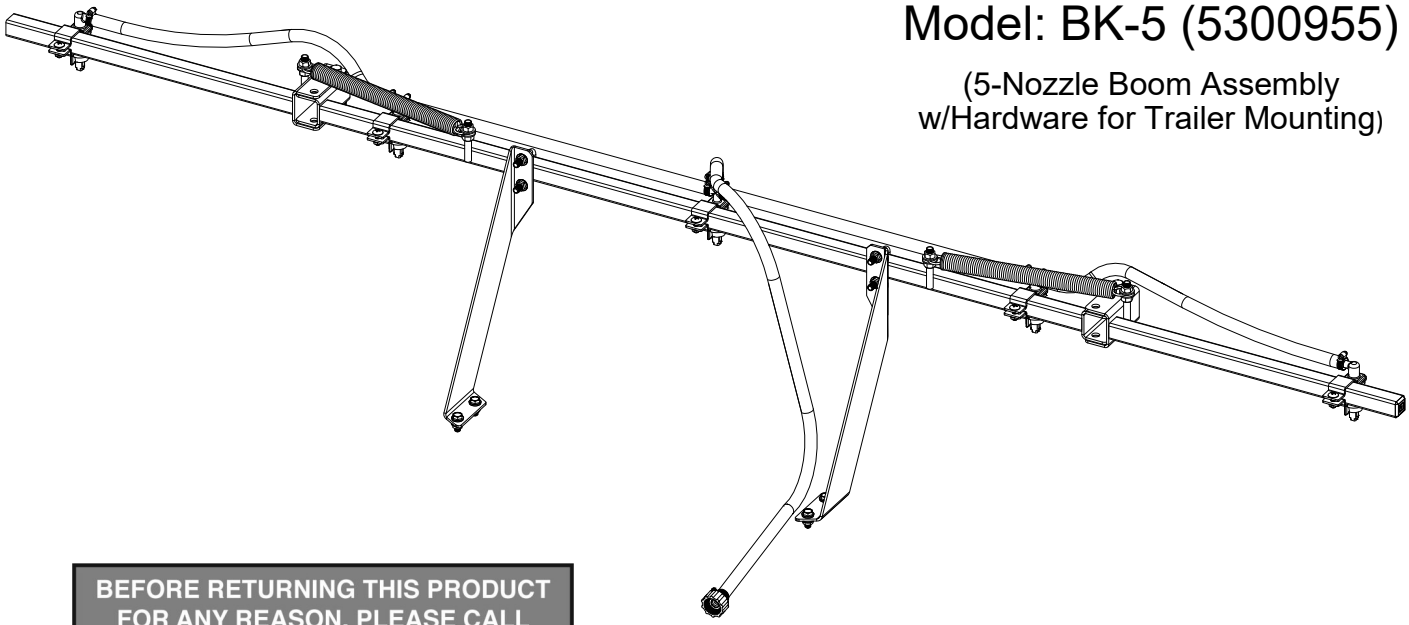
OWNER'S MANUAL



Model: BK-5 (5300955)

(5-Nozzle Boom Assembly
w/Hardware for Trailer Mounting)

BEFORE RETURNING THIS PRODUCT FOR ANY REASON, PLEASE CALL

1-800-831-0027

IF YOU SHOULD HAVE A QUESTION OR EXPERIENCE A PROBLEM WITH YOUR FIMCO INDUSTRIES PRODUCT:

1-800-831-0027

BEFORE YOU CALL, PLEASE HAVE THE FOLLOWING INFORMATION AVAILABLE: SALES RECEIPT & MODEL NUMBER. IN MOST CASES, A FIMCO INDUSTRIES EMPLOYEE CAN RESOLVE THE PROBLEM OVER THE PHONE.

General Information

Thank you for purchasing this product. The purpose of this manual is to assist you in operating and maintaining your boom kit assembly.

WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Retain a copy of your receipt for your unit, as it will be required to validate any warranty service Products are warranted against manufacturer or workmanship defects for one year from date of purchase for home owner usage and 90 days for commercial usage.

For technical assistance, call: **TOLL FREE @ 1-800-831-0027**
Our Technical Support Representatives will be happy to help you. To obtain prompt, efficient service, always remember to give the following information…

- Correct Part Description and/or part number
- Model #/Serial # of your sprayer

Part descriptions and numbers can be obtained from the illustrated parts list section(s) of this manual.

Technical Specifications

- 5-Nozzle Boom Assembly
- 100" Spray Swath
- Corrosion-Resistant Nylon Nozzles
- Check Valve Strainers, 50 Mesh, 5 PSI
- Break-Away Outer Boom Members
- Mounting Brackets for Trailer Mounting

Assembly Instructions

Remove the parts to the boom assembly from the carton. Refer to the parts list and exploded view drawing to help identify all the components.

- Center the center section of the boom onto your boom mounts and secure in place with the hardware provided. Be sure that the outer booms will fold 'backwards'..
- Attach the nozzle harness assembly to the boom.
- Route the boom feeder hose from the boom connection to the valve on your sprayer, which will supply the boom assembly. Then clamp in place with a hose clamp.
- Your boom should be ready for operation.

FIMCO INDUSTRIES

www.fimcoindustries.com
1000 FIMCO Lane, P.O. Box 1700, North Sioux City, SD 57049
Toll Free Phone: 800-831-0027 : Toll Free Fax: 800-494-0440

[5004585 (11/18)]

Testing the Sprayer

NOTE: It is VERY important for to test your sprayer with plain water before actual spraying is attempted. This will enable you to check for leaks without the possibility of losing any expensive chemicals.

Conditions of weather and terrain must be considered when setting the sprayer. Do not spray on windy days. Protective clothing must be worn in some cases

Be sure to read the chemical label(s) before application!

Calibration

Chemical labels may show application rates in gallons per acre, gallons per 1000 square feet or gallons per 100 square feet. You will note that the tip chart shows 2 of these rating systems.
Once you know how much you are going to spray, then determine (from the tip chart) the spraying pressure (PSI), and the spraying speed (MPH).
Determining the proper speed of the pulling vehicle can be done by marking off 100, 200 & 300 feet. The speed chart indicates the number of seconds it takes to travel the distances. Set the throttle and with a running start, travel the distances. Adjust the throttle until you travel the distances in the number of seconds indicated by the speed chart. Once you have reached the throttle setting needed, mark the throttle location so you can stop and go again, returning to the same speed.
Add water and proper amount of chemical to the tank and drive to the starting place for spraying.

Using the Boom Nozzles

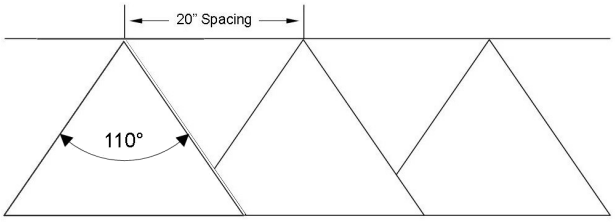
Four things must be considered before spraying with the boom.

1. How much chemical must be mixed in the tank.
2. Rate of spray (gallons per acre to be sprayed).
3. What pressure (p.s.i.) will be used.
4. Speed traveled (mph) while spraying.

* Refer to the chemical label to determine your chemical mixture
* See the tip chart to determine the pressure to be used. The chart will also show the speed used when spraying.

Speed Chart			
	Time Required in seconds to travel a distance of		
Speed in M.P.H. (Miles Per Hour)	100 Ft.	200 Ft.	300 Ft.
1.0	68 sec.		
2.0	34	68	102
3.0	23	45	68
4.0	17	34	51
5.0	14	27	41
6.0	11	23	34
7.0	9.7	19	29
8.0	8.5	17	26
9.0	7.6	15	23
10.0	6.8	14	20

Based on the minimum overlap required to obtain uniform distribution with 110° tips and 20” spacing.
Suggested Minimum Spray Height: 16”-18” above what is being sprayed (to plant, not ground).
Optimum Spray Height: 20”



Operation

Always fill the tank 1/2 full with water first and then add the chemical slowly, mixing as you pour the chemical into the tank and then fill the rest of the way. You may use the bypass in order to mix the chemical and water.

- Activate the handgun by squeezing the handle lever
- Rotating the adjustable nozzle tip on the handgun will change the tip pattern from a straight stream to a cone pattern (fine mist)

Maintenance During/After Spraying

Periodically check the strainer and clean the screen at the bottom of your intake tube.
Proper care and maintenance will prolong the life of your sprayer. After use, fill the sprayer tank part way with water. Start the sprayer and allow the clear water to be pumped through the plumbing system and out through the spray nozzles. Refill the tank about half full with plain water and use FIMCO Tank Neutralizer and Cleaner and repeat cleaning instructions above. Flush the entire sprayer with the neutralizing/cleaning agent, then flush out one more time with plain water. Follow the chemical manufacturer’s disposal instructions of all wash or rinsing water. For the boom (if applicable) remove the tips and screens from the nozzle assemblies. Wash these items out thoroughly. Blow the orifice clean and dry. If the orifice remains clogged, clean it with a fine bristle (NOT WIRE) brush or with a toothpick. Do not damage the orifice. Water rinse and dry the tips before storing.

WARNING: Some chemicals will damage the pump valves if allowed to soak untreated for a length of time! ALWAYS flush the pump as instructed after each use. DO NOT allow chemicals to sit in the pump for extended times of idleness. Follow the chemical manufacturer’s instructions on disposal of all waste water from the sprayer.

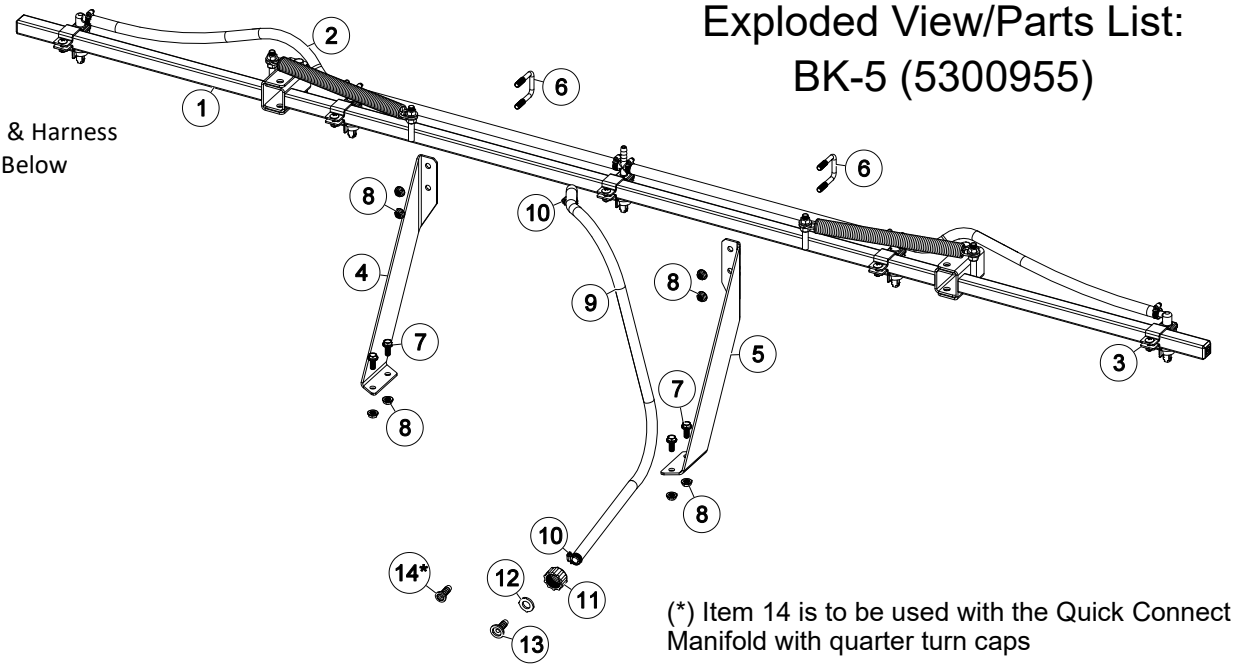
Winter Storage

Prepare the sprayer for end-of-season storage by running RV antifreeze through the system. This will keep internal parts lubricated, protect against corrosion and keep the unit from freezing. *Note: RV antifreeze is non-toxic and biodegradable and generally safer for the environment than automotive antifreeze.*
Before storing your sprayer for winter or long term storage, thoroughly clean and drain it as much as possible. Then pour enough pink RV antifreeze into the tank so that when the pump is turned on you can pump the antifreeze throughout the entire plumbing system, including the bypass. Make sure to operate the boom and handgun until you see pink fluid spraying from the nozzles. Leave any remaining antifreeze in the tank. Before your next usage, rinse the antifreeze from the sprayer with clean water.
It is nearly impossible to drain all of the water from the sprayer and any trapped water can freeze in cold weather and damage parts of the sprayer. Pumping the antifreeze through the system will displace the water and help prevent this damage.
Removing from storage: drain the antifreeze. Fill the tank with fresh water and run through the system. Dispose of antifreeze and flush water properly.

Spray Tip Rate Chart (20" Spacing)							
Tip No.	Pressure (psi)	Capacity (GPM)	Gal. Per Acre - Based on Water				
			1 MPH	2 MPH	3 MPH	4 MPH	5 MPH
AIXR11002VP	15	.12	35.6	17.8	11.8	8.9	7.1
	20	.14	41.6	20.8	13.8	10.4	8.3
	30	.17	50.4	25.2	16.8	12.6	10.1
	40	.20	59.6	29.8	19.8	14.9	11.9
Tip No.	Pressure (psi)	Capacity (GPM)	Gal. Per 1000 Sq. Ft. - Based on Water				
			1 MPH	2 MPH	3 MPH	4 MPH	5 MPH
AIXR11002VP	15	.12		.41	.27	.20	.16
	20	.14		.48	.32	.24	.19
	30	.17		.58	.39	.29	.23
	40	.20		.68	.45	.34	.27

Exploded View/Parts List: BK-5 (5300955)

See Boom & Harness Assembly Below



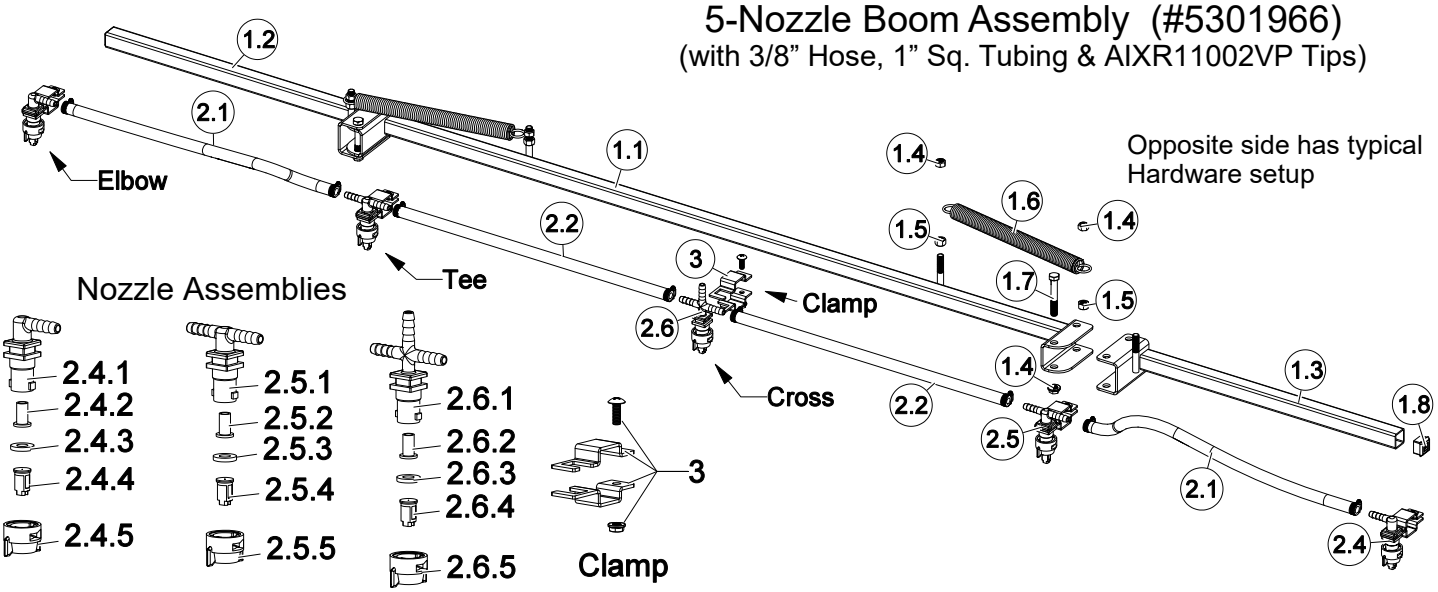
(*) Item 14 is to be used with the Quick Connect Manifold with quarter turn caps

Ref. #	Part #	Description	Qty
1	5277779	Boom Sub-Assembly (1" Sq. Tube)	1
1.1	5277838	Center Boom Weldment 1" Sq. Tube	1
1.2	5277834	Outer Boom Weldment 1" Sq. Tube L.H.	1
1.3	5277835	Outer Boom Weldment 1" Sq. Tube R.H.	1
1.4	5006345	3/8"-16 Flange Locknut	6
1.5	5006259	3/8"-16 Hex Nut	4
1.6	5019228	Extension Spring	2
1.7	5034169	H.H.C.S., 3/8"-16 x 2 1/2"	2
1.8	5046106	Square Cap, Black (1" Square Tube)	2
2	5277695	5-Nozzle Harness (3/8" & 1" Sq Tube)	1
2.1	5020534	Hose, 3/8"-1 Brd. x 21"	2
2.2	5020531	Hose, 3/8"-1 Brd. x 19-3/8"	2
2.3	5051144	Hose Clamp, 3/8"	8
2.4	5281304	"ELL" Nozzle Sub-Assembly (3/8")	2
2.4.1	5056113	Single Hose Shank (3/8" Hose)	1
2.4.2	5143543	Check Valve Strainer, 50 Mesh, 5 PSI	1
2.4.3	5016157	Seat Washer (QJ Caps)	1
2.4.4	5018371	Air-Induction XR Flat Spray Tip (AIXR11002VP)	1
2.4.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1
2.5	5281307	"TEE" Nozzle Sub-Assembly (3/8")	2
2.5.1	5056114	Double Hose Shank (3/8" Hose)	1
2.5.2	5143543	Check Valve Strainer, 50 Mesh, 5 PSI	1
2.5.3	5016157	Seat Washer (QJ Caps)	1

Ref. #	Part #	Description	Qty
2.5.4	5018371	Air-Induction XR Flat Spray Tip (AIXR11002VP)	1
2.5.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1
2.6	5281308	"Cross" Nozzle Sub-Assembly (3/8")	1
2.6.1	5056115	Triple Hose Shank (3/8" Hose)	1
2.6.2	5143543	Check Valve Strainer, 50 Mesh, 5 PSI	1
2.6.3	5016157	Seat Washer (QJ Caps)	1
2.6.4	5018371	Air-Induction XR Flat Spray Tip (AIXR11002VP)	1
2.6.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1
3	5277923	Boom Clamp Assembly (1in Sq.)	5
4	5038833	Boom Mount R.H.	1
5	5038834	Boom Mount L.H.	1
6	5034159	Square U-Bolt, 5/16" x 1 5/16" x 1 7/8"	2
7	5117323	5/16"-18 x 3/4" Flange Whiz Lock Screw	4
8	5006307	5/16"-18 Hex Whiz (Flange) Locknut	8
9	5020161	Hose, 3/8"-1 Brd. x 48"	1
10	5051144	Hose Clamp, 3/8"	2
11	5006209	Poly Knurled Swivel Nut, 3/4" FGHT	1
12	5016066	Garden Hose Washer	1
13	5149034	Poly Swivel, 3/8" Hose Barb	1
14*	5143431	Quick Connect Manifold - 3/8" Hose Straight Barb	1
15	5117325	1/4-20NC x 3/4" Phillips Round Head Machine Screw	4
16	5006259	3/8"-16 Hex Whiz (Flange) Locknut	4

5-Nozzle Boom Assembly (#5301966)

(with 3/8" Hose, 1" Sq. Tubing & AIXR11002VP Tips)



Nozzle Assemblies

Elbow

Tee

Cross

Clamp

Bag of 5: 5277729

Warranty

LIMITED WARRANTY FOR NEW FIMCO, IND. EQUIPMENT

WHO MAY USE THIS LIMITED WARRANTY. This limited warranty (the "Limited Warranty") is provided by Fimco, Ind. to the original purchaser ("you") of the Equipment (as defined below) from Fimco, Ind. or one of Fimco, Ind.'s authorized dealers. This Limited Warranty does not apply to any subsequent owner or other transferee of the Equipment. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

WHAT THIS LIMITED WARRANTY COVERS AND FOR HOW LONG. Fimco, Ind. warrants that any new Equipment will be free from defects in material and workmanship for a period of **one (1) year** after delivery of the Equipment to you (the "Warranty Period"). The Warranty Period is not extended if Fimco, Ind. repairs or replaces the Equipment.

WHAT IS NOT COVERED BY THIS LIMITED WARRANTY. This Limited Warranty does not apply to: (1) used Equipment; (2) any Equipment that has been altered, changed, repaired or treated since its delivery to you, other than by Fimco, Ind. or its authorized dealers; (3) damage or depreciation due to normal wear and tear; (4) defects or damage due to failure to follow Fimco, Ind.'s operator's manual, specifications or other written instructions, or improper storage, operation, maintenance, application or installation of parts; (5) defects or damage due to misuse, accident or neglect, "acts of God" or other events beyond Fimco, Ind.'s reasonable control; (6) accessories, attachments, tools or parts that were not manufactured by Fimco, Ind., whether or not sold or operated with the Equipment; or (7) rubber parts, such as tires, hoses and grommets.

HOW TO OBTAIN WARRANTY SERVICE. To obtain warranty service under this Limited Warranty, you must (1) provide written notice to Fimco, Ind. of the defect during the Warranty Period and within **thirty (30)** days after the defect becomes apparent or the repair becomes necessary, at the following address: Fimco, Ind., 1000 Fimco Lane, North Sioux City, SD 57049; and (2) make the Equipment available to Fimco, Ind. or an authorized dealer within a reasonable period of time. For more information about this Limited Warranty, please call: **800-831-0027**.

WHAT REMEDIES ARE AVAILABLE UNDER THIS LIMITED WARRANTY. If the conditions set forth above are fulfilled and the Equipment or any part thereof is found to be defective, Fimco, Ind. shall, at its own cost, and at its option, either repair or replace the defective Equipment or part. Fimco, Ind. will pay for shipping and handling fees to return the repaired or replacement Equipment or part to you.

LIMITATION OF IMPLIED WARRANTIES AND OTHER REMEDIES. THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES, AND FIMCO, IND.'S SOLE LIABILITY, FOR ANY BREACH OF THIS LIMITED WARRANTY. TO THE EXTENT APPLICABLE, ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE WARRANTY PERIOD, AND THE REMEDIES AVAILABLE FOR BREACH THEREOF SHALL BE LIMITED TO THE REMEDIES AVAILABLE UNDER THIS EXPRESS LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN NO EVENT SHALL FIMCO, IND.'S LIABILITY UNDER THIS LIMITED WARRANTY EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE EQUIPMENT, NOR SHALL FIMCO, IND. BE LIABLE, UNDER ANY CIRCUMSTANCES, FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.