

MODEL 90 ICE MAKER PARTS

Eng. Revision: November 9, 2005

Sales Revision: May 25, 2006

When ordering parts, provide the following information: **NORTH STAR** part number, part name, quantity, ice maker serial number and model-year from nameplate attached to top gear housing. When ordering motors, gear reducers or gearboxes, give complete nameplate data from unit in addition to serial number and ice maker model and year.

North Star Dwg. No.	Part No.	Part Name	Quantity
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ACCESS COVER

60C2-0	100353	Access Cover	1
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GEAR HOUSING ASSEMBLY DRAWING 9000-P4

TOP GEAR HOUSING ASSEMBLY

40G0-1	100203	Cover Gasket	1
40G0-2	100204	Top Rotor Bearing	1
60G0-3	100358	"O" Ring	1
60G0-4	100359	Ball Bearing	1
60G0-5	100360	Oil Seal	1
40G0-6	100208	Cup Thrust Bearing	1
40G0-7	100209	Cone Thrust Bearing	1
40G1-0	100210	Cover	1
40G2-0	100211	Rotor Nut (Left Hand Thread)	1
40G3-0	100213	Top Gear Housing	1
40G3-1	100214	Stud Bolt, Nut & Lockwasher	6
40G4-0	100215	Ring Gear Hub Shim Set	1
90G5-1	100430	Ring Gear Hub, (2) Keyways	1
40G5-3	100218	Ring Gear Bolt	12
40G5-4	100219	Ring Gear Nut, Self-Locking	12
40G6-0	100220	Key for Ring Gear Hub	2

PINION HOUSING ASSEMBLY

60G7-0	100361	Pinion Shaft Housing	1
40G8-0(7-88)	100223	Gearbox, Shim Set	1
60G9-0	100362	Pinion Shaft & Ring Gear Set (2 piece set only)	1
60G10-0	100363	Oil Seal Sleeve & Spacer	1
60G11-0	100364	Inside Spacer/Washer	1
40G13-0	100229	Bearing Retainer Ring	1
40G14-0	100231	Outside Spacer/Washer	1
40G15-0	101880	Water Inlet Overflow Shield	1
10G23-0	100061	Emergency Stop Switch Assy	1

MOTOR DRIVE ASSEMBLY DRAWING 9000-P3 & 90IO-0

DRIVE ASSEMBLY

60M0-1		Driven Pulley	1
60M0-2		Drive Belt	1
90M0-3		Drive Motor	1
60M0-4		Drive Pulley	1
10M0-5	100070	Load-Limit Switch	1
10M0-6	100073	Counterwt Support Ball Bearing	1
10M0-7	100074	Felt Washer	2

North Star Dwg. No.	Part No.	Part Name	Quantity
40M1-0	100235	Motor Drive Channel	1
60M1-2	100367	Speed Reducer	1
40M1-4	100238	Motor Mounting Plate	1
60M2-0	103078	Counterweight Support Arm	1
10M3-0	100081	Counter Weight	1
60M5-2	100369	Support Channel	1
90M5-4	100426	Support Channel Extension	1
60M6-0	100370	Belt Guard	1

ROTOR ASSEMBLY DRAWING 9000-P3

<u>ROTOR ASSEMBLY</u>			
10R0-1	100090	Jacking Screw Spacer Plug	18
60R0-2	100374	Bottom Rotor Ball Bearing	1
90R1-0	100427	Rotor	1
40R2-0	100258	Top Ice Plow	1
10R3-012	100096	Water Outlet Fitting-1/2"	1
10R3-058	100097	Water Outlet Fitting-5/8"	7
60R4-015	100377	Ice Removal Tool Block	6
10R5-0	100100	Ice Removal Tool Locking Bar	6
10R5-1	100101	Jacking Bolt	18
10R5-2	100102	Locking Bolt	24
10R5-3	100104	Spacer Washer	As Req'd
40R6-0	100263	Bottom Ice Plow	1

<u>BOTTOM BEARING HOUSING ASSY</u>			
60R7-0	100383	Housing, Bottom Bearing	1
60R8-0	100385	Bearing Holder	1
40R8-3	100270	Bearing Holder Bolt	1
40R9-0	100271	Attachment Ring	1
40R10-0	104385	V-ring Seal, under top bearing	1

WATER DISTRIBUTION ASSEMBLY DRAWING 9000-P5

<u>WATER DISTRIBUTION SYSTEM</u>			
10W0-1	100113	Water Tube - 5/8" I.D.	As Req'd Per Foot
10W0-2	100114	Water Tube - 1/2" I.D.	As Req'd Per Foot
10W0-4	100111	Hose Clamp	28

<u>WATER TANK</u>			
10W0-5	100112	Pinch-type Hose Clamp	7
10W1-2	100115	Float Valve, 3/4"	1
10W1-3	100116	Brass Rod	1
10W1-4	100117	Plastic Float	1
10W1-5	100119	1/2" 90° Ell	1
40W2-0	100276	Water Tank SS M20/90	1
40W2-1	100277	Salt Feeder Tank SS M20/90	1
40W3-0		Overflow Standpipe Assembly	1
40W3-1	100278	1 1/4" PVC Street Ell	1
40W3-2	100284	Overflow Standpipe	1
40W4-0	101886	Water Line Support Bracket	1
90W5-0	100431	Flow Control Valve Assembly	1

North Star Dwg. No.	Part No.	Part Name	Quantity
10W6-0	101812	Water Pan Receiving Line Assy	1
40W7-1	100290	4" Drain Ell, PVC	1
40W7-2	100291	4" Nipple, threaded one end	1
60W8-0DS	102864	Water Ring Assembly (total 6 pieces)	1
60W8-0DS1	100394	A. Leading Section	1
60W8-0DS2-5	100395	B. Center Section	4
60W8-0DS6	100396	C. Trailing Section	1
60W12-0	100398	Water Ring Support Arms, Aluminum	1
<u>WATER PUMP ASSEMBLY</u>			
40W18-0	100305	Water Pump Complete Assembly	1
40W18-1	100308	- Motor	1
40W18-2	100311	- Base	1
40W18-4	100314	- Mtg Flange & Support Tube	1
40W18-5	100315	- Shaft Bushing	1
40W18-7	100316	- Motor Mounting Flange	1
40W18-8	102868	- Shaft Coupling & Mtg Kit	1
40W18-9	101894	- Impeller & Shaft	1
40W20-0	101884	Salt Feeder Device	1
<u>DRIP SHIELD</u>			
60W21-0	100406	Support Arms, Aluminum	1
40W21-3	100329	Spacers, UHMW	6
60W22-1	100410	A. Leading Section	1
60W22-2	100411	B. Center Section	1
60W22-3	100412	C. Trailing Section	1
60W23-0	102880	Spray Tube with Hose Splice	1
40W23-2	100186	Spray Tube Clip	6
90W24-0	100433	Vertical Ice Deflector Shield	1
90W24-1	102772	Vertical Spray Tube	1
90W24-2	100434	Vertical Spray Tube Clamp	5
10W25-0	100176	Plastic "Y" Connection	1
<u>REFRIGERATION PART ACCESSORIES</u>			
RF-1		Levelmaster Valve (complete) <i>(requires operating data to size)</i>	1
RF-2		Levelmaster Valve Heater Unit <i>(requires Watt and voltage)</i>	1
RF-3	100517	Relief Valve, Ammonia	1
RF-4	100518	Relief Valve, Freon	1
RF-5	101819	Pressure Gauge, Freon	1
RF-6	100521	Pressure Gauge, Ammonia	1
RF-9	100490	AFR3 Ammonia Flow Regulator	1
RF-12	104448	RFS, Ref. Float Switch - Low Level (LL)	1
DRAWINGS:			
AC-2	100573	Rotor Jacking Screw	
AC-5	100576	Rotor Nut Wrench	
AC-6	100577	Bearing Retainer Ring Wrench	
	102030	Service Manual	