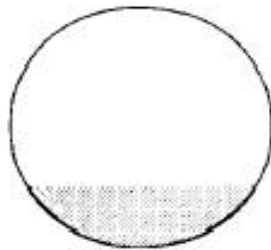
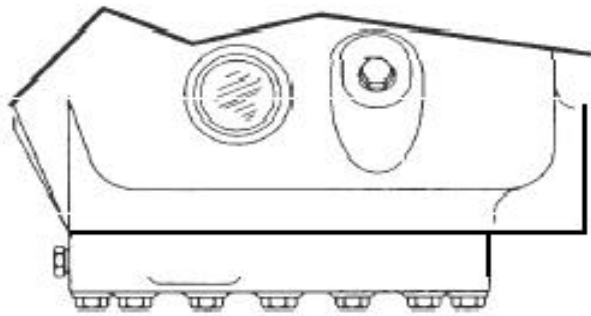
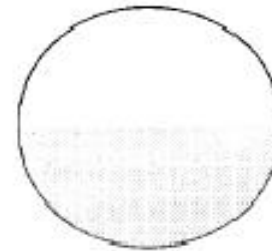
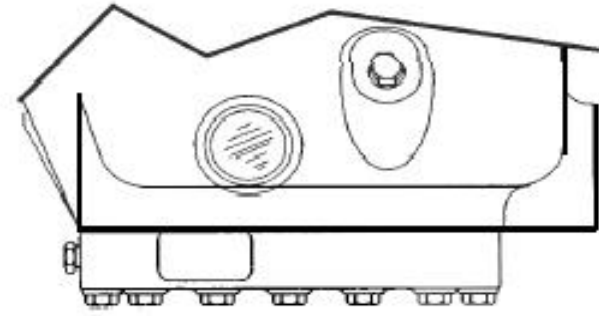


COMPRESSOR OIL LEVEL



**1/4
Sight
Glass**

**OLD SIGHT GLASS LOCATION
and PROPER LEVEL**



- Maximum

- Minimum

**NEW SIGHT GLASS LOCATION
and PROPER LEVEL**

OIL LEVEL CONT'

- Operate coach for 1/2 hour fast idle, temperature controls at the warmest setting, and the compressor fully loaded.
- Insure the system is fully charged, and the crankcase is warm to the touch after fifteen minutes of operation.
- Shut the A/C system off and immediately record the oil level in the sightglass. If the compressor is not level, an average between both sightglasses will have to be made to determine the proper oil level.
- If the oil level is 1/2 sightglass or higher in 37cfm or 3/8 sightglass or higher 41 cfm older model compressors or above the maximum mark on compressors with serial # 4994J and higher, oil must be removed from the system.

“RULE OF THUMB”

DISCHARGE PRESSURE
CONDENSER INLET TEMP

_____ *F

PLUS (CONSTANT)

40* F

EQUALS

_____ *F

P/T CHART TEMPERATURE
SUCTION PRESSURE

_____ PSIG

EVAP RETURN AIR TEMP

_____ *F

MINUS (CONSTANT)

30*F

EQUALS

_____ *F

P/T CHART TEMPERATURE

_____ PSIG

PREVENTITIVE MAINTENANCE

- Weekly / Monthly inspections schedule A
- Yearly inspections schedule B

WEEKLY/MONTHLY INSPECTIONS

- **STATIC INSPECTION**
 - Inspect return air filters
 - Inspect coils for blockage
 - Inspect all refrigerant fittings and hoses
 - Inspect all coolant lines and connections
 - Check compressor belt tension
 - Check all compressor mount hardware
 - Check all electrical connections
 - Record vehicle information and findings

WEEKLY/MONTHLY INSPECTIONS

- RUNNING INSPECTION
 - Check refrigerant charge
 - Check compressor oil level
 - Inspect condenser, evaporator and drivers unit motor operation for noise or vibration
 - Check coolant circulation pump
 - Check return air thermostat operation
 - Record all findings

YEARLY MAINTENANCE SCHEDULE

- **STATIC INSPECTION**
 - Perform all schedule A inspections
 - Inspect compressor clutch for excessive wear
 - Inspect the compressor clutch air gap
 - Inspect compressor drive belts for wear
 - Inspect condenser and evaporator motor brushes
 - Record all information

YEARLY MAINTENANCE SCHEDULE

- **RUNNING INSPECTION**
 - Perform all schedule A inspections
 - Run system and record all pressure and temperatures
 - Check compressor unloader operation
 - Check condenser fan speed switch
 - Check low pressure cutout
 - Check condenser and evaporator motor amp draw at high and low speed

TEMPERATURE-PRESSURE CHART

*F	*C	R-12	R22	R134A	*F	*C	R-12	R-22	R-134A
-12	-24.4	3.7	15.1	1.1	70	21	70.2	121.4	71.2
-10	-23.3	4.5	16.5	1.9	72	22.1	72.9	125.7	74.2
-8	-22.2	5.4	17.9	2.8	74	23.2	75.6	130	77.2
-6	-21.1	6.3	19.3	3.6	76	24.3	78.4	134.5	80.3
-4	-20	7.2	20.8	4.5	78	25.4	81.3	139	83.5
-2	-18.9	8.2	22.4	5.5	80	26.5	84.2	143.6	86.8
0	-17.8	9.2	24	6.5	82	27.6	87.2	148.4	90.2
2	-16.7	10.2	25.6	7.5	84	28.7	90.2	153.2	93.6
4	-15.6	11.2	27.3	8.5	86	29.8	93.3	158.2	97.1
6	-14.5	12.3	29.1	9.6	88	30.9	96.5	163.2	100.7
8	-13.4	13.5	30.9	10.8	90	32	99.8	168.4	104.4
10	-12.3	14.7	32.8	12	92	33.1	103.1	173.7	108.2
12	-11.2	15.9	34.7	13.1	94	34.2	106.5	179.1	112.1
14	-10.1	17.1	36.7	14.4	96	35.3	110	184.6	116.1
16	-9	18.4	38.7	15.7	98	36.4	113.5	190.2	120.1
18	-7.9	19.7	40.9	17	100	37.5	117.2	195.9	124.3
20	-6.8	21	43	18.4	102	38.6	120.9	201.8	128.5
22	-5.7	22.4	45.3	19.9	104	39.7	124.7	207.7	132.9
24	-4.6	23.9	47.6	21.4	106	40.8	128.5	213.8	137.3
26	-3.5	25.4	49.9	22.9	108	41.9	132.4	220	142.8
28	-2.4	26.9	52.4	24.5	110	43	136.4	226.4	146.5
30	-1.3	28.5	54.9	26.1	112	44.1	140.5	232.8	151.3
32	-0.2	30.1	57.5	27.8	114	45.2	144.7	239.4	156.1
34	0.9	31.7	60.1	29.5	116	46.3	148.9	246.1	161.1
36	2	33.4	62.8	31.3	118	47.4	153.2	252.9	166.1
38	3.1	35.2	65.6	33.2	120	48.5	157.7	259.9	171.3
40	4.2	36.9	68.5	35.1	122	49.6	162.2	267	178.6
42	5.3	38.8	71.5	37	124	50.7	166.7	274.3	182
44	6.4	40.7	74.5	39.1	126	51.8	171.4	281.6	187.5
46	7.8	42.7	77.6	41.1	128	52.9	176.2	289.1	193.1
48	8.9	44.7	80.7	43.3	130	54	181	296.8	198.9
50	10	46.7	84	45.5	132	55.1	185.9	304.6	204.7
52	11.1	48.8	87.3	47.7	134	56.2	191	312.5	210.7
54	12.2	51	90.8	50.1	136	57.3	196.1	320.6	216.8
56	13.3	53.2	94.3	52.3	138	58.4	201.3	328.9	223
58	14.4	55.4	97.9	55	140	59.5	206.6	337.3	229.4
60	15.5	57.7	101.6	57.5	142	60.6	212	345.8	235.8
62	16.6	60.1	105.4	60.1	144	61.7	217.5	354.5	242.8
64	17.7	62.5	109.3	62.7	146	62.8	223.1	363.3	249.2
66	18.8	65	113.2	65.5	148	63.9	228.8	372.3	256
68	19.9	67.6	117.3	68.3	150	65	234.6	381.5	263

