

# INVERTEC® 170TX 170TPX & 220TPX

|                                           |   |
|-------------------------------------------|---|
| Spare Parts .....                         | 1 |
| Figure A: 170TX/TPX Machine Assembly..... | 2 |
| Figure B: 220TPX Machine Assembly .....   | 4 |
| Electrical Schematic.....                 | 5 |
| Code 52111, 52112, 52122 .....            | 5 |
| Code 50511, 50512 .....                   | 6 |



Lincoln Electric Bester Sp. z o.o.  
ul. Jana III Sobieskiego 19A, 58-260 Bielawa, Poland  
[www.lincolnelectric.eu](http://www.lincolnelectric.eu)

# Spare Parts

SP52111 / SP52112 / SP52122 REV06  
10/23

| ASSEMBLY<br>PAGE NAME |          |             | Machine<br>Assembly |  |  |  |  |  |
|-----------------------|----------|-------------|---------------------|--|--|--|--|--|
| CODE NO.:             | K NO.:   | FIGURE NO.: | A                   |  |  |  |  |  |
| 52111                 | K12054-1 | 170TX CE    | 1                   |  |  |  |  |  |
| 52112                 | K12055-1 | 170TPX CE   | 2                   |  |  |  |  |  |
| 52122                 | K12055-2 | 170TPX AUS  | 3                   |  |  |  |  |  |

\*items highlighted in bold are recommended spare parts

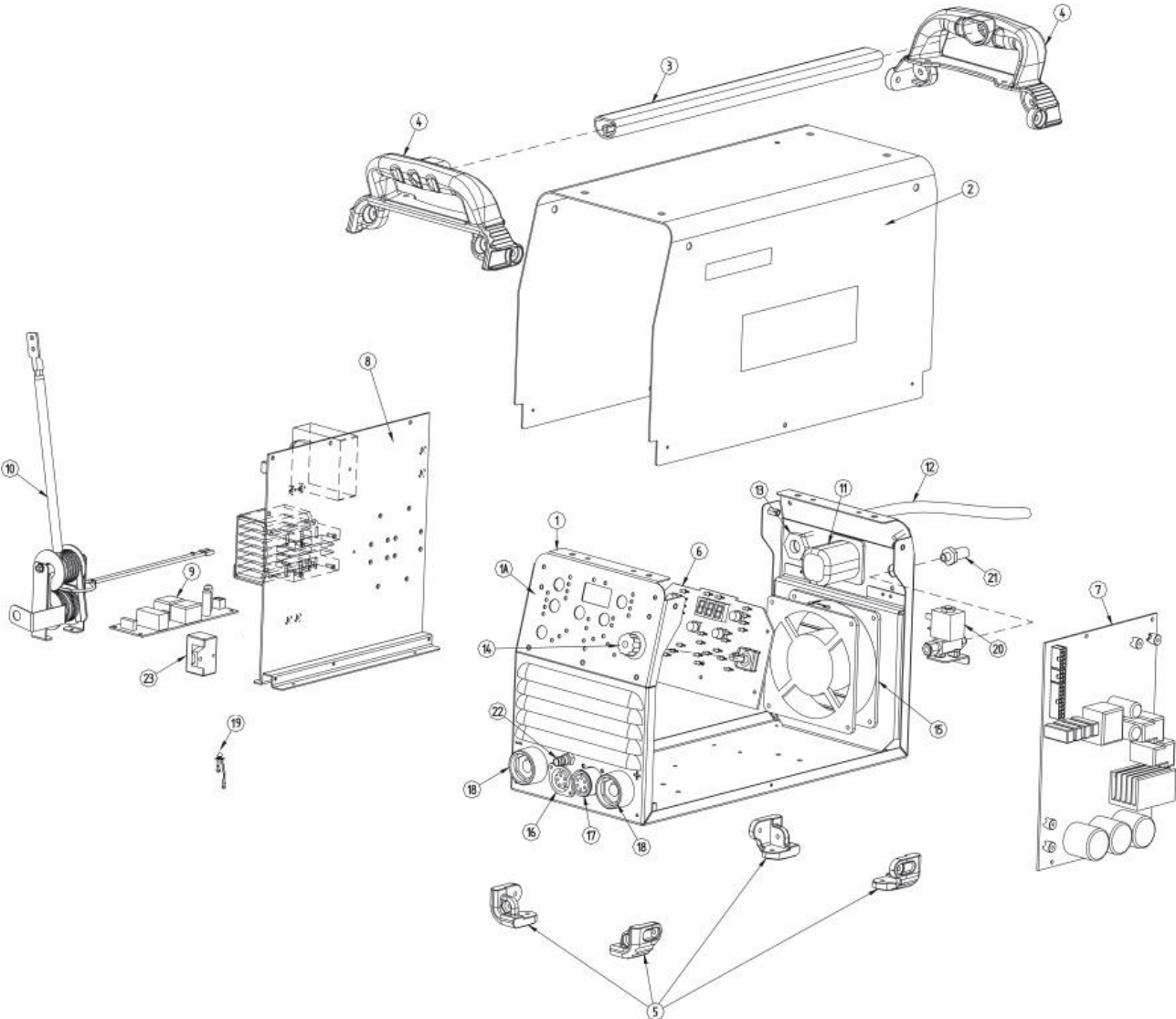


Figure A

**Figure A: 170TX/TPX Machine Assembly**

| Item | Description                       | Part Number        | QTY      | 1        | 2        | 3        | 4 | 5 | 6 | 7 |
|------|-----------------------------------|--------------------|----------|----------|----------|----------|---|---|---|---|
| 1    | MAIN FRAME                        | W93X1379R          | 1        | X        | X        | X        |   |   |   |   |
| 1A   | + FRONT NAMEPLATE                 | + W07X1392R        | 1        | -        | X        | X        |   |   |   |   |
|      | + FRONT NAMEPLATE                 | + W07X1482R        | 1        | X        | -        | -        |   |   |   |   |
| 2    | WRAPAROUND                        | R-1019-392-1R      | 1        | X        | X        | X        |   |   |   |   |
| 3    | HANDLE                            | W92X0228-8R        | 1        | X        | X        | X        |   |   |   |   |
| 4    | FRONT/REAR HANDLE                 | W95X1387R          | 2        | X        | X        | X        |   |   |   |   |
| 5    | KIT 4 ANTI-SLIP FOOT              | W95X1149R          | 1        | X        | X        | X        |   |   |   |   |
| 6    | <b>CONTROL P.C. BOARD for TPX</b> | <b>W05X1419R</b>   | <b>1</b> | <b>-</b> | <b>X</b> | <b>X</b> |   |   |   |   |
|      | <b>CONTROL P.C. BOARD for TX</b>  | <b>W05X1419-2R</b> | <b>1</b> | <b>X</b> | <b>-</b> | <b>-</b> |   |   |   |   |
| 7    | <b>INPUT P.C. BOARD</b>           | <b>W05X1545R</b>   | <b>1</b> | <b>X</b> | <b>X</b> | <b>X</b> |   |   |   |   |
| 8    | <b>INVERTER P.C. BOARD</b>        | <b>W05X1348-2R</b> | <b>1</b> | <b>X</b> | <b>X</b> | <b>X</b> |   |   |   |   |
| 9    | HF P.C. BOARD                     | W05X1615R          | 1        | X        | X        | X        |   |   |   |   |
| 10   | HF TRANSFORMER                    | W59X1544R          | 1        | X        | X        | X        |   |   |   |   |
| 11   | MAIN SWITCH                       | W7511710R          | 1        | X        | X        | X        |   |   |   |   |
| 12   | INPUT CORD CE                     | R-5041-305-1R      | 1        | X        | X        | -        |   |   |   |   |
|      | INPUT CORD AUS                    | R-5041-305-5R      | 1        | -        | -        | X        |   |   |   |   |
| 13   | CABLE CLAMP WITH NUT              | W8400006R          | 1        | X        | X        | X        |   |   |   |   |
| 14   | KNOB WITH FELT                    | W8707653R          | 1        | X        | X        | X        |   |   |   |   |
| 15   | FAN                               | W66X1369R          | 1        | X        | X        | X        |   |   |   |   |
| 16   | TRIGGER TORCH CONNECTOR           | R-5141-002-2R      | 1        | X        | X        | X        |   |   |   |   |
| 17   | REMOTE CONTROL CONNECTOR          | R-5041-312-2R      | 1        | X        | X        | X        |   |   |   |   |
| 18   | DINSE CONNECTOR                   | C-2986-001-2R      | 2        | X        | X        | X        |   |   |   |   |
| 19   | ASSEMBLE CAP. 4n7 250Vac          | R-5141-025-1R      | 1        | X        | X        | X        |   |   |   |   |
| 20   | <b>SOLENOID VALVE</b>             | <b>W8500011R</b>   | <b>1</b> | <b>X</b> | <b>X</b> | <b>X</b> |   |   |   |   |
| 21   | FITTING 1/4-1/8 + NUT 1/4         | W8896074R          | 1        | X        | X        | X        |   |   |   |   |
| 22   | FITTING QUICK CONNECTION PU 1/8   | W8800082R          | 1        | X        | X        | X        |   |   |   |   |
| 23   | HALL SENSOR                       | W4900003R          | 1        | X        | X        | X        |   |   |   |   |

| ASSEMBLY<br>PAGE NAME |          |             | Machine<br>Assembly |  |  |  |  |  |
|-----------------------|----------|-------------|---------------------|--|--|--|--|--|
| CODE NO.:             | K NO.:   | FIGURE NO.: | B                   |  |  |  |  |  |
| 50511                 | K12057-1 | 220TPX CE   | 1                   |  |  |  |  |  |
| 50512                 | K12057-2 | 220TPX AUS  | 2                   |  |  |  |  |  |

\*items highlighted in bold are recommended spare parts

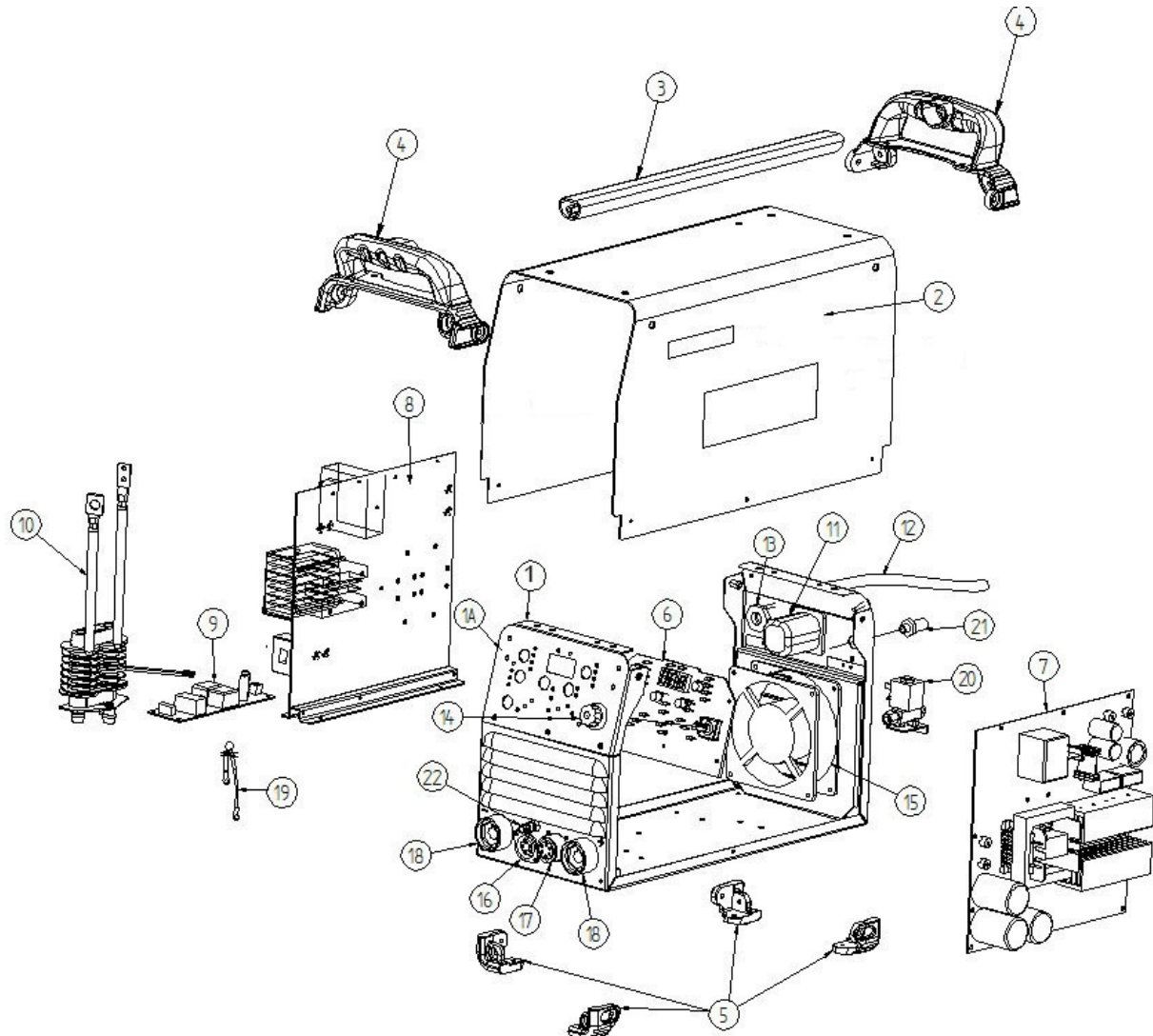


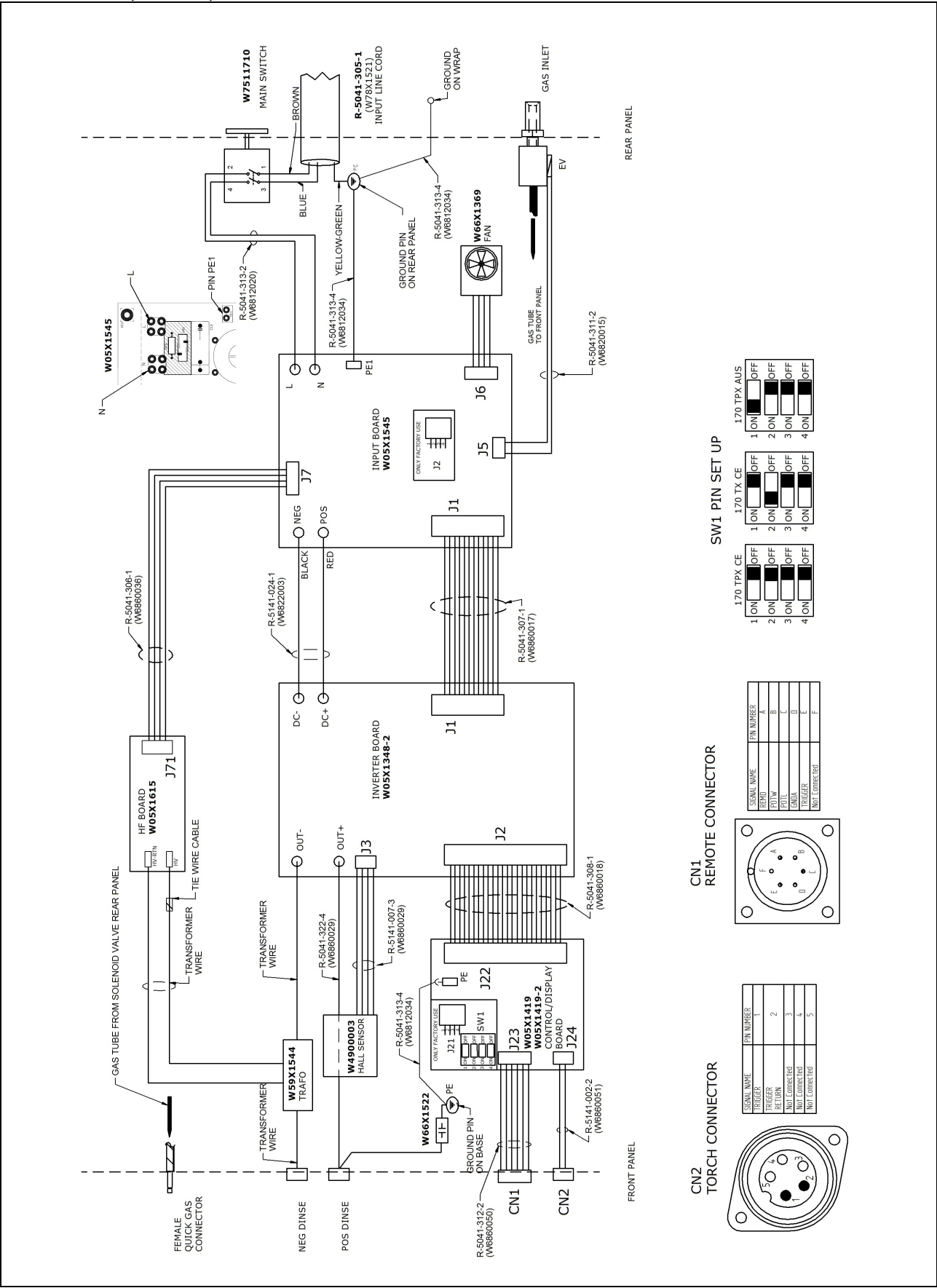
Figure B

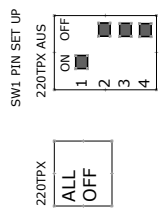
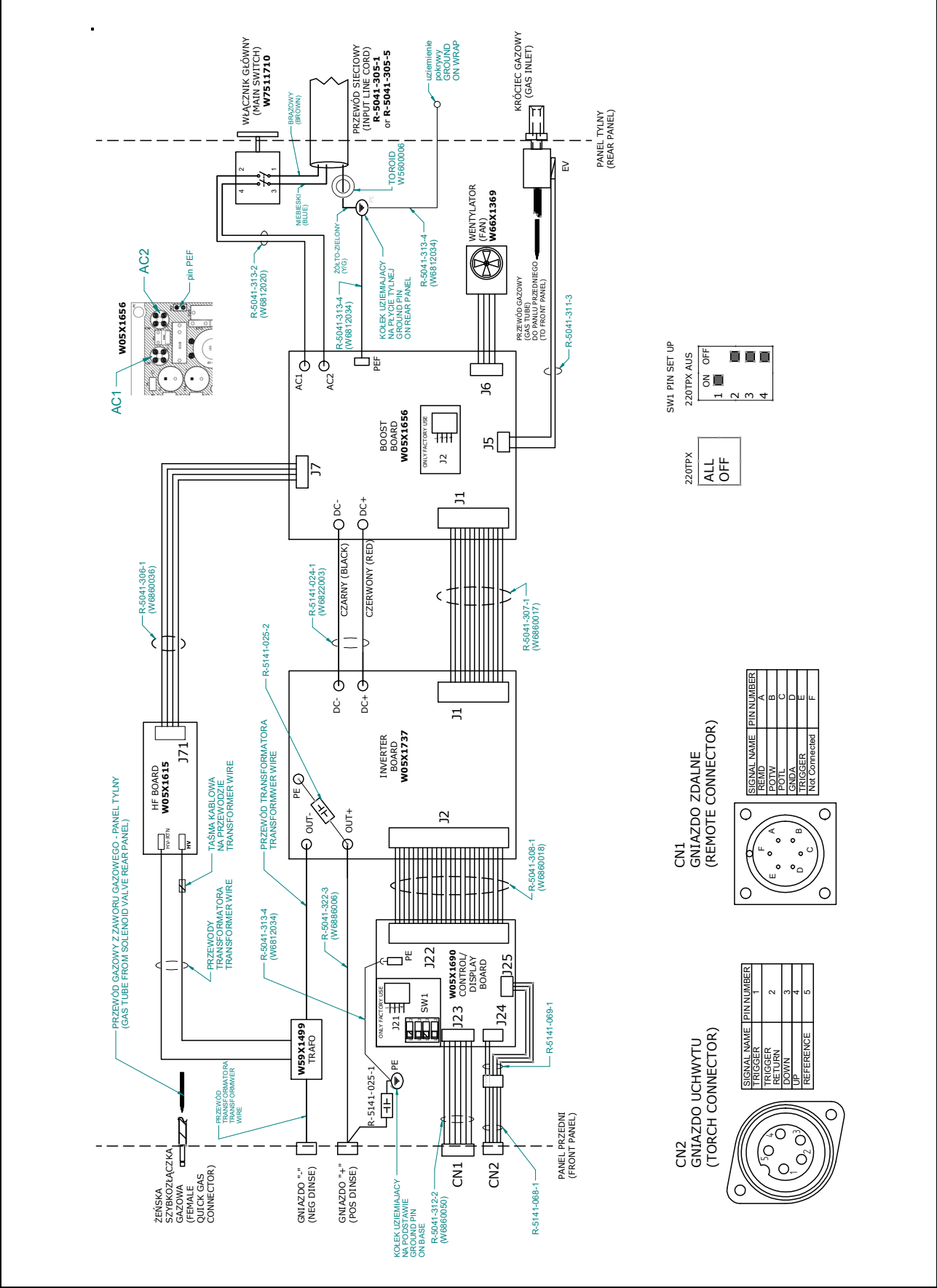
**Figure B: 220TPX Machine Assembly**

| Item | Description                     | Part Number       | QTY      | 1        | 2        | 3 | 4 | 5 | 6 | 7 |
|------|---------------------------------|-------------------|----------|----------|----------|---|---|---|---|---|
| 1    | MAIN FRAME                      | W93X1379R         | 1        | X        | X        |   |   |   |   |   |
| 1A   | + FRONT NAMEPLATE               | + W07X1393R       | 1        | X        | X        |   |   |   |   |   |
| 2    | WRAPAROUND                      | R-1019-392-1R     | 1        | X        | X        |   |   |   |   |   |
| 3    | HANDLE                          | W92X0228-8R       | 1        | X        | X        |   |   |   |   |   |
| 4    | FRONT/REAR HANDLE               | W95X1387R         | 2        | X        | X        |   |   |   |   |   |
| 5    | KIT 4 ANTI-SLIP FOOT            | W95X1149R         | 1        | X        | X        |   |   |   |   |   |
| 6    | <b>CONTROL P.C. BOARD</b>       | <b>W05X01690R</b> | <b>1</b> | <b>X</b> | <b>X</b> |   |   |   |   |   |
| 7    | <b>INPUT P.C. BOARD</b>         | <b>W05X1656R</b>  | <b>1</b> | <b>X</b> | <b>X</b> |   |   |   |   |   |
| 8    | <b>INVERTER P.C. BOARD</b>      | <b>W05X1737R</b>  | <b>1</b> | <b>X</b> | <b>X</b> |   |   |   |   |   |
| 9    | HF P.C. BOARD                   | W05X1615R         | 1        | X        | X        |   |   |   |   |   |
| 10   | HF TRANSFORMER                  | W59X1499R         | 1        | X        | X        |   |   |   |   |   |
| 11   | MAIN SWITCH                     | W7511710R         | 1        | X        | X        |   |   |   |   |   |
| 12   | INPUT CORD CE                   | R-5041-305-1R     | 1        | X        | -        |   |   |   |   |   |
|      | INPUT CORD AUS                  | R-5041-305-5R     | 1        | -        | X        |   |   |   |   |   |
| 13   | CABLE CLAMP WITH NUT            | W8400006R         | 1        | X        | X        |   |   |   |   |   |
| 14   | KNOB WITH FELT                  | W8707653R         | 1        | X        | X        |   |   |   |   |   |
| 15   | FAN                             | W66X1369R         | 1        | X        | X        |   |   |   |   |   |
| 16   | TRIGGER TORCH CONNECTOR         | R-5141-068-1R     | 1        | X        | X        |   |   |   |   |   |
| 17   | REMOTE CONTROL CONNECTOR        | R-5041-312-2R     | 1        | X        | X        |   |   |   |   |   |
| 18   | DINSE CONNECTOR                 | C-2986-001-2R     | 2        | X        | X        |   |   |   |   |   |
| 19   | ASSEMBLE CAP. 4n7 250Vac        | R-5141-025-1R     | 1        | X        | X        |   |   |   |   |   |
| 20   | <b>SOLENOID VALVE</b>           | <b>W8500011R</b>  | <b>1</b> | <b>X</b> | <b>X</b> |   |   |   |   |   |
| 21   | FITTING 1/4-1/8 + NUT 1/4       | W8896074R         | 1        | X        | X        |   |   |   |   |   |
| 22   | FITTING QUICK CONNECTION PU 1/8 | W8800082R         | 1        | X        | X        |   |   |   |   |   |

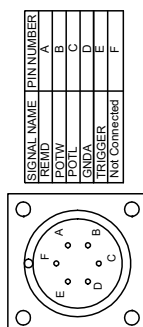
# Electrical Schematic

Code 52111, 52112, 52122





CN1  
GNIAZDO ZDALNE  
(REMOTE CONNECTOR)



CN2  
GNIAZDO UCHWYTU  
(TORCH CONNECTOR)

