



Model: ECO-12 (EEAC107B)
ECO-134 (EEAC108B)
UNIT SETUP

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Installation Instructions

**INSTALLATION MUST BE PERFORMED
BY QUALIFIED
SNAP-ON/SUN/EQUISERV PERSONNEL ONLY**

INSTALLATION OVERVIEW: _____

The Installation Procedures listed are for the Sun ECO units (EEAC107B for R-12 & EEAC108B for R-134a). The unit is shipped as a fully assembled unit, with the exception of the items listed in the Parts & Accessories per tester.

PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE SETTING UP UNIT



CAUTION!

THIS UNIT MUST BE PLUGGED INTO A PROPER AC OUTLET FOR UNIT TO OPERATE CORRECTLY. REFER TO THE UNIT ID PLATE LOCATED ON BACK OF UNIT. EXTENSION CORDS ARE NOT RECOMMENDED, BUT IF AN EXTENSION CORD MUST BE USED, USE A CORD THAT IS LESS THAN 50 FEET WITH A 16 AWG, OR ABOVE 50 FEET AND LESS THAN 100 FEET WITH A 14 AWG.



WARNING!

**USE STANDARD REFRIGERANT HANDLING
SAFETY PROCEDURES WHEN PERFORMING INSTALLATION**

ALWAYS WEAR SAFETY GOGGLES, DON'T SPILL OR TOUCH LIQUID REFRIGERANT, AVOID FLAMES, AND EXCESSIVE HEAT. USE ONLY IN WELL VENTILATED AREA.

PARTS & ACCESSORIES FOR EEAC107B: _____

PART NUMBER	DESCRIPTION	QTY
04070019	Nut, Wing	2
0647019601	Adapter, GM	1
0647019701	Adapter, Quick-Disconnect, GM/Ford	1
0647019901	Adapter, Quick-Disconnect, Large GM	1
0647020001	Adapter, Ford	1
0692191401	MACS Form, Mail-in	1
0692192801	Product Registration Form	1
0692224201	MACS Certification Form	1
0692229101	Product & Warranty Registration Form	1
1285	Beaker, Disposable 5oz.	1
4719005501	Anti-Blow Back Valve	1
EAA0157C00A	Recovery Tank Assembly	1
EAH0013C00A	Gauge Set, Uniweld	1
EASC076C10A	Brace, Tank	1
SS1451VHS	Video Tape	1
ZEEAC107B	User's Manual	1
TEEAC107B	Installation instructions	1

PARTS & ACCESSORIES FOR EEAC108B: _____

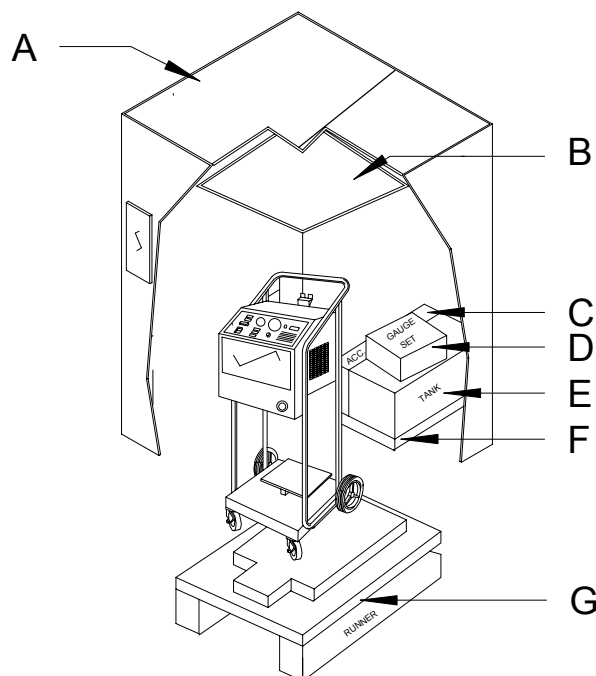
PART NUMBER	DESCRIPTION	QTY
04070019	Nut, Wing	2
0647028707	Adapter, Vehicle, High Side	1
0647028708	Adapter, Vehicle, Low Side	1
0692191401	MACS Form, Mail-In	1
0692192801	Product Registration Form	1
0692224201	MACS Certification Form	1
0692229101	Product & Warranty Registration Form	1
115080	Adapter, Low Side	1
1285	Beaker, Disposable 5oz.	1
4719005502	Anti-Blow Back Valve	1
EAA0158C00A	Recovery Tank Assembly	1
EAH0014C01A	Gauge Set, R134a	1
EAK0027C00AS	Kit, Vehicle Adapter O-Ring	1
EASC076C10A	Brace, Tank	1
SS1451VHS	Video Tape	1
ZEEAC107B	User's Manual	1
TEEAC107B	Installation Instructions	1

REQUIRED TOOLS: _____

- Safety Goggles (0001-5005)
- Refrigerant Oil (Mineral) or Superlube (0681-0193-02 or -03)

INSTALLATION INSTRUCTIONS:

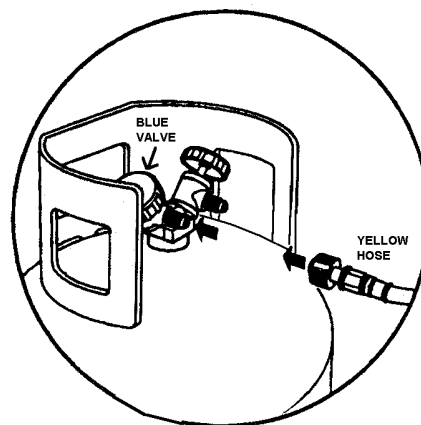
1. Open top of box (A). Split one corner and unwrap box (A) off unit.
2. Remove the protective pad (B).
3. Remove the plastic bag from unit.
4. Remove the gauge set box (D).
5. Remove accessory and tank boxes (C)(E), and packing material (F) from scale/tank compartment.
6. From the back side of the unit, carefully lean the unit backwards and roll off the bottom runner assembly (G).
7. Inventory all items using the Parts & Accessories list and inspect for damage.

**FIGURE 1 Unit Package****PARTS & ACCESSORIES SETUP:**

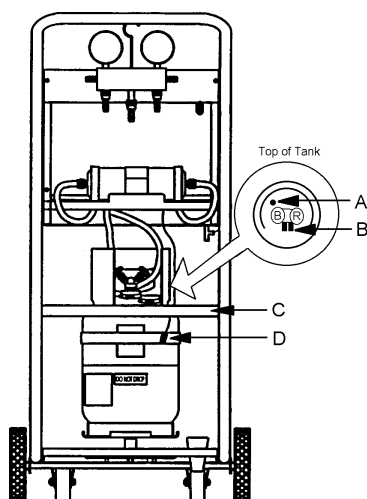
1. Remove the Gauge Set Assembly (EAH0013C00A or EAH0014C01A) from the gauge set box and place on gauge set bracket. (Bracket is part of rear panel.)
2. Remove the Blue and Red Hoses from the gauge set box and **OIL** the seals on each end.
3. Connect the open end of the Blue and Red Hoses to the Gauge Set respectively.
4. Remove the Beaker (1285) and place it in the hole next to the left rear wheel.
5. For the EEAC107B, place the four adapters in the storage tray on top.
6. For the EEAC108B, connect the Red and Blue adapters (0647028707 and 0647028708) to the Red and Blue Hoses from the Gauge Set respectively.
7. For the EEAC108B, place the O-Ring Kit (EAK0027C00AS) and Adapter Fitting (115080) in the storage tray on top.
8. Remove the User's Manual, MAC Form/Certification, Product Registration Form, Warranty Registration, and VideoTape from the box. Hand these items to the Owner or Manager.
9. Remove Recovery Tank (EAA0157C00A or EAA0158C00A) from its box. Remove cardboard wrap from Recovery Tank. Set on floor in back of unit.

PREPARING NEW RECOVERY TANK:

1. Referring to FIGURE 2, open the **BLUE** valve on Recovery Tank to release ALL COMPRESSED AIR.
2. Remove the Yellow Hose from the gauge set box. OIL the seals on each end of hose.
3. Add the anti-blow back valve (4719005501 or 4719005502) to the short side of yellow hose.
4. Attach open end of Yellow Hose to **BLUE** valve on Recovery Tank (Refer to FIGURE 2). Attach other end of Yellow Hose with the anti-blow back valve to the service port on back of unit. Open ball valve on yellow hose.

**FIGURE 2 RECOVERY TANK**

5. Plug AC Cord to a 115VAC outlet. Turn compressor switch to ON, and turn the 3-way valve to VACUUM.
6. Pull a vacuum for about 15 minutes.
7. Once completed, turn the 3-way valve to OFF, and the compressor switch to OFF.
8. Close Recovery Tank valve (**BLUE**) and remove Yellow Hose from Recovery Tank.
9. Re-OIL seal on Yellow Hose and connect to center port on Gauge Set.
10. Place Recovery Tank on scale. Tank fittings should face straight out the back of unit.
11. Connect the Yellow Hose from the bottom of unit to the purge valve (A) shown in FIGURE 3 on top of the Recovery Tank.
12. Connect the Red Hose from the bottom of the unit to the **RED** valve (B) on the Recovery Tank.
13. Connect the Blue Hose from the bottom of the unit to the **BLUE** valve (B) on the Recovery Tank.
14. Connect the Tank Brace (EASC076C10A) (C) to the frame and secure with Wing Nuts (04070019).
15. Slide the Temperature Lead between the Velcro Strap (D) on the recovery tank. Ensure that the velcro strap is 2" above the weld of the tank.

**FIGURE 3 INSTALLING TANK**

CHARGING RECOVERY TANK USING GRAVITY METHOD: _____

NOTE: THIS PROCEDURE IS USED TO SETUP THE UNIT FOR CHARGING. RECOVERY TANK SHOULD HAVE AT LEAST A 25" VACUUM. THIS PROCEDURE IS DONE WHEN RECOVERY TANK IS ON THE SCALE

1. Be sure Recovery Tank valves (B) are closed. Refer to FIGURE 4
2. Disconnect the Red hose from the Recovery Tank.
3. Disconnect and **Re-Oil** both the seals on Yellow hose (C). Connect the long side of the Yellow Hose to the Virgin Tank.
4. Connect the short side of the Yellow Hose to the Red Valve on the Recovery Tank (B).
5. Open the Red Valve on the Recovery Tank.
6. Invert the Virgin Tank (A) and open valve. Open Hand Valve (D) on the Yellow Hose to allow the refrigerant to flow.
7. Raise the Virgin Tank to a higher level than the Recovery Tank. Gravity and vacuum will transfer the liquid refrigerant to the Recovery Tank faster than reclaiming it.
8. Refer to the LCD Display to view the amount of refrigerant that has been transferred.
9. After the desired amount of refrigerant has been transferred, close valves on Virgin Tank and Recovery Tank. Set Virgin Tank on ground upright.
10. Close Hand Valve on Yellow Hose. Disconnect Yellow Hose from Recovery Tank.
11. **Re-Oil** seals on anti-blow back valve on the Red Hose from unit and connect to Recovery Tank. Open Recovery Tank valve (RED).

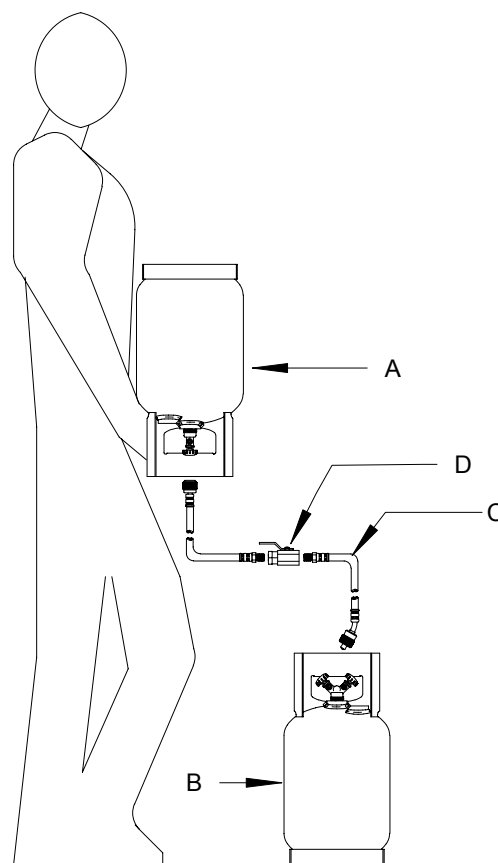


FIGURE 4 CHARGING TANK

12. **Re-Oil** seal on Yellow Hose and connect to service port on back of unit. Open Hand Valve on Yellow Hose.
13. Plug the unit into a 115VAC outlet. Turn the compressor switch to ON, and the 3-way valve to RECYCLE. This will reclaim the refrigerant from the hose. (Optional: Opening Virgin Tank valve will recover the rest of the refrigerant.)
14. Once complete, disconnect Yellow Hose from Virgin Tank.
15. **Re-Oil** seals on Yellow Hose and connect to center port on Gauge Set.

CHARGING RECOVERY TANK USING THE UNIT: _____

NOTE: THIS PROCEDURE IS USED TO SETUP THE UNIT FOR CHARGING. RECOVERY TANK SHOULD HAVE AT LEAST A 25" VACUUM. THIS PROCEDURE IS DONE WHEN RECOVERY TANK IS ON THE SCALE

1. Be sure the **RED** Recovery Tank valve is open.
2. For the EEAC107B, connect the blue service hose from manifold gauge set to virgin tank.
3. For the EEAC108B, connect the tank adapter (115080) to the virgin tank. Then connect the blue service adapter from the manifold gauge set to the backside of the tank adapter.
4. Open the Virgin tank valve, blue service hose hand valve (For EEAC107B), or coupler (For EEAC108B), and low side gauge set hand valve.
5. Turn the compressor switch ON, and turn the 3-way valve to RECYCLE.
6. Press the MODE button until "Tare Weight" is displayed. Monitor weight on LCD display until desired amount of virgin refrigerant has been transferred.
7. Once the desired amount of refrigerant has been transferred, close the virgin tank valve.
8. Allow recycler to run until 15"Hg vacuum is reached.
9. Once the recycler reaches 15"Hg of vacuum, close the blue service hose hand valve (For EEAC107B), or coupler (For EEAC108B).
10. Turn the 3-way valve to OFF.
11. Turn the compressor switch OFF.
12. Compare recovery tank pressure/temperature relationship with the chart and bleed off any non-condensables (air) by pressing the PURGE button.

**REMEMBER TO OIL O-RINGS
AND SEALS WHEN ATTACHING
HOSES OR FITTINGS**

INSTALLATION COMPLETE/SETUP COMPLETE