INSTRUCTIONS

Carrier
A United Technologies Company

99TA516075F (for RCD use only)

Instruction Sheet Number: **99TA516075F**

Description: INTERNAL OIL FILTER REPLACEMENT

Author: Tom Pietrowicz

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Part Number: 06NA660028

⚠ WARNING

HAZARDS: ELECTRIC SHOCK / PRESSURE / EXPLOSION

REFRIGERANT AND OIL UNDER PRESSURE

- **Bodily injury may result from explosion and/or fire if power is supplied to compressor with terminal box cover removed or unsecured. Terminal pins may blow-out causing injuries, death or fire.**
- **Do not touch terminals, or wiring at terminals, or remove terminal cover or any part of compressor until power is disconnected and pressure is relieved. See safety instructions A, B, and C.**

ELECTRIC SHOCK

- **Bodily injury or death may result from electrocution if terminal cover is removed while power is supplied to compressor.**
- **Do not supply power to compressor unless terminal cover is secured in place and all service valves are open.**

Safety Instructions:

Service or maintenance must be performed only by trained certified technicians and according to service instructions.

A. Follow recognized safety practices and wear protective goggles.
B. Disconnect and lockout all electrical power. Electrical measurements during operation must be taken outside of the compressor terminal box.

NOTE: Valves may be sealing off refrigerant from the rest of the system. Do not open isolation valves while servicing the compressor.

Package contents:

item	part no.	qty.	description
1	8TB0320	1	Filter
2	8TB0847	1	o-ring
3	99TA516075F	1	Instruction Sheet

Internal Oil Filter replacement for Compressors Manufactured with serial numbers before 5098JXXXXX.

Safety Risk to Personnel or Property:

1. Bodily injuries, including death, and/or property damage can occur during the removal or installation of the internal oil filter if the oil filter replacement procedure is improperly performed. An improperly removed or installed oil filter can cause the check valve to become loose or expelled. The loose or

expelled check valve may then lead to a loss of refrigerant or oil charge. This may result in injury or death to the service technician as a result of being struck by the expelled part, or as a result of an explosion or fire occurring by ignition of escaping refrigerant/oil mixture.

Replacing the internal oil filter:

1. Close the external oil service valve at the compressor and drain the oil using the bleed port. If the oil pressure does not bleed off using this method it will be necessary to isolate the compressor from the circuit and reclaim all the refrigerant in the compressor. Using a ¾-in. allen wrench, remove the internal filter access plug.(see Fig. 1) Remove the old filter. The oil filters are to be removed using only a pulling motion; the oil filter is never to be turned in a counter-clockwise rotation. If twisting is necessary to remove the filter, it must be done in the clockwise direction. If leakage is detected around the check valve, the check valve body/filter mount must be re-torqued to 50-70 ft-lb (68-95 N-m). A 1-1/8: eight-point deep socket is necessary to torque this check valve body/filter mount. This is available in tool kit 06NA660015 from RCD. Lightly oil O-ring in the filter and install with filter open end first into the housing. Replace access plug o-ring (See Fig. 2) reinstall and re-torque to 150 ft-lb (203 N-m). Follow procedure for opening angle valve and purging lines. Check for leaks and repair if necessary. Refer to the unit installation and startup procedures for restarting the system.



Figure 1

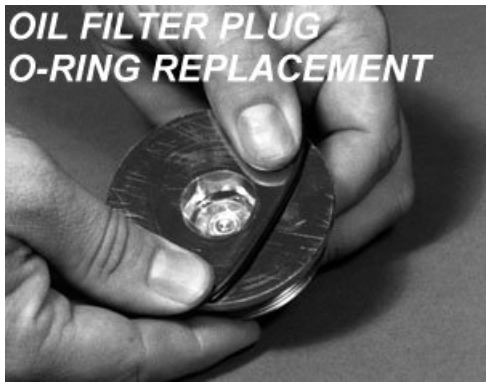


Figure 2

<u>Internal Oil Filter replacement for Compressors Manufactured with serial numbers after 5098JXXXXX. Compressors after this date have an integral check valve in the oil control solenoid.</u>

Replacing the internal oil filter:

Close the external oil service valve at the compressor and drain the oil using the bleed port. If the oil pressure does not bleed off using this method it will be necessary to isolate the compressor from the circuit and reclaim all the refrigerant in the compressor. Using a ¾-in. allen wrench, remove the internal filter access plug. (See Fig. 1) Remove the old filter. The oil filters are to be removed using only a pulling motion; the oil filter is never to be turned in a counter-clockwise rotation. If twisting is necessary to remove the filter, it must be done in the clockwise direction. If the charge had to be removed from the compressor leakage is occurring at the filter body, the check valve in the oil control solenoid is not functioning properly. This can be fixed using RCD kit# 06NA660001. If oil filter mount appears to be loose, it may be re-torqued to 50-70 ft-lb (68-95 N-m). A 1-1/8" eight-point deep socket is necessary to torque this check valve body/filter mount. This is available in tool kit 06NA660015 from RCD. Lightly oil

O-ring in the filter and install with filter open end first into the housing. Replace access plug o-ring (See Fig. 2) reinstall and re-torque to 75 ft-lb (101 N-m). Follow procedure for opening angle valve and purging lines. Check for leaks and repair if necessary. Refer to the unit installation and startup procedures for restarting the system.