



Model: EEAC321A
ECO Xtreme™ International
UNIT SETUP

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Installation Instructions

**INSTALLATION MUST BE PERFORMED
BY
QUALIFIED PERSONNEL ONLY**

INSTALLATION OVERVIEW: _____

The Installation Procedure listed is for the Snap-on ECO Xtreme™ International (EEAC321A). The unit is shipped as a fully assembled unit, with the exception for the items listed in the Parts & Accessories.

PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE SETTING UP UNIT

PARTS & ACCESSORIES: _____

PART NUMBER	DESCRIPTION	QTY
1-15080	Adapter, Low Side	1
1-27180	Adapter, Vehicle, High Side	1
1-27280	Adapter, Vehicle, Low Side	1
1-05585A	Bottle, Disposable 8oz.	1
5-1145	Plastic tie wrap	1
EAA0275L05A	Recovery Tank Assembly (R-134a)	1
EAH0001C01A	Red Hose	1
EAH0040L22A	Blue Hose w/Vacuum Pump Port	1
EAK0027C00AS	Kit, Vehicle Adapter O-Ring	1
TEEAC321A0	Installation Instructions	1
ZEEAC318A06	User's Manual	1

REQUIRED TOOLS: _____

- Safety Goggles
- R-134a Virgin Tank (Supplied by Customer)
- Gloves



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

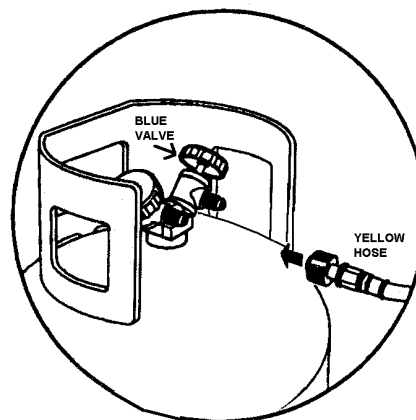
ALWAYS WEAR SAFETY GOGGLES, DON'T SPILL OR TOUCH LIQUID REFRIGERANT, AVOID FLAMES, AND EXCESSIVE HEAT. USE ONLY IN WELL VENTILATED AREA.

PARTS & ACCESSORIES SETUP

1. Remove the Blue and Red Hoses from the box, along with the plastic-tie-wrap. Remember to **OIL** the seals on each end of the hoses.
2. Connect the high (red) and low (blue) couplers to their respective hoses. Rotate coupler knobs fully CCW (closed).
3. Route both hoses in-between the master filter bracket and the hose that connects to the filter.
4. Attach other end of the (red) hose to upper, red labeled (high side) port on the back panel of the Eco Xtreme™ unit.
5. Attach other end of the blue hose to lower, blue labeled (low side) port on the back panel of the Eco Xtreme™ unit.
6. The plastic-tie wrap will be used **later**, to secure the hoses to the master filter bracket. (Page 4, line 12).
7. Install plastic oil bottle (1-05585A) to the white cap mounted in the front of the unit.
8. Remove the User's Manual from the box. Hand this item to the Owner or Manager.
9. Remove Recovery Tank (EAA0275L05A) from its box. Remove cardboard wrap from Recovery Tank and set on floor.

PREPARING RECOVERY TANK:

1. Referring to FIGURE 1, open the **BLUE** valve on Recovery Tank to release ALL COMPRESSED AIR.
2. Gently set the Recovery Tank on the scale.
3. Place the strap around the recovery tank.
4. Position the Temperature Probe between the tank and the strap.
5. Install the supplied tank adapter 1-15080 on the Low (blue) side of the recovery tank.
6. Attach the blue vehicle hose w/adapter to the Low side of the tank.
7. Plug AC Cord to a proper AC outlet. And turn-on the unit by the rear panel switch.

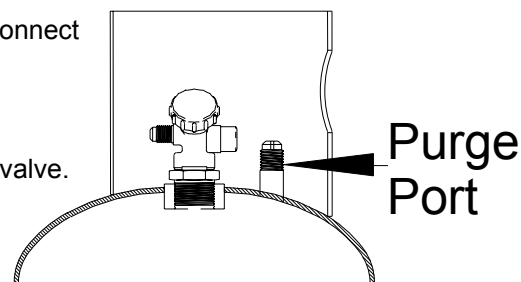
**FIGURE 1 RECOVERY TANK**

NOTE: In the unlikely event, the LCD screen is unreadable upon power up, adjust LCD contrast. Refer to the users manual for contrast adjustment.

8. Press the Down arrow, Arrow on display will be pointing to "VACUUM".
 - a. Press <ENTER>.
 - b. Press the Down arrow until desired amount of vacuum time is displayed.
 - c. Turn the front panel low panel valve to VACUUM.
 - d. Press Start button, vacuum pump should turn ON in about 5 seconds.
9. The low side gauge shows vacuum increasing.
10. Monitor low side gauge until a minimum of 25 inches has been reached.
11. Once completed, close the Recovery Tank valve (**BLUE**). Close the R-134a Coupler.
12. Press EXIT button. The pump will shut-off.
13. Remove the blue service hose from the tank.

NOTE: Remove the R-134a tank adapter, (1-15080) and place in the storage tray.

14. Identify the three hoses leading from the bottom of the unit. Connect the yellow hose to the tank purge port. See figure to the right. Rotate the tank so the valves face towards the rear of the unit.
15. Identify the blue hose leading from the bottom of the unit. Connect hose with the anti-blowback valve to the blue (liquid) valve.
16. If you are going to continue with Gravity refrigerant transfer (found on page 4), leave the red hose disconnected. Otherwise identify the red hose leading from the bottom of the unit. Connect hose with the anti-blowback valve to the red (vapor) valve.
17. Open both red and blue valves on tank unless continuing with Gravity Transfer method.
18. If you are going to continue with Gravity refrigerant transfer, do not attach plastic -tie. Using the plastic-tie wrap (5-1145) route the tie through the hole in the bracket, wrap around the hoses and tie.



**Refer to the users manual for pre-charging tanks.
Refer to next page for first time fast charge.**

INSTALLATION COMPLETE

PRE-CHARGING RECOVERY TANKS 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. Plug unit in and turn on, go into Charge screen to monitor tank weight.
2. Be sure Recovery Tank valves (B) are closed and tank is in vacuum on scale. Refer to FIGURE 2.
3. Disconnect the Red hose from the Recovery Tank.
4. Disconnect and **Re-Oil** both the seals on blue hose (C). Connect the one side of the blue Hose w/ adapter (1-15080) to the Virgin Tank (A).
5. Connect the other end of the blue Hose to the Red Valve on the Recovery Tank (B).
6. Open the Red Valve on the Recovery Tank.
7. Raise the Virgin Tank to a higher level than the Recovery Tank. Invert the Virgin Tank (A) and open valve.
8. Gravity and vacuum will transfer the liquid refrigerant to the Recovery Tank faster than recovering it.

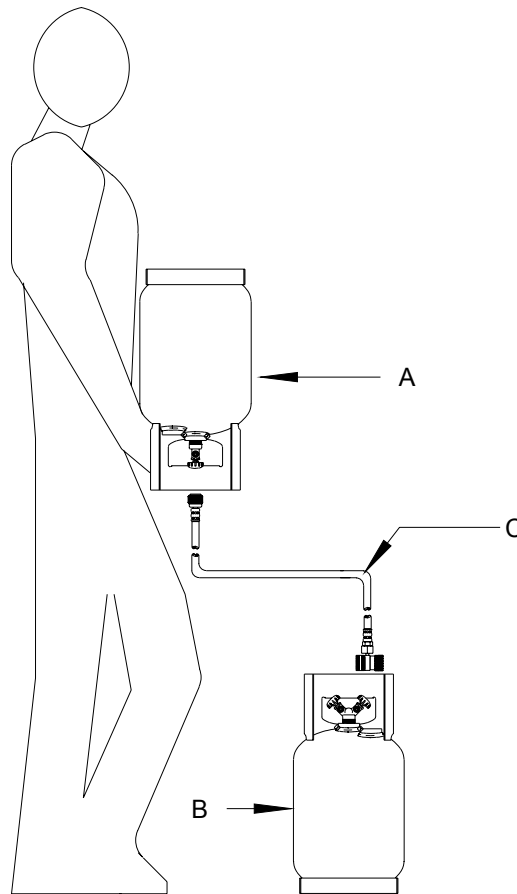


FIGURE 2 CHARGING TANK

- NOTE: DO NOT OVER CHARGE TANK. THE SAFE AMOUNT TO CHARGE IS AROUND 15 LBS.**
9. After the desired amount of refrigerant has been transferred, close valves on Virgin Tank first, pause to allow refrigerant to flow into tank, then close recovery tank valve. Set Virgin Tank on ground upright.
 10. Disconnect blue hose, and adapter from both Tanks.
 11. **Re-Oil** seals on anti-blow back valve on the Red Hose from unit and connect to Recovery Tank. Open both Recovery Tank valves.
 12. **Re-Oil** seals on red and blue hoses. To connect the hoses, route both in-between the master filter bracket and the hose that connects to the filter. Connect the open end of the Blue hose to the Low side bulkhead fitting and Red Hose to the high side bulkhead fitting. Using the plastic-tie wrap route the tie through the hole in the bracket, wrap around the hoses and tie.
 13. Unit is ready to recover and charge refrigerant.

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