



Del Mar ENGINEERING LABORATORIES

INTERNATIONAL AIRPORT • 6901 IMPERIAL HIGHWAY • LOS ANGELES, CALIFORNIA 90045
CABLE • DELMARENG TELEPHONE • (213) 641-7700

5-17-73

BILL :

THIS NOTE WILL GO WITH THE PORTACYCLE
MODEL E-200 WE ARE SHIPPING TO YOU
TODAY. TO OPERATE THE UNIT PUT THE
FRAME & AUTOMATIC TIMER ASSEMBLY ON A
BED OR FLAT SURFACE. LIFT THE PEDAL
POWER ASSEMBLY INTO PLACE ON TOP OF
THE TIMER FACING THE RPM READOUT TOWARD
THE PATIENT, FIRST INSTALLING THE TOE OF
THE POWER ASSEMBLY INTO THE SUPPORT BOX
AT THE END NEAREST THE PATIENT, THEN ROTATE
THE POWER ASSEMBLY CASE DOWN TO A HORIZONTAL
POSITION AND LATCH THE SUITCASE CLAMP TO
HOLD IT THERE. THE UNIT WAS MADE TO
COME ~~APART~~ APART TO MINIMIZE LIFTING WEIGHT
FOR A NURSE AND PREVENT POSSIBLE INJURY
TO THE PATIENT IN PLACING THE FRAME IN POSITION,
IMPORTANT — SEE NEXT PAGE



Del Mar ENGINEERING LABORATORIES

INTERNATIONAL AIRPORT • 6901 IMPERIAL HIGHWAY • LOS ANGELES, CALIFORNIA 90045
CABLE • DELMARENG TELEPHONE • (213) 641-7700

IT IS IMPORTANT THAT BEFORE ATTEMPTING
TO ROTATE THE PEDALS YOU MUST FIRST
TURN THE TIMER TO A TIME SETTING AND
THEN SET THE LATCH TO RELEASE THE
AUTOMATIC BRAKE. ONLY THEN IS THE UNIT
READY TO OPERATE. (REPEAT EACH TIME IN USE)

A SLIDE POINTER IS PROVIDED TO SET
TARGET SPEED. WE REALIZE THE SPEED INDICATOR
NEEDLE IS TOO NARROW TO SEE READILY. BUT
THAT WILL IMPROVE LATER.

THIS UNIT WAS JUST FINISHED THIS
WEEK SO WE HAVE NO CALIBRATION CARD TO
SEND WITH IT, HOWEVER, I THINK YOU MAY
LIKE ITS GENERAL OPERATION & APPEARANCE.

I FIND THE NASA UNIT WE
BUILT WEIGHS ABOUT $11\frac{1}{2}$ LBS AS PICTURED
IN THE ENCLOSED PHOTOS. THE COMMERCIAL



UNIT (^{PEDAL} POWER ASSEMBLY PORTION) WEIGHS 16 LBS
THE NASA UNIT WE ENGINEERED & BUILT
PROVIDES READOUT OF TORQUE, RPM AND
HAS A "MARBLE MACHINE" WORK TOTALIZER
INCLUDED. IT IS UNCALIBRATED, FEELS
RUBBERY AGAINST ITS TORQUE SPRING ACTION
AND IS NOT IN READINESS FOR SPACE
FLIGHT. ANYWAY WE ARE MORE INTERESTED
IN THE MORE ^{PRODUCTIONIZED,} "ADVANCED" AND SIMPLIFIED
COMMERCIAL MODEL WHICH IS AIMED AT
"PRESCRIPTION EXERCISE" IF THERE IS SUCH A
NEED. LET ME KNOW WHAT YOU THINK
OF IT AND GIVE IT AN EVALUATION OF
SOME SORT.

REGARDS

BRUCE