Flow Chart Programming Instructions for : Oil Pressure   2 1/16"
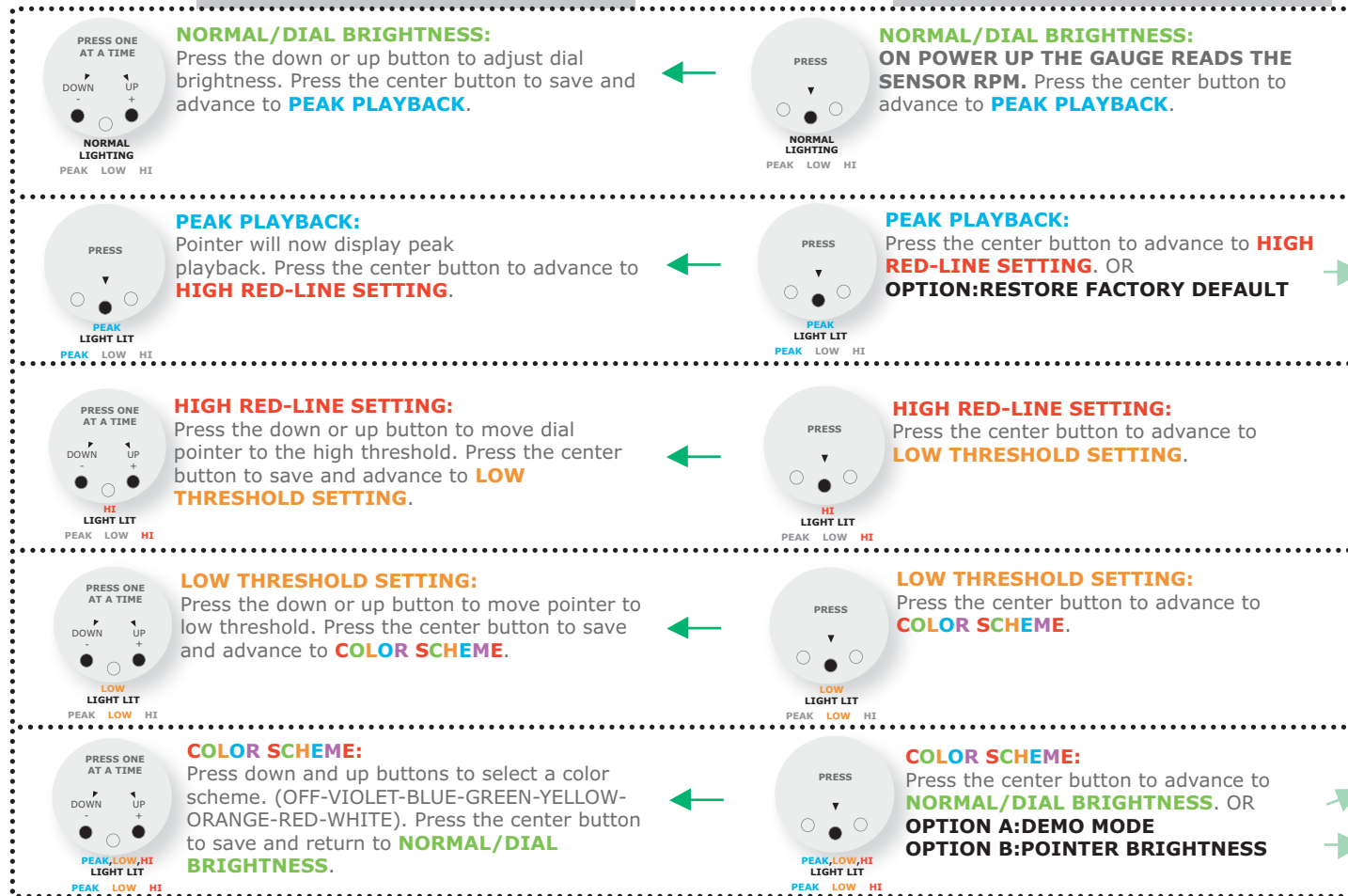
PROGRAM MAIN MENU

(Press one button at a time)

MAIN MENU

PROGRAM MAIN MENU column

PRESS ONE AT A TIME — DOWN – / UP + — NORMAL LIGHTING — PEAK LOW HI

NORMAL/DIAL BRIGHTNESS:
Press the down or up button to adjust dial brightness. Press the center button to save and advance to **PEAK PLAYBACK**.

PRESS — PEAK LIGHT LIT — PEAK LOW HI

PEAK PLAYBACK:
Pointer will now display peak playback. Press the center button to advance to **HIGH RED-LINE SETTING**.

PRESS ONE AT A TIME — DOWN – / UP + — HI LIGHT LIT — PEAK LOW HI

HIGH RED-LINE SETTING:
Press the down or up button to move dial pointer to the high threshold. Press the center button to save and advance to **LOW THRESHOLD SETTING**.

PRESS ONE AT A TIME — DOWN – / UP + — LOW LIGHT LIT — PEAK LOW HI

LOW THRESHOLD SETTING:
Press the down or up button to move pointer to low threshold. Press the center button to save and advance to **COLOR SCHEME**.

PRESS ONE AT A TIME — DOWN – / UP + — PEAK,LOW,HI LIGHT LIT — PEAK LOW HI

COLOR SCHEME:
Press down and up buttons to select a color scheme. (OFF-VIOLET-BLUE-GREEN-YELLOW-ORANGE-RED-WHITE). Press the center button to save and return to **NORMAL/DIAL BRIGHTNESS**.

MAIN MENU column

PRESS — NORMAL LIGHTING — PEAK LOW HI

NORMAL/DIAL BRIGHTNESS:
ON POWER UP THE GAUGE READS THE SENSOR RPM. Press the center button to advance to **PEAK PLAYBACK**.

PRESS — PEAK LIGHT LIT — PEAK LOW HI

PEAK PLAYBACK:
Press the center button to advance to **HIGH RED-LINE SETTING**. OR
OPTION:RESTORE FACTORY DEFAULT

PRESS — HI LIGHT LIT — PEAK LOW HI

HIGH RED-LINE SETTING:
Press the center button to advance to **LOW THRESHOLD SETTING**.

PRESS — LOW LIGHT LIT — PEAK LOW HI

LOW THRESHOLD SETTING:
Press the center button to advance to **COLOR SCHEME**.

PRESS — PEAK,LOW,HI LIGHT LIT — PEAK LOW HI

COLOR SCHEME:
Press the center button to advance to **NORMAL/DIAL BRIGHTNESS**. OR
OPTION A:DEMO MODE
OPTION B:POINTER BRIGHTNESS

● **CAUTION:** FOLLOW WIRING INSTRUCTION CAREFULLY. INCORRECT RELAY WIRING WILL LEAD TO PREMATURE NITROUS OXIDE ACTIVATION.
● **WARNING:** INSTALLATION MUST BE PERFORMED BY AN EXPERIENCED TECHNITION. SYSTEM MUST BE INSTALLED ACCORDING TO MANUFACTURER RECOMMENDATIONS.
● DISCONNECT THE NEGATIVE BATTERY TERMINAL BEFORE INSTALLATION.
● USE CARE WHEN CONNECTING OR DISCONNECTING THE

WIRING HARNESS. PULL OUT EACH CONNECTOR WHILE PRESSING THE LOCK OF THE CONNECTOR FIRMLY.
● NEVER DISASSEMBLE, MODIFY OR TAMPER WITH THE UNIT.
● PROPARTS,LLC IS NOT RESPONSIBLE FOR INCORRECT TURBOCHARGER SIZING, EXCESSIVE EXHAUST PRESSURE, OR INADEQUATE WASTEGATE OPERATION.
● THIS UNIT IS DESIGNED ONLY FOR DC 12V TYPE VEHICLES WITH NEGATIVE GROUND.
● CHECK THE AIR/FUEL RATIO ONCE THE BOOST PRESSURE IS

SET TO PROTECT AGAINST LEAN FUEL SUPPLY THAT COULD CAUSE ENGINE DAMAGE.
● DO NOT USE BOOST CONTROL IN CONJUNCTION WITH ANY TYPE OF "DRAW THROUGH" FUEL SYSTEM.
● DO NOT ADJUST THE UNIT WHILE DRIVING.
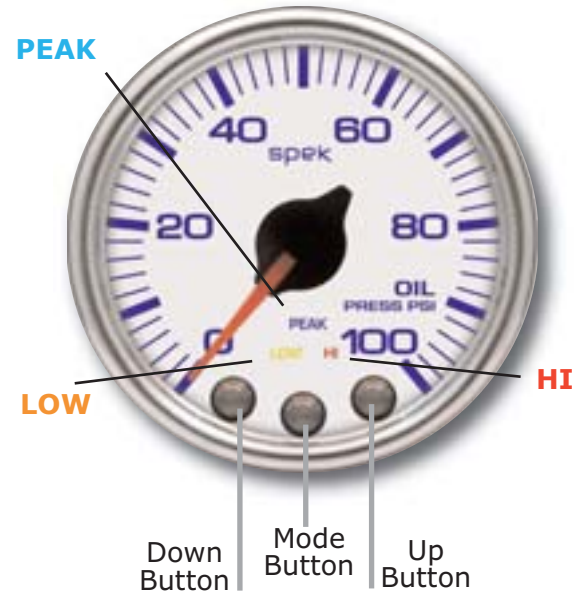● DO NOT USE THIS UNIT UNDER EXTREMELY HOT OR COLD CONDITIONS.
● DISCONTINUE USE OF THIS PRODUCT IF THE GAUGE DOES NOT OPERATE OR A STRANGE ODOR OR SMOKE IS PRESENT.

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A

SUBMENU
(ENTER FROM MAIN MENU)
(Press two(2) buttons simultaneously for 5 seconds)

spek
PERFORMANCE GAUGES

PEAK

40   60
spek
20   80

OIL
PRESS PSI
PEAK
LOW HI   100

LOW   HI

Down Button   Mode Button   Up Button

OPTION:RESTORE FACTORY DEFAULT:
While in **PEAK PLAYBACK**, press and hold the center and right buttons for five seconds. Dial pointer will step five times and return to zero. This will erase all user-programmed calibrations and settings, and return to **NORMAL/DIAL BRIGHTNESS**.

PRESS
PEAK
LIGHT LIT
PEAK LOW HI

OPTION A:DEMO MODE:
WHILE IN **COLOR SCHEME**, press and hold the center and right buttons for five seconds. Dial will scroll through the seven color schemes. The **HI**,**LOW** and **PEAK** will light, and the dial pointer will move. Press the center button to return to **NORMAL/DIAL BRIGHTNESS**.

PRESS BOTH
PEAK,LOW,HI
LIGHT LIT
PEAK LOW HI

OPTION B:POINTER BRIGHTNESS:
While in **COLOR SCHEME**, press and hold the center and left buttons for five seconds to enter pointer brightness mode. The dial pointer will start to flash and point to the upper right.

PRESS BOTH
PEAK,LOW,HI
LIGHT LIT
PEAK LOW HI

OPTION B:POINTER BRIGHTNESS:
Press down and up buttons to adjust the pointer brightness. Press the center button to save and return to **NORMAL/DIAL BRIGHTNESS**.

PRESS ONE AT A TIME
DOWN -   UP +
PEAK,LOW,HI
LIGHT LIT
PEAK LOW HI

SPEK™ MONITOR AND CONTROL

Refer to the "Flow Chart Programming Instructions" while reviewing this guide. Gauge is field programmable by the operator while installed in the vehicle. This programming is accessed by pressing the control buttons located on the face or the meter dial, **ONE AT A TIME**. The "Down" and "Up" buttons move the pointer to a desired setting or controls the faceplate illumination.

DOWN — **MODE** **UP +**
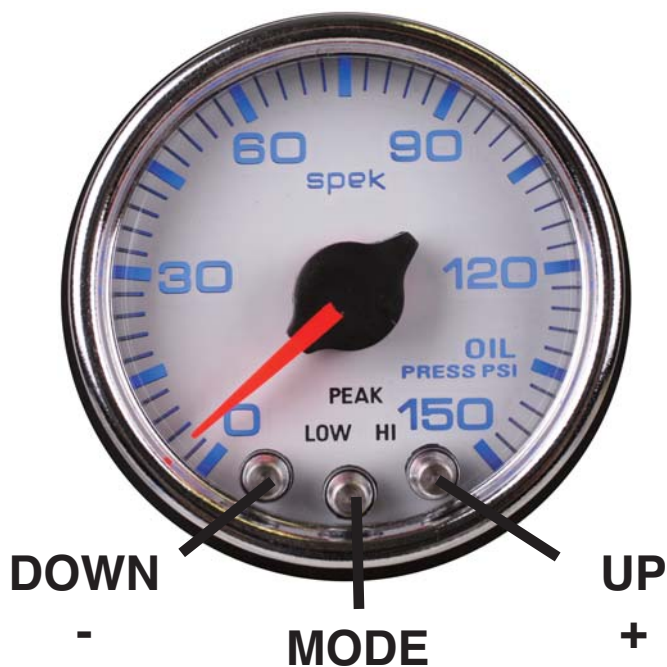
MAIN MENU	SUBMENU
PRESS "MODE" BUTTON TO PROGRAM LEVEL. THEN PRESS BOOTH CENTER AND LEFT OR CENTER AND RIGHT BUTTONS FOR 5 SECONDS TO ENTER SUB MENU.	
NORMAL/DIAL BRIGHTNESS	
PEAK PLAYBACK	OPTION: RESTORE FACTORY DEFAULT
HIGH RED-LINE SETTING	OPTION: SET WATER METHANOL INJECTION TEMPERATURE
LOW THRESHOLD SETTING	OPTION: SET MINIMUM LEVEL OF (BOOST) FOR INJECTION OPTION: SET LEVEL OF (BOOST) WHERE INJECTION TAKES PLACE OPTION: SET THRESHOLD ALERT SIGNAL
COLOR SCHEME	OPTION A:DEMO MODE OR OPTION B:POINTER BRIGHTNESS

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1

PROGRAMMING STARTS IN
MAIN MENU

PRESS PROGRAM BUTTON ONE (1) AT A TIME IN THE **MAIN MENU** MODE.

1   NORMAL/DIAL BRIGHTNESS:

On power up, the meter usually starts operation in **NORMAL/DIAL BRIGHTNESS**. Gauge reads the sensor value as temperature, pressure, etc. The "Down" and "Up" buttons will control the brightness of the dial lighting. Press the center "Mode" button to save the setting and advance you to **PEAK PLAYBACK**

2   PEAK PLAYBACK:

Reads the highest value displayed on the meter since the last time the "**PEAK**" value was displayed. Pressing the "Down" or "Up" control button will control the gauge dial illumination. Press the center "Mode" button to advance to **HIGH RED-LINE SETTING**

3   HIGH RED-LINE SETTING:

Sets the point at which "HIGH" warning threshold is reached for that specific gauge. The "Down and "Up" buttons will move the dial pointer to select **HIGH RED-LINE SETTING**. During normal operation the gauge constantly monitors the sensor value and compares it to the "HIGH" threshold. If the threshold is exceeded, the red "**HI**" indicator is turned on. Press the center "Mode" button to save the setting and advance to **LOW THRESHOLD SETTING**

4   LOW THRESHOLD SETTING:

Set the Minimum Threshold: Sets the point at which "**LOW**" warning threshold is reached for that specific gauge. The "Down" and "Up" buttons will move the dial pointer to select the **LOW THRESHOLD SETTING**. During normal operation the gauge constantly monitors the sensor value and compares it to the "**LOW**" threshold. If the sensor value drops below the threshold, the yellow "**LOW**" indicator is turned on. Press the center "Mode" button save the setting and advance to **5 COLOR SCHEME**

5   COLOR SCHEME:

Set Faceplate Color Scheme: Operator can select the color of the gauge dial illumination. Each time you press the "Down" control button you scroll through dial color selection until the dial light goes off. Then press the "Up" button to reverse the scroll. Select your dial color illumination by pressing the center "Mode" button to save the setting and advance to **NORMAL/DIAL BRIGHTNESS**

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2

SUBMENU

SUBMENU IS ACCESSED THROUGH THE **MAIN MENU**. FIRST GO TO THE APPROPRIATE LEVEL OF THE **MAIN MENU** AND THEN FOLLOW THE INSTRUCTIONS IN THE PROGRAMMING FLOW DIAGRAM TO ENTER THE **SUBMENU**. PRESS THE "MODE" AND "UP" OR "MODE" AND "DOWN" BUTTONS SIMULTANEOUSLY FOR 5 SECONDS TO ENTER THE **SUBMENU** AND ONE BUTTON AT A TIME WHILE IN THAT **SUBMENU**.

OPTION:RESTORE FACTORY DEFAULT: Activation of the Default will erase all field calibration setup settings that are programmed. Factory calibrations will not be affected.

OPTION A:DEMO MODE: Displays the features of the meter. The pointer goes up and down the scale, the dial colors change and the **HI**, **LOW** and **PEAK** warning indicators light. The **DEMO MODE** does not time out. If the gauge is turned off in the **DEMO MODE**, it will start up in the **DEMO MODE**. Press the "Mode" button to return the gauge to NORMAL operation.

OPTION B:POINTER BRIGHTNESS MODE: The "Down" and "Up" buttons adjust the dial pointer brightness to blend in with original manufacturer's gauges and the owner's requirements. Press the "Mode" button to return the gauge to **NORMAL/DIAL BRIGHTNESS.**.

CRITICAL CONDITION ALERT/OUTPUT SIGNAL: The dial faceplate will flash "**Red**" and an output signal generated when the programmed "Threshold Setting" is reached. This setting can be "**HIGH**" or "**LOW**" depending upon the gauge function. That is; a temperature gauge would flash "**Red**" when a "**HIGH**" temperature setting is reached while an oil pressure gauge would flash "**Red**" when the "**LOW**" pressure setting is reached. The operator can turn off this signal through the gauge program. See the PROGRAMMING FLOW CHART. From the main menu press the center mode button 3 times. The "**LOW**" LED will light.You are now in the "LOW THRESHOLD SETTING."

OPTION: THRESHOLD ALERT SIGNAL: While in "Low Threshold Setting: press and hold the center and left buttons for five seconds. Dial pointer will step five times and then go to zero or the twelve o'clock position. Select alert signal status: The alert signal is deactivated if the pointer is at the twelve o'clock position. Pressing the left button selects alert signal "ON". Pressing the right button selects alert signal "OFF"

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3

GAUGE CRITICAL CONDITION
ALERT/OUTPUT GUIDE

GAUGE TYPE	ALERT FLASHES "RED"
TEMPERATURE	HIGH
PRESSURE	LOW
TACHOMETER	HIGH
PYROMETER	HIGH
NITROUS OXIDE PRESSURE	LOW
BOOST PRESSURE	HIGH
AIR/FUEL	LOW
VOLTMETER	LOW

PROGRAMMING INFORMATION:

• TO RESET THE PROGRAM TO NORMAL OPERATION FROM ANY MODE PRESS THE "UP" AND "DOWN" BUTTONS SIMULTANEOUSLY. THIS SOFT RESET CANCELS THE INFORMATION YOU PROGRAMMED IN THAT MODE ONLY AND RETURN YOU TO NORMAL OPERATION.

• THE FACEPLATE WILL "FLASH" WHEN BUTTONS ARE DEPRESSED TO ACKNOWLEDGE COMMANDS.

• PROGRAMMING ERRORS WILL BE SIGNALLED BY FLASHING THE FACEPLATE LIGHTING "PURPLE", "BLUE", "GREEN" THEN "ORANGE".

• IF PROGRAMMING IS INACTIVE FOR 120 SECONDS THE MODE WILL TIME OUT AND THE GAUGE WILL RETURN TO NORMAL OPERATION, EXCEPT FOR IN THE DEMONSTRATION MODE. THE DEMO MODE WILL NOT TIME OUT UNTIL THE CENTER "MODE" BUTTON IS PRESSED. IF THE GAUGE IS TURNED OFF IN THE DEMO MODE, IT WILL START-UP IN THE DEMO MODE.

• TO RESTORE FACTORY DEFAULTS, PRESS THE "MODE" BUTTON ONCE TO ENTER THE PEAK PLAYBACK. THEN PRESS AND HOLD THE "MODE" AND "UP" BUTTONS FOR FIVE SECONDS. YOUR PROGRAMMING WILL BE ERASED BUT FACTORY PROGRAM WILL NOT BE AFFECTED.

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4