

DL Fan with Light Installation Guide

DL Fan with Light

HF0525-1 (115VAC)

HF0525-3 (277VAC)

Patent Pending



A Product of

DL FAN



340 Gateway Park Drive
North Syracuse, NY 13212

Phone: 315-463-7348

Toll Free: 866-235-7468

Fax: 315-463-8559

Email:

sales@dlmanufacturing.com

www.dlmanufacturing.com

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WARNING!!!

Use caution when handling and operating the DL Fan with Light. Rotating blades can cause harm. Keep hands and body parts out the shroud and away from blades. Do not operate fan if the finger guards are damaged or missing.

YEARLY MAINTENANCE

- Inspect fan and light power cables for damage or fraying; replace as needed.
- Check swing arm wall mount fasteners for tightness; tighten as needed.
- Verify all finger guards are properly installed and not damaged.
- Clean unit.

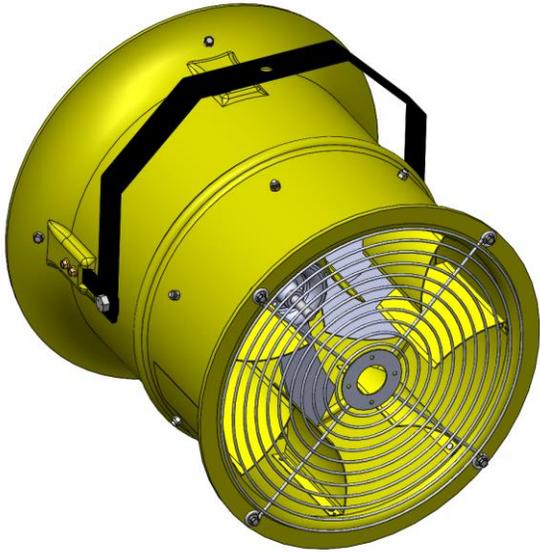
WARNING!!!

- Disconnect AC power to DL Fan with Light prior to servicing.
- DL Fan with Light must be installed by a qualified electrician and mechanic.
- Do not use DL Fan with Light in hazardous or corrosive environments.
- Verify that DL Fan with Light is not in a location that will distribute hazardous fumes.

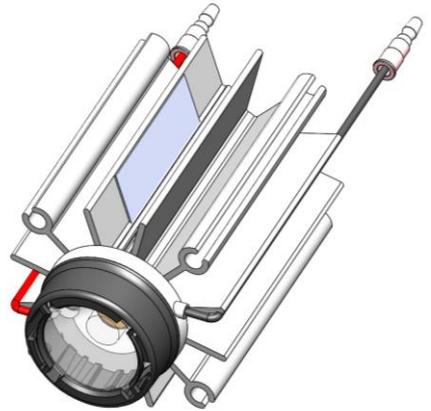
Table #1 - Fasteners

Mounting Options	Fastener Type / Hardware	Quantity	Notes
Poured Concrete Wall	3/8" x 2-3/4" Wedge Anchor	8	Fastenal Part # 11553494
Concrete Block	3/8" x 1-7/8" Hex Nut Sleeve Anchor and 3/8" Flat Washer.	8	Fastenal Part # 52081
Wood backed by solid material	3/8" x 2-3/4" Anchor and 3/8" washer. (Type of anchor used will depend on type of solid backing. See above methods)	8	SEE ABOVE
6" Bollard	6" U-Bolt / 3/8" Nylock / 3/8" Flat Washer	3 / 6 / 6	McMaster-Carr Part # 3042T26
Steel	Weld	8" Weld Bead	1/4" Bead, Min 2" per side

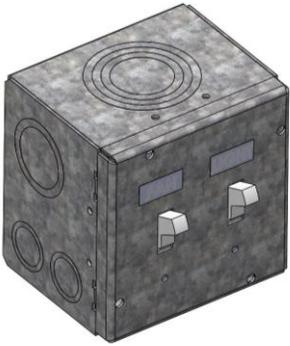
Parts Break Down and Mounting Options



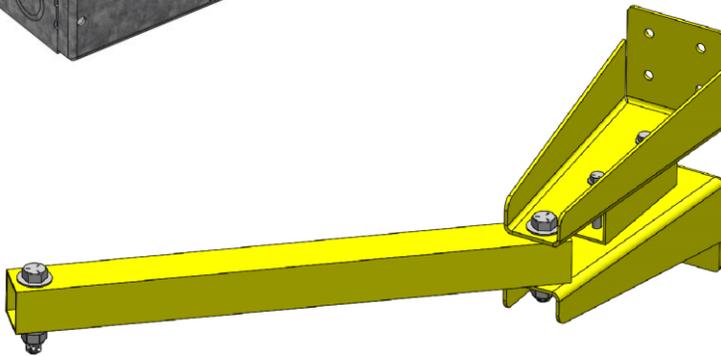
DL Fan
HF0515



LED Light Head Kit
HF5043
Pre-installed on fan
outlet finger guard



Fan/Light
Switch Box
HF8000



Swing Arm Wall
Mount
24" - HF5023
30" - HF5057
36" - HF5058

Light Head Power Cable (Low Voltage)
HF8001

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1. The Swing Arm Wall Mount Assembly can be ordered in the following configurations; HF5023 (24"), HF5057 (30") or HF5058 (36"). This determines the length of the Swing Arm (ITEM #7) shown in Figure #1. Swing Arm lengths can also be swapped out as needed. Refer to Table #2 for Swing Arm length adjustments.

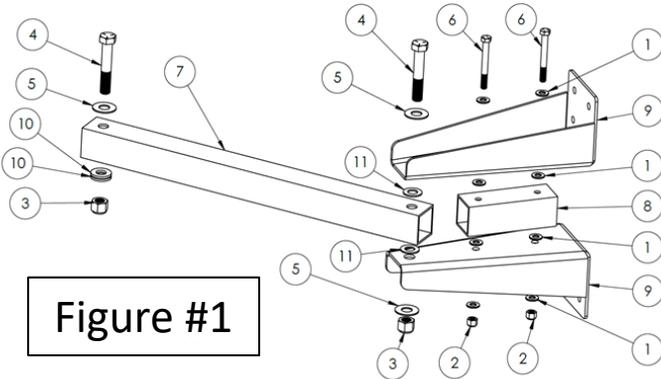


Figure #1

Part Number	Description
HF4054	24" Swing Arm
HF4149	30" Swing Arm
HF4150	36" Swing Arm

Item No.	Part Number	Description	QTY
1	AT2012	3/8" FLAT WASHER	8
2	CP2056	3/8"-16 NYLOCK NUT	2
3	HF2011	5/8"-18 NYLOCK NUT	2
4	HF2012	5/8"-18 X 3-1/2" HEX BOLT	2
5	HF2013	5/8" FLAT WASHER	3
6	HF2014	3/8"-16 X 3-1/4" HEX BOLT	2
7	SEE TABLE #2		1
8	HF4055	SWING ARM SPACER	1
9	HF4080	SWING ARM MOUNTING PLATE	2
10	CP2349	0.656 FLAT WASHER	2
11	CP2336	0.64 NYLON WASHER	2

2. Measure the width of your door opening and refer to Table #3 below for SUGGESTED mounting heights based on door width, swing arm length and a free/clear door opening. Final mounting height should be based on door-specific equipment and activity (i.e. conveyor loading, fork truck loading, seal/shelter intrusion, etc.) that could damage or interfere with fan operation. The DL Fan can be mounted on either side of the door opening.

Door Width	Suggested Height From Floor (DIM A)	Swing Arm Wall Mount Assembly Distance From Jamb (DIM B)		
		HF5023 24" Asm.	HF5057 30" Asm.	HF5058 36" Asm.
8' 0"	90"	8"	x	x
8' 6"	90"	5-1/2"	x	x
9' 0"	90"	3"	6"	x
9' 6"	90"	x	3-1/2"	6-1/2"
10' 0"	90"	x	x	4"

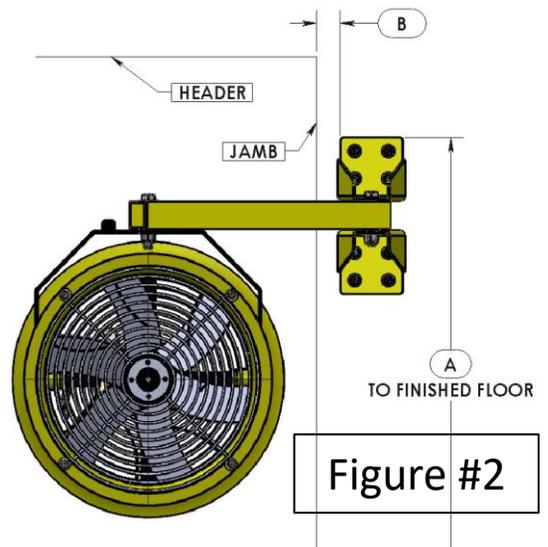


Figure #2

DL Fan with Light Installation Guide

3. Using the approved fasteners in Table #1, attach the Swing Arm to your mounting surface. Ensure all fasteners are tight and the mount is firmly secured.

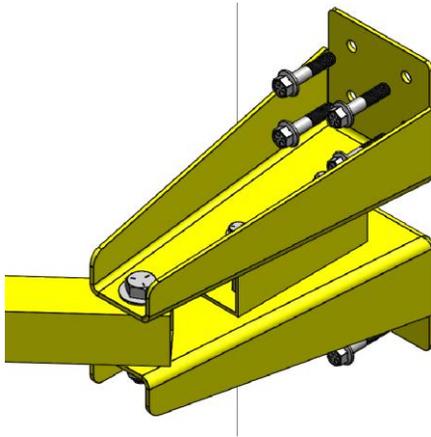


Figure #3

4. Remove bolt, nut, and washers from the end of the swing arm and attach the DL Fan. Tighten nut and bolt to a 100 ft-lb torque setting. The DL Fan should be able to pivot horizontally with some resistance. If the DL Fan rotates too hard, loosen nut and bolt until the resistance is acceptable. Ensure the nylock on the nut is fully engaged. See Figure #4 below for exploded view.

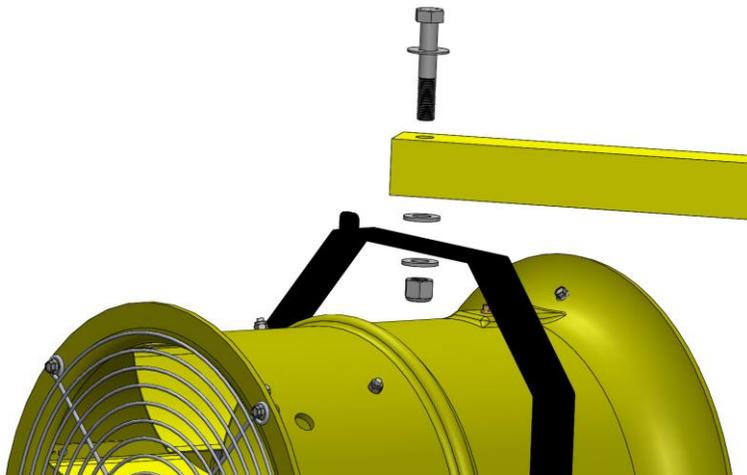
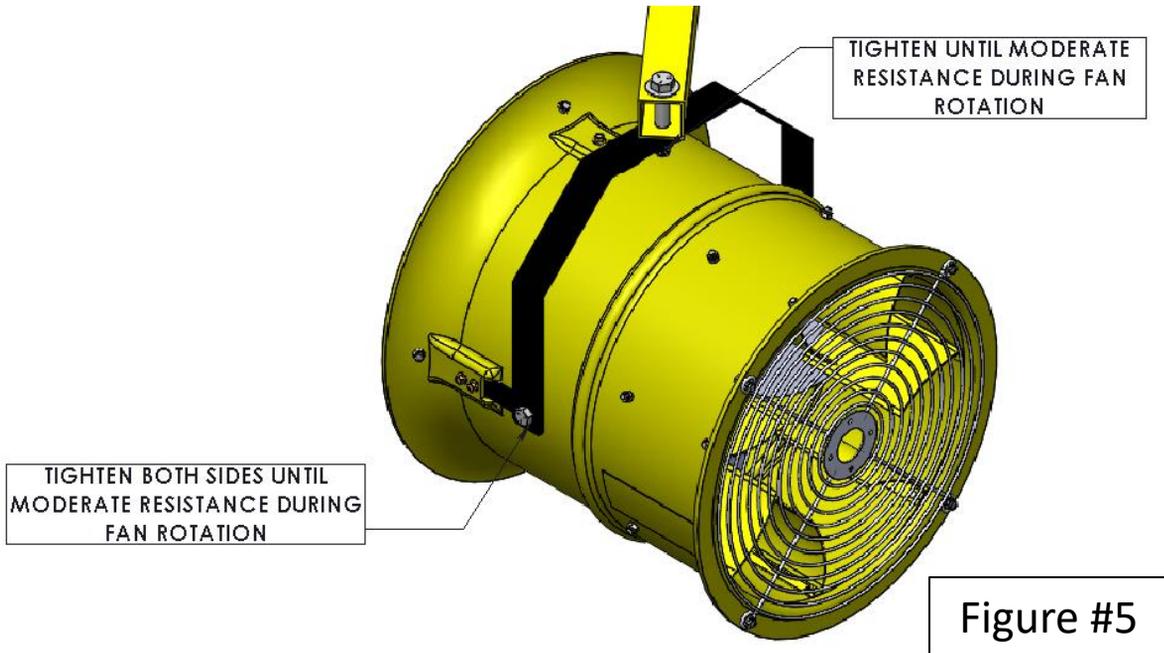


Figure #4

DL Fan with Light Installation Guide

5. Use zip ties to secure the fan power cord and the light head power cable to the swing arm and wall mount. Do not secure the cords near swivel or pinch points that could snag the cords when the fan is rotated. Ensure the fan can swing freely in all directions without pulling on the power cords. Use zip ties to secure excess power cord material to the wall mount or other suitable wall fixture to keep cords out of door opening and away from the fan. Tighten fan side bolts to a 100 ft-lb torque setting. The DL Fan should pivot vertically with reasonable force; adjust bolts to achieve desired resistance. See Figure #5.



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**All electrical work must be completed by a qualified electrician.
Refer to page 7 for additional wiring instructions.**

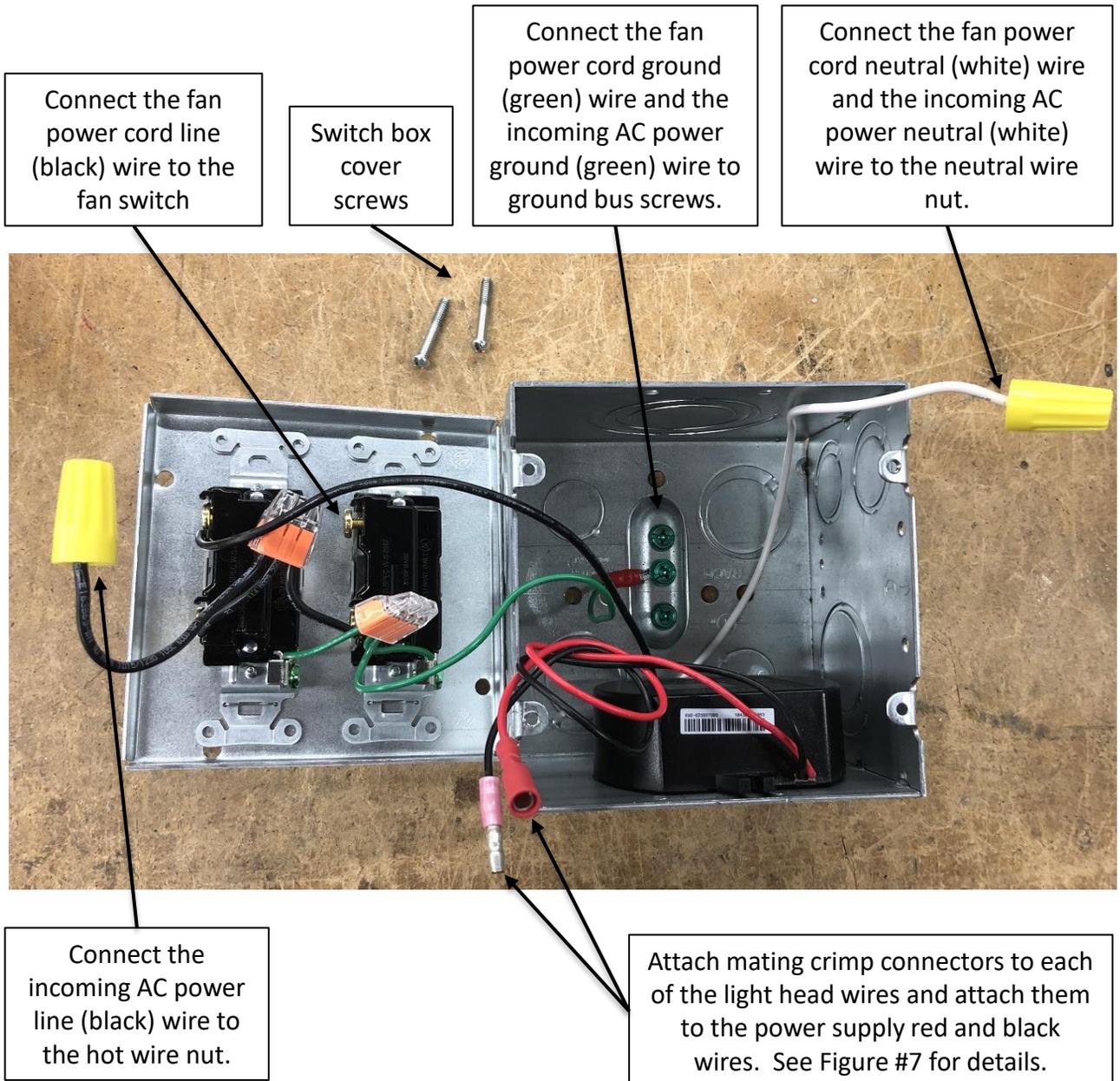


Figure #6

DL Fan with Light Installation Guide

All electrical work must be completed by a qualified electrician

1. Mount the Fan/Light Switch Box (HF8000) on the wall. Make sure it is mounted in a location that will allow for full motion of the fan so that the fan and light power wires will not pull or become damaged.
2. Run the fan power cord and grey light head power cable (HF8001) from the fan housing to the Fan/Light switch box (HF8000). Remove the optional NEMA 5-15 plug connector from the fan power cord. Strip back approx. 6" of the cord outer insulation and approx. ¼" of insulation off the ends of the black/white/green wires to prep them for connection (hardwiring) to the Fan/Light Switch Box internal components.
3. Connect fan power cord line (black) wire to the fan switch. Connect the fan power cord neutral (white) wire to the neutral wire nut (white wires). Connect the fan power cord ground (green) wire to the switch box ground bus. See Figure #6 for details.
4. Shorten the grey light power cable (HF8001) to leave approx. 12" of cable inside the switch box and remove approx. 6" of the outer cable grey insulation; 6 inches of the black and red wires should be exposed.
5. Strip approx. ¼" off the ends of the red and black wires and install the mating crimp connectors to each of the wires and attach them to the power supply red and black wires. See Figure #7 for details.

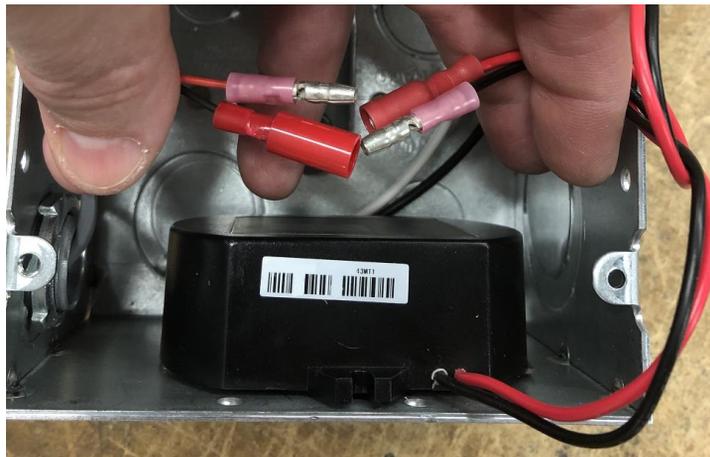


Figure #7

Connect black wire to black wire and red wire to red wire.

6. Run incoming AC power into the Fan/Light Switch Box. Connect the incoming AC power neutral wire to the neutral wire nut (white wires). Connect the incoming AC power line (black) wire to the line wire nut (black wires). Connect the incoming AC power ground (green) wire to the switch box ground bus. See Figure #6 for details.
7. Tighten all connections and install cover screws.

DL Manufacturing

Terms / Conditions/ Warranty

Shipping Times

- Orders for stock items received by 3:00pm EST will be processed for shipment the next day. Orders requesting 2nd Day Air or Overnight Air received by 1:00pm will be processed for same day shipment.

Shipments / Freight

- All DL Manufacturing orders will ship directly from our facility in North Syracuse, NY.
- All parts will be shipped via UPS Ground unless you authorize a different service. UPS shipments are pre-paid and the charges are added to your invoices.
- For orders shipping by common carrier, the freight will be FOB, North Syracuse, NY. When “best way” is the preferred shipping method on your order, DL Manufacturing will choose the carrier, unless otherwise stated, for the orders shipping from this facility. No adjustments will be made after the order has shipped.

Returns

- DL Manufacturing will issue a Returned Material Authorization (RMA) number for any product, parts and accessories. Products should not be returned without an RMA number.
- Replacement parts will be invoiced at the time of shipping. Invoices will be credited upon receipt and inspection of Returned Material Authorization (RMA).
- Freight for returns is paid for by the shipper unless otherwise specified by DL Manufacturing.
- A restocking fee of 25% of net price or a minimum \$20.00 is charged for returns.
- All replacement parts are warranted for a period of 90 days from shipment.

Cancellation Fees

- Cancellation charges may be incurred on orders cancelled with DL Manufacturing. Please contact DL Manufacturing to discuss each situation.

Warranty Policy

- All Products (excluding bulbs) manufactured by DL Manufacturing are warranted to be free from defects for a period of 12 months from the date of shipment, excluding doors, which have a warranty period of 12 months from date of installation or 18 months from shipment, whenever occurs first. This warranty does not cover unreasonable/improper use or use beyond rated conditions, improper storage, negligence or accident; damage because of incorporated use of equipment with Goods, after Customer has or reasonably should have, knowledge of any defect; or improperly installed by any other Person that is unauthorized by DL Manufacturing. This warranty is subject to customer covenants to inform all subsequent buyers of the Goods of the limitation on and exclusive of warranties provided for herein. Customer hereby indemnifies and agrees to hold DL Manufacturing harmless from and against all losses, costs and expenses, including reasonable attorney’s fees incurred by DL Manufacturing as a result of any third-party claim relating to the purchase, sale or use of, or otherwise relating to, the Goods covered by this Agreement. In no event shall DL Manufacturing be required to repair, replace or reimburse Customer for more than the part or material that is found to be defective and DL Manufacturing’s liability shall in such event be no greater than the invoiced price of the item and shall not include labor, shipping or other costs incurred in connection with the reshipment of defective Goods to DL Manufacturing or the reinstallation of such Goods after any repair or replacement. The remedy set forth in this paragraph is expressly agreed to be the sole and exclusive remedy for any breach of warranty. This warranty is exclusive and in lieu of all other warranties expressed or implied, including but not limited to any warranty of merchantability or of fitness for a particular purpose. Limitation of Liability - In no event as a result of breach of contract, warranty or negligence shall DL Manufacturing be liable for special, or consequential damages including but not limited to loss of profits or revenues, loss of any equipment, cost of capital, cost of substitute equipment, facilities or services, downtime costs or claims of purchasers of the Customer for such damages. Additionally, DL Manufacturing will not be liable for any delay in the performance of contracts and orders, or in the shipment and delivery of goods, or for any damage suffered by the Customer by reason of delay, when such delay is, directly or indirectly, caused by force majeure, including war, Government interference, strikes, embargoes, shortage of labor, fuel, fires, floods, or any other cause or cause whether or not similar in nature to any of those herein before specified beyond DL Manufacturing’s control.

Service & Support Helpline: 866.461.1246
Service & Support Email: dlservice@dlmanufacturing.com