INSTRUCTIONS

Carrier
A United Technologies Company

99TA516121A (for RCD use only)

Instruction Sheet Number: **99TA516121A**

Description: Thunderbolt TS Compressor Connection Kit

Author: Steve Von Borstel Date: January 14, 2011

Part Number: 06TT660035

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.
C. Isolate the compressor from the system. Reclaim all refrigerant in the compressor. Do not disassemble bolts, plugs, fittings, etc. unless all pressure has been relieved from the compressor.

1

This kit contains the necessary gaskets and seals for installing, or temporarily disconnecting a **TS** Thunderbolt compressor for service. Before starting, verify that all the required parts are available. There are four different connection kits depending on the frame size of the compressor.

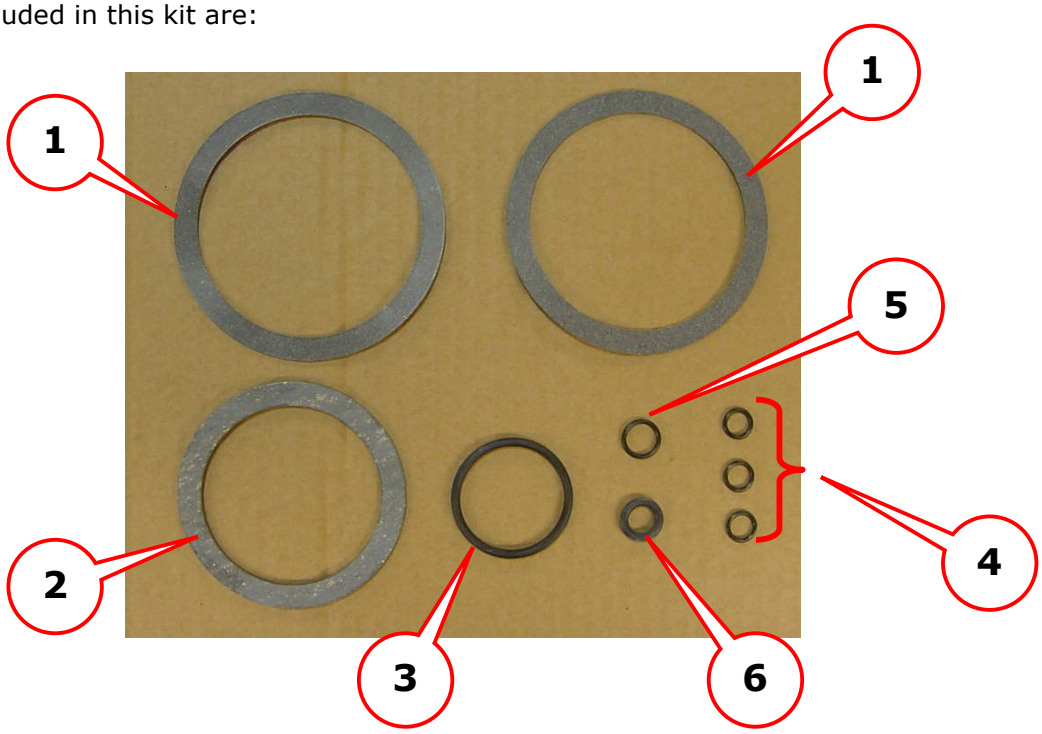
THIS KIT

COMP'R MODEL	CONNECTION KIT
06TS	**06TT660035**
06TT	06TT660036
06TU	06TT660037
06TV	06TT660058

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The parts included in this kit are:



No.	QTY.	PART No.	DESCRIPTION
1	2	6L651101	Suction Gasket
2	1	8TS0722	Discharge Gasket
3	1	KK71EW223	Economizer Connection O-ring
4	3	KK71EW012	O-ring, ¼" SAE Port & Small Face Seal, Elbow
5	1	KK71EW014	O-Ring, 3/8" SAE Oil Inlet Port Tee
6	1	KK71EW016	O-Ring, Oil Inlet Line Face Seal

3

If the compressor is mounted on the unit, make sure the power has been properly locked out and the refrigerant charge has been safely isolated and removed from the compressor.

4

Torque values for the connections are given below:

CONNECTION	TORQUE		SOCKET/WRENCH SIZE (FASTENER TYPE)
	LB-FT	Nm	
SUCTION	155-162	211-220	24mm HEX (M16x2.0 GR 8.8)
DISCHARGE	155-162	211-220	24mm HEX (M16x2.0 GR 8.8)
ECONOMIZER	90-110	122-149	18mm HEX (M12x1.75 GR 8.8)
3/8" SAE	17-19	23-26	19mm HEX
3/8" FACE			See Chiller Assy. Documentation
5/8" FACE			See Chiller Assy. Documentation
¼" SAE	10-12	14-16	16mm HEX