1. **Action:**

To enter into diagnostic mode press the following three buttons at the same time until all the digits display square eights.

**Result:**

This will turn on all the LEDs in all the price lines at maximum brightness.

**Note:** All grades, both sides of sign must be inspected. If any LED's are out document the position (row, column, grade, digit and quantity).

2. **Action:**

Press the grade button for at least 1 second to go to the next menu item.

**Result:**

- **Grade of Fuel**
  - A = Top price line
  - B = Next price line down
  - C = Next price line down continuing to grade H

- Grade of fuel

- Voltage to price line card (PCC)
  - u = Unleaded red LEDs (15V DC)
  - d = Diesel green LEDs (19V DC)

- Side of sign
  - Price lines on same side of the sign will have same numeric if not then the sign is wired incorrectly.

**Note:** All grades, both sides of sign must be inspected.

3. **Action:**

Press the grade button for at least 1 second to go to the next menu item.

**Result:**

Price line firmware version

- Earlier firmware versions may not support all the functions in this document
- All grade, both side must be the same
- Note: P value may not been same as shown here

**Note:** All grades, both sides of sign must be inspected.

4. **Action:**

Press the grade button for at least 1 second to go to the next menu item.

**Result:**

Host controller firmware version

- Earlier firmware versions may not support all the functions in this document

**Notes:**
- H29 - Changed dimming percent when over temperature to 65
5  **ACTION:**

PRESS THE GRADE BUTTON FOR AT LEAST 1 SECOND TO GO TO THE NEXT MENU ITEM.

**RESULT:**

KEY FOB SIGNAL STRENGTH DIAGNOSTIC NUMBER IS HEXADECIMAL AND WILL FLUCTUATE

![Image of key fob signal strength diagnostic]

**ACTION:**

WAIT 10 SECONDS THEN SELECT UP ARROW BUTTON

**RESULT:**

VALUE WILL INCREASE SHOWING ESTABLISHED COMMUNICATION

NOTE: VALUES ABOVE F.60 ARE ACCEPTABLE

![Image of key fob signal strength diagnostic](image1)

5  **ACTION:**

PRESS THE GRADE BUTTON FOR AT LEAST 1 SECOND TO GO TO THE NEXT MENU ITEM.

**RESULT:**

TEMPERATURE INSIDE THE SIGN IN DEGREES CELSIUS

IF THE SIGN IS HOTTER THAN T.60 THE SIGN WILL APPEAR DIMMER.

IF THE SIGN IS HOTTER THAN T.70 ADDITIONAL VENTING ON THE PRICE LINE THEY ARE DISPLAYED. IT IS IMPORTANT TO VIEW ALL THE PRICE LINES BEFORE PROCEEDING.

*NOTE: IF THE DISPLAY CHANGES AFTER 4 SECONDS TO ANYTHING OTHER THAN T._ _ AN ERROR HAS OCCURRED. ERROR CODES ARE SPECIFIC TO THE PRICE LINE THEY ARE DISPLAYED. IT IS IMPORTANT TO VIEW ALL THE PRICE LINES BEFORE PROCEEDING. ERROR CODES ARE RESET/ERASED AFTER DISPLAYING 19 CONSECUTIVE TIMES (THIS WILL TAKE APPROX 1.5 MINUTES). RECORD ANY ERROR CODE(S) IF YOU ARE UNABLE TO RECORD THE CODE(S) IN THE ALLOTED TIME PRESS THE EXIT KEY AND CYCLE BACK THROUGH THE MENU TO THIS SCREEN (THE DISPLAY CYCLE COUNTER WILL BE RESET)

![Image of temperature inside the sign](image2)

6  **ACTION:**

PRESS THE GRADE BUTTON FOR AT LEAST 1 SECOND TO GO TO THE NEXT MENU ITEM.

**RESULT:**

TEMPERATURE INSIDE THE SIGN IN DEGREES CELSIUS

IF THE SIGN IS HOTTER THAN T.60 THE SIGN WILL APPEAR DIMMER.

IF THE SIGN IS HOTTER THAN T.70 ADDITIONAL VENTING ON THE PRICE LINE THEY ARE DISPLAYED. IT IS IMPORTANT TO VIEW ALL THE PRICE LINES BEFORE PROCEEDING.

*NOTE: IF THE DISPLAY CHANGES AFTER 4 SECONDS TO ANYTHING OTHER THAN T._ _ AN ERROR HAS OCCURRED. ERROR CODES ARE SPECIFIC TO THE PRICE LINE THEY ARE DISPLAYED. IT IS IMPORTANT TO VIEW ALL THE PRICE LINES BEFORE PROCEEDING. ERROR CODES ARE RESET/ERASED AFTER DISPLAYING 19 CONSECUTIVE TIMES (THIS WILL TAKE APPROX 1.5 MINUTES). RECORD ANY ERROR CODE(S) IF YOU ARE UNABLE TO RECORD THE CODE(S) IN THE ALLOTED TIME PRESS THE EXIT KEY AND CYCLE BACK THROUGH THE MENU TO THIS SCREEN (THE DISPLAY CYCLE COUNTER WILL BE RESET)

![Image of temperature inside the sign](image3)
ACTION: PHOTO EYE DIAGNOSTIC
RESULT: 

PHOTO EYE (COVERED WITH GREEN FILM)

NOTE: IF IN DIM MODE DURING THE DAY CONTACT CUSTOMER SUPPORT
NOTE: IF IT DOES NOT PASS FUNCTIONAL TEST DO NOT SHIP. MUST CONTACT AAT SUPPORT

YOU CAN USE A FLASH LIGHT TO SIMULATE DAYTIME MODE

ACTION: SIGN NUMBER
RESULT: 

DISPLAYS 2 DIGITS AT A TIME

ACTION: SIGN NUMBER
RESULT: 

THIS WILL TURN ON ALL THE LEDs IN ALL THE PRICE LINES

ACTION: SIGN NUMBER
RESULT: 

SIGN NUMBER CORRELATES TO THE KEY FOB SIGN BUTTON (SIGN 1 DEFAULT)

ACTION: PRESS THE GRADE BUTTON FOR AT LEAST 1 SECOND TO GO TO THE NEXT MENU ITEM.
RESULT: 

ACTION: PRESS THE GRADE BUTTON FOR AT LEAST 1 SECOND TO GO TO THE NEXT MENU ITEM.
RESULT: 

ACTION: PRESS THE GRADE BUTTON FOR AT LEAST 1 SECOND TO GO TO THE NEXT MENU ITEM.
RESULT: 

ACTION: PRESS THE GRADE BUTTON FOR AT LEAST 1 SECOND TO GO TO THE NEXT MENU ITEM.
RESULT: 

ACTION: PRESS THE GRADE BUTTON FOR AT LEAST 1 SECOND TO GO TO THE NEXT MENU ITEM.
<table>
<thead>
<tr>
<th>Page</th>
<th>Action</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1</td>
<td>Press the grade button for at least 1 second to go to the next menu item.</td>
<td>Price format, decimal location.</td>
</tr>
<tr>
<td></td>
<td>If you want to change the format, press the up and down arrow.</td>
<td>Format: 1 = Canada, 2 = USA.</td>
</tr>
<tr>
<td>13.1</td>
<td>Press the grade button for at least 1 second to go to the next menu item.</td>
<td>Error blanking parameter.</td>
</tr>
<tr>
<td></td>
<td>If you want to change the format, press the up and down arrow.</td>
<td>Format: On = enabled, Off = disabled.</td>
</tr>
<tr>
<td>14.1</td>
<td>Press the grade button for at least 1 second to go to the next menu item.</td>
<td>Cash credit parameter.</td>
</tr>
<tr>
<td></td>
<td>If you want to change the value, press the up and down arrow.</td>
<td>Value: 0 = Cash / Credit disabled, 1 = toggles between cash / credit only every 6 seconds, ... 8 = shows cash value only, 9 = shows credit value only.</td>
</tr>
<tr>
<td>15.1</td>
<td>Press the grade button for at least 1 second to go to the next menu item.</td>
<td>Night time brightness parameter.</td>
</tr>
<tr>
<td></td>
<td>If you want to change the value, press the up and down arrow.</td>
<td>Value: 0 = 2% of full brightness, 1 = 5% of full brightness, ... 7 = 23% of full brightness.</td>
</tr>
<tr>
<td>16.1</td>
<td>Press the exit button.</td>
<td>Price changer will return to normal operation mode.</td>
</tr>
</tbody>
</table>

Press the grade button for at least 1 second to go to the next menu item. If you want to change the value, press the up and down arrow. Press the grade button for at least 1 second to go to the next menu item. If you want to change the value, press the up and down arrow. Press the grade button for at least 1 second to go to the next menu item. If you want to change the value, press the up and down arrow. Press the exit button.