



73 SERIES
7310
SS Poultry House Blower



**OPERATOR'S MANUAL
AND
PARTS BOOK**

THIS MANUAL IS TO ACCOMPANY THE MACHINE

**PART NO: 73SS-PM-01
PRINTING DATE: APRIL 2019**

WARRANTY POLICY

KELLEY MANUFACTURING COMPANY (KMC) warrants that all goods sold to the original purchaser of any KMC product shall be free of any defects in material and workmanship if used under normal operating conditions. The warranty period begins on the date of purchase by the retail customer. For non-commercial users the warranty extends twelve (12) months thereafter. For commercial users the warranty period extends six (6) months thereafter. KMC's sole responsibility is to repair and/or replace the defective part or parts at no cost to the purchaser. This remedy is the **SOLE AND EXCLUSIVE REMEDY** of purchaser.

The purchaser must fill out and return the warranty registration form found in the front of the operator's manual. Failure to return the warranty registration form within 30 days shall result in the goods being sold "AS IS", and all warranties shall be excluded.

This warranty shall not apply to those items that are by nature worn in normal service, including but not limited to belts, springs, teeth, chains, etc. Items such as tires, tubes, and gearboxes and all other items warranted by the original manufacturer warranty are warranted only to the extent of the original manufacturer warranty, and KMC is not warranting any of said items. All warranty claims must be made through a KMC licensed dealer, and a warranty form request must be submitted to KMC within 30 days of failure or the warranty provision shall be unenforceable against KMC.

No agent or person has authority to change or add to this warranty as written.

THE ABOVE IS THE ONLY WARRANTY MADE BY KMC AND IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. KMC MAKES NO WARRANTY OR MERCHANTABILITY AS TO ANY GOODS MANUFACTURED BY KMC AND FURTHER KMC DOES NOT WARRANT ANY SUCH GOODS AS SUITABLE FOR ANY PARTICULAR PURPOSE TO THE RETAIL CUSTOMER. THE SUITABILITY OF GOODS FOR ANY PURPOSE PARTICULAR TO THE CUSTOMER IS FOR THE CUSTOMER, IN HIS SOLE JUDGEMENT, TO DETERMINE. KMC FURTHER MAKES NO WARRANTIES WITH RESPECT TO ITS MANUFACTURED GOODS THAT WOULD NORMALLY BE DISCLOSED BY AN EXAMINATION. THIS IS THE FULL AND FINAL EXPRESSION OF WARRANTY LIABILITY OF KMC. NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, SHALL BE ENFORCEABLE AGAINST KMC.

Kelley Manufacturing Co.

80 Vernon Drive / Zip 31794
P.O. Drawer 1467 / Zip 31793
Tifton GA

OPERATOR'S MANUAL

TO THE PURCHASER

This KMC SS Poultry House Blower has been carefully designed and manufactured to give years of dependable service. In order to operate it efficiently and maintain it properly, please read the instructions within this manual thoroughly.

While reading the manual through, you will notice that it is divided into sections which clearly explain the assembly and operations of each component of this machine. A Table of Contents is also provided for quick reference to these sections.

Some components of this machine may be labeled left or right. The notations are determined facing the direction the machine will travel



This safety alert symbol is used throughout this manual to identify safety messages. When you see this symbol, read the message which follows as it will advise you of possible injury.

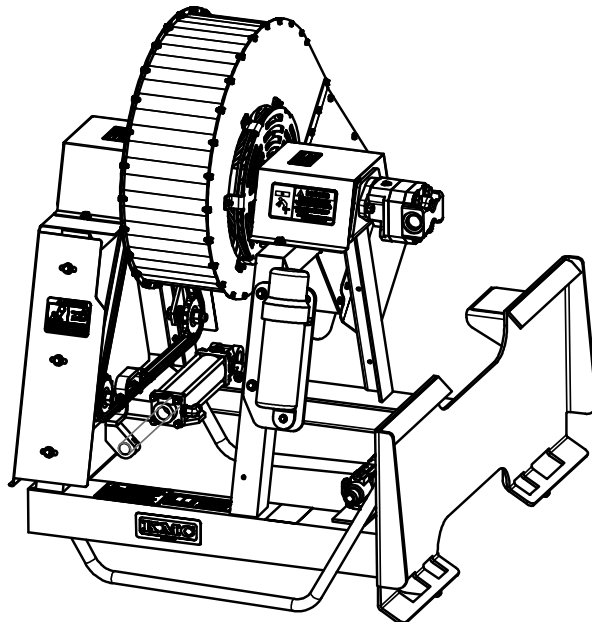
After reading this Operator's Manual, please keep it for reference each season.

To ensure procurement of the proper repair parts, please record your machine's Serial Number and Purchase Date as shown below:

Model No. _____

Serial No. _____

Purchase Date _____



RETAIL CUSTOMERS RESPONSIBILITY UNDER THE KMC WARRANTY

The retail customer's responsibilities are:

1. To read the Operator's Manual and operate the **KMC SS Poultry House Blower** in accordance with instructions in the manual.
2. To inspect the **KMC SS Poultry House Blower** daily, lubricate as specified and repair or replace parts as needed, especially when continued use would cause damage or excess wear to other parts.
3. To maintain and keep in place all safety shields and devices.
4. When Warranty Service is necessary, it is the customer's responsibility to deliver the machine to the KMC dealer from which it was purchased. Warranty repairs should be submitted to the dealer within **thirty (30)** days of failure.
5. Dealer travel to the machine or hauling the machine to his shop for the purpose of performing warranty service is not allowed under KMC warranty. It is a cost to be paid by the retail customer. Any arrangement whereby the dealer agrees to absorb all or part of this cost is strictly between the dealer and the retail customer.

SAFETY PROCEDURES

Safety and performance are the primary objectives of the designers of KMC equipment. Safety features have been incorporated into this machine where possible and warnings given in other areas. For your safety, **PLEASE** read and observe the following safety procedures.

1. Do not permit anyone to ride on the machine
2. Keep all persons a safe distance away from the front, sides, and blower discharge of the machine while it is in operation.
3. Drive safely during transport; excessive speed while turning on rough ground or over hills could cause the skid steer to tip over.
4. Make sure hitch components are attached securely before operating or transporting.
5. If equipped, use flashing warning lights on highways, except where prohibited by law.
6. Stop skid steer engine before leaving the operator's position to adjust, lubricate, clean, or unclog machine.
7. Keep all shields in place.
8. Keep hands feet and clothing away from moving parts.
9. Make sure everyone is clear of machine before starting skid steer or operating machine.
10. Observe all safety decals located on machine.

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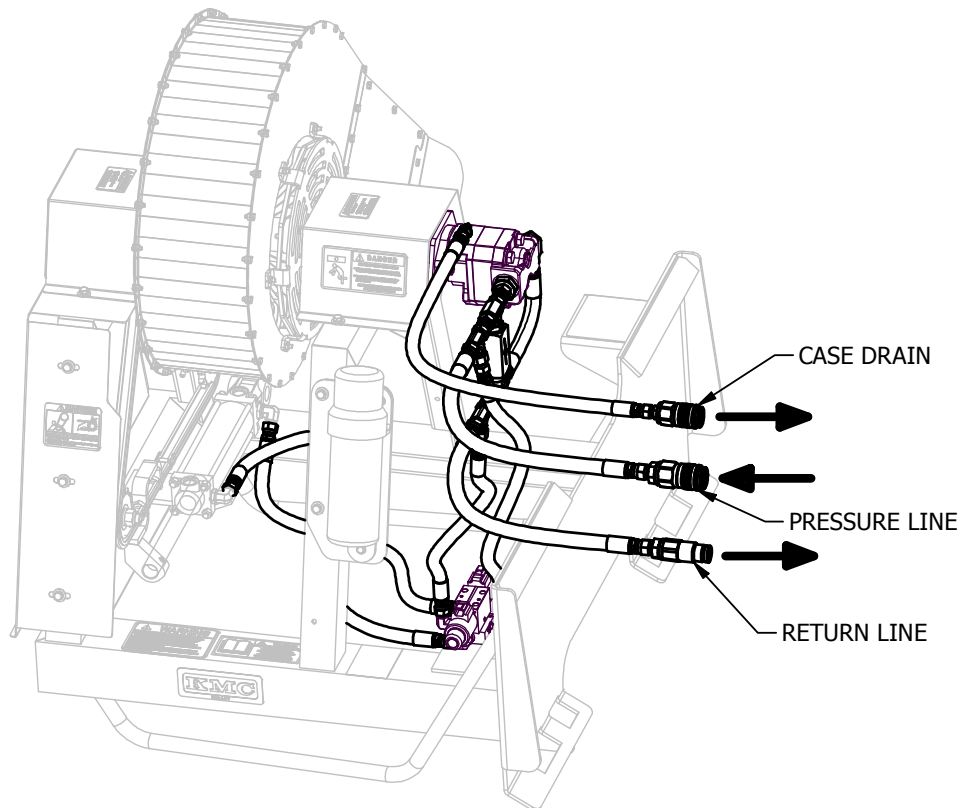
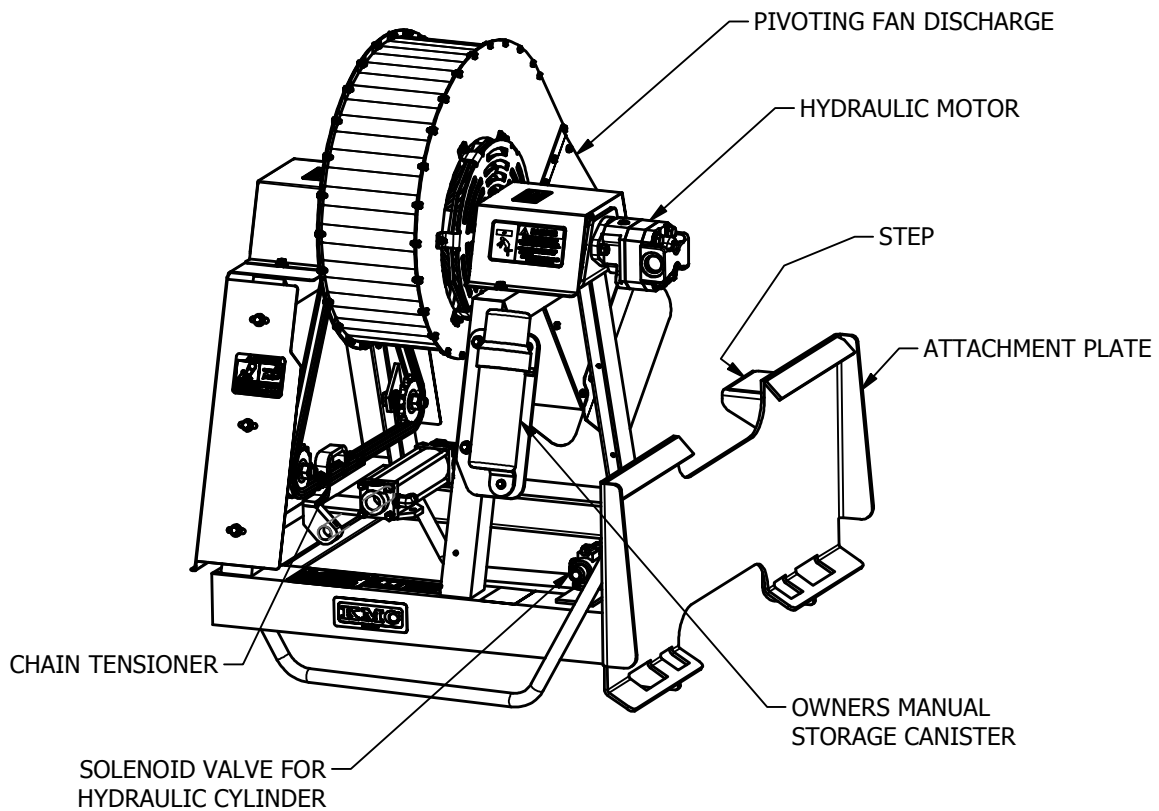
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SS POULTRY HOUSE BLOWER BASIC FEATURES

This manual discusses the various features and components of the KMC SS Poultry House Blower. References to various components for adjustment, settings, performance are made. The following diagrams will help in identifying some of those components.



MACHINE SETUP

Attaching to Skid Steer

Refer to the operator's manual of your skid steer and follow the mounting and securing instructions that are contained therein.

Slowly raise the loader and actuate the tilt cylinders to verify that the blower is mounted and secured correctly.



DANGER! FAILURE TO VERIFY PROPER MOUNTING OF THE BLOWER COULD RESULT IN SERIOUS INJURY OR DEATH.

Connecting Hydraulics

With the skid steer engine turned off, relieve the hydraulic pressure (see skid steer operator's manual for proper procedure). Connect the pressure line, return line, and case drain to the skid steer hydraulic couplings.



WARNING! The KMC SS Poultry House Blower is designed to operate using 12.5 gpm (gallons per minute). Many skid steers have high flow and low flow hydraulic outputs. If your skid steer has a low flow output equal to or greater than 12.5 gpm try using these output ports first.

Connecting Electronics

The wiring harness consists of three sections, Power Harness, Valve Harness, and Control Harness. Connect the two plug ends of the Valve Harness to the two receptacle inputs on the solenoid valve that controls the hydraulic cylinder. Connect one end of the Power Harness to the Valve Harness and the terminal ends to the skid steer battery. Route these two harnesses along the side of the lift arm and secure with tie straps. Connect the Control Harness to the Power Harness and route the pendant control inside the cab. Note: To reverse the way that the pendant controls the fan chute rotation simply swap the connections on the solenoid valve.

OPERATING INSTRUCTIONS

Operating Blower

With the engine at idle speed slowly engage the hydraulic flow until the desired fan output is achieved.



WARNING! Do not operate the fan using extreme high flow hydraulic output.

Fan Discharge

The fan discharge chute is rotated using an electric over hydraulic circuit. The solenoid valve which controls the direction of rotation is operated using the pendant control. As mentioned above, to reverse the way that the pendant controls the fan chute rotation simply swap the connections on the solenoid valve.

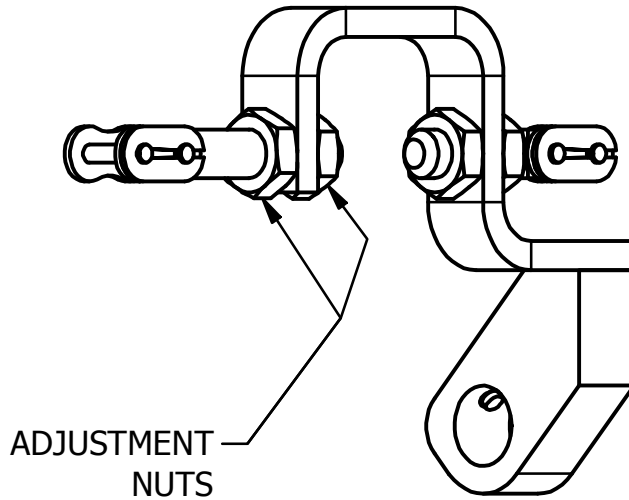
The solenoid operates using 12 volts supplied from the skid steer battery.

MAINTENANCE AND ADJUSTMENTS



DANGER! Always make any adjustments or perform maintenance with the skid steer turned off.

ROTATING FAN CHAIN ADJUSTMENT

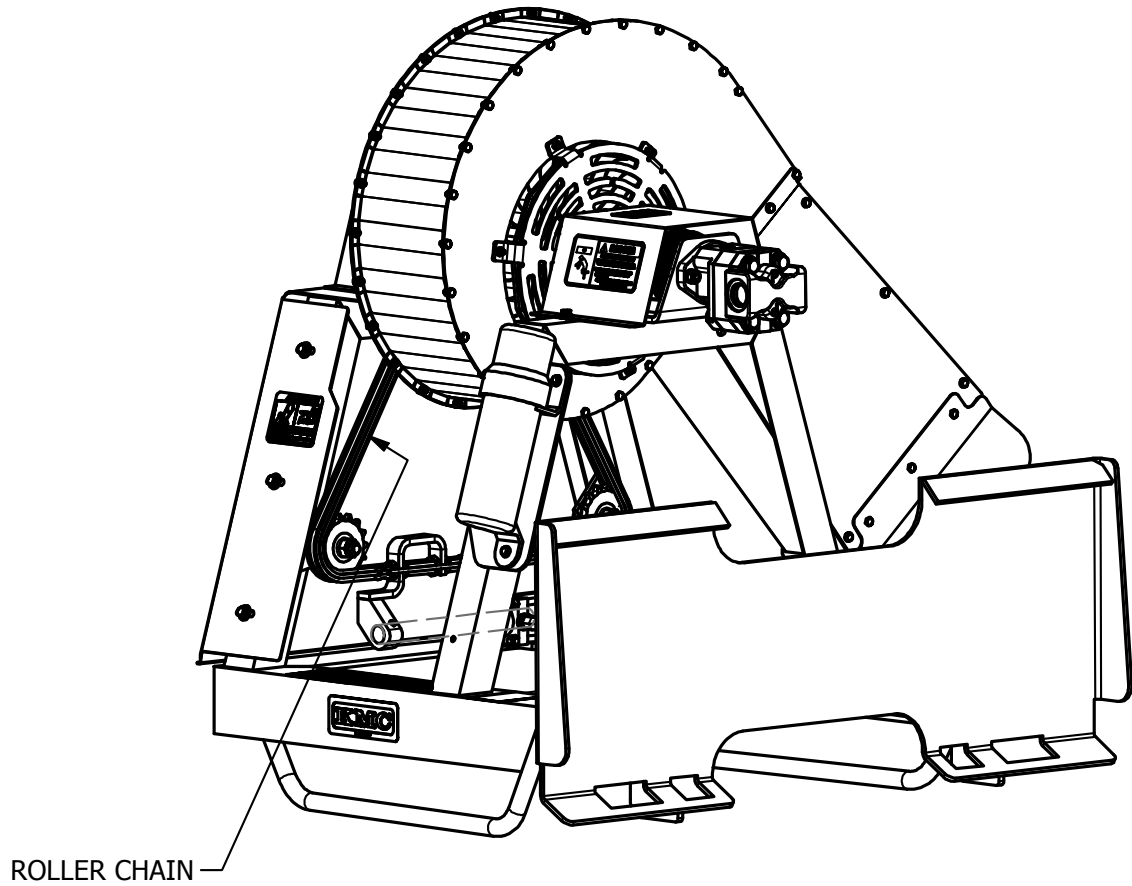


If the fan housing does not rotate smoothly, the rotating fan chain can be retensioned by removing the front shield and adjusting the 5/8" jam nuts as shown. After adjustment reinstall the front shield.

LUBRICATION



DANGER! Always make any adjustments or perform maintenance with the skid steer turned off.



ROLLER CHAIN

Lubricate the roller chain with a high-quality, non-detergent, petroleum based or synthetic oil. Lubricate the roller chain every 40 hours.

STORAGE

After each use the KMC SS Poultry House Blower should be washed down thoroughly, removing all litter. After washing, treating with a disinfectant is recommended to kill any remaining bacteria. The next step is treating the machine with a soluble oil to protect it from rust and corrosion. One product which meets these requirements is called "Film Fluid" manufactured by Eureka Chemical Co., San Francisco, CA. It is sold in some tractor dealerships and other farm supply dealers.

SPECIFICATIONS

Weight:	395 lbs.
Width (Skid Steer Mount Plate):	45.5"
Width (Horizontal Fan):	57.25"
Height: (Horizontal Fan):	49"
Height: (Vertical Fan):	68"
CFM @ 2,300 RPM:	5,600
Hydraulic Flow Rate @ 2,300 RPM:	12.5 GPM
Fan Chute Rotation:	235°

TROUBLESHOOTING

TROUBLE	PROBABLE CAUSE	CORRECTIVE ACTION
Low Air	Hydraulic fan motor not turning fast enough	Increase hydraulic flow to fan motor
Pivoting fan chute is loose or floppy	Excessive slack in chain	Re-tension chain using adjusting screws
Fan chute will not rotate	Loose electrical connection	Check connection at solenoid and skid steer plug

DECALS

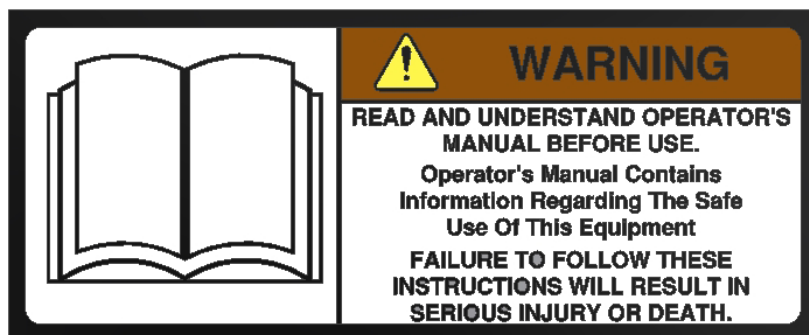


IMPORTANT! Machine decals are an important aspect of proper machine operation, maintenance, and safety. Replace any missing or damaged decals immediately.

Part Number: 03-050-040



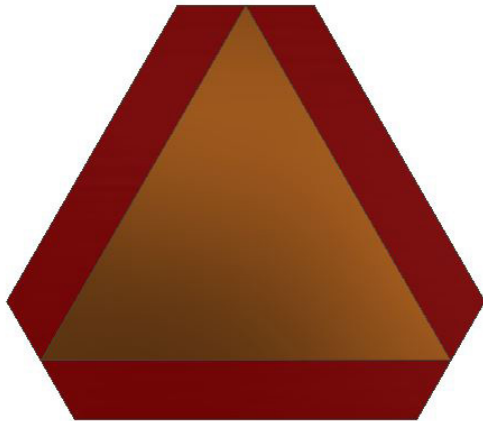
Part Number: 61-050-052



Part Number: 64-050-007



Part Number: 33-050-041



Part Number: 33-050-036



Part Number: 33-050-248



Part Number: 73-150-00001



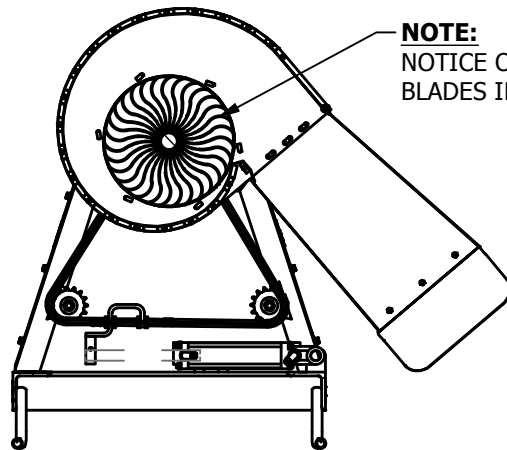
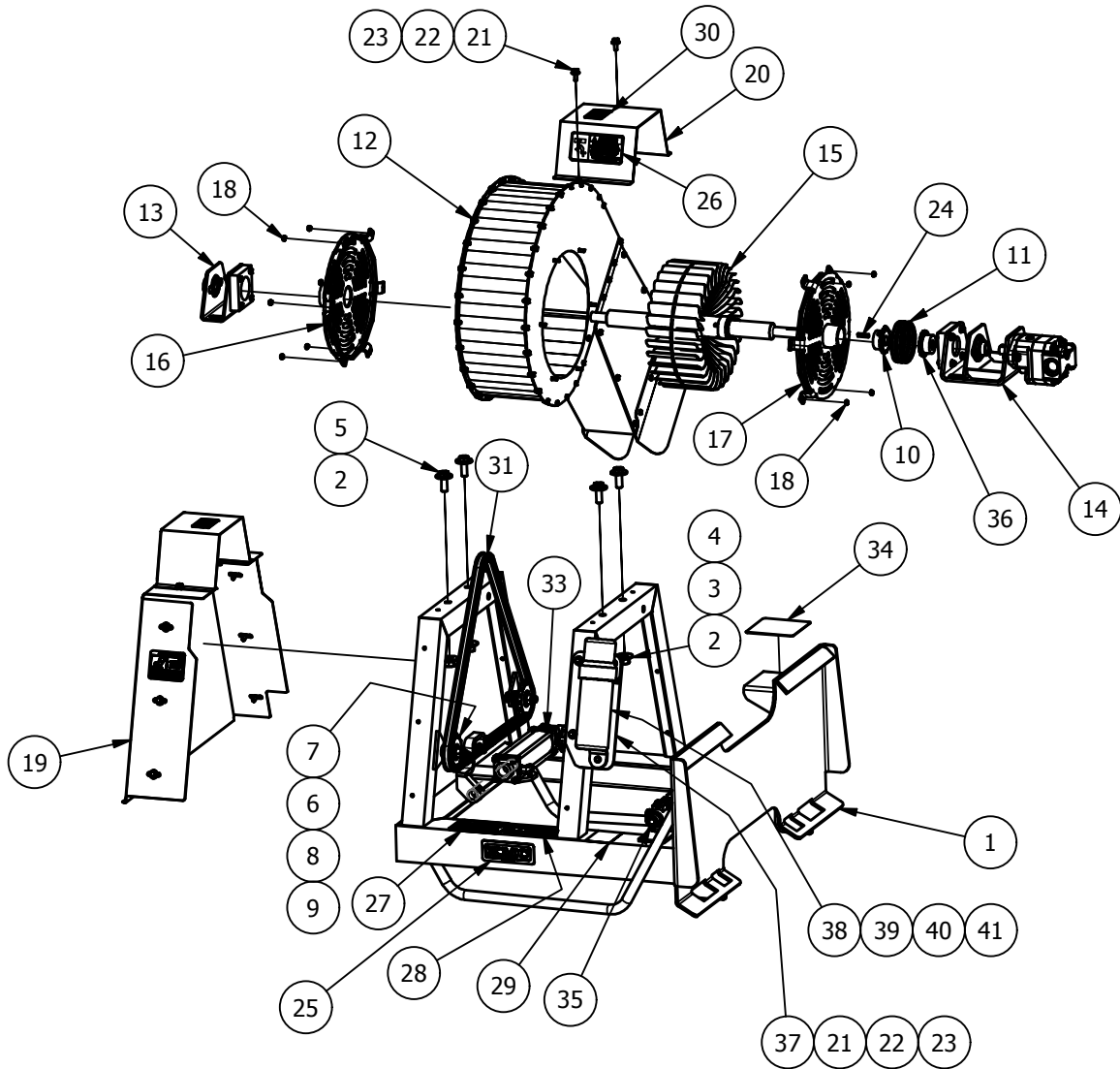
Part Number: 02-050-078



PARTS BOOK

MAIN FRAME ASSEMBLY

(73-090-004)



NOTE:
NOTICE ORIENTATION OF FAN
BLADES IN FAN HOUSING

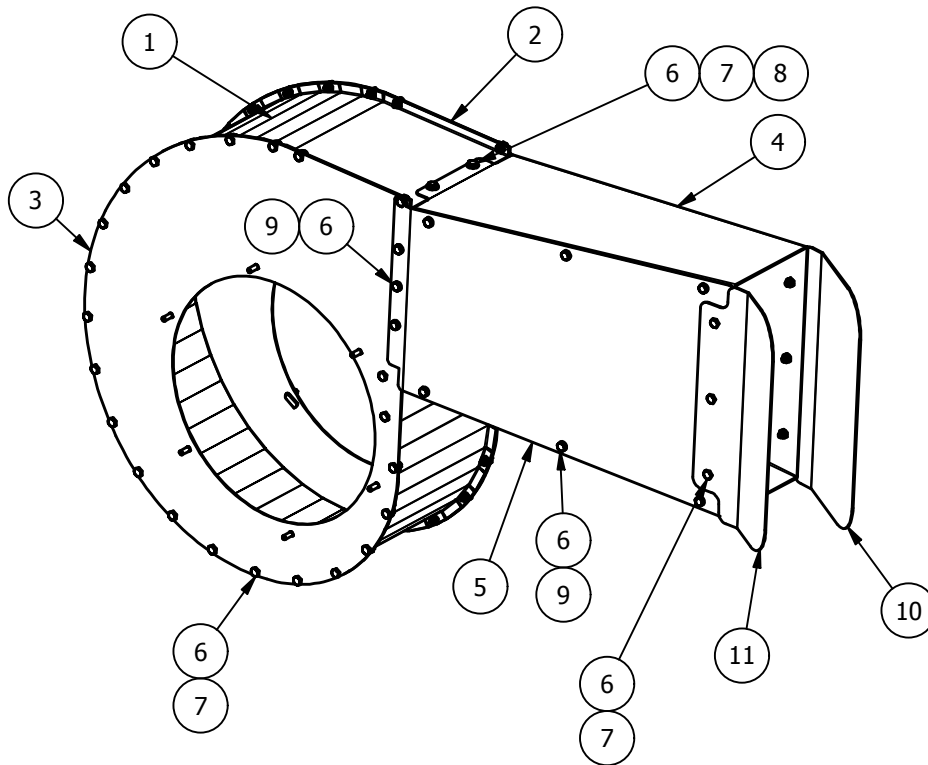
**MAIN FRAME ASSEMBLY
(73-090-004)**

ITEM	PART NO	DESCRIPTION	SERIAL NO OR YR	QTY
1	73-080-047	WELDMENT, BLOWER FRAME SKID STEER		1
2	62-010250	FLATWASHER, 5/8 STD PLT		8
3	66-010300	LOCKWASHER, 5/8 PLT		4
4	68-010300	HEXNUT, 5/8 PLT		4
5	48-090920	CAPSCREW, 5/8 X 1 3/4 G5 PLT		4
6	62-020040	FLATWASHER, 5/8 SAE PLT		20
7	33-052-015	IDLER, #60-15T SPROCKET		2
8	72-010120	LOCKNUT, 5/8 NC HEX NYLON INSERT PLT		2
9	48-091000	CAPSCREW, 5/8 x 3 NC G5 PLT		2
10	74-152-00045	SPROCKET, 4016(1") COUPLER		1
11	74-152-00062	CHAIN, 4016 COUPLER		1
12	73-081-039	ASSEMBLY, FAN HOUSING		1
13	73-081-031	MOUNT, FAN SIDE BRG		1
14	73-081-035	MOUNT, SKID STEER MOTOR		1
15	73-081-033	FAN, SKID STEER SHAFT ASSY		1
16	73-080-054	WELDMENT, REAR SCREEN COVER		1
17	73-080-052	WELDMENT, FRONT SCREEN COVER		1
18	72-010020	LOCKNUT, 1/4 STOVER GA PLT		12
19	73-081-030	ASSY, REAR SHIELD		1
20	73-027-082	SHIELD, REAR TOP		1
21	48-090036	CAPSCREW, 5/16 X 1 NC G5 PLT		4
22	62-010050	FLATWASHER, 5/16" STD PLT		4
23	66-010100	LOCKWASHER, 5/16 PLT		4
24	03-026-138	KEY, 1/4 X 1-1/4		1
25	03-050-040	DECAL, 2 1/4 X 6 KMC		2
26	73-150-00001	DECAL, ROTATING FAN NOZZLE DANGER		2
27	02-050-078	DECAL, SHIELD WARNING		1
28	61-050-052	DECAL, READ INSTRUCT WARNING		1
29	64-050-007	DECAL, RESPIRATORY		1
30	33-050-036	DANGER, FAN DECAL		1
31	73-052-006	CHAIN, 60RC-85 PITCHES		1
32	73-081-040	ASSY, SS PH BLOWER HYD		1
33	73-081-041	ASSY, HYD CYLINDER		1
34	72-050-051	TAPE, ANTI-SLIP		1

**MAIN FRAME ASSEMBLY
(73-090-004)**

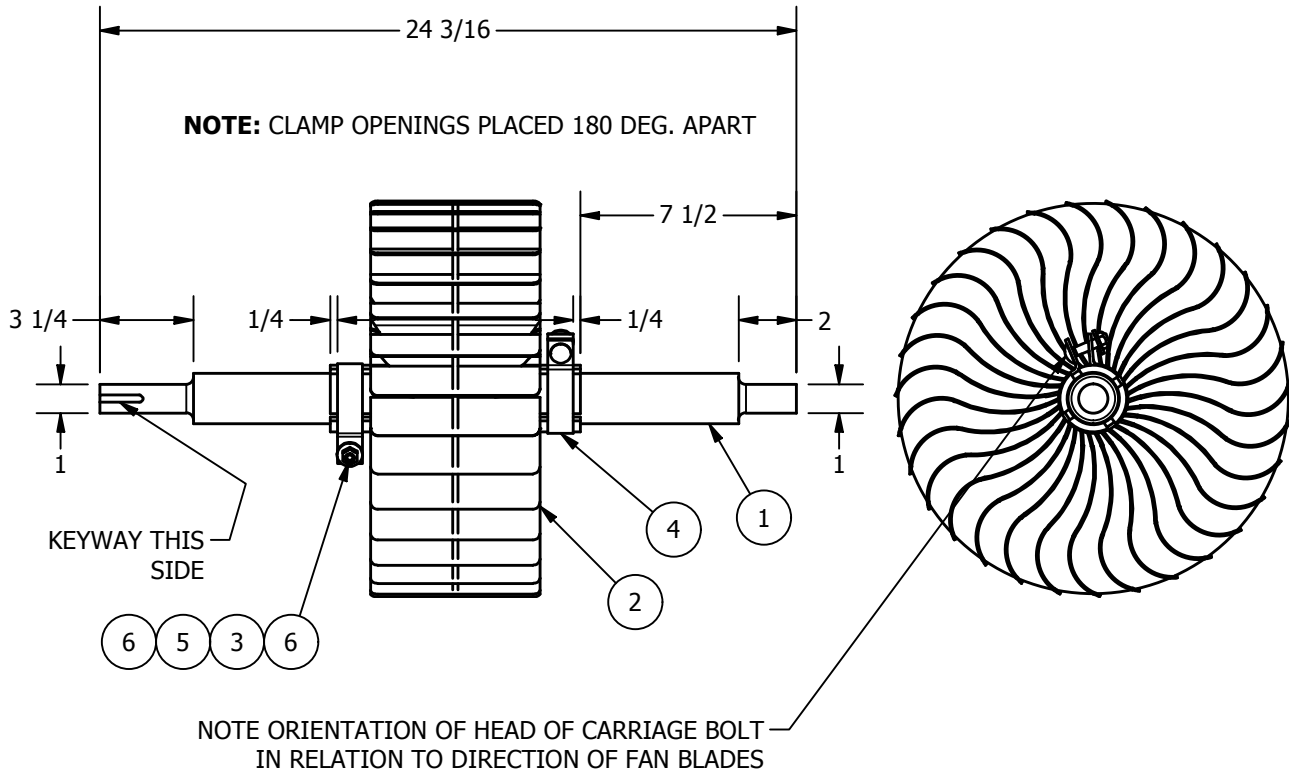
ITEM	PART NO	DESCRIPTION	SERIAL NO OR YR	QTY
35	73-081-042	ASSY, HYD VALVE		1
36	73-052-012	SPROCKET, 4016X7'8 SPECIAL 1/4 KW		1
37	73-027-085	PLATE, CANISTER MOUNT		1
38	49-050-012	CANISTER, MANUAL		1
39	62-010010	FLATWASHER, 1/4 STD PLT		6
40	48-090015	CAPSCREW, 1/4 X 1 NC G5 PLT		3
41	68-010050	HEXNUT, 1/4 PLT		3
42	66-010050	LOCKWASHER, 1/4 PLT		3

ASSEMBLY, FAN HOUSING (73-081-039)



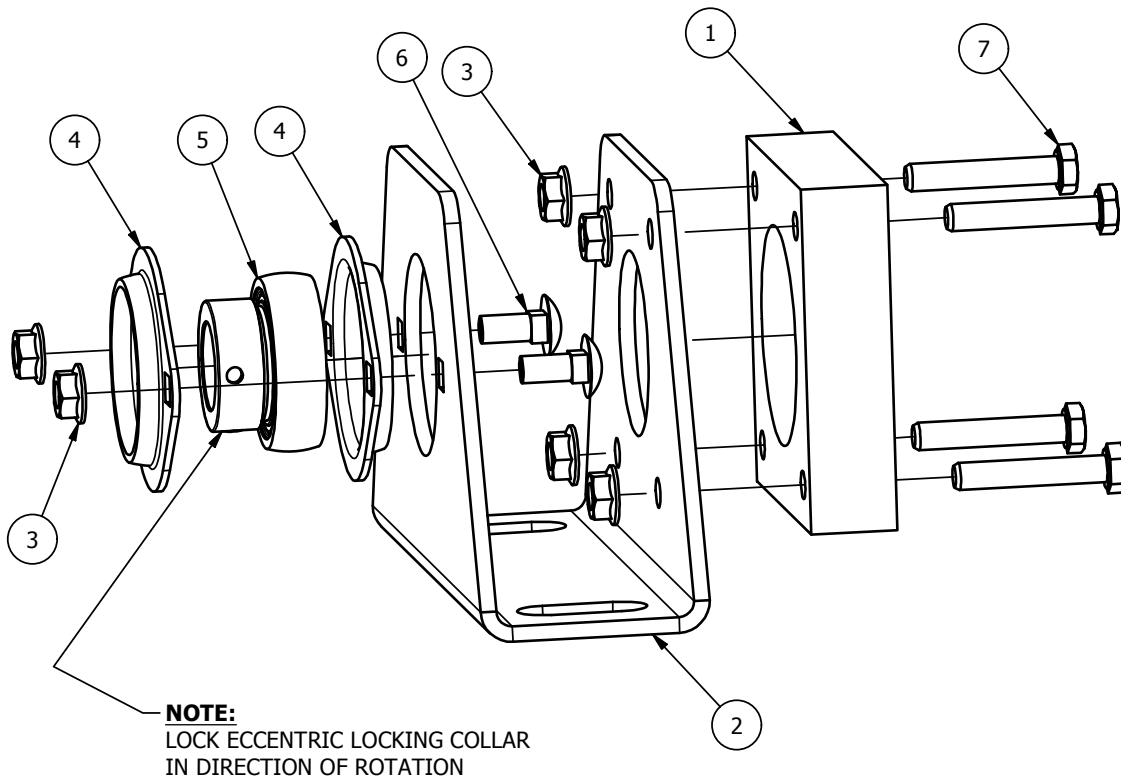
ITEM	PART NO.	SERIAL NO OR YR	Description	QTY
1	73-027-053		VOLUTE, FAN MIDDLE	1
	73-027-079		COVER, MIDDLE	1
2	73-081-022		FAN SIDE ASSY, FRONT	1
	73-080-050		WELDMENT, FRONT FAN SIDE	1
3	73-081-021		FAN SIDE ASSY, REAR	1
	73-080-051		WELDMENT, REAR FAN SIDE	1
4	73-080-041		CHUTE, FRONT	1
5	73-027-059		CHUTE, REAR	1
6	48-090000		CAPSCREW, 1/4 X 1/2 NC G5 PLT	66
7	72-010020		LOCKNUT, 1/4 STOVER GA PLT	54
8	62-010010		FLATWASHER, 1/4 STD PLT	2
9	66-010050		LOCKWASHER, 1/4 PLT	12
10	73-027-060		DEFLECTOR, FAN LONG	1
11	73-027-067		DEFLECTOR, FAN SHORT	1

FAN, SHAFT ASSY (73-081-033)



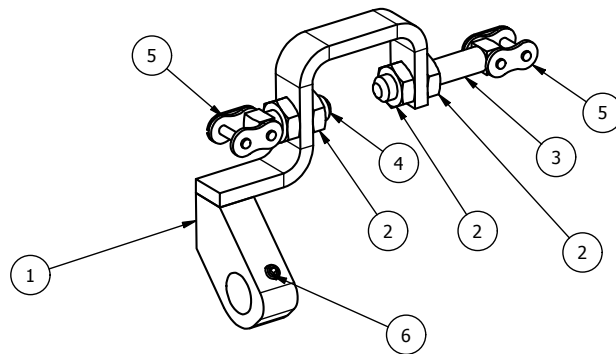
ITEM	PART NO	DESCRIPTION	SERIAL NO OR YR	QTY
1	73-026-012	SHAFT, SKID STEER FAN		1
2	33-050-148	ROTOR, WHOLE FAN		1
3	62-010050	FLATWASHER, 5/16" STD PLT		2
4	33-050-147	CLAMP, FAN ROTOR		2
5	52-050019	CARRIAGE BOLT, 5/16 X 1 1/4 NC G5 PLT		2
6	72-010025	LOCKNUT, 5/16 STOVER GB PLT		2

MOUNT, FAN SIDE BRG **(73-081-031)**



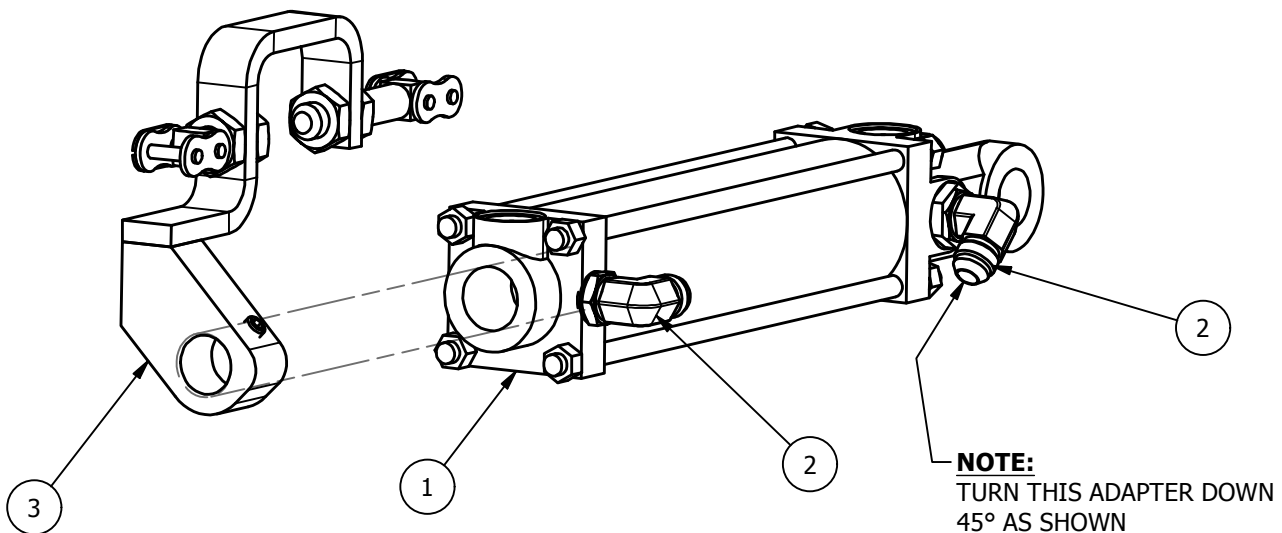
ITEM	PART NO	SERIAL NO OR YR	DESCRIPTION	QTY
1	73-023-003		SUPPORT, FAN HOUSING	1
2	73-027-066		MOUNT, BENT BRG	1
3	78-020049		5/16" WHIZ NUT	6
4	04-051-002		FLANGE, 52 MST	2
5	03-051-021		BEARING, 1" EXT. W/ COLLAR	1
6	52-050005		CARRIAGE BOLT, 5/16 X 3/4 NC GD 5 PLT	2
7	48-090033		CAPSCREW, 5/16 X 1-3/4 G5 PLT	4

ASSY, CHAIN TENSIONER (73-081-028)



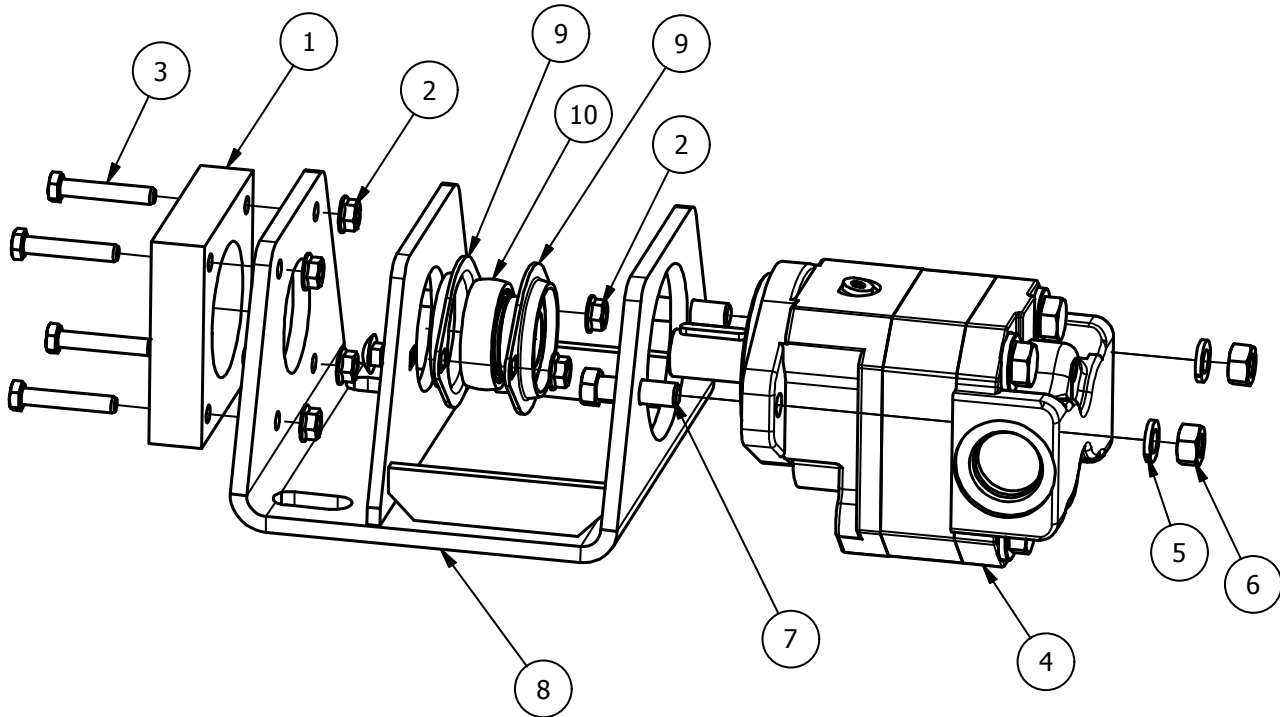
ITEM	PART NO	SERIAL NO OR YR	DESCRIPTION	QTY
1	73-080-039		WELDMENT, CHAIN TENSIONER	1
2	70-010140		JAMNUT, 5/8 NC PLT	4
3	73-026-010		SCREW, CHAIN TENSIONER LONG	1
4	73-026-011		SCREW, CHAIN TENSIONER SHORT	1
5	33-052-027		LINK, #60 OFFSET	2
6	54-010060		SETSCREW, 3/8X1/2 NYLON TIP ALLEN HD	1

ASSY, HYDRAULIC CYLINDER (73-081-041)



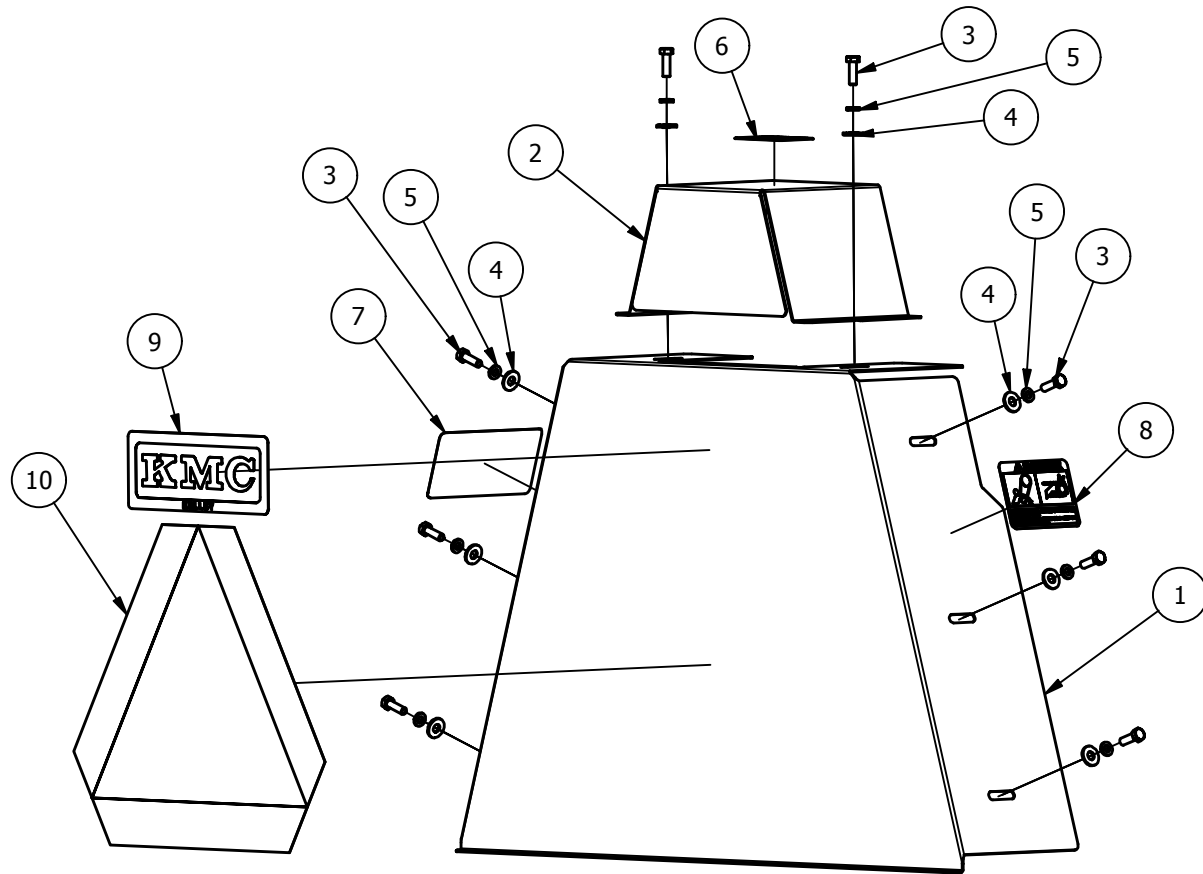
ITEM	PART NO	DESCRIPTION	SERIAL NO OR YR	QTY
1	33-061-204	CYLINDER, 2.5 X 8 X 1.125		1
2	73-159-00000	ADAPTER, 8MB-8MJ-90- 0.031RESTRICTOR		2
3	73-081-028	ASSY, CHAIN TENSIONER		1

MOUNT, FAN SIDE BRG **(73-081-035)**



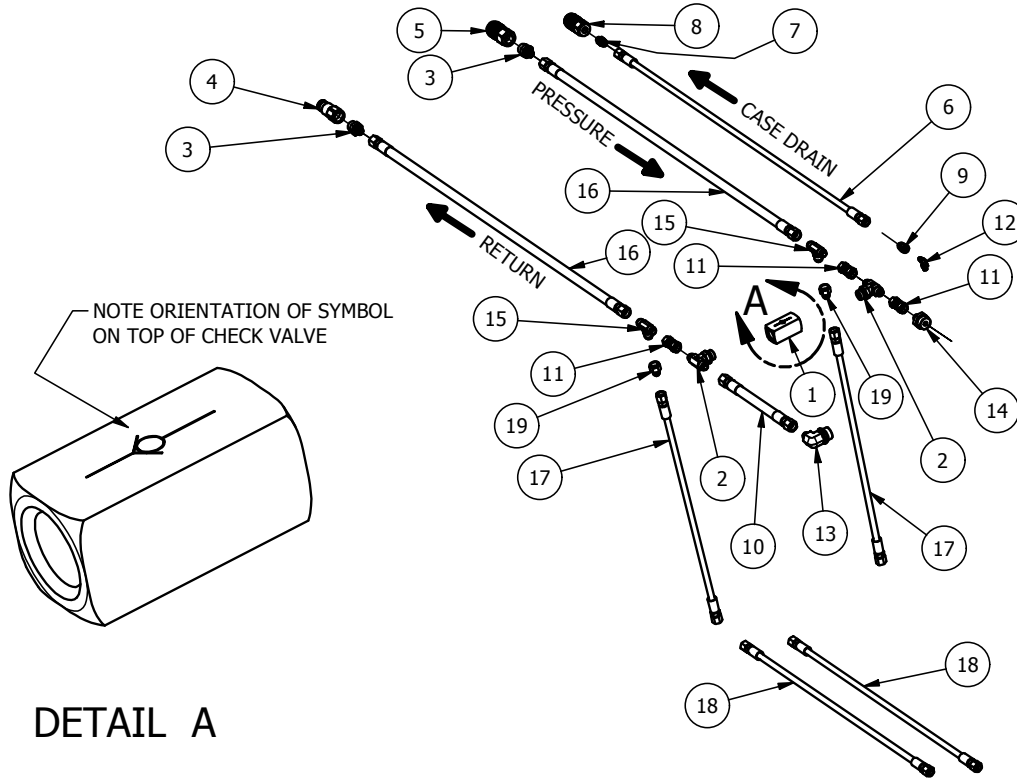
ITEM	PART NO	DESCRIPTION	SERIAL NO OR YR	QTY
1	73-023-003	SUPPORT, FAN HOUSING		1
2	78-020049	5/16" WHIZ NUT		6
3	48-090033	CAPSCREW, 5/16 X 1-3/4 G5 PLT		4
4	73-061-001	MOTOR, HYDRAULIC		1
5	66-010200	LOCKWASHER, 7/16 PLT		2
6	68-010200	HEXNUT, 7/16 NC		2
7	48-090400	CAPSCREW, 7/16 X 1 1/2 NC G5 PLT		2
8	73-080-055	WELDMENT, MOTOR MOUNT		1
9	04-051-002	FLANGE, 52 MST		2
10	03-051-021	BEARING, 1" EXT. W/ COLLAR		1
11	52-050005	CARRIAGE BOLT, 5/16 X 3/4 NC GD 5 PLT		2

ASSEMBLY, SHIELD **(73-081-030)**



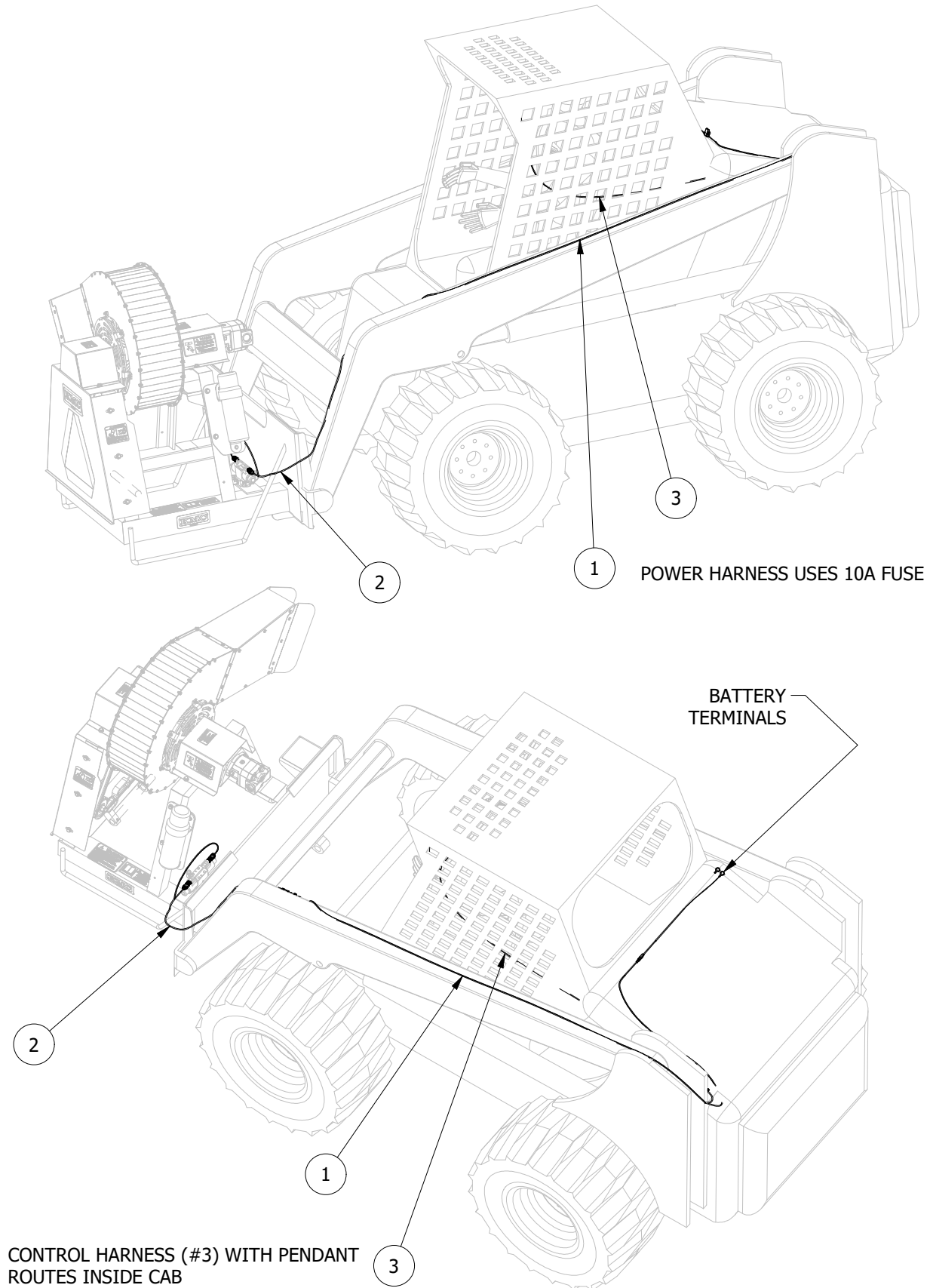
ITEM	PART NO	DESCRIPTION	SERIAL NO OR YR	QTY
1	73-027-063	SHIELD, REAR		1
2	73-027-064	SHIELD, REAR TOP		1
3	48-090036	CAPSCREW, 5/16 X 1 NC G5 PLT		8
4	62-010050	FLATWASHER, 5/16" STD PLT		8
5	66-010100	LOCKWASHER, 5/16 PLT		8
6	33-050-036	DANGER, FAN DECAL		1
7	73-150-00001	DECAL, ROTATING FAN NOZZLE DANGER		1
8	33-050-248	DECAL, BELT AND CHAIN DANGER		1
9	02-050-167	DECAL, KMC WHITE 3-3/8 X 9		1
10	33-050-041	SMV EMBLEM		1

ASSY, SS PH BLOWER HYD **(73-081-040)**



ITEM	PART NO	DESCRIPTION	SEIAL NO OR YR	QTY
1	64-061-002	VALVE, CHECK 5PSI-12FB		1
2	73-059-001	ADAPTER, 10MJ-10MJ-12MB TEE		2
3	33-059-028	ADAPTER, 10MJ-12MB		2
4	64-059-009	NIPPLE, F/F 1/2-12FB		1
5	64-059-008	COUPLER, F/F 1/2-12FB		1
6	11-059-010	HOSE, 6M3K-8FJX-8FJX-48		1
7	33-059-107	ADAPTER, 6MB - 8MJ		1
8	72-059-010	COUPLER, F/F 3/8-6FB		1
9	73-059-004	ADAPTER, 4FJ-8MJ		1
10	73-059-007	HOSE, 10M3K 10FJX-10FJX-13.5		1
11	73-059-005	ADAPTER, 10FJX-10FJX		3
12	33-059-019	ADAPTER, 4MB-4MJ-90		1
13	33-059-048	ADAPTER, 16MB-10MJ-90		1
14	33-059-041	ADAPTER, 10MJ-16MB		1
15	03-059-008	TEE, 10MJ-10MJ-10MJ UNION		2
16	33-059-035	HOSE, 10M3K-10FJX-10FJX-49"		2
17	33-059-092	HOSE, 6M3K-8FJX-8FJX-30		2
18	11-059-011	HOSE, 6M3K-8FJX-8FJX-36		2
19	42-059-061	ADAPTER, 10FJ-8MJ		2

WIRING HARNESS



ITEM	PART NO	SERIAL NO OR YR	DESCRIPTION	QTY
1	73-162-00001		HARNESS, POWER	1
2	73-162-00002		HARNESS, VALVE	1
3	73-162-00003		HARNESS, CONTROL	1



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