

Remote Throttle T360 PTO Setup with Allison Automatic installing Promix SD & LCD Transit Mixer Systems - 190826

Remote Throttle Connector

Please Note: Insure the Remote Throttle setting via the ECU is set to the bowl manufactures requirements on the Truck before carrying out this Installation.

If not the system will not work correctly this is the responsibly of the bowl manufacture or trained Installer to have this correctly setup before the system Installation.

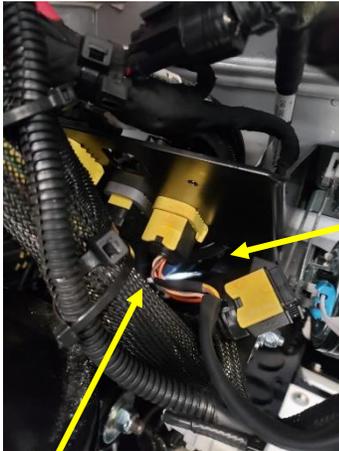
Connector located on LHS of firewall

Please insure correct male panel plug connection before connecting the Promix T360 Remote Throttle Cable.

Promix T360 Mating Remote Cable

Suits Promix SD and LCD Systems

Pn: W007-019 – [Purchase here](#)



Plug and Play mating cable suits Promix SD and LCD Systems with Optional In-Dash Analog Revs Switch

WOODTECH ELECTRONICS

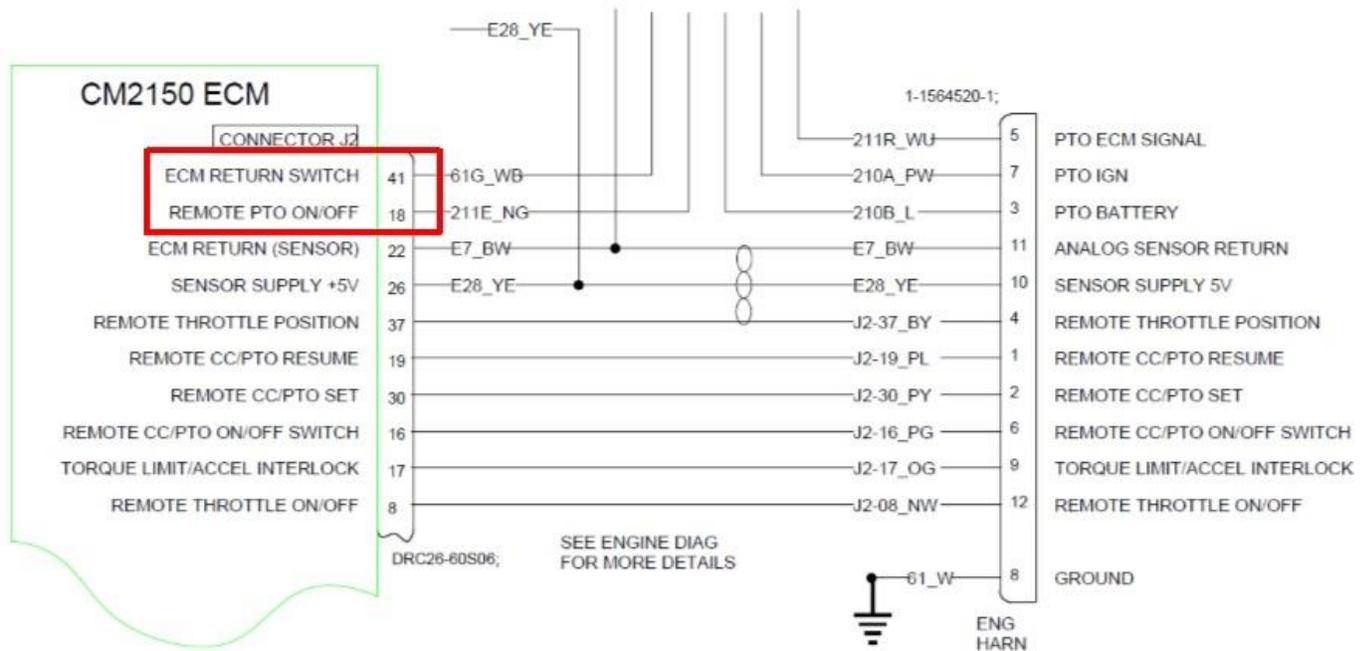
Phone: 07 38882998 – email: enquiries@woodtech.net.au

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Engine ECU Wiring



- To enable a PTO ramp speed, pins 18 and 41 must be bridged / looped on the engine ECU.
- Pins 18 and 41 are not in the remote PTO connector.
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- PTO must be enabled in Cummins (not 1939 multiplexing; nothing in ESA)

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Cummins Template Example – 464853

Please Note: This is a screen shot example below you will need to set the ECU setting below via the dealer to your bowl requirements – RPM is normally defaulted to 1500-RPM so please insure your RPM setting are correctly set.

PTO		Enable	
Additional Switch Speed		1500	RPM
Maximum Engine Load		1084	N*m
Maximum Speed		1500	RPM
Maximum Vehicle Speed		10	km/hr
Minimum Speed		850	RPM
Ramp Rate		250	rpm/s
Resume Switch Speed		900	RPM
Set Switch Speed		900	RPM
PTO Speed 1 Device			
PTO Speed 2 Device			
PTO Speed 3 Device			
PTO Speed 4 Device			
PTO Speed 5 Device			
PTO Speed 6 Device			
PTO Speed 7 Device			
PTO Speed 8 Device			
Accelerator Pedal or Lever Override		Disable	
Clutch Override		Enable	
Ignore Vehicle Speed Source in PTO		Disable	
PTO with Parking Brake Set		Disable	
Remote PTO		Disable	
Service Brake Override		Enable	
Zero Vehicle Speed Source Limit		Disable	
Remote Accelerator Pedal or Lever		Disable	

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Cummins Template Example – 464853

Please Note: This is a screen shot example below you will need to set the ECU setting below via the dealer to your bowl requirements

SAE J1939 Multiplexing		
Accelerator Interlock Switch		Disable
Accelerator Pedal Or Lever Position		Disable
Aftertreatment Diesel Exhaust Fluid Tank Level Sensor		Disable
Aftertreatment Diesel Exhaust Fluid Tank Temperature Sensor		Disable
Ambient Air Temperature Sensor		Disable
Auxiliary Shutdown Switch		Disable
Clutch Pedal Position Switch		Disable
Cruise Control On/Off Switch		Enable
Source Address	49 - Cab Controller - Primary	
Cruise Control Set / Resume Switch		Enable
Source Address	49 - Cab Controller - Primary	
Diagnostic Test Mode Switch		Disable
Engine Brake Switch Level		Enable
Source Address	49 - Cab Controller - Primary	
Engine Protection Shutdown Manual Override		Disable
Fan Control Switch		Enable
Source Address	49 - Cab Controller - Primary	
Idle Increment/ Idle Decrement Switch		Enable
Source Address	49 - Cab Controller - Primary	
Idle Validation Switch		Disable
Parking Brake		Enable
Source Address	49 - Cab Controller - Primary	
PTO On/Off Switch		Enable
Source Address	49 - Cab Controller - Primary	
PTO Set / Resume Switch		Disable
Rear Axle Ratio Switch		Disable
Remote Accelerator Pedal or Lever		Disable
Remote Accelerator Pedal or Lever Switch		Disable
Remote PTO Switch		Disable
Service Brake Switch		Enable

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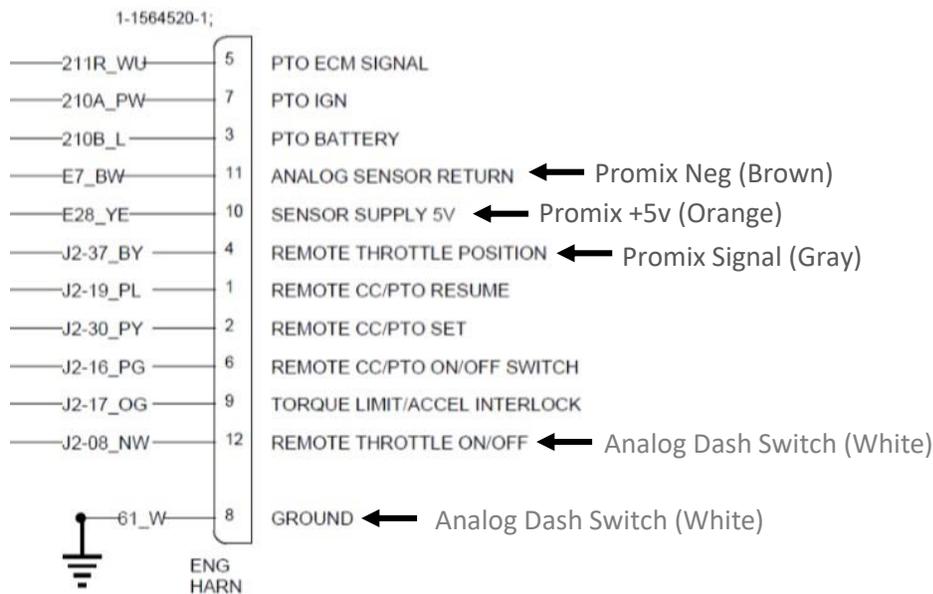
PTO Mode using Steering Wheel



- The steering wheel cruise control buttons can be used to ramp the engine speed
- The cruise control must be activated with the Park Brake applied, then the set/resume button can be used to ramp the engine speed.
- The steering wheel cruise control buttons cannot be used for remote PTO operation or remote throttle as the source addresses between the cab and the engine ECU are different (cannot be the same)

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Remote Throttle Connector Voltage Range and Pin Outs



- Pin 4 in remote throttle connector on firewall is the signal (0.5 min - 4.5v max)
(Nominal operation voltage for remote throttle is 1v – 2.5v)
- Pins 11 and 10 in remote throttle connector are supply and return for pot.
- Bridge / loop pins 12 and 8 to activate remote throttle