## $C R-1.34158$

PATIENT ASSIST DEVICE PARTS LIST
by
Melvin A. Schrader
Menam C. Hanz

WAS
Contract 陚9-13582
Project No. 13-3702-001
Southwest Research Institute
San Antonio, Texas 78284

Prepared for
NASA Lyndon B. Johnson Space Center
Houston, Texas

29 October 1973


# SOUTHWEST RESEARCH INSTITUTE Post Office Drawer 28510, 8500 Culebra Road San Antonio, Texas 78284 <br> PATIENT ASSIST DEVICE PARTS LIST 

by
Melvin A. Schrader Mean C. Hanz

Contract MIS9-13582
Project No. 13-3702-001
Southwest Research Institute
San Antonio, Texas 78284

Prepared for
NASA Lyndon B. Johnson Space Center Houston, Texas

29 October 1973

Approved:

C. William Hall, M.D., Director Department of Bioengineering

## IN'TRODUCTION

## 1. Scope

This manual contains a complete parts list for the Patient Assist Device.
2. Explanation of columns is given below.
a. Reference No. - Column l

The reference number applied to a component in the schematic diagram in Figure 4 appears in this column.
b. Description - Column 2

Reference name and qualifiers appear in this column.
c. Remarks - Colurnn 3

Remarks of interest concerning reference items appear in this column. SwRI sketches referred to in this column are included immediately following the parts list.











| Contractor <br> Order No. |  | Southwest Re <br> Contract No. | earch Institute <br> NAS 9-13582 | Nomenclature PAT <br> Date Oct. 12, | NT ASSIST DEVICE 3 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { REF. } \\ & \text { NO. } \end{aligned}$ | DESCRIPTION |  |  |  | REMARKS |
| R12 | Resistor, fixed; composition, $1 \mathrm{~K} \Omega 3.5 \%$, $1 / 4 \mathrm{~W}$ |  |  |  |  |
| R13 | Resistor, fixed, composition, $1 \mathrm{~K} \Omega, 5 \%, 1 / 4 \mathrm{~W}$ |  |  |  |  |
| R14 | Resistor, fixed, composition, $1 \mathrm{~K} \ldots 2,5 \%, 1 / 4 \mathrm{~W}$ |  |  |  |  |
| R15 | Resistor, fixed, composition, $1 \mathrm{~K} \sim 2,5 \%, 1 / 4 \mathrm{~W}$ |  |  |  |  |
| R16 | Resistor, fixed,_composition, $1 \mathrm{~K}=3 \%, 1 / 4 \mathrm{~W}$ |  |  |  |  |
| S1, $\mathrm{L}_{24}$ | Switch, Pushbutton, Lighted (with legends "POWER" and "ON" in 7/64" |  |  |  | Microswitch Pushbutton Switch No. 4A2lBFA31 |
|  | type size) |  |  |  | CRJ with lamp no. $\text { ASA } 656$ |
| $\mathrm{S}_{2}, \mathrm{~L}_{23}$ | Switch, Pushbutton, Lighted (with legend "CLEAR" in 7/64" type size) |  |  |  | Microswitch Pushbutton <br> Switch No. 4A21BEA31 |
|  |  |  |  |  | CGL with lamp no. ASA 656 |
| $\mathrm{S}_{3}{ }^{*}$ | Switch, Miniature, Light Force (with $2-3 / 8^{\prime \prime}$ lever as external actuator) |  |  |  | Cherry no. E22-85HX |
| $\mathrm{S}_{4}{ }^{*}$ | Switch, Miniature, Light Force (with 2-3/8'1ever as external actuator) |  |  |  | Cherry no. E22-85HX |
| $\mathrm{S}_{5}{ }^{\text {w }}$ | Switch, Miniature, Light Force (with $2-3 / 8^{\prime \prime}$ lever as external actuator) |  |  |  | Cherry no. E22-85HX |
| Page 11 of 12 Pages |  |  |  |  |  |

* These switches are patient activated and may be replaced by other SPST momentary action switches to

| Order | ctor Southwest Research Institute <br> No. Contract No. NA.S 9-13582 | Nomenclature PATIENT ASSIST DEVICL Date Oct. 12, 1973 |
| :---: | :---: | :---: |
| $\begin{aligned} & \text { REF. } \\ & \text { NO. } \end{aligned}$ | DESCRIPTION | REMARKS |
|  | Cabinet, instrumentation, portable; with | Techmar No. PIC-5H-12W-120-WSH-T |
|  | Panel, Front, modified by SwRI | $\begin{aligned} & \text { SwRI Drawing Nos. } 13- \\ & \$ 702-001-011,-012,-013 \\ & \hline \end{aligned}$ |
|  | Panel, Rear, modified by SwRI | SwRI Drawing Nos. 13- $3702-001-014,-015,-016$ |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| - |  |  |
|  |  |  |
|  |  |  |
| Page 12 of 12 Pages |  |  |

