



Countries:	CANADA, UNITED STATES, MEXICO, PUERTO RICO	Document ID:	IK1201119
Availability:	ISIS	Revision:	2
Major System:	ENGINES	Created:	5/5/2014
Current Language:	English	Last Modified:	6/11/2014
Other Languages:	NONE	Author:	Keith Kierzek
Viewed:	424		

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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

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

5/12/2014 - Article was created.
6/03/2014 - Wiring schematic for "Cummins ISX SCR wiring - Aftertreatment Harness" was updated to correct the terminal locations for IGN_Power and Ground

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

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](#)

WARRANTY INFORMATION

Warranty Claim Coding:

Step	Description	SRT Link	Hours	Group	Noun
Service Information	Wiring Repair(s), Perform	A08-2001A	0.2	12000	565
Service Information	Wiring Repair(s), Perform	A08-2002A	0.4	12000	565
		A08-2003A	0.6	12000	565

Service Information	Wiring Repair(s), Perform				
Service Information	Wiring Repair(s), Perform	A08-2004A	0.8	12000	565
Service Information	Wiring Repair(s), Perform	A08-2005A	1.0	12000	565

OTHER RESOURCES

- [Cummins Quickserve Online \(Log In Required\)](#)
- [0000002122 - ProStar + and LoneStar \(EPA\) 2010 - Electrical Circuit Diagrams Manual](#)

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