


REVISIONS					
REV.	ECO	DESCRIPTION	VERSION	APPROVAL	DATE
F	24464	REVISED PER ECO	6.02.13	CLW	01/15/15
G	24540	REVISED PER ECO	6.02.15	CLW	02/02/15
H	29130	REVISED PER ECO	6.4.0.4	J HOFFMAN	02/06/17
J	32639	REVISED PER ECO	6.5.0.13	J HOFFMAN	01/10/19

**RELEASE NOTES:**

<b>VERSION:</b> <b>6.5.0.13</b>	FILE NAME: ISOAutoBoom_P224V6_5_0_13_MDB_2_51_005.hex SIZE: 1,105,960 BYTES
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VERSION 6.5.0.13 (CRC32 0x37927341)

1. Correct display of center enable/disable when a joystick center button press and hold up occurs.
2. Allow setup and use of a center rack digital height sensor on XT/Slant PCBs (i.e. 217 board).
3. Implement/update switch state actions for PGN 0xFF3F multiplexor Byte 0 of 2
4. Modify output of center rack control state feature enable to output a state of NA when the center control feature is disabled. For PGN 0xFF04. Updates to machine database for JAN machine (don't list for CNH) in machine list and change XT roll rate maxes to 250.
5. Modify response to widget boom disables. The state being used was a define of 2 and the disable comes in with a value of 0.
6. Convert output of heights to millimeters from 0.1mm units for PGN 0xFF04,multiplexor 0x02.
7. PGN 0xFF04 has been corrected to be output periodically at least at a 2 Hz rate for both defined multiplexors.
8. Update machine database to include TerraGator Liquid machine tuneset
9. Added updates to incorporate interface to AutoBoom XRT.
10. Added updates to incorporate interface to Greyhill
11. Added updates to incorporate Viper 4 and other upstream Raven heads widgets interface.
12. Added full alarms masks back in for all gyro/slant XT errors regardless of state of the alarms enable/disable feature.
13. Fixed output of MAXBASEPWM to the VT interface so that it will update on the VT correctly (added into tuning mask allowed outputs).
14. Added updates for enabling/disabling alarms and ability to have tones when "all alarms" have been disabled. No beeps or alarms for too high/too low when "all alarms" have been disabled. No beep when AutoFold changes the master power switch state when "all alarms" have been disabled (AutoFold will beep anyways).

<b>NOTES:</b>						TITLE:			
						<b>SOFTWARE SPECIFICATION, PROGRAM, AUTOBOOM, ISO CAN ECU</b>			
RAVEN INDUSTRIES, INC. SIOUX FALLS, SD 57104			SIZE	DRAWING NUMBER	REV				
DRAWN			NAME	DATE	A	077-0171-224	J		
APPROVED			JRH	05/01/08					
			JRW	05/12/08	CODE	SCALE	SHEET		
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## RELEASE NOTES:

**VERSION: 6.4.0.4**

FILE NAME: ISOAutoBoom\_P224V6\_4\_0\_4\_MDB\_2\_48\_001.hex

SIZE: 1,042,788 BYTES

VERSION 6.4.0.4

1. Improvements to AutoBoom XT functionality.
2. Added JAN sprayer tuneset.
3. Various minor bug fixes.
4. Raven Distributed Software Filtering Criteria
  1. ECU Assembly P/N - 0630130016,0630130024,0630130031,0630130032,0630130040
  2. ECU Version - None
  3. Serial Number - None
  4. ID Number - None
  5. Product Family - None
  6. Function Code - None
  7. Function Instance - None
  8. Mfg. Number - None
  9. Vehicle System - None
  10. Vehicle System Instance - None
  11. ECU Instance - None
  12. Industry Group - None

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**RELEASE NOTES:**

**VERSION: 6.02.15**

FILE NAME: AutoBoom\_P224\_v6\_02\_15\_MDB\_2\_44\_002.hex  
SIZE: 1,257,673 BYTES

VERSION 6.02.15

1. Machine tuneset database change only. Change sensor offsets to 12 inches. Center to 2 inches. MDB to 2\_44\_002

\*Note: Refer to rev G print for additional details.

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# RELEASE NOTES:

**VERSION: 6.02.13**

FILE NAME: AutoBoom\_P224\_v6\_02\_13\_MDB\_2\_44\_001.hex

SIZE: 1,257,673 BYTES

VERSION 6.02.13

1. Added the Danish language files
2. Added 0 length spatial write to Raven CAN side.

\*Note: Refer to rev G print for additional details.

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