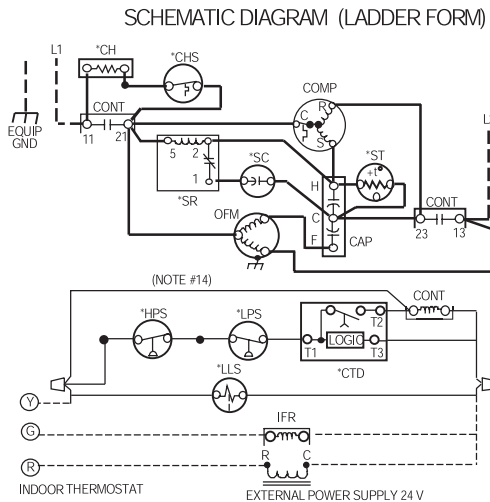
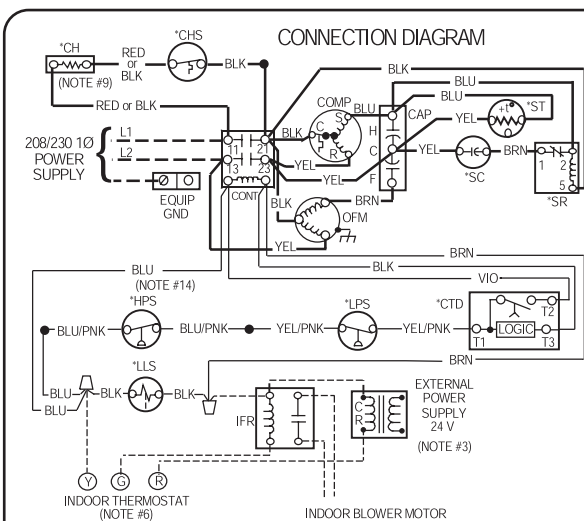


Replaces: 38TXA-2W



-LEGEND-

	FACTORY POWER WIRING	*CTD	COMPRESSOR TIME DELAY
	FIELD POWER WIRING	IDF	INDOOR FAN
	FACTORY CONTROL WIRING	*HPS	HIGH PRESSURE SWITCH
	FIELD CONTROL WIRING	IFR	INDOOR FAN RELAY
	COMPONENT CONNECTION	*LLS	LIQ. LINE SOLENOID VALVE
	FIELD SPLICE	*LPS	LOW PRESSURE SWITCH
	JUNCTION	OFM	OUTDOOR FAN MOTOR
	CONTACTOR	*SC	START CAPACITOR
	CAPACITOR (DUAL RUN)	*SR	START RELAY
	CRANKCASE HEATER	*ST	START THERMISTOR
	COMPRESSOR		

*MAY BE FACTORY OR FIELD INSTALLED

NOTES:

- Symbols are electrical representation only.
- Compressor and fan motor furnished with inherent thermal protection.
- To be wired in accordance with National Electric N.E.C. and local codes.
- N.E.C. class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
- Use copper conductors only.
- Connection for typical cooling only thermostat. For other arrangements see installation instructions.
- If indoor section has a transformer with a grounded secondary, connect the grounded side to the BRN lead.
- When start relay and start capacitor are installed, start thermistor is not used.
- CH not used on all units.
- If any of the original wire, as supplied must be replaced, use the same or equivalent wire.
- Check all electrical connections inside control box for tightness.
- Do not attempt to operate unit until service valves have been opened.
- Do not rapid cycle compressor. Compressor must be off 3 minutes to allow pressures to equalize between high and low side before starting.
- Wire not present if HPS, LPS or CTD are used.
- Use conductors suitable for at least 75°C (167°F).

CONDENSING UNIT CHARGING INSTRUCTIONS

For use with units using R-410A refrigerant

TABLE I-SUPERHEAT CHARGING TABLE
(SUPERHEAT °F AT LOW-SIDE SERVICE PORT)

OUTDOOR TEMP. °F	50	52	54	56	58	60	62	64	66	68	70	72	74	76
55	9	12	14	17	20	23	26	29	32	35	37	40	42	45
60	7	10	12	15	18	21	24	27	30	33	35	38	40	43
65	-	6	10	13	16	19	21	24	27	30	33	36	38	41
70	-	-	7	10	13	16	19	21	24	27	30	33	36	39
75	-	-	-	6	9	12	15	18	21	24	28	31	34	37
80	-	-	-	-	5	8	12	15	18	21	25	28	31	35
85	-	-	-	-	-	8	11	15	19	22	26	30	33	37
90	-	-	-	-	-	-	5	9	13	16	20	24	27	31
95	-	-	-	-	-	-	-	6	10	14	18	22	25	29
100	-	-	-	-	-	-	-	-	8	12	15	20	23	27
105	-	-	-	-	-	-	-	-	5	9	13	17	22	26
110	-	-	-	-	-	-	-	-	-	6	11	15	20	25
115	-	-	-	-	-	-	-	-	-	-	8	14	18	23

TABLE II-REQUIRED SUCTION TUBE TEMPERATURE °F
(MEASURED AT LOW-SIDE SERVICE PORT)

SUPERHEAT	TEMP. °F	107.8	112.2	116.8	121.2	126.0	130.8	138.8	140.8	145.8
0	35	37	39	41	43	45	47	49	51	53
2	37	39	41	43	45	47	49	51	53	55
4	39	41	43	45	47	49	51	53	55	57
6	41	43	45	47	49	51	53	55	57	59
8	43	45	47	49	51	53	55	57	59	61
10	45	47	49	51	53	55	57	59	61	63
12	47	49	51	53	55	57	59	61	63	65
14	49	51	53	55	57	59	61	63	65	67
16	51	53	55	57	59	61	63	65	67	69
18	53	55	57	59	61	63	65	67	69	71
20	55	57	59	61	63	65	67	69	71	73
22	57	59	61	63	65	67	69	71	73	75
24	59	61	63	65	67	69	71	73	75	77
26	61	63	65	67	69	71	73	75	77	79
28	63	65	67	69	71	73	75	77	79	81
30	65	67	69	71	73	75	77	79	81	83
32	67	69	71	73	75	77	79	81	83	85
34	69	71	73	75	77	79	81	83	85	87
36	71	73	75	77	79	81	83	85	87	89
38	73	75	77	79	81	83	85	87	89	91
40	75	77	79	81	83	85	87	89	91	93

COOLING ONLY CHARGING PROCEDURE

- Operate unit a minimum of 10 minutes before checking charge.
- Measure suction pressure by attaching an accurate gage to suction valve service port.
- Measure suction temperature by attaching an accurate thermistor type or electronic thermometer to the suction line at service valve.
- Measure outdoor air dry-bulb temperature with a thermometer.
- Measure indoor air (entering indoor coil) wet-bulb temperature with a sling psychrometer.
- Refer to table I. Find outdoor temperature and evaporator entering air wet-bulb temperature. At this intersection note the superheat.
- Refer to table II. Find superheat temperature located in step 6 and suction pressure. At this intersection note suction line temperature.
- If unit has a higher suction line temperature than charted temperature, add refrigerant until charted temperature is reached.
- If unit has a lower suction line temperature than charted temperature, remove and recover refrigerant until charted temperature is reached.
- When adding refrigerant, charge in liquid form into the suction service port using a flow-restricting device.
- If outdoor air temperature or pressure at suction valve changes, charge to new suction line temperature indicated on chart.
- This procedure is valid when indoor air flow is within $\pm 21\%$ of its rated cfm.

CAUTION

- Compressor damage may occur if system is over charged.
- This unit is factory charged with R-410A in accordance with the amount shown on the rating plate. The charge is adequate for most systems using matched coils and tubing not over 15 feet long. Check refrigerant charge for maximum efficiency. See Product Data Literature for required Indoor Air Flow Rates and for use of line lengths over 15 feet.
- Relieve pressure and recover all refrigerant before system repair or final unit disposal. Use all service ports and open all flow-control devices, including solenoid valves.
- Never vent refrigerant to atmosphere. Use approved recovery equipment.

WARNING

Service valve gauge port is not equipped with Schrader valve (valve core). To prevent personal injury, make sure valve stem is back-seated (counterclockwise) before removing cap. Wear safety glasses and gloves when handling refrigerant.

324465-101 REV. B

Fig. 2—38TXA060034
208-230v, 1 Phase, 60 Hertz

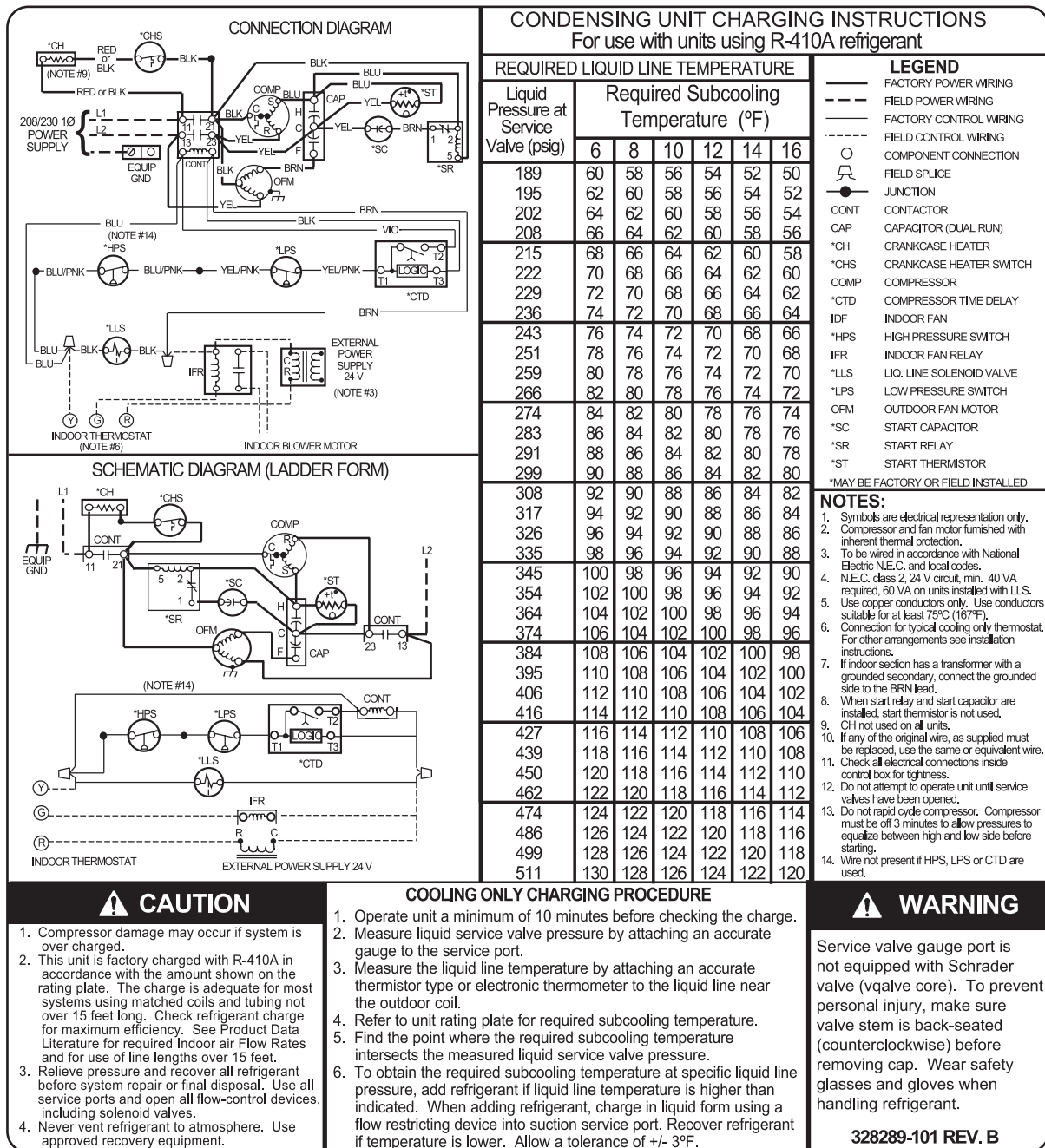


Fig. 3—38TXA060035
208-230v, 1 Phase, 60 Hertz

