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	Date: 8 JULY 2022	Authorization #: ECN1158186
Title: Evaporator coil replacement procedure using P/N 81-04186-20	Supersedes: Nil Page: 1 of 3	

**Description:**

This procedure is for evaporator coil replacement using part number 81-04186-20

**Package Content:**

Item	Service Kit P/N	74-66674-00	Quantity
1	Evaporator Coil (Service)	81-04186-20	1
2	Label	62-66156-00	1
99	Service Instruction	98-66038-00	1

**Installation Procedure:**

**WARNING: Before proceeding with installation, set ON/OFF switch and circuit breaker to OFF position. Disconnect power plug if any. Follow the regional lock out tag out procedure for electrical system.**

**A) Unit preparation**

1. Pump unit down.


**B) Evaporator coil replacement**

2. With power OFF and power plug removed, remove the screws securing the panel covering the evaporator section (upper panel).
3. Disconnect the defrost heater wiring.
4. Remove the mounting hardware from the coil.
5. Unsolder the two coil connections, one at the distributor and the other at the coil header.
6. Disconnect the defrost temperature sensor from the coil.
7. Remove middle coil support.
8. After evaporator coil is removed from unit, remove defrost heaters.
9. Install replacement coil assembly by reversing above steps. Use Sil-Phos braze rod (5% Silver, 6% Phosphorus).

**C) Charging the unit**

10. Perform leak check and evacuate unit.
11. If coil is being installed into one of the listed units in Fig 2, paste the corresponding label as shown in Fig 1. Charge refrigerant as per the revised value.
12. If either unit model number or PID is **not** listed in Fig 2, use the charge on the serial number name plate on the units and discard the label provided with the kit.

Used On: Athena PL, TL & PLE	Prepared By: Frankie Chui	Approved By: Loh Xe Pin	Date: 8 July 2022
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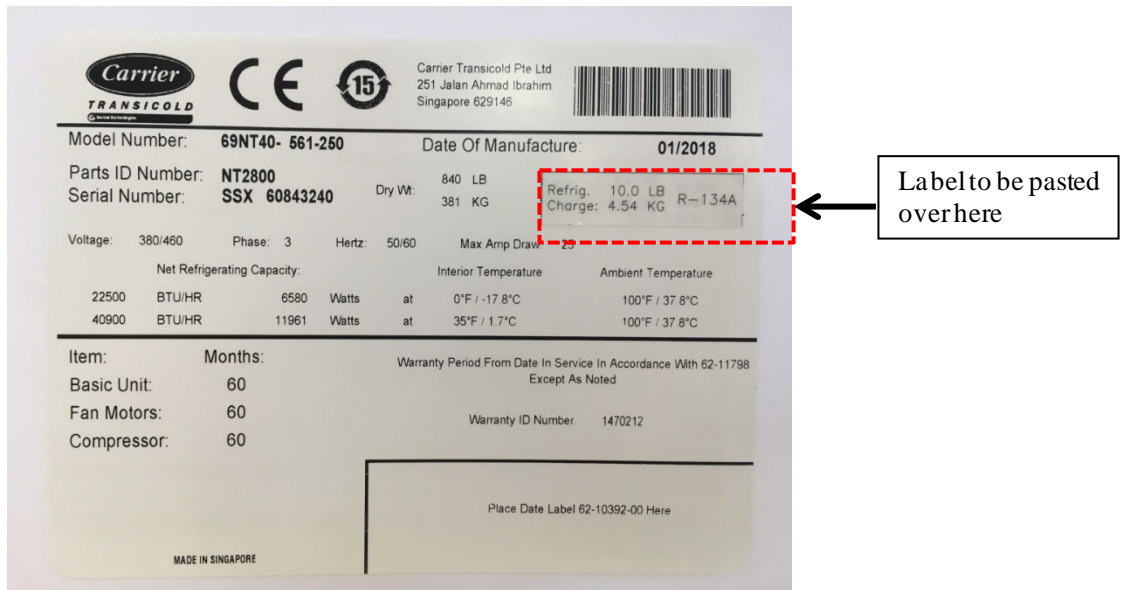



Fig 1: Paste label over unit nameplate such that only the refrigerant charging value on the nameplate is covered.

Model Number – (on nameplate)	PID – (on nameplate)	Water Cooled Condenser	Refrigerant Charge (LB)
69NT40-561-250 to 299	NT2700 to NT2799	No	Refrig 10.6 LB R134A Charge 4.81 KG
		Yes	Refrig 11.3 LB R134A Charge 5.12 KG
	NT2800 to NT2999	No	Refrig 10.0 LB R134A Charge 4.54 KG
		Yes	Refrig 10.7 LB R134A Charge 4.85 KG

Fig 2: List of revised refrigerant charge amount as stated on label

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SYM	REVISION RECORD	DATE	BY	ENGR	NPCA NO.
A	INITIAL RELEASE	13 DEC 2017	TIMOTHY FU	LXP	69A0149P17
B	UPDATED FIG. 1	27 FEB 2018	TIMOTHY FU	LXP	69A0036P18
C	UPDATED FIG.2	8 JULY 2022	FC	LXP	ECN1158186

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