



SUN ELECTRIC CORPORATION

Model: **ATC-IV**

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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 MC-IV. 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, ATC-IV	0119-0326-01	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
VCR Tape, Murray	0552-0984-01	1
90" Adapter	0647-0198-01	1
Screw, $\frac{1}{4}$ -20 X 3/8 Pan Head	0675-0423	4
Installation Instructions	0692-1956-01	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	7012-1369-02	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:**

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**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 (7012-1369-02) to the right side of the cabinet using the 4 Screws (0675-0423) **provided**.

**NOTE:** *The hoses provided with the ATC-IV 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 96" BLUE Hose Assembly (3988-0243-01) to the Port on the right side of the **headframe marked LOW**.
5. **Attach** the 96" RED Hose Assembly (3988-0244-01) to the Port on the right side of the **headframe marked HIGH**.
6. The RED and BLUE Hose Assemblies may be rewrapped for storage around the Brackets installed in step 3.
7. Place the Pads (0536-0520-01) in the Anti-splash Oil Pan (7022-0135-01).
8. Slide the Anti-splash Oil Pan into the **brackets underneath** the rear center of the cabinet.
9. Remove the plastic shipping plug from the rear center of the Vacuum Pump and **attach one end of the Tubing** (8200-0175-01) .
10. **Push the other end of the Tubing** through the floor of the cabinet into the Anti-splash Oil Pan.
11. **Attach** the blue internal Hose to a 30 pound tank of R-12.
12. Open the valve on the tank fully **counter-clockwise** .
13. Check the valve and fitting for leaks using an R-12 Leak Detector.
14. **Turn the tank upside down and place it on the scales against the warming blanket** .
15. Use the Elastic Cord (0144-0011-01) to secure the tank in place.
16. **Attach the internal RED hose to the 90 Degree Adaptor**.
17. **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.

18. Slide the Disposable Oil Cylinder into the Disposable Oil Cylinder Bracket (703.2-1341-01) .
19. Attach the Bracket to the Scale in front of the Refrigerant Tank using the Wing Nut (0407-0060-01) .
20. Recheck all fittings to make sure they are tight.
21. Store all accessories and adaptors in drawers.

**NOTE:** Accessories and adaptors being stored in the lower compartments could slide under the scale causing a malfunction. This could result in overcharging of a system.

**NOTE:** In order to gain access to some parts of the ATC-IV 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.

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\* INSTALLATION COMPLETE \*  
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**CHECKOUT PROCEDURE:** \_\_\_\_\_

Refer to Operator's Manual in the Literature Kit (0119-0326-01)  
and the Video Tape (0552-0984-01) for Checkout  
and Customer Training procedures.

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