

# MACHINE SPECIFIC STEER-READY TRACTOR SETTINGS MATRIX

For steer-ready tractors, this table contains all available data about different steer-ready tractors per tractor brand. The second column shows the kit number you must use. When installing a Raven steer-ready kit, you can find the right calibration settings column 4 through 9. Also, per tractor model, you can see if there is a specific calibration manual and application drawing is available.

Tractor brand	Tractor model	Kit number(s)	Machine Type	Machine make	Machine model	Valve type	WAS type	Disengage sensor	Manual reference	Application drawing	Comments
John Deere	6R/7R/8R-Series ISO steer-ready	117-5034-220 117-5034-222 117-5034-385 117-5034-224 117-5034-225	Front steered tractor	John Deere	6xxxR  7xxxR  8xxxR	PWM	0-5V	PWM Encoder	SC1: 016-5034-100  RS1: 016-5034-100	054-5034-220 054-5034-222 054-5034-385 054-5034-224 054-5034-225	A "non John Deere Guidance unlock" for Raven steering is needed. The part number for this unlock differs per country. The John Deere unlock can only be ordered through an official John Deere dealer.
	5R	117-5034-243 117-5034-244 117-5034-245 117-5034-246 117-5034-247	Front steered tractor	Generic	-	Raven Europe valve	0-5V	PWM Encoder	SC1: 016-5034-243  RS1: 016-5034-246	054-5034-243 054-5034-244 054-5034-245 054-5034-246 054-5034-247	<b>Note:</b> special firmware is needed: Inform Raven Europe Support department to get this firmware.
	6M Interim Tier 4	117-5034-270 117-5034-271 117-5034-272 117-5034-273 117-5034-274 117-5034-275 117-5034-276 117-5034-277	Front steered tractor	Generic	-	Raven Europe valve	0-5V	PWM Encoder		054-5034-270 054-5034-271 054-5034-272 054-5034-273 054-5034-274 054-5034-275 054-5034-276 054-5034-277	Use the serial number of the tractor to determine which 6M kit you need. Use the website: <a href="https://partscatalog.deere.com/jdrc/">https://partscatalog.deere.com/jdrc/</a> .
	6M Final Tier 4 MY18	117-5034-280 117-5034-281 117-5034-282 117-5034-283 117-5034-284 117-5034-285 117-5034-286 117-5034-287	Front steered tractor	Generic	-	Raven Europe valve	0-5V	PWM Encoder		054-5034-280 054-5034-281 054-5034-282 054-5034-283 054-5034-284 054-5034-285 054-5034-286 054-5034-287	Use the serial number of the tractor to determine which 6M kit you need. Use the website: <a href="https://partscatalog.deere.com/jdrc/">https://partscatalog.deere.com/jdrc/</a> .

6M Final Tier 4 / Stage IV / Stage V MY20	117-5034-290 117-5034-291 117-5034-292 117-5034-293 117-5034-294 117-5034-295 117-5034-296 117-5034-297	Front steered tractor	Generic	-	Raven Europe valve	0-5V	PWM Encoder	SC1: 016-5034-290  RS1: 016-5034-294	054-5034-290 054-5034-291 054-5034-292 054-5034-293 054-5034-294 054-5034-295 054-5034-296 054-5034-297	Use the serial number of the tractor to determine which 6M kit you need. Use the website: <a href="https://partscatalog.deere.com/jdrc/">https://partscatalog.deere.com/jdrc/</a> .
6000 Series & 7430/7530	117-5034-250 117-5034-251 117-5034-252 117-5034-253 117-5034-254 117-5034-255 117-5034-256 117-5034-257	Front steered tractor	Generic	-	Analogue	0-5V	Pulse encoder		054-5034-250 054-5034-251 054-5034-252 054-5034-253 054-5034-254 054-5034-255 054-5034-256 054-5034-257	Make sure you have the 11158000390 or 11154010203 cable. The STU variant will not work. The 6000-series kit will fit the European JD7430 and 7530 models. The bigger 7x20 and 7x30 need to use the kits mentioned below.
7x20/7x30 & 8x20/8x30	117-5034-260 117-5034-261 117-5034-262 117-5034-263 117-5034-264 117-5034-265 117-5034-266 117-5034-267	Front steered tractor	Generic	-	Analogue	0-5V	Pulse encoder		054-5034-260 054-5034-261 054-5034-262 054-5034-263 054-5034-264 054-5034-265 054-5034-266 054-5034-267	Make sure you use the 6000 series kits above for the European JD7430 and 7530. Make sure you have the 11158000391 or 11154010204 cable. The STU variant will not work. The flow wheel angle sensor that some of these tractors have will not work in combination with our system. In this case, mount a standard WAS in bracket (10638000066). If you have a JD 8000 with ILS front axle, you will need a separate wheel angle sensor in bracket.
6J-Series LATAM	117-5034-300 117-5034-301 117-5034-302 117-5034-303 117-5034-304 117-5034-305 117-5034-306 117-5034-307	Front steered tractor	Generic	-	Analogue	0-5V	Pulse encoder	SC1: 016-5034-300  RS1: 016-5034-304	054-5034-300 054-5034-301 054-5034-302 054-5034-303 054-5034-304 054-5034-305 054-5034-306 054-5034-307	This machine is LATAM specific and is equal to the European 6x30.

	7J-Series LATAM	117-5034-308 117-5034-309 117-5034-310 117-5034-311 117-5034-312 117-5034-313 117-5034-314 117-5034-315	Front steered tractor	Generic	-	Analogue	0-5V	Pulse encoder	SC1: 016- 5034-308  RS1: 016- 5034-312	054-5034-308 054-5034-309 054-5034-310 054-5034-311 054-5034-312 054-5034-313 054-5034-314 054-5034-315	This machine is LATAM specific and is equal to the large frame 7x30.
Fendt	300/500/70 0/800/ 900/1000 series VarioGuide Ready	117-5033-190 117-5033-191 117-5033-192 117-5033-193	Front steered tractor	Fendt	Fendt Autosteer	PVED	0-5V	CAN encoder	SC1: 016- 5033-190  RS1: 016- 5033-192	054-5033-190 054-5033-191 054-5033-192 054-5033-193	Fendt 300 and 700 W/ Fendt ONE cab MY2021 are not validated yet. Fendt MY2021 are not validated yet. Please contact engineering if you have a request for this tractor.
	700/800/90 0-Series AutoGuide Ready	Not supported	-	-	-	-	-	-	-		Older steer-ready system, we don't support this system.
	200 S3- Series steer-ready	Not supported	-	-	-	-	-	-	-		Reichardt steer-ready system, we don't support this system.
	200 MY2021	Not supported	-	-	-	-	-	-	-		Fendt MY2021 are not validated yet. Please contact engineering if you have a request for this tractor.
CNH	NH T5/T6/T7 & Case Vestrum/M axxum/ Puma/Optu m & Steyr Expert/Profi /Impuls/Ab solut/CVT/T errus, Tier 4b & Stage V ISO steer- ready	117-5032-170 117-5032-171 117-5032-173 117-5032-174	Front steered tractor	New Holland	CNH Tier 4b or newer	PVED	0-5V	CAN encoder	SC1: 016- 8000-111  RS1: 016- 8000-110	054-5032-170 054-5032-171 054-5032-173 054-5032-174	Make sure the CNH dealer enables the option 86 "AST NAV" of the "H3 - Configuration". See for more information the document:  Configuration manual CNH TMR steer-ready.pdf  For this, contact the Raven Europe Service department.

	NH T6/T7 & Case Maxxum/Puma & Steyr CVT/Profi IntelliSteer Ready	117-5032-180 117-5032-181 117-5032-182 117-5032-183 117-5032-184 117-5032-185 117-5032-186 117-5032-187	Front steered tractor	Generic	-	Raven Europe valve	0-5V	0-5V	SC1: 016-8000-108  RS1: 016-8000-109	054-5032-180 054-5032-181 054-5032-182 054-5032-183 054-5032-184 054-5032-185 054-5032-186 054-5032-187	Outside Europe this tractor is still manufactured. So, also new tractors can still have the old Intellisteer system.
	Magnum / T8	117-5032-235 117-5032-236 117-5032-237 117-5032-238 117-5032-239 117-5032-240 117-5032-241 117-5032-242	Front steered tractor	Case IH	Magnum 215/245/275/305/335  Magnum 250/280/310/340/380	PWM	0-5V	0-5V	SC1: 016-5032-165  RS1: 016-5032-xxx	054-5032-235 054-5032-236 054-5032-237 054-5032-238 054-5032-239 054-5032-240 054-5032-241 054-5032-242	Need to check the information on the valve type and machine model name, manual etc.
	<ul style="list-style-type: none"> <li>•CIH AFS Connect Magnum</li> <li>•CIH AFS Connect Steiger/Quadrac</li> <li>•NH Genesis T8 with PLM Intelligence</li> <li>•NH T9 with PLM Intelligence</li> </ul>	117-5032-048 117-5032-049	Front steered tractor	Case IH	Magnum AFS MY20	PVED	0-5V	CAN encoder		054-5032-048	<p>You can see recognize these tractors on the IntelliView TM12 (NH) or Pro 1200 screen.</p> <p>CNH firmware update is needed: Display/PCM 02.22.00.0 or higher CCH CVT UCM <a href="#">15.6.0.0</a> or higher CCH FPS UCM <a href="#">16.6.0.0</a> or higher 4WD CVT UCM <a href="#">19.4.0.0</a> or higher 4WD FPS UCM <a href="#">20.4.0.0</a> or higher</p> <p>A CNH third party unlock is needed Only RS1 kit available.</p>
Amazone	Pantera 4502 & 4503-Series	117-5035-017 117-5035-018 117-5035-020 117-5035-021	Front steered tractor	Generic	-	PVED	0-5V	CAN encoder		054-5035-017 054-5035-018 054-5035-020 054-5035-021	Manual in progress > will be released Jan 1, 2021
Valtra	G5/N4/T4/S4-Series	117-5033-203 117-5033-204	Front steered tractor	Massey Ferguson	66xx/67xx	PVED-CLS	0-5V	CAN encoder		054-5033-203 054-5033-204	Manuals in progress > will be released Jan 15, 2021

		117-5033-256 117-5033-257			77xx  86xx/87xx					054-5033-256 054-5033-257	To work with a third party system the tractor firmware needs to be 2.3.8 or higher.
	N3/T3-Series	117-5033-203 117-5033-204 117-5033-206 117-5033-207	Front steered tractor	Generic	-	PVED-CL	0-5V	CAN encoder		054-5033-203 054-5033-204 054-5033-206 054-5033-207	Manuals in progress > will be released Jan 15, 2021
	BH-Series	117-5033-014 117-5033-015	Front steered tractor	Generic	-	PVED-CL	0-5V	CAN encoder		054-5033-014 054-5033-015	Tobias (LATAM) is working on the application drawings and manuals.
Massey Ferguson	x7xx - Series Datatronic 5	117-5033-200 117-5033-201 117-5033-246 117-5033-247	Front steered tractor	Massey Ferguson	66xx/67xx  77xx  86xx/87xx	PVED-CLS	0-5V	CAN encoder		054-5033-200 054-5033-201 054-5033-246 054-5033-247	-
	x7xx S-series Datatronic 5 Tier5	117-5033-208 117-5033-209 117-5033-248 117-5033-249	Front steered tractor	Massey Ferguson	66xx/67xx  77xx  86xx/87xx	PVED-CLS	0-5V	CAN encoder		054-5033-208 054-5033-209 054-5033-248 054-5033-249	These kits only work for certain tractors now. We will do a cabling update to connect to the diagnostic connector of the tractor. This will work for all the models. Application drawings and manuals will be adjusted according to the cabling changes we will make.
	x6xx - Series Datatronic 4	117-5033-200 117-5033-201 117-5033-206 117-5033-207	Front steered tractor	Generic	-	PVED-CL	0-5V	CAN encoder		054-5033-200 054-5033-201 054-5033-206 054-5033-207	Older type with PVED-CL. Manuals in progress > will be released Jan 15, 2021
Claas	Arion 400 A52 OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016-5036-020  RS1: 016-5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	Starting from serial number A52 02223 if equipped with OSI ready. Machines with older serial numbers will never be OSI ready.
	Arion 400 A53 OSI	117-5036-020 117-5036-021 117-5036-022	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016-5036-020	054-5036-020 054-5036-021 054-5036-022	Starting from serial number A53 03560 if equipped with OSI ready.

	117-5036-023 117-5036-024								RS1: 016-5036-023	054-5036-023 054-5036-024	Machines with older serial numbers will never be OSI ready.
Arion 500 A74 Stage IV OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016-5036-020  RS1: 016-5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	Starting from serial number A74 00720 if equipped with OSI ready. Machines with older serial numbers will never be OSI ready.	
Arion 500 A75 Stage IV OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016-5036-020  RS1: 016-5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	Starting from serial number A75 00415 if equipped with OSI ready. Machines with older serial numbers will never be OSI ready.	
Arion 600 A76 Stage IV OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016-5036-020  RS1: 016-5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	Starting from serial number A76 01614 if equipped with OSI ready. Machines with older serial numbers will never be OSI ready.	
Arion 600 A77 Stage IV OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016-5036-020  RS1: 016-5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	Starting from serial number A77 00924 if equipped with OSI ready. Machines with older serial numbers will never be OSI ready.	
Arion 500 + 600 A94 Stage V, A95 Stage IV, A96 Stage IV & A97 Stage IV OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016-5036-020  RS1: 016-5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	All serial numbers are supported.	
Axion 800 A60 & A61 Stage IV OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016-5036-020  RS1: 016-5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	Starting from serial number A60 00100 & A61 00100 if equipped with OSI ready. Machines with older serial numbers will never be OSI ready.	

Axion 800 A50 & A51 Stage V OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016- 5036-020  RS1: 016- 5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	All serial numbers are supported.
Axion 900 A44 Stage IV OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016- 5036-020  RS1: 016- 5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	Starting from serial number A44 00583 if equipped with OSI ready. Machines with older serial numbers will never be OSI ready.
Axion 900 A64 Stage V OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016- 5036-020  RS1: 016- 5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	All serial numbers are supported.
Axion 900 TT A42 Stage V OSI	117-5036-020 117-5036-021 117-5036-022 117-5036-023 117-5036-024	Front steered tractor	Claas	Claas Axion 830 GEN II	PVED-CLS	0-5V	CAN encoder	SC1: 016- 5036-020  RS1: 016- 5036-023	054-5036-020 054-5036-021 054-5036-022 054-5036-023 054-5036-024	All serial numbers are supported.
Xerion 783 OSI	Not supported	-	-	-	-	-	-	-	-	-
Xerion 784 OSI	Not supported	-	-	-	-	-	-	-	-	-
Arion 500 + 600 A34 & A35 & A36 & A37 ATP- ready	117-5036-030 117-5036-031 117-5036-032 117-5036-036 117-5036-037	Front steered tractor	Claas	Claas Axion 830 GEN I	PVED-CL	0-5V	CAN encoder	SC1: 016- 5036-030  RS1: 016- 5036-036	054-5036-030 054-5036-031 054-5036-032 054-5036-036 054-5036-037	Use the following PVED-CL settings (you can configure the PVED-CL with our CANTool, use the SBGuidance Claas ATP installation manual for more information; <a href="https://portal.ravenprecision.com/ProductDocumentation/Category?categoryId=194">https://portal.ravenprecision.com/ProductDocumentation/Category?categoryId=194</a> ).

64007: 28  
65101: 255  
706: 20  
729: -610  
747: 610  
737: -130  
738: 130

											508: 45 518: 0 5002: 255 5027: 1000 5009: 1 64023: 1000000 65105: 255 65108: 0 65121: 2 65122: 1
	Axion 800 A40 & A41 ATP-ready	117-5036-030 117-5036-031 117-5036-032 117-5036-036 117-5036-037	Front steered tractor	Claas	Claas Axion 830 GEN I	PVED-CL	0-5V	CAN encoder	SC1: 016- 5036-030  RS1: 016- 5036-036	054-5036-030 054-5036-031 054-5036-032 054-5036-036 054-5036-037	See comment about PVED-CL Settings at ATP Ready kit above.
	Axion 900 B06 ATP- Ready	117-5036-030 117-5036-031 117-5036-032 117-5036-036 117-5036-037	Front steered tractor	Claas	Claas Axion 830 GEN I	PVED-CL	0-5V	CAN encoder	SC1: 016- 5036-030  RS1: 016- 5036-036	054-5036-030 054-5036-031 054-5036-032 054-5036-036 054-5036-037	See comment about PVED-CL Settings at ATP Ready kit above.
	Xerion 3300/3800 781 ATP- Ready	Not supported	-	-	-	-	-	-	-	-	-
	Xerion 4000/5000 782 & 783 ATP-Ready	Not supported	-	-	-	-	-	-	-	-	-
Trimble Ready	All	117-5035-030 117-5035-031 117-5035-032 117-5035-033 117-5035-034 117-5035-035 117-5035-036 117-5035-037	Front steered tractor	Generic	-	Raven Europe valve	0-5V	0-5V	-	-	Dealer needs to choose a WAS sensor in Chapter O of the price book if needed.
Raven Ready	All	117-8000-420 117-8000-421 117-8000-422 117-8000-423	Front steered tractor	Generic	-	Analogue	0-5V	4-20mA	SC1: 016- 8000-117	054-8000-420 054-8000-421 054-8000-422 054-8000-423	-



		117-8000-424 117-8000-425 117-8000-426 117-8000-427							RS1: 016-8000-116	054-8000-424 054-8000-425 054-8000-426 054-8000-427	
Buhler - Versatile	Row crop 265, 295, 315, 335 & 365 MY15 and newer	117-5031-105 117-5031-106 117-5031-107 117-5031-108	Front steered tractor	Versatile	2x0-3x0 MFWD	Analogue	0-5V	4-20mA	SC1: 016-5031-103  RS1: 016-5031-101	054-5031-105 054-5031-106 054-5031-107 054-5031-108	-
	Articulated tractor 380, 405, 430, 460, 520, 570 & 610 MY15 and newer	117-5031-109 117-5031-110 117-5031-111 117-5031-112	Articulated	Versatile	350/375/380/400/405/430/460  450/500/520/550/570/575/610	Analogue	0-5V	4-20mA	SC1: 016-5031-104  RS1: 016-5031-101	054-5031-109 054-5031-110 054-5031-111 054-5031-112	-
Caruelle	Nympheos	117-5035-013 117-5035-014 117-5035-015 117-5035-016	Front steered tractor	Generic	-	Analogue	0-5V	Pressure switch	-	-	-