

**EDRT**

**ISB, ISC, ISL CUMMINS**

**ENGINES**

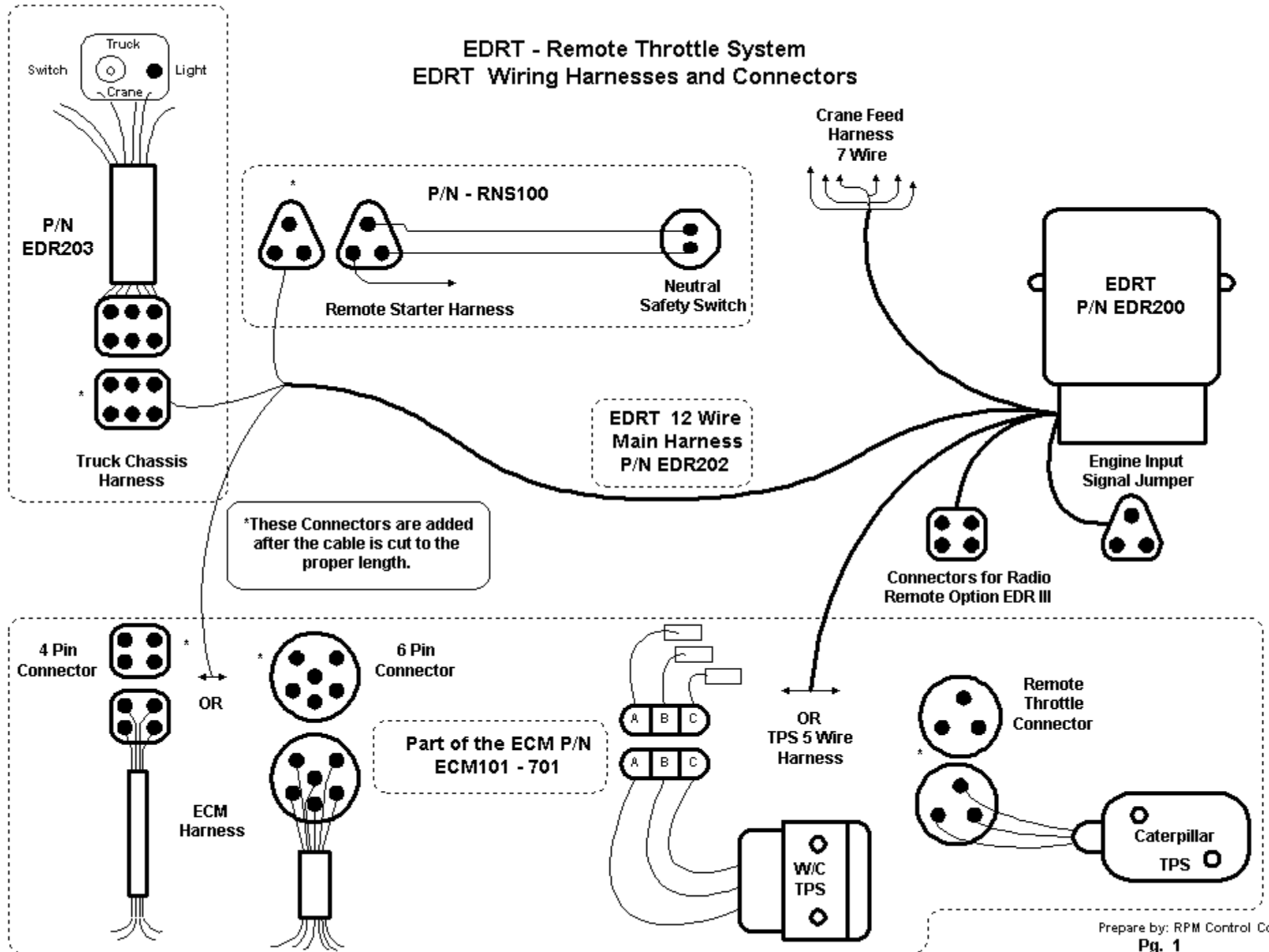
**MANUAL**

## Table of Contents

<u>Description</u>	<u>Page#</u>
The Overview of the EDRT - Remote Throttle System	1
The Engine Input Configuration Plug	2
The Dash Crane/Truck Switch & Chassis Harness Connections	3
The ECM Connector Wire Arrangement for Remote Throttle ISB, ISC, ISL Cummins Engine	4
The Truck Chassis Remote Neutral Start Wire Arrangement Using Starter Solenoid	5
The Truck Chassis Remote Neutral Start Wire Arrangement Using Key Switch	6
The TPS Wire Arrangement For A Cummins	7
The Crane Feed Harness Terminal Strip	8
The Overall Schematic of the System	9
The Remote Throttle Engine Parameters for Cummins	10

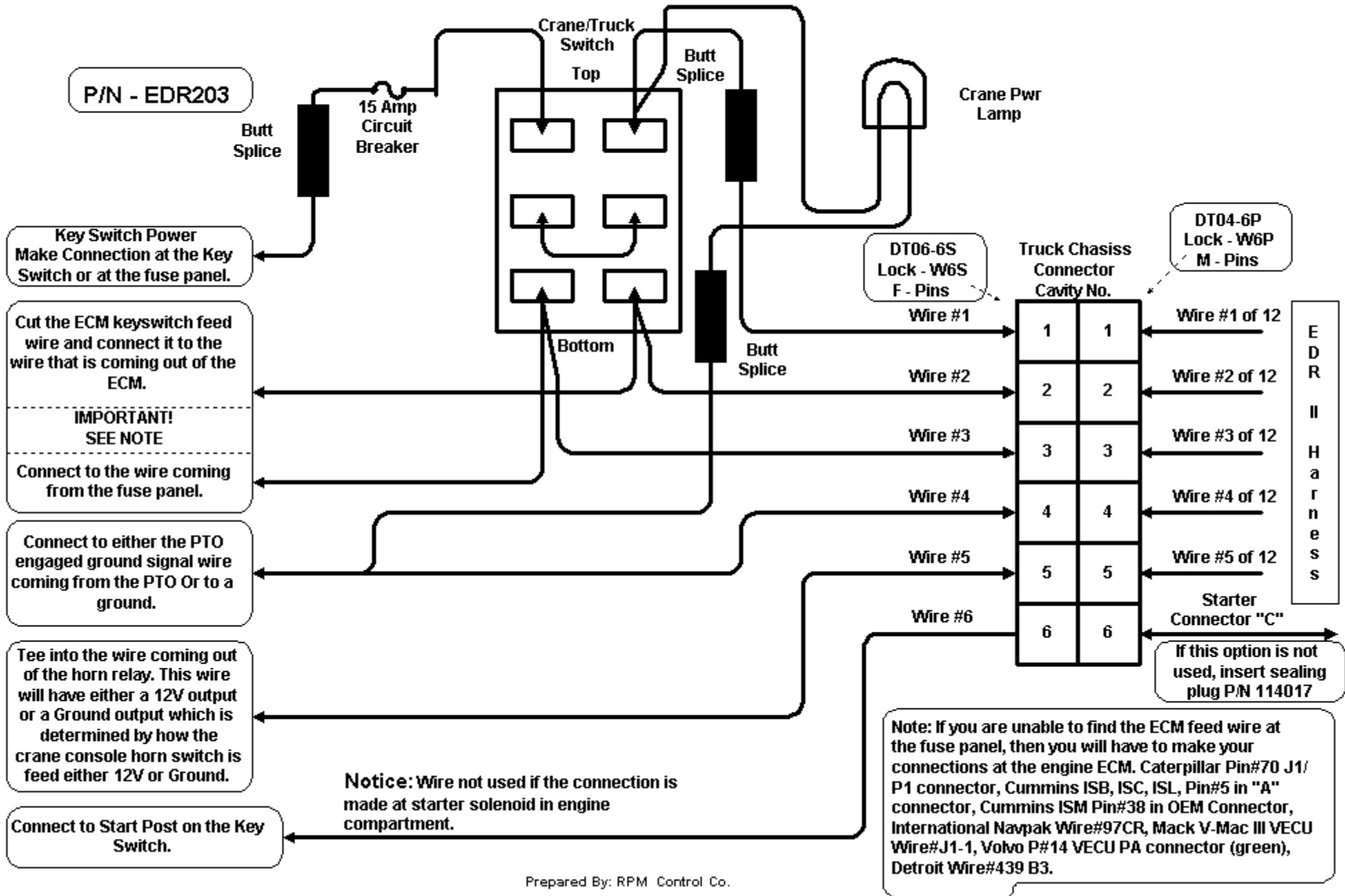
# EDRT - Remote Throttle System

## EDRT Wiring Harnesses and Connectors



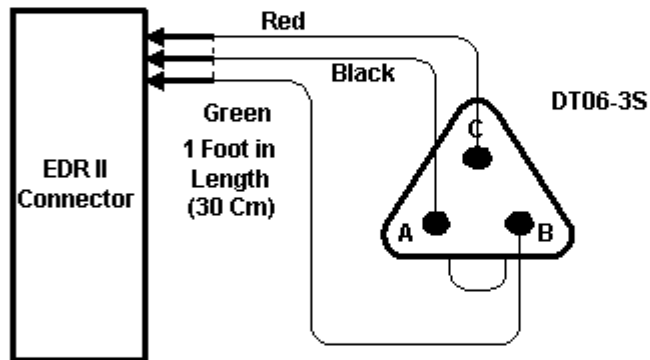
# EDRT - Remote Throttle System

## Dash Crane/Truck Switch & Chassis Harness Connections

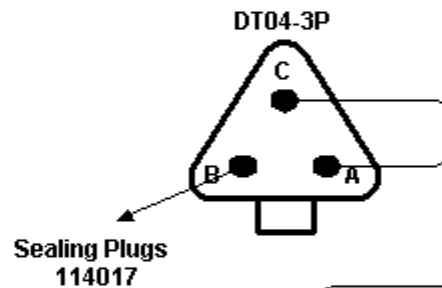


## Negative & Positive Engine Input Plug Configuration

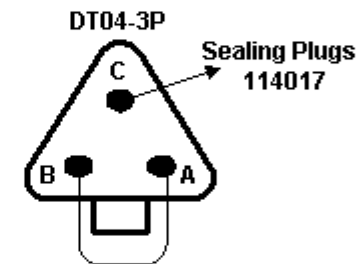
**IMPORTANT!** \_ The Engine Input Plug has to be configured properly to match the inputs needed by the engine's ECM that you are hooking up this system to. Refer to this diagram to determine the proper configuration of the Engine Input Plug. This **MUST** be done first before connecting the Main Harness to the EDRT. Failure to do this procedure properly may cause permanent damage to the engine's ECM.



### Negative Input Engines



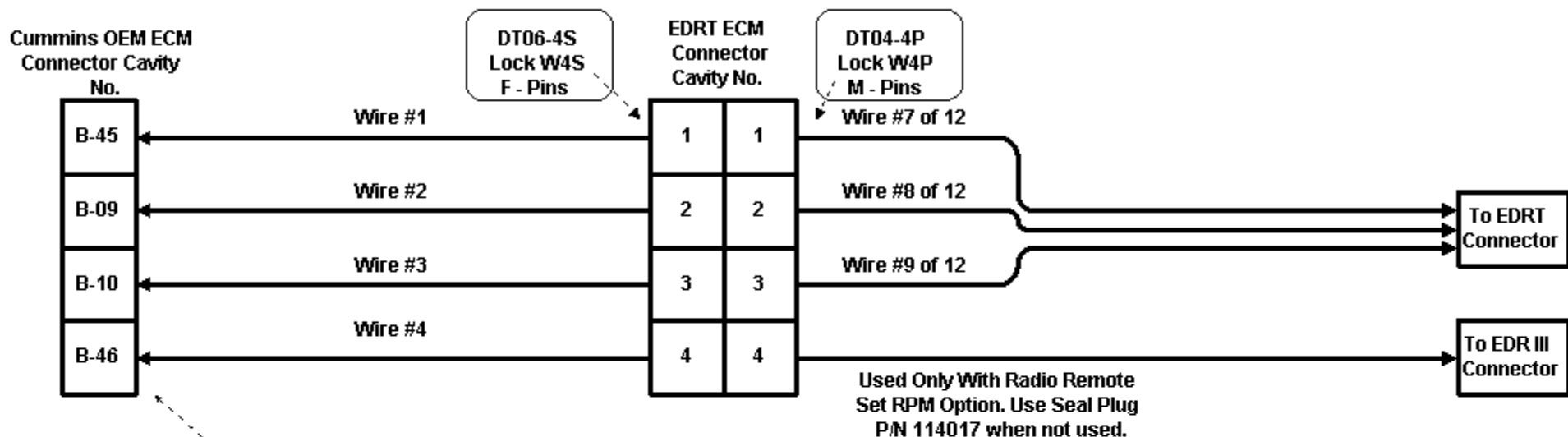
### Positive Input Engines



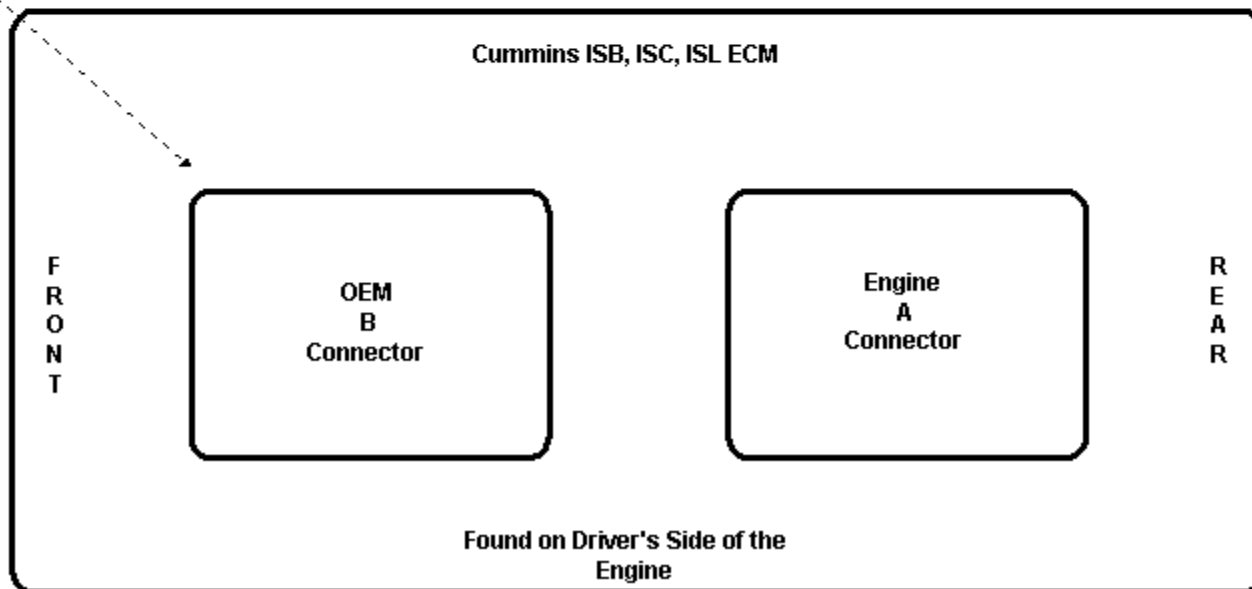
Configure the Engine Input Plug by using the table below.

<u>Negative Input Engine</u>	<u>Positive Input Engine</u>
Caterpillar Cummins Mercedes-Benz Detroit	Mack V-Mac Volvo International

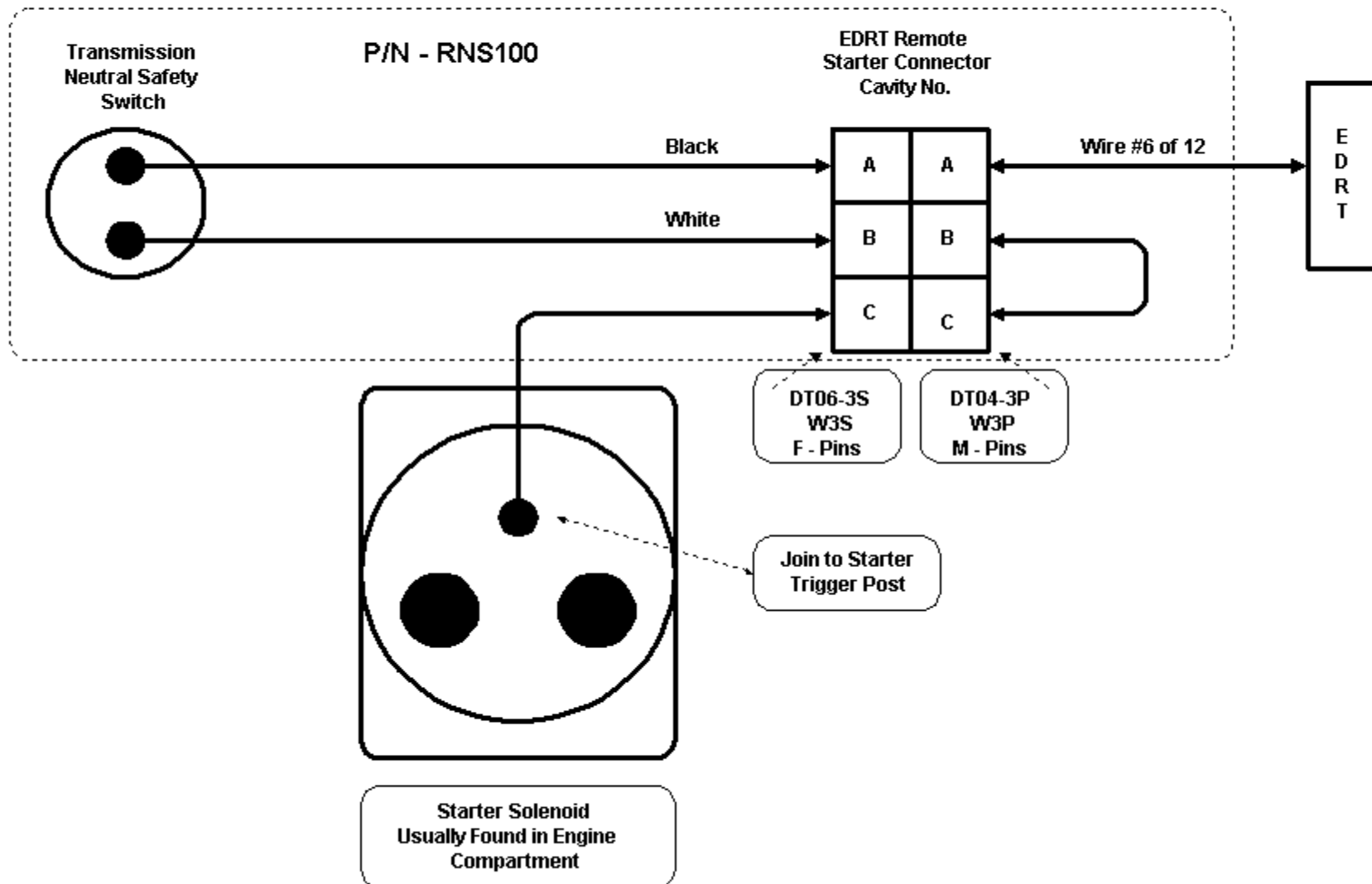
**EDRT - Remote Throttle System & Set RPM**  
**ECM Connector Wire Arrangements**  
**Cummins ISB, ISC, ISL Engines**  
**P/N ECM200**



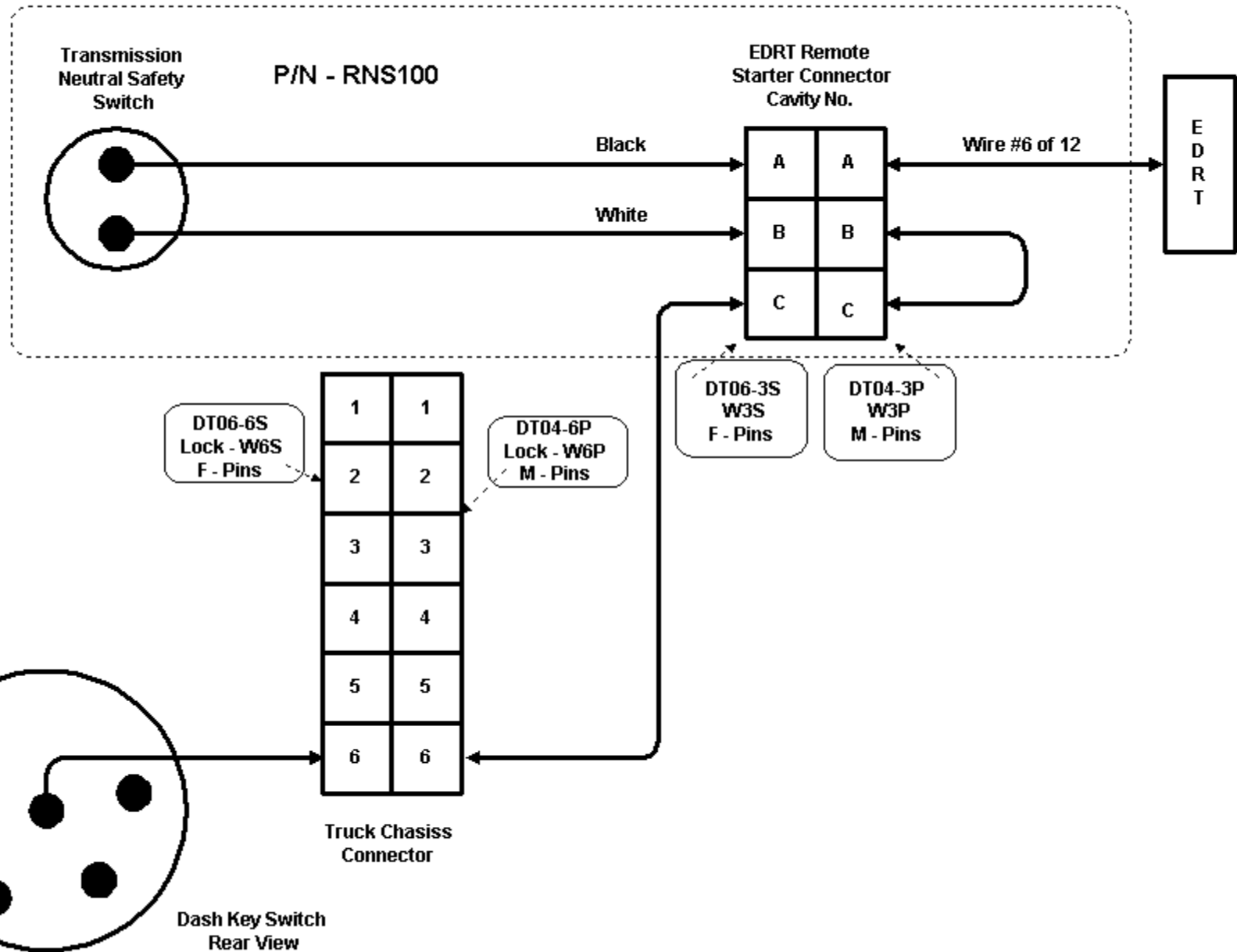
Note: If a ECM cavity is being used, tee into existing with a good sealed connector.



EDRT - Remote Throttle System  
Remote Start Wire Arrangements  
Truck Chassis at Starter Solenoid

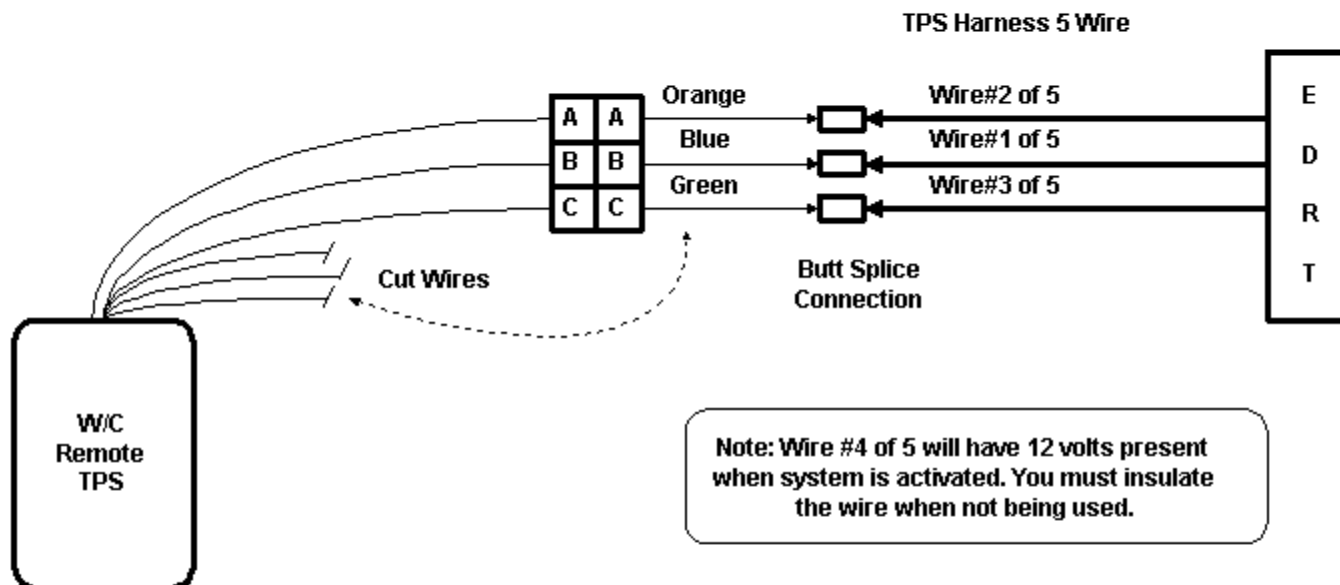


**EDRT - Remote Throttle System  
Remote Start Wire Arrangements  
Truck Chassis Key Switch Connection**

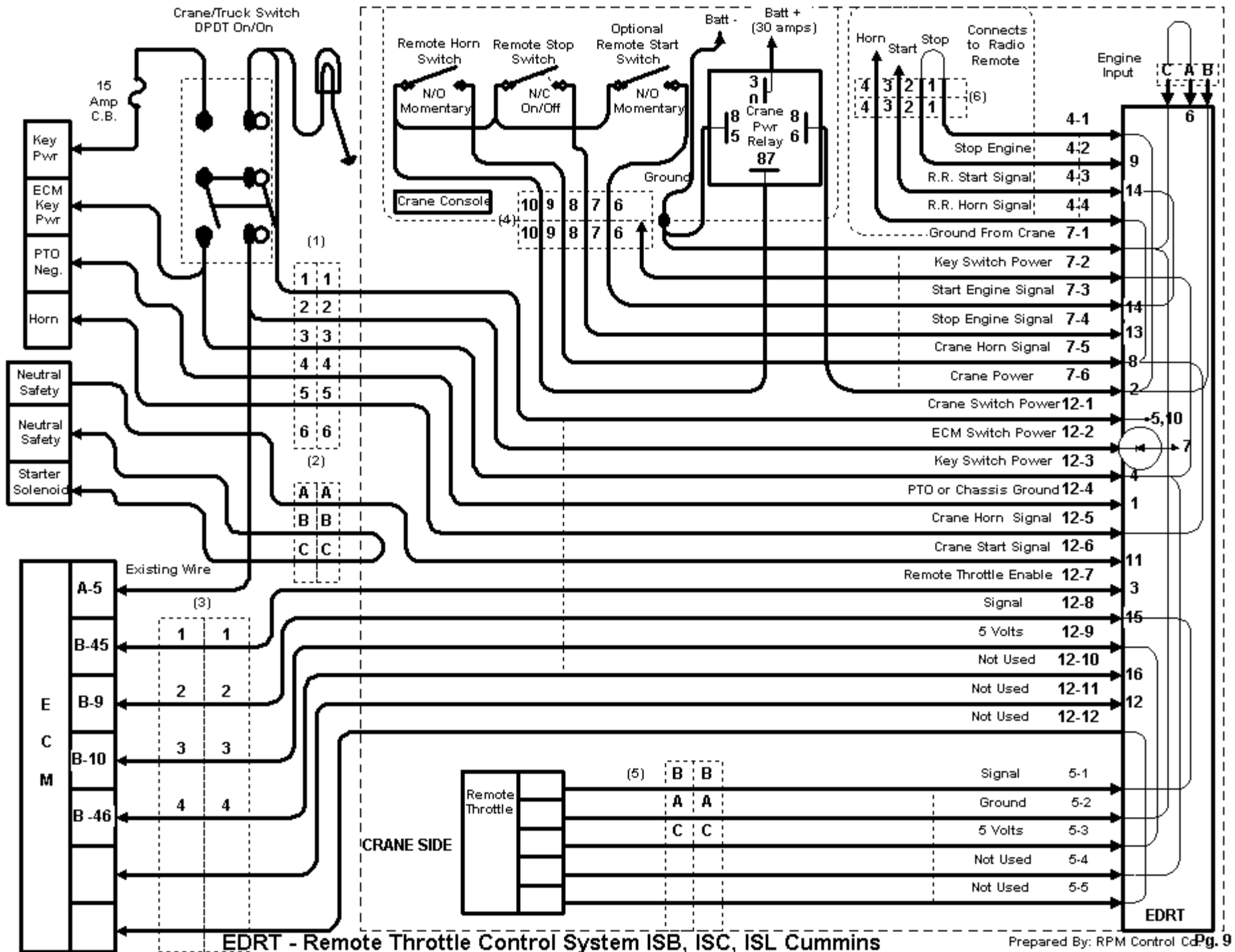




EDRT - Remote Throttle System  
W/C TPS Wire Arrangements For  
Cummins, Detroit, Mack, International, Mercedes-Benz







EDRT - Remote Throttle Control System ISB, ISC, ISL Cummins

## **EDRT - Control System Engine Parameter Settings**

### **Cummins (Celect Plus)**

**RPM Style:** Remote TPS Throttle & Set RPM

**Remote Switch Style:** Throttle Position Sensor & On/Off Switch

**Engine Manufacture:** Cummins

**Engine Models:** ISB/ISC/ISL/ISM/ISX/M11

**ECM Model:** Celect Plus

### **Features and Parameters 1**

#### **Features :**

Remote Accelerator - Check Off

#### **Vehicle Set Up:**

Governor Type: Variable Speed (Not the Switchable Accelerator Type found in Vehicle Set up 3)

Maximum RPM without VSS Signal - Set of Maximum PTO Pump Speed

### **Features and Parameters 2**

#### **PTO 1**

PTO/Remote PTO Enable - Check Off

Maximum PTO Speed - Set to Maximum PTO Pump Speed

Minimum PTO Speed - Set to Idle RPM

PTO Set Speed - Set to Idle RPM

PTO Resume Speed - Set to Idle RPM

PTO Additional Switch Speed - Default

PTO Maximum Engine Load - Default

#### **PTO 2**

PTO Accelerator Override - Don't Check Off

PTO Service Brake Override - Don't Check Off

PTO Clutch Override - Don't Check Off

PTO Zero VSS Limit - Check Off

Alternate PTO - Don't Check Off

PTO Max Road Speed - 35 mph

PTO Accel Override - not used

PTO Switch Ramp Rate - 1000 rpm/s

#### **Remote PTO:**

Number of remote PTO Set Speeds - 1

Remote PTO Speed - Set to the Desired RPM wanted for the Radio Remote