```
0040  REP  2  LAST  116  25,2024  17632 0          STODL  KLAT
0041  REP  1            25,2025  15176 0                 Q7P
0042  REP  2  LAST  276  25,2026  17175 1          STODL  Q7          Q7 = Q7P
0043  REP  1            25,2027  17363 1                 NEARONE     1.0 -1BIT
0044  REP  2  LAST  116  25,2030  17614 1          STODL  FACTOR
0045  REP  4  LAST  798  25,2031  03624 1                 LAD
0046                     25,2032  57565 0          SIGN   DCOMP
0047  REP  6  LAST  747  25,2033  03327 1                 HEADSUP     MAY BE NOISE FOR DISPLAY P61
0048  REP  2  LAST  116  25,2034  37634 1          STCALL L/D         L/D = - LAD SGN(HEADSUP)

0049  REP  2  LAST  744  25,2035  52063 0                 STARTEN1    RETURN VIA GOTOADDR
0050                     25,2036  47375 0          VLOAD  VXV
0051  REP 14  LAST  790  25,2037  01177 1                 VN          (-7) M/CS
0052  REP  4  LAST  789  25,2040  01760 1                 UNITR       .5 UNIT          REF COORDS
0053                     25,2041  50256 0          UNIT   DOT
0054  REP  4  LAST  770  25,2042  03474 0                 RT          RT/2  TARGET VECTOR      REF COORDS
0055  REP  4  LAST  173  25,2043  03676 0          STORE  LATANG      LATANG = UNI.RT /4
0056                     25,2044  47076 0          DCOMP  RTB
0057  REP 13  LAST  403  25,2045  45707 0                 SIGNMPAC
0058  REP  2  LAST  116  25,2046  17644 1          STODL  K2ROLL      K2ROLL = -SGN(LATANG)

0059  REP  5  LAST  799  25,2047  03624 1                 LAD
0060                     25,2050  43205 1          DMP    DAD
0061  REP  1            25,2051  15200 1                 Q21
0062  REP  1            25,2052  15202 0                 Q22
0063  REP  2  LAST  117  25,2053  03712 0          STORE  Q2          Q2 = -1152 + 500 LAD

0064                     25,2054  66331 0          SSP    SSP
0065  REP  3  LAST  752  25,2055  03646 0                 GOTOADDR    SET SELECTOR FOR INITIAL PASS
0066  REP  1            25,2056  52260 1                 INITROLL
0067  REP  4  LAST  749  25,2057  03325 0                 POSEXIT
0068  REP  1            25,2060  52115 0                 SCALEPOP    SET CM/POSE TO CONTINUE AT SCALEPOP

0069                     25,2061  77634 0          RTB
0070  REP  2  LAST  756  25,2062  53603 1                 SERVNOUT    OMIT INITIAL DISPLAY, SINCE 1ST GUESSRAD

R0071  CALCULATE THE INITIAL TARGET VECTOR'  RTINIT,  ALSO RTEAST, RTNORM  AND  RT.   ALL ARE .5 UNIT AND IN
R0073   REFERENCE COORDINATES.

0074                     25,2063  77220 1  STARTEN1 STQ    VLOAD
0075  REP  4  LAST  799  25,2064  03645 0                 GOTOADDR
0076  REP  8  LAST  634  25,2065  03401 1                 LAT(SPL)    TARGET COORDINATES
0077                     25,2066  43014 0          CLEAR  CLEAR       DO CALL USING PAD RADIUS. WILL UNIT IT.
0078  REP 10  LAST  756  25,2067  00662 0                 ERADPLAG    ANYWAY.
0079  REP 19  LAST  756  25,2070  01663 0                 LUNAPLAG
0080  REP 10  LAST  634  25,2071  15104 0          STODL  LAT
0081  REP  1            25,2072  15332 1                 3ZEROS

0082  REP 11  LAST  799  25,2073  15110 0          STODL  LAT +4      SET ALT=0.
0083  REP 13  LAST  783  25,2074  01205 1                 PIPTIME     ESTABLISH RTINIT AT TIME OF PRESENT
```