APPENDIX B
ERROR CODES

The Refrigerant Recovery System has a self-diagnostic feature. When a malfunction with the Recovery System has been detected, an error code is displayed on the LCD panel.

A. Press **<HOLD/ENTER/RESTART>** on the front panel.

B. If the error code is still displayed, press **<CANCEL>** on the front panel to clear or turn "OFF" main power switch

C. Turn the power switch to the "ON" position and press **<POWER>**. This resets all functions.

D. If the error code is still displayed on the front panel, refer to Error Codes listed below:

ERROR CODES 0 THROUGH 13

ERROR CODE	DESCRIPTION	POSSIBLE CAUSE
0	Internal CPU memory failure.	• Replace Processor Board.
1	Communication Bus failure.	• Replace Processor Board.
2	Tank Full	• Charge from or change Recovery Tank.
3	Software Failure.	• Replace Processor Board.
4	Solenoid Driver Failure	• Replace Solenoid Driver Board.
5	No pressure after pump starts.	• Refer to Troubleshooting in Chapter 2.
6	Compressor windings open	• Replace Compressor
7	No weight drop during Refrigerant charge.	• Select other tank. • Check Heater Blanket on Virgin Tank. • With software Rev 2.20, install a new Virgin Tank.
8	No weight drop during Oil charge.	• With software Rev 2.20, install a new Oil Cylinder.
9	Stored weights and scale disagree.	• Not used with Rev 2.20 software.
10	Scale weight less than 2 lbs.	• Refer to Scale Calibration in Chapter 3.
11	Scale weight greater than 155 lbs.	• Refer to Scale Calibration in Chapter 3.
12	Tank full and empty LEDs on.	• Connect Recovery Tank cable. • Ohm out cable. • Check Float Assembly in Recovery Tank.
13	Discharge pressure less than 30" HG.	• Check calibration. • Replace High Pressure Transducer. • Replace Solenoid Driver Board.

ERROR CODES 14 THROUGH 26

ERROR CODE	DESCRIPTION	POSSIBLE CAUSE
14	Discharge pressure greater than 500 psi.	• Check calibration. • Replace High Pressure Transducer. • Replace Solenoid Driver Board.
15	Suction pressure less than 30" HG.	• Check calibration. • Replace Low Pressure Transducer. • Replace Solenoid Driver Board.
16	Suction pressure greater than 200 psi.	• Check calibration. • Replace Low Pressure Transducer. • Replace Solenoid Driver Board.
17	Purge pressure less than 30" HG.	• Check calibration. • Replace Purge Pressure Transducer. • Replace Solenoid Driver Board.
18	Purge pressure greater than 500 psi.	• Check calibration. • Replace Purge Pressure Transducer. • Replace Solenoid Driver Board.
19	No Recovery Tank present.	• Install Recovery Tank. • Refer to User's Manual
20	No vacuum in new Recovery Tank.	• Check Dip Switch configuration.
21	No vacuum during Vacuum Hold test. (2" loss.)	• Vehicle has a leak. Fix leak. • Check hose connections to vehicle. • Check Suction Separator gasket.
22	No vacuum during Vacuum Hold test. (2" loss.)	• Vehicle has a leak. Fix leak. • Check hose connections to vehicle. • Check Suction Separator gasket.
23	Ambient Temperature less than 32°F.	• Let unit warm up. Operating temperature is: 50-120 degrees. • Refer to Troubleshooting in Chapter 2.
24	Ambient Temperature less than 150°F.	• Let unit cool down. Operating temperature is: 50-120 degrees. • Refer to Troubleshooting in Chapter 2.
25	Discharge Temperature less than 20°F.	• Connect Temperature Probe. • Replace Temperature Probe.
26	Discharge Temperature greater than 150°F.	• Calibrate Temperature Probe. • Replace Temperature Probe.

ERROR CODES 27 THROUGH 30

ERROR CODE	DESCRIPTION	POSSIBLE CAUSE
27	Incorrect refrigerant settings.	• Refer to Appendix A. • Replace Processor Board.
28	High pressure switch on.	• Reduce High side pressure. • Turn vehicle system off.
29	No Refrigerant Tanks charging.	• Install refrigerant tank.
30	No Oil Cylinder available for charging.	• Install a Oil Cylinder.