

SIMPLIFIED SYSTEM "SET UP"

Setting up the "Servo Dynamics Amplifier" can be done easily.

The amplifier has conveniently located potentiometers along the top edge of the circuit board.

- 1] Check to be sure all transformer jumpers are correct and the transformers are wired for proper input voltages.
- 2] Verify all input voltages before connecting them to the amplifier.
- 3] Be sure the amplifier is connected per the installation drawing.
- 4] Before applying power
Make sure there is sufficient travel for the machine in case of an emergency.

PRESET THE POTS. AS FOLLOWS

Note: The adjustment pots. are normally 20 turn pots. with the exception of the RMS pot. which is a 1 turn pot.

- AUX. POT. - Fully CCW if not used.
- SIG. POT. - Mid range [10 Turns].
- TACH. POT. - Turn fully CCW then 5 turns CW.
- CMP. POT. - (Compensation) Turn fully CCW then 10 turns CW.
- CL. POT. - (Current Limit) Turn fully CCW.
- BALANCE POT. - Leave alone for now.

- 5] Apply power, but do not apply a signal to the amplifier.
- 6] To check tach. phasing, slowly turn the current limit pot. CW and observe the machine or motor shaft. If the phasing is correct, the motor will stay at rest or move very slowly. If phasing is incorrect the machine will move out of control and try to run away. Turn-off power and reverse the motor or tach. leads.
- 7] Turn power back on and observe the system is now under control.

Note: If the motor shaft continues to rotate slowly as the current limit pot. is increased, there may be an offset problem which can be taken care of by the Balance Pot. You may adjust the balance pot, now if you desire.