Notes

E N G L I S H

Manufactured for Dayton Electric Mfg.co Niles Illinois 60714 U.S.A



Operating Instructions &Parts Manual

5ERJ9, 5ERK0 thru 5ERK8

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and other by observing all safety information. Failure to comply with instructions could result serious or fatal injury and/or property damage! Retain instructions for future reference.

Dayton Steerable Skate

Description

Dayton Steerable Skates are designed for transporting industrial machinery and other heavy equipment over firm and level surfaces. Steerable skates are supported on a large-diameter thrust rotating disk with anti-slip rubber, and rear trolleys work with the turntable and steering handle for superior maneuverability .Steerable skates have a rugged steel frame, a handle for carrying or steering the skate, and a rubber pad. Multiple models and capacities are offered to meet a variety of needs.

General Safety Information READ MANUFACTURERS' INSTRUCTIONS BEFORE JACKING EQUIPMENT

1.Only trained and qualified operators should use this product.

ACAUTION
Never exceed the maximum capacity of the skate or use in a manner inconsistent with its intended use.
2. Ensure that all skates are properly aligned during use, Figure 3.
3. Ensure that load is properly seated.

3.Ensure that load is properly seated on each skate, Figures 2 and 4.

4.Keep the moving path free of foreign matter and debris, Figure 5.

CAUTION Do not use on inclines or uneven surfaces, Figure 6.

5. Utilize steering handles, Figure 7. 6. Always visually monitor the skates and load during use.









Figure 2

Figure 4

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Figure 6



Figure 7



Figure 1

Unpacking

Upon receipt, visually inspect for product damage. If damage is evident, notify delivering carrier immediately and file necessary claims.

Operation

- 1.Each roller must be inspected before initial use. The rollers should be inspected every six months after initial use.
- When installing your roller under your heavy object, select an area that is easily accessible,

Specifications

Model Number	Capacity	Capacity	Overall Height	Overall Length	Overall Width	Handle	Number of Rollers	Roller Dia
	(lbs.)	(Tons)	(In)	(In)	(In)	(In)		(In)
5ERJ9	5510	2 1/2	4 5/16	9.3	10	576	4	3 3/8
5ERK0	5510	2 1/2	4 5/16	40	7.8	N/A	4	3 3/8
5ERK1	11000	5	4 5/16	20	24	576	8	3 3/8
5ERK2	11000	5	4 5/16	40	10.8	N/A	8	3 3/8
5ERK3	16500	7 1/2	4 5/16	22.8	31.3	576	12	3 3/8
5ERK4	16500	7 1/2	4 5/16	40	10.4	N/A	12	3 3/8
5ERK5	22000	10	4 5/16	24.3	37.6	576	16	3 3/8
5ERK6	22000	10	4 5/16	40	10.8	N/A	16	3 3/8
5ERK7	33000	15	7 1/16	29.3	42.1	576	16	5 1/2
5ERK8	33000	15	7 1/16	41.7	15.3	N/A	16	5 1/2

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Models 5ERJ9, 5ERK0 thru 5ERK8

Dayton[®] Steerable Skate

Operation (Continued)

and also provides the best load distribution, such as the corners of the object being moved. The point of placement should be able to support that part of the load. Lifting the object may be accomplished by a hydraulic jack, hoist, fork truck, pry bar, or any similar device depending upon the load weight. Lifting height is determined by the height of the roller. Note that the roller's low height makes lifting or raising of the equipment minimal.

- 3.Particular care should be taken when installing rollers. Such care should include lifting, prying and/or jacking the loads. All relevant manufacturer's bulletins on the use of any accessory equipment should be read thoroughly before proceeding.
- 4. Particular care should be paid to exact alignment of the rollers. Failure to do so could increase surface friction and, in cases of severe misalignment, cause possible shifting of the object on the roller. Rollers should be installed parallel to each other and at the same height.
- 5. Maximum speed of rolling surface should not exceed 10ft/min (3 meters/min).
- 6.If the object being moved has limited contact area or for any reason can shift, the roller should be affixed to the load in at least some temporary manner. This method of affixing the roller to the load should be able to withstand any horizontal force that might result from the load shift.
- 7. Particular care should be taken when moving top heavy equipment or equipment where there is a high center of gravity. The user should take all necessary precautions so that

- that the load center is not allowed to shift even in the slightest amount. These precautions may include:
- (1) Constant monitoring of rollers.(2) Absolute cleanliness of moving surfaces.
- (3)Use of a temporary method of attaching roller to load.
- (4) Not moving on uneven surfaces or changing levels.
- (5)Use of preload pads.
- (6) Not turning load while moving.(7) Moving slowly at all times.
- The path upon which the roller transports the heavy load should be clean of all debris and should not have sharp protrusions of any sort.
- 9. Check to be sure that the floor surface or subsurface cannot deflect or "sag" due to the load concentration at that point. If so, the surface must be improved.
- 10. Rollers should be periodically inspected in accordance with Maintenance Instructions.
- 11. When using Rollers, it is assumed that the user has experience in moving or transporting heavy loads and can apply the common sense practices that apply in the wise and careful methods required to move, shift or transport heavy equipment.
- 12.If there are any questions or lack of experience in using rollers, be sure to contact our technical staff

Maintenance

General maintenance requirements for the Steerable Skate System are limited to periodic visual inspections of the Skate System Components to ensure that they are able to move freely, so as not to impede the operation of the Roller System. Below are the recommended procedures to maintain the Roller System in proper working order.

- a. The Steerable Skate should be visually inspected after every 50 hours of use, or every six months, which ever comes first, or after a prolonged period of use.
- b. Frame Inspection Points:
- (1) Inspect all structural members for proper integrity.
- (2) Make certain all bolts (if any) are free of corrosion.
- (3)Clean dirt and grease off the center load plate.
- (4)Inspect for any cracks or excessive wear.

Storage

- 1. It is recommended that the rollers be stored in a dry location, preferably indoors. If they cannot be stored indoors, protect the Rollers by covering them with a suitable waterproof material, such as a sheet of heavy-gauge plastic or a tarpaulin. Do not enclose Rollers in sealed plastic bags because condensation can develop, especially if the Rollers are stored outdoors.
- Make sure that Rollers do not sit on damp surfaces or in water.
 Protect them from dirt and grit, which is especially common in the field or at construction sites.
- 3. If the Rollers are stored for extended periods, visually inspect the Rollers every few months and re-lubricate if necessary.

 NOTE: Prior to use after long-term storage, remove excess grease to minimize the attraction of foreign debris and to insure normal operation.

WARNING Do not attempt to repair this product unless you are trained and authorized to do so. Serious injury could result.

WARNING These products may not be altered in any way without written permission from the manufacturer.



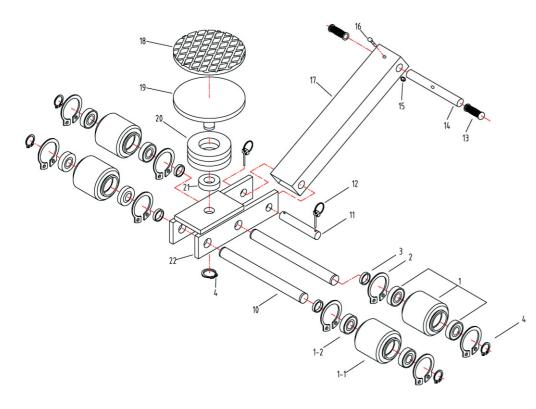
24 hours a day-365 days a year

Please provide following information:

-Model number

E N G L I S H

- -Serial number(if any)
- -Part description and number as shown in part list



Part description and number as shown in part list

Repair Parts List for 5ERJ9

Ref. NO.	Description	Part NO.	Qty.
•	Roller kit	MH5ERJ901G	
1-1	Roller	A	4
1-2	Bearing	A	8
2	Retaining Ring A55	A	8
3	Bushing	*	4
4	Retaining Ring A25	MH5ERJ902G	5
10	Axle	*	2
11	Pivot Rod	*	1
12	Pin	*	2

Ref. NO.	Description	Part NO.	Qty.
13	Rubber Grip	MH5ERJ903G	2
14	Handle	MH5ERJ904G	1
15	Hexagon Nut M6	*	1
16	Hex Head Bolt M6x40	*	1
17	Handle Bar	*	1
18	Anti-skid Pad	MH5ERJ905G	1
19	Swivel Plate	*	1
20	Bearing	MH5ERJ906G	1
21	Bushing	*	1
22	Roller Frame	*	1

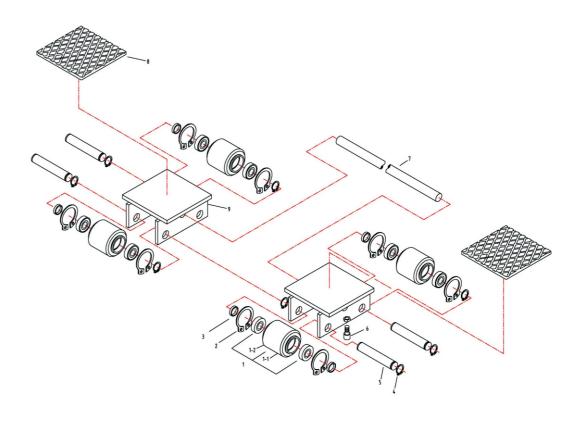
- (A) Available in kit only. Kit consists of one replacement roll assembly.
- (*) Not available as repair part.

For Repair Parts, Call 1-800-323-0620

24 hours a day-365 days a year

Please provide following information:

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Part description and number as shown in part list

Repair Parts List for 5ERK0

Ref. NO.	Description	Part NO.	Qty.	Ref. NO.	Description	Part NO.	Qty.
	Roller kit	MH5ERJ901G		7	Spacer Rod	*	1
1-1	Roller	A	4	8	Anti-skid Pad	MH5ERK001G	2
1-2	Bearing	A	8	9	Roller Frame	*	2
2	Retaining Ring A55	A	8				
3	Bushing	*	8				
4	Retaining Ring A25	MH5ERJ902G	8				
5	Axle	*	4				
6	Hex socket Screw M12x20	*	2				

- (A) Available in kit only. Kit consists of one replacement roll assembly.
- (*) Not available as repair part.



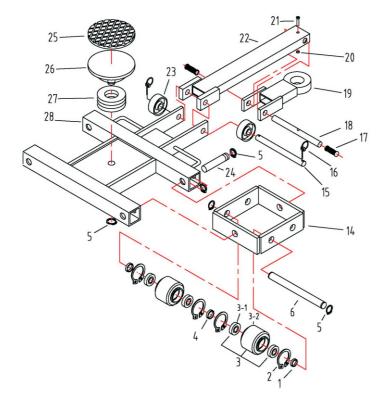
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Repair Parts List for 5ERK1

Ref. NO.	Description	Part NO.	Qty.
1	Bushing	*	. 8
	Roller Kit	MH5ERJ901G	
3-1	Bearing	A	16
3-2	Roller	A	16
2	Retaining Ring A55	A	8
4	Bushing	*	4
5	Retaining Ring A25	MH5ERJ902G	17
6	Axle	*	4
14	Wheel Frame	*	2
15	Pivot Rod	*	1
16	Pin	*	2

17	Rubber Grip	MH5ERJ903G	2
18	Pivot Rod	*	1
19	Pull Ring	*	1
20	Hexagon Nut M6	*	1
21	Hex head Bolt M6x40	*	1
22	Handle Bar	*	1
23	Auxiliary Roller	MH5ERK101G	2
24	Wheel Frame Pin	*	4
25	Anti-skid Pad	MH5ERK102G	1
26	Swivel Plate	*	1
27	Bearing	MH5ERK103G	1
28	Main Frame	*	1

Part NO.

Qty.

Description

- (*) Not available as repair part.

For Repair Parts, Call 1-800-323-0620

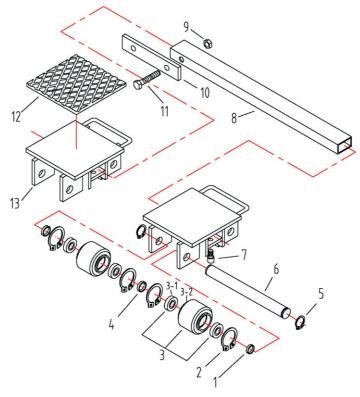
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24 hours a day-365 days a year

-Part description and number as shown in part list

Please provide following information:

-Model number -Serial number(if any)



Part description and number as shown in part list

Repair Parts List for 5ERK2

Ref. NO.	Description	Part NO.	Qty.	Ref. NO.	Description	Part NO.	Qty.
1	Bushing	*	8	. 7	Hex Socket Screw M12x20	*	4
	Roller kit	MH5ERJ901G		8	Connecting Bar	*	2
3-1	Bearing	A	16	9	Hex Locking Nut M16	*	2
3-2	Roller	A	16	10	Link Plate	*	2
2	Retaining Ring A55	A	8	11	Hex Head Bolt M16x90	*	2
4	Bearing	*	4	12	Anti-skid Pad	MH5ERK201G	2
5	Retaining Ring A25	MH5ERJ902G	8	13	Roller Frame	*	2
. 6	Axle	*	. 4				

- (A) Available in kit only. Kit consists of one replacement roll assembly.
- (*) Not available as repair part.

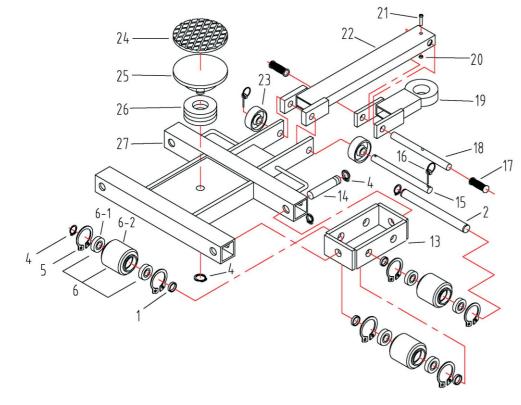


Please provide following information:

-Model number

E N G L S H

- -Serial number(if any)
- -Part description and number as shown in part list



Part description and number as shown in part list

Repair Parts List for 5ERK3

Ref. NO.	Description	Part NO.	Qty.	Ref. NO.	Description	Part NO.	Qty.
1	Bushing	*	16	 17	Rubber Grip	MH5ERJ903G	2
2	Axle	*	4	18	Pivot Pod	*	1
4	Retaining Ring A25	MH5ERJ902G	17	19	Pull Ring	*	1
	Roller kit	MH5ERJ901G		20	Hexagon Nut M6	*	1
6-1	Bearing	A	24	21	Hex Head Bolt M6x40	*	1
6-2	Roller	A	12	22	Handle Bar	*	1
5	Retaining Ring A55	A	24	23	Auxiliary Roller	MH5ERK301G	2
13	Wheel Frame	*	2	24	Anti-skid Pad	MH5ERK302G	1
14	Axle	*	4	25	Swivel Plate	*	1
15	Pivot Pod	*	1	26	Bearing	MH5ERK303G	1
16	Pin	*	2	27	Main Frame	*	1

(A) Available in kit only. Kit consists of one replacement roll assembly.

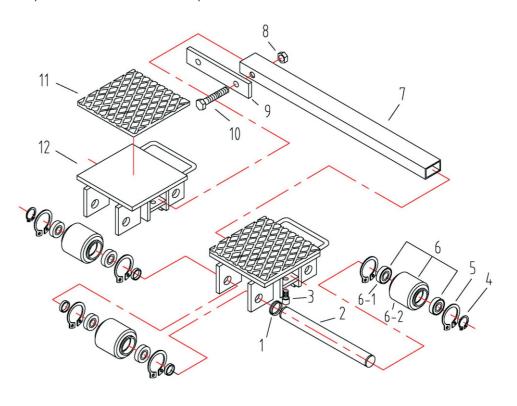
(*) Not available as repair part.

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Part description and number as shown in part list

Repair Parts List for 5ERK4

Ref. NO.	Description	Part NO.	Qty.
1	Bushing	*	16
2	Axle	*	4
3	Hex Socket Screw M12x20	*	4
4	Retaining Ring A25	MH5ERJ902G	8
	Roller kit	MH5ERJ901G	
5	Retaining Ring A55	A	24
6-1	Bearing	A	24
6-2	Roller	A	12

Description	Part NO.	Qty.
Connecting Bar	*	2
Hex Locking Nut M16	*	2
Link Plate	*	2
Hex Head Bolt M16x90	*	2
Anti-skid Pad	MH5ERK401G	2
	Connecting Bar Hex Locking Nut M16 Link Plate Hex Head Bolt M16x90	Connecting Bar * Hex Locking Nut M16 * Link Plate * Hex Head Bolt M16x90 *

(A) Available in kit only. Kit consists of one replacement roll assembly.

(*) Not available as repair part.



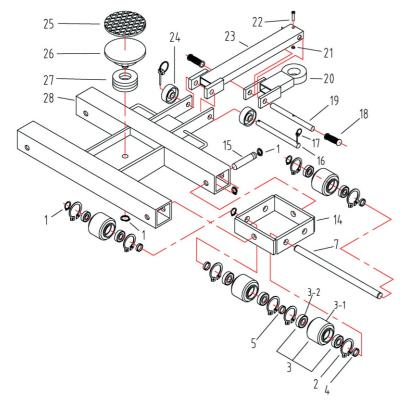
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- -Serial number(if any)
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Part description and number as shown in part list

Repair Parts List for 5ERK5

Ref. NO.	Description	Part NO.	Qty.		ef. IO.	Description	Part NO.	Qty.
1	Retaining Ring A25	MH5ERJ902G	17		18	Rubber Grip	MH5ERJ903G	2
	Roller Kit	MH5ERJ901G			19	Handle	*	1
2	Retaining Ring A55	A	32	2	20	Pull Ring	*	1
3-1	Bearing	A	32	2	21	Hexagon Nut M6	*	1
3-2	Roller	A	16	2	22	Hex Head Bolt M6x40	*	1
4	Bushing	*	16	2	23	Handle Bar	*	1
5	Bushing	*	4	2	24	Auxiliary Roller	MH5ERK501G	2
7	Axle	*	4	2	25	Anti-skid Pad	MH5ERK502G	1
14	Wheel Frame	*	2		26	Swivel Plate	*	1
15	Pivot Rod	*	4		27	Bearing	MH5ERK503G	1
16	Pivot Rod	*	1	2	28	Roller Frame	*	1
17	Pin	*	2					

(**A**) Available in kit only. Kit consists of one replacement roll assembly.

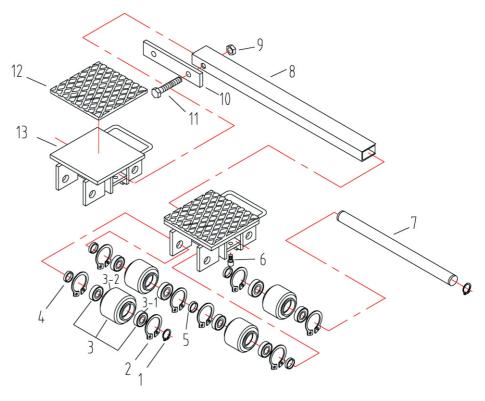
(*) Not available as repair part.

For Repair Parts, Call 1-800-323-0620

24 hours a day-365 days a year

Please provide following information:

- -Model number
- -Serial number(if any)
- -Part description and number as shown in part list



Part description and number as shown in part list

Repair Parts List for 5ERK6

Ref. NO.	Description	Part NO.	Qty.	Ref. NO.	Description	Part NO.	C
1	Retaining Ring A25	MH5ERJ902G	8	. 7	Axle	*	
	Roller Kit	MH5ERJ901G		8	Connecting Bar	*	
2	Retaining Ring A55	A	32	9	Hex Locking Nut M16	*	
3-1	Bearing	A	32	10	Link Plate	*	
3-2	Roller	A	16	11	Hex Head Bolt M16x90	*	
4	Bushing	*	16	12	Anti-skid Pad	MH5ERK601G	
5	Bushing	*	4	13	Roller Frame	*	
6	Hex Socket Screw M12x20	*	4				

(A) Available in kit only. Kit consists of one replacement roll assembly.

(*) Not available as repair part.



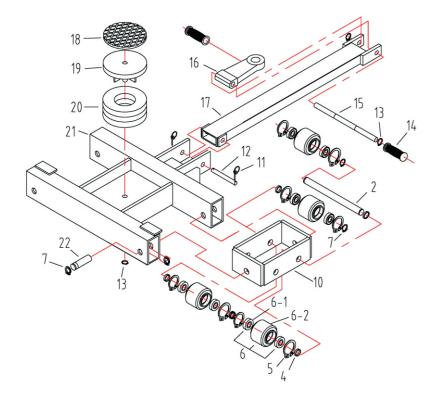
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Part description and number as shown in part list

Repair Parts List for 5ERK7

Ref. NO.	Description	Part NO.	Qty.
2	Axle	*	4
4	Bushing	*	20
	Roller Kit	MH5ERK701G	
5	Retaining Ring A70	A	32
6-1	Bearing	A	32
6-2	Roller	A	16
7	Retaining Ring A35	MH5ERK702G	12
10	Wheel Frame	*	2
11	Pin	*	2
12	Pivot Rod	*	1

Ref. NO.	Description	Part NO.	Qty.
13	Retaining Ring A25	MH5ERJ902G	3
14	Rubber Grip	MH5ERJ903G	2
15	Axle	*	1
16	Pull Ring	*	1
17	Handle Bar	*	1
18	Anti-skid Pad	MH5ERK703G	1
19	Swivel Plate	*	1
20	Bearing	MH5ERK704G	1
21	Roller Frame	*	1
22	Pivot Rod	*	4

- (A) Available in kit only. Kit consists of one replacement roll assembly.
- (*) Not available as repair part.

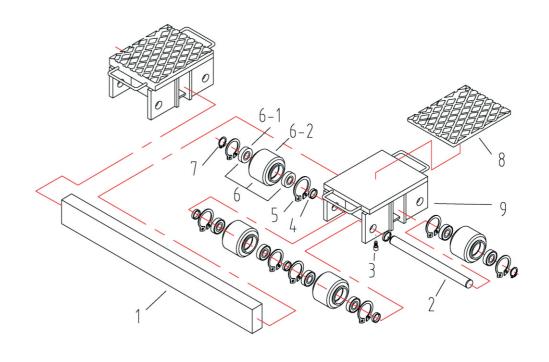
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Part description and number as shown in part list

Repair Parts List for 5ERK8

Ref. NO.	Description	Part NO.	Qty.	Ref. NO.	Description	Part NO.	Qty.
1	Connecting Bar	*	1	•	Roller Kit	MH5ERK701G	•
2	Axle	*	4	5	Retaining Ring A70	A	32
3	Hex socket Screw M12x20	*	4	6-1	Bearing	A	32
4	Bushing	*	20	6-2	Roller	A	16
				7	Rearing Ring A35	MH5ERK702G	8
				8	Anti-skid Pad	MH5ERK801G	2
				9	Roller Frame	*	2

(A) Available in kit only. Kit consists of one replacement roll assembly.

(*) Not available as repair part.



Dayton[®] Steerable Skates

LIMITED WARRANTY

DAYTON ONE-YEAR LIMITED WARRANTY. DAYTON® ROLLER SKATES, MODELS COVERED IN THIS MANUAL, ARE WARRANTED BY DAYTON ELECTRIC MFG. CO. (DAYTON) TO THE ORIGINAL USER AGAINST DEFECTS IN WORKMANSHIP OR MATERIALS UNDER NORMAL USE FOR ONE YEAR AFTER DATE OF PURCHASE. ANY PART WHICH IS DETERMINED TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP AND RETURNED TO AN AUTHORIZED SERVICE LOCATION, AS DAYTON DESIGNATES, SHIPPING COSTS PREPAID, WILL BE, AS THE EXCLUSIVE REMEDY, REPAIRED OR REPLACED AT DAYTON'S OPTION. FOR LIMITED WARRANTY CLAIM PROCEDURES, SEE "PROMPT DISPOSITION" BELOW. THIS LIMITED WARRANTY GIVES PURCHASERS SPECIFIC LEGAL RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION.

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Certain aspects of disclaimers are not applicable to consumer products; e.g., (a) some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you; (b) also, some jurisdictions do not allow a limitation on how long an implied warranty lasts, consequently the above limitation may not apply to you; and (c) by law, during the period of this Limited Warranty, any implied warranties of implied merchantability or fitness for a particular purpose applicable to consumer products purchased by consumers, may not be excluded or otherwise disclaimed.

Prompt Disposition. A good faith effort will be made for prompt correction or other adjustment with respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, first write or call dealer from whom the product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to Dayton at address below, giving dealer's name, address, date, and number of dealer's invoice, and describing the nature of the defect. Title and risk of loss pass to buyer on delivery to common carrier. If product was damaged in transit to you, file claim with carrier.

Manufactured for Dayton Electric Mfg. Co., 5959 W. Howard St., Niles, Illinois 60714-4014 U.S.A.

Dayton

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