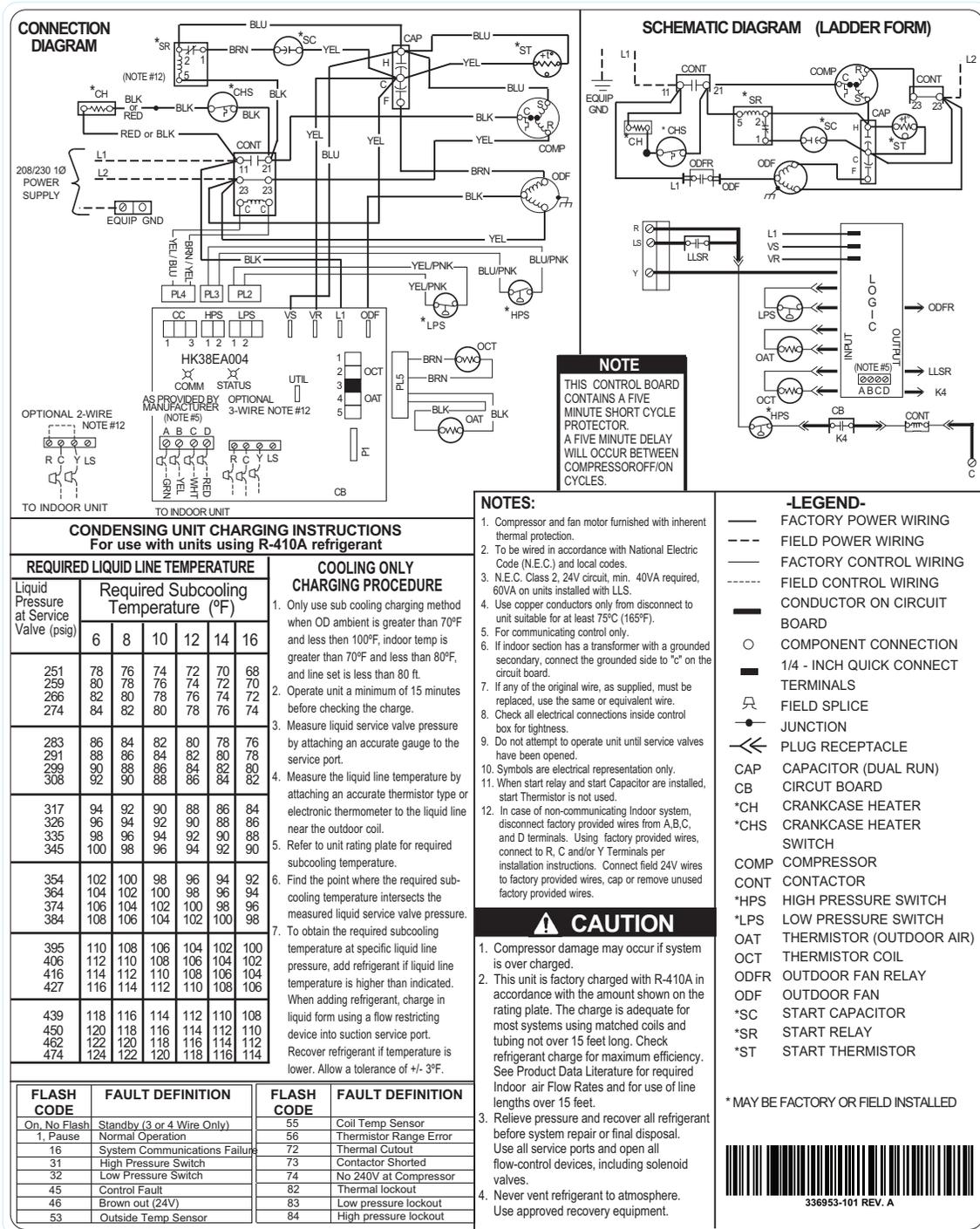




Wiring Diagram



CONDENSING UNIT CHARGING INSTRUCTIONS

For use with units using R-410A refrigerant

REQUIRED LIQUID LINE TEMPERATURE		COOLING ONLY CHARGING PROCEDURE
Liquid Pressure at Service Valve (psig)	Required Subcooling Temperature (°F)	
	6 8 10 12 14 16	<ol style="list-style-type: none"> Only use sub cooling charging method when OD ambient is greater than 70°F and less than 100°F, indoor temp is greater than 70°F and less than 80°F, and line set is less than 80 ft. Operate unit a minimum of 15 minutes before checking the charge. Measure liquid service valve pressure by attaching an accurate gauge to the service port. Measure the liquid line temperature by attaching an accurate thermistor type or electronic thermometer to the liquid line near the outdoor coil. Refer to unit rating plate for required subcooling temperature. Find the point where the required subcooling temperature intersects the measured liquid service valve pressure. To obtain the required subcooling temperature at specific liquid line pressure, add refrigerant if liquid line temperature is higher than indicated. When adding refrigerant, charge in liquid form using a flow restricting device into suction service port. Recover refrigerant if temperature is lower. Allow a tolerance of +/- 3°F.
251	78 76 74 72 70 68	
259	80 78 76 74 72 70	
266	82 80 78 76 74 72	
274	84 82 80 78 76 74	
283	86 84 82 80 78 76	
291	88 86 84 82 80 78	
299	90 88 86 84 82 80	
308	92 90 88 86 84 82	
317	94 92 90 88 86 84	
326	96 94 92 90 88 86	
335	98 96 94 92 90 88	
345	100 98 96 94 92 90	
354	102 100 98 96 94 92	
364	104 102 100 98 96 94	
374	106 104 102 100 98 96	
384	108 106 104 102 100 98	
395	110 108 106 104 102 100	
406	112 110 108 106 104 102	
416	114 112 110 108 106 104	
427	116 114 112 110 108 106	
439	118 116 114 112 110 108	
450	120 118 116 114 112 110	
462	122 120 118 116 114 112	
474	124 122 120 118 116 114	

FLASH CODE	FAULT DEFINITION	FLASH CODE	FAULT DEFINITION
On, No Flash	Standby (3 or 4 Wire Only)	55	Coil Temp Sensor
1, Pause	Normal Operation	56	Thermistor Range Error
16	System Communications Failure	72	Thermal Cutout
31	High Pressure Switch	73	Contact Shorted
32	Low Pressure Switch	74	No 240V at Compressor
45	Control Fault	82	Thermal lockout
46	Brown out (24V)	83	Low pressure lockout
53	Outside Temp Sensor	84	High pressure lockout

Fig. 1 – Wiring Diagram — Model sizes 1-1/2 - 5 tons, 208/230-1

