



INSTRUCTIONS

KIT NUMBER: 100150-2		DESCRIPTION: KIT –COOLING VALVES ASSEMBLY TT300 – R134a
DOCUMENT No: 700469-2	REV: A.2	

Before starting any service on the compressor, electrical power must be isolated. To ensure safe and clear access to the compressor, follow the procedures according to the service manual and application manual.

CAUTION

- This equipment contains hazardous voltages that can cause injury or death. Only a qualified technician should work on high-voltage electronic equipment.
- Disconnect and lock out incoming electrical power before attempting installation or service of the equipment.
- When proceeding to test the compressor, ensure the compressor access covers are replaced and securely fastened.
- Always wear safety glasses when working around components energized by high voltage. Faulty components can explode and cause serious eye injuries.

CAUTION

*Since removing **cooling valves** will cause refrigerant leakage from system, it is necessary to recover refrigerant from the compressor and recharge it after changing the part based on refrigerant level in the system.*

REFRIGERANT RECOVERY

Refer to Industry/ASHRAE standards when performing service on the refrigeration system. Always wear proper safety equipment when handling refrigerants follow instructions according to service manual.

Parts list

Qty	P/N	Description	Picture
2	901963	SOLENOID OPERATOR TUBE PLUNGER AND SEAL SUB ASSY 4.8 W - PEVEKO	
2	902561	NUT-SPECIAL-SOLENOID VALVE	
2	901362	'O' RING-PARKER#2-010-C1278-80	
2	901363	'O' RING-PARKER#2-017-C1278-80	
2	900578	LUBRICATION-SUPER "O" LUBE-2G	
2	700802-3	VALVE - ORIFICE SOLENOID - 1.3 TT-300	



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CAUTION:

Prior to starting the removal procedures, switch off the AC mains at the disconnect switch and then wait at least 10 minutes for capacitors to de-energize before removing covers. Install a lock-out device or place a placard at the switch, alerting others that compressor servicing is in progress.

REMOVAL PROCEDURE:

1. Release the six captive screws that secure the service-side cover. Lift away the cover.
2. Remove two nuts, which secure coils, on the solenoid plunger assembly.
3. Withdraw the coils and keep them in a safe place.
4. Using a six point deep socket (15/16"), open the two valves- orifice and plunger assembly.
5. Ensure threads are clean and free from residual sealant.
6. Place smaller O-rings (901362) and the bigger O-rings (901363) onto both valve orifices (700802-3).
7. Lubricate the smaller O-rings (901362) and the bigger O-rings (901363) with a drop of 'O'- lube (900578) on both valve orifices (700802-3).



8. Fasten the two valve orifices (700802-3) into the holes and tighten them until 16 N.m using deep socket (15/16").
9. Lubricate the solenoid tube (901963) O-ring with a drop of 'O'- lube (900578).



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10. Fasten solenoid tube (901963) into valve orifice (700802-3) and tighten until 12 N.m with six point deep socket 13 mm.

NOTE:

It is far more desirable to take care in installation identifying and inspecting than to repeatedly overhaul components with faulty seals. In order to be sure that the system is sealed perfectly, it is necessary to carry out a leak test before recharging the system.

11. Insert the coil solenoids into the plungers.
12. Place two nuts, which secure coils, on the solenoid plunger assembly.
13. Install the service side cover and start the compressor.