

**John Deere Power Systems
Product Support Bulletin**



REVISION DATE: 22 April 2014 – Updated UEGO Part Number
REVISION DATE: 30 January 2014 – Added “ADDITIONAL INFORMATION” Section
REVISION DATE: 17 October 2013 – Added Instruction Clarification

APPLIES TO: 8.1L CNG OEM Engines
SUBJECT: PIP 12RG325- 8.1L CNG Turbocharger Reliability Update (Urban Bus)
DTAC SOLUTION: 96669

Program Classification: Mandatory Safety

Products Affected: 6081HFN04

SITUATION:

8.1L 6081HFN04 CNG engines in urban buses may experience turbocharger failures, which may lead to engine damage, oil leak, or fire. Voluntary NHTSA recall PE12006 has been issued, and customers notified of the program.

CORRECTION:

Replace the existing UEGO with a new Robert Bosch UEGO system. Additionally, Crankcase Ventilation (CCV) systems will be replaced if they do not meet Deere design guidelines. Update affected engines with MPRG32267 UEGO kit and appropriate CCV kit depending on model of bus being updated. New ECU software will be required for new UEGO system. Turbochargers are to be inspected and replaced according to turbocharger inspection chart.

ADDITIONAL INFORMATION:

Any active DTC codes need to be corrected prior to installation of this update. Diagnosing and correcting problems that exist prior to the installation of this update will not be reimbursed through this program. If DTC code 3056.02 or 3056.18 is present after this update is installed please refer to Solution [97647](#).

INSTRUCTIONS:

Installation instructions are not contained within the PIP kit, and are not available in hard copy. Installation instructions may be accessed by clicking on the linked instruction number below, or by typing the instruction number into the search field within the Field Installation Instruction website:

<http://jdsearch.deere.com/servlet/SearchServlet?SearchID=agdlrdoc>



Additional parts, if required, are listed in CCV installation instructions.

- Instruction [RG39721](#) is available for installation of Robert Bosch UEGO system.
- Instruction [RG39624](#) is available for installation of CCV kit on El Dorado EZ Rider buses.
- Instruction [RG39681](#) is available for installation of CCV kit on El Dorado 2005 Access buses.
- Instruction [RG39682](#) is available for installation of CCV kit on El Dorado 2008 Access buses.
- Instruction [RG39628](#) is available for installation of CCV kit on New Flyer buses.
- Instruction [RG39632](#) is available for installation of CCV kit on Orion 5 buses.
- Instruction [RG39637](#) is available for installation of CCV kit on Orion 7 buses.
- Instruction [RG38715](#) is available for installation of the turbocharger.

SPECIAL TOOLS:

None required.

ADMINISTRATIVE QUESTIONS:

Refer to JDPS Service Administration Manual (SAM) for details. If you have additional administrative questions you may contact John Deere Power Systems PIP Administration at 319-292-5534.

TECHNICAL QUESTIONS:

If you have additional technical questions concerning this PIP submit a DTAC case as required.

For correct kit and instruction ordering, verify bus model with customer prior to traveling to bus. Also, the technician will need to open a DTAC case and insert “PIP 12RG325 – RB software needed for CNG” into the line description prior to traveling to the bus. The DTAC representative will then correctly update the software needed for the programming step at the end of the installation.

KIT INFORMATION:

MPRG32267 UEGO Kit Contents:

Qty	Part #	Description
1	RE571546	UEGO
1	RE555062	Controller
1	RE555363	Wiring Harness
4	37H132	Mounting Screws
4	24M7139	Washer 1/4 ID x 3/4 OD
6	R44302	Zip Ties
1	R536799	Weld Bung
1	R39566	O2 Sensor Plug (GM 10017198)

Service parts are not currently available for kit MPRG32267. If service parts are needed, submit a DTAC case.

MPRG32271 El Dorado CCV Kit Contents:

Qty	Part #	Description
1	RG39618	Tube (R545279)
1	RG39619	Tube (R545280)
1	RG39620	Tube (R545281)
1	RG39621	Tube (R545282)
1	RG39622	Tube (R545283)
1	RG39623	Tube (R545284)
8	TY22539	Worm Clamps
2	R536815	Small Bracket
4	M42626	Screw
4	N205662	Nut
4	24M7139	Washer
5	M166804	P - Clamp
1	R519368	Hose
1	R523245	Hose
1	RG39720	Grommet (McMaster-Carr #9600K51)
1	N400403	Straight Bracket
1	R536814	Large L Bracket
3	37H132	Screw

MPRG32272 New Flyer CCV Kit Contents:

Qty	Part #	Description
1	RG39625	Tube (R539520)
1	RG39626	Tube (R539521)
1	RG39627	Tube (R539522)
2	RG39720	Grommet (McMaster-Carr #9600K51)
3	M42626	Screw
3	N205662	Nut
3	24M7139	Washer
3	M166804	P - Clamp
2	R519368	Hose
6	TY22539	Worm Clamps
4	19H3683	Bolt
8	M161272	Bushing
4	M158040	Nut
1	R523245	Hose
1	R536814	Large L Bracket (Rev B)
1	37H132	Screw
4	24H1122	Washer

MPRG32273 Orion 5 CCV Kit Contents:

Qty	Part #	Description
1	RG39629	Tube (R545285)
1	RG39630	Tube (R545286)
1	RG39631	Tube (R545287)
6	TY22539	Worm Clamps
1	AT375576	Muffler Clamp
1	R536815	Small L Bracket
1	M42626	Screw
1	N205662	Nut
1	24M7139	Washer
1	M166804	P-Clamp
1	T140924	P-Clamp
2	R519368	Hose
1	H160024	Hose
2	RG39720	Grommet (McMaster-Carr #9600K51)

MPRG32274 Orion 7 CCV Kit Contents:

Qty	Part #	Description
1	RG39633	Tube (R539523)
1	RG39634	Tube (R539524)
1	RG39635	Tube (R539525)
1	RG39636	Tube (R539526)
3	RG39720	Grommet (McMaster-Carr #9600K51)
1	19H4027	Screw
1	R20522	Spacer
1	M166804	P - Clamp
1	24M7139	Washer
1	N205662	Nut
1	R140268	Hose
8	TY22539	Worm Clamps
1	R523245	Hose
1	T140924	P - Clamp
1	24H1122	Washer
6	R44302	Zip Ties

ORDER TYPE:

TSD4 - North America

KIT ORDERING:

Order the kit through your normal parts channel.

LABOR:

The labor allowed to install MPRG32267 is **2.25** hours. The labor allowed to install one of the CCV kits (if required) is **3.0** hours. An additional **2.5** hours will be allowed if turbocharger replacement is required. Reasonable access time (if required) should be submitted as a separate labor line with an explanation in the comment section of the claim. The rate is the Dealer's shop rate as registered with the Company.

TRAVEL:

In the Parts – Lab – Other tab you will need to add two labor lines; one line for distance traveled and one line for the driving time. For instructions on how to submit, the dealers can reference the JDWS User's Guide.

Claim Details

Header **Parts-Lab.-Other**

Details Add Row Delete Row

Line No.	Type	Subtype	Key (Part/SPG/Other)	Labor Type	Qty.	Unit	Tech ID	Part # Description	Pi
000001	Part	Part	RE515895		1.00	Piece		STARTER MOTOR KIT	0
000002	Lab. Hours	Shop	LABOR		1.00				0
000003	Lab. Hours	Shop	TRAVEL	Driving Time (OEM)	1.00				0
000004	Other Credits	Other Credits	06		55.00				0.

EXPIRATION DATE: None

TERMINATION DATE: None