EasyStart wiring for SMX II Control systems
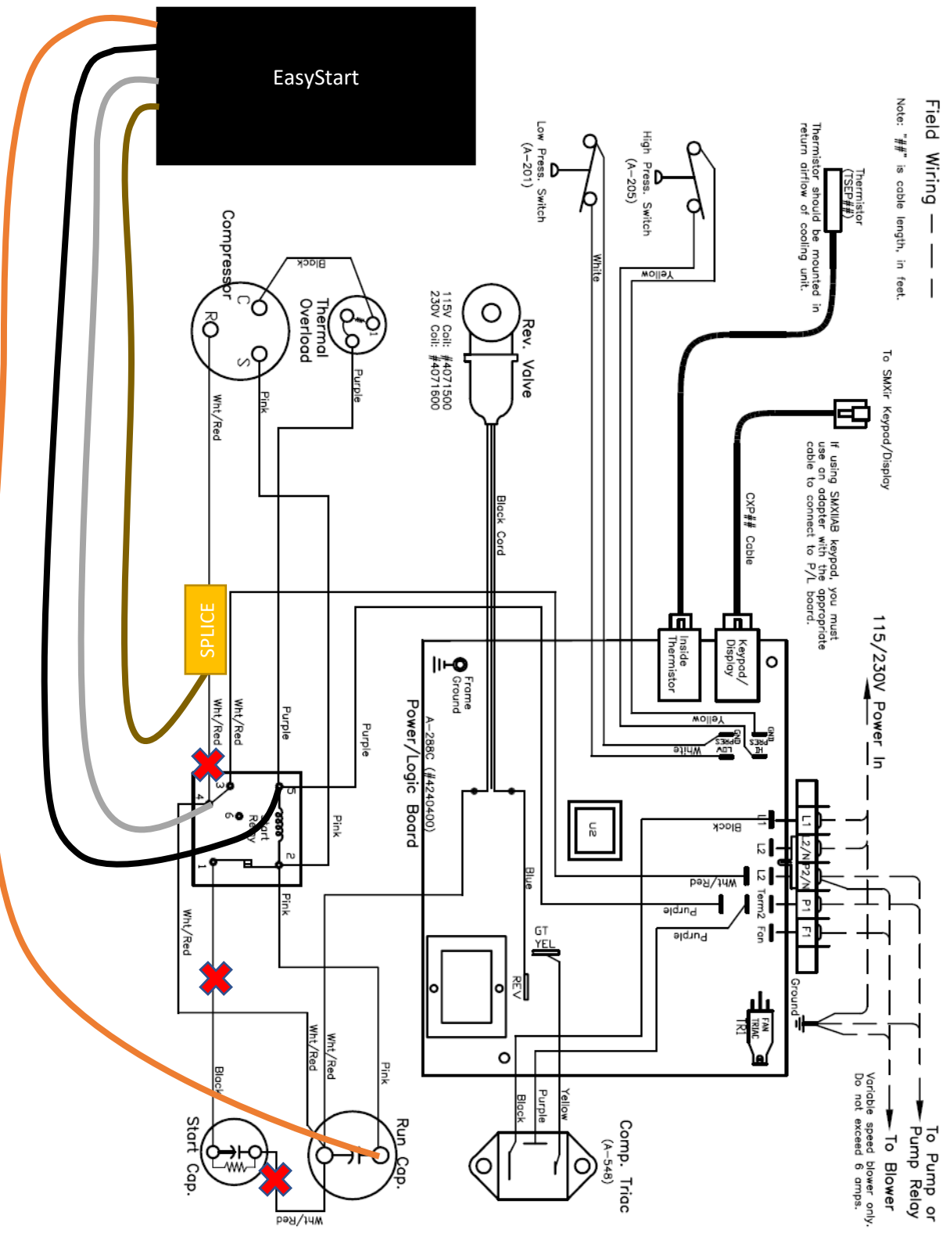
With Start Relay:

1. Remove start capacitor (Black cylinder) and both wires that connect to it.

2. Disconnect the white/red wire from the start relay that goes to the compressor "R" terminal. Connect the EasyStart BROWN wire to this wire using an end splice.

3. Connect the EasyStart WHITE wire where you removed the white/red wire in step 2.

4. Connect the EasyStart BLACK wire to the purple wire junction on the start relay.

5. Connect the EasyStart ORANGE wire to the pink wire side of the run capacitor (Silver cylinder).

6. Do 5 learning starts on shore or AC mains power before operating it on a generator or other small power source.

With PTCR:

1. Remove the PTCR from the run capacitor (Silver cylinder).

2. Disconnect the white/red wire from the run capacitor that goes to the compressor "R" terminal. Connect the EasyStart BROWN wire to this wire using an end splice.

3. Connect the EasyStart WHITE wire where you removed the white/red wire in step 2 on the run capacitor.

4. Connect the EasyStart BLACK wire to the TERM2 screw terminal on the control board.

5. Connect the EasyStart ORANGE wire to the pink wire side of the run capacitor.

6. Do 5 learning starts on shore or AC mains power before operating it on a generator or other small power source.

With Start relay:

EasyStart

Field Wiring — — —

Note: "##" is cable length, in feet.

Thermistor should be mounted in return airflow of cooling unit.

Thermistor (TSEP##)

To SMXir Keypad/Display

Low Press. Switch (A–201)

High Press. Switch (A–205)

White

Yellow

If using SMX/IAB keypad, you must use an adapter with the appropriate cable to connect to P/L board.

CXP## Cable

Compressor

C

R

S

Thermal Overload

Black

Pink

Purple

Wht/Red

Rev. Valve

115V Coil: #4071500
230V Coil: #4071600

Black Cord

SPLICE

Wht/Red

Wht/Red

Purple

Pink

Purple

Inside Thermistor

Keypad/Display

Yellow

White

LOW PRES.

HI PRES.

GND.

GND.

Black

U1

U2

L1

L2

2/N

P2/N

P1

F1

L2 Term2 Fan

Wht/Red

Purple

Purple

115/230V Power In

Ground

FAN TRIAC R1

Variable speed blower only.
Do not exceed 6 amps.

To Pump or Pump Relay

To Blower

Frame Ground

A–288C (#4240400)
Power/Logic Board

Start Relay

3
4
5
6
1
2

Pink

Pink

Wht/Red

Wht/Red

Pink

Blue

GT YEL

REV

Blue

Purple

Black

Yellow

Comp. Triac (A–548)

Black

Start Cap.

Wht/Red

Run Cap.

With PTCR: