

EDRT

ISM, ISX CUMMINS

ENGINES

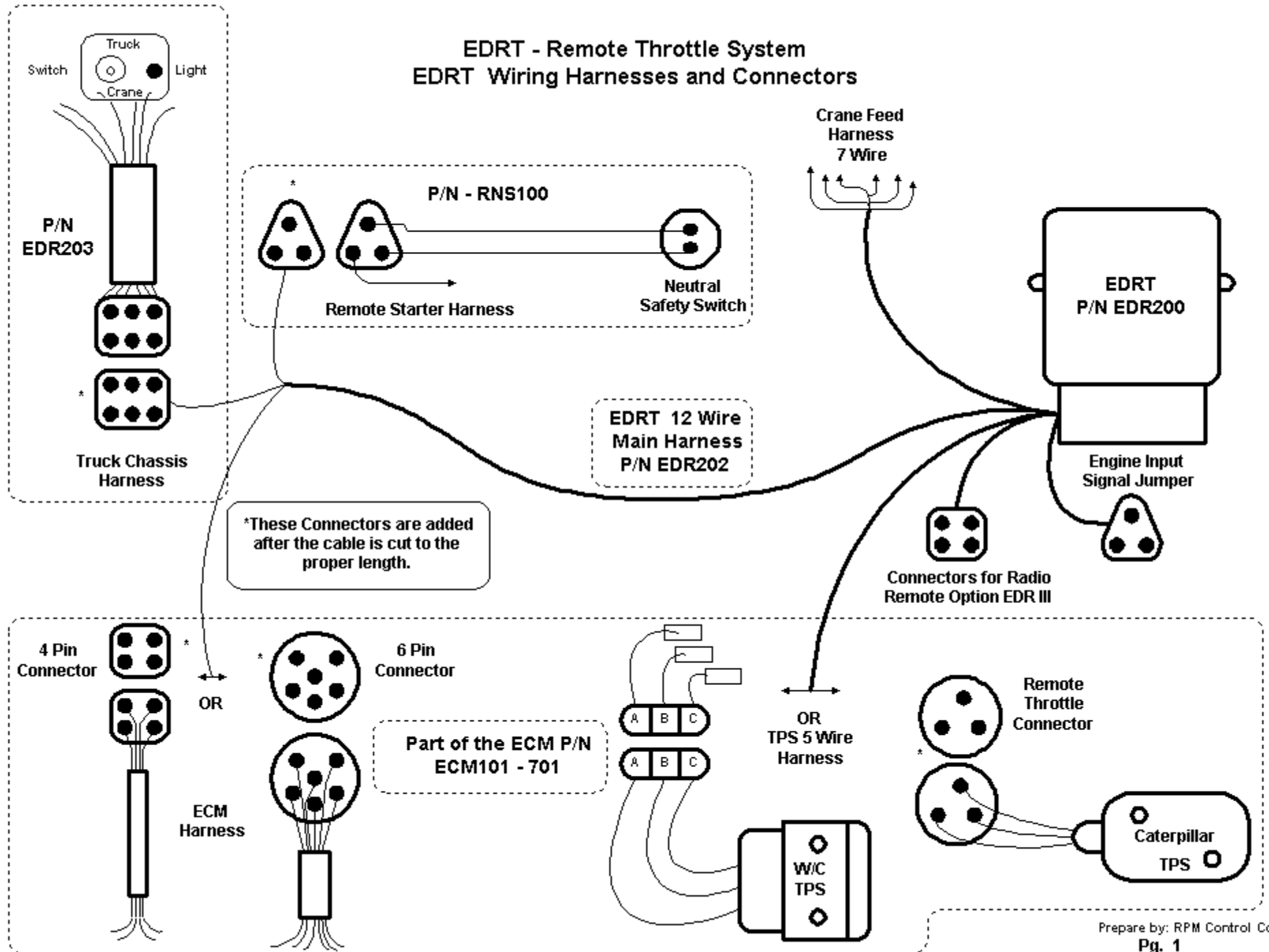
MANUAL

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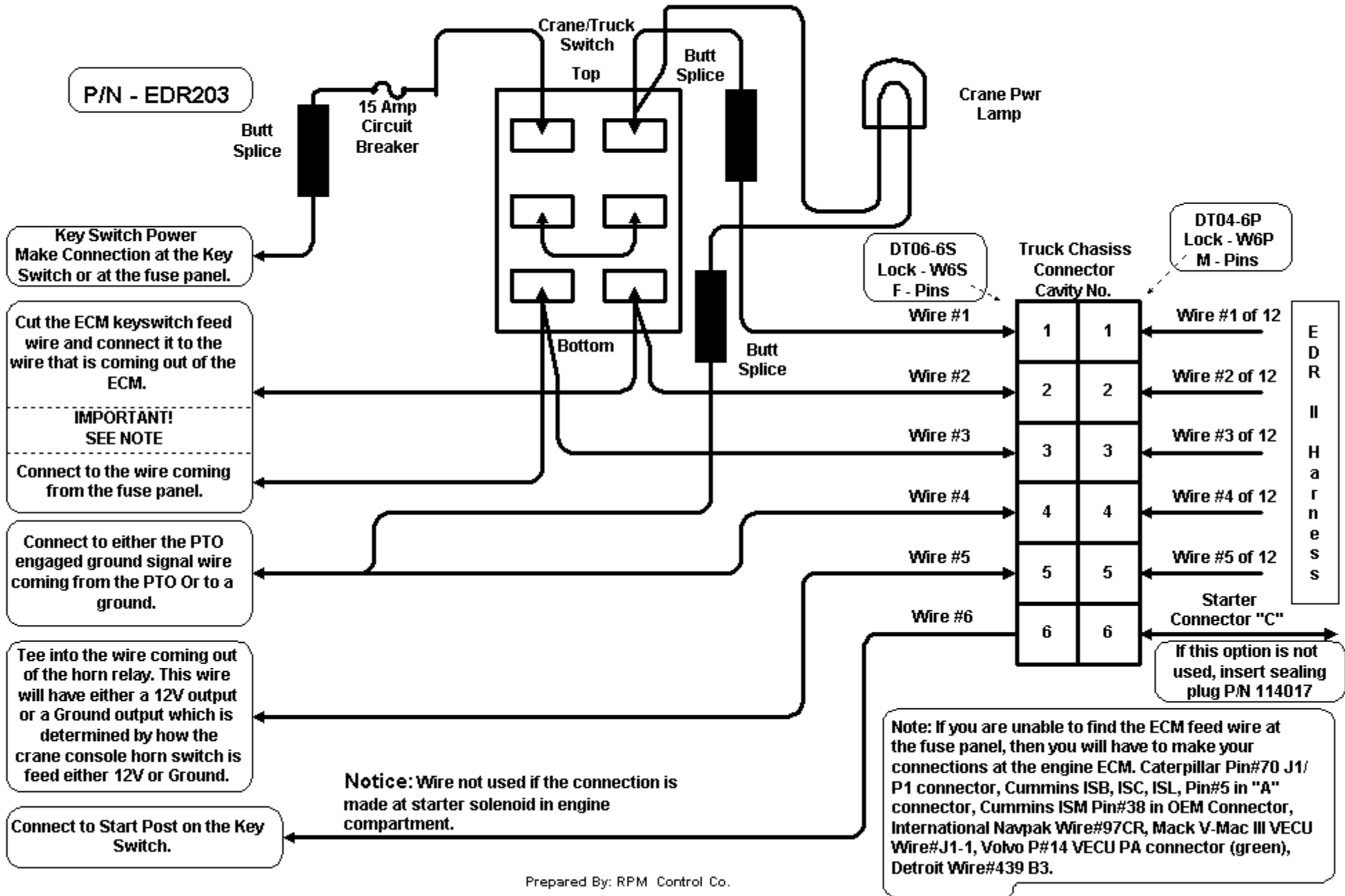
EDRT - Remote Throttle System

EDRT Wiring Harnesses and Connectors



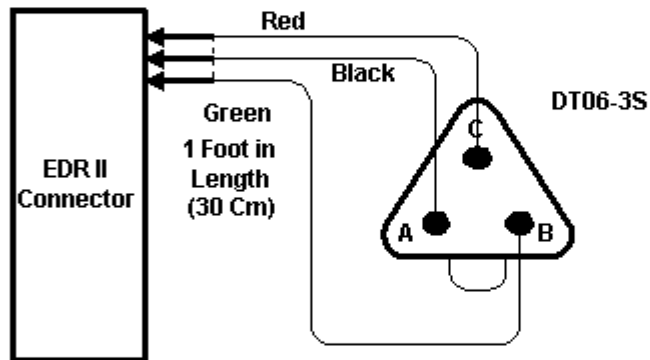
EDRT - Remote Throttle System

Dash Crane/Truck Switch & Chassis Harness Connections

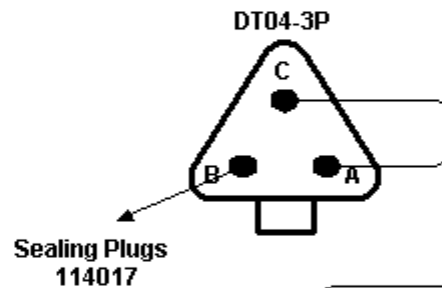


Negative & Positive Engine Input Plug Configuration

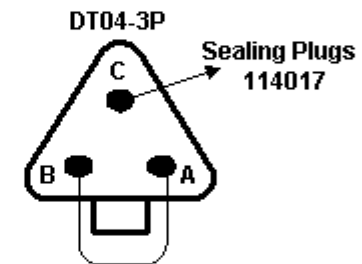
IMPORTANT! _ The Engine Input Plug has to be configured properly to match the inputs needed by the engine's ECM that you are hooking up this system to. Refer to this diagram to determine the proper configuration of the Engine Input Plug. This **MUST** be done first before connecting the Main Harness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



Negative Input Engines



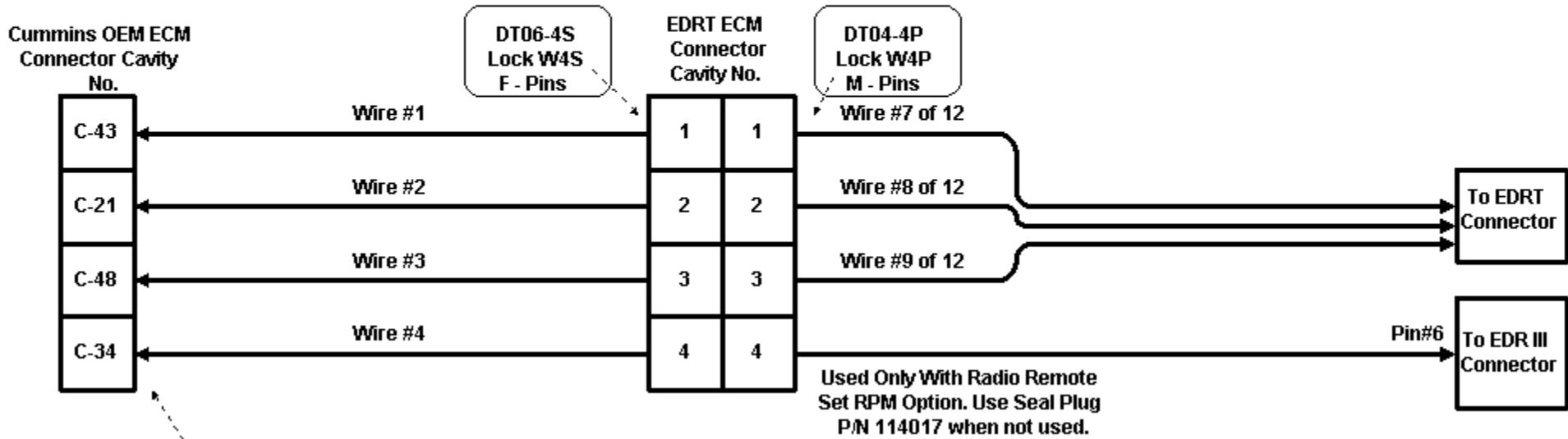
Positive Input Engines



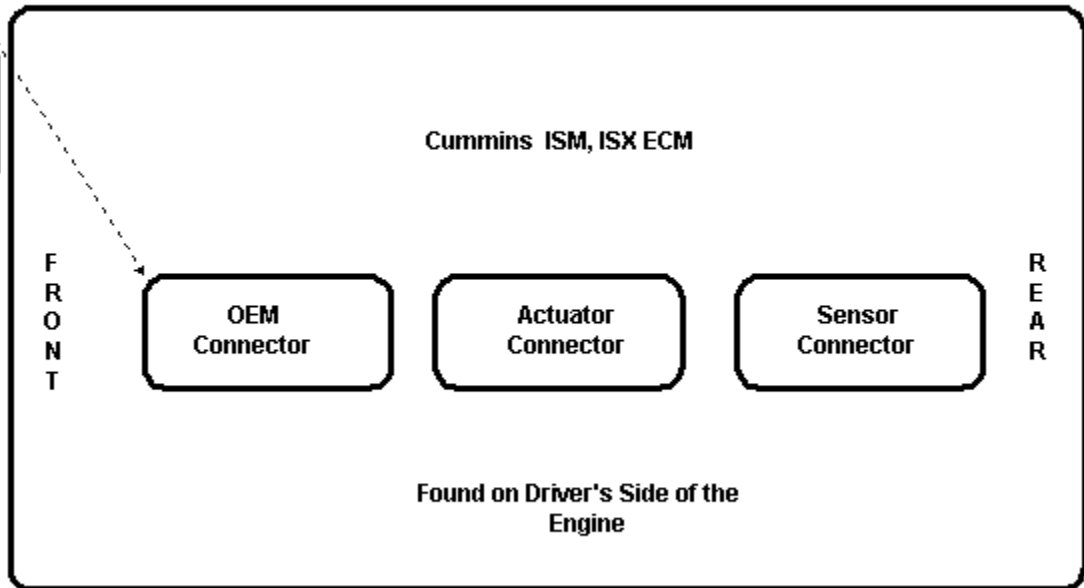
Configure the Engine Input Plug by using the table below.

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

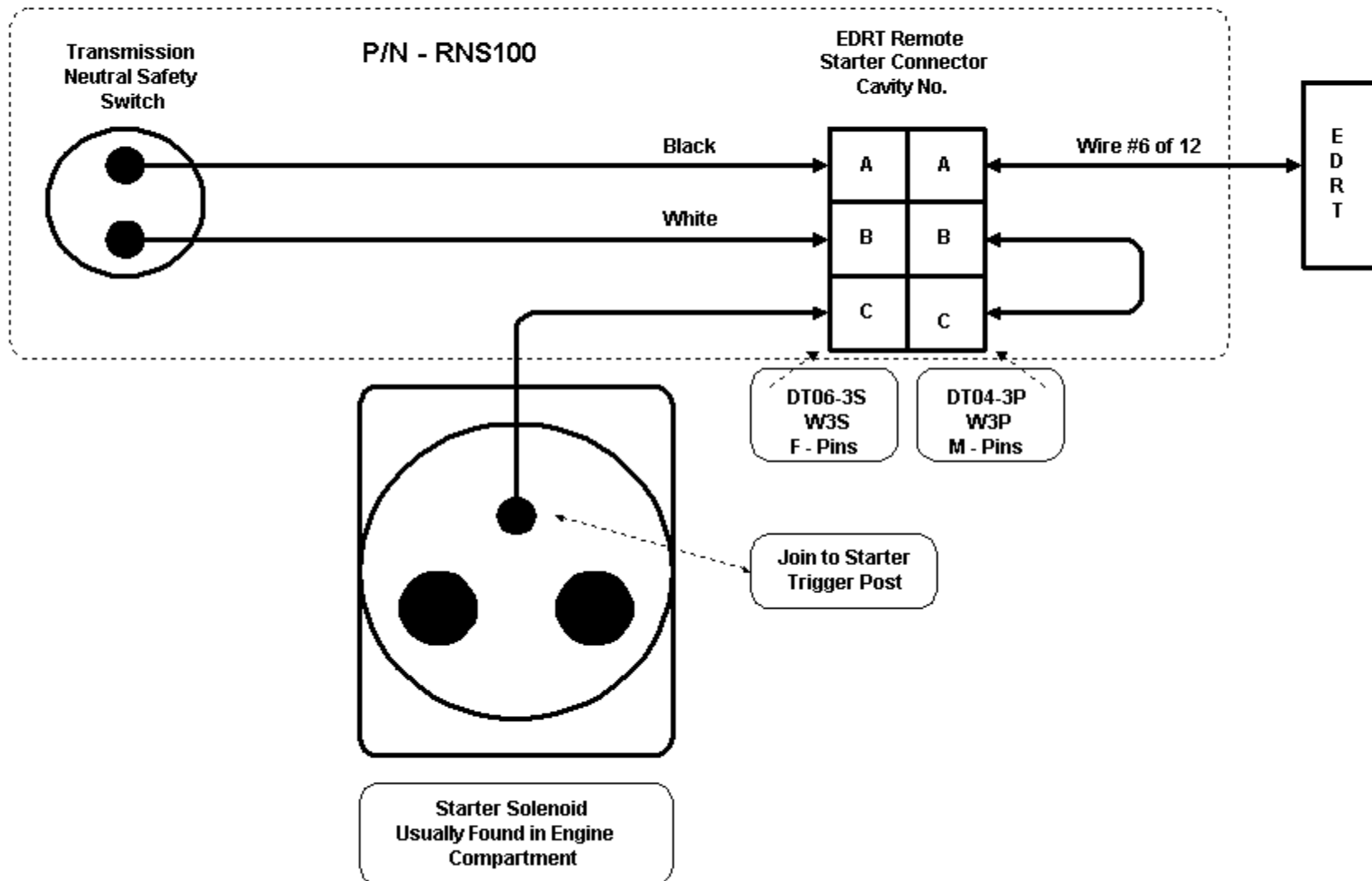
**EDRT - Remote Throttle System & Set RPM
ECM Connector Wire Arrangements
Cummins ISM, ISX Engine
P/N ECM200**



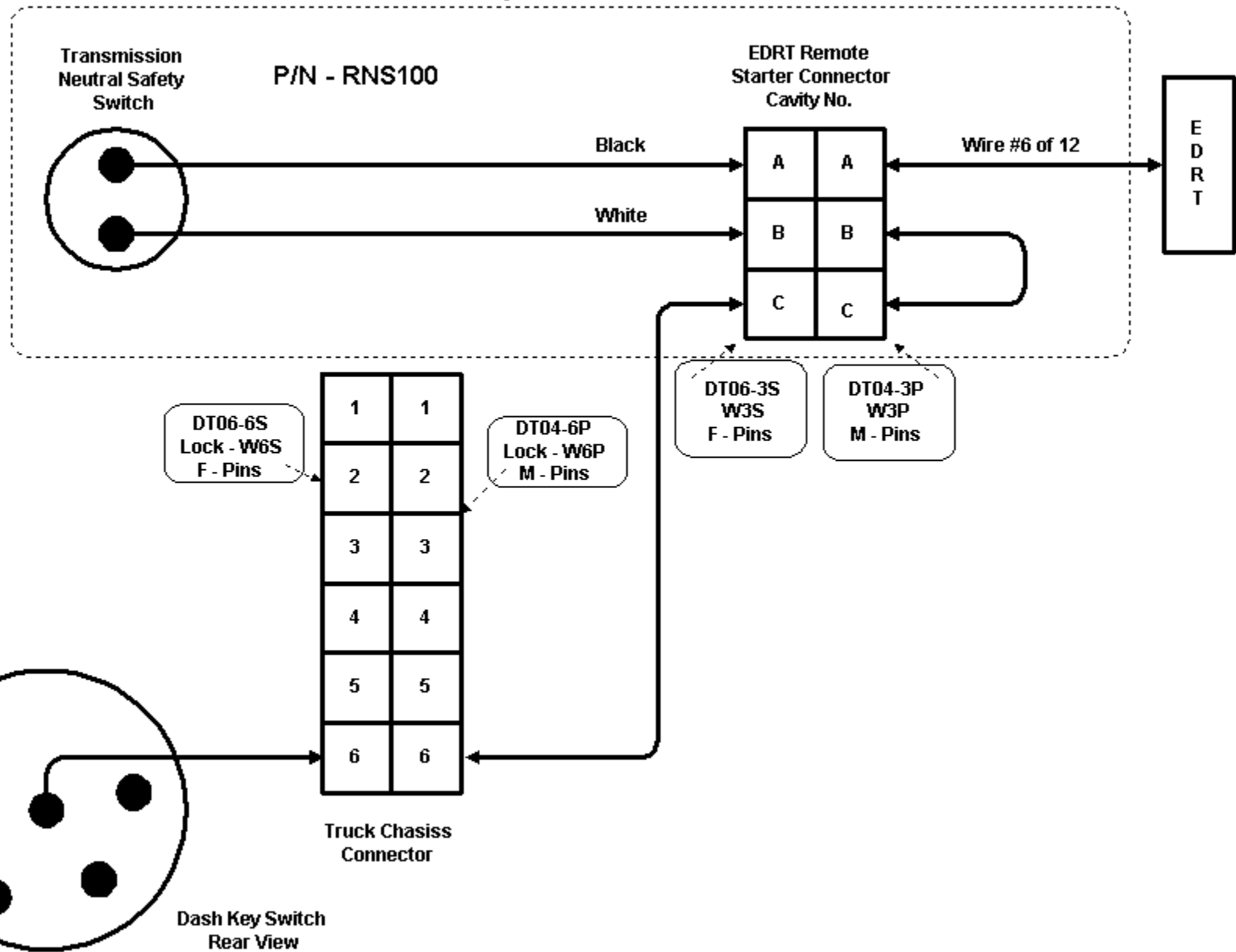
Note: If a ECM cavity is being used, tee into existing with a good sealed connector.



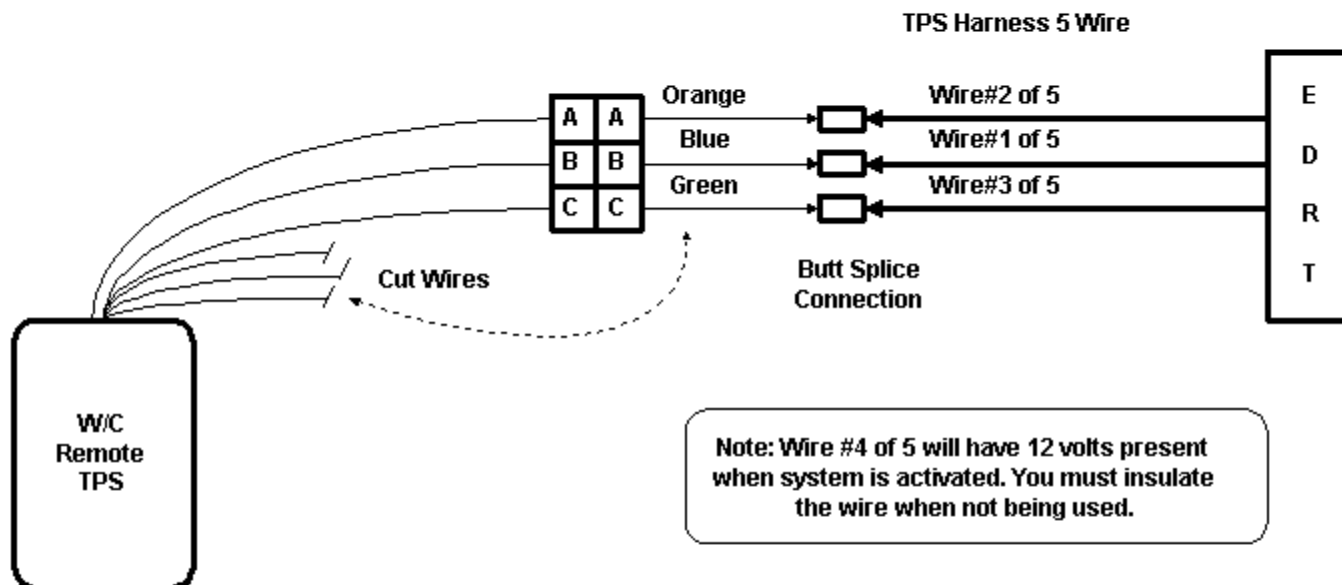
EDRT - Remote Throttle System
Remote Start Wire Arrangements
Truck Chassis at Starter Solenoid



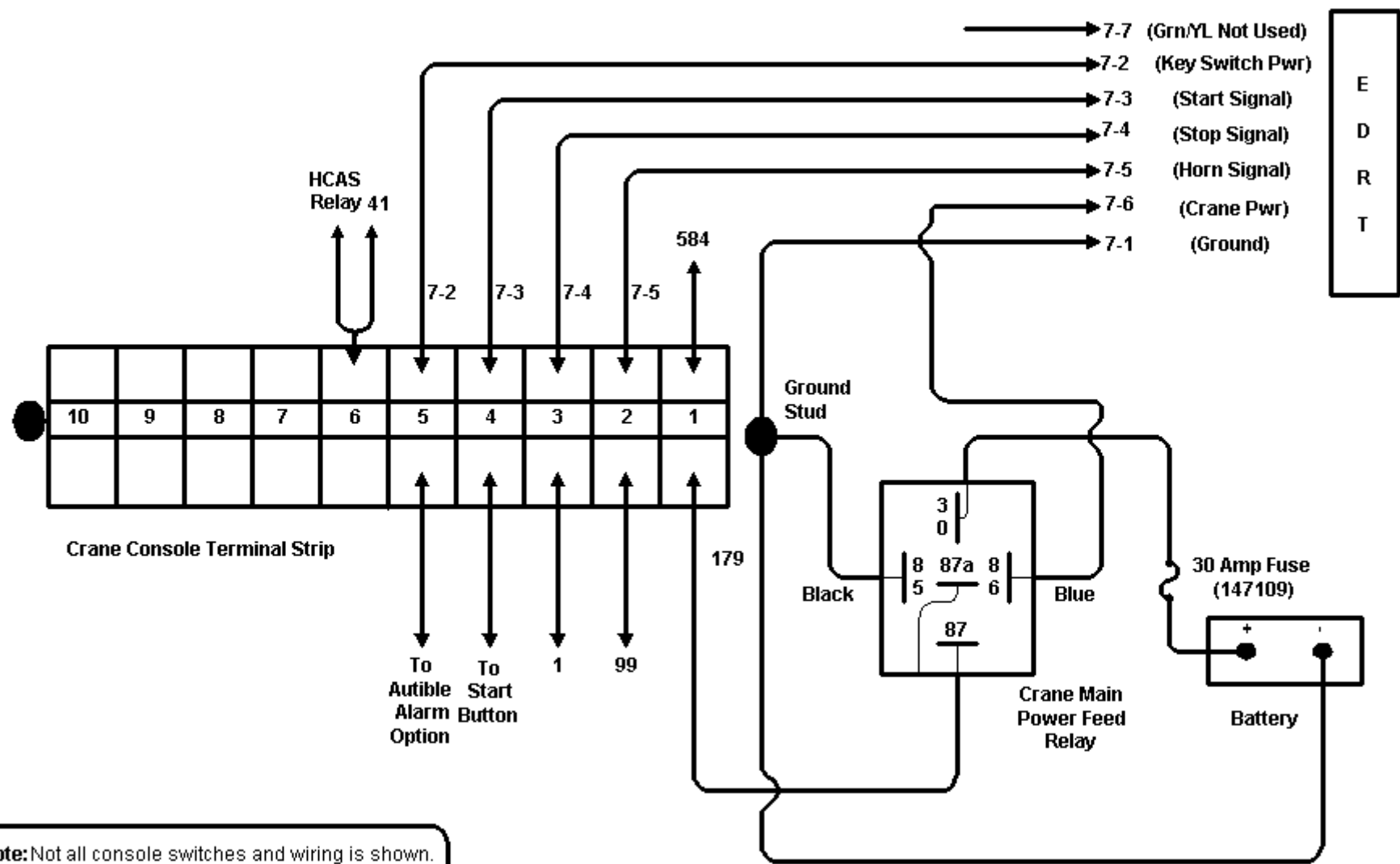
**EDRT - Remote Throttle System
Remote Start Wire Arrangements
Truck Chassis Key Switch Connection**



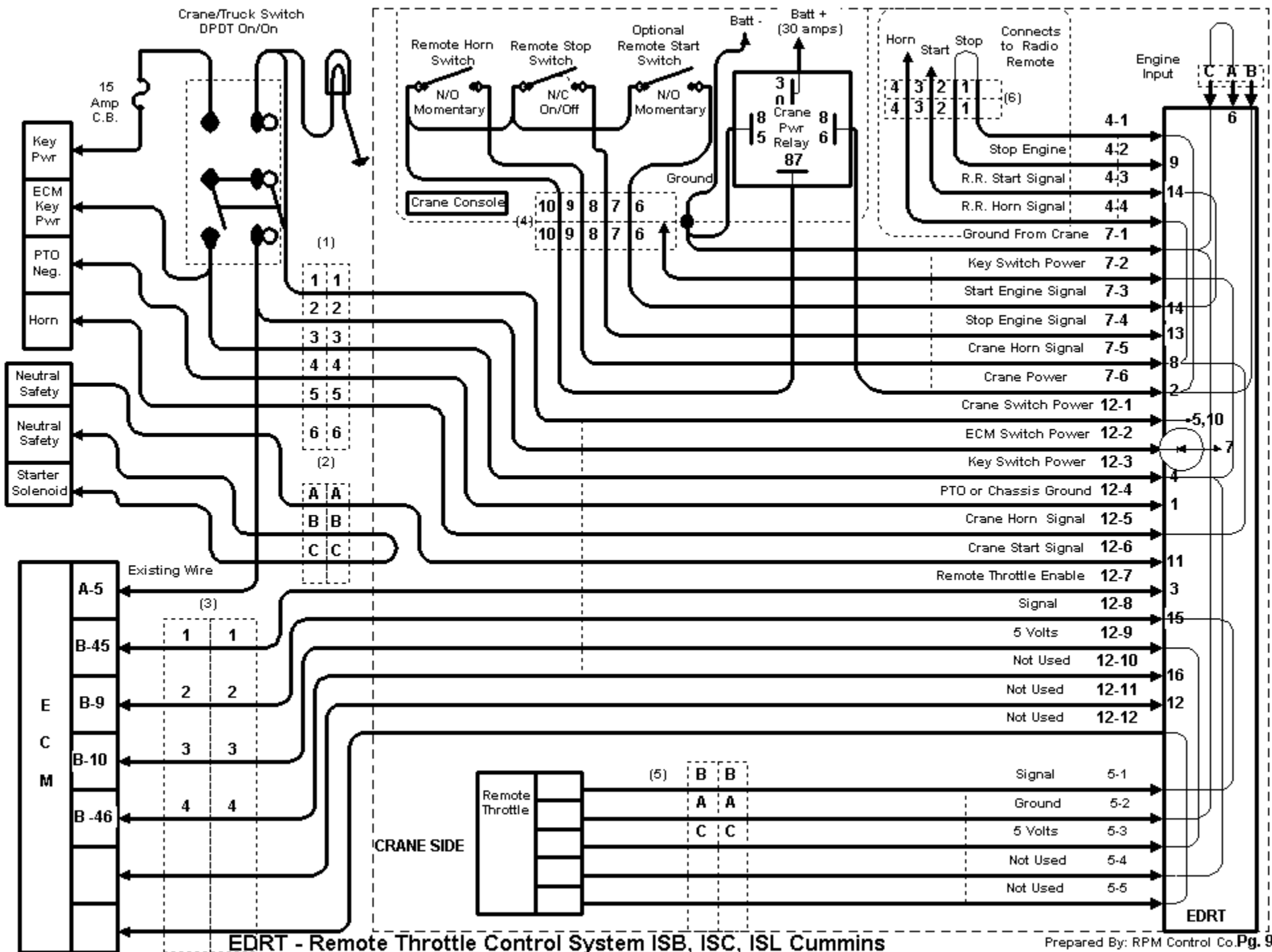
EDRT - Remote Throttle System
W/C TPS Wire Arrangements For
Cummins, Detroit, Mack, International, Mercedes-Benz



EDRT - Remote Throttle System Crane Feed Harness



Note: Not all console switches and wiring is shown. Refer to the crane electrical schematic in the owner's manual



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