

## EVO™ Pump/PSI NAV Commander Settings

Use the settings below as a starting point for tuning the system.

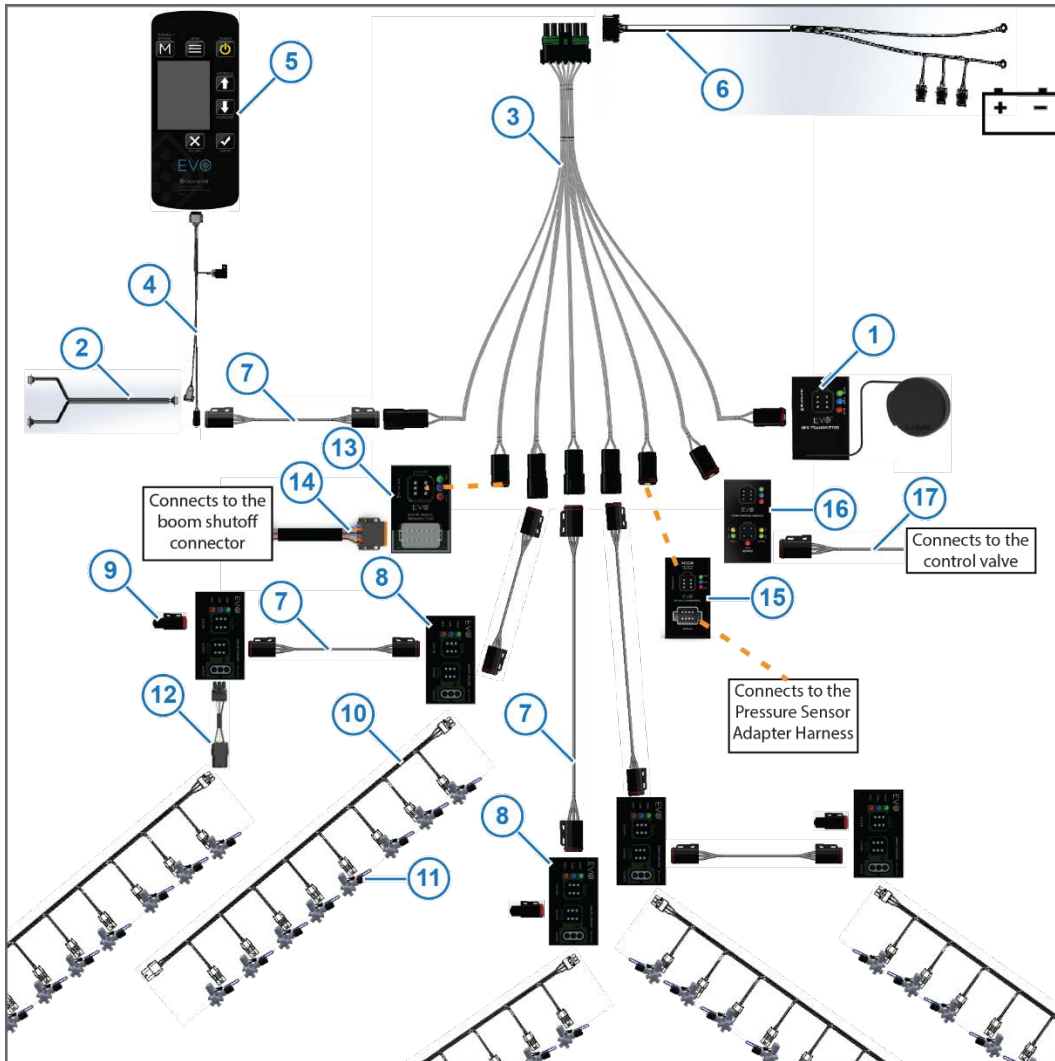
### Rate Controller/PC2 Settings

Product Settings:	
Valve Type:	PWM
Min Pump PWM:	(Record Rate Controller Setting)
Max Pump PWM:	(Record Rate Controller Setting)
Standby Pump PWM:	Disabled (Uncheck Box)
Response Sensitivity:	79 (Recommended Starting Point)
Deadband:	2%
Pressure Settings:	
Response Rate:	50 (Recommended Starting Point)
Minimum Pressure:	10 PSI
Maximum Pressure:	150 PSI
Boom Pressure Cal:	Calibrate Appropriately
Advanced Pressure Calibration:	
Pressure Sensor:	Boom
Pressure Sensor Range:	(0-250) PSI

### EVO Display Settings

Main Menu	
Backlight:	5
Alarm Volume:	3
Turn Compensation:	On
Rate Sync:	On
Pressure Increment:	5 psi
Advanced Menu	
System Gain:	5.0 (Recommended Starting Point)
P-Gain:	5
I-Gain:	0.25
Nozzle Hold Delay:	0 sec
Low Pressure Shutoff:	8 psi
PWM Frequency:	10 Hz
Valve Open Time:	15 ms with 7-watt valves 20 ms with 12-watt valves
Units:	US (psi)
Nozzle Valve Spacing:	Enter the Correct Spacing
Module Location Menu:	See Module Location in the Operator Manual for more information
Section Size Menu:	Enter the Correct Number of Nozzles per Section
GPS Menu:	
GPS Source:	CAN (with EVO GPS Transmitter Module) SERIAL (with 3rd party GPS receiver)
Boom Type:	FIXED
GPS to Axle:	Enter the distance the GPS is from the rear axle
Trailer Hitch to Axle:	0
Trailer2 Hitch to Axle:	0
Pump/Servo Menu:	
Servo Type:	PWM
Servo Min:	Enter the Rate Controller Min PWM Pump Setting
Servo Max:	Enter the Rate Controller Max PWM Pump Setting
Nozzle Cycle Time:	0.1 sec
Servo Hold Delay:	0 sec
Input Current Load:	Off
Low Flow Menu:	
Disabled	
PSI Module Menu:	
Sensor Module:	CMD (with PSI NAV Commander Module) Trans (with Pressure Transmitter Module)
Sensor Offset:	0 psi
Sensor Volt Min:	1 volts
Sensor Volt Max:	5 volts
Sensor Pressure Min:	0 psi
Sensor Pressure Max:	250 psi
Pressure Command:	On
Navigation IMU:	Off
Diagnostics:	
Error Log:	

## Three-Trunk Power to CAN Harness System Schematic



**NOTE:** The EVO™ system can only have one GPS source.

- CapstanAG GPS Transmitter module (1)
- Existing GPS source—will need GPS y-adapter harness (2)

Callout	Description	Callout	Description
(1)	GPS Transmitter Module	(10)	Nozzle Harness
(2)	GPS Y-adapter Harness	(11)	Valve Assembly
(3)	Power to CAN Harness	(12)	Nozzle Alternator Harness
(4)	Display Harness	(13)	Boom Signal Transmitter Module <b>NOTE:</b> There are two options for this module—12-section or 16-section capability.
(5)	Cab Display	(14)	Boom Signal Shutoff Adapter
(6)	Power Harness	(15)	PSI NAV Commander Module or Pressure Transmitter Module
(7)	CAN bus Extension Harness (Plug to Plug)	(16)	Pump Control Module
(8)	Smart Driver Module	(17)	Pump Control Harness
(9)	CAN Terminator		