

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No. 4)*

WESCO AIRCRAFT HOLDINGS, INC.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

950814103

(CUSIP Number)

December 31, 2015

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
The Carlyle Group L.P.

2 Check the Appropriate Box if a Member of a Group

- (a)
(b)

3 SEC Use Only

4 Citizen or Place of Organization
Delaware

5 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
23,330,184

7 Sole Dispositive Power
0

8 Shared Dispositive Power
23,330,184

9 Aggregate Amount Beneficially Owned by Each Reporting Person
23,330,184

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
23.8%

12 Type of Reporting Person
PN

2

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Carlyle Group Management L.L.C.

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
Delaware

5 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
23,330,184

7 Sole Dispositive Power
0

8 Shared Dispositive Power
23,330,184

9 Aggregate Amount Beneficially Owned by Each Reporting Person
23,330,184

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
23.8%

12 Type of Reporting Person
OO (Limited Liability Company)

3

Names of Reporting Persons
Carlyle Holdings I GP Inc.

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
Delaware

5 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
23,330,184

7 Sole Dispositive Power
0

8 Shared Dispositive Power
23,330,184

9 Aggregate Amount Beneficially Owned by Each Reporting Person
23,330,184

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
23.8%

12 Type of Reporting Person
CO

Names of Reporting Persons
Carlyle Holdings I GP Sub L.L.C.

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
Delaware

	5	Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 23,330,184
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 23,330,184
	9	Aggregate Amount Beneficially Owned by Each Reporting Person 23,330,184
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> Not Applicable	
11	Percent of Class Represented by Amount in Row 9 23.8%	
12	Type of Reporting Person OO (Limited Liability Company)	

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Carlyle Holdings I L.P.

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
Delaware

	5	Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 23,330,184
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 23,330,184
	9	Aggregate Amount Beneficially Owned by Each Reporting Person 23,330,184

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable

11 Percent of Class Represented by Amount in Row 9
23.8%

12 Type of Reporting Person
PN

6

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
TC Group, L.L.C.

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
Delaware

5 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
23,330,184

7 Sole Dispositive Power
0

8 Shared Dispositive Power
23,330,184

9 Aggregate Amount Beneficially Owned by Each Reporting Person
23,330,184

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable

11 Percent of Class Represented by Amount in Row 9
23.8%

12 Type of Reporting Person
OO (Limited Liability Company)

7

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
Delaware

5 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
23,330,184

7 Sole Dispositive Power
0

8 Shared Dispositive Power
23,330,184

9 Aggregate Amount Beneficially Owned by Each Reporting Person
23,330,184

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
23.8%

12 Type of Reporting Person
OO (Limited Liability Company)

Names of Reporting Persons
Falcon Aerospace Holdings, LLC

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
Delaware

Number of
Shares
Beneficially
Owned by

5 Sole Voting Power
0

Each Reporting Person With	6	Shared Voting Power 23,330,184
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 23,330,184
9	Aggregate Amount Beneficially Owned by Each Reporting Person 23,330,184	
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> Not Applicable	
11	Percent of Class Represented by Amount in Row 9 23.8%	
12	Type of Reporting Person OO (Limited Liability Company)	

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Michael Battenfield

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
2,425

Number of Shares Beneficially Owned by Each Reporting Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
2,425

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
2,425

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

10

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Morris Benoun

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
0

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
0

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

11

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Han Sun Cho

2 Check the Appropriate Box if a Member of a Group

(a) 0
(b) 0

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
129,091

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
129,091

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
129,091

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.1%

12 Type of Reporting Person
IN

12

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Victoria J. Conner

2 Check the Appropriate Box if a Member of a Group

(a) 0
(b) 0

3 SEC Use Only

4 Citizen or Place of Organization
United States

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

5 Sole Voting Power
20,420

6 Shared Voting Power
0

7 Sole Dispositive Power
20,420

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
20,420

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

13

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Gregory Dietz

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
21,529

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
21,529

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
21,529

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

14

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Paul E. Fulchino

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
108,659

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
108,659

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
108,659

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.1%

12 Type of Reporting Person
IN

15

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
James E. Grason

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
1,000

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
1,000

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,000

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

16

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
George Hess

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

5 Sole Voting Power
0

6 Shared Voting Power
124,895

7 Sole Dispositive Power
0

8 Shared Dispositive Power
124,895

9 Aggregate Amount Beneficially Owned by Each Reporting Person
124,895

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.1%

12 Type of Reporting Person
IN

17

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
George and Lisa Hess Trust dated October 1, 2003

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
California

5 Sole Voting Power
124,895

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
124,985

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
124,895

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.1%

12 Type of Reporting Person
OO (Trust)

18

Names of Reporting Persons
John P. Jumper

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
43,940

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
43,940

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
43,940

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

Names of Reporting Persons
Sheryl Knights

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization

	5	Sole Voting Power 29,098
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 0
	7	Sole Dispositive Power 29,098
	8	Shared Dispositive Power 0
	9	Aggregate Amount Beneficially Owned by Each Reporting Person 29,098
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> Not Applicable	
11	Percent of Class Represented by Amount in Row 9 0.0%	
12	Type of Reporting Person IN	

Names of Reporting Persons
Mark Kuntz

2	Check the Appropriate Box if a Member of a Group	
	(a)	<input type="radio"/>
	(b)	<input type="radio"/>
3	SEC Use Only	
4	Citizen or Place of Organization United States	
	5	Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 0
	9	Aggregate Amount Beneficially Owned by Each Reporting Person

0

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

21

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Tommy Lee

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
3,223

7 Sole Dispositive Power
0

8 Shared Dispositive Power
3,223

9 Aggregate Amount Beneficially Owned by Each Reporting Person
3,223

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

22

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Lee Living Trust

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
California

5 Sole Voting Power
3,223

6 Shared Voting Power
0

7 Sole Dispositive Power
3,223

8 Shared Dispositive Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

9 Aggregate Amount Beneficially Owned by Each Reporting Person
3,223

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
OO (Trust)

Names of Reporting Persons
Alex Murray

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United Kingdom

	5	Sole Voting Power 207,298
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 0
	7	Sole Dispositive Power 207,298
	8	Shared Dispositive Power 0
	9	Aggregate Amount Beneficially Owned by Each Reporting Person 207,298
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> Not Applicable	
11	Percent of Class Represented by Amount in Row 9 0.2%	
12	Type of Reporting Person IN	

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Robert D. Paulson

2	Check the Appropriate Box if a Member of a Group	
	(a)	<input type="radio"/>
	(b)	<input type="radio"/>
3	SEC Use Only	
4	Citizen or Place of Organization United States	
	5	Sole Voting Power 77,932
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 0
	7	Sole Dispositive Power 77,932
	8	Shared Dispositive Power 0
	9	Aggregate Amount Beneficially Owned by Each Reporting Person 77,932

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.1%

12 Type of Reporting Person
IN

25

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
John Segovia

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
692

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
692

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
692

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

26

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
898,018

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
898,018

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
898,018

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.9%

12 Type of Reporting Person
IN

Names of Reporting Persons

Joshua Jack Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
California

Number of
Shares
Beneficially
Owned by

5 Sole Voting Power
1,278,046

Each Reporting Person With	6	Shared Voting Power 0
	7	Sole Dispositive Power 1,278,046
	8	Shared Dispositive Power 0
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,278,046	
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> Not Applicable	
11	Percent of Class Represented by Amount in Row 9 1.3%	
12	Type of Reporting Person OO (Trust)	

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Joshua Jack Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust

2	Check the Appropriate Box if a Member of a Group	
	(a)	<input type="radio"/>
	(b)	<input type="radio"/>
3	SEC Use Only	
4	Citizen or Place of Organization California	
	5	Sole Voting Power 1,278,046
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 0
	7	Sole Dispositive Power 1,278,046
	8	Shared Dispositive Power 0
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,278,046	
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> Not Applicable	

11 Percent of Class Represented by Amount in Row 9
1.3%

12 Type of Reporting Person
OO (Trust)

29

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Justin Henry Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
California

5 Sole Voting Power
1,278,046

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
1,278,046

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,278,046

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
1.3%

12 Type of Reporting Person
OO (Trust)

30

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Justin Henry Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust

2 Check the Appropriate Box if a Member of a Group

(a) 0
(b) 0

3 SEC Use Only

4 Citizen or Place of Organization
California

5 Sole Voting Power
1,278,046

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
1,278,046

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,278,046

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
1.3%

12 Type of Reporting Person
OO (Trust)

31

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Randy Snyder 2009 Extended Family Trust

2 Check the Appropriate Box if a Member of a Group

(a) 0
(b) 0

3 SEC Use Only

4 Citizen or Place of Organization
California

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

5 Sole Voting Power
1,425,448

6 Shared Voting Power
0

7 Sole Dispositive Power
1,425,448

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,425,448

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
1.5%

12 Type of Reporting Person
OO (Trust)

32

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Susan Snyder 2009 Extended Family Trust

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
California

5 Sole Voting Power
1,425,449

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
1,425,449

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,425,449

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
1.5%

12 Type of Reporting Person
OO (Trust)

33

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Todd Ian Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
California

5 Sole Voting Power
1,278,046

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
1,278,046

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,278,046

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
1.3%

12 Type of Reporting Person
OO (Trust)

34

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
Todd Ian Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
California

5 Sole Voting Power
1,278,046

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
1,278,046

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,278,046

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
1.3%

12 Type of Reporting Person
OO (Trust)

35

CUSIP No. 950814103

Schedule 13G

Names of Reporting Persons
David L. Squier

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

5 Sole Voting Power
69,988

6 Shared Voting Power
0

7 Sole Dispositive Power
69,988

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
69,988

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.1%

12 Type of Reporting Person
IN

36

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Names of Reporting Persons
Chad Wallace

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
33,852

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
33,852

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
33,852

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

37

Names of Reporting Persons
Shirley Warner

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
19,542

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
19,542

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
19,542

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares
Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

Names of Reporting Persons
Bruce Weinstein

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization

	5	Sole Voting Power 652
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 1,873
	7	Sole Dispositive Power 652
	8	Shared Dispositive Power 1,873
	9	Aggregate Amount Beneficially Owned by Each Reporting Person 2,525
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> Not Applicable	
11	Percent of Class Represented by Amount in Row 9 0.0%	
12	Type of Reporting Person IN	

Names of Reporting Persons
Hal Weinstein

2	Check the Appropriate Box if a Member of a Group	
	(a)	<input type="radio"/>
	(b)	<input type="radio"/>
3	SEC Use Only	
4	Citizen or Place of Organization United States	
Number of Shares Beneficially Owned by Each Reporting Person With	5	Sole Voting Power 243,996
	6	Shared Voting Power 0
	7	Sole Dispositive Power 243,996
	8	Shared Dispositive Power 0
9	Aggregate Amount Beneficially Owned by Each Reporting Person	

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.2%

12 Type of Reporting Person
IN

Names of Reporting Persons
Dana Wilkin

2 Check the Appropriate Box if a Member of a Group

(a)

(b)

3 SEC Use Only

4 Citizen or Place of Organization
United States

5 Sole Voting Power
2,419

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0

7 Sole Dispositive Power
2,419

8 Shared Dispositive Power
0

9 Aggregate Amount Beneficially Owned by Each Reporting Person
2,419

10 Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable

11 Percent of Class Represented by Amount in Row 9
0.0%

12 Type of Reporting Person
IN

Item 1.

- (a) Name of Issuer:
Wesco Aircraft Holdings, Inc. (the "Issuer")
-
- (b) Address of Issuer's Principal Executive Offices:
24911 Avenue Stanford
Valencia, CA 91355
-

Item 2.

- (a) Name of Person Filing:

Each of the following is hereinafter individually referred to as a "Carlyle Reporting Person" and collectively as the "Carlyle Reporting Persons." This statement is filed on behalf of:

Carlyle Group Management L.L.C.
The Carlyle Group L.P.
Carlyle Holdings I GP Inc.
Carlyle Holdings I GP Sub L.L.C.
Carlyle Holdings I L.P.
TC Group L.L.C.
TC Group IV Managing GP, L.L.C.
Falcon Aerospace Holdings, LLC

Each of the following is hereinafter individually referred to as a "Reporting Person" and collectively as the "Reporting Persons." This statement is also filed on behalf of:

Michael Battenfield
Morris Benoun
Han Sun Cho
Victoria J. Conner
Gregory Dietz
Paul E. Fulchino
James E. Grason
George Hess
George and Lisa Hess Trust dated October 1, 2003
John P. Jumper
Sheryl Knights

Mark Kuntz
Tommy Lee
Lee Living Trust
Alex Murray
Robert D. Paulson
John Segovia
Randy J. Snyder
Joshua Jack Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust
Joshua Jack Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust
Justin Henry Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust
Justin Henry Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust
Randy Snyder 2009 Extended Family Trust
Susan Snyder 2009 Extended Family Trust
Todd Ian Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust
Todd Ian Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust
David L. Squier
Chad Wallace
Shirley Warner
Bruce Weinstein
Hal Weinstein
Dana Wilkin

-
- (a) Address or Principal Business Office:
The business address of each of the Carlyle Reporting Persons is c/o The Carlyle Group, 1001 Pennsylvania Avenue, N.W., Suite 220 South, Washington, D.C. 20004-2505.

The address for each of the Reporting Persons is c/o Wesco Aircraft Holdings, Inc., 24911 Avenue Stanford, Valencia, CA 91355.

- (b) Citizenship of each Reporting Person is:

Each of the Reporting Persons is a citizen of the United States of America, except the George and Lisa Hess Trust dated October 1, 2003, the Lee Living Trust, the Joshua Jack Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust, the Joshua Jack Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust, the Justin Henry Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust, the Justin Henry Snyder Exempt

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Trust U/T Susan Snyder 2005 Grantor Trust, the Randy Snyder 2009 Extended Family Trust, the Susan Snyder 2009 Extended Family Trust, the Todd Ian Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust and the Todd Ian Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust, which are trusts organized in the State of California, and Alex Murray, who is a citizen of the United Kingdom.

- (c) Title of Class of Securities:
Common stock, \$0.001 par value per share ("Common Stock")
- (d) CUSIP Number:
950814103

Item 3.

Not applicable.

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Item 4. Ownership (a-c)

The ownership information presented below represents beneficial ownership of Common Stock of the Issuer as of December 31, 2015, based upon 97,934,609 shares of the Issuer's Common Stock outstanding as of January 28, 2016.

Reporting Person	Amount beneficially owned	Percent of class:	Sole power to vote or to direct the vote:	Shared power to vote or to direct the vote:	Sole power to dispose or to direct the disposition of:	Shared power to dispose or to direct the disposition of:
Carlyle Group Management L.L.C. (1)	23,330,184	23.8%	0	23,330,184	0	23,330,184
The Carlyle Group L.P. (1)	23,330,184	23.8%	0	23,330,184	0	23,330,184
Carlyle Holdings I GP Inc. (1)	23,330,184	23.8%	0	23,330,184	0	23,330,184
Carlyle Holdings I GP Sub L.L.C. (1)	23,330,184	23.8%	0	23,330,184	0	23,330,184
Carlyle Holdings I L.P. (1)	23,330,184	23.8%	0	23,330,184	0	23,330,184
TC Group, L.L.C. (1)	23,330,184	23.8%	0	23,330,184	0	23,330,184
TC Group IV Managing GP, L.L.C. (1)	23,330,184	23.8%	0	23,330,184	0	23,330,184
Falcon Aerospace Holdings, LLC (1)	23,330,184	23.8%	0	23,330,184	0	23,330,184
Michael Battenfield (2)	2,425	0.0%	2,425	0	2,425	0
Morris Benoun	0	0.0%	0	0	0	0
Han Sun Cho (3)	129,091	0.1%	129,091	0	129,091	0
Victoria J. Conner (4)	20,420	0.0%	20,420	0	20,420	0
Gregory Dietz (5)	21,529	0.0%	21,529	0	21,529	0
Paul E. Fulchino (6)	108,659	0.1%	108,659	0	108,659	0
James E. Grason	1,000	0.0%	1,000	0	1,000	0
George Hess (7)	124,895	0.1%	0	124,895	0	124,895
George and Lisa Hess Trust dated October 1, 2003	124,895	0.1%	124,895	0	124,985	0
John P. Jumper	43,940	0.0%	43,940	0	43,940	0
Sheryl Knights	29,098	0.0%	29,098	0	29,098	0
Mark Kuntz	0	0.0%	0	0	0	0
Tommy Lee (8)	3,223	0.0%	0	3,223	0	3,223
Lee Living Trust	3,223	0.0%	3,223	0	3,223	0
Alex Murray (9)	207,298	0.2%	207,298	0	207,298	0
Robert D. Paulson (10)	77,932	0.1%	77,932	0	77,932	0
John Segovia	692	0.0%	692	0	692	0
Randy J. Snyder (11)	898,018	0.9%	898,018	0	898,018	0
Joshua Jack Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust	1,278,046	1.3%	1,278,046	0	1,278,046	0
Joshua Jack Snyder Exempt Trust U/T Susan	1,278,046	1.3%	1,278,046	0	1,278,046	0

Snyder 2005 Grantor Trust						
Justin Henry Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust	1,278,046	1.3%	1,278,046	0	1,278,046	0
Justin Henry Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust	1,278,046	1.3%	1,278,046	0	1,278,046	0
Randy Snyder 2009 Extended Family Trust	1,425,448	1.5%	1,425,448	0	1,425,448	0
Susan Snyder 2009 Extended Family Trust	1,425,449	1.5%	1,425,449	0	1,425,449	0
Todd Ian Snyder Exempt Trust U/T Randy Snyder 2005 Grantor Trust	1,278,046	1.3%	1,278,046	0	1,278,046	0
Todd Ian Snyder Exempt Trust U/T Susan Snyder 2005 Grantor Trust	1,278,046	1.3%	1,278,046	0	1,278,046	0
David L. Squier	69,988	0.1%	69,988	0	69,988	0
Chad Wallace (12)	33,852	0.0%	33,852	0	33,852	0
Shirley Warner	19,542	0.0%	19,542	0	19,542	0
Bruce Weinstein (13)	2,525	0.0%	652	1,873	652	1,873
Hal Weinstein (14)	243,996	0.2%	243,996	0	243,996	0
Dana Wilkin	2,419	0.0%	2,419	0	2,419	0

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- (1) Falcon Aerospace Holdings, LLC. is the record holder of 23,330,184 shares of Common Stock. Carlyle Group Management L.L.C. is the general partner of The Carlyle Group L.P., which is a publicly traded entity listed on NASDAQ. The Carlyle Group L.P. is the sole shareholder of Carlyle Holdings I GP Inc., which is the managing member of Carlyle Holdings I GP Sub L.L.C., which is the general partner of Carlyle Holdings I L.P., which is the managing member of TC Group, L.L.C., which is the managing member of TC Group IV Managing GP, L.L.C., which is the managing member of Falcon Aerospace Holdings, LLC. Accordingly, each of these entities may be deemed to share beneficial ownership of the shares of common stock owned of record by Falcon Aerospace Holdings, LLC.
- (2) Mr. Battenfield has the right to acquire up to 2,425 shares of common stock pursuant to options.
- (3) Includes 19,355 shares of common stock that are beneficially owned by Mr. Cho and the right to acquire up to 109,736 additional shares of common stock pursuant to options.
- (4) Includes 16,354 shares of common stock that are beneficially owned by Ms. Conner and the right to acquire up to 4,066 additional shares of common stock pursuant to options.
- (5) Includes 11,563 shares of common stock that are beneficially owned by Mr. Dietz and the right to acquire up to 9,966 additional shares of common stock pursuant to options.
- (6) Includes 102,134 shares of common stock that are beneficially owned by Mr. Fulchino and the right to acquire up to 6,525 additional shares of common stock pursuant to options.
- (7) Consists of 124,895 shares of common stock that are held by the George and Lisa Hess Trust.

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- (8) Consists of 3,223 shares of common stock that are held by the Lee Living Trust.
- (9) Includes 77,593 shares of common stock that are beneficially owned by Mr. Murray and the right to acquire up to 129,705 additional shares of common stock pursuant to options.
- (10) Includes 72,712 shares of common stock that are beneficially owned by Mr. Paulson and the right to acquire up to 5,220 additional shares of common stock pursuant to options.
- (11) Includes 107,241 shares of common stock that are beneficially owned by Mr. Snyder and the right to acquire up to 790,777 additional shares of common stock pursuant to options.
- (12) Includes 30,702 shares of common stock that are beneficially owned by Mr. Wallace and the right to acquire up to 3,150 additional shares of common stock pursuant to options.
- (13) Includes 652 shares of common stock that are beneficially owned by Mr. Weinstein and 1,873 shares of common stock that are held by the Bruce and Aida Weinstein Family Trust.
- (14) Includes 50,905 shares of common stock that are beneficially owned by Mr. Weinstein and the right to acquire up to 193,091 additional shares of common stock pursuant to options.

Item 5. Ownership of Five Percent or Less of a Class

Not applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

Not applicable.

Item 8. Identification and Classification of Members of the Group

Not applicable.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification

Not applicable.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 2016

CARLYLE GROUP MANAGEMENT L.L.C.

By: /s/ Daniel D'Aniello
Name: Daniel D'Aniello
Title: Chairman

THE CARLYLE GROUP L.P.

By: Carlyle Group Management L.L.C., its general partner

By: /s/ Daniel D'Aniello
Name: Daniel D'Aniello
Title: Chairman

CARLYLE HOLDINGS I GP INC.

By: /s/ Daniel D'Aniello
Name: Daniel D'Aniello
Title: Chairman

CARLYLE HOLDINGS I GP SUB L.L.C.

By: Carlyle Holdings I GP Inc., its managing member

By: /s/ Daniel D'Aniello
Name: Daniel D'Aniello
Title: Chairman

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Schedule 13G

CARLYLE HOLDINGS I L.P.

By: Carlyle Holdings I GP Sub L.L.C., its general partner
By: Carlyle Holdings I GP Inc., its managing member

By: /s/ Daniel D'Aniello
Name: Daniel D'Aniello
Title: Chairman

TC GROUP, L.L.C.

By: Carlyle Holdings I L.P., its managing member

By: /s/ Daniel D'Aniello
Name: Daniel D'Aniello
Title: Chairman

TC GROUP IV MANAGING GP, L.L.C.

By: /s/ Daniel D'Aniello
Name: Daniel D'Aniello
Title: Authorized Person

FALCON AEROSPACE HOLDINGS, LLC

By: TC GROUP IV MANAGING GP, L.L.C., its Managing Member

By: /s/ Daniel D'Aniello
Name: Daniel D'Aniello
Title: Authorized Person

Michael Battenfield

by: /s/ John G. Holland, attorney-in-fact
Name: Michael Battenfield

Morris Benoun

by: /s/ John G. Holland, attorney-in-fact
Name: Morris Benoun

Han Sun Cho

by: /s/ John G. Holland, attorney-in-fact
Name: Han Sun Cho

Victoria J. Conner

by: /s/ John G. Holland, attorney-in-fact
Name: Victoria J. Conner

Gregory Dietz

by: /s/ John G. Holland, attorney-in-fact
Name: Gregory Dietz

Paul E. Fulchino

by: /s/ John G. Holland, attorney-in-fact
Name: Paul E. Fulchino

James E. Grason

by: /s/ John G. Holland, attorney-in-fact
Name: James E. Grason

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Schedule 13G

George Hess

by: /s/ John G. Holland, attorney-in-fact
Name: George Hess

George and Lisa Hess Trust dated October 1, 2003

by: /s/ John G. Holland, attorney-in-fact
Name: George and Lisa Hess Trust dated October 1, 2003

John P. Jumper

by: /s/ John G. Holland, attorney-in-fact
Name: John P. Jumper

Sheryl Knights

by: /s/ John G. Holland, attorney-in-fact
Name: Sheryl Knights

Mark Kuntz

by: /s/ John G. Holland, attorney-in-fact
Name: Mark Kuntz

Tommy Lee

by: /s/ John G. Holland, attorney-in-fact
Name: Tommy Lee

Lee Living Trust

by: /s/ John G. Holland, attorney-in-fact
Name: Lee Living Trust

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Schedule 13G

Alex Murray

by: /s/ John G. Holland, attorney-in-fact
Name: Alex Murray

Robert D. Paulson

by: /s/ John G. Holland, attorney-in-fact
Name: Robert D. Paulson

John Segovia

by: /s/ John G. Holland, attorney-in-fact
Name: John Segovia

Randy J. Snyder

by: /s/ John G. Holland, attorney-in-fact
Name: Randy J. Snyder

**Joshua Jack Snyder Exempt Trust
U/T Randy Snyder 2005 Grantor Trust**

by: /s/ John G. Holland, attorney-in-fact
Name: Joshua Jack Snyder Exempt Trust
U/T Randy Snyder 2005 Grantor Trust

**Joshua Jack Snyder Exempt Trust
U/T Susan Snyder 2005 Grantor Trust**

by: /s/ John G. Holland, attorney-in-fact
Name: Joshua Jack Snyder Exempt Trust
U/T Susan Snyder 2005 Grantor Trust

**Justin Henry Snyder Exempt Trust
U/T Randy Snyder 2005 Grantor Trust**

by: /s/ John G. Holland, attorney-in-fact
Name: Justin Henry Snyder Exempt Trust
U/T Randy Snyder 2005 Grantor Trust

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Schedule 13G

**Justin Henry Snyder Exempt Trust
U/T Susan Snyder 2005 Grantor Trust**

by: /s/ John G. Holland, attorney-in-fact
Name: Justin Henry Snyder Exempt Trust
U/T Susan Snyder 2005 Grantor Trust

Randy Snyder 2009 Extended Family Trust

by: /s/ John G. Holland, attorney-in-fact
Name: Randy Snyder 2009 Extended Family Trust

Susan Snyder 2009 Extended Family Trust

by: /s/ John G. Holland, attorney-in-fact
Name: Susan Snyder 2009 Extended Family Trust

**Todd Ian Snyder Exempt Trust
U/T Randy Snyder 2005 Grantor Trust**

by: /s/ John G. Holland, attorney-in-fact
Name: Todd Ian Snyder Exempt Trust
U/T Randy Snyder 2005 Grantor Trust

**Todd Ian Snyder Exempt Trust
U/T Susan Snyder 2005 Grantor Trust**

by: /s/ John G. Holland, attorney-in-fact
Name: Todd Ian Snyder Exempt Trust
U/T Susan Snyder 2005 Grantor Trust

David L. Squier

by: /s/ John G. Holland, attorney-in-fact

CUSIP No. 950814103

Schedule 13G

Chad Wallace

by: /s/ John G. Holland, attorney-in-fact
Name: Chad Wallace

Shirley Warner

by: /s/ John G. Holland, attorney-in-fact
Name: Shirley Warner

Bruce Weinstein

by: /s/ John G. Holland, attorney-in-fact
Name: Bruce Weinstein

Hal Weinstein

by: /s/ John G. Holland, attorney-in-fact
Name: Hal Weinstein

Dana Wilkin

by: /s/ John G. Holland, attorney-in-fact
Name: Dana Wilkin

CUSIP No. 950814103

Schedule 13G

LIST OF EXHIBITS

<u>Exhibit No.</u>	<u>Description</u>
24.1	Power of Attorney of the Carlyle Reporting Persons (incorporated by reference to Exhibit 24.1 to the Schedule 13G filed by the Reporting Persons on February 14, 2013).
24.2	Power of Attorney of the Reporting Persons (incorporated by reference to Exhibit 24.2 to the Schedule 13G filed by the Reporting Persons on February 14, 2012).
99	Joint Filing Agreement (incorporated by reference to Exhibit 99 to the Schedule 13G filed by the Reporting Persons on February 14, 2013).