INSTRUCTIONS

99TA516123B (for RCD use only)

Instruction Sheet Number: **99TA516123B**

Description: Thunderbolt TU Compressor Connection Kit

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Part Number: 06TT660037

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.

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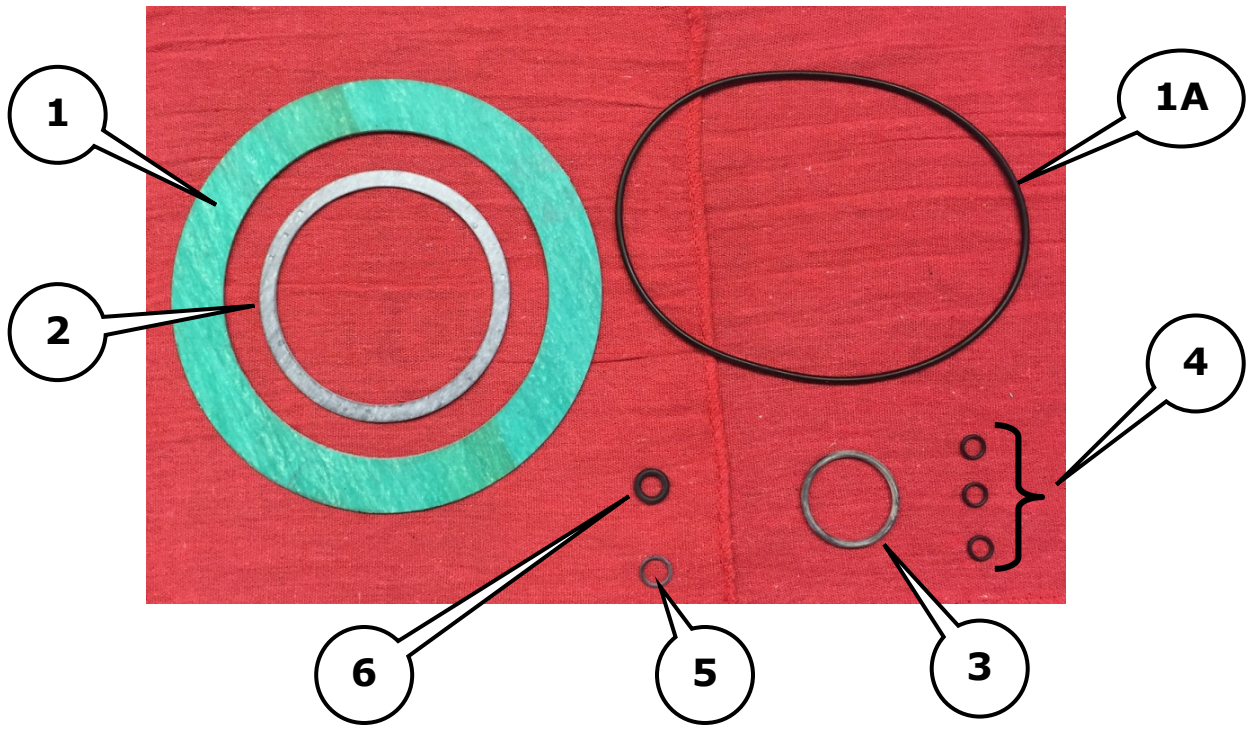
This kit contains the necessary gaskets and seals for installing, or temporarily disconnecting a **TU** Thunderbolt compressor for service. Before starting, verify that all the required parts are available. There are three different connection kits depending on the frame size of the compressor.

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

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The parts included in this kit are:



No.	QTY.	PART No.	DESCRIPTION
1	1	00PSN000895500A	Suction Gasket
1A	1	KK71EW256	Suction O-Ring
2	1	EP29YC780LA	Discharge Gasket
3	1	KK71EW229	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 Depending on the unit being serviced, the suction connection may use a gasket or an o-ring. Both o-ring and gasket are supplied in the kit. Select the appropriate seal and discard the other. Do not use both.

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Torque values for the connections are given below:

CONNECTION	TORQUE		SOCKET/WRENCH SIZE (FASTENER TYPE)
	LB-FT	Nm	
SUCTION	290-310	393-420	30mm HEX (M20x2.5 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

REVISION RECORD

DATE	REV.	DESCRIPTION	CARLYLE REF. FILE NAME
10/26/05	---	INITIAL RELEASE	99TA516123.doc
1/14/11	A	ADDED REFERENCE TO TV IN STEP 1	99TA516123 TU Conn 1-14-11.doc
7/27/15	B	ADDED REVISION RECORD, SUCTION GASKET 00PSN000895500A WAS 8TU0723, ADDED OPTIONAL SUCTION O-RING KK71EW256, OBSOLETED TUW COMPRESSOR CONNECTION KIT 06TT660052 AND INSTRUCTIONS 99TA516135A	99TA516123A TU Conn.docx