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

SCHEDULE 13G

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

NCS Multistage Holdings, Inc.
(Name of Issuer)

Common Stock, par value \$0.01 per share
(Title of Class of Securities)

628877102
(CUSIP Number)

Richard Terranova, Advent International 800 Boylston Street, Boston MA 02199
(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

December 31, 2017
(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 disclosures provided in a prior cover page.

The information required on 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).

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International Corporation	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 29,568,536
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 29,568,536
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 29,568,536	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 67.3%	
12.	TYPE OF REPORTING PERSON (see instructions) CO,IA	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII LLC	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 29,568,536
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 29,568,536
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 29,568,536	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 67.3%	
12.	TYPE OF REPORTING PERSON (see instructions) OO	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent-NCS Acquisition Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 29,568,536
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 29,568,536
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 29,568,536	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 67.3%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent-NCS GP LLC	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 29,568,536
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 29,568,536
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 29,568,536	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 67.3%	
12.	TYPE OF REPORTING PERSON (see instructions) OO	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	GPE VII GP Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 10,088,786
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 10,088,786
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 10,088,786	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 23.0%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	GPE VII GP (Delaware) Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 18,820,370
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 18,820,370
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 18,820,370	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 42.9%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent Partners GPE VII Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 11,828
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 11,828
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 11,828	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent Partners GPE VII-A Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 29,570
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 29,570
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 29,570	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.1%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent Partners GPE VII-B Cayman Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 289,771
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 289,771
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 289,771	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.7%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent Partners GPE VII Cayman Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 260,204
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 260,204
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 260,204	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.6%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent Partners GPE VII-A Cayman Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 68,007
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 68,007
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 68,007	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.2%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 3,693,109
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 3,693,109
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,693,109	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 8.4%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII-A Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 3,418,124
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 3,418,124
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,418,124	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.8%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII-B Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 8,589,659
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 8,589,659
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 8,589,659	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 19.6%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII-C Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 2,729,175
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 2,729,175
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,729,175	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 6.2%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII-D Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 2,211,725
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 2,211,725
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,211,725	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.0%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII-E Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 6,188,694
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 6,188,694
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 6,188,694	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 14.1%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII-F Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 798,351
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 798,351
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 798,351	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.8%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII-G Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 798,351
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 798,351
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 798,351	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.8%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Advent International GPE VII-H Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 481,968
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 481,968
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 481,968	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.1%	
12.	TYPE OF REPORTING PERSON (see instructions) PN	

Item 1.**(a) Name of Issuer**

NCS Multistage Holdings, Inc.

(b) Address of Issuer's Principal Executive Offices

19450 State Highway 249, Suite 200 Houston, Texas (281) 453-2222

Item 2.**(a) Name of Person Filing****(b) Address of Principal Business Office****(c) Citizenship**

This statement is being filed on behalf of the following Reporting Persons:

Advent International Corporation, a Delaware corporation;

Advent International GPE VII LLC, a Delaware LLC;

Advent-NCS Acquisition Limited Partnership, a Delaware limited partnership;

Advent-NCS GP LLC, a Delaware LLC;

GPE VII GP Limited Partnership, a Cayman Islands limited partnership

GPE VII GP (Delaware) Limited Partnership, a Delaware limited partnership;

Advent Partners GPE VII Limited Partnership, a Delaware limited partnership;

Advent Partners GPE VII-A Limited Partnership, a Delaware limited partnership;

Advent Partners GPE VII-B Cayman Limited Partnership, a Cayman Islands limited partnership;

Advent Partners GPE VII Cayman Limited Partnership, a Cayman Islands limited partnership;

Advent Partners GPE VII-A Cayman Limited Partnership, a Cayman Islands limited partnership;

Advent International GPE VII Limited Partnership, a Delaware limited partnership;

Advent International GPE VII-A Limited Partnership, a Cayman Islands limited partnership;

Advent International GPE VII-B Limited Partnership, a Delaware limited partnership;

Advent International GPE VII-C Limited Partnership, a Delaware limited partnership;

Advent International GPE VII-D Limited Partnership, a Delaware limited partnership;

Advent International GPE VII-E Limited Partnership, a Cayman Islands limited partnership;

Advent International GPE VII-F Limited Partnership, a Delaware limited partnership;

Advent International GPE VII-G Limited Partnership, a Delaware limited partnership; and

Advent International GPE VII-H Limited Partnership, a Cayman Islands limited partnership.

Advent International Corporation is the manager of Advent International GPE VII LLC, which in turn is the general partner of GPE VII GP Limited Partnership, GPE VII GP (Delaware) Limited Partnership, Advent Partners GPE VII Limited Partnership, Advent Partners GPE VII-A Limited Partnership, Advent Partners GPE VII-B Limited Partnership, Advent Partners GPE VII Cayman Limited Partnership, and Advent Partners GPE VII-A Cayman Limited Partnership. GPE VII GP Limited Partnership is the general partner of Advent International GPE VII-A Limited Partnership, Advent International GPE VII-E Limited Partnership, and

Advent International GPE VII-H Limited Partnership, GPE VI GP (Delaware) Limited Partnership is the general partner of Advent International GPE VII Limited Partnership, Advent International GPE VII-B Limited Partnership, Advent International GPE VII-C Limited Partnership, Advent International GPE VII-D Limited Partnership, Advent International GPE VII-F Limited Partnership, and Advent International GPE VII-G Limited Partnership. Advent-NCS GP LLC is a general partner of Advent-NCS Acquisition Limited Partnership. Advent Partners GPE VII Limited Partnership, Advent Partners GPE VII-A Limited Partnership, Advent Partners GPE VII-B Cayman Limited Partnership, Advent Partners GPE VII Cayman Limited Partnership, Advent Partners GPE VII-A Cayman Limited Partnership, Advent International GPE VII Limited Partnership, Advent International GPE VII-A Limited Partnership, Advent International GPE VII-B Limited Partnership, Advent International GPE VII-C Limited Partnership, Advent International GPE VII-D Limited Partnership, Advent International GPE VII-F Limited Partnership, Advent International GPE VII-G Limited Partnership, and Advent International GPE VII-H Limited Partnership, are members of Advent-NCS GP LLC.

The principal business address of each Reporting Person is c/o Advent International Corporation, 800 Boylston Street, Boston, MA 02199

(d) Title of Class of Securities

Common stock, par value \$0.01 per share

(e) CUSIP Number

628877102

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

Not applicable

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

	Number of Shares Beneficially Owned	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Percentage of Common Stock Outstanding
Advent International Corporation	29,568,536	29,568,536	—	29,568,536	—	67.3%
Advent International GPE VII LLC	29,568,536	29,568,536	—	29,568,536	—	67.3%
Advent-NCS Acquisition Limited Partnership	29,568,536	29,568,536	—	29,568,536	—	67.3%
Advent-NCS GP LLC	29,568,536	29,568,536	—	29,568,536	—	67.3%
GPE VII GP Limited Partnership	10,088,786	10,088,786	—	10,088,786	—	23.0%
GPE VII GP (Delaware) Limited Partnership	18,820,370	18,820,370	—	18,820,370	—	42.9%
Advent Partners GPE VII Limited Partnership	11,828	11,828	—	11,828	—	0.0%
Advent Partners GPE VII-A Limited Partnership	29,570	29,570	—	29,570	—	0.1%
Advent Partners GPE VII-B Cayman Limited Partnership	289,771	289,771	—	289,771	—	0.7%
Advent Partners GPE VII Cayman Limited Partnership	260,204	260,204	—	260,204	—	0.6%
Advent Partners GPE VII-A Cayman Limited Partnership	68,007	68,007	—	68,007	—	0.2%
Advent International GPE VII Limited Partnership	3,693,109	3,693,109	—	3,693,109	—	8.4%
Advent International GPE VII-A Limited Partnership	3,418,124	3,418,124	—	3,418,124	—	7.8%
Advent International GPE VII-B Limited Partnership	8,589,659	8,589,659	—	8,589,659	—	19.6%
Advent International GPE VII-C Limited Partnership	2,729,175	2,729,175	—	2,729,175	—	6.2%
Advent International GPE VII-D Limited Partnership	2,211,725	2,211,725	—	2,211,725	—	5.0%
Advent International GPE VII-E Limited Partnership	6,188,694	6,188,694	—	6,188,694	—	14.1%
Advent International GPE VII-F Limited Partnership	798,351	798,351	—	798,351	—	1.8%
Advent International GPE VII-G Limited Partnership	798,351	798,351	—	798,351	—	1.8%
Advent International GPE VII-H Limited Partnership	481,968	481,968	—	481,968	—	1.1%

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.

See Exhibit 2

Item 9. Notice of Dissolution of Group.

Not applicable

Item 10. Certification.

Not applicable

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.

February 12, 2018

Date

Advent International GPE VII-A Limited Partnership
Advent International GPE VII-E Limited Partnership
Advent International GPE VII-H Limited Partnership
By: GPE VII GP Limited Partnership, General Partner
By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent International GPE VII Limited Partnership
Advent International GPE VII-B Limited Partnership
Advent International GPE VII-C Limited Partnership
Advent International GPE VII-D Limited Partnership
Advent International GPE VII-F Limited Partnership
Advent International GPE VII-G Limited Partnership
By: GPE VII GP (Delaware) Limited Partnership, General Partner
By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent Partners GPE VII Limited Partnership
Advent Partners GPE VII-A Limited Partnership
Advent Partners GPE VII-B Cayman Limited Partnership
Advent Partners GPE VII Cayman Limited Partnership
Advent Partners GPE VII-A Cayman Limited Partnership
By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

GPE VII GP Limited Partnership
By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

GPE VII GP (Delaware) Limited Partnership
By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent International Corporation
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent-NCS Acquisition Limited Partnership
By: Advent-NCS GP LLC, General Partner
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent-NCS GP LLC
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

EXHIBIT INDEX

- Exhibit 1. Joint Filing Agreement as required by Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended.
- Exhibit 2. List of Members of a Group

JOINT FILING AGREEMENT PURSUANT TO RULE 13d-1(k)(1)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him, her or it contained herein, but shall not be responsible for the completeness and accuracy of the information concerning the other entities or persons, except to the extent that he, she or it knows or has reason to believe that such information is inaccurate.

February 12, 2018

Date

Advent International GPE VII-A Limited Partnership
 Advent International GPE VII-E Limited Partnership
 Advent International GPE VII-H Limited Partnership
 By: GPE VII GP Limited Partnership, General Partner
 By: Advent International GPE VII LLC, General Partner
 By: Advent International Corporation, Manager
 By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent International GPE VII Limited Partnership
 Advent International GPE VII-B Limited Partnership
 Advent International GPE VII-C Limited Partnership
 Advent International GPE VII-D Limited Partnership
 Advent International GPE VII-F Limited Partnership
 Advent International GPE VII-G Limited Partnership
 By: GPE VII GP (Delaware) Limited Partnership, General Partner
 By: Advent International GPE VII LLC, General Partner
 By: Advent International Corporation, Manager
 By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent Partners GPE VII Limited Partnership
 Advent Partners GPE VII-A Limited Partnership
 Advent Partners GPE VII-B Cayman Limited Partnership
 Advent Partners GPE VII Cayman Limited Partnership
 Advent Partners GPE VII-A Cayman Limited Partnership
 By: Advent International GPE VII LLC, General Partner
 By: Advent International Corporation, Manager
 By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

GPE VII GP Limited Partnership
By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

GPE VII GP (Delaware) Limited Partnership
By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

By: Advent International GPE VII LLC, General Partner
By: Advent International Corporation, Manager
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent International Corporation
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent-NCS Acquisition Limited Partnership
By: Advent-NCS GP LLC, General Partner
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Advent-NCS GP LLC
By: Richard Terranova, Authorized Signatory

/s/ Richard Terranova

Signature

Funds and Entities Associated with Advent International Corporation

Advent International Corporation
Advent International GPE VII LLC
Advent-NCS Acquisition Limited Partnership
Advent-NCS GP LLC
GPE VII GP Limited Partnership
GPE VII GP (Delaware) Limited Partnership
Advent Partners GPE VII Limited Partnership
Advent Partners GPE VII-A Limited Partnership
Advent Partners GPE VII-B Cayman Limited Partnership
Advent Partners GPE VII Cayman Limited Partnership
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