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<b>Availability:</b>	ISIS, FleetISIS, NotSIR	<b>Revision:</b>	7
<b>Major System:</b>	ENGINES	<b>Created:</b>	5/5/2014
<b>Current Language:</b>	English	<b>Last Modified:</b>	6/26/2018
<b>Other Languages:</b>	NONE	<b>Author:</b>	Pablo Guerrero
<b>Viewed:</b>	10179		

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Coding Information

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**Title:** Cummins ISX SCR System wiring

**Applies To:** ProStar with 2013 Cummins ISX Engine with SCR

## CHANGE LOG

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

06/26/2018 - republished to address feedback  
 04/03/2018 - Author updated for feedback purposes  
 9/23/2015 - Added Fleet ISIS to Article Coding.  
 2/13/2015 - Added illustration for PDM location.  
 6/03/2014 - Wiring schematic for "Cummins ISX SCR wiring - Aftertreatment Harness" was updated to correct the terminal locations for IGN Power

## DESCRIPTION

The purpose of this iKnow is to provide a complete wiring schematic to be used with EPA 2013 Cummins ISX engines with SCR. The content that follows will break the system out into 3 sections:

- **Chassis, or OEM side of the engine harness**
  - Upstream NOX sensor
  - 20 way DEF Harness interconnect
  - 12 way Aftertreatment interconnect
  - Aftertreatment fuse (30amp)
  - Coolant flow valve(controls coolant flow to the various SCR components)
- **Def harness**
  - Power Distribution Module (PDM)
  - DEF Supply Module
  - DEF Line Heaters
  - DEF Head (Tank level and Temperature Sender)
  - Terminating resistor
- **Aftertreatment harness**
  - SCR Sensor Table
  - DPF Sensor Table
  - DEF Doser

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## SYMPTOM(s)

### Diagnostic Trouble Codes

There are over 150 possible fault codes that could apply to this article. To check your codes simply input the 4 digit **Cummins fault** and click submit to see if your code applies, or does not apply to this article.

Enter the Cummins Fault code

Submit

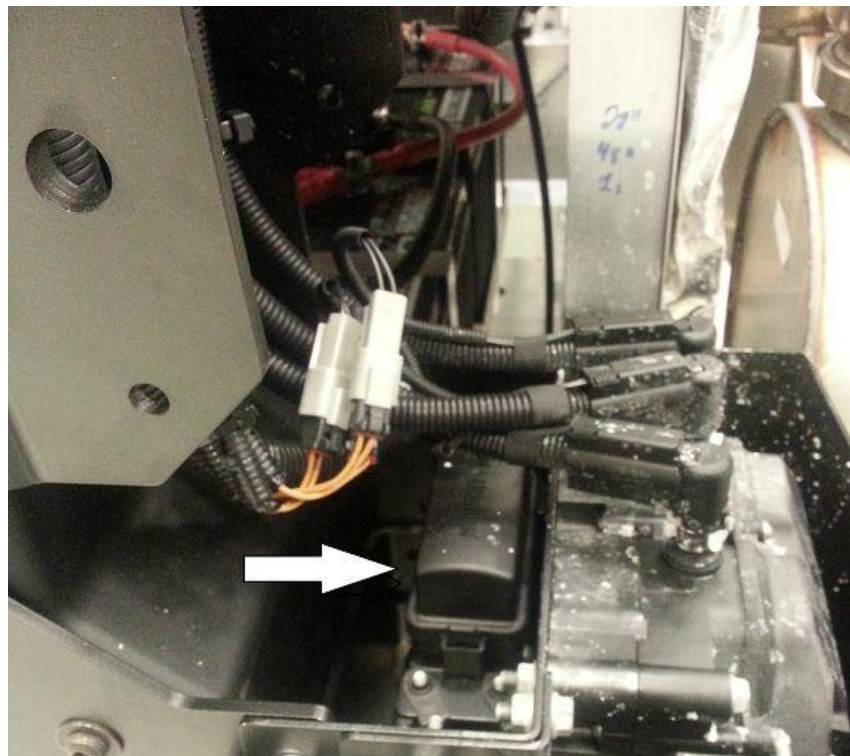
#### Customer Complaint(s):

- Engine related warning lights on dash
- Possible engine de-rate

### Service Information

- [Cummins ISX SCR wiring - Engine Harness](#)
- [Cummins ISX SCR wiring - DEF Harness](#)
- [Cummins ISX SCR wiring - Aftertreatment Harness](#)
- [Cummins ISX SCR - Connector Composites](#)

### Component Location



Typical Power Distribution Module (PDM) Location, Behind Diesel Exhaust Fluid (DEF) Tank.


### WARRANTY INFORMATION

#### Warranty Claim Coding:

Step	Description	SRT Link	Hours	Group	Noun
Service Information	Wiring Repair(s), Perform	<a href="#">A08-2001A</a>	0.2	12000	565
Service Information	Wiring Repair(s), Perform	<a href="#">A08-2002A</a>	0.4	12000	565
Service Information	Wiring Repair(s), Perform	<a href="#">A08-2003A</a>	0.6	12000	565
Service Information	Wiring Repair(s), Perform	<a href="#">A08-2004A</a>	0.8	12000	565
Service Information	Wiring Repair(s), Perform	<a href="#">A08-2005A</a>	1.0	12000	565

## **OTHER RESOURCES**

- [Cummins Quickserve Online \(Log In Required\)](#)
- [000002122 - ProStar + and LoneStar \(EPA\) 2010 - Electrical Circuit Diagrams Manual](#)

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