


SPX ROBINAIR

Operating Manual

Serial # 165969
Date Code 1205



34724  Filter part #
available at Carquest, NAPA, Advance

Model 34700Z / 17700Z
Recovery, Recycling, Recharging Unit

SPX**ROBINAIR**

Model 34700Z / 17700Z
 Recovery, Recycling, & Recharging Unit

SAFETY DEFINITIONS: Follow all **WARNING**, **CAUTION**, **IMPORTANT**, and **NOTE** messages in this manual. These messages are defined as follows: **WARNING** means you may risk serious personal injury or death; **CAUTION** means you may risk personal injury, property damage, or unit damage; **IMPORTANT** means you may risk unit damage; and **NOTES** and **OPERATING TIPS** provide clarity and helpful tips. These safety messages cover situations ROBINAIR is aware of. ROBINAIR cannot know, evaluate, and advise you as to all possible hazards. You must verify that conditions and procedures do not jeopardize your personal safety.

DISCLAIMER: Information, illustrations, and specifications contained in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without obligation to notify any person or organization of such revisions or changes. Further, ROBINAIR shall not be liable for errors contained herein or for incidental or consequential damages (including lost profits) in connection with the furnishing, performance, or use of this material. If necessary, obtain additional health and safety information from the appropriate government agencies and the vehicle, refrigerant, and lubricant manufacturers.

⚠️ WARNINGS ⚠️



ALLOW ONLY QUALIFIED PERSONNEL TO OPERATE THE UNIT. Before operating the unit, read and follow the instructions and warnings in this manual. The operator must be familiar with air conditioning and refrigeration systems, refrigerants, and the dangers of pressurized components. If the operator cannot read English, operating instructions and safety precautions must be read and discussed in the operator's native language.

—Si el operador no puede leer inglés, las instrucciones de operación y las precauciones de seguridad deberán leerse y comentarse en el idioma nativo del operador.

—Si l'utilisateur ne peut lire l'anglais, les instructions et les consignes de sécurité doivent lui être expliquées dans sa langue maternelle.



PRESSURIZED TANK CONTAINS LIQUID REFRIGERANT. Do not overfill the internal storage vessel, because overfilling may cause explosion and personal injury or death. Do not recover refrigerants into nonrefillable containers; use only federally authorized refillable containers (DOT spec. 4BW or 4BA).



HOSES MAY CONTAIN LIQUID REFRIGERANT UNDER PRESSURE. Contact with refrigerant may cause personal injury. Wear protective equipment, including safety goggles. Disconnect hoses using extreme caution.



DO NOT BREATHE REFRIGERANT AND LUBRICANT VAPOR OR MIST. Exposure may cause personal injury, especially to the eyes, nose, throat, and lungs. Use the unit in locations with mechanical ventilation that provides at least four air changes per hour. If accidental system discharge occurs, ventilate the work area before resuming service.



DO NOT USE AN EXTENSION CORD. An extension cord may overheat and cause fire. If you must use an extension cord, use the shortest possible cord with a minimum size of 14 AWG.

TO REDUCE THE RISK OF FIRE, do not use the unit in the vicinity of spilled or open containers of gasoline or other flammable substances.



DO NOT USE COMPRESSED AIR TO PRESSURE TEST OR LEAK TEST THE UNIT OR VEHICLE AIR CONDITIONING SYSTEM. Some mixtures of air and R-134a refrigerant are combustible at elevated pressures. These mixtures are potentially dangerous and may result in fire or explosion causing personal injury or property damage.



USE THE 34700Z UNIT WITH R-134a REFRIGERANT ONLY. The unit is designed to recover, recycle, and recharge only R-134a refrigerant. Do not attempt to adapt the unit for another refrigerant. Do not mix refrigerant types through a system or in the same container; mixing of refrigerants will cause severe damage to the unit and the vehicle air conditioning system.



USE THE 17700Z UNIT WITH R-12 REFRIGERANT ONLY. The unit is designed to recover, recycle, and recharge only R-12 refrigerant. Do not attempt to adapt the unit for another refrigerant. Do not mix refrigerant types through a system or in the same container; mixing of refrigerants will cause severe damage to the unit and the vehicle air conditioning system.



HIGH VOLTAGE ELECTRICITY INSIDE THE UNIT HAS A RISK OF ELECTRICAL SHOCK. Exposure may cause personal injury. Disconnect the power before servicing the unit.

OPERATING NOTE: At temperatures exceeding 120° F / 49° C, wait 10 minutes between recovery jobs.

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CAUTION: This manual contains important safety procedures concerning the operation, use, and maintenance of this product. Failure to follow the instructions contained in this manual may result in serious injury.

If you are unable to understand the contents of this manual, please bring it to the attention of your supervisor. Do NOT operate this equipment unless you have read and understood the contents of this manual.

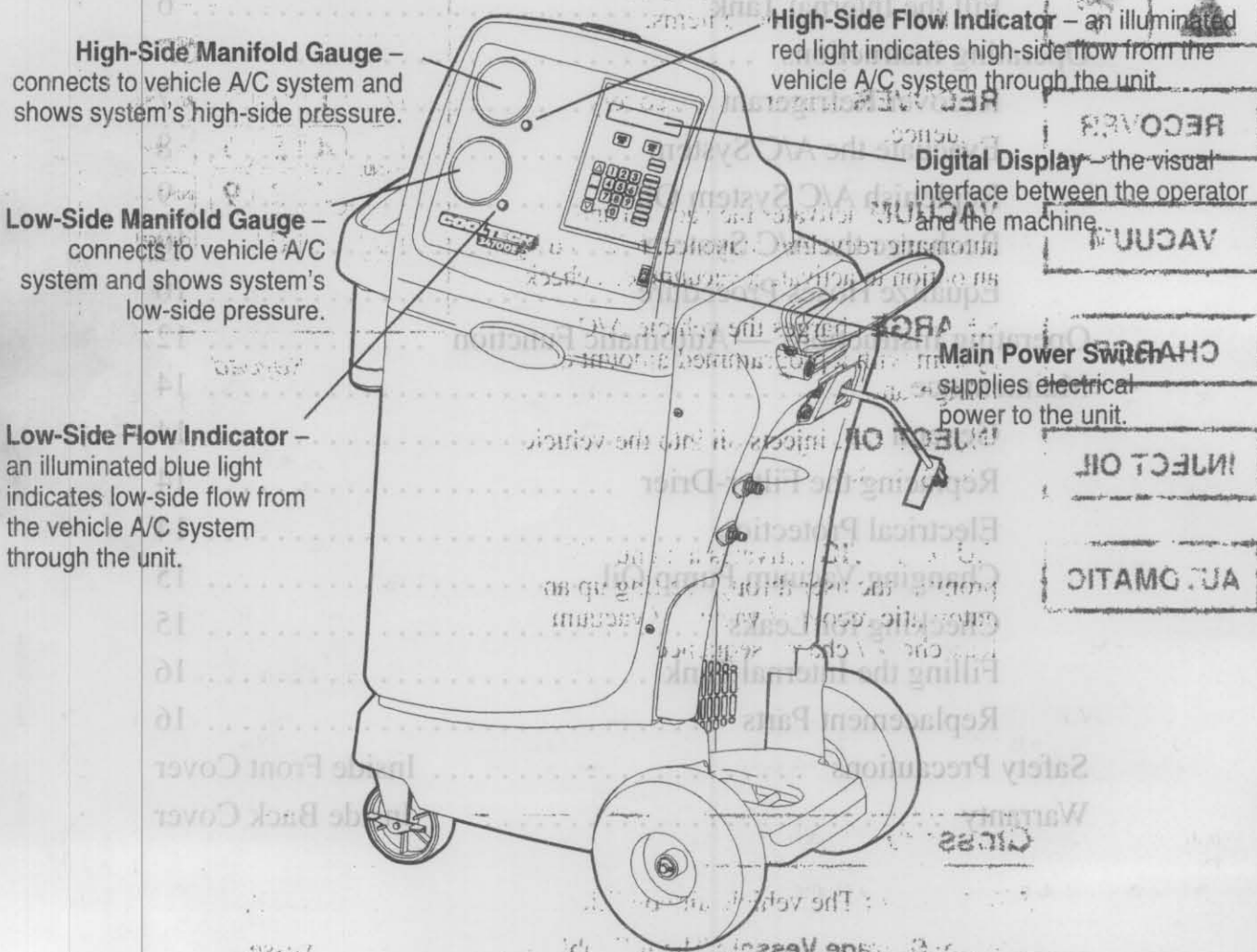
Introduction

The 34700Z model is used on R-134a vehicles; the 17700Z model is used on R-12 vehicles. Both models are designed to be compatible with existing service equipment and standard service procedures.

Both models are UL-listed, single-pass systems that meet SAE specifications for recycled refrigerant. Follow the SAE-J2210 recommended service procedure for the containment of R-134a; follow the SAE-J1991 recommended service procedure for the containment of R-12.

The unit includes a 6 cfm (142 l/m) Robinair high vacuum pump for fast thorough evacuation. The recovery compressor is *not* a vacuum pump. The compressor pulls the A/C system to a partial vacuum only; use the unit's vacuum cycle to remove moisture from the A/C system. (We recommend a minimum 15-minute vacuum, or follow the vehicle manufacturer's recommendation.)

Note : R-134a systems require special oils. Refer to the A/C system manufacturer's service manual for oil specifications.



Technical Specifications

Voltage	115V, 60 Hz	Pump Free-Air Displacement	6 cfm (142 l/m)
Operating Range	50° to 120° F (11° to 49° C)	Dimensions	50" H x 34" W x 23" D (127 cm x 86.4 cm x 58.4 cm)
Filter-Drier	43 cu. in. spin-on type		

Keypad Functions



START / YES begins or resumes a function, or answers a query.



STOP / NO terminates or pauses a function, or answers a query.



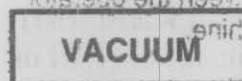
MENU displays the selection menu.



UP or **DOWN** arrows are used for scrolling through menu items.



RECOVER activates the recovery sequence.



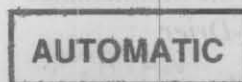
VACUUM activates the vacuum and automatic recycling sequence, followed by an option to activate a vacuum leak check.



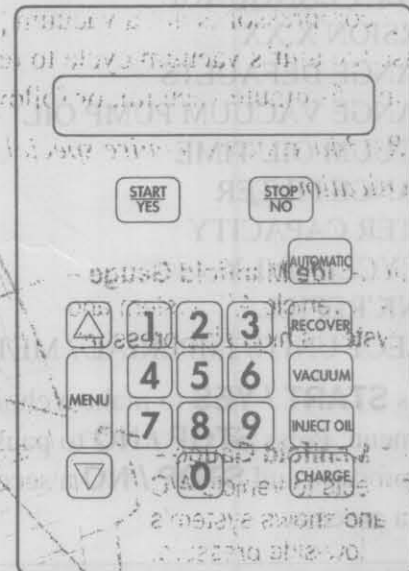
CHARGE charges the vehicle A/C system with a programmed amount of refrigerant.



INJECT OIL injects oil into the vehicle A/C system.



AUTOMATIC activates a menu which prompts the user through setting up an automatic recover / vacuum / vacuum leak check / charge sequence.



Keypad

Glossary

A/C System : The vehicle air conditioning system being serviced.

Internal Storage Vessel : The refillable refrigerant storage vessel designed specifically for this unit; 30 lb. (14 kg).

Source Tank : A disposable tank of new refrigerant used to refill the internal storage vessel; not included.

Unit : The 34700Z or the 17700Z.

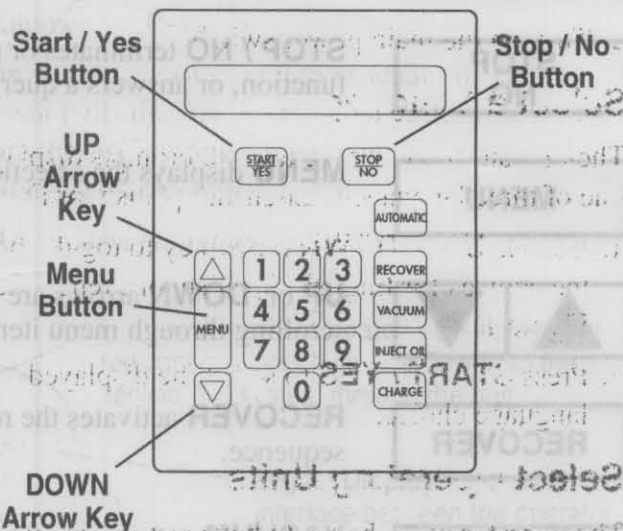
Introduction

Menu Functions

1. Press the **MENU** button on the keypad.
2. Press the **UP** or **DOWN** arrow key to scroll through the menu choices shown on the second line of the display :

SELECT LANGUAGE
VERSION X.XX
CHANGE DEFAULTS
CHANGE VACUUM PUMP OIL
VACUUM OIL TIME
CHANGE FILTER
FILTER CAPACITY
RECYCLE ONLY
TANK REFILL
SELECT UNITS IMPERIAL / METRIC

3. Press **START / YES** to make a choice from the menu. Press **STOP / NO** to pause during any process, and **STOP / NO** a second time to exit a process.



Menu Choice : Select Language

Operator may choose to have prompts displayed in one of three languages : English, Spanish, or French.

Menu Choice : Version X.XX

Displays the revision level of the software in the unit.

Menu Choice : Change Defaults

For service center use only.

Menu Choice : Change Vacuum Pump Oil

For maximum vacuum pump performance, change vacuum pump oil after every 10 hours of operation. Refer to the instructions outlined in the Maintenance section under *Changing Vacuum Pump Oil*.

Menu Choice : Vacuum Oil Time

Displays how long the vacuum pump has operated since the last oil change. The display resets to zero after a vacuum pump oil change has been completed. Refer to the instructions outlined in the Maintenance section under *Changing Vacuum Pump Oil*.

Menu Choice : Select Units

Operator may choose to have test results displayed in Imperial (English) or Metric units.

Menu Choice : Change Filter

The filter-drier removes acid, particulates, and moisture from the refrigerant. Change the filter-drier after 150 lbs. (68 kg) of refrigerant has been filtered. Refer to the instructions outlined in the Maintenance section under *Replacing the Filter-Drier*.

Menu Choice : Filter Capacity

Displays how many pounds or kilograms of refrigerant have been recovered since the last filter change. The display resets to zero after a filter-drier change. Refer to the instructions outlined in the Maintenance section under *Replacing the Filter-Drier*.

Menu Choice : Recycle Only

Manual recycling may be necessary if excessive air and/or moisture has been recovered from the vehicle A/C system.

Menu Choice : Tank Refill

This menu item is used to transfer refrigerant from the source tank to the internal storage vessel (ISV). Refer to the instructions outlined in the Maintenance section under *Filling the Internal Tank*.

The first time the unit is powered up, it will display the initial setup mode.

1. Connect the power cord to the back of the unit, and plug the other end into a correct voltage outlet.
2. Turn on the main power switch.

Select a Language

The operator may choose to have prompts displayed in one of three languages : English, Spanish, or French.

1. Use the **UP** or **DOWN** arrow key to toggle through the choices for English, Spanish, or French. See Figure 1.
2. Press **START / YES** to select the displayed language choice.

Select Operating Units

The operator may choose to have test results displayed in Imperial (English) units or Metric units.

1. Use the **UP** or **DOWN** arrow key to toggle through the choices for IMPERIAL (English) UNITS or METRIC UNITS.
2. Press **START / YES** to select the displayed operating unit choice.

Add Oil to Vacuum Pump

IMPORTANT : The vacuum pump is shipped without oil in the reservoir. Failure to add oil to the vacuum pump will damage the pump.

1. Remove the plug from the vacuum pump fill port. See Figure 2.
2. Attach the flexible tube and cap to the oil bottle, and pour six (6) ounces of vacuum pump oil into the vacuum pump fill port.
3. Press and release the **START / YES** key. While the vacuum pump is running, slowly add oil until the level rises to the center of the reservoir's sight glass.
4. Press the **STOP / NO** key to stop the vacuum pump, and install the plastic plug in the vacuum pump fill port.

IMPORTANT : R-134a systems have special fittings (per SAE specifications) to avoid cross-contamination with R-12 systems. DO NOT adapt your unit for a different refrigerant — system failure will result.

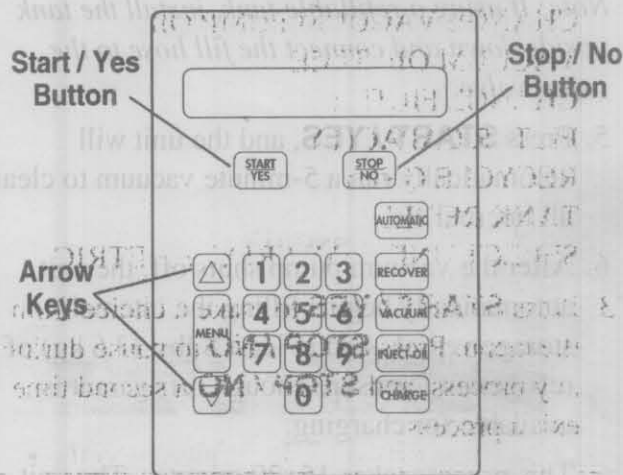


Figure 1
Keypad

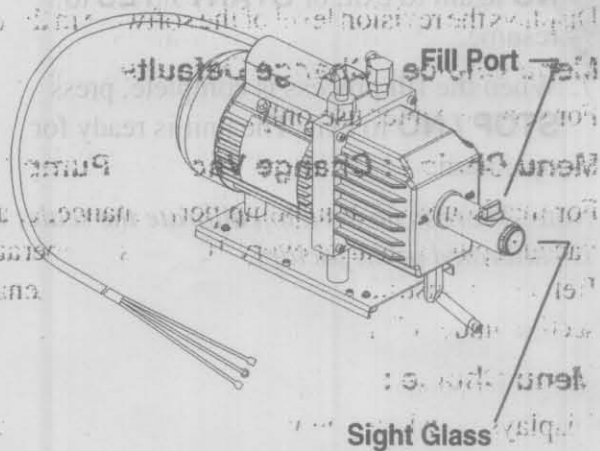


Figure 2
Vacuum Pump

Fill the Internal Tank

1. Connect the service hoses to the unit, and press **START / YES**. See Figure 3.
2. Connect the fill hose to a full source tank.
3. Open the source tank valve.
4. Install the source tank on the unit, and secure the tank using the tank strap.

Note: If using a refillable tank, install the tank upside down and connect the fill hose to the vapor valve.

5. Press **START / YES**, and the unit will automatically run a 5-minute vacuum to clear all internal air.
6. After the vacuum pump shuts off, the unit automatically begins filling the internal storage vessel. Add at least 8 lbs. (3.6 kg) of refrigerant to ensure enough refrigerant is available for charging.

This process takes 15–20 minutes. The unit stops when a sufficient amount of refrigerant has been transferred to the internal tank, or when the source tank is empty.

Press **STOP / NO** to pause. Press **STOP / NO** again to exit, or **START / YES** to resume.

7. When the fill process is complete, press **STOP / NO** to exit. The unit is ready for operation.

Note: There is no need to calibrate the scale; it is calibrated at the factory.

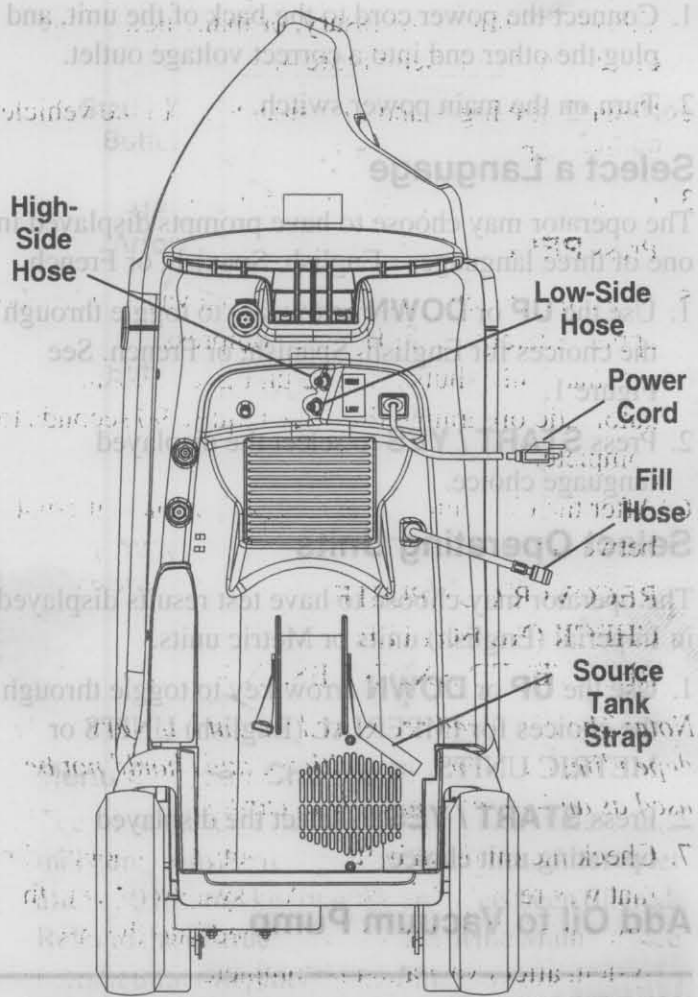


Figure 3
Side View

Recover Refrigerant

1. Empty the oil drain bottle located on the right-hand side of the unit, if necessary, or make note of the current oil level. See Figure 4.
2. Connect the high- and low-side hoses to the vehicle A/C system.
3. Open the coupler valves on the hoses.
4. Press **RECOVER**.
5. When the system has recovered to a vacuum level of approximately 13 in. Hg, the compressor automatically shuts off. The unit goes into an automatic oil drain—this may require 90 seconds to complete.

6. After the oil drain is complete, the display alternates between:

RECOVER COMPLETE
CHECK OIL BOTTLE
RECOVERED XX.XX LBS. (X.XX KG)

Note: The displayed recovered weight can vary depending on ambient conditions, and should not be used as an indicator of scale accuracy.

7. Check the oil drain bottle, and note the amount of oil that was removed from the A/C system. This is the amount of oil that must be charged into the A/C system after evacuation is complete.
8. A pressure rise may occur if there was freezing in the A/C system during recovery.

To ensure complete recovery of refrigerant, the unit will automatically wait 5 minutes and monitor for a rise in pressure above 0 in. Hg.

If a rise occurs, the unit will repeat the recovery process, and wait another 2 minutes for a pressure rise above 0 in. Hg.

The unit will continue to recover and wait until it maintains a vacuum for 2 minutes.

Note: The high- and low-side lights on the control panel will remain ON until the recovery is complete.

9. Press **STOP / NO** to exit.

Recovery is complete. You are now ready to make repairs to the A/C system, if necessary, or advance to the evacuation process.



Figure 4

Operating Tips

- After selecting the **RECOVER** function, if system pressure is below 25 psi, the display reads

LOW SYSTEM PRESSURE

until pressure increases, or the **START / YES** button is pressed. Verify the high- and low-side hoses are connected and the coupler valves are open. Press **STOP / NO** to exit at this point.

- After selecting the **RECOVER** function, if 150 lbs. (68 kg) or more of refrigerant has been recovered since the last filter-drier change, the display reads

FILTER WEIGHT XXX LB (XX KG)
CHANGE FILTER NOW?

Refer to the Filter Change Procedure in Maintenance section of this manual for details regarding replacing the filter.

- After selecting the **RECOVER** function, if the unit has refrigerant in the low-side plumbing, it begins a clearing process and displays

CLEARING IN PROGRESS

If you wish to skip the clearing operation, or stop the clearing prematurely, press **START / YES**.

Operating Instructions

Evacuate the A/C System

1. Ensure service hoses are connected, and the coupler valves are OPEN.
2. Press **VACUUM**.
3. Press **START / YES** to accept the default evacuation time of 15 minutes, or enter the desired vacuum time using the number keys, and press **START / YES**.

The unit pulls a vacuum on the vehicle A/C system to remove any air and boil off any moisture that may be present in the system.

IMPORTANT : Evacuate the system for at least 15 minutes, or follow the A/C system manufacturer's specifications, to ensure adequate moisture and contaminant removal.

4. The unit will give you the option of doing a leak check after evacuation.
Press **START / YES** to perform the leak check.
Press **STOP / NO** to skip the leak check and begin evacuation.
5. The unit evacuates the A/C system and stops when the specified time has elapsed.
Press **STOP / NO** to pause the process. Press **START / YES** to resume, or **STOP / NO** again to exit.

You are now ready to replenish the A/C system oil, if necessary, or to recharge the system with refrigerant.

Operating Tips

- If the vacuum pump has run for 10 or more hours without an oil change, the unit displays

VACUUM OIL TIME XX:XX

CHANGE OIL NOW?

Refer to the Maintenance section of this manual for instructions regarding Changing Vacuum Pump Oil.

- Before the unit begins evacuating the A/C system, it checks for any pressure in the system that might damage the vacuum pump. If pressure is detected, the unit displays

PRESSURE EXISTS
PRESS ANY KEY TO EXIT

Press any key to exit, and recover refrigerant before proceeding.

- If a leak check was selected at the end of vacuum, and a leak is detected, the unit displays

LEAK CHECK FAILED
PRESS ANY KEY TO EXIT

Press any key to exit the evacuation, perform needed repairs, and repeat evacuation.

- To ensure an accurate leak test, it is imperative that a thorough recovery and evacuation of the system has been performed. During the recovery process, cold spots can develop in the automotive system. Pockets of refrigerant in desiccant and in system oil will continue to vaporize as the A/C system temperature equalizes toward ambient. As this occurs, A/C system pressure will increase, which may be interpreted by the unit as a leak.

This will vary somewhat with ambient temperature conditions.

Replenish A/C System Oil

Oil may be replenished through the high side after the vacuum function, or with an oil inject tool after charging the vehicle.

IMPORTANT : To prevent damage to equipment, charge only the amount of oil that was removed from the A/C system during the recovery process. If no oil was removed from the A/C system during recovery, **DO NOT** charge any oil into the A/C system.

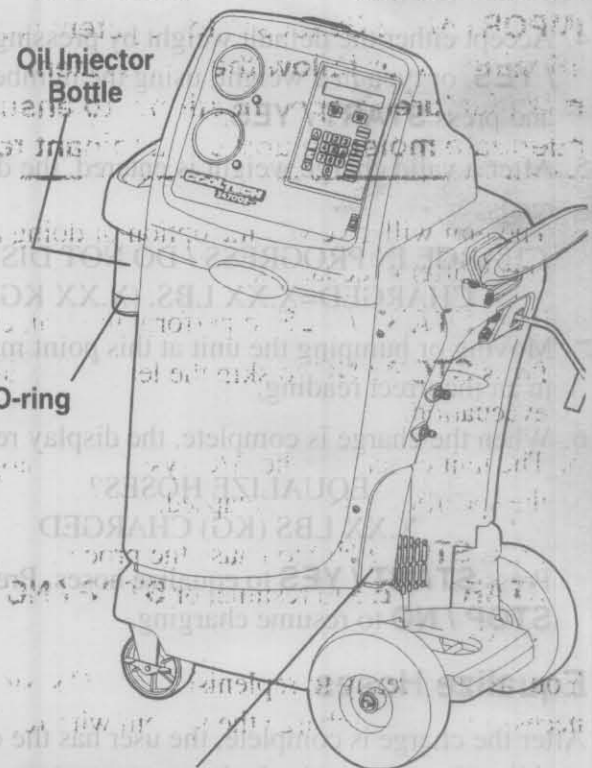
Empty the oil drain bottle before recovering an A/C system to prevent an inaccurate oil charge.

1. Refer to the vehicle service manual to determine the correct oil for the A/C system being serviced.
2. Check the oil drain bottle to determine the amount of oil that was removed. See Figure 5.
3. Adjust the o-ring around the oil injector bottle to the required oil charge level.

For example, if the bottle's oil level is at 4 ounces, and you need 1/2 ounce of oil to replenish the A/C system, place the o-ring at the 3-1/2 ounce level.

4. Attach the oil injector bottle to the unit.
5. Press the **INJECT OIL** button. The unit looks for pressure in the hoses, and temporarily displays **EQUALIZING PRESSURE**.
6. When prompted, press and hold **INJECT OIL** until the oil level in the oil injector bottle reaches the o-ring.
7. Press **STOP / NO** after the oil inject is complete to recharge the system with refrigerant. The display will prompt into the charge mode. (Charge mode after injecting oil will only allow a high-side charge.)

Note: You must recharge the A/C system with refrigerant at this time to ensure all the oil is delivered.



Oil Drain Bottle

Figure 5

Recharge the A/C System

If an oil inject has already been performed, you may skip steps 1 and 2.

1. Press **CHARGE**.
2. Select **START / YES**, to perform an oil inject; select **STOP / NO** to skip the oil inject.
3. Press **CHARGE** to toggle between a high-side or low-side charge.

Note: Charge mode after injecting oil will only allow a high-side charge.

4. Accept either the default weight by pressing **START / YES**, or type in a weight, using the number keys, and press **START / YES**.
5. After a valid charge weight is entered, the display reads

CHARGE IN PROGRESS / DO NOT DISTURB
CHARGED=X.XX LBS. (X.XX KG)

Moving or bumping the unit at this point may result in an incorrect reading.

6. When the charge is complete, the display reads

EQUALIZE HOSES?
X.XX LBS (KG) CHARGED

Press **START / YES** to equalize hoses. Press **STOP / NO** to resume charging.

Equalize Hoses

After the charge is complete, the user has the option to equalize the pressure in the hoses to ensure a more accurate charge. If the pressure in the high side and low side is not equal after charge, then it may be necessary to follow this procedure to ensure all the liquid refrigerant trapped in the service hoses is transferred to the vehicle A/C system.

1. After the charge is complete, the user has the option to equalize the pressure in the hoses.

Selecting **START / YES** prompts the user through the **EQUALIZE HOSES** procedure.

Select **STOP / NO** to resume charging.

2. Close the high-side coupler valve.

Operating Tips

After selecting the **CHARGE** function and entering a desired weight, if the weight entered will leave less than 3 lbs. (1.36 kg) of refrigerant in the internal tank after charge, the charge function will not start. The display reads

INSUFFICIENT REFRIG.
PRESS ANY KEY TO EXIT

Refer to the Maintenance section of this manual for instructions on Refilling the Internal Tank.

Slow Charge Procedure

If, during the **CHARGE** cycle, the weight fails to charge 0.05 lbs. (0.02 kg) in 30 seconds, it may be necessary to use the vehicle to pull the charge into the A/C system. The unit "beeps" while the display alternates between

CHARGE HAS SLOWED
RETRY? (YES/NO)

1. If **START / YES** is pressed, the unit will ask if you want to use the vehicle to pull in the charge.

Selecting **START / YES** will prompt the user through the slow charge procedure.

Selecting **STOP / NO** will resume charging.

2. Place the vehicle gear selector in park or neutral, with the emergency brake ON.

3. Start the vehicle. Set the A/C system to its maximum setting.

4. Press **START / YES**. The unit charges out of the low-side inlet only, allowing the vehicle's compressor to pull the refrigerant into the A/C system. When the charge is complete, the display shows

EQUALIZE HOSES?
X.XX LBS (KG) CHARGED

Equalize Hoses contd.

- Place the vehicle gear selector in park or neutral, with the emergency brake ON.
- Start the vehicle. Set the A/C system to its maximum setting.
- Press **START / YES**. The unit internally connects the low- and high-side hoses, allowing the vehicle's compressor to pull the refrigerant into the A/C system. When the charge is complete, the display shows

CLEAR COMPLETE
X.XX LBS.(KG) CHARGED

- Close the low-side coupler valve. Remove the service hoses from the A/C system. Shut OFF the vehicle.

The A/C system is now ready for use.

Operating Tips

If complete recovery will take less than 3 lbs (1.36 kg) of refrigerant in the internal tank after charge, the charge function will not start. The display reads

INSUFFICIENT REFRIG
PRESS ANY KEY TO EXIT

Refer to the Maintenance section of this manual for instructions on Refilling the Internal Tank.

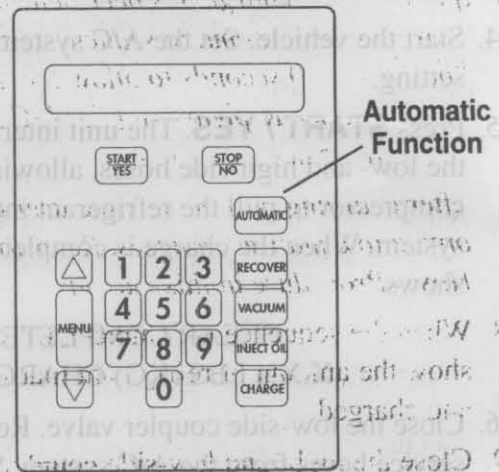
WARNING : To prevent personal injury, verify the vehicle is in park or neutral with the emergency brake ON before starting the engine. Never run a vehicle without adequate ventilation in the work area.

Operating Instructions – Automatic

The automatic function allows a user to program an automatic recovery, vacuum, leak test, and / or charge sequence. The user may choose to skip any step in the automatic operation during the programming. A total automatic sequence may take an hour to complete.

Note: Oil recovered during the recovery cycle can be injected by the user before the charge cycle, or can be manually injected into the vehicle after charge using a separate oil injection tool.

1. Connect the high- and low-side service hoses to the A/C system, and open the coupler valves on the hoses.
2. Press **AUTOMATIC**.
3. The unit will ask if a recovery is needed.
Press **STOP / NO** to skip the recovery cycle.
Press **START / YES** to accept.
4. The unit will ask if vacuum is needed for evacuation.
Press **STOP / NO** to skip the vacuum cycle.
Press **START / YES** to accept.
If **START / YES** is selected, press the **START / YES** key again to accept the default evacuation time of 15 minutes, or enter the desired evacuation time by using the number keys, and press **START / YES** again.
5. If vacuum has been selected, the unit will ask if a leak check is needed.
Press **STOP / NO** to skip the leak check.
Press **START / YES** to accept.
6. The unit will ask if a charge is needed.
Press **STOP / NO** to skip the charge cycle.
Press **START / YES** to accept a charge. Press **CHARGE** to toggle between high- or low-side charge, or both.
Accept either the default weight by pressing **START / YES**, or type in a desired weight using the number keys, and then press **START / YES**.
7. The display will show an overview of all the tests that were selected. Press **START / YES** to begin the automatic sequence.



Operating Tips

If the weight entered will leave less than 3 lbs. (1.36 kg) of refrigerant in the internal tank after charge, the charge function will not start. The display reads

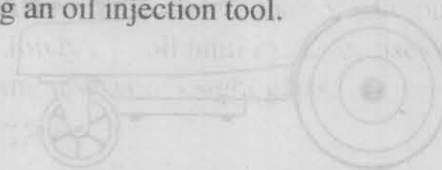
INSUFFICIENT REFRIG.
PRESS ANY KEY TO EXIT

Refer to the Maintenance section of this manual for instructions on Refilling the Internal Tank.

Automatic Function contd.

Note :

- If a high-side charge has been selected, before charging, the automatic sequence will pause and “beep” for 30 seconds to allow the user to inject oil, if desired. See *Replenishing the A/C System Oil* instructions in this manual.
- After charging is complete, the user also has the option to equalize the hoses. Refer to the *Equalize Hoses Procedure* in this manual.
- 8. When the sequence is complete, the display will show the amount of refrigerant that was recovered and charged.
- 9. Close the high- and low-side coupler valves, and remove the service hoses from the A/C system.
- 10. If any oil was recovered during the recovery cycle, and the user did not inject oil before the charge cycle, manually inject oil into the A/C system at this time using an oil injection tool.



Operating Tips

Operating Tips

- If problems are encountered during the automatic sequence, the unit will “beep” three times, and the control panel readout will pinpoint the problem encountered. The sequence will remain paused until the user enters a decision regarding how to proceed.

- Before the unit begins evacuating the A/C system during the automatic sequence, it checks for any pressure in the system that might damage the vacuum pump. If pressure is detected, the unit displays

**PRESSURE EXISTS
PRESS ANY KEY TO EXIT**

Press any key to exit the automatic sequence.

- If a leak check was selected at the end of vacuum, and a leak is detected, the unit displays

LEAK CHECK FAILED

PRESS STOP TO EXIT

PRESS START TO CONTINUE

Press stop to exit the automatic sequence and perform needed repairs. Press start to continue the automatic sequence despite the failed leak check.

- To ensure an accurate leak test, it is imperative that a thorough recovery and evacuation of the system has been performed. During the recovery process, cold spots can develop in the automotive system. Pockets of refrigerant in desiccant and in system oil will continue to vaporize as the A/C system temperature equalizes toward ambient. As this occurs, A/C system pressure will increase, which may be interpreted by the unit as a leak.

This will vary somewhat with ambient temperature conditions.

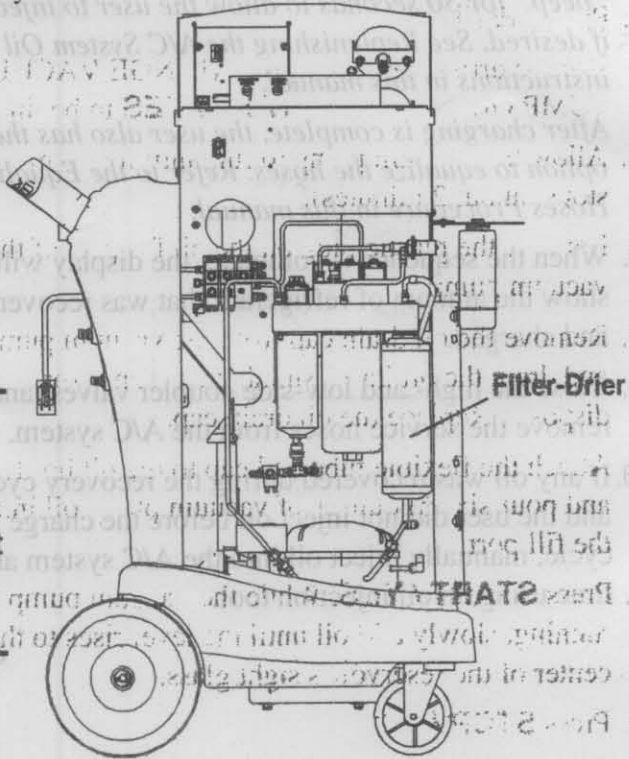
General Maintenance

1. On a regular basis, wipe off the unit using a clean cloth to remove grease and dirt.
2. Periodically check internal components for leaks; over time, fittings can loosen as the unit is moved. Open the door panel, and trace lines using a leak detector. Check connections on the back of the unit also. Tighten any loose fittings or connections you may find.

Replacing the Filter-Drier

The filter-drier on this unit is designed to trap acid and particulates, and to remove water from refrigerant. Change the filter-drier after every 150 lbs. (68 kg) of refrigerant has been recycled to ensure adequate moisture and contaminant removal. (The unit will prompt the user to change the filter-drier after 150 lbs. of refrigerant has been recycled.)

IMPORTANT : For best results, use Robinair filter-driers. All performance tests and claims are based on using the filter-drier specified for this unit. Using a different filter-drier may affect the performance of the unit and test results. Order Robinair No. 34724.



Rear View (without shroud)

Operating Tips

The menu item **FILTER CAPACITY** displays how many pounds or kilograms of refrigerant have been recovered since the last filter change :

FILTERED=XXX LBS (KG).

The amount filtered resets to zero after a the filter-drier has been changed.

1. Press **MENU**.
2. Scroll through the menu to **CHANGE FILTER**, and press **START / YES**. The unit will begin clearing the filter.
3. When clearing is complete, the display reads **TURN UNIT OFF AND REPLACE FILTER**. Turn OFF main power, and unplug the machine.
4. Open the unit door, and replace the old filter with a new filter.
5. Close the unit door, plug in the machine, and turn ON main power.

The filter-drier change is now complete.

Electrical Protection

The unit is equipped with two circuit breakers (15 amp and 3 amp) on the back panel. If either breaker trips, its button will pop out. A tripped 3 amp breaker will render the fan inoperable; a tripped 15 amp breaker will cause the unit to lose all power.

Press the circuit breaker button to reset.

Inspect the unit periodically for leaks. The manufacturer does not reimburse for lost refrigerant.

Changing Vacuum Pump Oil

For maximum vacuum pump performance, change the vacuum pump oil after every 10 hours of operation. The unit will prompt the user to perform a vacuum pump oil change after 10 hours of operation.

1. Press **MENU**.
2. Use the arrow keys to select **CHANGE VACUUM PUMP OIL**, and press **START/YES** to begin.
3. Allow the vacuum pump to run until it automatically stops (about 2 minutes).
4. Remove the plastic plug on the oil fill port of the vacuum pump.
5. Remove the oil drain cap from the vacuum pump, and drain the oil into a suitable container for disposal. Replace the oil drain cap.
6. Attach the flexible tube and cap to the oil bottle, and pour six (6) ounces of vacuum pump oil into the fill port.
7. Press **START/YES**. While the vacuum pump is running, slowly add oil until the level rises to the center of the reservoir's sight glass.
8. Press **STOP/NO**.
9. Replace the plastic plug on the fill port.

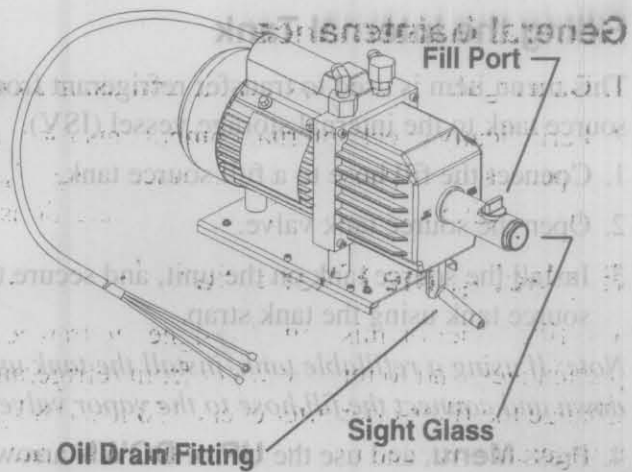
The unit is now ready for operation.

Checking for Leaks

Check the unit for leaks every three months, or as specified by local or state laws.

1. Turn off **MAIN POWER**.
2. Disconnect the power cord from the outlet.
3. Open the rear door.
4. Remove the top cover and front panel.
5. Use a leak detector to probe all connections for refrigerant leaks. Tighten fittings if a leak is indicated.
6. Reassemble the body panels, and close the rear door.

Inspect the unit periodically for leaks. The manufacturer does not reimburse for lost



Operating Tips

The menu item **VACUUM OIL TIME** displays how long the vacuum pump has operated since the last oil change.

OIL TIME: XX:XX
The time resets to zero after a vacuum pump oil change has been completed.

Review current local, state, and federal statutes, cases, laws, and regulations to determine the correct disposal procedure for pump oil. It is the responsibility of the user to determine if a material is a hazardous waste at the time of disposal. Ensure you are in compliance with all applicable laws and regulations.

Filling the Internal Tank

This menu item is used to transfer refrigerant from the source tank to the internal storage vessel (ISV).

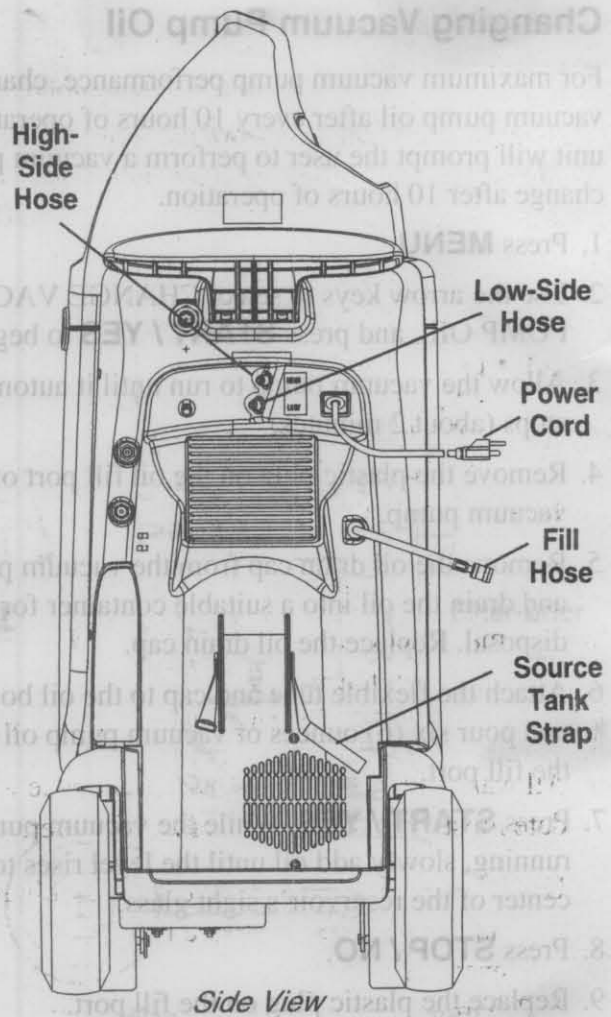
1. Connect the fill hose to a full source tank.
2. Open the source tank valve.
3. Install the source tank on the unit, and secure the source tank using the tank strap.

Note: If using a refillable tank, install the tank upside down and connect the fill hose to the vapor valve.

4. Press **Menu**, and use the **UP** or **DOWN** arrow keys to select TANK REFILL.
5. Press **START / YES**, and the unit will automatically fill the internal storage vessel until it contains 15 lbs. of refrigerant, or until the source tank is empty.
Press **STOP / NO** to pause. Press **STOP / NO** again to exit, or **START / YES** to resume.

Note : If a refrigerant source tank remains connected to the unit during normal operation, the correct amount of refrigerant will be automatically maintained in the ISV. The ISV may be manually refilled, if necessary.

6. When the fill process is complete, press **STOP / NO** to exit. The unit is ready for operation.



Replacement Parts

Component	34700Z Replacement Part No.	17700Z Replacement Part No.
96" Red Hose	63096	68396A
96" Blue Hose	62121	68296A
Filter-Drier	34724	34724
Low-Side Coupler	18190A	
High-Side Coupler	18191A	
Vacuum Pump Oil (case of 12 quarts)	13203	13203
Vacuum Pump Oil (case of 4 gallons)	13204	13204
Maintenance Kit	13172	13172

Robinair Limited Warranty Statement

Rev. November 1, 2005

This product is warranted to be free from defects in workmanship, materials, and components for a period of one year from date of purchase. All parts and labor required to repair defective products covered under the warranty will be at no charge. The following restrictions apply:

1. The limited warranty applies to the original purchaser only.
2. The warranty applies to the product in normal usage situations only, as described in the Operating Manual. The product must be serviced and maintained as specified.
3. If the product fails, it will be repaired or replaced at the option of the manufacturer.
4. Transportation charges for warranty service will be reimbursed by the factory upon verification of the warranty claim and submission of a freight bill for normal ground service. Approval from the manufacturer must be obtained prior to shipping to an authorized service center.
5. Warranty service claims are subject to authorized inspection for product defect(s).
6. The manufacturer shall not be responsible for any additional costs associated with a product failure including, but not limited to, loss of work time, loss of refrigerant, cross-contamination of refrigerant, and unauthorized shipping and/or labor charges.
7. All warranty service claims must be made within the specified warranty period. Proof-of-purchase date must be supplied to the manufacturer.
8. Use of recovery/recycling equipment with unauthorized refrigerants or sealants will void warranty.
 - Authorized refrigerants are listed on the equipment or are available through the Technical Service Department.
 - The manufacturer prohibits the use of the recovery/recycling equipment on air conditioning (A/C) systems containing leak sealants, either of a seal-swelling or aerobic nature.

This Limited Warranty does NOT apply if:

- The product, or product part, is broken by accident.
- The product is misused, tampered with, or modified.
- The product is used for recovering or recycling any substance other than the specified refrigerant type. This includes, but is not limited to, materials and chemicals used to seal leaks in A/C systems.

**CONVERSION
TABLE**

OZ.	LBS.
0.5	0.03
1.0	0.06
1.5	0.09
2.0	0.13
2.5	0.16
3.0	0.19
3.5	0.22
4.0	0.25
4.5	0.28
5.0	0.31
5.5	0.34
6.0	0.38
6.5	0.41
7.0	0.44
7.5	0.47
8.0	0.50
8.5	0.53
9.0	0.56
9.5	0.59
10.0	0.63
10.5	0.66
11.0	0.69
11.5	0.72
12.0	0.75
12.5	0.78
13.0	0.81
13.5	0.84
14.0	0.88
14.5	0.91
15.0	0.94
15.5	0.97
16.0	1 lb.



Visit our web site at
www.robinair.com

or
**Call our Toll-Free
Technical Support Line at
1-800-822-5561**

in the continental U.S. or Canada.

In all other locations, contact your local distributor. To help us serve you better, please be prepared to provide the model number, serial number, and date of purchase of your unit.

To validate your warranty, complete the warranty card attached to your unit, and return it within ten days from date of purchase.

NATIONWIDE NETWORK OF AUTHORIZED SERVICE CENTERS

If your unit needs repair or replacement parts, contact the service center in your area. For help in locating a service center, call the toll-free technical support line.

Due to ongoing product improvements,
we reserve the right to change design,
specifications, and materials without notice.

The 34700Z / 17700Z units are designed to meet all applicable agency certifications, including Underwriter's Laboratories, Inc., SAE Standards, and CUL.

Certain state and local jurisdictions dictate that using this equipment to sell refrigerant by weight may not be permitted. We recommend charging for any A/C service by the job performed.

This weight scale provides a means of metering the amount of refrigerant needed for optimum A/C system performance as recommended by OEM manufacturers.



SPX Corporation
655 Eisenhower Drive
Owatonna, MN 55060-0995 USA
Tech Services: 1-800-822-5561
Fax: 1-412-690-2001
Customer Service: 1-800-533-6127
Fax: 1-800-322-2890
Web site: www.robinair.com

SERVICE CENTER LISTING

The following Service Centers are stocked, trained, approved facilities authorized to perform services on Robinair Equipment. If the unit is under warranty, call Robinair Technical Service at 1-800-822-5561. For out-of-warranty repair, call your nearest Service Center.

ALABAMA**Alabaster**

JHT Co. Inc. Automotive Equip. Serv.
1119 Navajo Trail 35007
Toll Free: 888-664-5490
Phone: 205-664-2841
Fax: 205-664-8221

Andalusia

LA Equipment Service & Sales
Zip Code: 36420
Toll Free: 800-385-6644
Phone: 334-285-4059
Fax: 334-285-0864

Decatur

JHT Co. Inc. Automotive Equip. Serv.
1119 Navajo Trail 35007
Toll Free: 888-664-5490
Phone: 205-664-2841
Fax: 205-664-8221

Horton

Miller Sales
335 Covey Lane 35980
Phone: 256-891-0348
Fax: 256-878-6815

Millbrook

LA Equipment Service & Sales
3480 Goree Drive 36054
Toll Free: 800-385-6644
Phone: 334-285-4059
Fax: 334-285-0864

Mobile

GPI Equipment Sales & Service
3107 Springhill Avenue 36607
Phone: 251-479-9434
Fax: 251-479-9442

ARKANSAS**Benton**

Arkansas Onsite Service, Inc.
624 South Third St. 72015
Phone: 501-860-6318
Fax: 501-860-6329

ARIZONA**Gilbert**

Planet Equipment, Inc.
1215 N. Acacia Drive 85233
Phone: 480-844-1437
Fax: 480-844-1457

Phoenix

Tire Equipment Service
Zip Code: 85040
Phone: 602-437-0499
Fax: 602-437-9143

Tucson

Mechanics Tool Service
1301 E. Apache Park Place 85714
Phone: 520-889-8484
Fax: 520-889-6668

CALIFORNIA**Alhambra**

Merced A/C Equip. Service
805 S. Fremont Ave. 91803
Phone: 626-293-5710
Fax: 626-289-1196

Anaheim

SSP Equipment
1230 N. Jefferson Unit R 92807
Toll Free: 800-352-4404
Phone: 714-666-2210
Fax: 714-666-2631

Bakersfield

GWS Automotive
2331 Driver Rd 93312
Phone: 661-588-8090
Fax: 661-588-8092

Benicia

Metronics
505 Union Court 94510
Phone: 707-745-5381
Fax: 707-745-6504

Encinitas

SSP Equipment
Satellite 92024
Toll Free: 800-352-4404
Phone: 714-666-2210
Fax: 714-666-2631

Fresno

Industrial Electrical Co.
2970 North Sunnyside #106 93727
Phone: 559-292-4714
Fax: 559-292-5939

Manteca

Knox Equipment Sales & Service
1169 South Mainstreet #293 95337
Toll Free: 800-783-0065

National City

Bay System Inc.
303 West 35th St., Suite B 91950
Phone: 619-420-4495
Fax: 619-420-4496

Ontario

SSP Equipment
Satellite 91761
Toll Free: 800-352-4404
Phone: 714-666-2210
Fax: 714-666-2631

Paso Robles

Long Equipment
5350 Blossom Lane 93446
Phone: 805-227-6247
Fax: 805-227-6287

Riverside

Plaza Automotive
7564 Indiana Ave. 92504
Phone: 909-688-7300
Fax: 909-688-7310

Sacramento

Bill's Hydraulic Jack Service
5753 Auburn Blvd #7 95841
Phone: 916-338-3888
Fax: 916-331-2166

San Diego

AAA Radiator Warehouse
1030 17th St. 92101
Phone: 619-233-3370
Fax: 619-233-0222

San Francisco

Metronics
301 Baltimore Way 94112
Phone: 415-585-0517
Fax: 415-334-6389

San Jose

All-Marr
1705 Hydrangea Lane 95124
Phone: 408-265-3831
Fax: 408-979-0153

Santa Clara

Central Equipment
3285 Edward Ave. 95054
Phone: 408-844-9300
Fax: 408-844-9301

Van Nuys

Merced A/C Equip. Service
Satellite 91406
Phone: 626-293-5710
Fax: 626-289-1196

COLORADO**Colorado Springs**

Automotive Equipment & Supply
2625 East St. Vrain St. #AA 80909
Toll Free: 800-971-0924
Phone: 303-373-0377
Fax: 303-373-1170

Colorado Springs

Rocky Mountain CFC Equip. Serv., Inc.
Satellite 80901
Toll Free: 800-626-3266
Phone: 303-287-2607
Fax: 303-287-2612

Denver

Rocky Mountain CFC Equip. Serv., Inc.
851 B-7 Highway 224 80229
Toll Free: 800-626-3266
Phone: 303-287-2607
Fax: 303-287-2612

Fort Collins

Rocky Mountain CFC Equip. Serv., Inc.
Satellite 80527
Toll Free: 800-626-3266
Phone: 303-287-2607
Fax: 303-287-2612

CONNECTICUT**Hamden**

Baltimore Electronics, Inc.
5 Manila Ave. 06514
Phone: 203-248-7553
Fax: 203-248-4896

FLORIDA**Ft. Lauderdale**

Broward Hydraulic Service
3907 SW 12th Court 33312
Phone: 954-583-2504
Fax: 954-583-3265

Jacksonville

Lloyd Powell Repair & Sales
10051 Taylor Field Rd. 32222
Phone: 904-771-2564
Fax: 904-908-9979

Kissimmee

Commercial Service & Repair
7888 W. Irls Bronson Mem. Hwy.
Zip Code: 34741
Toll Free: 800-394-4822
Phone: 813-872-2793
Fax: 813-870-6349

Lehigh Acres

A & I Specialties
1581 Gretchen Ave. 33971
Toll Free: 1-866-554-5100
Phone: 239-368-5100
Fax: 239-368-4101

Miami

AA Auto Equipment
14260 SW 136th St. 33155
Toll Free: 1-888-454-2928
Phone: 305-969-0999
Fax: 305-969-0929

Orlando

Commercial Service & Repair
300 W. Gore Street 32806
Toll Free: 800-394-4822
Phone: 813-872-2793
Fax: 813-870-6349

Sarasota

A & I Specialties
Zip Code: 34239
Phone: 239-368-5100
Fax: 239-368-4101

Tampa

Commercial Service & Repair
4702 N. Clark Ave. 33614
Toll Free: 800-394-4822
Phone: 813-872-2793
Fax: 813-870-6349

West Palm Beach

AA Auto Equipment
Zip Code: 33406
Toll Free: 1-888-454-2928
Phone: 305-969-0999
Fax: 305-969-0929

Service Center Listing

Youngstown

Heindel Industrial Electronics
PO Box 311 32466
Phone: 850-265-4043
Fax: 850-265-4043

GEORGIA

Macon

Automotive Equipment Specialists
817 Hwy. 49 North 31211
Toll Free: 1-800-844-5930
Phone: 478-781-9448
Fax: 478-781-2250

Marietta

Century Tool & Machine
819 Pickens Industrial Drive
Suite 10 30062
Phone: 770-794-6776
Fax: 770-794-6658

Moultrie

Minix Sales & Service
209 Holly Trail 31768
Phone: 229-985-9528
Fax: 229-985-9528

Norcross

Johnson Industries
5944 Peachtree Corners East 30071
Toll Free: 800-922-8111
Phone: 770-248-2900
Fax: 770-248-2910

HAWAII

Honolulu

Automotive Equipment & Supply
965 Kakoi 96819
Phone: 808-478-7036
Fax: 808-324-1717

Honolulu

H K Enterprises, Inc.
1458 Pule Place 96816
Phone: 808-848-2425
Fax: 808-848-2425

IDAHO

Boise

Automotive Service Equipment, Inc.
314 East 35th St. 83714
Phone: 208-343-2621
Fax: 208-343-2673

Malad

Automotive Specialty Equipment
68 West 100 North 83252
Toll Free: 1-800-366-0328
Phone: 801-562-0700
Fax: 801-562-0737

ILLINOIS

Brookfield

All Equipment Service, Inc.
8912 West 47th Street 60513
Phone: 708-485-8327
Fax: 708-485-8335

Woodstock

A-1 Equip. Sales & Service Inc.
1002 Courtaulds Dr., Unit C 60098
Toll Free: 800-421-1211
Phone: 815-206-3647
Fax: 815-337-5810

Effingham

Dust & Sons
200 North Main 62401
Phone: 217-342-6240
Fax: 217-342-6256

Lincoln

Automotive Equip. Sales & Serv.
Zip Code: 62656
Phone: 217-562-7602
Fax: 217-562-7080

Northbrook

A-1 Equipment Sales & Service
Satellite 60065
Toll Free: 800-421-1211
Phone: 815-206-3647
Fax: 815-337-5810

INDIANA

Ft. Wayne

Indiana Equipment Sales, Inc.
1111 Leesburg Rd. 46808
Toll Free: 800-234-7564
Phone: 260-432-5990
Fax: 260-432-7845

Indianapolis

Kam Hydraulics
2160 Fletcher Ave. 46203
Phone: 317-632-8130
Fax: 317-632-8132

Indianapolis

Vamac
6718 East 38th Street 46226
Toll Free: 800-523-5847
Phone: 317-632-1594
Fax: 317-244-3920

IOWA

Burlington

Brozene Hydraulic
1400 Mt. Pleasant St. 52601
Phone: 319-752-4017
Fax: 319-754-7977

Cedar Rapids

Lewis Equipment Service
642 Old Marion Rd. NE 52402
Phone: 319-378-1938
Fax: 319-294-3261

Nevada

Lester Refrigeration
Zip Code: 50201
Phone: 515-382-4157
Fax: 515-382-4157

KANSAS

Shawnee

C & G Services
Zip Code: 66226
Phone: 913-422-4545
Fax: 913-422-5466

Wichita

Fisher's Auto Service
126 Mathewson 67214
Toll Free: 1-800-234-3247
Phone: 316-265-7251
Fax: 316-265-8434

KENTUCKY

Louisville

Roppel, Inc.
829 Logan St. 40204
Toll Free: 800-456-5665
Phone: 502-581-9444
Fax: 502-581-1999

LOUISIANA

Alexandria

Automotive Equipment Service
Zip Code: 71301
Toll Free: 800-485-9572
Phone: 800-485-9572
Fax: 318-965-3952

Baton Rouge

Precision Equipment Service
10715 Cherry Hill 70816
Phone: 225-292-7656
Fax: 225-291-6357

Benton

Automotive Equipment Service
1118 Highway 162 71006
Phone: 800-485-9572
Fax: 318-965-3952

Crowley

PACE Professional Auto. Equip. Co.
Zip Code: 70526
Toll Free: 888-616-8555
Phone: 318-443-8555
Fax: 318-443-8050

Metairie

Greiner Equipment & Service, Inc.
2900 Lausat St. 70001
Toll Free: 1-800-421-8976
Phone: 504-831-6612
Fax: 504-832-1999

Monroe

Automotive Equipment Service
Satellite 71201
Phone: 800-485-9572
Fax: 318-965-3952

Prairieville

Equip. Service and Installation
Zip Code: 70769
Phone: 225-622-0401
Fax: 225-753-3953

MARYLAND

Abingdon

Kunkel Service
1305 Governor Court 21009
Phone: 410-612-0400
Fax: 410-679-7755

Baltimore

Asco Equipment Inc.
6205A Harford Road 21214
Phone: 410-444-4285
Fax: 410-444-7831

MASSACHUSETTS

Hyde Park

Precision Hydraulics, Inc.
63 Sprague St., Unit #3 02136
Phone: 617-361-4333
Fax: 617-361-3231

MICHIGAN

Detroit

Detroit Jack & Tool Service
2285 Indiantale 48238
Phone: 313-867-2100
Fax: 313-867-0033

Grand Rapids

Factory Direct Inc.
4319 Airwest SE 49512
Toll Free: 800-234-7642
Phone: 616-698-6300
Fax: 616-698-9433

Warren

H & P Technologies, Inc.
21251 Ryan Rd. 48091
Phone: 586-758-0100
Fax: 586-758-0589

MINNESOTA

Bloomington

Delegard Tool Co.
205 East 78th St. 55420
Phone: 952-881-8683
Fax: 952-884-5030

MISSISSIPPI

Columbus

JHT Co. Inc. Automotive Equip. Serv.
Satellite 39701
Toll Free: 888-664-5490
Phone: 205-664-2841
Fax: 205-664-8221

Jackson

Dixie Auto Shop Equip. Inc.
1640 S. Gallatin St. 39201
Phone: 601-352-0993
Fax: 601-969-0996

Tupelo

JHT Co. Inc. Automotive Equip. Serv.
Satellite 38801
Toll Free: 888-664-5490
Phone: 205-664-2841
Fax: 205-664-8221

MISSOURI

Fenton

Automotive Technology Inc.
544 Mae Court 63026
Phone: 636-343-8102
Fax: 636-343-5597

Pleasant Hill

Southside Services
34604 E. 219th 64808
Phone: 816-540-4800
Fax: 314-754-9643

Springfield

Applied Tool Specialty, Inc.
Suite A, 1745 East Atlantic St. 65803
Phone: 417-869-0800
Fax: 417-869-6454

St Charles

Century Tool & Equipment
4533 Towne Court 63304
Toll Free: 866-277-0888
Phone: 636-926-9333
Fax: 636-926-9777

Service Center Listing

NEBRASKA

Omaha

Marking Refrigeration
5022 S. 135th 68137
Toll Free: 800-736-0690
Phone: 402-895-0255
Fax: 402-895-6295

Omaha

Thermo King Christensen
7508 "F" Street 68127
Toll Free: 800-288-4556
Phone: 402-331-6116
Fax: 402-331-2513

NEW JERSEY

Garfield

Roberts & Son
60 Columbus Ave. 07026
Phone: 877-772-1009
Fax: 973-772-3232

Long Branch

Cougar Electronics & Tool
622 Broadway 07740
Toll Free: 800-850-3302
Phone: 732-870-3302
Fax: 732-870-8794

Trenton

City Auto Radiator
430 Bridge St. 08611
Toll Free: 800-992-0148
Phone: 609-394-3077
Fax: 609-599-2563

NEW MEXICO

Albuquerque

Brad Hall Inc.
4687 Del Rose Court 88005
Phone: 505-523-0348
Fax: 505-523-0348

Albuquerque

Performance Tool & Equipment
2701 4th St. Northwest 87107
Phone: 505-345-5038
Fax: 505-345-5124

Las Cruces

Brad Hall Inc.
4687 Del Rose Court 88005
Phone: 505-523-0348
Fax: 505-523-0348

NEVADA

Las Vegas

Auto Air & More Inc.
4295 W Tropicana Ave. 89103
Toll Free: 1-888-658-3423
Phone: 702-877-8701
Fax: 702-362-9694

North Las Vegas

Blair Equipment Co.
6565 Speedway Blvd. 89115
Phone: 702-643-4400
Fax: 702-643-4404

Wendover

Automotive Specialty Equipment
511 Mesa 89883
Toll Free: 800-366-0328
Phone: 801-562-0700
Fax: 801-562-0737

NEW YORK

Brooklyn

Five Boro Pneu-Tronics
798 East 43rd St. 11210
Phone: 718-338-8911
Fax: 718-338-8914

Buffalo

Buffalo Hyd. Jack Service, Inc.
488 Walden Ave. 14211
Phone: 716-893-6510
Fax: 716-893-6511

East Northport

Shopserv Inc.
26 Carrington Dr. 11731
Phone: 631-368-4262
Fax: 631-266-1260

Lafayette

N. Y. Tech Supply
2424 Route 11 13084
Phone: 315-677-3828
Fax: 315-677-9152

Schenectady

Stewart Electric
412 Broadway 12305
Phone: 518-393-5837
Fax: 518-393-0773

Seaford

Five Boro Pneu-Tronics
Satellite 11783
Phone: 718-338-8911
Fax: 718-338-8914

NORTH CAROLINA

Burlington

Johnson's Electronics
1003 Hahn Road 27215
Phone: 336-727-1559
Fax: 336-727-4732

Concord

Equipment Plus
Satellite 28025
Toll Free: 1-800-864-2959
Phone: 864-578-2316
Fax: 864-599-9767

Raleigh

Professional Maintenance &
Supplies Inc.
Satellite 27610
Toll Free: 1-800-383-4830
Phone: 910-323-3160
Fax: 910-323-4470

Wade

Professional Maintenance &
Supplies Inc.
Zip Code: 28395
Toll Free: 800-383-4830
Phone: 910-323-3160
Fax: 910-323-4470

Winston-Salem

Johnson's Electronics
1437 Miller St. 27103
Phone: 336-727-1559
Fax: 336-727-4732

NORTH DAKOTA

Bismark

Hedahls of Bismark
122 North 1st St. 58501
Toll Free: 1-800-472-2112
Phone: 701-221-4247
Fax: 701-221-4226

OHIO

Cleveland

A & A Hydraulic Repair Co.
5301 West 161st Street 44142
Toll Free: 800-992-9898
Phone: 216-362-4000
Fax: 216-362-4020

Columbus

Automotive Equipment Whse., Ltd.
8055A Corporate Blvd.
Toll Free: 800-787-3185
Phone: 614-873-2206
Fax: 614-873-0467

Paulding

InSource Technologies Inc.
(No recovery units—electronics and
instruments only)
12124 County Rd. 111 45879
Phone: 419-399-3600
Fax: 419-399-5324

Springboro

Tri State Repair Services, Inc.
5291 Dearth Rd. 45066
Phone: 937-746-1200
Fax: 937-746-1200

Troy

Tri State Repair Services, Inc.
225 South Walnut St. 45373
Phone: 937-746-1200
Fax: 937-746-1200

OKLAHOMA

Bixby (Tulsa Area)
Specialty Products & Serv. Co.
15200 South Memorial 74008
Phone: 918-369-1065
Fax: 918-366-1072

Oklahoma City

Delco Diesel Services, Inc.
1100 S. Agnew 73108
Toll Free: 800-256-0395
Phone: 405-235-8665
Fax: 405-235-8667

Oklahoma City

Hydraulic Equipment Co.
515 S. Broadway 73109
Phone: 405-235-3318
Fax: 405-232-4722

OREGON

Portland

Portland Service Station Supply
737 N.E. 25th Ave. 97232
Phone: 503-234-0744
Fax: 503-234-0748

Portland

Superior Service (Canada Only)
7203 SE Raymond 97206
Toll Free: 800-984-3746
Fax: 503-771-2416

PENNSYLVANIA

Greensburg

Thomas Pneumatics
2424 Keystone Ave. 15601
Phone: 724-832-1110
Fax: 724-832-7060

Hummelstown

Robert Fischer Service Inc.
2050 Fletcher Cove 17036
Phone: 717-566-9981
Fax: 717-566-2924

Oxford

United Equipment Limited
2161 Baltimore Pike 19363
Toll Free: 800-222-0015
Phone: 610-932-8790
Fax: 610-932-4269

Philadelphia

Regent Hyd. & Machine Works, Inc.
4051 Cresson 19127
Phone: 215-482-2050
Fax: 215-482-6863

Pittsburgh

Mac's Hydraulic Jack & Equipment Serv.
Zip Code: 15206
Phone: 412-361-1555
Fax: 412-361-2855

Wilkes-Barre

Panzitta Sales & Service
72 George Ave. 18705
Toll Free: 800-822-6720
Phone: 570-822-6720
Fax: 570-822-8520

RHODE ISLAND

Saunderstown

D. J. Fisher Services
35 Macintosh Lane 02874
Toll Free: 800-403-5745
Phone: 401-294-6760
Fax: 401-294-7690

SOUTH CAROLINA

Columbia

Equipment Service & Supply
Zip Code: 29201
Toll Free: 1-800-845-2506
Phone: 864-583-7197
Fax: 864-948-0023

Elko

Equipment Service & Supply
110 Walnut Grove 29826
Pauline Road
Toll Free: 1-800-845-2506
Phone: 864-583-7197
Fax: 864-948-0023

Hampton

Equipment Service & Supply
Zip Code: 29924
Toll Free: 1-800-845-2506
Phone: 864-583-7197
Fax: 864-948-0023

Service Center Listing

Hanahan

Randy Burbage Equipment
1130 John Rutledge Ave. 29406
Toll Free: 800-611-2823
Phone: 843-553-3002
Fax: 843-824-8458

Spartanburg

Equipment Plus
491 Belcher Road 29316
Toll Free: 800-864-2959
Phone: 864-578-2316
Fax: 864-599-9767

SOUTH DAKOTA

Sioux Falls

T & A Service & Supply
3412 S. Minnesota Ave. 57105
Toll Free: 800-658-3423
Phone: 605-339-9717
Fax: 605-339-0884

TENNESSEE

Louisville

Hawk Equipment Co.
Zip Code: 37777
Phone: 865-977-4122
Fax: 865-977-9014

Memphis

Crow's Truck Parts
5278 Hwy. 78 South 38118
Toll Free: 800-748-9632
Phone: 901-366-6611
Fax: 901-366-0382

Memphis

Mid America Parts Dist. Corp.
3448 Cazassa 38116
Phone: 901-345-1113
Fax: 901-345-2322

Springfield

Shoemaker's Equip. Service
3343 Old Greenbrier Pike 37172
Phone: 615-384-1999
Fax: 615-384-1999

TEXAS

Austin

Auto Equipment Service
Satellite 78766
Phone: 210-653-2590
Fax: 210-653-3375

Beaumont

Southeast Texas Automotive Equip.
2095 Calder Ave. 77701
Toll Free: 800-752-3919
Phone: 409-832-9391
Fax: 409-835-6763

Beaumont

Triangle Equipment
1495 Lindbergh Dr. 77702
Phone: 409-842-2525
Fax: 409-842-5232

Corpus Christi

Auto Equipment Service
Satellite 78417
Phone: 210-653-2590
Fax: 210-653-3375

Dallas

J-8 Equipment Co. of Texas, Inc.
129 E. Oregon 75203
Phone: 214-948-1494
Fax: 214-948-1497

Edinburg

Minyard Auto Supply
223 W. University 78539
Phone: 956-383-3759
Fax: 956-383-8906

Grapevine

North Texas Robinair Repair
113 East Hudgins 76051
Phone: 817-291-3895
Fax: 817-270-8309

Houston

AES/P.A.E.C.O. Sales & Service LTD.
14011 FM 529 77041
Phone: 713-460-2044
Fax: 713-460-8855

Houston

Star Hydraulics & Tool Service
7012 Long Point 77055
Toll Free: 800-925-7741
Phone: 713-681-4105
Fax: 713-681-6246

Houston

Watco Equipment
Suite 706, 6005 Milwee St. 77092
Phone: 713-290-9033
Fax: 713-290-9491
Toll Free: 800-490-5338

Kennedale

Automotive Service Equipment
846D Trent St. 76060
Toll Free: 800-572-4525
Phone: 817-572-4525
Fax: 817-561-0803

Lubbock

T & B Tool
Zip Code: 79415
Phone: 806-798-1589
Fax: 806-798-2031

Mc Allen

Gabbert Equipment
100 Rose Ellen 78501
Toll Free: 800-580-1421
Phone: 956-682-1421
Fax: 956-682-1435

San Angelo

West Texas Equipment & Repair
3517 Judith 76904
Phone: 325-947-1020
Fax: 325-947-1020

San Antonio

Auto Equipment Service
13110 Lookout Way 78233
Phone: 210-653-2590
Fax: 210-653-3375

San Antonio

Carl Turner Equipment Inc.
5427 Brewster 78233
Phone: 210-590-8111
Fax: 210-590-8199

Temple

Big 3 Auto Supply
2420 W Ave. M 76504
Toll Free: 1-800-460-5223
Phone: 254-778-5223
Fax: 254-778-4161

Texarkana

Automotive Equipment Service
Satellite 75503
Toll Free: 800-485-9572
Fax: 318-965-3952

Tyler

Tyler Fuel Injection
2850 SSW Loop 323 75701
Phone: 903-593-3351
Fax: 903-593-9402

UTAH

Beaver

Automotive Specialty Equip.
1532 South Main 84713
Toll Free: 1-800-366-0328
Phone: 801-562-0700
Fax: 801-562-0737

Midvale

Automotive Specialty Equip.
7055 South 700 West 84047
Toll Free: 1-800-366-0328
Phone: 801-562-0700
Fax: 801-562-0737

Salt Lake City

Karl Winter Co.
61 East 700 South 84111
Phone: 801-355-6275
Fax: 801-355-6279

VIRGINIA

Alexandria

D & S Repair Service
20 South Dove St. 22314
Phone: 703-683-0009
Fax: 703-683-6719

NewPort News

Professional Maintenance
Satellite 23601
Toll Free: 800-383-4830
Phone: 910-323-3160
Fax: 910-323-4470

Richmond

Professional Maintenance
Satellite 23234
Toll Free: 800-383-4830
Phone: 910-323-3160
Fax: 910-323-4470

Roanoke

Equip. Specialist & Supplies
7869 Cedar Edge Road 24018
Phone: 540-769-0446
Fax: 540-769-0246

WASHINGTON

Spokane Valley

Moose Automotive
11802 E. Mansfield Ave.
Suite 3 99214
Phone: 509-928-2444
Fax: 509-891-8190

Woodinville

Equipment Sales Co., Inc.
21628 87th Avenue SE 98072
Toll Free: 877-844-2900
Phone: 425-415-1616
Fax: 425-415-0816

WEST VIRGINIA

Beckley

Equipment Specialist & Supplies
Satellite 25801
Phone: 540-769-0446
Fax: 540-769-0246

Bridgeport

Matz Equipment Service
47 Garden Circle 26330
Phone: 304-842-7961
Fax: 304-842-3755

WISCONSIN

DePere

DeCleene Truck Repr. & Refrig.
625 Lawrence Dr. 54115
Toll Free: 800-236-1662
Phone: 920-339-9399
Fax: 920-339-9438

Milwaukee

A-1 Equip. Sales & Service Inc.
Satellite 53234
Toll Free: 800-421-1211
Phone: 815-206-3647
Fax: 815-337-5810

Stoughton

Midwest Equip. Specialists, Inc.
2928 Highway MN 53589
Phone: 608-838-8151
Fax: 608-838-6059

WYOMING

Evanston

Automotive Specialty Equip.
100 Harrison Drive 82930
Toll Free: 1-800-366-0328
Phone: 801-562-0700
Fax: 801-562-0737

Powell

Rocky Mountain Repair
405 Alan Rd. 82435
Phone: 307-754-9182
Fax: 307-754-9183

Service Center Listing

CANADA

ALBERTA

Calgary
AES Automotive Equipment Services
Bay 109-3412 27th St. NE T1Y 5E2
Toll Free: 866-237-7782
Phone: 604-420-4721
Fax: 604-420-4731

Millet
AES Automotive Equipment Services
Site 7 Box 5 RR#1 TOC 1Z0
Toll Free: 866-237-7782
Phone: 604-420-4721
Fax: 604-420-4731

BRITISH COLUMBIA

Burnaby
Shepherd Instruments & Controls (VP)
5595 Roy Street V5B 3A5
Phone: 604-299-6300
Fax: 604-299-8300

Kelowna
Component Service
216 Terrace Drive V1V 2P9
Phone: 250-869-0202
Fax: 250-765-0202

MANITOBA

Winnipeg
Inlett Equipment
1825 King Edward St. R2R 0M8
Phone: 204-925-9889
Fax: 204-633-4878

Winnipeg
Stephenson Equipment Ltd. (VP)
21 Murray Park Rd. R3J 8S2
Phone: 204-831-9633
Fax: 204-831-0585

NOVA SCOTIA

Hebbs Cross
Marktech Electronics Ltd.
16 Camperdown Road B0J 1V0
Phone: 902-527-1693
Fax: 902-527-2004

ONTARIO

Caledon East
Auto Analyser Services Inc. (VP)
7353 Castlederg Sideroad L0N 1E0
Phone: 905-951-7111
Fax: 905-857-6446

Sudbury
A & B Equipment
887 Notre Dame Avenue P3A 2T2
Contact: Andre Rivet
Phone: 705-524-5930
Fax: 705-524-6930

Superior Service (Canada Only)
Toll Free: 800-984-3746
Fax: 503-771-2416

Whitby
Canadian Automotive Testing
5085 Ashburn Road L1M 1S9
Phone: 905-655-1338
Fax: 905-655-1339

QUEBEC

Montreal North
M&M Electronics (VP)
10621 Balzac H1H 3L8
Phone: 514-322-2450
Fax: 514-322-1700

Superior Service (Canada Only)
Toll Free: 800-984-3746
Fax: 503-771-2416

INTERNATIONAL

For information on International Service Centers, please contact Robinair's International Customer Service Fax: 507-455-7063.

INTERNATIONAL

MEXICO

Servicio Hidalgo
Guillermo Prieto# 111-D Pte
Allende, Nuevo Leon
Mexico C.P. 67340
Contact: Mundo Alarms
Phone: 52 826 2684152

PUERTO RICO

Auto Service Equipment
Kennedy Ave., Km 500
Caparra Heights, Puerto Rico
Phone: 787-792-5022

SINGAPORE

BMB Alpha Co.
47 Lorong Ong. Lye
Singapore
Contact: Albert Sng
Phone: 65 289 8648

RT 19892