

# SmarTrax™ and SmarTrax™ RTK Software Update Details

Version: 4.2 (Serial Number 40246+ and PT controller number 063-0172-784)

Release Date: 10/06/09

Version 4.2 software will only operate with a 063-0172-784 (long box) Smartrax controller and 334-0003-064 or 334-0003-066 hydraulic valves. The 334-0003-066 hydraulic valve needs to be Rev A or later or have the hydraulic enhancement kit installed. Raven also recommends that this version of software not be installed on existing machines with S.P.S. sensors performing to specification unless the customer wants to operate in Last Pass, Pivot, or Fixed Curve modes. If the SPS is mounted incorrectly, the system will lose calibration and not perform to the specification over time.

Ensure that the "FC" adjustment on the SmarTrax valve is unscrewed all the way to the stop before calibrating the system.

To identify if your blocks have been reworked with the hydraulic fix, see next page.

## Download and Installation Instructions

Note: SmarTrax Update Cable 115-0171-484 or 115-0171-692 must be used to do SmarTrax controller updates. This cable does not come standard with SmarTrax systems.

Assisted steering in Last Pass, Pivot and Fixed Curve modes when used with Envizio Plus (3.0 software) and Viper Pro (2.51A Software).

NOTE: The baud rate has been changed to 115,200 in order to facilitate these new steering modes. The baud rate will need to be manually changed back to 38,400 to work with older systems.

NOTE: SmarTrax v4.2 update is not recommended for use with QuickTrax.

## Release Notes

Improved steering on front-mount boom machines.

Enhanced articulated tractor steering performance.

Added Hagie STS tune set.

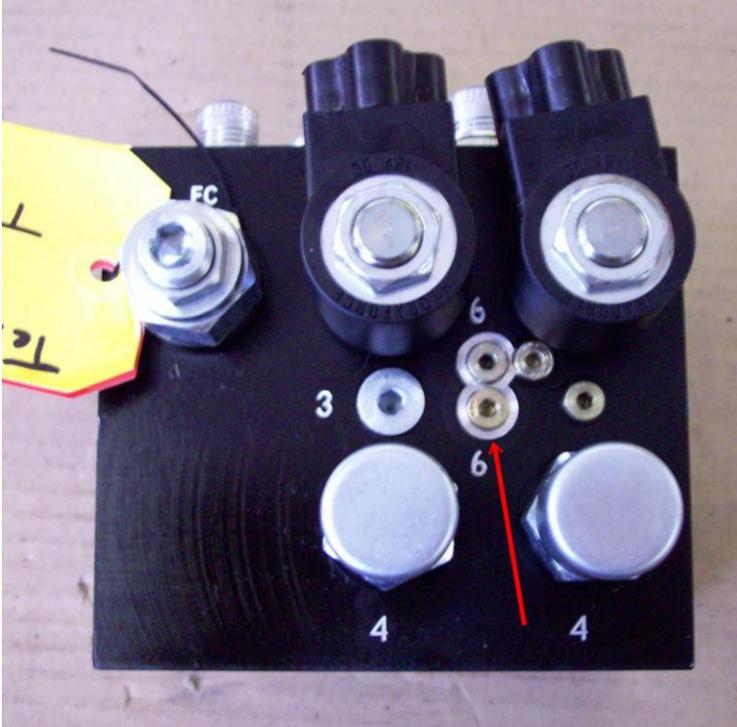
Added Miller Nitro tune set.

Replaced yaw sensor in Miller Nitro kits with a rotary steering position sensor.

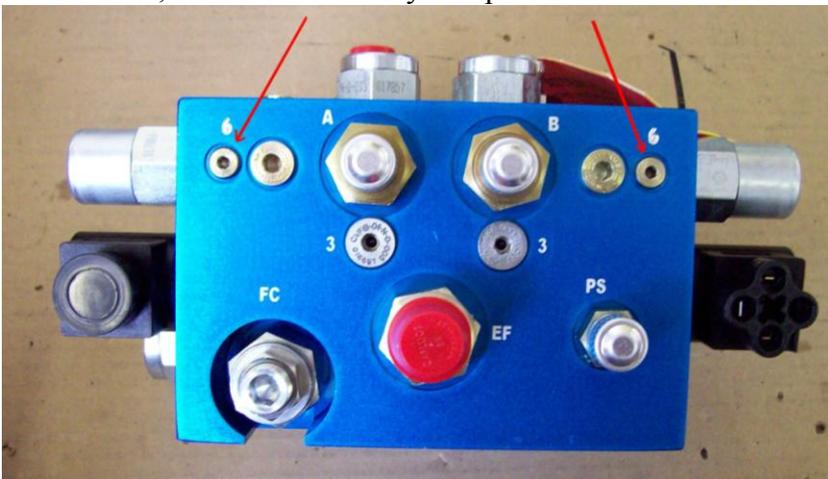
## IDENTIFYING IF HYDRAULIC VALVE BLOCKS HAVE BEEN REWORKED WITH THE HYDRAULIC FIX

The easiest way to identify the blocks is by the date the kit was shipped from Raven. Any kits shipped after 10-1-07 have been reworked. If you are unsure of the shipping date here is how to identify the blocks.

**334-0003-062 closed center block:** Locate the two ports labeled '6' pointed out in picture below. If these ports are present then the block has been updated.



**334-0003-064 open center block:** Locate ports shown pointed out in picture below. If there is a '6' next to them, the block has been updated. Note: these ports will be present in all blocks; the label '6' is only on updated blocks



**334-0003-066 closed center block:** Locate the port labeled '7' or '7B' pointed out in picture below. If this port is present the block has been updated



**Note:** None of the 334-0003-056 valves have been reworked to have the hydraulic fix done externally. Any of the valves shown here that do not have a internal hydraulic fix will require the 117-0191-010 external hydraulic fix. Any valves older than these will not work with a yaw style system.