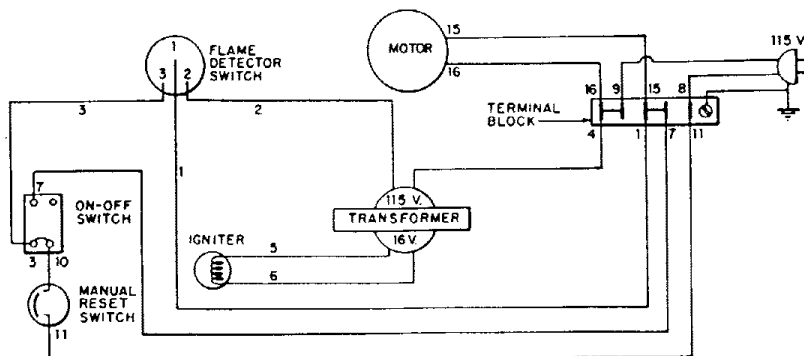


Figure 4. Exploded View

Wiring Diagram



| Figure & Index No. | Part Number | Part Name   | Quantity |
|--------------------|-------------|---|----------|
| 4-1                | M4396       | Handle  | 1        |
| 4-2                | WLI-4       | Lock washer, int. teeth, 1/4 in.                                  | 2        |
| 4-3                | RPC4-4      | Screw, Phillips rd. hd., 1/4-20 x 1/2 in.                         | 2        |
| 4-4                | M4843       | End cover   | 2        |
| 4-5                | RPF3-5      | Screw, Phillips rd. hd., No. 10-32 x 5/8 in.                      | 8        |
| 4-6                | NLF-3       | Nut, Flex Loc No. 10-32   | 4        |
| 4-7                | WP-3        | Washer  | 8        |
| 4-8                | M3353       | Filler cap  | 1        |
| 4-9                | M6620       | Fuel tank assembly  | 1        |
| 4-10               | M5855       | Fuel filter assembly  | 1        |
| 4-11               | M6577       | Standpipe assembly  | 1        |
| 4-12               | M6688       | Screen  | 1        |
| 4-13               | M6652       | Drain pipe cap, 1/4 in.   | 1        |
| 4-14               | M6588       | Drain pipe  | 1        |
| 4-15               | M4927       | Leg assembly  | 2        |
| 4-16               | M6611       | Side panel  | 1        |
| 4-17               | M6612       | Control side panel  | 1        |
| 4-18               | RF3-5       | Screw, Rd. hd, No. 10-32 x 5/8 in.                                | 8        |
| 4-19               | WLI-3       | Lock washer, int. teeth, No. 10                                   | 8        |
| 4-20               | M5776       | Plug button   | 1        |
| 4-21               | M6613       | Igniter access door   | 1        |
| 4-22               | RF3-5       | Screw, Rd. hd. sheet metal, No. 8 x 3/8 in.                       | 1        |
| 4-23               | M6618       | Fuel line, tank to pump   | 1        |
| 4-24               | M6621       | Fuel line, pump to solenoid valve                                 | 1        |
| 4-25               | M6617       | Fuel line, valve to burner  | 1        |
| 4-26               | M6665       | Knob  | 1        |
| 4-27               | M6776       | Indicator plate   | 1        |
| 4-28               | M6688       | Switch  | 1        |
| 4-                 | M6789       | Nut, for switch   | 1        |
| 4-                 | M6795       | Nut, for switch   | 1        |
| 4-29               | M6667       | Metering valve  | 1        |
| 4-30               | M6580       | Solenoid valve  | 1        |
| 4-31               | 69248       | Elbow   | 1        |
| 4-32               | M6658       | Flame detector switch   | 1        |
| 4-33               | M6679       | Flame detector shield assembly                                    | 1        |
| 4-34               | STP2-3      | Screw, Phillips rd. hd. sheet metal, No. 8 x 3/8 in.              | 2        |
| 4-35               | M6659       | Manual reset safety switch  | 1        |
| 4-36               | STP2-3      | Screw, Phillips rd. hd. sheet metal, No. 8 x 3/8 in.              | 2        |
| 4-37               | M6650       | Igniter and holder assembly                                       | 1        |
| 4-38               | ST2-4       | Screw Rd. hd, sheet metal, No. 8 x 1/2 in.                        | 1        |
| 4-39               | M6689       | Gasket  | 1        |
| 4-40               | M6578       | Terminal block  | 1        |
| 4-41               | STP2-8      | Screw, Phillips rd. hd. sheet metal, No. 8 x 1 in.                | 1        |
| 4-                 | M5483-2     | Extension cord assembly   | 1        |
| 4-                 | M6595       | Motor, Grille, Transformer and Fan Assembly                       | 1        |
| 4-42               | M6609       | Pump cap  | 1        |
| 4-43               | M5705       | Pump gasket   | 1        |
| 4-44               | M5703       | Pump impeller   | 1        |
| 4-45               | RPC2-3      | Screw, Phillips rd. hd. No. 8-32 x 3/8 in.                        | 4        |
| 4-46               | M5976       | Connector   | 2        |
| 4-47               | M4502       | Fan   | 1        |
| 4-48               | M5721       | Motor   | 1        |
| 4-49               | M5232       | Grille  | 1        |
| 4-50               | STP3-4B     | Screw, Phillips rd. hd. sheet metal, blunt point No. 10 x 1/2 in. | 4        |
| 4-51               | RPC2-3      | Screw, Phillips rd. hd. No. 8-32 x 3/8 in.                        | 4        |
| 4-52               | WLE2        | Lock washer, external, No. 8                                      | 4        |
| 4-53               | M5301-1     | Transformer   | 1        |
| 4-54               | STP2-2-1/2B | Screw, Phillips rd. hd. sheet metal, blunt point No. 8 x 5/16 in. | 2        |
| 4-55               | WLE2        | Lock washer, external, No. 8                                      | 2        |
| 4-56               | M6655       | Burner plate assembly   | 1        |
| 4-57               | STP2-3      | Screw, Phillips rd. hd., sheet metal No. 8 x 3/8 in.              | 4        |
| 4-58               | 69248       | Elbow   | 1        |
| 4-59               | NJF8        | Nut, jam, 1/2-20  | 1        |
| 4-60               | M5675       | Fin assembly  | 1        |
| 4-61               | M6638       | Fuel distributing plate   | 1        |
| 4-62               | M6643       | Spacer  | 6        |
| 4-63               | RPC-2-7SS   | Screw, Phillips rd. hd., stainless steel, No. 8-32 x 7/8 in.      | 7        |
| 4-64               | NPC-2       | Nut, hex, No. 8-32  | 7        |
| 4-65               | M6656       | Air turning vane assembly   | 1        |
| 4-66               | M6600       | Fiberfrax pad   | 1        |
| 4-67               | M6579       | Pad support ring  | 1        |
| 4-68               | M6806       | Drip trough   | 1        |
| 4-69               | M6653       | Drip trough spacer  | 1        |
| 4-70               | M6639       | Fiberfrax drip trough gasket                                      | 1        |
| 4-71               | M6627       | Combustion chamber assembly                                       | 1        |
| 4-72               | M5666       | Perforated sleeve   | 1        |
| 4-73               | STP-2-3     | Screw, Phillips, rd. hd., sheet metal, No. 8 x 3/8 in.            | 3        |
| 4-74               | M5659       | Cone assembly   | 1        |
| 4-75               | M6628       | Combustion chamber  | 1        |
| 4-76               | M6614       | Outer shell assembly  | 1        |
| 4-77               | ST2-3A      | Screw, Phillips rd. hd. sheet metal No. 8 x 3/8 in.               | 1        |
| 4-78               | M6642       | Porcelain bushing, 1/2 in. I.D.                                   | 1        |
| 4-79               | M6641       | Porcelain bushing, 5/16 in. I.D.                                  | 1        |