Spirit AeroSystems Holdings, Inc. Form SC 13G/A February 07, 2013

SCHEDULE 13G

(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

Spirit Aerosystems Holdings, Inc.

(Name of Issuer)

Class A Common Stock

(Title of Class of Securities)

848574109

(CUSIP Number)

December 31, 2012

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

(Date of Event Which Requires Filing of this Statement)

- [X] 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).

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CUSIP No. 8485	574109 13G		
1 NAME OF REP	PORTING PERSON		
Artisan Pa	artners Holdings LP		
2 CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP actions)	(a) (b)	
Not Applic	cable		
3 SEC USE ONI	ZY		
4 CITIZENSHIP	P OR PLACE OF ORGANIZATION		
	5 SOLE VOTING POWER		
NUMBER OF	None		
SHARES BENEFICIALLY OWNED BY	6 SHARED VOTING POWER		
EACH REPORTING	9,668,451		
PERSON WITH	7 SOLE DISPOSITIVE POWER		
W.T.T.1	None		
	8 SHARED DISPOSITIVE POWER		
	10,095,075		
9 AGGREGATE A 10,095,075	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10 CHECK BOX I (see Instru	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES actions)		[_]
Not Applic	cable		
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
8.4%			
12 TYPE OF REP (see Instru	PORTING PERSON uctions)		
HC			

Page 2 of 17

1 NAME OF REPO	ORTING PERSON	
Artisan Inv	vestment Corporation	
2 CHECK THE AM		a) [_]
Not Applica	able	
3 SEC USE ONLY	Y	
4 CITIZENSHIP	OR PLACE OF ORGANIZATION	
Wisconsin		
	5 SOLE VOTING POWER	
NUMBER OF	None	
	6 SHARED VOTING POWER	
OWNED BY EACH	9,668,451	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	10,095,075	
9 AGGREGATE AN	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10,095,075		
10 CHECK BOX II	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ctions)	[_]
Not Applica	able	
11 PERCENT OF (CLASS REPRESENTED BY AMOUNT IN ROW (9)	
8.4%		
	ORTING PERSON	
HC		
	Page 3 of 17	
CUSIP No. 8485	74109 13G	
1 NAME OF REPO	ORTING PERSON	

3

Artisan	Partners Limited Partnership	
	E APPROPRIATE BOX IF A MEMBER OF A GROUP tructions)	(a) [_] (b) [_]
Not App	licable	
3 SEC USE	ONLY	
4 CITIZENS	HIP OR PLACE OF ORGANIZATION	
Delawar	e	
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES BENEFICIALLY	6 SHARED VOTING POWER	
OWNED BY EACH	9,668,451	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	10,095,075	
9 AGGREGAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10,095,	075	
	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES tructions)	[_]
Not App	licable	
11 PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
8.4%		
	REPORTING PERSON tructions)	
IA		
	Page 4 of 17	
CUSIP No. 8	48574109 13G	
1 NAME OF :	REPORTING PERSON	

Artisan Investments GP LLC

4

2	CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP	[_]
	Not Applic	abl	e	
3	SEC USE ONL	Υ		
4	CITIZENSHIP	OR	PLACE OF ORGANIZATION	
	Delaware			
		5	SOLE VOTING POWER	
	IMBER OF		None	
BEN		6	SHARED VOTING POWER	
	WNED BY EACH		9,668,451	
	PORTING PERSON	7	SOLE DISPOSITIVE POWER	
	WITH		None	
		8	SHARED DISPOSITIVE POWER	
			10,095,075	
9	AGGREGATE A	MOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	10,095,075			
10	CHECK BOX I (see Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	 [_]
	Not Applic	abl	e	
11	PERCENT OF	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
	8.4%			
12	TYPE OF REP			
	HC			
			Dans E of 17	
			Page 5 of 17	
CUS	SIP No. 8485	741	09 13G	
1	NAME OF REP	ORT	ING PERSON	
	ZFIC, Inc.			
2	CHECK THE A	PPR	DPRIATE BOX IF A MEMBER OF A GROUP	

(see Instr	uctions)	(a) [_] (b) [_]
Not Appli	cable	
3 SEC USE ON	LY	
4 CITIZENSHI	P OR PLACE OF ORGANIZATION	
Wisconsin		
	5 SOLE VOTING POWER	
NUMBER OF	None	
	6 SHARED VOTING POWER	
OWNED BY EACH	9,668,451	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	10,095,075	
10 CHECK BOX (see Instr		[_]
11 PERCENT OF 8.4%	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	PORTING PERSON uctions)	
	Page 6 of 17	
CUSIP No. 848	574109 13G	
1 NAME OF RE	PORTING PERSON	
Andrew A.	Ziegler	
2 CHECK THE	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) [_]

Not Applic	abl	e		
3 SEC USE ONL	Υ			
4 CITIZENSHIP	OR	PLACE OF ORGANIZATION		
U.S.A.				
	5	SOLE VOTING POWER		
NUMBER OF		None		
	6	SHARED VOTING POWER		
OWNED BY EACH		9,668,451		
REPORTING PERSON	7	SOLE DISPOSITIVE POWER		
WITH		None		
	8	SHARED DISPOSITIVE POWER		
		10,095,075		
9 AGGREGATE A	 MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10,095,075				
10 CHECK BOX I (see Instru		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
Not Applic	abl	e e		
11 PERCENT OF	CLA:	SS REPRESENTED BY AMOUNT IN ROW (9)		
8.4%				
12 TYPE OF REP (see Instru				
IN				
		Page 7 of 17		
CUSIP No. 8485	741	09 13G		
1 NAME OF REP	ORT:	ING PERSON		
Carlene M.	Zie	egler		
2 CHECK THE A (see Instru		OPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	

Not Applicable

3	SEC USE ONL	Υ			
4		OR	PLACE OF ORGANIZATION		
	U.S.A.				
		5	SOLE VOTING POWER		
	MBER OF		None		
BEN		6	SHARED VOTING POWER		
	WNED BY EACH		9,668,451		
	PORTING PERSON	7	SOLE DISPOSITIVE POWER		
	WITH		None		
		8	SHARED DISPOSITIVE POWER		
			10,095,075		
9	AGGREGATE AN	MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	10,095,075				
10			HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	(see Instru				[_]
	Not Applica				
11		CLA:	SS REPRESENTED BY AMOUNT IN ROW (9)		
	8.4%				
12	TYPE OF REPO				
	IN				
			Page 8 of 17		
CUS	IP No. 8485	741	09 13G		
1	NAME OF REPO	ORT:	ING PERSON		
	Artisan Par	rtne	ers Funds, Inc.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see Instructions)			(a)	[_]
				(b)	[_]
	Not Applica	able	e 		
2	SEC HSE ONLY	v			

4 CITIZE	NSHIP OR PLACE OF ORGANIZATION
Wiscon	nsin
	5 SOLE VOTING POWER
NUMBER OF	None
SHARES BENEFICIAL	LY 6 SHARED VOTING POWER
OWNED BY EACH	7,226,451
REPORTING PERSON	7 SOLE DISPOSITIVE POWER
WITH	None
	8 SHARED DISPOSITIVE POWER
	7,226,451
9 AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
7,226	.451
10 CHECK I	BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
Not. As	pplicable
	I OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
6.0%	of office Adriabatile Britison; in No. (9)
	F REPORTING PERSON
	nstructions)
IC	
	Page 9 of 17
Item 1(a)	Name of Issuer:
	Spirit Aerosystems Holdings, Inc.
Item 1(b)	Address of Issuer's Principal Executive Offices:
	3801 South Oliver, Wichita, KS 67210
Item 2(a)	Name of Person Filing:
	Artisan Partners Holdings LP ("Artisan Holdings") Artisan Investment Corporation, the general partner of Artisan Holdings ("Artisan Corp.") Artisan Partners Limited Partnership ("Artisan Partners") Artisan Investments GP LLC, the general partner of Artisan Partners ("Artisan Investments")

ZFIC, Inc., the sole stockholder of Artisan Corp. ("ZFIC") Andrew A. Ziegler Carlene M. Ziegler Artisan Partners Funds, Inc. ("Artisan Funds")

Item 2(b) Address of Principal Business Office:

Artisan Holdings, Artisan Corp., Artisan Partners, Artisan Investments, ZFIC,
Mr. Ziegler, Ms. Ziegler and Artisan Funds are all located at:

875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

Item 2(c) Citizenship:

Artisan Holdings is a Delaware limited partnership Artisan Corp. is a Wisconsin corporation Artisan Partners is a Delaware limited partnership Artisan Investments is a Delaware limited liability company ZFIC is a Wisconsin corporation Mr. Ziegler and Ms. Ziegler are U.S. citizens Artisan Funds is a Wisconsin corporation

Item 2(d) Title of Class of Securities:

Class A Common Stock

Item 2(e) CUSIP Number:

848574109

- (d) Artisan Funds is an Investment Company under section 8 of the Investment Company Act.
- (e) Artisan Partners is an investment adviser registered under section 203 of the Investment Advisers Act of 1940; Artisan Holdings is the sole limited partner of Artisan Partners; Artisan Investments is the general partner of Artisan Partners; Artisan Corp is the general partner of Artisan Holdings; ZFIC is the sole stockholder of Artisan Corp.; Mr. Ziegler and Ms. Ziegler are the principal stockholders of ZFIC.

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Item 4 Ownership (at December 31, 2012):

- (a) Amount owned "beneficially" within the meaning of rule 13d-3: 10,095,075
- (b) Percent of class:

8.4% (based on 119,656,840 shares outstanding as of October $29,\ 2012$)

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote:

None

(ii) shared power to vote or to direct the vote:

9,668,451

(iii) sole power to dispose or to direct the disposition of:

None

(iv) shared power to dispose or to direct the disposition of:

10,095,075

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:

The shares reported herein have been acquired on behalf of discretionary clients of Artisan Partners; as reported herein, Artisan Partners holds 10,095,075 shares, including 7,226,451 shares on behalf of Artisan Funds. Persons other than Artisan Partners are entitled to receive all dividends from, and proceeds from the sale of, those shares.

Not Applicable

Not Applicable

Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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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 7, 2013

ARTISAN INVESTMENT CORPORATION, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez*

ZFIC, INC.

By: Gregory K. Ramirez*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler*

ARTISAN PARTNERS FUNDS, INC.

By: Gregory K. Ramirez*

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez
Senior Vice President - Chief
Accounting Officer & Assistant
Treasurer of Artisan Investment
Corporation

Vice President of Artisan Investments GP LLC

Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A. Ziegler

Attorney-in-Fact for Carlene M. Ziegler

Chief Financial Officer, Vice President

and Treasurer of Artisan Partners Funds, Inc.

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Exhibit Index

Joint Filing Agreement dated February 7, 2013 by and among Exhibit 1 Artisan Partners Holdings LP, Artisan Investment Corporation, Artisan Partners Limited Partnership, Artisan Investments GP LLC, ZFIC, Inc., Andrew A. Ziegler, Carlene M. Ziegler and Artisan Partners Funds, Inc. Exhibit 2 Power of Attorney of ZFIC, Inc., dated August 31, 2012 Exhibit 3 Power of Attorney of Andrew A. Ziegler dated August 31, 2012 Exhibit 4 Power of Attorney of Carlene M. Ziegler dated August 31, 2012

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EXHIBIT 1

JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: February 7, 2013

ARTISAN INVESTMENT CORPORATION, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez* _____

ZFIC, INC.

By: Gregory K. Ramirez*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler* _____

ARTISAN PARTNERS FUNDS, INC.

By: Gregory K. Ramirez*

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez Senior Vice President - Chief Accounting Officer & Assistant Treasurer of Artisan Investment Corporation Vice President of Artisan Investments GP LLC Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A. Ziegler Attorney-in-Fact for Carlene M. Ziegler Chief Financial Officer, Vice President and Treasurer of Artisan Partners Funds, Inc.

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EXHIBIT 2

POWER OF ATTORNEY

The undersigned, ZFIC, Inc., hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this $31st\ day\ of\ August,\ 2012.$

ZFIC, INC.

STATE OF WISCONSIN)
) SS.
COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and

delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

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EXHIBIT 3

POWER OF ATTORNEY

The undersigned, Andrew A. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, his true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on his behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

STATE OF WISCONSIN)

OUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
-----Notary Public

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EXHIBIT 4

POWER OF ATTORNEY

The undersigned, Carlene M. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, her true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on her behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

/s/ Carlene M. Ziegler
-----Carlene M. Ziegler

STATE OF WISCONSIN)

OUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Carlene M. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

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