

## Instructions for Changing Vacuum Pump Oil:

1. Operate vacuum pump until vacuum pump oil becomes warm.
2. Turn vacuum pump switch off and disconnect electrical cord plug from electrical outlet.
3. Place vacuum pump on a level surface. Unscrew and remove oil plug from bottom of pump housing and let oil drain from pump until all oil has drained. (see photo)
4. Reinstall drain plug back into pump housing. (see photo)
5. Remove oil fill plug in top of pump housing. (see photo)
6. Add oil as noted on specification chart or an amount of FJC vacuum pump oil, part # 2200, to raise the oil level to the full oil level marks on the front of the vacuum pump housing on each side of the oil sight glass.
7. Reinstall oil fill plug. (see photo)
8. Operate vacuum pump for a short period of time.
9. Check oil level through oil sight glass. (see photo)

## Troubleshooting:

Pump will not run.

1. Check electrical outlet for low voltage or no voltage.
2. Check to ensure switch is turned on.

Pump does not pull low vacuum.

- . Check oil level.
- Check for contaminated oil.
- Check manifold and system servicing for leaks.
- Check for low voltage at electrical outlet.
- Check type of oil. If incorrect type of oil is used vacuum pump will not operate properly.

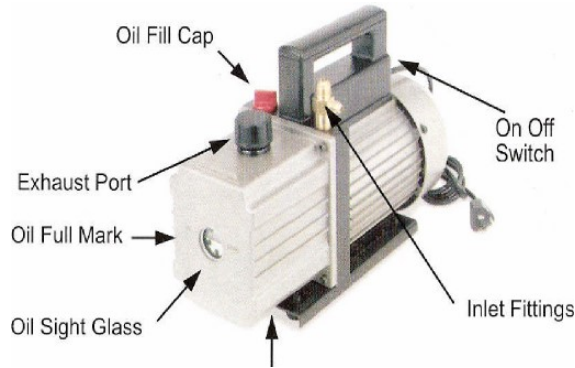


# Air Conditioning Products

## Vacuum Pump

## Operating Instructions

## Specification Manual



Setup Instructions Cont .....

Operate vacuum pump for a short period of time.

Vapor from exhaust port is normal during operation. This is the result of moisture in A/C system and humidity in shop. 12\_ Check oil level through oil sight glass. (see photo)

The vacuum pump will become hot during operation.

Remove electrical plug from outlet. Grasp plug and pull from outlet. Pulling wire to disconnect plug from outlet will damage electrical plug.

**Operating Instructions**

Check oil level, Oil level in sight glass should be even with "oil level full" marks on each side of sight glass on front of vacuum pump. If oil level is low, add oil until oil level reaches full oil level marks. (see photo)

Make sure vacuum pump electrical switch is turned off. (see photo)

Plug electrical plug into a grounded 115 volt electrical outlet.

Connect yellow hose from manifold gauge set to inlet of vacuum pump. Make sure pressure in system is less than 5 psi. If pressure is over 5 psi vacuum pump may be damaged.

Turn switch to on. (see photo)

Vapor from exhaust port is normal during operation. This is the result of moisture in A/C system and humidity in shop.

Allow pump to operate until desired vacuum is reached.

Close manifold gauge set valves.

Turn switch to off position, (see photo)

Disconnect yellow hose from vacuum pump,

11. Remove electrical plug from outlet. Grasp plug and pull from outlet. Pulling wire to disconnect plug from outlet will damage electrical plug,

**Maintenance**

Cheek oil level through oil sight glass before each use. The main cause of vacuum pump failure is low oil levels and contaminated oil. (see photo)

Always disconnect vacuum pump from electrical source before performing any maintenance,

Replace vacuum pump oil every week during heavy usage periods or 'after every service of a system with excess moisture.

Keep vacuum pump in a clean dry place.

Use FJC vacuum pump oil Part # 2200 or equivalent.

Part #	CFM	Micron Rating	Fitting Size	Voltage	Motor	Motor RPM	Oil Cap. Oz	Weight lbs.
6905	1.5	75	1/4" M.F. x 1/2" ACME	115V, 60 HZ	1/6 HP	1725	6.0	14
6909	3	75	1/4" M.H. x 1/2" ACME	115V, 60 HZ	113 HP	1725	8.0	17
6912	5	75	11/4" M.F. x 1/2" ACME	115V, 60 HZ	1/3 HP	1725	8.0	22
6916	7	75	1/4" M.F. x 1/2" ACME	115V, 60 HZ	2/4 HP	3450	17.0	28
6923	2stage 3	50	1/4" M.F. x 1/2" ACME	115V, 60 HZ	1/3 HP	1725	8.5	22
6925	2stage 5	50	11/4" M.F. x 1/2" ACME	115V, 60 HZ	1/2 HP	1725	9.5	25.8

**Set Up Instructions:**

Read vacuum pump instructions\_

Remove vacuum pump and vacuum pump oil from box.

Inspect vacuum pump and electrical cord for damage.

If damage is found, it should be immediately reported to the freight carrier.

**VACUUM PUMP IS SHIPPED WITHOUT OIL - DO NOT OPERATE UNTIL OIL IS ADDED.**

**WARRANTY IS VOID IF VACUUM PUMP IS OPERATED WITHOUT OIL.**

Place vacuum pump on a level surface. Remove oil fill plug from top of pump housing and add vacuum pump oil until oil level is even with oil level full marks on front of vacuum pump housing on each side of the oil sight glass.

Use only FJC vacuum pump oil or equivalent. If the wrong type of oil is used, the vacuum pump will not operate properly. (see photo)

9. Reinstall oil fill plug. (see photo)