



SUN ELECTRIC CORPORATION

Model: SUN MCC-200

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Field Installation Instructions

INSTALLATION MUST BE PERFORMED BY QUALIFIED SUN SERVICE PERSONNEL ONLY

INSTALLATION OVERVIEW:

The Installation Procedures listed are for the SUN MCC-200. 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-200	0119-0325-01	1
Elastic Cord	0144-0011-01	1
Disposable Oil Cylinder	0271-0071-01	1
wing Nut	0407-0060-01	1
Pads	0536-0520-01	1
90" Adapter	0647-0198-01	1
Screw, 1/4-20 X 3/8 Pan Head	0675-0423	4
Installation Instructions	0692-1902-01	1
cap Plug	1374-0111-01	6
Blue Hose Assembly, 36"	3988-0234-01	1
Blue Hose Assembly, 96"	3988-0243-01	1
Red Hose Assembly, 96"	3988-0244-01	1
seal cap	4312-5007-01	1
Gauge Set and Bag Assembly	7009-2132-01	1
Adapter Pack Assembly	7009-2217-01	1
ATC Cover Assembly	7009-2218-01	1
Bracket, Disposable Oil Cylinder	7012-1341-01	1
Side Bracket	7012-1369-01	2
Rubber Mat	7019-0088-01	1
Oil Pan, Anti-Splash	7022-0135-01	1
Tubing	8200-0175-01	1

REQUIRED TOOLS:

Complete Sun Issued Tool Kit
Safety Goggles (0001-5005) R-12 Leak Detector

INSTALLATION:

USE **STANDARD REFRIGERANT HANDLING SAFETY PROCEDURES**
WHEN PERFORMING THIS PROCEDURE

1. Open the **container** and **remove** the unit **and** all accessories from the shipping container.
2. Inventory all items using the parts list **and** inspect for damage.
3. **Attach** the Brackets (7012-1369-01) to the right side of the cabinet using the 4 Screws (0675-0423) provided.

NOTE: *The hoses provided with the MCC-200 have an angled fitting with a Schrader Valve depressor on one end, and a straight fitting with no depressor on the other end. The straight fittings on all hoses are attached to the headframe output ports as follows:*

4. Attach the **BLUE** Hose Assembly (3988-0243-01) to the **Port** on the right side of the **headframe** marked **LOW**.
5. Attach the **RED** Hose Assembly (3988-0244-01) to the **Port** on the right side of the **headframe** marked **HIGH**.
6. Attach the **BLUE** Hose Assembly with **Hand Valve** (3988-0236-01) to the **BLUE** Hose **Assembly**.
7. Attach the **RED** Hose Assembly with **Hand Valve** (3988-0235-01) to the **RED** Hose **Assembly**.

NOTE: *The hoses that are supplied with the Hand Valves have an angled fitting with a Schrader Valve depressor on one end, and a straight fitting with no depressor on the other end. The straight fittings on the hoses are attached to the Hand Valve and the fitting with the depressor will attach to the Vehicle that is to be serviced.*

8. Close both Hand Valves.
9. The **RED** and **BLUE** Hose **Assemblies** may be wrapped for storage around the Brackets installed in Step 3.
10. Place the Pads (0536-0520-01) in the Anti-splash Oil Pan (7022-0135-01) .
11. Slide the Anti-splash Oil Pan into the **brackets underneath** the **rear** center of the cabinet.
12. Remove the plastic shipping plug from the **rear** center of the Vacuum **Pump** and attach one end of the **Tubing** (8200-0175-01) .
13. Push the other end of the Tubing through the **f loor** of the **cabinet** into the Anti-splash Oil Pan.
14. Attach the blue internal Hose to a 30 pound tank of R-12.
15. **Open** the valve on the tank fully **counter-clockwise**.

- 16. Check the valve and fitting for leaks using an R-12 Leak Detector.
- 17. Turn the tank upside down and place it on the scales against the warming blanket.
- 18. Use the Elastic Cord (0144-0011-01) to secure the tank in place.
- 19. Attach the internal RED hose to the 90 Degree Adaptor.
- 20. Attach the 90 Degree Adaptor (0647-0198-01) to the Disposable Oil Cylinder (0271-0071-01) .

NOTE: Failure to use the 90 Degree Adaptor will cause the scale to be inaccurate and could result in overcharging of a system.

- 21. Slide the Disposable Oil Cylinder into the Oil Cylinder Bracket (7012-1341-01) .
- 22. Attach the Oil Cylinder Bracket to the Scale in front of the Refrigerant Tank using the Wing Nut (0407-0060-01) .
- 23. Recheck all fittings to make sure they are tight.
- 24. Store all accessories and adaptors in drawers.

NOTE: Accessories and adaptors being stored in the liner compartments could slide under the scale causing a mal function. This could result in overcharging of a system.

NOTE: In order to gain access to some parts of the MCC-200 it may be necessary to remove the storage drawers. Slide the "L" shaped tool in between the drawer guide and the bracket to allow the drawer to be removed.

 * INSTALLATION COMPLETE *

CHECKOUT PROCEDURE: -----

Refer to Operator's Manual in the Literature Kit (0119-0325-01) for Checkout and Customer Training procedures.

 * CHECKOUT COMPLETE *
