

DESCO INDUSTRIES INCORPORATED

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COMBINATION TESTER CALIBRATION

EQUIPMENT REQUIRED: - SMALL BLADE SCREWDRIVER OR TRIMPOT ADJUSTING TOOL, MANUFACTURER'S CALIBRATION BOX OR A RESISTOR DECADE BOX OR DISCRETE RESISTORS, WITH APPROPRIATE TEST LEADS.

PREPARATION OF THE UNIT:

1. MAKE SURE THAT A FRESH 9 VOLT ALKALINE BATTERY IS INSTALLED.
2. ORIENT TESTER SO THAT IT CORRESPONDS TO FIGURE 1.

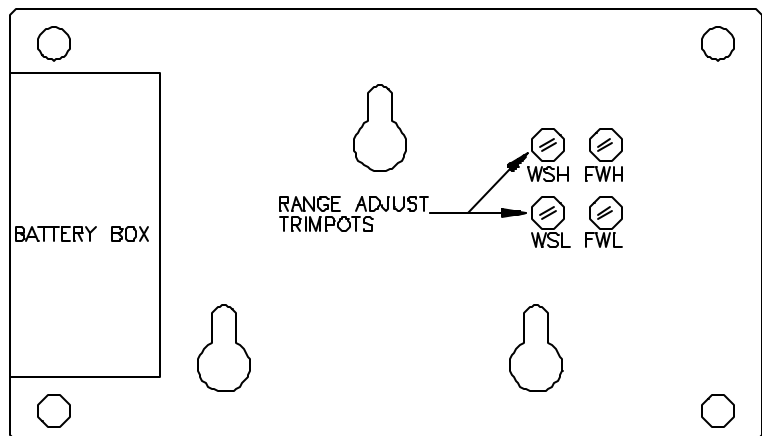


Figure 1

CALIBRATION OF WRIST STRAP RANGES:

3. CONNECT RESISTANCE "A" FROM TABLE 1 OR 2 BETWEEN THE TOUCH PLATE AND THE "WRIST CORD" BANANA JACK. **A BANANA PLUG MUST BE INSERTED IN THE BANANA JACK TO PROPERLY TEST THE WRIST STRAP RANGES.** PRESS AND **HOLD** THE TOUCH PLATE. THE RED "FAIL LO" LED SHOULD BE ON.
4. IF REQUIRED, ADJUST **WSL** TRIMPOT TO THE POINT WHERE "FAIL LO" LED JUST COMES ON.
5. CONNECT RESISTANCE "B" AND PRESS SWITCH AS IN STEP 3. THE GREEN "PASS" LED SHOULD BE ON. THE **WSL** TRIMPOT MAY REQUIRE A SLIGHT RE-ADJUSTMENT.
6. CONNECT RESISTANCE "C" (**WRIST STRAP RANGE**) AND PRESS SWITCH AS IN STEP 3. THE GREEN "PASS" LED SHOULD BE ON. IF REQUIRED, ADJUST **WSH** TRIMPOT TO THE POINT WHERE THE GREEN "PASS" LED JUST COMES ON.
7. FINALLY, CONNECT RESISTANCE "D" (**WRIST STRAP RANGE**) AND PRESS SWITCH AS IN STEP 3. THE "FAIL HI" RED LED SHOULD BE ON. THE **WSH** TRIMPOT MAY REQUIRE RE-ADJUSTMENT.
8. RE-CHECK TO INSURE THAT ALL RANGES ARE CORRECT, THEN PROCEED TO CALIBRATE FOOT WEAR RANGES AS OUTLINED ON THE NEXT PAGE.

RANGE	FAIL LO	PASS LO	PASS HI	FAIL HI
WRIST STRAP	675K	825K	8.5M	11.5M
FOOT WEAR	675K	825K	80M	120M
RESISTANCE	"A"	"B"	"C"	"D"

TABLE 1 - STANDARD RANGES

RANGE	FAIL LO	PASS LO	PASS HI	FAIL HI
WRIST STRAP	675K	825K	35M	40M
FOOT WEAR	675K	825K	35M	40M
RESISTANCE	"A"	"B"	"C"	"D"

TABLE 2 -EUROPEAN RANGES

CALIBRATION OF FOOT WEAR RANGES:

9. CONNECT RESISTANCE "A" FROM TABLE 1 OR 2, **THIS TIME BETWEEN THE TOUCH PLATE AND THE "FOOTPLATE" BANANA JACK ON THE LEFT SIDE OF THE TESTER.** FOR FOOT-WEAR CALIBRATION, PRESS AND **HOLD** THE TOUCH PLATE. THE RED "FAIL LO" LED SHOULD BE ON.
10. IF REQUIRED, ADJUST **FWL** TRIMPOT TO THE POINT WHERE THE "FAIL LO" LED JUST COMES ON.
11. CONNECT RESISTANCE "B" AND PRESS SWITCH AS IN STEP 9. THE GREEN "PASS" LED SHOULD BE ON. THE **FWL** TRIMPOT MAY REQUIRE A SLIGHT RE-ADJUSTMENT.
12. CONNECT RESISTANCE "C" (**FOOT WEAR RANGE**) AND PRESS SWITCH AS IN STEP 9. THE GREEN "PASS" LED SHOULD BE ON. IF REQUIRED, ADJUST **FWH** TRIMPOT TO THE POINT WHERE THE GREEN LED JUST COMES ON.
13. FINALLY, CONNECT RESISTANCE "D" (**FOOT WEAR RANGE**) AND PRESS SWITCH AS IN STEP 9. THE RED "FAIL HI" LED SHOULD BE ON. THE **FWH** TRIMPOT MAY REQUIRE A SLIGHT RE-ADJUSTMENT.
14. RE-CHECK TO INSURE THAT ALL FOOT WEAR RANGES ARE CORRECT.

RETURN UNIT TO SERVICE.