Earnings*					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Cash Realization Ratio	NM	NM	NM	3.6x	1.8>
Asset Replacement Ratio	0.5x	0.6x	0.8x	0.8x	0.9
Tax Rate	14.5%	NM	NM	4.1%	13.1%
Net Debt-to-Equity Ratio	NM	NM	NM	NM	NM
Interest Cover	-1.1x	-1.5x	-0.5x	2.1x	3.8x
Income Statement Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	20251
Sales	62,286	66,608	76,541	84,398	93,001
% Change	7.1%	6.9%	14.9%	10.3%	10.2%
Gross Profit	3,049	3,530	7,134	12,863	16,512
% Change	NM	15.8%	102.1%	80.3%	28.4%
EBITDA	(758)	(1,568)	979	6,626	10,006
% Change	92.8%	-106.9%	NM	576.7%	51.0%
Net Interest & Other Income	(2,131)	(1,475)	(1,231)	(1,804)	(1,668)
Net Income (Adjusted) % Change	(5,551) 58.0%	(6,577) -18.5%	(3,755) 42.9%	1,643 NM	4,557 177.3%
Free Cash Flow Data (Dec) (US\$ Millions)	2021A	2022A	2023E	2024E	2025
Net Income from Cont Operations (GAAP)	(4,378)	(5,171)	(2,453)	2,787	5,599
Depreciation & Amortization	2,144	1,979	1,908	1,874	1,852
Change in Working Capital	(6,977)	4,139	4,324	162	(382)
Deferred Taxation Charge	NA	NA	NA	NA	NA
Other Adjustments, Net	5,795	2,565	1,050	1,021	1,021
Capital Expenditure	(980)	(1,222)	(1,493)	(1,561)	(1,674)
Free Cash Flow	-4,396	2,290	3,336	4,283	6,417
% Change	77.7%	NM	45.7%	28.4%	49.8%
Share / Issue Repurchase	42	50	45	0	C
Cost of Dividends Paid	0	0	0	0	C
Change in Debt	(5,576)	(1,276)	(4,848)	(5,000)	(6,000)
Balance Sheet Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	20251
Cash & Equivalents	8,052	14,614	8,942	8,225	8,642
Trade Receivables	2,641	2,517	2,958	3,146	3,467
Other Current Assets	97,973	92,392	92,390	87,574	84,318
Property, Plant & Equipment	10,918	10,550	10,420	10,364	10,429
Other Non-Current Assets	18,968	17,027	16,795	16,538	16,295
Total Assets Short-Term Debt	138,552 1,296	137,100 5,190	131,506 4,891	125,848 4,891	123,150 4,891
Other Current Liabilities	80,696	84,862	85,672	82,796	81,126
Long-Term Debt	56,806	51,811	85,672 47,659	82,796 42,659	36,659
Other Non-Current Liabilities	14,600	11,085	10,198	9,629	9,002
Total Liabilities	153,398	152,948	148,421	139,975	131,679
Total Equity	(14,846)	(15,848)	(16,915)	(14,128)	(8,528)
Total Equity & Liabilities	138,552	137,100	131,506	125,848	123,150
* For full definitions of <i>IO</i> method SM measures, see page 1	•	157,100	151,500	123,010	. 23, . 30

Company Sector

Aerospace

Company Description

Boeing (BA) is the world's leading aerospace company and the largest manufacturer of commercial jetliners and military aircraft combined. The different segments in the company are Commercial Airplanes, Boeing Defense, Space & Security (BDS), Boeing Global Services, and Boeing Capital Corporation, which provide financial solutions facilitating sale and delivery of Boeing commercial and military aircraft, satellites, and launch vehicles. BA is based in Chicago, Illinois.

Investment Rationale

Boeing is participating in the commercial aerospace recovery, as part of the global duopoly in large commercial aircraft manufacturing, with some company-specific challenges. Boeing is confronted with losing market share in the narrowbody jet market, refocusing it on engineering excellence and execution, and deleveraging its balance sheet. That said, we expect aircraft deliveries to return to pre-Covid levels by the mid-2020s which in turn should drive cash flow generation and the stock higher.

Stock Data

Average Daily Volume

8,280,849

Quarterly Earnings Estimates

	2022	2023
Q1	-2.75A	-1.27A
Q2	-0.37A	-0.82A
Q3	-6.18A	-3.26A
04	-1.75A	-0.86F

^{*} For full definitions of ${\it IQ} {\it method}^{\rm SM}$ measures, see page 5.



Price objective basis & risk

Boeing (BA)

Our PO of \$255 is based on the near-term average FCF of \$15/share and relative discount to the S&P500 of 0.8x (about half standard deviation above historical average). In our view, a multiple roughly in line with the historical average fairly reflects the looming aerospace recovery, strong demand for commercial jets, defense opportunities, and the lack of dividend.

Upside risks to our PO are the possible involvement of an activist shareholder, better-than-expected cash margins at 787 and/or MAX programs, the company's ability to sustain 777 delivery rates through the bridge to 777X, lower-than-expected 777X, future single-aisle and middle-of-the-market aircraft development costs.

Downside risks to our PO are as follows: Tight competition for engineering talent in the current labor market could make new product development more challenging. Execution risk on new programs and production ramp-ups (737MAX, 777X, KC-46) could result in cost overruns and margin contractions. Changes in trade policy that end in a trade war. A sharp and prolonged surge in oil prices to above \$100/bbl would be negative to aircraft demand. A downturn in commercial aviation, due to an exogenous factor, could adversely affect financial results. As aircraft are priced in USD, an unexpected rapid revaluation in the dollar could significantly affect order activity. Also, a strong dollar could improve Airbus' competitive advantage. 787 fixes could take longer than expected.

Analyst Certification

I, Ronald J. Epstein, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

US - Aerospace and Defense Coverage Cluster

nvestment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	AerCap Holdings N.V.	AER	AER US	Ronald J. Epstein
	Air Lease Corporation	AL	AL US	Ronald J. Epstein
	Boeing	BA	BA US	Ronald J. Epstein
	Booz Allen Hamilton	BAH	BAH US	Mariana Perez Mora
	BWX Technologies, Inc.	BWXT	BWXT US	Ronald J. Epstein
	CACI International	CACI	CACI US	Mariana Perez Mora
	Cadre Holdings Inc	CDRE	CDRE US	Ronald J. Epstein
	Crane Co.	CR	CR US	Ronald J. Epstein
	Embraer	ERJ	ERJ US	Ronald J. Epstein
	General Dynamics	GD	GD US	Ronald J. Epstein
	Howmet Aerospace Inc.	HWM	HWM US	Ronald J. Epstein
	KBR	KBR	KBR US	Mariana Perez Mora
	Leidos Holdings	LDOS	LDOS US	Mariana Perez Mora
	Leonardo DRS, Inc.	DRS	DRS US	Ronald J. Epstein
	Northrop Grumman	NOC	NOC US	Ronald J. Epstein
	Palantir Technologies	PLTR	PLTR US	Mariana Perez Mora
	Parsons Corporation	PSN	PSN US	Mariana Perez Mora
	RBC Bearings Inc	RBC	RBC US	Ronald J. Epstein
	Rocket Lab	RKLB	RKLB US	Ronald J. Epstein
	Teledyne Technologies Inc	TDY	TDY US	Ronald J. Epstein
	TransDigm Group Inc.	TDG	TDG US	Ronald J. Epstein
IEUTRAL				, ,
	Albany International	AIN	AIN US	Ronald J. Epstein
	Garmin	GRMN	GRMN US	Ronald J. Epstein
	HEICO Corporation	HEI	HEIUS	Ronald J. Epstein
	Hexcel Corporation	HXL	HXL US	Ronald J. Epstein

US - Aerospace and Defense Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
	L3Harris	LHX	LHX US	Ronald J. Epstein
	Lockheed Martin	LMT	LMT US	Ronald J. Epstein
	Textron	TXT	TXT US	Ronald J. Epstein
UNDERPERFORM				
	Bombardier	BDRBF	BDRBF US	Ronald J. Epstein
	Bombardier Inc.	YBBD B	BBD/B CN	Ronald J. Epstein
	CAE Inc.	YCAE	CAE CN	Ronald J. Epstein
	CAE Inc.	CAE	CAE US	Ronald J. Epstein
	Huntington Ingalls Industries	HII	HII US	Ronald J. Epstein
	Mercury Systems	MRCY	MRCY US	Ronald J. Epstein
	Raytheon Tech	RTX	RTX US	Ronald J. Epstein
	Spirit AeroSys-A	SPR	SPR US	Ronald J. Epstein
RVW				
	Triumph Group	TGI	TGI US	Ronald J. Epstein

IQmethod[™] Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) \times (1 $-$ Tax Rate) + Goodwill Amortization	Total Assets — Current Liabilities + ST Debt + Accumulated Goodwill Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations — Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt - Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt +	Sales
	Other LT Liabilities	
EV / EBITDA	Enterprise Value	Basic EBIT + Depreciation + Amortization
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**Qmethod Suis the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

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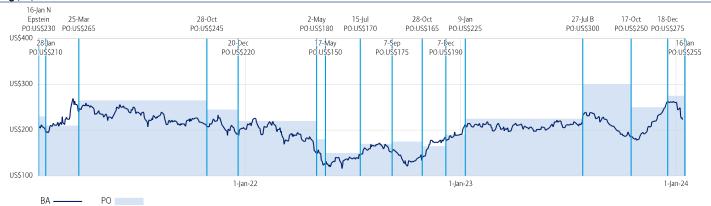
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Important Disclosures

Boeing (BA) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

Equity Investment Rating Distribution: Aerospace/Defense Electronics Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	31	62.00%	Buy	23	74.19%
Hold	11	22.00%	Hold	9	81.82%
Sell	8	16.00%	Sell	6	75.00%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

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Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster^{R2}

Buy	≥ 10%	≤ /0%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

R2Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

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