Ranger Heating & Air Conditioning Products Inc. R-SKYPAK INSTALLATION CHECKLIST

Job Name:			Company Name:	
Date of Install:			Company Address:	
Job Address:				
Physical Inspecti	on		New Equipment (Furnace)
Is there shipping damage	Yes	No	Brand:	<u></u>
If Yes, Where?			Model:	
Will this effect operation:	Yes	No	Serial:	
Is unit level?	Yes	No	Date of Installation:	
=1			Type: Gas Elec	
Electrical			Evap Coil Orientation: Vert Horiz	
Measured incoming voltage			Duct Size:	
Furnace supply voltage			Motor CFM Setting:	
Measured control voltage			(Motor CFM Setting Cooling 400 CFM / ton)	
Both circuits grounded?	Yes	No	Air filter Size:	
Is there a disconnect switch	Yes	No	Air filter condition: New ☐ Good ☐	Replace □
Circuit breaker size in Amps				
Is br <mark>eake</mark> r correctly sized?	Yes	No	Before Leaving Job & Sign C	off
Are the wires sized correctly?	Yes	No	Warranty certificate filled out?	Yes No
Are necessary grommets secured and in p		No	Owners Manual to Customer?	Yes No
97			Customer informed of operation?	Yes No
Piping			Thermostat working correctly?	Yes No
Leak checks have been made?	Yes	No		3
Condensate tube routed correctly?	Yes	No		
P-Trap Installed?		No		
		Refri	geration	
Refrigerant Type:			A2L Refrigerant	Yes No
Filter Drier Installed	Yes	No	Has Evaporator Coil & Line Set	Yes No
Factory Charge			been evacuated?	163
Added or Subtracted Charge(oz)	+ or -		Evacuated to minimum 200	Yes No
Adjusted Total Charge (lbs / oz)			microns?	Yes No
Are Service Valves back seated?	Yes	No	Vacuum gauge leak test	Yes No
Leak checks have been made?	Yes	No	preformed?	Yes No
Super Heat .			Notes:	
Sub cool	00: 100	-		
necommended sub-coor or super ricut	9° to 12°			
Air entering outdoor temp F°Air		-		
entering indoor temp Discharge				
Line Temp F°			<u> </u>	
Vapor line temp F°		-	_	
Discharge line pressure PSIG		_		
Suction line pressure PSIG				
Technician / Installer Signature:				
, 5				
Customer Signature:				

PLEASE SUBMIT <u>COMPLETED</u> WITH WARRANTY DOCUMENTS WITHIN (7) BUSINESS DAYS AFTER INSTALLATION HAS BEEN COMPLETED TO STARTUP@RANGERHVAC.COM FAILURE TO DO SO COULD VOID WARRANTY PLEASE ENSURE R-SKYPAK INSTALLATION CHECKLIST HAS BEEN <u>COMPLETED</u> BEFORE WARRANTY & SUPPORT CAN PROCEEED.

Ranger Heating Air Conditioning Products Inc. START-UP PERFORMANCE CHECKLIST

JOB NAME:	COMPANY NAME:						
DATE:	COMPANY ADDRESS:						
JOB ADDRESS:	TECHNICIAN NAME:						
	TECH. CERTIFICATE #:						
UNIT MODEL :							
NAME PLATE VOLTAGE:	UNIT SERIAL:						
OUTDOOR AMBIENT AIR TEMP. AT START-UP	NAME PLATE AMPERAGE:						
ARRIVAL TIME: DEPARTURE TIME:	LENGTH OF RUN TIME OF UNIT						
ELECTRICAL	ELECTRIC HEAT						
SUPPLY VOLTAGE UNIT OFF: 1 & 2 1 & 3 2 & 3	# OF KW: STAGE #1KW #2KW						
ACTUAL CONTROL VOLTAGE:	#3KW #4KW						
DISCONNECT: YES NO SIZE:	ACTUAL VOLTAGE: L1 L2						
DISCONNECT FUSE SIZE: AMPS	ACTUAL AMPS: L1 L2						
CONNECTIONS CHECKED FOR TIGHTNESS:	TEMP RISE: °F RETURN AIR: °F SUPPLY AIR: °F						
CIRCUIT CHECKED FOR SHORTS & GROUND FAULT □	GAS HEAT						
Please Note: If Supply Voltage Is Less Then 208 Volts Or More Than 230 Volts Contact Your Supplier Immediately For Support As This May Cause Faults.	SAFETY CONTROLS CHECKED						
REFRIGERATION CIRCUIT	INDUCED DRAFT BLOWER FREE □						
CHARGING INFORMATION: IF REQUIRED AJUST CHARGE IN UNIT AS FOLLOWS	FUEL TYPE:						
9° - 12° SUPERHEAT (FOR PISTION SYSTEMS) OR 9° - 12° SUB COOLING (FOR TX-VALVE SYSTEMS)	GAS PIPE LENGTH: GAS PIPE SIZE:						
DISCHARGE PRESSURE: PSIG PSIG	LINE PRESSURE: IN WC						
	MANIFOLD PRESSURE: IN WC						
REFRIGERANT CHARGE OK: YES 🗆 🗅 ONSEE bel (if N ow)	TEMP. RISE: AIR ON: AIR OFF: TD:						
REF. CHARGE ADJUSTMENT: NO YES + /oz.	VENTING SIZE: VENTING LENGTH:						
HASTING	FURNACE MAKE:						
SUPERHEAT: #1: #2: (PISTON)	FURNACE MODEL						
SUBCOOLING: #1: #2: (TX VALVE)	RETURN AIR						
LEAK TEST: SYSTEM #1 ☐ SYSTEM #2 ☐	SIZE:						
AMPS: COMPRESSOR 1	EVAP/COND FAN						
REF. TYPE :2	COND. MOTOR SPEED: 1 2						
CONTROLS	COND. MOTOR AMPS: 1 2						
THERMOSTAT SETTING CHECKED: YES ☐ NO ☐	FILTERS IN PLACE: ☐ CORRECT FAN ROTATION: ☐						
THERMOSTAT WIRING CHECKED: YES ☐ NO ☐	EVAP. MOTOR SPEED: 1 2						
SWITCHES OPERATE SYSTEM: ☐ COOLING ☐ HEATING	EVAP. MOTOR AMPS: 1 2						
ANTICIPATOR SETTING: W1 □	BLOWER RPM: CFM: ESP: IN WC:						
TRAPPED CONDENSATE DRAIN ☐ SECURED ALL PANELS ☐	CHECKED VIBRATION ☐ CLEANED DEBRIS ☐						
BEFORE LEAVING JOB	SERVICE TECHNICIAN SIGNATURE:						
WARRANTY CERTIFICATE FILLED OUT & GIVEN TO OWNER?	YES □ NO □						
2. HAS SYSTEM BEEN AIR BALANCED?	YES □ NO □ EQUIPUIPMENT OWNER SIGNATURE:						
3. OPERATING & MAINTENANCE INSTRUCTIONS GIVEN TO OWNER?	YES NO						
4. OPERATOR INSTRUCTED ON SYSTEM OPERATION?	YES NO DATE:						
EQUIPMENT OWNER NAME:							

PLEASE SUBMIT <u>COMPLETED</u> WITH WARRANTY DOCUMENTS.

IN ORDER TO VAILATE THE WARRANTY THE START-UP PACKAGE MUST BE COMPLETED & SUBMITTED TO startup@rangerhvac.com WITHIN 30 DAYS OF INSTALLATION.

Failure to submit completed start-up package may result in a default to Rangers Standard warranty (1 Year Compressor 1 Year covered components).

LIMITED WARRANTY - R-SKYPAK

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, OBLIGATIONS OR LIABILITIES, EXPRESSED OR IMPLIED BY EMPLOYEES OR REPRESENTATIVES OF RANGER HEATING & AIR CONDITIONING PRODUCTS INC. ALL STATUTORY, EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY NEGATED AND EXCLUDED. ANY CLAIMS FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES, OR ANY OTHER DAMAGES OR EXPENSES BEYOND THE TERMS OF THIS LIMITED WARRANTY ARE HEREBY EXPRESSLY NEGATED AND EXCLUDED.

- 1. Ranger Heating and Air Conditioning Products Inc (Ranger) warrants to the original end user of this HVAC equipment (the "Equipment") for the periods described below that the Equipment will be free of manufacturing defects. If the Equipment fails to operate under normal use due to a manufacturing defect within a period of two (2) years after the date of original installation of the Equipment, or in the case of a manufacturing defect in the compressor, within a period of five (5) years after such date, Ranger will at its option replace the defective part or compressor or part thereof without charge for the replacement or refurbished component. This warranty does not cover any labor, nor shipping or handling costs incurred. Any replacement or refurbished Equipment, compressor or part will be warranted against manufacturing defects for the remainder of the original warranty period. Parts used in connection with normal maintenance and parts subject to normal wear and tear, such as filters and belts, are not covered by this warranty.
- 2. To obtain warranty service, you must notify your dealer or contractor of any manufacturing defect in the Equipment within the applicable warranty period. This warranty does not cover any labor, nor shipping or handling costs incurred. You may be responsible for shipping or handling costs incurred in delivering defective Equipment or components or parts thereof for service or replacement unless your dealer or contractor has agreed to bear such costs.
- 3. Ranger sells this Equipment only to distributors who resell the Equipment to dealers or contractors. The dealers and contractors have sole and exclusive responsibility for the selection, application, suitability and installation of the Equipment with respect to all end users and their particular requirements. Dealers and contractors may also sell or furnish other products and equipment not supplied by or on behalf of Ranger for use in conjunction with the Equipment. Accordingly, Ranger makes no warranty or condition whatsoever and assumes no liability or obligation whatsoever with respect to: (a) any representation, warranty, promise or statement made by any dealer or contractor with respect to any Equipment or part thereof or the use or application thereof; b) any acts or omissions of any dealer or contractor in selecting, recommending, installing, servicing, repairing, dismantling, moving or removing any Equipment or part thereof; or (c) any products, equipment, components, accessories or materials furnished or sold to you by a dealer or contractor other than the Equipment. Your dealer or contractor may provide a separate warranty for the products and services it supplies to you in addition to the Equipment and you are advised to confirm the terms and conditions of such warranty with your dealer or installer.
- 4. Any replaced Equipment, compressor or part will become the property of Ranger when exchanged for its replacement. Ranger reserves the right of inspection or refurbishing of its equipment at its discretion.
- 5. Proof of the original date of installation of the Equipment must be presented in order to establish the effective date of this warranty. Otherwise, the effective date will be deemed to be the date which is 30 days after the date of manufacture of the Equipment. The return of the Owner Registration Card is not a condition of the warranty. However, please complete, detach and return the Card so that we can contact you should any question arise which may affect your Equipment.
- 6. This warranty applies only: (a) while the Equipment remains at the site of original installation (except for Equipment designed for portable use); (b) to Equipment installed in Canada; and (c) if the Equipment is installed, maintained and operated in accordance with the manufacturer's written instructions accompanying the Equipment and in compliance with all applicable laws, regulations, codes and bylaws. This warranty does not cover damage caused by: (a) accident, abuse, negligence or misuse; (b) operation of the Equipment in a corrosive atmosphere containing chlorine, fluorine or any other damaging chemicals; (c) improper matching or combination of other products, equipment, parts accessories or components with the Equipment; (d) modification or alteration of the Equipment; (e) repair or service by unqualified or unauthorized persons; (f) failure to install or operate the Equipment or to provide proper maintenance or service according to the manufacturer's instructions; or (g) improper application or use of the Equipment; lightning, fluctuations in electrical power; or (f) Acts of God, acts of war both declared and undeclared, acts of terrorism or use of the equipment in any unlawful application.
- 7. THE FOREGOING CONSTITUTES YOUR SOLE AND EXCLUSIVE REMEDY AND THE SOLE AND EXCLUSIVE LIABILITY AND OBLIGATION OF RANGER IN CONNECTION WITH THE EQUIPMENT. THIS WARRANTY IS IN SUBSTITUTION FOR AND EXCLUDES ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR ANY INTENDED OR PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES WILL RANGER BE LIABLE TO THE PURCHASER OF THE EQUIPMENT OR ANY OTHER PERSON FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGE OR LOSS, WHETHER ARISING OUT OF BREACH OF CONTRACT, BREACH OF WARRANTY OR TORT, AND WHETHER OR NOT RANGER KNEW OR OUGHT TO HAVE KNOWN OF THE POSSIBILITY OF SUCH DAMAGE OR LOSS.
- 8. This warranty applies only to Equipment sold in Canada by RANGER and installed and used in Canada. This warranty is not transferable.
- 9. This warranty gives you specific legal rights, and you may have other rights which may vary from Province to Province. In the event that portions of this warranty may be struck down in your jurisdiction, this does not render the remaining portions of this warranty to be void.



R.G.A Claim number must be assigned by Ranger.

To activate a claim complete R.G.A. Warranty Request form and follow steps outlined below.

A copy of valid warranty claim documents **MUST** accompany warranty part/unit, if part/unit is returned to Ranger without proper documentation shipment will be refused.

The customer is responsible for all shipping expenses. Ranger will not accept any collect shipments.

PARTS WARRANTY PROCESS:

1)Ranger Heating & Air Conditioning Products Inc. is notified of warranty & completed RGA form is submitted.

Please Submit to:

- warranty@rangerhvac.com
- stephanie@rangerhavc.com
- 2)When completed RGA form is received an RGA number will be issued. A quote for warranty part(s) will be created and sent to you if required.
- 3)If required, parts must be paid for before the warranty process can proceed.
- 4)After parts are paid for, new parts are packed and prepared for shipping or pick up by the customer.

At this time all paperwork will be prepared for the warranty part to be received & tested. If we do not receive warranty parts within 30 days of issuing the RGA# warranty will be voided, unless an otherwise agreed to timeline is approved by Ranger.

A credit will be issued as per invoice to you if parts have been approved under warranty parameters. If part is not approved – the returned part will be available for pick up.

EQUIPMENT WARRANTY PROCESS:

1)Ranger Heating & Air Conditioning Products Inc. is notified of warranty & completed RGA form is submitted.

Please Submit to:

- warranty@rangerhvac.com
- > stephanie@rangerhavc.com
- 2)When the completed RGA form is received an RGA number will be issued. Ranger Heating & Air Conditioning Products Inc.
- (ryan@rangerhvac.com) is informed the so repair/ assessment can be scheduled.
- 3)When unit arrives at Ranger, assessment will be completed, all findings will be recorded and provided to you, included will be a Quote for any non-warranty parts/labour. Ranger will await instruction before proceeding with any repairs.
- 4)After repairs are completed (and Invoice has been paid) arrangements for P/U must be made ASAP & instructions are to be provided to Ranger.

Please Note: Ranger will only process warranty claims on Ranger products only. If your warranty is related to your furnace please contact the furnace manufacturer for warranty requests, unless you have installed a Dettson furnace in that case contact Ranger Heating & Air Conditioning Products Inc. for all warranty claims at stephanie@rangerhvac.com.



Warranty Policy

General Warranty

Dettson Industries Inc., subject to the limitations described in this Equipment Warranty Policy Certificate, warrants that each and every appliance product by Dettson Industries Inc. is, under normal operating conditions, free of defect in material and workmanship for a specific period of time from the date of original installation (as described in the "Summary of Warranty Programs" section below).

This warranty covers the appliance only and does not include labour costs, freight costs or other indirect expenses related to routine maintenance or the replacement of parts. If a part fails during the applicable warranty period, Dettson Industries Inc. will provide, at its sole discretion, a new or remanufactured part to replace the defective part at no charge. Alternatively, and at its sole discretion, Dettson Industries Inc. will allow a credit in the amount of the then factory price for a new equivalent part toward the retail purchase price of a new Dettson Industries Inc. product.

Summary of Warranty Programs

PRODUCT	PARTS (RESIDENTIAL/COMMER CIAL)	HEAT EXCHANGERS, TANKS AND COILS (RESIDENTIAL/COMMERCIAL)							
Oil fired furnaces *									
- AMP, AMT series - RHB, RLB series	5 years / 1 year	20 years / 10 years							
- AMP 3, AMT 3, AMT 4	1 year / 1 year	10 years / 5 years							
Electric boilers									
- HYDRA	5 years / 1 year	10 years / 5 years							
Electric furnaces / Air Handlers									
- SUP series (Modulating)	10 years / 1 year	N/A							
- SUP series (Advantage & Comfort) - Nortron series - AHB, AHF, AHV (Duotec)	5 years / 1 year	N/A							
Gas furnaces *									
- Series C15 to C120 (Chinook) -Chinook Compact CC15	10 years / 5 year	Limited Lifetime / 10 years warranty							
Oil water heater									
- CMO-32, CMO-50 series	5 years / 1 year	5 years / 1 year							
Alizé and Atmos Central Heat Pu	mp								
- COND-xx & MHD-xx	10 years / 1 year	N/A							
Hydronic Air handler									
- DCAH-36 & DCAH-55	5 years / 1 year	2 years / 1 year							
Venting systems									
- SMH, VTK, IFV series	1 year / 1 year	N/A							
Burners	5 years / 1 year	N/A							
Cooling Coil	5 years / 1 year	N/A							
Thermostats	5 years / 1 year	N/A							
Smart Duct System®	10 years / 1 year	N/A							
Zoning	5 years / 1 year	N/A							

* Limited Warranty on Heat Exchanger or Tank

Dettson Industries Inc. warrants heat exchangers against defects in materials or workmanship. Dettson Industries Inc. will grant a credit in the amount of the list price for the replacement of the heat exchanger based on the following table:

Years	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Limited lifetime	4000			000			000		7	w	60%		500		40%		30%		20%		10%				
warranty			100%				90%			80%		71	176	bl	J/h	,	UTh	¥	J7h	31	U%	20	U76	1	176
20 years warranty	10	0%	9	0%	8	0%	70	1%	60	% 50%		0%	40%		30	0% 20		0% 1		10%					
10 years warranty	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%															
5 years warranty	100%	80%	60%	40%	20%																				

Limitations

This warranty does not cover defects or damages on equipment without serial number or whose serial number has been erased or modified

- A) Consumable Items: This warranty does not apply to fan belts, filters, oil nozzles or other materials which must be replaced in the course of routine maintenance.
- B) Corrosive Atmosphere: The operation of a heat exchanger in the presence of corrosive elements such as acids, chlorine, fluorine or other damaging chemicals voids this warranty. The warranty will not be applicable for boilers if the heat exchanger is subject to corrosion produced by the presence of air or oxygen in water coming from new incoming water, inadequate design of the system or the use of plastic piping without oxygen barrier.
- C) External Factors: This warranty does not apply to damages to the product caused by misuse, failure to provide proper maintenance, accidents, Acts of God, improper fuel or inadequate electrical supply. All electrical appliances installed in regions where electrical distribution networks cause power surges, such as Atlantic Provinces, must be equipped with a power surge protector.
- D) Unauthorized Alteration: Unauthorized alteration or repair of the appliance affecting product reliability or performance voids this warranty.
- E) Installation by a qualified person: The product must be installed by a qualified fitter in accordance with Dettson Industries Inc.'s installation instructions, applicable local and national codes, the industry standards and those of professional organizations such as the Heating, Refrigeration and Air Conditioning Institute of Canada and the Air Conditioning Contractors of America, Failure to do so voids this warranty.
- F) Unauthorized Installation of Accessory Equipment: Dettson Industries Inc, authorizes the application of accessory equipment which will operate in conjunction with its products provided that the following conditions are met:
 i.) The function or performance of the Dettson Industries Inc. appliance is not altered.
 ii.) The accessory is installed in accordance with its manufacturer's installation instructions.
 iii.) The environment in which the appliance is supposed to operate is not modified.
 iv.) Furnaces cannot be installed with a one hundred per cent (100%) outdoors return air,
- G) Lost or Stolen Products: This warranty does not apply to products reported as lost or stolen
- H) Original Installation Site: This warranty does not apply to products no longer at the site of original installation.
- I) Improper Application: This warranty does not include damages caused by improper matching or misuse of the product or its components.
- J) Routine Maintenance: The warranty is valid only if the instructions specified in the Installation and Operating Instructions are strictly observed. Failure to do so may void any and all warranties, at Dettson Industries Inc.'s discretion.

Consequential Damages

Dettson Industries Inc. shall not be responsible for any consequential damages caused by any defect in the product.

Exclusive Warranty

The warranty provided by Dettson Industries Inc. is exclusive; all other representations, warranties or conditions, expressed, implied or statutory, required by law or otherwise, are bereity excluded.

Beginning of the Warranty Period

If the original sales invoice cannot be provided to establish the date of original installation, it is determined that the warranty comes into effect ninety (90) days after the product was shipped from the manufacturing plant.

Replacement Parts Warranties

All replacement parts obtained directly from Dettson Industries Inc. and used for routine maintenance of Dettson Industries Inc. products are warranted for a period of twelve (12) months from the date of repair. Dettson Industries Inc. reserves the right to require proof of repair before granting any credit. Replacement parts are shipped at the expense of the consumer. Should we request that the defective parts or components be shipped back for further investigation, a return authorization number will be issued and return freight arrangements will be specified by Dettson Industries Inc.

Warranty Execution

Dettson Industries Inc. shall not be liable for any default or delay in execution of this warranty caused by any contingency beyond our control, including wars, government restrictions or restraints, strikes, fires, floods or short or reduced supplies of raw material.

Version française au verso.

Dettson Industries Inc., 3400, Industrial Boul., Sherbrooke, (Quebec) J1L 1V8

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Date:	R.G.A Number:	Authorized By:					
R.G.	A. / WARRANTY	REQUEST					
stephanie@rangerhvac.com. War	d from Ranger Heating & Air Conditioning Products I ranty parts <u>must</u> be received by Ranger within <u>30 da</u> n will be voided. <i>Customer is to assume all in & out</i> l	ys from RGA# issue date, if "defective" part is not					
Customer:	Unit Mode	el#:					
Original P.O #:	Unit Serial #:						
Ranger Invoice Number:	Date of Fail	ure:					
Date Purchased:	Part Mode	el#:					
Date Installed:	Part Serial #:						
Site:	Site: Technicians Name:						
	REASON FOR RET						
Defective	Damaged	Other (Specify Below)					
	NATURE OF DEF	ECT					
Will Not Start	Overheats Leak	s Stays Open					
Starts & Stops		-Adjustable Stays Closed					
Will Not Pump	Blows Fuses Nois	Sy Burnout					
Provide Details of Defect:							
Technicians Comments:							
Claim Submitted By:	Phone Number:	Date:					

RANGER HEATING & AIR CONDITIONING PRODUCTS INC.
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