

4		3		2		1				
D	<div>FILE NAME</div> <div>SIZE</div> <div>P339V10028STD.hex</div> <div>357.44KB</div> <div>P339V1.1.07.ST.HEX</div> <div>368.01KB</div> <div>P339V1.1.08.ST.HEX</div> <div>368,246 bytes</div> <div>P339V1_3_93_Standard.hex</div> <div>382,788 bytes</div> <div>P339V1_4_20_Standard.hex</div> <div>387,548 bytes</div> <div>P339V1_4_30_Standard.hex</div> <div>388,162 bytes</div> <div>P339V1_4_40_Standard.hex</div> <div>387,892 bytes</div>		REVISIONS							
			LTR.	DESCRIPTION	DATE	APPR.	D			
			A	Released per ECO21733 Version 1.00.28	06/26/13	MKR				
			B	Revised per ECO22288 Version 1.1.07	10/16/13	CLW				
			C	Revised per ECO22348 Version 1.1.08	10/31/13	TDD				
			D	Revised per ECO27927 Version 1.3.93	05/23/16	MKR				
			E	Revised per ECO29171 Version 1.4.20	02/21/17	JCK				
			F	Revised per ECO29535 Version 1.4.30	04/28/17	JCK				
			G	Revised per ECO29784 Version 1.4.40	06/22/17	MKR				
			C							C
B							B			
A	<div>UNLESS OTHERWISE SPECIFIED</div> <div>DIMENSIONS ARE IN INCHES</div> <div>ONE PLACE DECIMALS ±.06</div> <div>TWO PLACE DECIMALS ±.03</div> <div>THREE PLACE DECIMALS ±.010</div> <div>FRACTIONS ± 1/16</div> <div>ANGLES ± 0°-30°</div> <div>BREAK EDGES .005-.015</div>		<div>NOTICE:</div> <div>THIS DRAWING AND THE INFORMATION PROVIDED ARE PROPERTY OF RAVEN INDUSTRIES INC., AND MAY ONLY BE USED AS AUTHORIZED BY RAVEN INDUSTRIES INC.</div> <div>ALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS.</div>		<div>RAVEN</div> <div>INDUSTRIES, INC</div> <div>SIOUX FALLS, SOUTH DAKOTA</div>		A			
	TITLE									
	SOFTWARE SPECIFICATIONS, SMARTRAX MD ASSEMBLY									
	CODE IDENT. NO.	SIZE			DRAWING NUMBER					
	14979	A			077-0171-339					
	DO NOT SCALE DRAWING				DRAWN			SCALE	NA	SHEET 1 OF 3
4		3		2		1				

SMARTRAX MD RELEASE NOTES:

VERSION 1.4.40 (SVN Build 74054) (SmarTrax node version 7.6.63 or higher is required)

1. Fixed issue where encoder value was not getting updated to the display
2. Raven Distributed Software Filtering Criteria
 1. ECU Assembly P/N - 0634001010
 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

VERSION 1.4.30 (SVN Build 73396) (SmarTrax node version 7.6.63 or higher is required)

1. Added compatibility with revised PCA for removal of CAN wakeup
2. Raven Distributed Software Filtering Criteria
 1. ECU Assembly P/N - 0634001010
 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

VERSION 1.4.20 (SVN Build 72502) (SmarTrax node version 7.6.63 or higher is required)

1. Improved Calibration Wizard stability
2. Added steering support for tracked machines
3. Improved performance on rear-boom sprayers
4. Resolved minor issues when running in DEMO mode
5. Raven Distributed Software Filtering Criteria
 13. ECU Assembly P/N - 0634001010
 14. ECU Version - None
 15. Serial Number - None
 1. ID Number - None
 2. Product Family - None
 3. Function Code - None
 4. Function Instance - None
 5. Mfg. Number - None
 6. Vehicle System - None
 7. Vehicle System Instance - None
 8. ECU Instance - None
 9. Industry Group - None

CODE IDENT. NO.	SIZE	DRAWING NUMBER
14979	A	077-0171-339
SCALE	NA	SHEET 2 OF 3

VERSION 1.3.93 (SVN Build 67040)

1. Added MD steering support for Swathers.
2. Online and Line Acquire performance improvements for generic machine types: Rear Steer, Front Steer Tractor, Rear Boom Sprayer, and Articulated.
3. Changed the calibration process to support MD on newly-supported machine types to improve steering performance and calibration reliability.
4. Updated control settings when updating from old software.
5. Fixed loss of calibration using generic tune sets.
6. General bug fixes.

VERSION 1.1.08

1. SmarTrax MD production test checks to make sure the revision of the software is correct. There was a revision conflict in the software, this new revision fixes that.

VERSION 1.1.07

1. SmarTrax MD now supports the following machine platforms- Articulated, FS Tractor, Combine, FS/RS Sprayer (only qualified on 1074 RoGator), Short Wheelbase, and DEMO (separate hex file).
2. Changed the default for the disengage setting to 300 to provide more resolution (this value ended up being 550 for DEMO mode). Also cheated the disengage switch curve to make disengage easier while not false disengaging during line acquire.
3. Added full machine database support for SmarTrax MD (version 3.xx.xx of the database). This effectively kills any Smart Steer tuneset development. Fixed issue with 32 bit checksum on the machine database.
4. Fixed a bug in the navigation control loop on curves.
5. Improved the consistency of calibration. Not currently used, but now we are able to calibrate mins and system gain. Calibration time did increase from about 25 seconds to 45 seconds.

VERSION 1.00.28

1. INITIAL RELEASE

CODE IDENT. NO.		SIZE	DRAWING NUMBER	
14979		A	077-0171-339	
SCALE	NA		SHEET 3 OF 3	