FIGURE V2-C
ANGLE MEASUREMENT WITH HEADFORM SET-UP

DIRECTION OF MOTION

PENDULUM
BASE PLATE

FORE/OUTER ANGLE
POT ASSEMBLY

AFT/INNER ANGLE
POT ASSEMBLY

$\Delta\Theta_{outer}$

HEAD FORM LATERAL
TRANSLATION-ROTATION (β)
CALCULATION:
$\beta = \Delta\Theta_{outer} + \Delta\Theta_{head}$
WHERE β IS THE TOTAL ROTATION OF THE
HEADFORM,
$\Delta\Theta_{outer}$ IS THE CHANGE IN ANGLE MEASURED
BY THE OUTER POTENTIOMETER, AND
$\Delta\Theta_{head}$ IS THE CHANGE IN ANGLE MEASURED
BY THE HEADFORM POTENTIOMETER.
(THE ROD OF THE OUTER POTENTIOMETER ASSEMBLY IS
FIXED VIA SET SCREWS TO THE HEADFORM POTENTIOMETER)

HEADFORM ANGLE
POT ASSEMBLY

HEADFORM ASSEMBLY
(PART #180-9000)