

Start

Does the Indicator Turn on?

YES

NO

IS THE READING ON THE INDICATOR STABLE?

NO

DISCONNECT THE WEIGHBAR INPUT:
DISCONNECT ALL WEIGH BARS FROM THE BOTTOM OF THE INDICATOR.

INSTALL DUMMY PLUGS:
INSTALL DUMMY PLUGS INTO ALL WEIGH-BAR PORTS ON THE BOTTOM OF THE INDICATOR.
NOTE: IN ORDER TO TROUBLESHOOT AN OLDER MODEL 5-PIN TYPE SCALE SYSTEM IT IS NECESSARY TO FIRST ELIMINATE THE INDICATOR AS THE SOURCE OF THE PROBLEM. IF YOU DO NOT HAVE ENOUGH DUMMY PLUGS (WEIGH-BAR SIMULATORS) AVAILABLE TO FILL ALL WEIGH-BAR PORT CONNECTORS AT THE BOTTOM OF YOUR INDICATOR, CONTACT SCALE-TEC 888-962-2344 FOR LOANER DUMMY PLUGS.

ZERO THE INDICATOR:
DEPENDING ON THE MODEL OF INDICATOR YOU MAY HAVE TO ZERO THE INDICATOR UTILIZING THE COARSE ADJUSTMENT, TYPICALLY LOCATED NEAR THE BOTTOM OF THE INDICATOR.

DOES THE WEIGHT STAY STABLE AT ZERO +/- 5 LBS?

YES

NO

YOUR INDICATOR NEEDS REPAIRED. CONTACT SCALE-TEC (888) 962-2344

DISCONNECT ONE OF THE DUMMY PLUGS FROM THE BOTTOM OF THE INDICATOR.
NOTE: THE NEXT STEP IS TO INDIVIDUALLY ISOLATE THE WEIGH-BARS ON YOUR SCALE SYSTEM. UNPLUG ONE OF THE DUMMY PLUGS FROM THE 5-PIN CONNECTOR AT THE BOTTOM OF THE INDICATOR.

IF THE INDICATOR DISPLAYS +RANGE OR -RANGE, ERROR, OR DRIFTS WEIGHT ERRATICALLY....

1. CHECK WEIGH-BAR CABLE FOR BAD OR PINCHED SPOTS.
2. SPLICE WEIGH-BAR CABLE AND REPAIR CABLE WITH SOLDER AND HEAT SHRINK. CONTACT SCALE-TEC 888-962-2344 FOR ANY QUESTIONS.
3. IF NO BAD SPOTS ARE FOUND IN THE CABLE, REPLACE WEIGH-BAR. CONTACT SCALE-TEC 888-962-2344 FOR REPLACEMENT WEIGH-BAR.

IF AFTER PLACING WEIGHT ABOVE THE WEIGHBAR THE INDICATOR DISPLAYS +RANGE OR -RANGE, ERROR, OR DRIFTS WEIGHT ERRATICALLY, OR IS NOT WITHIN SCOPE OF KNOWN WEIGHT....

DOES THE INDICATOR REMAIN AT ZERO WITH NO DRIFTING OR ERRACTIC WEIGHT READINGS?

NO

YES

BAD INDICATOR: IF YOU SUSPECT A BAD INDICATOR, THE EASIEST WAY TO CHECK IS TO TRY ANOTHER INDICATOR. EVEN IF THE INDICATOR IS A DIFFERENT MODEL OR IS SET-UP FOR A DIFFERENT SCALE, IT AT LEAST SHOULD TURN ON.

POOR CONNECTION: POOR CONNECTIONS CAN BE TRICKY. IF IN DOUBT, DON'T JUST TIGHTEN THE CONNECTION. TAKE THEM APPART AND CLEAN THEM FIRST. ANY CONNECTION WITH RUST OR PAINT SHOULD BE SANDED OR WIRE BRUSHED.

BAD BATTERY: IF YOU SUSPECT THE BATTERY, TRY REPLACING IT WITH ANOTHER ONE. DON'T BE FOOLED IF USING A VOLTMMETER TO TEST YOUR BATTERY. A WEAK BATTERY MAY TEST GOOD IF CHECKED WHEN THERE IS NO LOAD ON THE BATTERY.

BAD POWER CABLE: MAKE SURE THE POWER CABLE'S RED WIRE, OR IN SOME CASES WHITE WIRE, IS CONNECTED TO THE PLUS (+) POSITIVE SIDE AND THE BLACK WIRE IS CONNECTED TO THE NEGATIVE SIDE. IF USING A MULTIMETER TO CHECK FOR VOLTAGE, MEASURE BETWEEN 10.5 VDC - 14.5 VDC. CHECK THE TRACTOR RECEPTICAL AS WELL.

CHECK FUSE: CHECK THE FUSE ON THE BOTTOM OF THE INDICATOR. REPLACE IF BAD.

TROUBLESHOOT THE WEIGH-BARS:
1. TRACE THE WIRES AND IDENTIFY THE WEIGH-BARS
2. CONNECT THE WEIGH-BAR INTO THE INDICATOR
3. "ZERO" BALANCE THE INDICATOR

DOES THE INDICATOR STAY STABLE AT ZERO?

NO

YES

PLACE WEIGHT OVER THE TOP OF THE WEIGH-BAR...
1. STEP ON OR PLACE WEIGHT ON TOP OF THE WEIGH-BAR.
2. THE WEIGHT SHOULD DISPLAY POSITIVE.
3. THE WEIGHT SHOULD BE THE KNOWN WEIGHT MULTIPLIED BY THE AMOUNT OF WEIGHBARS ON THE SYSTEM. FOR EXAMPLE....
200 LBS X 4 WEIGHBARS=800 LBS.

DOES THE INDICATOR GO TO A POSITIVE WEIGHT, RETURN TO ZERO AND STABILIZE?

NO

YES

TAP AROUND THE WEIGH-BAR WITH A HAMMER. NOTE: DO NOT TAP ON THE PROTECTIVE SHROUD OF THE WEIGH-BAR AS DAMAGE CAN OCCUR. IF UNABLE TO TAP ON THE WEIGHBAR, TAP ON THE FRAME AROUND IT. THE OBJECTIVE IS TO INDUCE VIBRATION.

AT THIS POINT, THE WEIGH-BAR IS CONSIDERED GOOD. DISCONNECT THIS WEIGH-BAR AND PROCEED TO CHECK ANOTHER.
NOTE: IF UTILIZING A JUNCTION BOX AND ALL WEIGH-BARS TEST BAD, YOUR JUNCTION BOX IS MORE THAN LIKELY THE PROBLEM. CHECK CONTINUITY ON THE JUNCTION BOX CABLE TO VERIFY GOOD OR BAD. CONTACT SCALE-TEC 888-962-2344 FOR A REPLACEMENT JUNCTION BOX OR JUNCTION BOX CABLE.

STAND ON, HANG ON, OR PUT YOUR WEIGHT OVER EACH WEIGH-BAR. DOES YOUR INDICATOR RESPOND TO THE WEIGHT WHEN YOU STAND OR HANG ON THE SCALE?

YES

ARE THE READINGS ALL POSITIVE? IF NOT ONE OF THE WEIGH-BARS MAY BE INSTALLED UPSIDE DOWN.

YES

DOES THE SCALE WEIGH YOU APPROXIMATELY THE SAME OVER ALL WEIGH-BARS? (BUT NOT THE CORRECT WEIGHT)

NO

THE CALIBRATION SETTING ON YOUR INDICATOR MAY NOT BE CORRECT. TO VERIFY CORRECT CALIBRATION REFER TO YOUR WEIGH-BARS. ALL AVERY WEIGH-TRONIX WEIGH-BARS HAVE A CALIBRATION SIZE IDENTIFIED ON A STICKER LOCATED ON THE WEIGH-BAR. IF YOU ARE UTILIZING A WEIGH-BAR OTHER THAN AVERY WEIGH-TRONIX PLEASE CONTACT SCALE-TEC FOR CALIBRATION ASSISTANCE. 888-962-2344.

FOR AVERY WEIGH-TRONIX CALIBRATION PROCEDURES REFER TO YOUR INDICATOR OPERATORS MANUAL. OPERATORS MANUALS ARE AVAILABLE FREE FOR DOWNLOAD AT SCALE-TEC.COM, OR CONTACT 888-962-2344 FOR ASSISTANCE.



Avery Weigh-Tronix

SIMPLY ACCURATE

TROUBLESHOOTING GUIDE FOR OLDER SERIES AVERY WEIGH-TRONIX SCALE INDICATORS WITH 5-PIN BASE CONNECTION.

CONTACT SCALE-TEC FOR REPAIR PARTS AND SERVICE QUESTIONS 888-962-2344

WWW.SCALE-TEC.COM

NOTE: SHOULD YOU FIND A BAD INDICATOR BY TROUBLESHOOTING THE SCALE SYSTEM, AVERY WEIGH-TRONIX NO LONGER SUPPORTS OLDER MODEL INDICATORS. SCALE-TEC STILL KEEPS STOCK OF AVAILABLE PARTS, HOWEVER WE ARE LIMITED ON PARTS AVAILABLE FOR OLDER SERIES INDICATORS AND ARE NO LONGER ABLE TO RESTOCK PARTS ONCE THEY ARE UTILIZED.

NOTE: This troubleshooting method will identify the majority of issues with your scale system, however there may be more required troubleshooting to identify further issues in your scale system. This troubleshooting method does not require ohm testing the weigh-bars. If you ohm the weigh-bars it will not identify a "zero point shift" in a weigh-bar. By utilizing the technique outlined, it will not be necessary to ohm out the weigh-bars, and not require a multi meter for troubleshooting the weigh-bars.