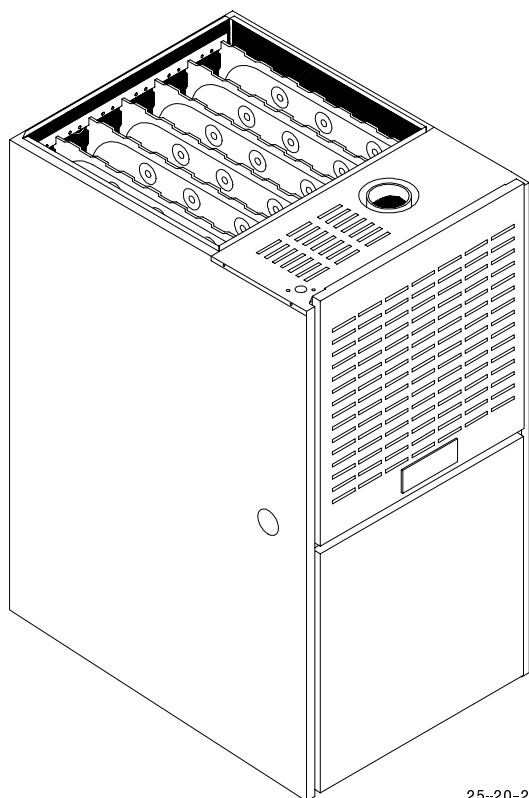


Technical Support Manual



25-20-24

Models

NTN5050BFC3
NTN5075BFC3
NTN5075BHC3
NTN5100BHC3
NTN5100BKC3
NTN5125BKC3

GNJ050M12C3
GNJ075M12C3
GNJ075M16C3
GNJ100M16C3
GNJ100M20C3
GNJ125M20C3

Manufactured by:

International Comfort Products Corporation (USA)
Lewisburg, TN USA 37091

FAN ASSISTED COMBUSTION GAS FURNACES



Save This Manual For Future Reference

Manufacturers Number (Mfr No –See Rating Plate) NTN5050BFC/GNJ050M12C																																																																																																							
Specifications				Circulation Air Blower Data																																																																																																			
GENERAL	Gas Type	Nat	LP	Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10–8 6.5/1050 PSC ¹ / ₃ 5/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x25x1 1.5 3																																																																																																
	Input (Btuh) Std/Alt. Output (Btuh) Std/Alt. Temp. Rise (°F)	50,000 40,000 35–65	50,000 40,000 35–65																																																																																																				
GAS & IGNITION	Electrical (Volts/Hz/FLA)	115/60/5.3	115/60/5.3	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP) <table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>675</td><td>859</td><td>--</td><td>1015</td><td>1394</td></tr><tr><td>.20</td><td>662</td><td>846</td><td>--</td><td>999</td><td>1342</td></tr><tr><td>.30</td><td>651</td><td>819</td><td>--</td><td>977</td><td>1289</td></tr><tr><td>.40</td><td>636</td><td>795</td><td>--</td><td>952</td><td>1227</td></tr><tr><td>.50</td><td>608</td><td>765</td><td>--</td><td>914</td><td>1163</td></tr><tr><td>.60</td><td>564</td><td>735</td><td>--</td><td>870</td><td>1086</td></tr><tr><td>.70</td><td>514</td><td>685</td><td>--</td><td>818</td><td>1002</td></tr></table> Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP) <table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>318</td><td>405</td><td>--</td><td>479</td><td>658</td></tr><tr><td>.20</td><td>312</td><td>399</td><td>--</td><td>472</td><td>633</td></tr><tr><td>.30</td><td>307</td><td>387</td><td>--</td><td>461</td><td>608</td></tr><tr><td>.40</td><td>300</td><td>375</td><td>--</td><td>449</td><td>579</td></tr><tr><td>.50</td><td>287</td><td>361</td><td>--</td><td>431</td><td>549</td></tr><tr><td>.60</td><td>266</td><td>347</td><td>--</td><td>411</td><td>513</td></tr><tr><td>.70</td><td>243</td><td>323</td><td>--</td><td>386</td><td>473</td></tr></table>				TAP	LOW	MED L	MED	MED H	HIGH	.10	675	859	--	1015	1394	.20	662	846	--	999	1342	.30	651	819	--	977	1289	.40	636	795	--	952	1227	.50	608	765	--	914	1163	.60	564	735	--	870	1086	.70	514	685	--	818	1002	TAP	LOW	MED L	MED	MED H	HIGH	.10	318	405	--	479	658	.20	312	399	--	472	633	.30	307	387	--	461	608	.40	300	375	--	449	579	.50	287	361	--	431	549	.60	266	347	--	411	513	.70	243	323	--	386	473
	TAP	LOW	MED L					MED	MED H	HIGH																																																																																													
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Transformer Size (VA)	40	40																																																																																																					
T'stat Heat Anticipator	.30	.30																																																																																																					
Gas Valve Regulation Type	HW SV9500 SNAP	HW SV9500 SNAP																																																																																																					
Manifold Press. (Inch's WC)	3.5	10.0																																																																																																					
Std. Main Orifices (No/Size)	2/#42	2/#54																																																																																																					
Pilot Orifice Size	.018	.011																																																																																																					
Ignition Type/Series	HW HSP	HW HSP																																																																																																					
Lock-Out Time																																																																																																							
COMBUSTION	Flue Outlet Size (Inches)	3	3																																																																																																				
	Std. Outlet Temp (°F)	<480	<480																																																																																																				
Comb. Blower (MFD/Volts)		---																																																																																																					
LIMITS & CONTROLS	Thermal Sensor (°F)	300	300																																																																																																				
	Limit Control Setting (°F)	270	270																																																																																																				
	Auxiliary Limit (°F)	130	130																																																																																																				
	Fan Control (Type)	HW ST9120	HW ST9120																																																																																																				
	Fan Control On (Timed–Secs) Off	30/60 60,100,140,180	30/60 60,100,140,180																																																																																																				
Std. Pressure Sw. (Part No)	1010897	1010897																																																																																																					
	Press Differential (Close)	–0.50	–0.50																																																																																																				
	Press Differential (Open)	–0.40	–0.40																																																																																																				
High Alt. Restrictor (Part No)																																																																																																							
NTC5/GNJ(N)	734020033	734020033																																																																																																					
NTN5/GNJ(M)	734020026	734020026																																																																																																					

Manufacturers Number (Mfr No –See Rating Plate) NTN5075BFC/GNJ075M12C										
Specifications				Circulation Air Blower Data						
GENERAL	Gas Type	Nat	LP	Type & Size	10–8	Filt Type	Washable			
	Input (Btuh) Std/Alt.	75,000	75,000					Motor Amps/RPM	6.5/1050	Filt Size (")
	Output (Btuh) Std/Alt.	59,000	59,000	Motor Type/ H.P.	PSC/1/3	Min. Cool	1.5			
	Temp. Rise (°F)	35–65	35–65	Cap. MFD/Volts	5/370	Cap. (Tons)				
	Electrical (Volts/Hz/FLA)	115/60/5.3	115/60/5.3			Max. Cool	3			
	Transformer Size (VA)	40	40			Cap. (Tons)				
	T'stat Heat Anticipator	.30	.30							
GAS & IGNITION	Gas Valve	HW SV9500	HW SV9500	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)						
	Regulation Type	SNAP	SNAP							
	Manifold Press. (Inch's WC)	3.5	10.0							
	Std. Main Orifices (No/Size)	2/#42	2/#54							
	Pilot Orifice Size	.018	.011							
	Ignition Type/Series	HW HSP	HW HSP							
	Lock-Out Time	---	---							
COMBUSTION	Flue Outlet Size (Inches)	3	3	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED	MED H	HIGH
	Std. Outlet Temp (°F)	<480	<480							
Comb. Blower (MFD/Volts)	---	---								
LIMITS & CONTROLS	Thermal Sensor (°F)	300	300							
	Limit Control Setting (°F)	300	300							
	Auxiliary Limit (°F)	130	130							
	Fan Control (Type)	HW ST9120	HW ST9120							
	Fan Control On	30/60	30/60							
	(Timed–Secs) Off	60,100,140,180	60,100,140,180							
	Std. Pressure Sw. (Part No)	1010897	1010897							
	Press Differential (Close)	–0.50	–0.50							
	Press Differential (Open)	–0.40	–0.40							
	High Alt. Restrictor (Part No)			External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED	MED H	HIGH
	NTC5/GNJ(N)	734020026	734020026							
	NTN5/GNJ(M)	734020027	734020027							

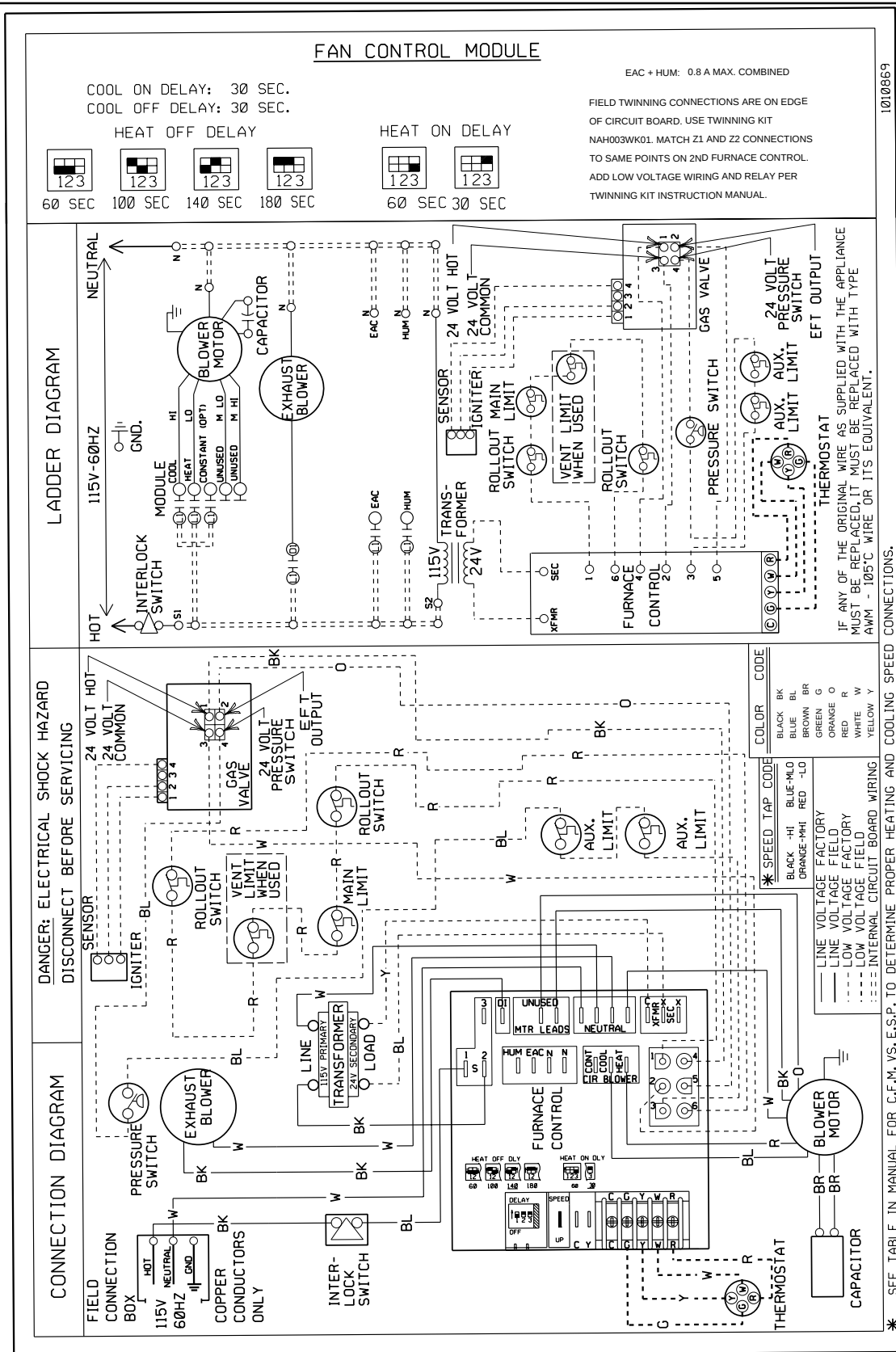
Manufacturers Number (Mfr No –See Rating Plate) NTN5075BHC/GNJ075M16C																																																																																																							
Specifications				Circulation Air Blower Data																																																																																																			
GENERAL	Gas Type	Nat	LP	Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10–10 10.3/1100 PSC/1½ 5/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x25x1 1.5 4																																																																																																
	Input (Btuh) Std/Alt. Output (Btuh) Std/Alt. Temp. Rise (°F)	75,000 59,000 25–55	75,000 59,000 25–55																																																																																																				
GAS & IGNITION	Electrical (Volts/Hz/FLA)	115/60/12.0	115/60/12.0	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP) <table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>1503</td><td>1722</td><td>---</td><td>---</td><td>1887</td></tr><tr><td>.20</td><td>1460</td><td>1660</td><td>---</td><td>---</td><td>1810</td></tr><tr><td>.30</td><td>1420</td><td>1608</td><td>---</td><td>---</td><td>1752</td></tr><tr><td>.40</td><td>1370</td><td>1540</td><td>---</td><td>---</td><td>1670</td></tr><tr><td>.50</td><td>1318</td><td>1484</td><td>---</td><td>---</td><td>1599</td></tr><tr><td>.60</td><td>1250</td><td>1400</td><td>---</td><td>---</td><td>1520</td></tr><tr><td>.70</td><td>1182</td><td>1322</td><td>---</td><td>---</td><td>1425</td></tr></table> Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP) <table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>709</td><td>812</td><td>---</td><td>---</td><td>891</td></tr><tr><td>.20</td><td>689</td><td>784</td><td>---</td><td>---</td><td>854</td></tr><tr><td>.30</td><td>670</td><td>759</td><td>---</td><td>---</td><td>827</td></tr><tr><td>.40</td><td>647</td><td>727</td><td>---</td><td>---</td><td>788</td></tr><tr><td>.50</td><td>622</td><td>700</td><td>---</td><td>---</td><td>755</td></tr><tr><td>.60</td><td>590</td><td>661</td><td>---</td><td>---</td><td>717</td></tr><tr><td>.70</td><td>558</td><td>624</td><td>---</td><td>---</td><td>673</td></tr></table>				TAP	LOW	MED L	MED	MED H	HIGH	.10	1503	1722	---	---	1887	.20	1460	1660	---	---	1810	.30	1420	1608	---	---	1752	.40	1370	1540	---	---	1670	.50	1318	1484	---	---	1599	.60	1250	1400	---	---	1520	.70	1182	1322	---	---	1425	TAP	LOW	MED L	MED	MED H	HIGH	.10	709	812	---	---	891	.20	689	784	---	---	854	.30	670	759	---	---	827	.40	647	727	---	---	788	.50	622	700	---	---	755	.60	590	661	---	---	717	.70	558	624	---	---	673
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Lock-Out Time	---	---																																																																																																					
COMBUSTION	Flue Outlet Size (Inches)	3	3																																																																																																				
	Std. Outlet Temp (°F)	<480	<480																																																																																																				
Comb. Blower (MFD/Volts)	---	---																																																																																																					
LIMITS & CONTROLS	Thermal Sensor (°F)	300	300																																																																																																				
	Limit Control Setting (°F)	300	300																																																																																																				
	Auxiliary Limit (°F)	130	130																																																																																																				
	Fan Control (Type)	HW ST9120	HW ST9120																																																																																																				
	Fan Control On	30/60	30/60																																																																																																				
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Std. Pressure Sw. (Part No)	1010897	1010897																																																																																																					
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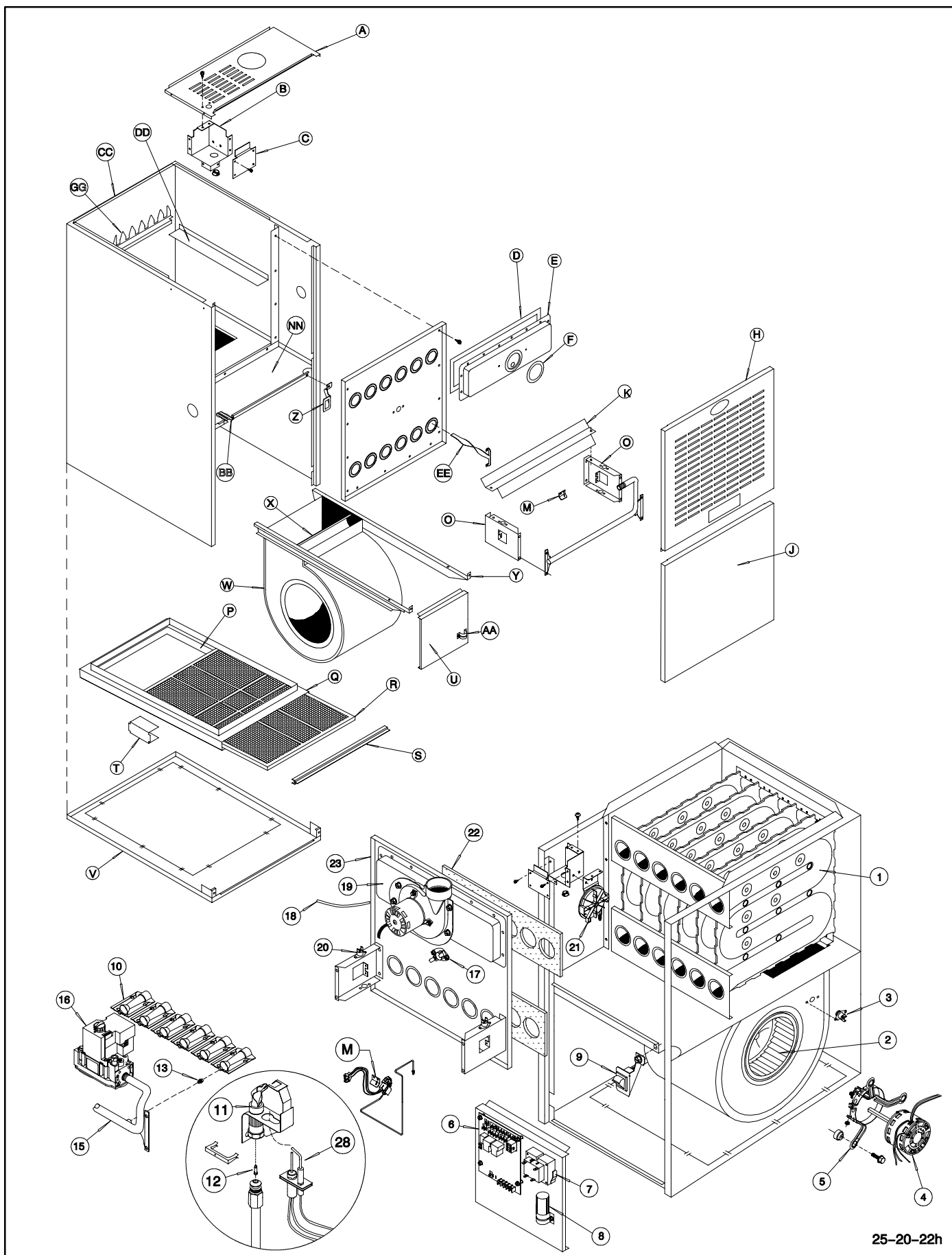
Manufacturers Number (Mfr No –See Rating Plate) NTN5100BHC/GNJ100M16C																																																					
Specifications				Circulation Air Blower Data																																																	
GENERAL	Gas Type Input (Btuh) Std/Alt. Output (Btuh) Std/Alt. Temp. Rise (°F)	Nat 100,000 79,000 35–65	LP 100,000 79,000 35–65	Type & Size Motor Amps/RPM Motor Type/ H.P. Cap. MFD/Volts	10–10 10.3/1100 PSC/1/2 5/370	Filt Type Filt Size (") Min. Cool Cap. (Tons) Max. Cool Cap. (Tons)	Washable 16x25x1 1.5 4																																														
	Electrical (Volts/Hz/FLA) Transformer Size (VA) T'stat Heat Anticipator	115/60/12.0 40 .30	115/60/12.0 40 .30																																																		
GAS & IGNITION	Gas Valve Regulation Type Manifold Press. (Inch's WC)	HW SV9500 SNAP 3.5	HW SV9500 SNAP 10.0	External Static Pressure Inches of W.C.	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)																																																
	Std. Main Orifices (No/Size) Pilot Orifice Size	4/#42 .018	4/#54 .011		<table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>1063</td><td>1215</td><td>--</td><td>1412</td><td>1779</td></tr><tr><td>.20</td><td>1038</td><td>1184</td><td>--</td><td>1386</td><td>1733</td></tr><tr><td>.30</td><td>1003</td><td>1156</td><td>--</td><td>1343</td><td>1667</td></tr><tr><td>.40</td><td>960</td><td>1117</td><td>--</td><td>1308</td><td>1624</td></tr><tr><td>.50</td><td>913</td><td>1089</td><td>--</td><td>1250</td><td>1564</td></tr><tr><td>.60</td><td>856</td><td>1036</td><td>--</td><td>1201</td><td>1495</td></tr><tr><td>.70</td><td>797</td><td>960</td><td>--</td><td>1145</td><td>1429</td></tr></table>	TAP	LOW	MED L	MED	MED H	HIGH	.10	1063	1215	--	1412	1779	.20	1038	1184	--	1386	1733	.30	1003	1156	--	1343	1667	.40	960	1117	--	1308	1624	.50	913	1089	--	1250	1564	.60	856	1036	--	1201	1495	.70	797	960	--	1145	1429
	TAP	LOW	MED L		MED	MED H	HIGH																																														
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.60	856	1036	--		1201	1495																																															
.70	797	960	--		1145	1429																																															
Ignition Type/Series Lock-Out Time	HW HSP ---	HW HSP ---																																																			
COMBUSTION	Flue Outlet Size (Inches) Std. Outlet Temp (°F) Comb. Blower (MFD/Volts)	3 <480 ---	3 <480 ---	External Static Pressure Inches of W.C.	Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)																																																
	Thermal Sensor (°F) Limit Control Setting (°F) Auxiliary Limit (°F)	300 195 130	300 195 130		<table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>502</td><td>573</td><td>--</td><td>666</td><td>840</td></tr><tr><td>.20</td><td>747</td><td>559</td><td>--</td><td>654</td><td>818</td></tr><tr><td>.30</td><td>473</td><td>546</td><td>--</td><td>634</td><td>787</td></tr><tr><td>.40</td><td>453</td><td>527</td><td>--</td><td>617</td><td>767</td></tr><tr><td>.50</td><td>431</td><td>514</td><td>--</td><td>590</td><td>738</td></tr><tr><td>.60</td><td>404</td><td>489</td><td>--</td><td>567</td><td>706</td></tr><tr><td>.70</td><td>376</td><td>453</td><td>--</td><td>540</td><td>674</td></tr></table>	TAP	LOW	MED L	MED	MED H	HIGH	.10	502	573	--	666	840	.20	747	559	--	654	818	.30	473	546	--	634	787	.40	453	527	--	617	767	.50	431	514	--	590	738	.60	404	489	--	567	706	.70	376	453	--	540	674
TAP	LOW	MED L	MED		MED H	HIGH																																															
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LIMITS & CONTROLS	Fan Control (Type) Fan Control On Fan Control Off (Timed-Secs)	HW ST9120 30/60 60,100,140,180	HW ST9120 30/60 60,100,140,180	External Static Pressure Inches of W.C.																																																	
	Std. Pressure Sw. (Part No) Press Differential (Close) Press Differential (Open)	1010896 -0.60 -0.50	1010896 -0.60 -0.50																																																		
	High Alt. Restrictor (Part No)	734020028	734020028																																																		

Manufacturers Number (Mfr No –See Rating Plate) NTN5100BKE/GNJ100M20C																
Specifications				Circulation Air Blower Data												
GENERAL	Gas Type	Nat	LP	Type & Size	11–10	Filt Type	Washable									
	Input (Btuh) Std/Alt.	100,000	100,000					Motor Amps/RPM	11.9/900	Filt Size (")	16x25x1					
	Output (Btuh) Std/Alt.	79,000	79,000	Motor Type/ H.P.	PSC ³ / ₄	Min. Cool										
	Temp. Rise (°F)	35–65	35–65	Cap. MFD/Volts	5/370	Cap. (Tons)	1.5									
	Electrical (Volts/Hz/FLA)	115/60/12.0	115/60/12.0			Max. Cool										
	Transformer Size (VA)	40	40			Cap. (Tons)	5									
	T'stat Heat Anticipator	.30	.30													
GAS & IGNITION	Gas Valve	HW SV9500	HW SV9500	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)												
	Regulation Type	SNAP	SNAP													
	Manifold Press. (Inch's WC)	3.5	10.0													
	Std. Main Orifices (No/Size)	4/#42	4/#54													
	Pilot Orifice Size	.018	.011													
	Ignition Type/Series	HW HSP	HW HSP													
	Lock-Out Time	---	---													
COMBUSTION	Flue Outlet Size (Inches)	3	3	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED	MED H	HIGH						
	Std. Outlet Temp (°F)	<480	<480													
Comb. Blower (MFD/Volts)	---	---														
LIMITS & CONTROLS	Thermal Sensor (°F)	300	300								.10	1210	1441	--	1773	2104
	Limit Control Setting (°F)	130	130								.20	1201	1430	--	1740	2078
	Auxiliary Limit (°F)	130	130								.30	1197	1453	--	1740	2061
	Fan Control (Type)	HW ST9120	HW ST9120								.40	1191	1441	--	1718	2020
	Fan Control On	30/60	30/60								.50	1167	1425	--	1707	2005
	(Timed–Secs) Off	60,100,140,180	60,100,140,180	.60	1160	1390	--	1676	1953							
	Std. Pressure Sw. (Part No)	1010896	1010896	.70	1130	1365	--	1654	1917							
	Press Differential (Close)	–0.60	–0.60													
	Press Differential (Open)	–0.50	–0.50													
	High Alt. Restrictor (Part No)			External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED	MED H	HIGH						
	NTC5/GNJ(N)										.10	571	680	--	837	993
	NTN5/GNJ(M)										.20	567	675	--	821	981

Manufacturers Number (Mfr No –See Rating Plate) NTN5125BKC/GNJ125M20C										
Specifications				Circulation Air Blower Data						
GENERAL	Gas Type	Nat	LP	Type & Size	11–10	Filt Type	Washable			
	Input (Btuh) Std/Alt.	125,000	125,000					Motor Amps/RPM	11.9/900	Filt Size (")
	Output (Btuh) Std/Alt.	99,000	99,000	Motor Type/ H.P.	PSC ³ / ₄	Min. Cool				
	Temp. Rise (°F)	40–70	40–70	Cap. MFD/Volts	5/370	Cap. (Tons)	1.5			
	Electrical (Volts/Hz/FLA)	115/60/12.0	115/60/12.0			Max. Cool				
	Transformer Size (VA)	40	40			Cap. (Tons)	5			
	T'stat Heat Anticipator	.30	.30							
GAS & IGNITION	Gas Valve	HW SV9500	HW SV9500	Air Delivery in Cubic Feet per Minute (C.F.M.) (Furnace Rated @0.5" WC ESP)						
	Regulation Type	SNAP	SNAP							
	Manifold Press. (Inch's WC)	3.5	10.0							
	Std. Main Orifices (No/Size)	5/#42	5/#54	External Static Pressure Inches of W.C.	TAP	LOW	MED L	MED	MED H	HIGH
	Pilot Orifice Size	.018	.011		.10	1264	1520	--	1841	2161
	Ignition Type/Series	HW HSP	HW HSP		.20	1251	1506	--	1803	2132
	Lock-Out Time	---	---		.30	1249	1486	--	1772	2079
COMBUSTION	Flue Outlet Size (Inches)	3	3		.40	1219	1456	--	1736	2042
	Std. Outlet Temp (°F)	<480	<480		.50	1168	1427	--	1702	1991
	Comb. Blower (MFD/Volts)	---	---	.60	1178	1415	--	1672	1914	
				.70	1143	1358	--	1614	1838	
LIMITS & CONTROLS	Thermal Sensor (°F)	300	300	Air Delivery in Liters Per Second (L/S) (Furnace Rated @0.5" WC ESP)						
	Limit Control Setting (°F)	150	150							
	Auxiliary Limit (°F)	130	130	TAP	LOW	MED L	MED	MED H	HIGH	
	Fan Control (Type)	HW ST9120	HW ST9120	.10	597	717	--	869	1020	
	Fan Control On	30/60	30/60	.20	590	711	--	851	1006	
	(Timed-Secs) Off	60,100,140,180	60,100,140,180	.30	590	701	--	836	981	
	Std. Pressure Sw. (Part No)	1010896	1010898	.40	575	687	--	819	964	
Press Differential (Close)	–0.75	–0.75	.50	551	674	--	803	940		
Press Differential (Open)	–0.65	–0.65	.60	556	668	--	789	903		
High Alt. Restrictor (Part No)				.70	540	641	--	762	868	
NTC5/GNJ(N)	734020035	734020035								
NTN5/GNJ(M)	734020028	734020028								

1. Wiring Diagram





25-20-22h

Replacement Parts – NTN5/GNJ“M” (Natural Gas)

Models –NTN5050BFC3, NTN5075BFC3, NTN5075BHC3, NTN5100BHC3, NTN5100BKC3, NTN5125BKC3: GNJ050M12C3, GNJ075M12C3, GNJ075M16C3, GNJ100M16C3, GNJ100M20C3, GNJ125M20C3

Replacement part supplied will be current active part. For parts not listed, consult place of purchase.

Key No.	Description	Part Number	NTN5/GNJ					
			050BF/ 050M12	075BF/ 075M12	075BH/ 075M16	100BH/ 100M16	100BK/ 100M20	125BK/ 125M20
1	Heat Exchanger	1008876	1	–	–	–	–	–
		1008877	–	1	1	–	–	–
		1008878	–	–	–	1	1	–
		1008879	–	–	–	–	–	1
2	Blower Wheel	601210	–	–	1	1	–	–
		600587	1	1	–	–	–	–
		1011420	–	–	–	–	1	1
		1000735	2	2	2	2	2	2
4	Blower Motor	1009054	1	1	–	–	–	–
		1008414	–	–	1	1	–	–
		1009053	–	–	–	–	–	–
		1011404	–	–	–	–	1	1
5	Motor Mount Kit	609227	1	1	1	1	–	–
		522020024	–	–	–	–	1	1
6	Control, Fan Timer	1009838	1	1	1	1	1	1
7	Transformer, 40VA	1011103	1	1	1	1	1	1
8	Capacitor 10mf 370V 5mf 370V	1094956	–	–	1	1	1	1
		1094954	1	1	–	–	–	–
9	Switch Door	1010886	1	1	1	1	1	1
10	Burner Assembly	1009178	1	–	–	–	–	–
		1008724	–	1	1	–	–	–
		1008725	–	–	–	1	1	–
		1008726	–	–	–	–	–	1
11	Pilot, Natural & LP	1149856	1	1	1	1	1	1
12	Pilot Orifice, NAT (.020) Pilot Orifice, LP (.011)	1160403	1	1	1	1	1	1
		1009136	1	1	1	1	1	1
13	Orifice, #42 NAT Orifice, #54 LP	1004143	2	3	3	4	4	5
		1004142	2	3	3	4	4	5
14	Tube, Pilot	64930	1	1	1	1	1	1
15	Manifold	1010919	1	–	–	–	–	–
		1010920	–	1	1	–	–	–
		1010921	–	–	–	1	1	–
		1010922	–	–	–	–	–	1
		1010923	–	–	–	–	–	–
		1011024	1	1	1	1	1	1
17	Switch, Limit	1320365	1	–	–	–	–	–
		34333002	–	1	–	–	–	–
		1320363	–	–	–	1	–	–
		1320364	–	–	–	–	1	–
		1320362	–	–	–	–	–	1
		1008418	–	–	1	–	–	–
18	Tubing, Silicone 24"	1149483	1	1	1	1	1	1
19	Combustion Blower Assembly	1010975	1	1	1	1	1	1
20	Rollout Switch, Limit	1094863	2	2	–	2	2	2
		1005549	–	–	2	–	–	–
21	Switch, Pressure	1010897	1	1	1	–	–	–
		1010898	–	–	–	1	1	1
22	Heat Exchanger Gaskets	2480904	2	–	–	–	–	–
		2480905	–	2	2	–	–	–
		2480906	–	–	–	2	2	–
		2480907	–	–	–	–	–	2
23	Heat Exchanger Front Partition	1008068	1	–	–	–	–	–
		1008069	–	1	–	–	–	–
		1008070	–	–	1	–	–	–
		1008072	–	–	–	1	–	–
		1008071	–	–	–	–	1	–
		1008073	–	–	–	–	–	1
		1008074	–	–	–	–	–	–
28	Ignitor/Sensor with clip	1009524	1	1	1	1	1	1
()	PART NOT ILLUSTRATED							
()	Wire Harness Asy. Low Volt	1011418	1	1	1	1	1	1

Replacement Parts – NTN5/GNJ“M” (Natural Gas)

Models – NTN5050BFC3, NTN5075BFC3, NTN5075BHC3, NTN5100BHC3, NTN5100BKC3, NTN5125BKC3: GNJ050M12C3, GNJ075M12C3, GNJ075M16C3, GNJ100M16C3, GNJ100M20C3, GNJ125M20C3

Replacement part supplied will be current active part. For parts not listed, consult place of purchase.

Key No.	Description	Part Number	NTN5/GNJ					
			050BF/ 050M12	075BF/ 075M12	075BH/ 075M16	100BH/ 100M16	100BK/ 100M20	125BK/ 125M20
A	Top	1011534	1	1	–	–	–	–
		1011535	–	–	1	–	–	–
		1011536	–	–	–	1	–	–
		1011537	–	–	–	–	1	1
B	Field Connect Box	1010359	1	1	1	1	1	1
C	Cover, Field Connect	1010360	1	1	1	1	1	1
D	Gasket, Collector	1093661	1	1	1	–	–	–
		1093662	–	–	–	1	1	–
		1093663	–	–	–	–	–	1
E	Collector	1011047	1	–	–	–	–	–
		1011050	–	1	1	–	–	–
		1011053	–	–	–	1	1	–
		1011056	–	–	–	–	–	1
F	Gasket, Combustion Blower	1011379	1	1	1	1	1	1
H	Door, Louvered	1010178	1	1	–	–	–	–
		1010179	–	–	1	1	–	–
		1010180	–	–	–	–	1	1
J	Door, Blower	1010191	1	1	–	–	–	–
		1010190	–	–	1	1	–	–
		1010192	–	–	–	–	1	1
K	Shield, Burner	1011334	1	–	–	–	–	–
		1011335	–	1	1	–	–	–
		1011336	–	–	–	1	1	–
		1011337	–	–	–	–	–	1
M	Bracket, Pilot	1010901	1	1	1	1	1	1
O	Manifold Support Bracket	1011417	2	2	2	2	2	2
P	Filter Rack Wrapper	741010042	1	1	–	–	–	–
		741010039	–	–	1	1	–	–
		741010040	–	–	–	–	1	1
Q	Filter Rack Front	741020004	1	1	–	–	–	–
		741020001	–	–	1	1	–	–
		741020002	–	–	–	–	1	1
R	Filter 14" x 25" x 1/2"	1010364	1	1	–	–	–	–
		1010365	–	–	1	1	–	–
		1009748	–	–	–	–	2	2
S	Filter Cover Plastic	2791042	1	1	–	–	–	–
		2791043	–	–	1	1	–	–
		2791044	–	–	–	–	1	1
T	Clip, Filter	1008482	3	3	3	3	3	3
U	Fan Timer Bracket	1011178	1	1	1	1	1	1
V	Base	1010112	1	1	–	–	–	–
		1010113	–	–	1	1	–	–
		1010114	–	–	–	–	1	1
W	Blower Housing	1010475	1	1	–	–	–	–
		1010479	–	–	1	1	–	–
		1010322	–	–	–	–	1	1
		1009898	–	–	–	–	–	–
X	Blower Cutoff	721020008	–	–	1	1	1	1
		721020013	1	1	–	–	–	–
Y	Blower Hanger	1010690	2	2	2	2	2	2
AA	Strap Capacitor	1095020	1	1	1	1	1	1
BB	Rail, Blower Slide	57059	2	2	2	2	2	2
CC	Casing, Wrapper	1010610	1	1	–	–	–	–
		1010611	–	–	1	1	–	–
		1010612	–	–	–	–	1	1
DD	Baffle, Circulating Air	707010031	2	2	–	2	2	2
		1009880	–	–	2	–	–	–
EE	NOx Baffle	1009876	2	3	3	4	4	5
GG	Heat Exchanger Support	1011026	1	–	–	–	–	–
		750010045	–	1	–	–	–	–
		750010046	–	–	1	–	–	1
		1010353	–	–	–	1	1	–
NN	Partition, Blower	1010810	1	1	–	–	–	–
		1010811	–	–	1	1	–	–
		1011075	–	–	–	–	1	1
		1010812	–	–	–	–	–	–

Replacement Parts – NTN5/GNJ“M” (Natural Gas)

Models – NTN5050BFC3, NTN5075BFC3, NTN5075BHC3, NTN5100BHC3, NTN5100BKC3, NTN5125BKC3: GNJ050M12C3, GNJ075M12C3, GNJ075M16C3, GNJ100M16C3, GNJ100M20C3, GNJ125M20C3

Replacement part supplied will be current active part. For parts not listed, consult place of purchase.

Key No.	Description Non-Functional	Part Number	NTN5/GNJ					
			050BF/ 050M12	075BF/ 075M12	075BH/ 075M16	100BH/ 100M16	100BK/ 100M20	125BK/ 125M20
)	PART NOT ILLUSTRATED							
)	Manual, Homeowners	441 02 2001 00	1	1	1	1	1	1
)	Manual, Installation	441 01 2304 00	1	1	1	1	1	1
)	Manual, Tech Support	441 03 2307 00	1	1	1	1	1	1

Gas Conversion Kits – All models

Nat to LP NAHF002LP *1009509 or NAHL002LP *1160991
 LP to Nat *1009510
 LP High Altitude *1160992
 Nat High Altitude *1160993

*Must be ordered from Service Parts