



SUN ELECTRIC CORPORATION

Model: MURRAY ATC-5000

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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 Murray ATC-5000. The unit is shipped as a fully assembled unit, with the exception of the items as listed in the Parts List.

PARTS LIST:

DESCRIPTION	SUN PART NUMBER	SUN/MURRAY PART NUMBER	QUANTITY
Literature Kit, ATC 5000	0119-0323-01		1
Elastic Cord	0144-0011-01	55-874584	1
Oil Cylinder, Disposable	0271-0071-01	55-209944	1
wing Nut	0407-0060-01	55-874487	1
VCR Tape, Murray	0552-0982-01		1
GM Adapter, 7/16-20X3/8-24	0647-0196-01	55 209528	1
GM/Ford Adapter, Quick-Disconnect (90°)	0647-0197-01	55 209932	1
Large GM Adapter, Quick-Disconnect (90°)	0647-0199-01	55 209933	1
Ford Adapter, 7/16-20X5/16-24	0647-0200-01	55 209930	1
Desiccant Bag	0671-1018-01	55 209966	10
Cover, MC-5000	0671-1023-01	55-863676	1
Installation Instructions	0692-1900-01		1
Murray Banner	0693-1435-01	55-710019	1
10" Red Hose Assembly, with Hand Valve	3988-0235-01	55 863535	1
10" Blue Hose Assembly, with Hand Valve	3988-0236-01	55 863536	1
Red Charge Hose Assembly, 101	3988-0247-01	55-863113	1
Blue Charge Hose Assembly, 10 '	3988-0248-01	55-863114	1
Voltage Probe Cable Assembly	6004-0674-01	55-863549	1
Temperature Probe Cable Assembly	6004-0675-01	55-863487	1
Boom Assembly	7009-2155-02		1
Bracket, Disposable Oil Cylinder	7012-1341-01	55-875242	1
Drawer Removal Tool, "L" Shaped			1

REQUIRED TOOLS:

Complete Sun Issued Tool Kit
Safety Goggles (0001-5005)

INSTALLATION:

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

GAUGE SET ASSEMBLY

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. Slide the Boom Assembly (7009-2155-02) into the hole located in the right rear corner of the Murray ATC-5000.
4. Open the right lower compartment door and guide the end of the Boom over the internal Boom retainer.
5. Feed the "D"-plug of the Voltage Probe Cable (6004-0674-01) through the hangers in the boom from top to bottom.
6. Attach the "D"-plug to the connector marked "VOLTAGE PROBE" on the right side of the Tester headframe.
7. Feed the "D"-plug of the Temperature Probe Cable (6004-0675-01) through the hangers in the boom from top to bottom.
8. Attach the "D"-plug to the connector marked "TEMPERATURE PROBE" on the right side of the Tester headframe.

WI'E: The hoses provided with the ATC-5000 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:

9. Attach the BLUE Hose Assembly (3988-0248-01) to the fitting marked "LOW" near the right rear corner of the Tester headframe.
10. Attach the RED Hose Assembly (3988-0247-01) to the fitting marked "HIGH" near the right rear corner of the Tester headframe.
11. Feed both hoses through the hangers in the boom from bottom to top.

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.

12. Attach the BLUE Hose Assembly with Hand Valve (3988-0236-01) to the BLUE Hose Assembly.
13. Attach the RED Hose Assembly with Hand Valve (3988-0235-01) to the RED Hose Assembly.

14. close both Hard Valves.
15. Attach the internal BLUE hose to a 30 pound tank of refrigerant.
16. Turn the tank upside down and place it on the scales against the warming blanket .
17. Use the Elastic Cord (0144-0011-01) to secure the tank in place.
18. Attach the internal RED hose with the 90 Degree Adaptor to the Disposable Oil Cylinder (0271-0071-01) .

NYFE: Failure to use the 90 Degree Adaptor when attaching the Red Hose to the Disposable Oil Cylinder will cause the scales to be inaccurate and could result in overcharging of a system. If the Tester is shipped without the adapter attached to the Red Hose order Part Number 0647-0198-01 before installing the Disposable Oil Cylinder.

19. Slide the Disposable Oil Cylinder into the Bracket (701.2-1341-01) .
20. Attach the Bracket to the Scale in front of the Refrigerant tank using the Wing Nut (0407-0060-01) .
21. Recheck all fittings to make sure they are tight.
22. Store all accessories and adaptors in drawers.

NOTE: Accessories and adaptors being stored in the lower compartments could slide under the sinks causing them to be inaccurate. This could result in overcharging of a system.

NOTE: In order to gain access to some parts of the Murray AIC-5000 it maybe 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 (0119-0323-01)
 and the Video Tape (0552-0982-01) for Checkout
 and Customer Training procedures.

 * CHECKOUT COMPLETE *
