

40 CFR 1068, Subpart F- Reporting Defects Engines/Equipment

Header Information:

Corporate Name: **Report Number:**
40 CFR §1068.501(d)(1)

Contact Name: **Report Version:**
40 CFR §1068.501(d)(1)

The name of the contact person for this investigation or defect report.

Contact Email Address: **Contact Phone Number:**

Report Data:

Report Type:
§1068.501(h)(1-3)

Defect Category:
§1068.501(d)(2)

Description of Defect:

§1068.501(d)(2)

Detailed Defect Information:

Description of engines/equipment affected 40 CFR §1068.501(d)(3):

[Use Table 1 to add engine family information \(Click Here\)](#)

Number of engines/equipment estimated to have defect. Describe any statistical methods you used under paragraph (g)(6) of this section 40 CFR §1068.501(d)(4):

[Use Table 2 to add number of engines/equipment estimated to have defect \(Click Here\)](#)

An estimate of the defect's impact on emissions with an explanation of how you calculated this estimate and a summary of any emission data demonstrating the impact of the defect, 40 CFR §1068.501(d)(5):

This defect has no impact on emissions.

A description of your plan for addressing the defect or an explanation of your reasons for not believing the defect must be addressed, 40 CFR §1068.501(d)(6):

See attached document "JDX24-01A OM Wording Supporting Document" for explanation.

Number of documents attached:

Description of engines/equipment affected

40 CFR §1068.501(d)(3)

[Return to 40 CFR 1068 \(click here\)](#)

Engine Family Name	Model Year	Engine Model	Annual Total Production	Estimated Number Affected	Production Start Date	Production End Date
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**Number of engines/equipment estimated to have defect
40 CFR §1068.501(d)(4)**

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Engine Family Name	Estimated Number Affected	Annual Total Production	Percent of Family Affected
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--Select--

Mid-year Investigation Report

End-of-year Investigation Report

Final Investigation Report

Defect Report

--Select--

Air Inlet/Intake System

Catalyst/Aftertreatment Component/System (non-diesel engine)

Computer Related (other than OBD)

Crankcase Ventilation Component/System

Diesel Particulate Filter System

Electrical, Mechanical and Cooling Systems

Exhaust Gas Recirculation (EGR) System

Evaporative Emissions Systems

Exhaust System

Fuel Delivery Component

Fuel Delivery System

Ignition Component

Monitoring/Measuring Sensor/System

NOx Absorber System

NOx Sensor

On-Board Diagnostic (OBD) System

Oxygen Sensor

Selective Catalytic Reduction System

Other: please explain in Description of Defect

Air Inlet/Intake SystemCatalyst/Aftertreatment Component/System (non-diesel engine)Computer Related (other than OI
Air Inlet/Intake SystemCatalyst/Aftertreatment Component/System (non-diesel engine)Computer Related (other than OI
"Air Inlet/Intake System";"Catalyst/Aftertreatment Component/System (non-diesel engine)";"Computer Related (other tl
";"

§1068.501(d)(6) A description of your plan for addressing the defect:

To address the issue, we first reviewed each owner’s manual. John Deere’s total count of owner’s manuals is 51,318. Next, we narrowed the manuals down to 2011 to current reducing the number to 9,809. Because this issue affects only manuals for powered equipment, we further narrowed the scope to 2,406 manuals. After reviewing each for the required content we determined that 1,850 manuals had the correct required language. This left 556 manuals that required correction. Narrowing down to the affected manuals was done through base machine codes, machine product start and end dates, and engine/equipment model numbers. Then we tied the engine/equipment model numbers to their respective owner’s manuals.

Each of these manuals were updated with the following block of information which conforms to 1039.125(f):

<p>Required Emission-Related Information</p> <p>Service Provider</p> <div style="border: 1px solid black; padding: 5px;"> <p>A repair shop or person of the owner's choosing may maintain, replace, or repair emission control devices and systems with original or equivalent replacement parts. However, warranty, recall, and all other services paid for by John Deere must be performed at an authorized John Deere service center.</p> </div>

DX,EMISSIONS,REQINFO -19-06DEC23-1:1

Our PIN (product identification number) specific owner’s manuals are available at no charge online (see web addresses in the attached customer letter). The corrected manuals were uploaded, replacing the incorrect manuals.

Next, we used the engine/equipment model numbers, and production years, and created a PIN list. Using our warranty and registration information a latest known customer list was created from the PIN list. Our remedial plan is to mail the attached customer letter to current customers explaining the missing statement, and providing instructions on how they can obtain PIN specific updated owner’s manuals online.

Note that some customers may have one or more engine/equipment in their name. To reduce confusion with the customer, and reduce mailings, we are only sending one letter per customer. Also, this one letter is all the customers will receive. Any returned letters will not be pursued.

This remedial plan will correct all EPA families certified by John Deere from 2011 to current.

§1068.510 How do I prepare and apply my remedial plan?

(a) In your remedial plan, describe all of the following:

(1) The class or category of engines/equipment to be recalled, including the number of engines/equipment involved and the model year or other information needed to identify the engines/equipment.

Please see table below

(2) The modifications, alterations, repairs, corrections, adjustments, or other changes you will make to correct the affected engines/equipment.

The defect is related to the owner's manual, which has been updated. No changes are or will be made to the engines/equipment.

(3) A brief description of the studies, tests, and data that support the effectiveness of the remedy you propose to use.

Not Applicable

(4) The instructions you will send to those who will repair the engines/equipment under the remedial plan.

Instructions for acquiring the updated manual are in the attached customer letter.

(5) How you will determine the owners' names and addresses.

Please see explanation of how we will address the defect above for this answer.

(6) How you will notify owners; include copies of any notification letters.

Please see explanation of how we will address the defect above for this answer. The customer letter is attached as well.

(7) The proper maintenance or use you will specify, if any, as a condition to be eligible for repair under the remedial plan. Describe how these specifications meet the provisions of paragraph (e) of this section. Describe how the owners should show they meet your conditions.

Not applicable

(8) The steps owners must take for you to do the repair. You may set a date or a range of dates, specify the amount of time you need, and designate certain facilities to do the repairs.

Not applicable

(9) Which company (or group) you will assign to do or manage the repairs.

Not applicable

(10) If your employees or authorized warranty agents will not be doing the work, state who will and describe their qualifications.

Not applicable

(11) How you will ensure an adequate and timely supply of parts.

Not applicable

(12) The effect of proposed changes on fuel consumption, driveability, and safety of the engines/equipment you will recall; include a brief summary of the information supporting these conclusions.

Not applicable

(13) How you intend to label the engines/equipment you repair and where you will place the label on the engine/equipment (see §1068.515).

Since we will not be touching the engines/equipment, we will not be labelling them.

§1068.525 What records must I send to EPA?

(a) Send us a copy of all communications related to the remedial plan you sent to dealers and others doing the repairs. Mail or e-mail us the information at the same time you send it to others.

Only the attached customer letter will be used. Once approved we will begin mailing. No notification will be sent at time of mailing as this discussion should suffice.

(b) From the time you begin to notify owners, send us a report within 25 days of the end of each calendar quarter. Send reports for six consecutive quarters or until all the engines/equipment are inspected, whichever comes first.

As noted, we will only use the initial mailing. No further contact will be made to customers. Since we will not be touching the engine/equipment, and no claims will be filed, we will not be able to track an exact completion. Therefore, we will forego the initial and quarterly reports.

Description of affected engines/equipment §1068.501(d)(4), §1068.510(a)(1)

Engine Description	Emissions Tier	Quantity
3 cyl 2.9L engine	Tier 4 Final	43357
4 cyl 2.4L engine	Tier 3	395
4 cyl 2.4L engine	Tier 4 Interim	11934
5 cyl 3.0L engine	Tier 3	6938
5 cyl 3.0L engine	Tier 4 Interim	6662
4 cyl 4.5L engine	Tier 3	39348
4 cyl 4.5L engine	Tier 4 Interim	37254
4 cyl 4.5L engine	Tier 4 Final	28961
6 cyl 6.8L engine	Tier 3	33112
6 cyl 6.8L engine	Tier 4 Interim	16024
6 cyl 6.8L engine	Tier 4 Final	19213
6 cyl 9.0L engine	Tier 3	30106
6 cyl 9.0L engine	Tier 4 Interim	42999
6 cyl 9.0L engine	Tier 4 Final	54580
6 cyl 13.5L engine	Tier 3	11731
6 cyl 13.5L engine	Tier 4 Interim	12717
6 cyl 13.5L engine	Tier 4 Final	11071
	Total engines	406402

NOTE: This list of affected engines is based on the vehicle manuals that were updated. It will be less than the total number of engines produced because some of the manuals did not require updating.