

CALIBRATION TUTORIAL

DIGITAL TORQUE WRENCHES



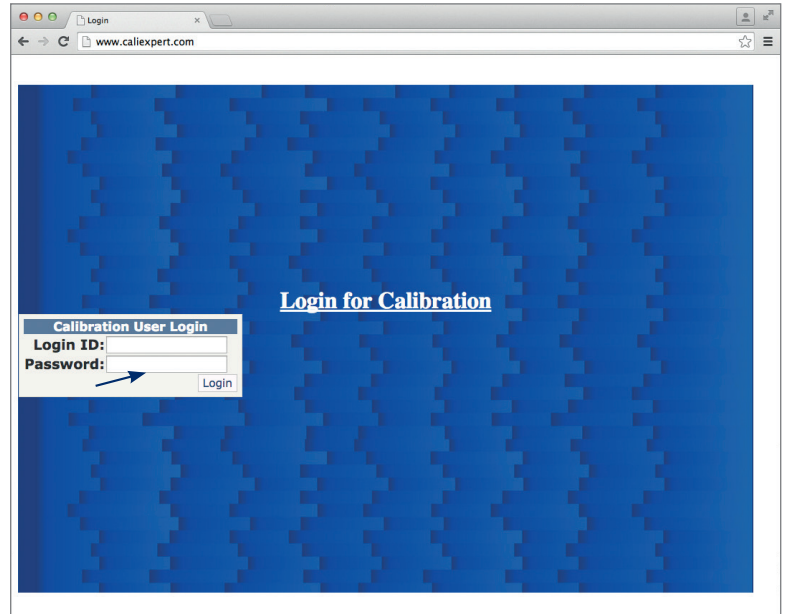
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LOGIN FOR CALIBRATION

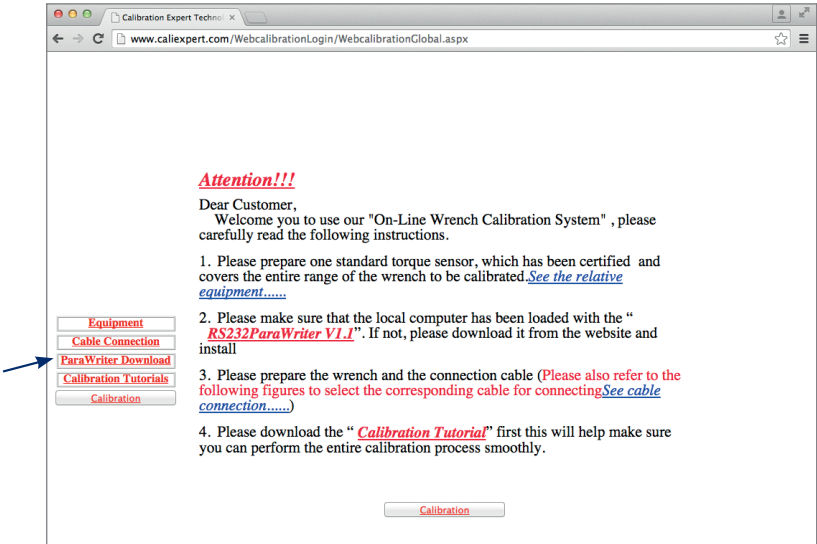
WWW.CALIEPERT.COM

- GO TO HTTP://WWW.CALIEPERT.COM
- ENTER LOGIN ID AND PASSWORD - CLICK THE "LOGIN" BUTTON

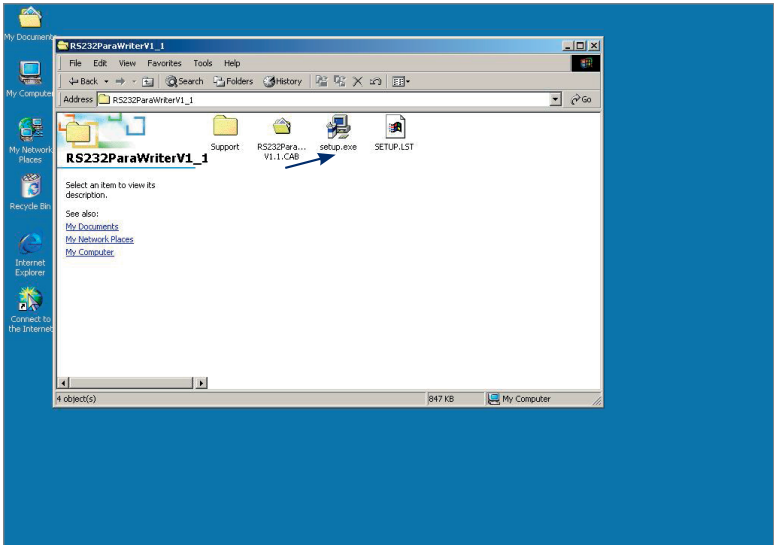


RS232 PARAWRITER INSTALLATION

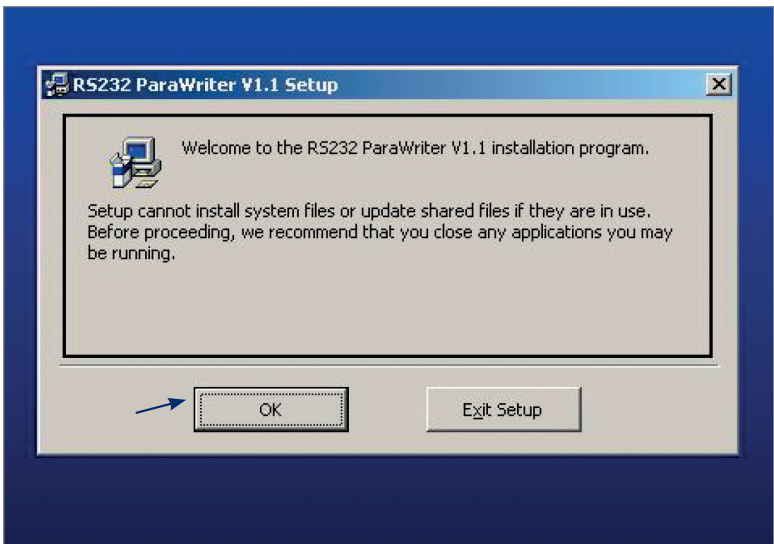
- USERS CAN DOWNLOAD “RS232 PARAWRITER” SOFTWARE (RAR FILE FROM THE WEBSITE WWW.CALIEXPERT.COM)
- EXTRACT THE RAR FILE TO YOUR COMPUTER AND INSTALL IT



- CLICK “SETUP” FOR RS232 PARAWRITER INSTALLATION



- CLICK “OK” FOR THE NEXT STEP



RS232 PARAWRITER INSTALLATION

- CLICK THE PICTURE BUTTON FOR THE NEXT STEP



- CLICK "CONTINUE" FOR THE NEXT STEP



- CLICK "OK" TO FINISH THE INSTALLATION



OPERATION OF RS232 PARAWRITER

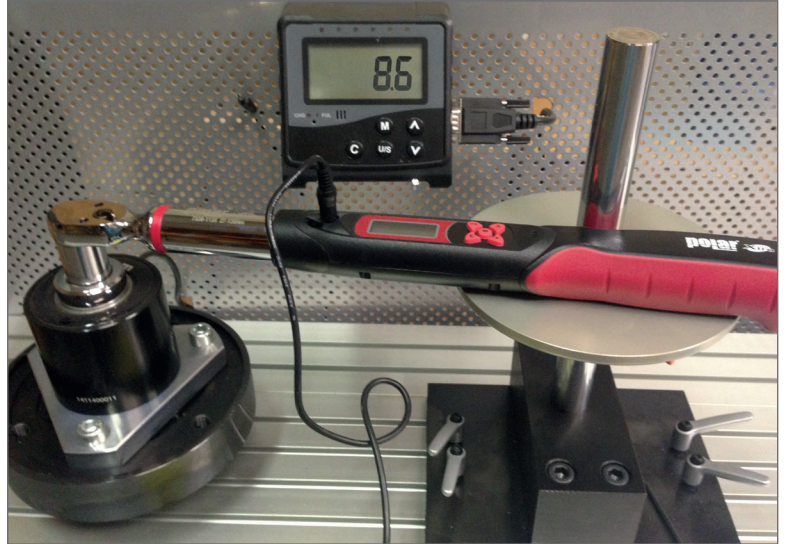
- PREPARE THE **TORQUE VALUES** FIRST

- **CALIBRATION:**

THE TORQUE WRENCH SHALL BE TESTED FIRST AT 20%, THEN AT 60% AND AT 100% OF THE MAXIMUM TORQUE VALUE OF THE TORQUE WRENCH

- **EXAMPLE:**

TORQUE TESTER	WRENCH
68,4	68
205,1	204
341,7	340



- PLEASE PREPARE THE WRENCH AND THE CORRESPONDING CONNECTION CABLE



- FOR TORQUE WRENCHES:

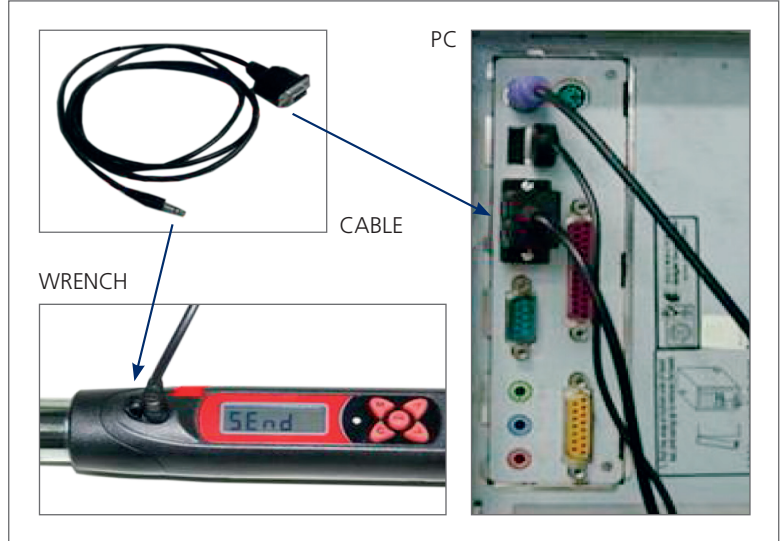


- FOR TORQUE WRENCHES:

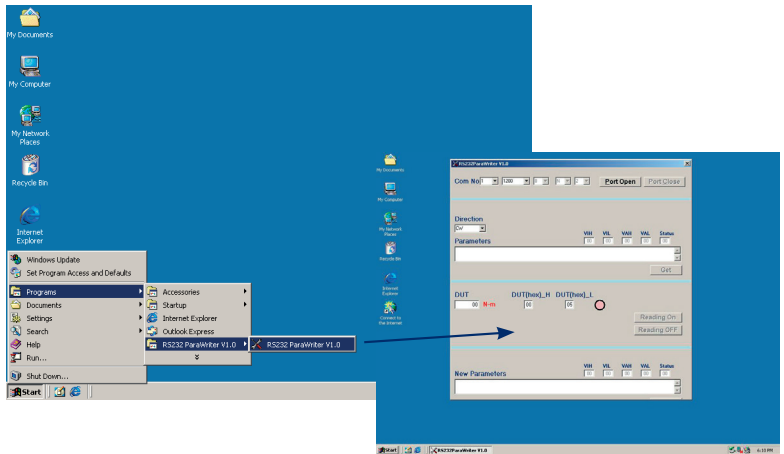


OPERATION OF RS232 PARAWRITER

- CONNECT THE CABLE TO THE COMPUTER AND THE WRENCH RESPECTIVELY
- OPERATE THE WRENCH TO "SEND" MODE

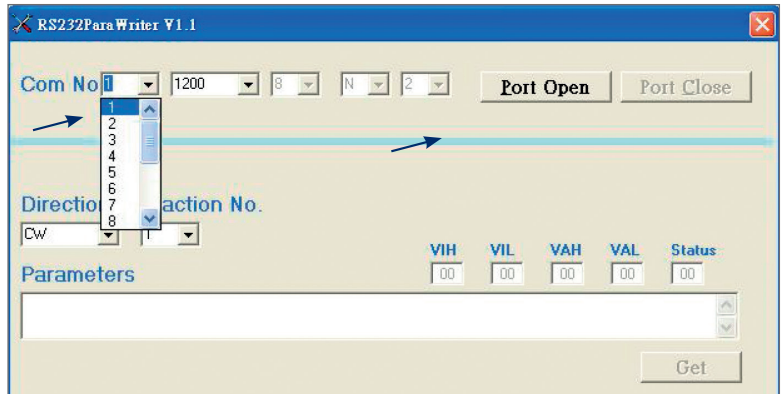


- START RS232 PARAWRITER



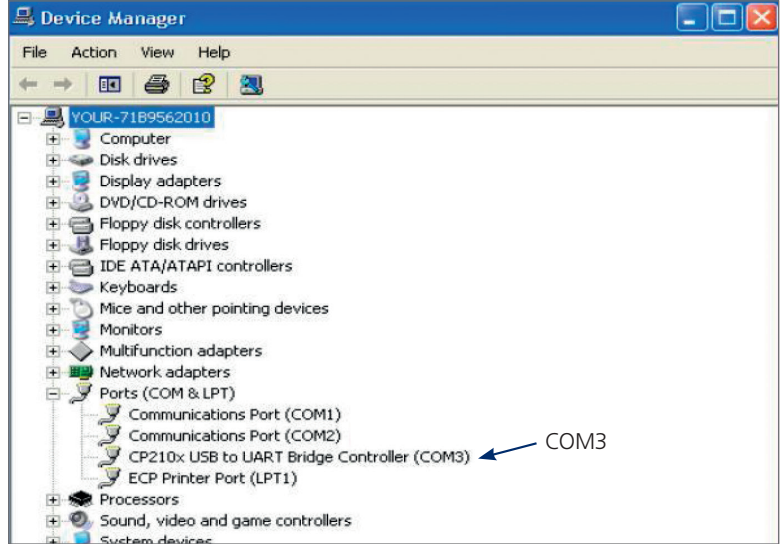
- SELECT THE COMMUNICATION PORT FIRST
- AFTER SELECTION, PLEASE CLICK "PORT OPEN" BUTTON

NORMALLY, THE COMMUNICATION PORT OF DESKTOP IS SELECTED TO BE "COM1" - BUT FOR LAPTOP, THE COMMUNICATION PORT MAY BE "COM3"- "COM10"



OPERATION OF RS232 PARAWRITER

- HOW TO CHOOSE PORT NUMBER?
(USB CABLE ILLUSTRATION)



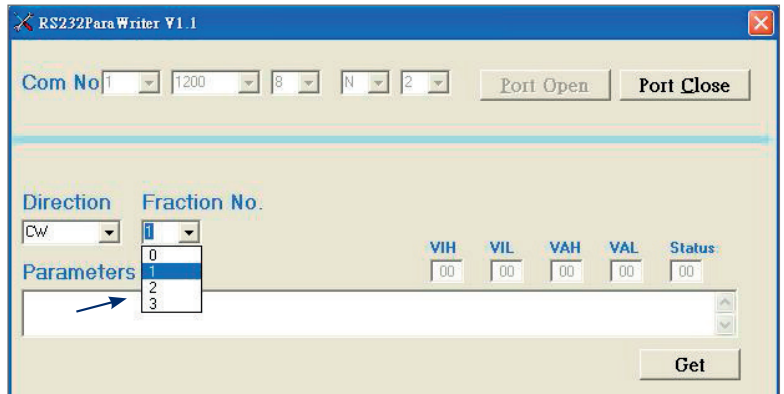
- PLEASE SELECT THE CALIBRATION DIRECTION FIRST

CW: CLOCKWISE
CCW: COUNTER CLOCKWISE



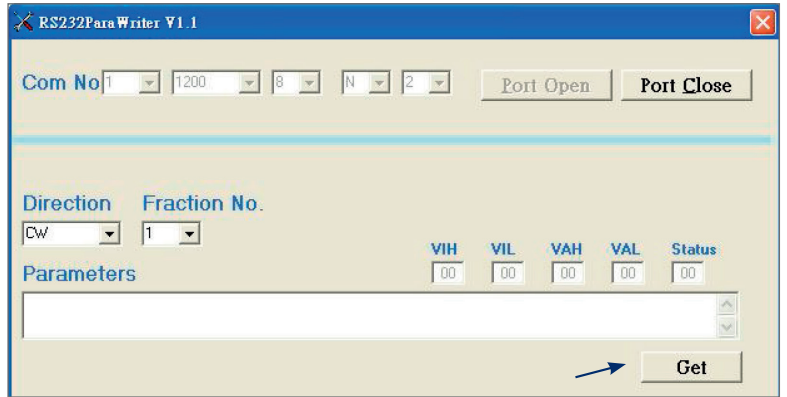
- PLEASE SELECT "FRACTION NO." (DIGITS AFTER DECIMAL POINT) FOR THE WRENCH BEFORE CALIBRATION

PLEASE MAKE SURE YOU HAVE ALREADY SELECTED THE "FRACTION NO." BEFORE CALIBRATION.
EXAMPLE: 30.00 NM → FRACTION NO. = 2
340.0 NM → FRACTION NO. = 1



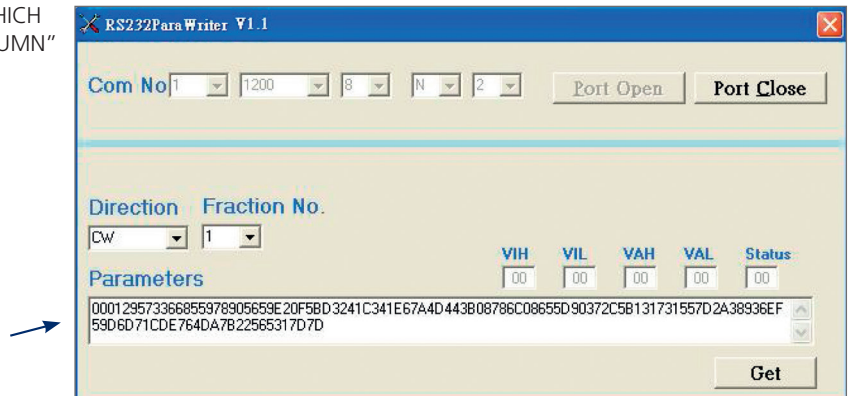
OPERATION OF RS232 PARAWRITER

- PLEASE CLICK THE "GET" BUTTON TO DOWNLOAD PARAMETERS FROM WRENCH



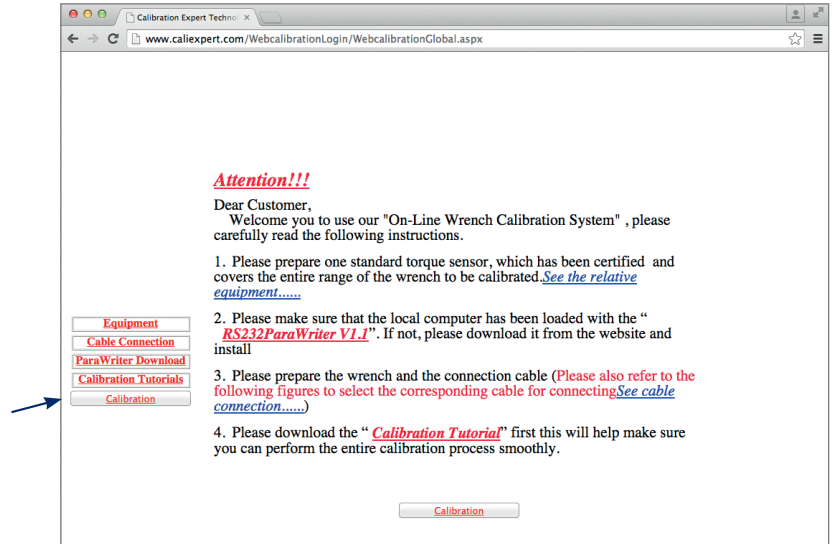
- AFTER READING, YOU CAN GET SEQUENTIAL NUMBERS WHICH ARE SHOWN IN RS232 PARAWRITER'S "PARAMETERS COLUMN"

THE SEQUENTIAL NUMBERS IN "PARAMETERS" WILL BE USED WHEN YOU PROCEED TO THE WEBSITE SUPPORT CALIBRATION.

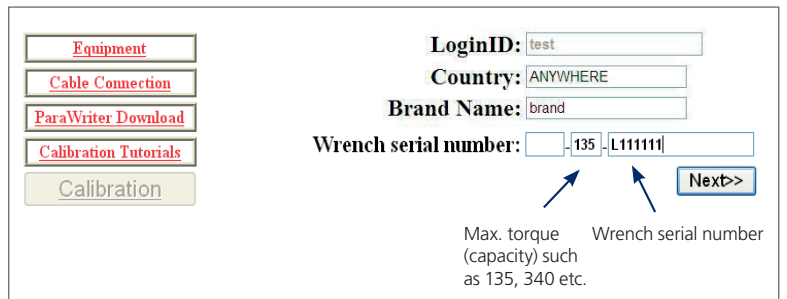


WEB SUPPORT CALIBRATION

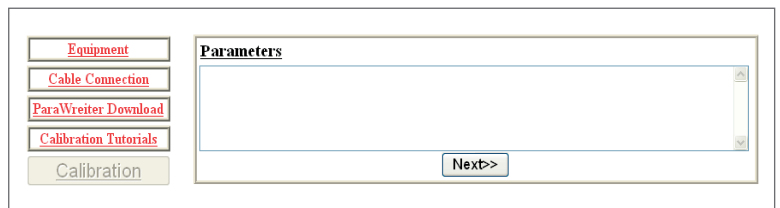
- PLEASE READ THE NECESSARY INFORMATION FIRST BEFORE CALIBRATION. THEN CLICK "CALIBRATION" FOR NEXT STEP



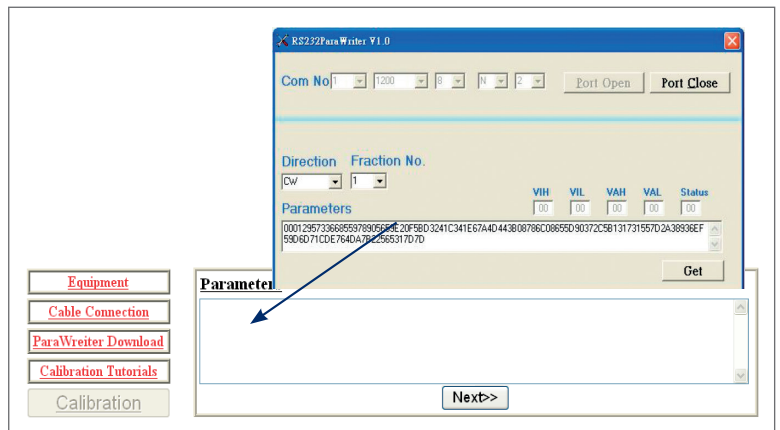
- PLEASE FILL UP THE FOLLOWING COLUMN WITH THE NECESSARY INFORMATION FOR CALIBRATION
- WHEN FINISHING, PLEASE CLICK BUTTON FOR NEXT STEP



- THEN YOU CAN SEE A BLANK COLUMN TO BE FILLED



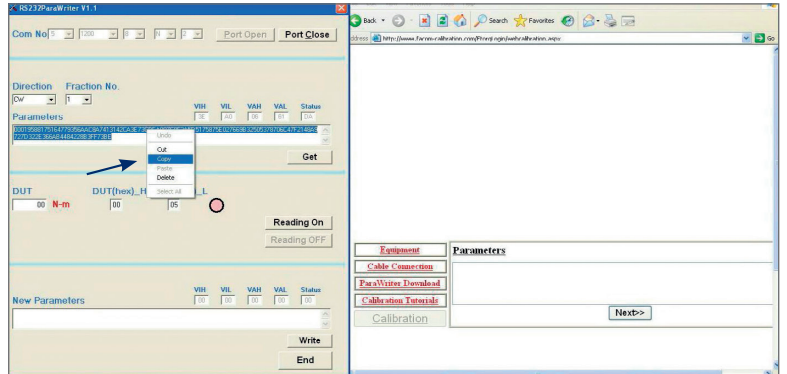
- PLEASE "COPY" THE PARAMETERS FROM RS232 PARAWRITER AND "PASTE" IT TO "PARAMETERS COLUMN" OF WEBSITE



WEB SUPPORT CALIBRATION

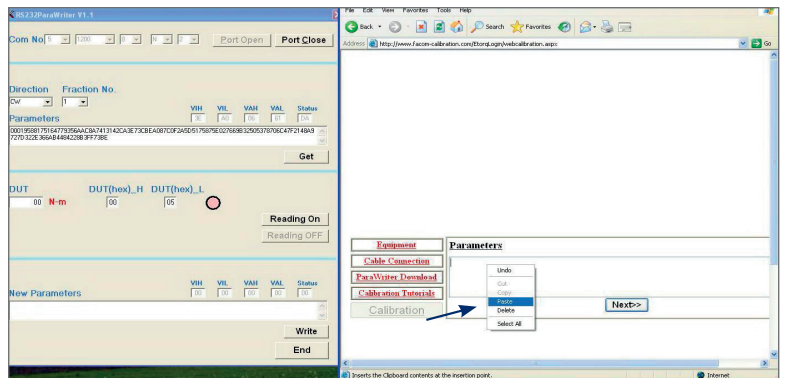
HINT 1:

- CLICK AND DRAG THE MOUSE POINTER OVER THE TEXT YOU WANT TO "COPY" FROM THE COLUMN → RIGHT CLICK THE MOUSE → LEFT CLICK TO CHOOSE "COPY"

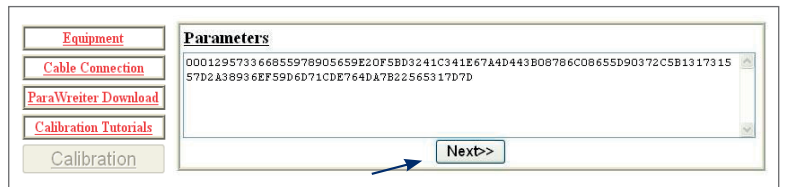


HINT 2:

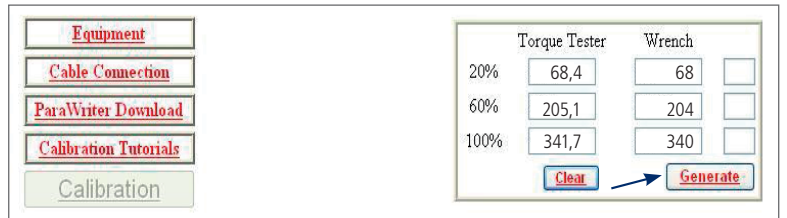
- POSITION THE CURSOR WHERE YOU WANT THE TEXT TO "PASTE" IN THE COLUMN → RIGHT CLICK THE MOUSE → LEFT CLICK TO CHOOSE "PASTE"



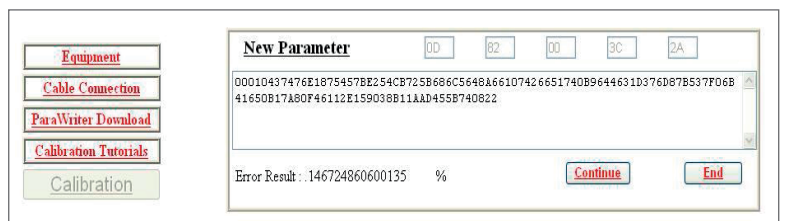
- AFTER FILLING THE COLUMN, PLEASE CLICK "NEXT" BUTTON FOR NEXT STEP



- PLEASE ENTER THE 20%, 60% AND 100% OF MAX. TORQUE FROM THE TESTER AND WRENCH RESPECTIVELY, THEN CLICK "GENERATE" BUTTON FOR NEXT STEP

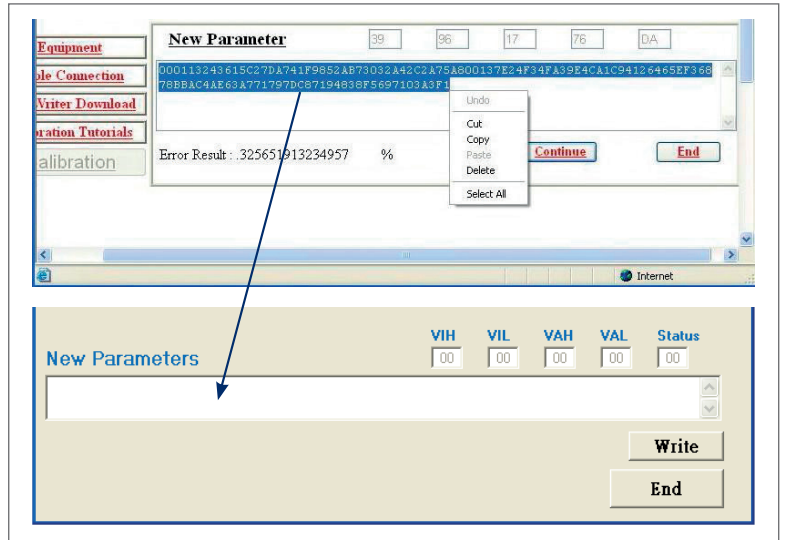


- AFTER CLICKING THE "GENERATE" BUTTON, THE WEBSITE WILL GENERATE SEQUENTIAL NEW PARAMETERS

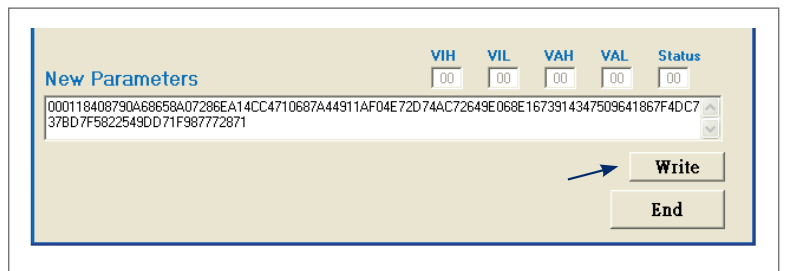


WEB SUPPORT CALIBRATION

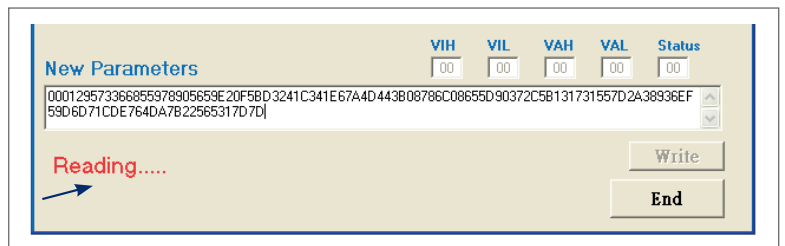
- PLEASE "COPY" THE NEW PARAMETERS FROM WEBSITE AND PASTE IT TO RS232 PARAWRITER'S NEW PARAMETERS COLUMN



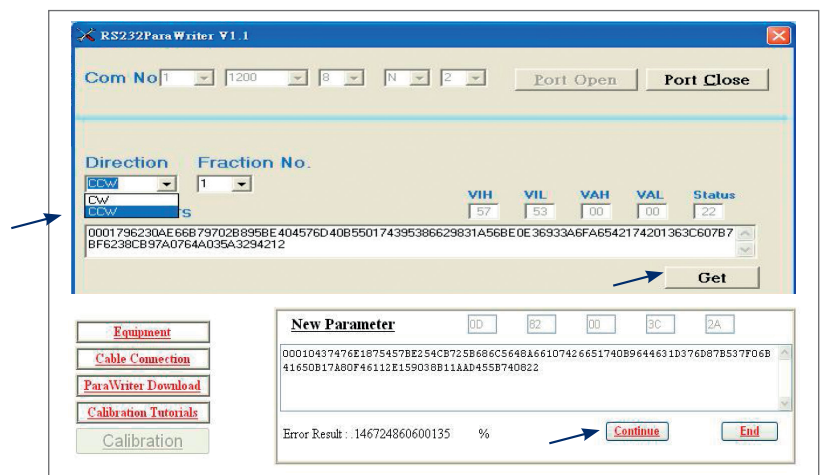
- WHEN FILLING THE RS232 PARAWRITER'S NEW PARAMETER'S COLUMN, PLEASE CLICK "WRITE" BUTTON TO UPDATE THE WRENCH'S PARAMETER



- AFTER CLICKING "WRITING" BUTTON, THE "READING"... WRITING..." LABEL WILL APPEAR
- WHEN WRITING LABEL VANISHING, PLEASE REMEMBER TO RESET OR RE-START THE WRENCH, THEN THE NEW PARAMETERS HAS BEEN SUCCESSFULLY UPDATED TO WRENCH



- IF NECESSARY, PROCEED WITH THE SAME PROCEDURE ONCE AGAIN FOR CCW CALIBRATION



WEB SUPPORT CALIBRATION

- AFTER FINISHING THE CALIBRATION, PLEASE CLICK THE "END" BUTTON TO CLOSE RS232 PARAWRITER

