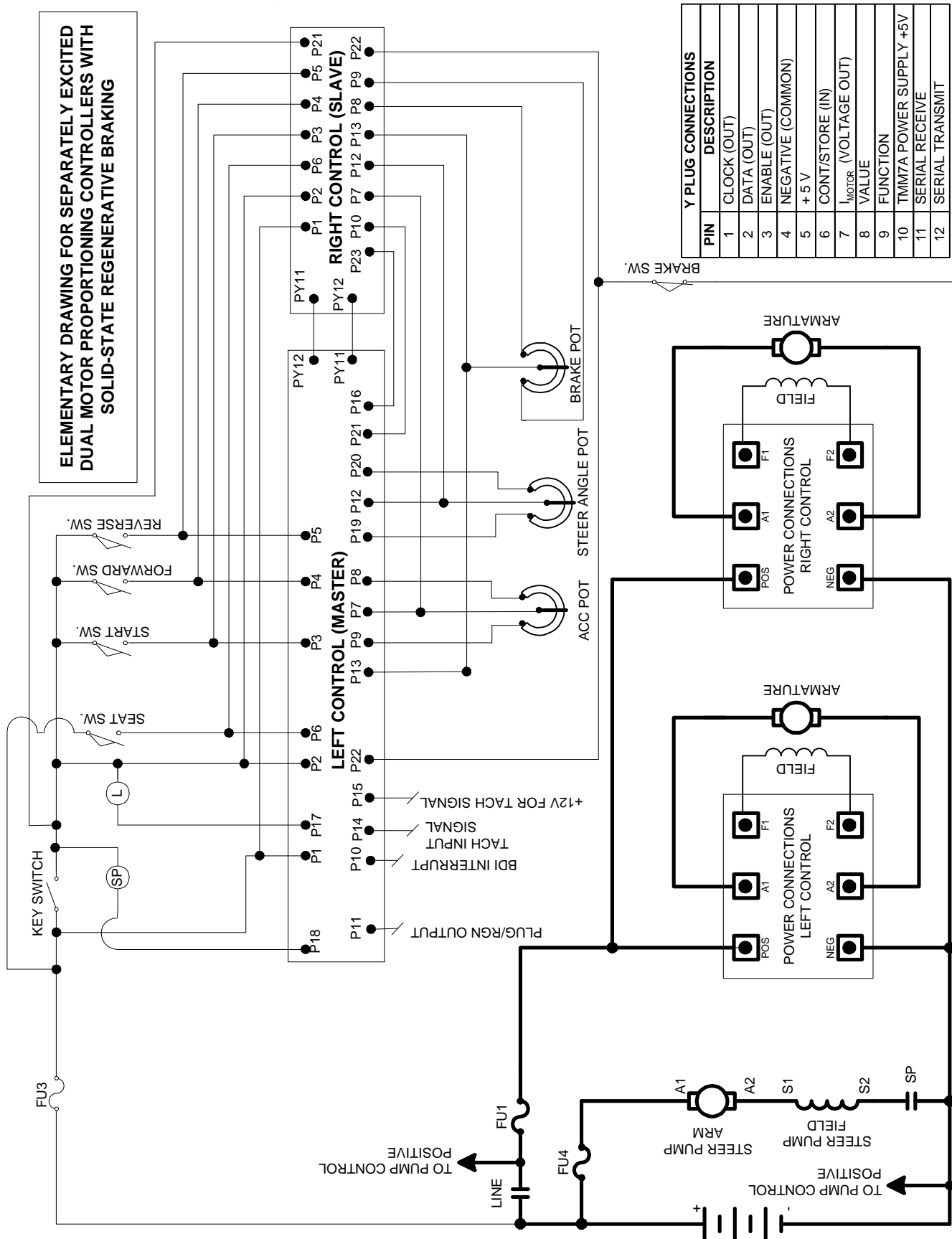


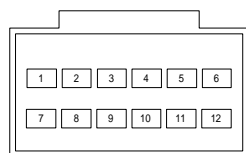
Section 3.3 Dual Motor Proportioning Drive Elementary



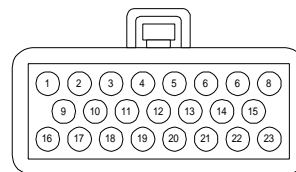
Section 3.4 Dual Motor Proportioning Drive Control Input/Output List

**Connections to Main Plug (23 Pin) and "Y" Plug (12 Pin)**

| STANDARD DUAL MOTOR PROPORTIONING |   |
|-----------------------------------|---|
| PIN                               | MAIN PLUG INPUT/OUTPUT DESCRIPTION          |
| 1                                 | BATTERY VOLTS FROM BATTERY                  |
| 2                                 | BATTERY VOLTS FROM KEY                      |
| 3                                 | BATTERY VOLTS FROM START SWITCH             |
| 4                                 | BATTERY VOLTS FROM FORWARD SWITCH           |
| 5                                 | BATTERY VOLTS FROM REVERSE SWITCH           |
| 6                                 | BATTERY VOLTS FROM SEAT SWITCH              |
| 7                                 | ACCELERATOR INPUT VOLTAGE SIGNAL            |
| 8                                 | ACCELERATOR/BRAKE POTNEGATIVE               |
| 9                                 | ACCELERATOR/BRAKE POT +5 VOLTS SUPPLY       |
| 10                                | BDI INTERRUPT/PMT ENABLE                    |
| 11                                | PLUG/REGEN OUTPUT SIGNAL +12V               |
| 12                                | STEER ANGLE POT WIPER                       |
| 13                                | BRAKE POT WIPER                             |
| 14                                | TACHOMETER INPUT SIGNAL                     |
| 15                                | TACHOMETER +12 VOLTS SUPPLY                 |
| 16                                | MOTOR CURRENT COMPENSATION                  |
| 17                                | LINE CONTACTOR DRIVER AND SUPPRESSION       |
| 18                                | STEER PUMP CONTACTOR DRIVER AND SUPPRESSION |
| 19                                | STEER ANGLE POTENTIOMETER +5V SUPPLY        |
| 20                                | STEER ANGLE POTENTIOMETER NEGATIVE          |
| 21                                | PMT SIGNAL FROM SLAVE/SLAVE KEY             |
| 22                                | BRAKE SWITCH INPUT                          |
| 23                                | MOTOR CURRENT                               |
| MOTOR TRACTION "Y" PLUG           |   |
| PIN                               | INPUT/OUTPUT DESCRIPTION                    |
| 1                                 | CLOCK (OUT) ( DASH DISPLAY-4)               |
| 2                                 | DATA (OUT) ( DASH DISPLAY-3)                |
| 3                                 | ENABLE (OUT) ( DASH DISPLAY-1)              |
| 4                                 | NEGATIVE ( DASH DISPLAY-2)                  |
| 5                                 | +5V SUPPLY ( DASH DISPLAY-5)                |
| 6                                 | CONT/STORE (IN) (HANDSET)                   |
| 7                                 | MOTOR CURRENT                               |
| 8                                 | VALUE (TMMA-9)                              |
| 9                                 | FUNCTION (TMMA-7)                           |
| 10                                | MOTOR CURRENT COMPENSATION                  |
| 11                                | SERIAL RECEIVE                              |
| 12                                | SERIAL TRANSMIT                             |



**WIRE END VIEW "Y" PLUG**



**WIRE END VIEW - MAIN PLUG**