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 Cummins ISB6.7



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Our Service Department is dedicated to meeting all of your service needs and to keep your fleet running in top condition. As an authorized service center, we have Factory Trained, ASE Certified and Diamond Certified Technicians.

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WEBINAR REPORT

Hoglund hosts a live webinar every month. Our training from our service, parts and sales departments covers the latest training updates, leasing information, inventory and other offers. We've created a library online at www.hoglundbusandtruck.com. We invite you to view the past webinars when it's convenient for you.

January Webinar
January 15th, 10am - 11am
Topic: Hydraulic Break System Update
Presented by: Doug Yager, Tech Help Specialist

To register, please e-mail training@hoglundbus.com. We will include you on our e-mail reminder 2 weeks prior to webinar, along with login information and training topic.



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Contact us:
 Toll Free (877) 752-4733
 Fax (641) 753-7888

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Direct Lines:

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HOGLUND BUS AND TRUCK
 The Transportation Specialists

Sales Team Contacts

Marc Steele (Eastern) (641) 512-3854 Don Stull (Central) (641) 751-4365
 Kevin Schmidt (Western) (612) 819-6017

To view our new and used inventory, go to www.hoglundbusandtruck.com

New Bus Inventory

PASS	YEAR	SPEC	MAKE	ENGINE	BRK
28	2014	1430	Chevy/MidBus	Chevy	H
44+	2015	1501	PB105	MXDT/230	A
77	2015	1503	PB105	MXDT/230	A
77	2015	1504	PB105	MXDT/260	A
44+	2015	1505	PB105	ISB/240	A
65	2015	1507	PB105	ISB/240	A
65	2015	1508	PB105	ISB/240	A
65	2015	1509	PB105	ISB/220	A
84	2015	1510	PB305	MXDT/285	A
65	2015	1511	PB105	MXDT/230	H
65	2015	1517	PB105	ISB/220	H
71	2015	1518	PB105	MXDT/230	A
65	2015	1519	PB105	MXDT/230	A
65	2015	1527	PB105	MXDT/230	A
65	2015	1528	PB105	MXDT/230	H

Used Bus Inventory

Large Conventional Buses 65 to 77 Passenger

PASS	YEAR	FILE	MAKE	ENGINE	BRK	ODM
65	2010	22364ai	BB	Cummins	A	41,665
65	2005	23338ai	IC	DT466	H	92,305
65	2005	23339ai	IC	DT466	H	102,586
65	2005	23336ai	Blue Bird	CAT C7	H	97,765
66	2003	22291ai	IC	DT466	A	103,994
65	2002	23334ai	GMC	8.1 L	H	132,077
65	2002	23335ai	Chev	8.1 L	H	145,378
71	2001	22290ai	IH	DT466	A	82,460

Transit Buses

54	2010	22582ai	BB	Cummins	H	71,241
65	2001	22359ai	TH	ISB	A	115,431

Smaller Buses 10 to 64 Passenger

30	2013	23077A	IC	MX7	H	21,217
19	2012	22245Ai	Chevy	6.0L	H	6,310
30	2010	21098A	Chevy	6.0L	H	47,236
53	2006	22923A	IC	DT466	H	97,395
34	2005	23101A	IC	VT365	H	65,477

Special Needs Lift Buses

18+2	2010	23073A	Chevy	6.0	H	75,428
14+1	2009	23072A	Chevy	6.0	H	79,240

I326 Variable Geometry Turbo: Supplemental Diagnostics

Applies To: International MaxxForce DT, 9, and 10 Diesel Engines (2007 through 2009 MY), Serial number range: 3000000 through 3299999.

Description

This document is a diagnostic and repair guide for 2007 through 2009 model year Variable Geometry Turbo (VGT). Use it as a supplement to ISIS versions EGES-335 and EGES-370.

Symptoms

NOTE: Any one of the following test results, performance symptoms, or Diagnostic Trouble Codes (DTC) is a sufficient reason to use this guide.

Key On Engine Running (KOER) tests:

- Failed KOER standard test with Exhaust Back Pressure (EBP) codes
- Failed KOER air management test with Exhaust Back Pressure codes

Symptoms

Low power · Poor throttle response · Boost issues · EBP issues · Smoke

DTC

2174, 2175, 2176, 2177 · 3345, 3346, 3347, 3348

Procedure

Part A: Turbocharger Assembly Operational Test. Proper turbocharger Smart Remote Actuator (SRA) link operation is indicated by a full sweep of the link when the ignition key is initially turned on. A full sweep is confirmed when the SRA link moves fully downwards and returns to its original position.

Observe SRA link while turning ignition on:

1. If SRA link completes a full sweep five times (once per ignition key cycle) then the turbocharger is operating properly; no further turbocharger diagnostic action is required.
2. If at any time, following initial ignition key-on, the SRA link doesn't move at all, moves partly, erratically, or otherwise does not complete the full sweep then proceed to Part B.

Part B: Failed Component Identification.

1. Turn ignition switch to OFF.
2. Wait for ECM to power off (15 seconds).
3. Push the linkage by hand to the opposite end of travel and release.
 - a. If the linkage moves smoothly with a spring-like resistance and returns to its original position then go to PART C. Note: The link will not bounce when it returns to the stop.
 - b. If the linkage is stuck, drags, or does not return to its starting position then go to Part D.

Part C: Circuit Diagnostics.

1. Complete circuit diagnostics per Diagnostic Repair Manual EGES-370.
2. Repeat Part A.

Part D: Mechanical Diagnostics.

Non-serviceable SRA only-ball joint secured with e-clip (do not attempt to remove)

1. Remove turbocharger assembly-See "Variable Geometry Turbocharger (VGT)" section in Engine Service Manual EGES-335-1 or latest revision.
2. Disassemble Turbo Housing per iKNOW article IK1200432 Disassembly section. Push the linkage by hand to the opposite end of travel and release:

- a. If the linkage moves smoothly with a spring-like resistance and returns to its original position then replace the turbine housing.
 - b. If the linkage is stuck, dragging, or does not return to its starting position, then replace the turbocharger assembly.
3. Repeat Part A.

Serviceable SRA only—ball joint attached with 4mm Allen-head screw (I-6 engines with ESN 3032558 and later) Note: The serviceable SRA can be removed and installed with turbocharger assembly installed on the engine.

1. Unthread 4mm Allen-head screw to remove the link.
2. Push the linkage by hand to the opposite end of travel and release:
 - a. If the arm is stuck, dragging, or cannot move then replace the SRA. Note: additionally the turbine housing pivot arm is expected to move free.
 - b. If the arm moves smoothly with a spring-like resistance replace the turbine housing. Note: additionally the turbine housing arm is expected to be stuck or resist movement.
3. Repeat Part A.

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HOGLUND University

Because we want to help you gain the knowledge needed to complete your tasks successfully, we have provided you the tools you need online. The training tools and presentations can be found online at www.hoglundbusandtruck.com under the Hoglund University link. Below are the courses offered in Hoglund U's Custom Learning Management System.



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Wiper Shaker

Part No: SKR002

\$89.⁵⁶ ea.



CE-T or CE-B Full Windsheild

\$199.⁰⁰ ea.



Thermo Glass

Part No: 452416004

\$79.⁰⁰ ea. when you buy 4

We now carry a full line of cutaway chassis suspension parts, along with heavy duty brake parts for all of your small bus repairs!



Power Service Fuel Additive

Part No: PSP8025

\$7.⁰⁰ ea. or \$6.⁰⁴ ea. in a case of 12



Power Service Fuel Additive

Part No: PSP1025

\$5.⁸⁴ ea. or \$5.⁵⁰ ea. in a case of 12



New REI mid-mount HD camera

Can be added to an existing REI camera system or as part of a new installation. Meets Minnesota & Iowa spec for middle of bus cameras, and is priced similar to any other REI interior camera.

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We invite you to call our Tech Helpline with any technical question you might have.

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Hoglund's Unsung Hero for 2013

Hoglund Bus & Truck would like to take a moment to recognize an individual who works "behind the scenes" to help make us all successful. This person embodies the spirit of collaboration, support of our customers, and leadership to play an integral role in our growth and ultimately our success.



Congratulations to John Holker for being this year's Unsung Hero 2013! John is a valuable part of our Sales Department. He was nominated by his coworkers for his many accomplishments throughout his 25+ years with Hoglund's.

Testimonials from co-workers:

"John quietly goes about his work everyday. He exemplifies all the key characteristics of the unsung hero."

"John is helpful with training others, great at problem solving and open lines of communication."

"John takes great pride in his work with very few mistakes."

"John is a calm and steady producer of results, regardless the situation."

"John has a very high bus IQ, he knows what works and knows the product!"