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Coding Information

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Title: A26, N13 and 2010 MaxxFORCE 11 and 13 Auxiliary Throttle Programmable Parameters (Excluding HX, PayStar and 9000 Series Models)

Applies To: A26, N13 and 2010 emissions compliant MaxxFORCE 11 and 13 engines (Excluding HX, PayStar and 9000 Series Models)

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

06/15/2015 - Updated to include N13
 06/15/2015 - Updated to add "hardwired" to Parameter 99431
 06/15/2015 - Added SRT information
 04/19/2018 - Added parameter 80112 in 3 tables
 A26 Engine and parameter 80112 in 3 tables

DESCRIPTION:

A26, N13 and 2010 MaxxFORCE 11 and 13 Auxiliary throttle parameter setup

Note: Does not apply to HX, PayStar and 9000 Series models. These models are generally set for Hardwired AESC parameters.

This article gives information on how to set up parameters for A26, N13 and 2010 IBB auxiliary throttle control. There are examples for Variable, Preset and Remote throttle Setup, and Sample scenario for 2 preset speeds and a remote pedal.

Setup for VARIABLE operation

ID	Name	Value	
39060 *A26			
Only*	AESC Remote Preset On/Off Switch Operation Enable	Disable	
75001	Aux Throttle Control - Mode	remote or remote in cab or incab	
75012	Aux Throttle Control - Maximum Vehicle Speed	match pid 75213	mph
75021	Aux Throttle Control - In Cab Mode	stationary variable	
75031	Aux Throttle Control - In Cab Operator Interface	disable	
75041	Aux Throttle Control - Remote Pedal Enable	enable	
75052	Aux Throttle Control - Preset Engine Speed 1 (Set)	xxxx	RPM
75062	Aux Throttle Control - Preset Engine Speed 2 (Resume)	xxxx	RPM
75072	Aux Throttle Control - Ramp Rate	100	RPM/s
75082	Aux Throttle Control - Maximum Engine Speed	xxxx	RPM
75102	Aux Throttle Control - Disable With Clutch	clutch disables	
75112	Aux Throttle Control - Disable with Brake	brake disables	
75132	Aux Throttle Control - Disable with APS	APS overrides set speed	
75143	Aux Throttle Control - Preset Engine Speed 3	same as preset 2 if 2 speeds are being used	RPM
75153	Aux Throttle Control - Preset Engine Speed 4	xxxx	RPM
75163	Aux Throttle Control - Preset Engine Speed 5	xxxx	RPM
75173	Aux Throttle Control - Preset Engine Speed 6	xxxx	RPM
75183	Aux Throttle Control - Engine Speed Limit with VSS Fault	600	RPM
75193	Aux Throttle Control - Maximum Engine Load	100	%
75213	Aux Throttle Control - Vehicle Speed Limit	match pid 75012	mph
75223	Aux Throttle Control - Minimum Engine Speed	600	RPM
75243	Aux Throttle Control - Engine Speed Throttle Down Ramp Rate	100	RPM/s
75253	Aux Throttle Control - Bump Up/Down Step	100	RPM
75272	Aux Throttle Control - Maximum Engine Load Time	8	s
75281	Aux Throttle Control - Preset Engine Speed Select	preset 1 (even if more than 1 preset spd)	

75301	Aux Throttle Control - Speed Controlled to Engine Load	off	
80112	Transfer Case Switch Signal Source	If available, for split shaft mode, must be set to Hardwired	
89101	Transfer Case Input Mode Select	driveline or split shaft If split shaft c2-10 needs 12v when pto enabled	
89141	Remote Accelerator Enable Switch	disable	
99232	Parking Brake Switch Input Selection	can	
99242	Brake Pedal Switch Input Selection	can	
99252	Clutch Pedal Switch Input Selection	can	
99262	Cruise Control/PTO On/Off Switch Input Selection	can	
99272	Cruise Control Set/Coast Switch Input Selection	both	
99282	Cruise Control Resume/Accelerate Switch Input Selection	both	
99292	Remote Accelerator Switch Input Selection	can	
99302	Engine Brake Switch 1 Input Selection	can	
99322	Remote PTO Programmed Speed Switch Input Selection	can	
99332	Remote PTO Variable Speed Switch Input Selection	Hardwire	can
99352	Remote Accelerator Pedal Input Selection		
99431	Master Switch for Setting Source Addresses	hardwire	

Setup for PRESET operation

ID	Name	Value	
39060 *A26	AESC Remote Preset On/Off Switch Operation Enable	Disable	
Only*	Aux Throttle Control - Mode	remote or remote in cab or incab	
75001	Aux Throttle Control - Maximum Vehicle Speed	match pid 75213	mph
75012	Aux Throttle Control - In Cab Mode	stationary preset	
75021	Aux Throttle Control - In Cab Operator Interface	disable	
75031	Aux Throttle Control - Remote Pedal Enable	enable	
75041	Aux Throttle Control - Preset Engine Speed 1 (Set)	xxxx	RPM
75052	Aux Throttle Control - Preset Engine Speed 2 (Resume)	xxxx	RPM
75062	Aux Throttle Control - Ramp Rate	100	RPM/s
75072	Aux Throttle Control - Maximum Engine Speed	xxxx	RPM
75082	Aux Throttle Control - Disable With Clutch	clutch disables	
75102	Aux Throttle Control - Disable with Brake	brake disables	
75112	Aux Throttle Control - Disable with APS	APS overrides set speed	
75132	Aux Throttle Control - Preset Engine Speed 3	same as preset 2 if 2 speeds are being used	RPM
75143	Aux Throttle Control - Preset Engine Speed 4	xxxx	RPM
75153	Aux Throttle Control - Preset Engine Speed 5	xxxx	RPM
75163	Aux Throttle Control - Preset Engine Speed 6	xxxx	RPM
75173	Aux Throttle Control - Engine Speed Limit with VSS Fault	600	RPM
75183	Aux Throttle Control - Maximum Engine Load	100	%
75193	Aux Throttle Control - Vehicle Speed Limit	match pid 75012	mph
75213	Aux Throttle Control - Minimum Engine Speed	600	RPM
75223	Aux Throttle Control - Engine Speed Throttle Down Ramp Rate	100	RPM/s
75243	Aux Throttle Control - Bump Up/Down Step	100	RPM
75253	Aux Throttle Control - Maximum Engine Load Time	8	s
75272	Aux Throttle Control - Preset Engine Speed Select	preset 1 (even if more than 1 preset spd)	
75281	Aux Throttle Control - Speed Controlled to Engine Load	off	
75301	Transfer Case Switch Signal Source	If available, for split shaft mode, must be set to Hardwired	
80112			

Excluding A26; driveline or split shaft If split shaft c2-10 needs 12v when pto enabled

89101	Transfer Case Input Mode Select	pto enabled	
89141	Remote Accelerator Enable Switch	disable	
99232	Parking Brake Switch Input Selection	can	
99242	Brake Pedal Switch Input Selection	can	
99252	Clutch Pedal Switch Input Selection	can	
99262	Cruise Control/PTO On/Off Switch Input Selection	can	
99272	Cruise Control Set/Coast Switch Input Selection	both	
99282	Cruise Control Resume/Accelerate Switch Input Selection	both	
99292	Remote Accelerator Switch Input Selection	both	
99302	Engine Brake Switch 1 Input Selection	can	
99322	Remote PTO Programmed Speed Switch Input Selection	hardwire	

99332	Remote PTO Variable Speed Switch Input Selection	can
99352	Remote Accelerator Pedal Input Selection	
99431	Master Switch for Setting Source Addresses	hardwire

Remote throttle and preset speed Setup

Something using out riggers for preset and then remote throttle for Crane, derrick.

ID	Name	Value	
39060			
A26 Only	AESC Remote Preset On/Off Switch Operation Enable	Disable	
75001	Aux Throttle Control - Mode	remote or remote in cab or incab	
75012	Aux Throttle Control - Maximum Vehicle Speed	match pid 75213	mph
75021	Aux Throttle Control - In Cab Mode	stationary preset	
75031	Aux Throttle Control - In Cab Operator Interface	disable	
75041	Aux Throttle Control - Remote Pedal Enable	enable	
75052	Aux Throttle Control - Preset Engine Speed 1 (Set)	xxxx	RPM
75062	Aux Throttle Control - Preset Engine Speed 2 (Resume)	xxxx	RPM
75072	Aux Throttle Control - Ramp Rate	100	RPM/s
75082	Aux Throttle Control - Maximum Engine Speed	xxxx	RPM
75102	Aux Throttle Control - Disable With Clutch	clutch disables	
75112	Aux Throttle Control - Disable with Brake	brake disables	
75132	Aux Throttle Control - Disable with APS	APS overrides set speed	
75143	Aux Throttle Control - Preset Engine Speed 3	same as preset 2 if 2 speeds are being used	RPM
75153	Aux Throttle Control - Preset Engine Speed 4	xxxx	RPM
75163	Aux Throttle Control - Preset Engine Speed 5	xxxx	RPM
75173	Aux Throttle Control - Preset Engine Speed 6	xxxx	RPM
75183	Aux Throttle Control - Engine Speed Limit with VSS Fault	600	RPM
75193	Aux Throttle Control - Maximum Engine Load	100	%
75213	Aux Throttle Control - Vehicle Speed Limit	match pid 75012	mph
75223	Aux Throttle Control - Minimum Engine Speed	600	RPM
75243	Aux Throttle Control - Engine Speed Throttle Down Ramp Rate	100	RPM/s
75253	Aux Throttle Control - Bump Up/Down Step	100	RPM
75272	Aux Throttle Control - Maximum Engine Load Time	8	s
75281	Aux Throttle Control - Preset Engine Speed Select	preset 1 (even if more than 1 preset spd)	
75301	Aux Throttle Control - Speed Controlled to Engine Load	off	
80112	Transfer Case Switch Signal Source	If available, for split shaft mode, must be set to Hardwired	
89101	Transfer Case Input Mode Select	Excluding A26; driveline or split shaft If split shaft c2-10 needs 12v when pto enabled	
89141	Remote Accelerator Enable Switch	disable	
99232	Parking Brake Switch Input Selection	can	
99242	Brake Pedal Switch Input Selection	can	
99252	Clutch Pedal Switch Input Selection	can	
99262	Cruise Control/PTO On/Off Switch Input Selection	can	
99272	Cruise Control Set/Coast Switch Input Selection	both	
99282	Cruise Control Resume/Accelerate Switch Input Selection	both	
99292	Remote Accelerator Switch Input Selection	hardwire	
99302	Engine Brake Switch 1 Input Selection	Excluding A26; driveline or split shaft If split shaft c2-10 needs 12v when pto enabled	
99322	Remote PTO Programmed Speed Switch Input Selection	hardwire	can
99332	Remote PTO Variable Speed Switch Input Selection	hardwire	
99352	Remote Accelerator Pedal Input Selection	hardwire	
99431	Master Switch for Setting Source Addresses	hardwire	

Sample scenario for 2 preset speeds and a remote pedal

2 presets for out riggers/boom, and remote/variable for auger/winch, (com ED truck or power company truck)

ID	Name	Value
39060	AESC Remote Preset On/Off Switch Operation Enable	Disable

A26 Only		
75001	Aux Throttle Control - Mode	remote or remote in cab or incab
75012	Aux Throttle Control - Maximum Vehicle Speed	match pid 75213
75021	Aux Throttle Control - In Cab Mode	stationary preset
75031	Aux Throttle Control - In Cab Operator Interface	disable
75041	Aux Throttle Control - Remote Pedal Enable	enabled for remote pedal only
75052	Aux Throttle Control - Preset Engine Speed 1 (Set)	xxxx
75062	Aux Throttle Control - Preset Engine Speed 2 (Resume)	xxxx
75072	Aux Throttle Control - Ramp Rate	100
75082	Aux Throttle Control - Maximum Engine Speed	xxxx
75102	Aux Throttle Control - Disable With Clutch	clutch disables
75112	Aux Throttle Control - Disable with Brake	brake disables
75132	Aux Throttle Control - Disable with APS	APS overrides set speed
75143	Aux Throttle Control - Preset Engine Speed 3	same as preset 2 if 2 speeds are being used
75153	Aux Throttle Control - Preset Engine Speed 4	0
75163	Aux Throttle Control - Preset Engine Speed 5	0
75173	Aux Throttle Control - Preset Engine Speed 6	0
75183	Aux Throttle Control - Engine Speed Limit with VSS Fault	600
75193	Aux Throttle Control - Maximum Engine Load	100
75213	Aux Throttle Control - Vehicle Speed Limit	match pid 75012
75223	Aux Throttle Control - Minimum Engine Speed	600
75243	Aux Throttle Control - Engine Speed Throttle Down Ramp Rate	100
75253	Aux Throttle Control - Bump Up/Down Step	100
75272	Aux Throttle Control - Maximum Engine Load Time	8
75281	Aux Throttle Control - Preset Engine Speed Select	preset 1 (even if more than 1 preset spd)
75301	Aux Throttle Control - Speed Controlled to Engine Load	off
80112	Transfer Case Switch Signal Source	If available, for split shaft mode, must be set to Hardwired driveline or split shaft If split shaft c2-10 needs 12v when pto
89101	Transfer Case Input Mode Select	enabled
89141	Remote Accelerator Enable Switch	disable
99232	Parking Brake Switch Input Selection	can
99242	Brake Pedal Switch Input Selection	can
99252	Clutch Pedal Switch Input Selection	can
99262	Cruise Control/PTO On/Off Switch Input Selection	can
99272	Cruise Control Set/Coast Switch Input Selection	both
99282	Cruise Control Resume/Accelerate Switch Input Selection	both
99292	Remote Accelerator Switch Input Selection	hardwire
99302	Engine Brake Switch 1 Input Selection	can
99322	Remote PTO Programmed Speed Switch Input Selection	hardwire
99332	Remote PTO Variable Speed Switch Input Selection	hardwire
99352	Remote Accelerator Pedal Input Selection	hardwire
99431	Master Switch for Setting Source Addresses	hardwire

Excluding A26 engines, to wire unit in correctly, power, 12v, has to be supplied to either the RVAR c2-35 KJ92A12 or RPPE c2-48 KJ92A11 wires, depending on what is activated. A constant 12v signal is then sent to SCS c2-52 KJ92A13 for set and RAS c2-23 KJ92A9 for resume. For the remote pedal operation, a pedal will need to be wired into connector C1 K92A5, for the pedal signal input, K92A4 for SVREF and SG92A3 for ground.

WARRANTY INFORMATION

Warranty Claim Coding:

Group:	12 - ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM
Noun:	Varies by Engine

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