

FR-SF OPEN LOOP TEST. USE THIS TO RUN SPINDLE AND THEN CHECK ENCODER SIGNALS.

TITLE: FR-SF SPINDLE CONTROLLER OPEN LOOP

1. DEPRESS MODE SW-1 UNTIL THE ADDRESS DISPLAYS E1.
2. DEPRESS DOWN SW-3 ONE TIME AND THE ADDRESS DISPLAYS 00 0000.
3. DEPRESS SET SW-4 ONE TIME AND THE ADDRESS 00 WILL FLASH ON AND OFF REPEATEDLY.
4. DEPRESS UP SW-2 ONE TIME AND THE DISPLAY WILL BE 00 0001. THIS IS IN OPEN LOOP.
5. DEPRESS SW-4 ONE TIME AND THE ADDRESS 00 WILL QUIT FLASHING.
6. STEP UP SPINDLE REVOLUTIONS SLOWLY. (IF THERE IS A DIFFERENCE, YOU HAVE A PROBLEM IN THE PLG SENSOR, IF NOT, THE SPINDLE CONTROLLER HAS THE PROBLEM).

* NOTE: DO NOT RESET OR POWER OFF/ON WHILE IN OPEN LOOP.

FR-SF SPINDLE CONTROLLER CLOSE LOOP

1. DEPRESS SW-4 ONE TIME AND THE ADDRESS 00 WILL FLASH ON AND OFF.
2. DEPRESS SW-3 ONE TIME AND THE ADDRESS 00 WILL DISPLAY 00 0000, AGAIN. (THIS IS NORMAL RUN CONDITION.)

* NOTE: THIS PROCEDURE IS FOR DETERMINING WHETHER OR NOT PROBLEM IS IN PLG SENSOR OR IN SPINDLE DRIVE. CANNOT RUN MACHINE PROGRAMS IN OPEN LOOP OR DRIVE WILL BLOW.