



Model: DUAL-II
EEAC313A
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 Dual-II (EEAC313A). 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
0692-1914-01	MACS Form, Mail-in	1
0692-2242-01	MACS Certification Form	1
0692-2291-01	Product & Warranty Registration Form	1
1-15080	Adapter, Low Side	1
1-27180	Adapter, Vehicle, High Side	1
1-27280	Adapter, Vehicle, Low Side	1
1-27380	Adapter, Quick-Disconnect, Large GM	1
1-27480	Adapter, Ford	1
1-27580	Adapter, GM	1
1-27680	Adapter, Quick-Disconnect, GM/Ford	1
1-285	Beaker, Disposable 5oz.	2
EAA0157C00A	Recovery Tank Assembly (R-12)	1
EAA0158C00A	Recovery Tank Assembly (R-134a)	1
EAH0013C00A	Gauge Set, R-12	1
EAH0014C01A	Gauge Set, R134a	1
EAK0027C00AS	Kit, Vehicle Adapter O-Ring	1
TEEAC313A	Installation Instructions	1
ZEEAC313A	User's Manual	1

REQUIRED TOOLS: _____

- Safety Goggles
- R-12 Virgin Tank (Supplied by Customer)
- R-134a Virgin Tank (Supplied by Customer)



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.

INSTALLATION INSTRUCTIONS:

1. Cut Straps, and slide the carton off the pallet.
2. Remove all protective cartons from unit and discard.
3. Remove any packing tape and discard.
4. Remove the plastic bag from unit and discard.
5. Remove all protective cartons from unit and discard.
6. Remove the accessories, recovery tank & gauge set boxes and set aside for later use.
7. Getting assistance from someone else, lift the Dual-II just enough to push the bottom pallet from underneath.
8. Unlock the casters.
9. Remove all wrapping from master filters in back of unit. Tighten fittings if loose.
10. Inventory all items using the Parts & Accessories list and inspect for damage.

PARTS & ACCESSORIES SETUP FOR THE R-12 SIDE:

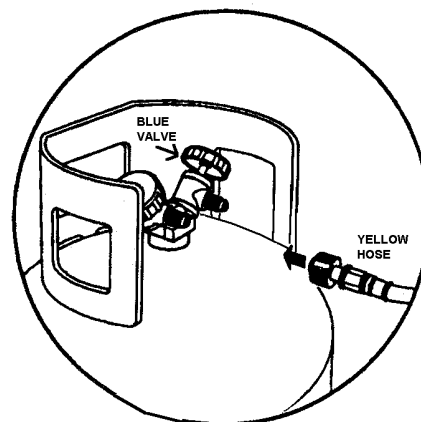
1. Remove the Gauge Set Assembly (EAH0013C00A) from the gauge set box and place on one of the gauge set brackets. (Brackets are part of rear panel.)
2. Remove the Blue and Red Hoses from the gauge set box and **OIL** the seals on each end.
3. Connect the open end of the Blue and Red Hoses to the Gauge Set respectively.
4. Connect the open end of the Yellow hose to the center port of the Gauge Set. Connect the other end with hand valve to the service port on the back of the unit.
5. Remove the Beaker (1-285) and slide it in the holder under the oil drain valve.
6. Place the four GM/FORD adapters in the upper compartment.
7. Remove the User's Manual, MAC Form/Certification, Product Registration Form, and Warranty Registration from the box. Hand these items to the Owner or Manager.
8. Remove Recovery Tank (EAA0157C00A) from its box. Remove cardboard wrap from Recovery Tank. Set on floor in front of unit.

PARTS & ACCESSORIES SETUP FOR THE R-134a SIDE:

1. Remove the Gauge Set Assembly (EAH0014C01A) from the gauge set box and place on the other gauge set bracket.
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. Connect the open end of the Yellow hose to the center port of the Gauge Set. Connect the other end with hand valve to the service port on the back of the unit.
5. Remove the second Beaker (1-285) and slide it in the holder under the oil drain valve.
6. Connect the Red and Blue adapters (1-27180 and 1-27280) to the Red and Blue Hoses from the Gauge Set respectively.
7. Place the O-Ring Kit (EAK0027C00AS) and Adapter Fitting (1-15080) in the upper compartment.
8. Remove Recovery Tank (EAA0158C00A) from its box. Remove cardboard wrap from Recovery Tank. Set on floor in front of unit.

PREPARING BOTH RECOVERY TANKS: _____

1. Referring to FIGURE 1, open the **BLUE** valve on Recovery Tanks to release ALL COMPRESSED AIR.
2. Gently set the Recovery Tanks on the appropriate scale.
3. Place the elastic strap around each recovery tank so that the bottom of the strap is 3.5" above the tank center weld.
4. Slide the Temperature Probe between the tank and the strap.
5. Identify both blue hoses leading from the gauge sets. Connect the hose end to the blue (liquid) tank ports.

**FIGURE 1 RECOVERY TANK**

- ✓ For R-134a, install the supplied tank adapter 1-15080 between the tank and the service coupler.
6. Open the yellow service hose hand valve, the blue service hose hand valve or R-134a Coupler, and both low-side manifold hand valves.
 7. Turn both vacuum/recycle valves OFF and have both charge valves OFF.
 8. Plug AC Cord to a proper 115VAC outlet.
- ✓ In the unlikely event the LCD screen is unreadable upon power up, adjust LCD contrast. Refer to the users manual for contrast adjustment.
9. Turn the R-12 vacuum/recycle valve to VACUUM. Push the R-12 compressor button to turn ON.
 10. The COMPRESSOR ON indicator flashes, a background check is performed. Then the compressor activates and the indicator will illuminate. The low side manifold gauge shows vacuum increasing.
 11. Turn the R-134a vacuum/recycle valve to VACUUM. Push the R-134a compressor button to turn ON.
 12. The COMPRESSOR ON indicator flashes, a background check is performed. Then the compressor activates and the indicator will illuminate. The low side manifold gauge shows vacuum increasing.
 13. Monitor both low side manifold gauges until a minimum of 25 inches has been reached.
 14. Once completed, close the Recovery Tank valve (**BLUE**). Close the service hose hand valve or R-134a Coupler.
 15. Turn the vacuum/recycle valve to OFF. Press the compressor button to turn OFF.
 16. Remove the blue service hose from the tank
- ✓ For R-134a, remove the tank adapter 1-15080 and place in the storage tray.
17. Identify the yellow hoses leading from the bottom of the unit. Connect both hoses to the appropriate tank purge port. Rotate the tanks so the valves face towards the front of the unit.
 18. Identify the red hoses leading from the bottom of the unit. Connect both hoses with the anti-blowback valve to the red (vapor) valve.
 19. Identify the blue hoses leading from the bottom of the unit. Connect both hoses with the anti-blowback valve to the blue (liquid) valve.
 20. Open both red and blue valves on both tanks.

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

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

NOTE: START THIS PROCEDURE WITH THE R-12 SIDE. DO NOT ATTEMPT TO PERFORM THIS PROCEDURE ON BOTH TANKS AT THE SAME TIME.

1. Plug unit in and allow software to boot.
2. Be sure Recovery Tank valves (B) are closed. Refer to FIGURE 2.
3. Disconnect the Red hose from the Recovery Tank.
4. Disconnect and **Re-Oil** both the seals on Yellow hose (C). Connect the long side of the Yellow Hose to the Virgin Tank (A).
5. Connect the short side of the Yellow 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. Open Hand Valve (D) on the Yellow Hose to allow the refrigerant to flow. Gravity and vacuum will transfer the liquid refrigerant to the Recovery Tank faster than reclaiming it.
21. Refer to the LCD Display to view the amount of refrigerant that has been transferred.

✓ DO NOT OVER CHARGE TANK. SAFE AMOUNT TO RECYCLE / CHARGE IS AROUND 17 LBS.

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).
12. **Re-Oil** seal on Yellow Hose and connect to service port on side of unit **Marked Recycle**. Open Hand Valve on Yellow Hose.
13. 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.) Do not overcharge the tank. Maximum amount is 24 Lbs.
14. Once complete, turn the 3-way valve and compressor switch to OFF. Disconnect Yellow Hose from Virgin Tank.
15. **Re-Oil** seals on Yellow Hose and connect to center port on Gauge Set.

REPEAT THE "PRE-CHARGING RECOVERY TANK" FOR OTHER RECOVERY TANK!

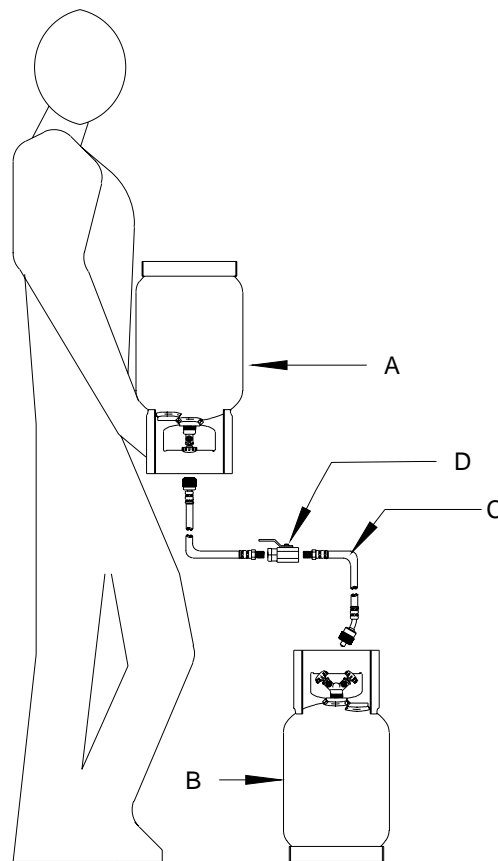


FIGURE 2 CHARGING TANK

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