



SUN ELECTRIC CORPORATION

Model: **SUN MCC-100**

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## Field Installation Instructions

INSTALLATION MUST BE PERFORMED BY QUALIFIED SUN SERVICE PERSONNEL ONLY

### INSTALLATION OVERVIEW:

The Installation Procedure listed are for the SUN KC-100. **The unit** is shipped as a fully assembled unit, with the exception of the items as listed in the Parts List.

### PARTS LIST:

| DESCRIPTION  | PART NUMBER  | QUANTITY    |
|--|--------------|-------------|
| Literature Kit, MCC-100                            | 0119-0328-01 | 1           |
| Screw, $\frac{1}{4}$ X 20 X $\frac{1}{2}$ Pan Head | 0403-1651-08 | 2           |
| Keps Nut $\frac{1}{4}$ X 20                        | 0616-0003    | 2           |
| Installation Instructions                          | 0692-1903-01 | 1           |
| Blue Hose Assembly, 96"                            | 3988-0292-01 | 1           |
| Red Hose Assembly, 96"                             | 3988-0293-01 | 1           |
| Yellow Hose Assembly, 36"                          | 3988-0291-01 | 1           |
| Gauge Set Assembly w/o Hoses                       | 7009-2082-01 | 1           |
| Gauge Set Assembly w/o Hoses (European)            | 7009-2082-03 | 1 (-3 only) |
| Bracket, Manifold Gauge Set                        | 7012-1314-02 | 1           |

### REQUIRED TOOLS:

|                                   |                        |
|-----------------------------------|------------------------|
| 7/16" and 9/16" Open End Wrenches | Flat Blade Screwdriver |
| Safety Goggles                    | Leak Detector          |

### INSTALLATION:

#### USE STANDARD REFRIGERANT SAFETY PRECAUTIONS WHEN PERFORMING THIS PROCEDURE

1. Open the container and remove the unit and all accessories from the shipping container.
2. Inventory all item using the parts list and inspect for damage.
3. Attach the Bracket (7012-1314-02) to the front of the upper housing using the 2 Screws (0403-1651-08) and 2 Keps Nuts (0616-0003) provided.
4. Disconnect the Blue Hose from the fitting on the Pump housing next to the Refrigerant Scale.

5. Attach the **BLUE** Hose Assembly (3988-0292-01) to the **low pressure** side of the Gauge Set Assembly (**BLUE handle** side) **and** wrench tighten.
6. Attach the **RED** Hose Assembly (3988-0293-01) to the **high** pressure side of the Gauge Set Assembly (**RED handle** side) **and** wrench tighten.
7. **The RED and BLUE** Hose Assemblies **may be wrapped around the rear handle for storage.**
8. Attach the **YELLOW Charge** Hose Assembly (3988-0291-01) to the middle connector on the Gauge Set Assembly **and** wrench tighten.
9. **Attach** the opposite end of the **YELLOW Charge** Hose Assembly **to the** fitting on the **Pump housing** next **to** the Refrigerant Scale **and** wrench tighten.
10. Attach the Blue Hose, **which** was disconnected **from the** fitting **on the Pump housing in Step # 4, to** a refrigerant tank.
11. **Open the valve on the tank fully counter-clockwise.**
12. **Check** all valves and **f ittings** for leaks **using** a **Leak** Detector.
13. **Invert the tank and set it in the center of the Scale platform.**
14. Secure the tank with the strap provided.
15. Remove shipping plug from the top of the oil reservoir **and** replace with the vent plug provided.
16. Check oil level **on** sight glass of vacuum **pump** oil reservoir. Oil should be seen at half way point of sight glass. If not, fill **to** half way point using **preium pump** oil.

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\* **INSTALLATION COMPLETE** \*  
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