

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div> This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2017 or fiscal plan year beginning <u>10/01/2017</u> and ending <u>09/30/2018</u>	
A	This return/report is for: <div style="display: flex; justify-content: space-between;"> <div> ☐ a multiemployer plan </div> <div> ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) </div> </div>
	☒ a single-employer plan <div style="margin-left: 100px;">☐ a DFE (specify) _____</div>
B	This return/report is: <div style="display: flex; justify-content: space-between;"> <div> ☐ the first return/report ☐ an amended return/report </div> <div> ☐ the final return/report ☐ a short plan year return/report (less than 12 months) </div> </div>
C	If the plan is a collectively-bargained plan, check here. ▶ ☒
D	Check box if filing under: <div style="display: flex; justify-content: space-between;"> <div> ☒ Form 5558 ☐ special extension (enter description) </div> <div> ☐ automatic extension </div> <div> ☐ the DFVC program </div> </div>

Part II	Basic Plan Information—enter all requested information						
1a	Name of plan <u>MOOG INC. RETIREMENT SAVINGS PLAN</u>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">1b</td> <td>Three-digit plan number (PN) ▶ <u>002</u></td> </tr> <tr> <td>1c</td> <td>Effective date of plan <u>10/01/1984</u></td> </tr> </table>	1b	Three-digit plan number (PN) ▶ <u>002</u>	1c	Effective date of plan <u>10/01/1984</u>		
1b	Three-digit plan number (PN) ▶ <u>002</u>						
1c	Effective date of plan <u>10/01/1984</u>						
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>MOOG, INC.</u> <u>7060 SENECA ST</u> <u>ELMA, NY 14059</u>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">2b</td> <td>Employer Identification Number (EIN) <u>16-0757636</u></td> </tr> <tr> <td>2c</td> <td>Plan Sponsor's telephone number <u>716-805-2745</u></td> </tr> <tr> <td>2d</td> <td>Business code (see instructions) <u>334500</u></td> </tr> </table>	2b	Employer Identification Number (EIN) <u>16-0757636</u>	2c	Plan Sponsor's telephone number <u>716-805-2745</u>	2d	Business code (see instructions) <u>334500</u>
2b	Employer Identification Number (EIN) <u>16-0757636</u>						
2c	Plan Sponsor's telephone number <u>716-805-2745</u>						
2d	Business code (see instructions) <u>334500</u>						

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	04/10/2019	KRISTINE KARNATH
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2017)
v. 170203

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 6463
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).	
a(1) Total number of active participants at the beginning of the plan year	6a(1) 5446
a(2) Total number of active participants at the end of the plan year	6a(2) 6054
b Retired or separated participants receiving benefits	6b 130
c Other retired or separated participants entitled to future benefits	6c 1263
d Subtotal. Add lines 6a(2) , 6b , and 6c	6d 7447
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	6e 18
f Total. Add lines 6d and 6e	6f 7465
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	6g 7200
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6h 38
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2H 2J 2K 2O 2A 2F 2T 2S	
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	

9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1)** ☒ **R** (Retirement Plan Information)
- (2)** ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3)** ☐ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- (1)** ☒ **H** (Financial Information)
- (2)** ☐ **I** (Financial Information – Small Plan)
- (3)** ☒ 1 **A** (Insurance Information)
- (4)** ☒ **C** (Service Provider Information)
- (5)** ☒ **D** (DFE/Participating Plan Information)
- (6)** ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2017 Form M-1 annual report. If the plan was not required to file the 2017 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2017 This Form is Open to Public Inspection
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For calendar plan year 2017 or fiscal plan year beginning 10/01/2017 and ending 09/30/2018		
A Name of plan MOOG INC. RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 MOOG, INC.	D Employer Identification Number (EIN) 16-0757636	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier GREAT-WEST LIFE INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
84-0467907	68322	150068-01	666	10/01/2017	09/30/2018

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	46538735
5 Current value of plan's interest under this contract in separate accounts at year end	5	0

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b Premiums paid to carrier	6b	
c Premiums due but unpaid at the end of the year	6c	
d If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☒ other ▶ **GROUP ANNUITY CONTRACT**

b Balance at the end of the previous year	7b	46257321
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c Additions: (1) Contributions deposited during the year	7c(1)	3010446	
	(2) Dividends and credits	7c(2)	0
	(3) Interest credited during the year	7c(3)	948224
	(4) Transferred from separate account	7c(4)	18208815
	(5) Other (specify below)	7c(5)	396487

▶ **LOAN REPAYMENTS AND FORFEITURES**

(6) Total additions	7c(6)	22563972
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d Total of balance and additions (add lines 7b and 7c(6))	7d	68821293
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e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	5863750
(2) Administration charge made by carrier	7e(2)	6864
(3) Transferred to separate account	7e(3)	16411944
(4) Other (specify below)	7e(4)	0

(5) Total deductions	7e(5)	22282558
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f Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	46538735
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Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	
10 Nonexperience-rated contracts:			
a Total premiums or subscription charges paid to carrier		10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount.		10b	

Specify nature of costs.

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

<div>SCHEDULE C</div> <div>(Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Service Provider Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>	OMB No. 1210-0110
		2017
		This Form is Open to Public Inspection.

For calendar plan year 2017 or fiscal plan year beginning 10/01/2017 and ending 09/30/2018		
A Name of plan MOOG INC. RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 MOOG, INC.	D Employer Identification Number (EIN) 16-0757636	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
GREAT-WEST LIFE & ANNUITY INS CO
84-0467907

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

GREAT-WEST TRUST COMPANY, LLC (NY)

8515 EAST ORCHARD ROAD
GREENWOOD VILLAGE, CO 80111

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
64	RECORDKEEPER	156866	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

EMPOWER RETIREMENT ADVISORY SERVICE

8515 EAST ORCHARD ROAD
GREENWOOD VILLAGE, CO 80111

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	INVESTMENT MGMT	36595	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
GREAT-WEST LIFE & ANNUITY INS CO	15 64	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
MILLENNIUM TRUST COMPANY 820 JONES BLVD., SUITE 420 OAK BROOK, IL 60523	PAYMENTS OF UP TO \$10.00 PER ROLLOVER ACCOUNT.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
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(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 <div style="border: 1px solid black; padding: 5px; font-size: 1.2em; font-weight: bold;">2017</div> This Form is Open to Public Inspection.
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For calendar plan year 2017 or fiscal plan year beginning 10/01/2017 and ending 09/30/2018

A Name of plan MOOG INC. RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ►	002
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 MOOG, INC.	D Employer Identification Number (EIN) 16-0757636	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX 2045 FUND L		
b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.		
c EIN-PN 45-2795992-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 27509564
a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX 2050 FUND L		
b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.		
c EIN-PN 45-2796042-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 23787081
a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX 2055 FUND L		
b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.		
c EIN-PN 45-2796084-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 11727980
a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX RETIREMENT FUND L		
b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.		
c EIN-PN 45-2796126-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 34290523
a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX 2020 FUND L		
b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.		
c EIN-PN 45-2790939-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 95583151
a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX 2025 FUND L		
b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.		
c EIN-PN 45-2790976-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 100150350
a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX 2030 FUND L		
b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.		
c EIN-PN 45-2791033-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 74543912

a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX 2035 FUND L**b** Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.

c EIN-PN 45-2791065-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 49637190
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a Name of MTIA, CCT, PSA, or 103-12 IE: LIFEPATH INDEX 2040 FUND L**b** Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST CO, N.A.

c EIN-PN 45-2795948-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 34710646
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2017 This Form is Open to Public Inspection
For calendar plan year 2017 or fiscal plan year beginning <u>10/01/2017</u> and ending <u>09/30/2018</u>		
A Name of plan <u>MOOG INC. RETIREMENT SAVINGS PLAN</u>	B Three-digit plan number (PN) ►	<u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>MOOG, INC.</u>	D Employer Identification Number (EIN) <u>16-0757636</u>	

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	516265	2702891
(2) Participant contributions	1b(2)	2001850	1922969
(3) Other.....	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	0	0
(2) U.S. Government securities.....	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other.....	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common	1c(4)(B)	0	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants)	1c(7)	0	0
(8) Participant loans	1c(8)	6697220	6871508
(9) Value of interest in common/collective trusts.....	1c(9)	420609069	451940397
(10) Value of interest in pooled separate accounts.....	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	183430822	225678733
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	46257321	46538735
(15) Other	1c(15)	0	0

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	131291405	121312654
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	790803952	856967887

Liabilities

g Benefit claims payable	1g	0	0
h Operating payables	1h		
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	790803952	856967887
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	17871166	
(B) Participants	2a(1)(B)	42438064	
(C) Others (including rollovers)	2a(1)(C)	7402450	
(2) Noncash contributions	2a(2)	0	67711680
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	0	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	317940	
(F) Other	2b(1)(F)	948011	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		1265951
(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	732309	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	8184346	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		8916655
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	13995428	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	13658223	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		337205
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	95293	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		95293

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		27291007
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		16861595
c Other income	2c		10267
d Total income. Add all income amounts in column (b) and enter total.....	2d		122489653

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	55967900	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		55967900
f Corrective distributions (see instructions)	2f		2915
g Certain deemed distributions of participant loans (see instructions).....	2g		132670
h Interest expense.....	2h		0
i Administrative expenses: (1) Professional fees	2i(1)	2100	
(2) Contract administrator fees	2i(2)	0	
(3) Investment advisory and management fees	2i(3)	30638	
(4) Other	2i(4)	189495	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		222233
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		56325718

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		66163935
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unqualified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? ☐ Yes ☒ No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: FREED MAXICK CPAS, PC

(2) EIN: 45-4051133

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.).....

b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)

	Yes	No	Amount
4a		X	
4b		X	

	Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		10000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☐ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____. (See instructions.)

<div>SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Retirement Plan Information</div> <div>This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).</div> <div>▶ File as an attachment to Form 5500.</div>	<div>OMB No. 1210-0110</div> <div>2017</div> <div>This Form is Open to Public Inspection.</div>
For calendar plan year 2017 or fiscal plan year beginning 10/01/2017 and ending 09/30/2018		
A Name of plan MOOG INC. RETIREMENT SAVINGS PLAN		B Three-digit plan number (PN) ▶ 002
C Plan sponsor's name as shown on line 2a of Form 5500 MOOG, INC.		D Employer Identification Number (EIN) 16-0757636
Part I	Distributions	
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 84-1455663		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year		3
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? Yes No N/A		
If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month Day Year		
If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)		6a
b Enter the amount contributed by the employer to the plan for this plan year		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? Yes No N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? Yes No N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. Increase Decrease Both No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? Yes No		
11 a Does the ESOP hold any preferred stock? Yes No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) Yes No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market? Yes No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2017 v. 170203		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

- 14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year	14a	
b The plan year immediately preceding the current plan year	14b	
c The second preceding plan year	14c	

- 15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year	15a	
b The corresponding number for the second preceding plan year	15b	

- 16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year	16a	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	16b	

- 17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

- 18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

- 19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

- a** Enter the percentage of plan assets held as:
 Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%
- b** Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more
- c** What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

FINANCIAL STATEMENTS AND
SUPPLEMENTAL SCHEDULE

Moog Inc. Retirement Savings Plan
Years ended September 30, 2018 and 2017
With Independent Auditor's Report

MOOG INC. RETIREMENT SAVINGS PLAN
FINANCIAL STATEMENTS AND SUPPLEMENTAL SCHEDULE
YEARS ENDED SEPTEMBER 30, 2018 and 2017

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Independent Auditor's Report

To the Participants and Administrator
Moog Inc. Retirement Savings Plan

Report on the Financial Statements

We have audited the accompanying financial statements of Moog Inc. Retirement Savings Plan (the Plan), which comprise the statements of net assets available for benefits as of September 30, 2018 and 2017, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of September 30, 2018 and 2017 and the changes in net assets available for benefits for the years then ended, in accordance with accounting principles generally accepted in the United States of America.

Other Matter - Report on Supplementary Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule, Schedule H, Line 4i – Schedule of Assets (Held at End of Year) as of September 30, 2018 is presented for the purpose of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

Freed Maxick CPAs, P.C.

Buffalo, New York
March 14, 2019

MOOG INC. RETIREMENT SAVINGS PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

	September 30,	
	2018	2017
Assets:		
Investments at fair value	\$ 798,931,784	\$ 735,331,296
Investments at contract value	46,538,735	46,257,321
Receivables:		
Notes receivable from participants	6,871,508	6,697,220
Participant contributions	1,922,969	2,001,850
Employer contributions	2,702,891	516,265
	<u>11,497,368</u>	<u>9,215,335</u>
Net assets available for benefits	<u>\$ 856,967,887</u>	<u>\$ 790,803,952</u>

See accompanying Notes to Financial Statements.

MOOG INC. RETIREMENT SAVINGS PLAN

STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

	Year Ended September 30,	
	2018	2017
Additions:		
Participant contributions	\$ 42,438,064	\$ 39,294,377
Employer contributions	17,871,166	14,189,604
Participant rollovers	7,402,450	3,347,367
Net appreciation in fair value of investments	44,595,366	99,655,764
Interest and dividend income	10,182,607	5,845,639
	<u>122,489,653</u>	<u>162,332,751</u>
Deductions:		
Distributions	56,103,485	49,554,132
Administrative expenses	222,233	238,843
	<u>56,325,718</u>	<u>49,792,975</u>
Net increase	66,163,935	112,539,776
Transfer from other plans	—	541,807
Net assets available for benefits at beginning of year	<u>790,803,952</u>	<u>677,722,369</u>
Net assets available for benefits at end of year	<u>\$ 856,967,887</u>	<u>\$ 790,803,952</u>

See accompanying Notes to Financial Statements.

MOOG INC. RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018 and 2017

1. Description of Plan

The following is a brief description of the Moog Inc. Retirement Savings Plan (the Plan) and is provided for general information purposes only. Participants should refer to the Plan Document and the Summary Plan Description for complete information.

General

The Plan is a defined contribution plan sponsored by Moog Inc. (the Company or the Plan Sponsor). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA). The Administrative Committee is responsible for the oversight of the Plan, determines the appropriateness of the Plan's investment offerings and monitors investment performance.

Eligibility

As of September 30, 2018, all domestic employees of the Company are eligible to participate in the Plan immediately upon hire.

Plan Mergers and Transfers

For the plan year ended September 30, 2017, the Company transferred assets and merged the associated plan of Moog Flo-Tork into the Plan.

Notes Receivable from Participants

Notes receivable from participants (loans) are valued at their unpaid principal balance plus any accrued but unpaid interest. Loans are limited to the lesser of \$50,000 or one-half of the participant's account balance with a minimum loan of \$1,000, payable over a term not to exceed five years. Interest is charged at a rate established by the Plan and is normally fixed at origination at prime plus 1%. The loans are secured by the balance in the participant's account. Principal and interest are paid ratably through payroll deductions.

Contributions and Investments

The Plan allows for voluntary pretax contributions to the Plan in the form of a 1% to 40% salary reduction subject to the Internal Revenue Code (IRC) limits. All employees are automatically enrolled in the Plan at a deferral of 3% of eligible employee compensation to the Plan, unless the employee elects not to make such a contribution to the Plan. Employees are also automatically enrolled in 1% annual increases up to a total deferral of 10%, unless the employee makes an affirmative election to contribute at a different rate or opt out of the automatic enrollment. The Plan also allows for Roth Elective Deferrals. Participants may designate all or a portion of automatic deferrals as Roth Elective Deferrals. The Plan permits participants age 50 and older to make "catch-up" contributions as provided by the Economic Growth and Tax Relief Reconciliation Act of 2001. Contributions are directed by the participant among the available investment options.

1. Description of Plan (continued)

The Plan currently offers fourteen registered investment company funds, an investment in insurance contract, target date funds and Company Class B common stock as investment options for participants.

The Company's matching contribution is 25% of the first 2% of eligible pay that employees contribute. The Company Match is invested pursuant to participant allocation elections, which may include Company Class B common stock.

All new employees hired on or after January 1, 2008 are not eligible to participate in the Company's defined benefit pension plan. Instead, the Company makes a contribution (Retirement Contributions) for those employees to an employee-directed investment fund in the Plan. The Retirement Contributions are based on a percentage of the employee's eligible compensation and age, and are in addition to the Company Match on voluntary employee contributions.

All employees hired before January 1, 2008 elected either to remain in the defined benefit pension plan and continue to accrue benefits or to elect to stop accruing future benefits in the defined benefit pension plan as of April 1, 2008. Employees who elected to stop accruing future benefits receive the Retirement Contribution in the Plan.

The Plan also provides that the Company may make discretionary contributions. For the plan year ended September 30, 2018, the Company made a discretionary contribution to the non-executive participants in the Plan in the form of five shares of Moog Class B Stock totaling \$2,125,494. For the plan year ended September 30, 2017, the Company did not elect to make any discretionary contributions.

Rollovers represent amounts contributed to the Plan by participants from prior employer plans.

Participant Accounts

Separate accounts are maintained for each plan participant. Each participant's account is credited with the participant's contribution, Retirement Contributions, Company Match and discretionary contributions, if applicable. Plan earnings, losses and fees of the participant's investment selections are reported in the participant's account as defined by the Plan. Participant accounts are fully and immediately vested in the participant's contributions and Company Match. The Retirement Contributions vest 100% after three years of credited service, which is defined as 1,000 hours of service in a plan year. Forfeitures are used to first reduce future Retirement Contributions, secondly to offset Plan expenses and lastly reallocated to remaining participants. The benefit to which a participant is entitled is the benefit that can be provided from the participant's account. Participants may transfer all or part of their accounts, including investments in Company stock, among the other investment options in the Plan.

Distributions

Subject to certain limitations, participants may withdraw all or part of their account balance upon attainment of age 59½. Distribution of a participant's account balance is also permitted in the event of death, disability, termination of employment or immediate financial hardship, as defined in the Plan Document. Distributions are required to begin at age 70½. Distributions are made in cash except for the Company Match, which can be distributed in cash or shares. Participants have the option to also receive the balances from their contributions in employer securities in either cash or shares. For distributions of Moog Class B Stock from the employer securities funds and matching account balances (for shares purchased after January 1, 1999), the shares of stock will carry a restrictive legend and the Company will have a right of first refusal at the time of sale, transfer or pledging of those shares.

1. Description of Plan (continued)

Administrative Expenses

Certain costs of administering the Plan are borne by the Company, while others are borne by the Plan. Fees borne by the Plan include loan origination fees, investment management fees and recordkeeping fees. Loan origination fees are charged to the participant's account balance at the time the loan is processed. Investment management fees are allocated to all participants invested in the fund that charges the fee on a pro rata basis of account balances. Recordkeeping fees are only charged to participants that meet the minimum balance criteria.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements are presented on the accrual basis of accounting.

Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles in the United States requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

Valuation of Investments and Income Recognition

Investments are reported at fair value, except for the fully benefit-responsive investment contract, which is reported at contract value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 3 for discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade date basis. Net appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year. Dividends are recorded on the ex-dividend date. Interest income is recorded on an accrual basis.

Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the Statements of Net Assets Available for Benefits.

Payment of Benefits

Benefits are recorded when paid.

Subsequent Events

These financial statements have not been updated for subsequent events occurring after March 14, 2019 which is the date these financial statements were available to be issued.

3. Fair Value

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Depending on the nature of the asset or liability, various techniques and assumptions can be used to estimate fair value. The definition of the fair value hierarchy is as follows:

Level 1 - Quoted prices in active markets for identical assets and liabilities.

Level 2 - Observable inputs other than quoted prices in active markets for similar assets and liabilities.

Level 3 - Inputs for which significant valuation assumptions are unobservable in a market and therefore value is based on the best available data, some of which is internally developed and considers risk premiums that a market participant would require.

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes to the methodologies used at September 30, 2018 and 2017.

The Plan's assets are invested in shares of registered investment companies, employer securities, common collective trust funds and an investment in insurance contract.

Shares of registered investment companies: Consists of both equity and fixed income mutual funds. Valued at quoted market prices that represent the net asset value of shares held by the Plan at year end.

Employer securities: Certain assets of the Plan are invested in employer securities through a unitized stock fund, which includes common stock of Moog Inc. (Class B) and investments in a money market fund for liquidity purposes. Money market funds are stated at cost, which approximates fair value.

Common collective trust funds: Consist of pools of investments used by institutional investors to obtain exposure to equity and fixed income markets. Common collective trust funds held by the Plan invest in target date funds. Shares held in common collective trusts are reported at the net unit value of units held at year end. The unit value is determined by the total value of fund assets divided by the total number of units of the fund owned.

3. Fair Value (continued)

The following table presents the fair values and classification of the Plan's investments measured on a recurring basis as of September 30, 2018 and 2017:

	Assets at Fair Value as of September 30, 2018:			
	Level 1	Level 2	Level 3	Total
Shares of registered investment companies:				
Domestic:				
Large cap stocks	\$ 107,844,892	\$ —	\$ —	\$ 107,844,892
Other	92,299,397	—	—	92,299,397
International	25,534,444	—	—	25,534,444
Employer securities	121,312,654	—	—	121,312,654
Total investments in fair value hierarchy	346,991,387	—	—	346,991,387
Investments measured at NAV practical expedient (1)				451,940,397
Total investments at fair value	\$ 346,991,387	\$ —	\$ —	\$ 798,931,784

	Assets at Fair Value as of September 30, 2017:			
	Level 1	Level 2	Level 3	Total
Shares of registered investment companies:				
Domestic:				
Large cap stocks	\$ 84,784,526	\$ —	\$ —	\$ 84,784,526
Other	75,569,103	—	—	75,569,103
International	23,077,193	—	—	23,077,193
Employer securities	131,291,405	—	—	131,291,405
Total investments in fair value hierarchy	314,722,227	—	—	314,722,227
Investments measured at NAV practical expedient (1)				420,609,069
Total investments at fair value	\$ 314,722,227	\$ —	\$ —	\$ 735,331,296

⁽¹⁾ Per adoption of ASU 2015-07, certain investments that are measured at fair value using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the statement of net assets available for benefits.

4. Fair Value of Investments that Use NAV Practical Expedient

The following table summarizes investments measured at fair value based on net asset value (NAV) per share as of September 30, 2018 and 2017, respectively:

	Fair Value as of September 30,		Unfunded	Redemption	Redemption
	2018	2017	Commitments	Frequency	Notice Period
Common collective trusts	\$ 451,940,397	\$ 420,609,069	\$ —	Daily	None

5. Income Tax Status

The Internal Revenue Service has determined and informed the Plan Sponsor by a letter dated June 29, 2012, that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code (IRC); therefore, the related trust is exempt from taxation. The Plan is required to operate in conformity with the IRC to maintain its qualification. Although the Plan has been amended since receiving this favorable determination letter, the Plan administrator and the Plan's tax counsel believe that the Plan is being operated in compliance with the applicable requirements of the IRC and, therefore, believe that the Plan, as amended, is qualified and the related trust is tax-exempt. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

6. Plan Termination

Although it has not expressed intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. If such termination were to occur, the Company will instruct the trustee to either continue the management of the trust's assets or liquidate the trust and distribute the assets to the participants in accordance with the Plan Document.

7. Investment in Insurance Contract

The Plan has a group annuity contract with Great-West Life & Annuity Insurance Company. The group annuity contract, Key Guaranteed Portfolio Fund, is a fixed account that is part of the general account of Great-West Life & Annuity Insurance Company. The methodology for calculating the interest crediting rate is based on the earnings of the underlying assets in the entire medium long-term new portfolio compared to the minimum interest crediting rate (which will never be less than 0% as stated in the contract), and prevailing market conditions. Interest crediting rate is reset quarterly. At September 30, 2018 and 2017, the Key Guaranteed Portfolio Fund's fair value equaled its contract value. As described in Note 2, contract value is the relevant measurement attribute for this Fund.

Certain events limit the ability of the Plan to transact at contract value with the issuer. Such events include premature termination of the contracts by the Plan, plant closings, layoffs, plan termination, bankruptcy, mergers and early retirement incentives. The Plan does not believe that any events which would limit the Plan's ability to transact at contract value with participants are probable of occurring. There are no reserves against contract value for credit risk of the contract issuer or otherwise.

8. Related Party Transactions

Participants of the Plan may elect to invest in Moog Inc. Class B common stock within the Moog Inc. Common Stock Fund. Moog Inc. is the Plan Sponsor. Additionally, Plan investments include accounts with Great-West Financial Plan Services, LLC (Great-West), the Plan trustee. These transactions qualify as party-in-interest transactions. Net investment gains from investments sponsored by Great-West, Moog Inc. and participant loans for the plan year ended September 30, 2018 and 2017, amounted to \$1,698,661 and \$40,687,260, respectively.

9. Reconciliation of Financial Statements to Form 5500

The following is a reconciliation of net assets available for benefits per the financial statements to the Form 5500 as of September 30, 2018 and 2017:

	<u>2018</u>	<u>2017</u>
Net assets available for benefits per the financial statements	\$ 856,967,887	\$ 790,803,952
Differences in:		
Investments	6,871,508	6,697,220
Notes receivable from participants	(6,871,508)	(6,697,220)
Net assets available for benefits per Form 5500	<u>\$ 856,967,887</u>	<u>\$ 790,803,952</u>

Schedule H, Line 4i – Schedule of Assets
(Held at End of Year)
September 30, 2018

Identity of Issuer	Description	Current Value
BlackRock Lifepath Index Retirement	Target Date Fund	\$ 34,290,523
BlackRock Lifepath Index 2020	Target Date Fund	95,583,151
BlackRock Lifepath Index 2025	Target Date Fund	100,150,350
BlackRock Lifepath Index 2030	Target Date Fund	74,543,912
BlackRock Lifepath Index 2035	Target Date Fund	49,637,190
BlackRock Lifepath Index 2040	Target Date Fund	34,710,646
BlackRock Lifepath Index 2045	Target Date Fund	27,509,564
BlackRock Lifepath Index 2050	Target Date Fund	23,787,081
BlackRock Lifepath Index 2055	Target Date Fund	11,727,980
Common Collective Trusts		<u>451,940,397</u>
Vanguard Institutional Index Fund	Mutual Fund	58,779,863
Vanguard Windsor Fund	Mutual Fund	22,532,059
American Euro Pacific Growth	Mutual Fund	19,034,221
JPMorgan Large Cap Growth Fund	Mutual Fund	26,532,970
Vanguard Small Cap Index Fund	Mutual Fund	19,957,482
Pimco Income Fund Institutional Class	Mutual Fund	14,230,650
Vanguard Mid Cap Index Fund	Mutual Fund	15,140,859
T Rowe Price Diversified Small	Mutual Fund	14,512,577
Vanguard Total Bond Market Index Fund	Mutual Fund	10,699,445
Pimco Real Return Fund	Mutual Fund	6,133,983
JPMorgan Small Cap Growth Fund	Mutual Fund	4,866,643
Vanguard Total Intl Stock Index	Mutual Fund	6,500,223
Victory Sycamore Established Value Fund	Mutual Fund	3,477,337
Goldman Sachs Growth Opportunities	Mutual Fund	3,280,421
Shares of Registered Investment Companies		<u>225,678,733</u>
*Moog Inc.	Class B Common Stock	121,312,654
Employer Securities		<u>121,312,654</u>
*Key Guaranteed Portfolio Fund	Group Annuity Contract	46,538,735
Investment in Insurance Contract		<u>46,538,735</u>
*Participant loans	Loans maturing at various dates through September 24, 2023 and bearing interest at rates ranging from 3.25% to 10.50%	6,871,508
Total Investments		<u>\$ 852,342,027</u>

*Denotes a party-in-interest

Schedule H, Line 4i – Schedule of Assets
(Held at End of Year)
September 30, 2018

Identity of Issuer	Description	Current Value
BlackRock Lifepath Index Retirement	Target Date Fund	\$ 34,290,523
BlackRock Lifepath Index 2020	Target Date Fund	95,583,151
BlackRock Lifepath Index 2025	Target Date Fund	100,150,350
BlackRock Lifepath Index 2030	Target Date Fund	74,543,912
BlackRock Lifepath Index 2035	Target Date Fund	49,637,190
BlackRock Lifepath Index 2040	Target Date Fund	34,710,646
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BlackRock Lifepath Index 2055	Target Date Fund	11,727,980
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Vanguard Mid Cap Index Fund	Mutual Fund	15,140,859
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Vanguard Total Bond Market Index Fund	Mutual Fund	10,699,445
Pimco Real Return Fund	Mutual Fund	6,133,983
JPMorgan Small Cap Growth Fund	Mutual Fund	4,866,643
Vanguard Total Intl Stock Index	Mutual Fund	6,500,223
Victory Sycamore Established Value Fund	Mutual Fund	3,477,337
Goldman Sachs Growth Opportunities	Mutual Fund	3,280,421
Shares of Registered Investment Companies		<u>225,678,733</u>
*Moog Inc.	Class B Common Stock	121,312,654
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*Key Guaranteed Portfolio Fund	Group Annuity Contract	46,538,735
Investment in Insurance Contract		<u>46,538,735</u>
*Participant loans	Loans maturing at various dates through September 24, 2023 and bearing interest at rates ranging from 3.25% to 10.50%	6,871,508
Total Investments		<u>\$ 852,342,027</u>
*Denotes a party-in-interest		