

SUBJECT: Replacement Engine Ordering Procedures

- Reference:
- 1) Emissions Information and Compliance Section of the Application Guidelines
 - 2) Marketing Information Bulletin (MIB08-04), Engines Ordered with Replacement Emission Label
 - 3) Replacement Engine Questionnaire (attached)

Attachment: Letter of Request for Replacement Engines (See letter attached)

This bulletin applies to all Tier 1 and Tier 2 engines (3029, 4024, 4045, 5030, 6068, 6081 and 6125) ordered from John Deere Power Systems to help ensure compliance with the United States Environmental Protection Agency's (EPA) regulations for new replacement engines. For such engines, marketing rules must be established before JDPS will ship any new "replacement engine".

1) Prior to the acceptance of an order by JDPS for a Tier 1 or Tier 2 engine with a replacement emission label the Distributor must send a letter of request for a replacement engine(s) in writing, on the Distributor's letterhead, to the JDPS Sales Department. The letter (see attached) must include the following information:

- a. Identify the specific John Deere engine model number, power range and emission level of the replacement engine being requested. See EIB09-27, dated 20 Nov 09, for information on John Deere engine model numbers, power ranges and emission levels.
- b. Identify the replacement engine label option code number & replacement label part number. See EIB09-27, dated 20 Nov 09, for information on replacement engine label option codes and label part numbers.
- c. Identify the estimated annual volume of replacement engines required

2) Before a replacement engine is delivered to a customer the Distributor, its member companies, and its authorized representatives (hereafter the Distributor), must determine the following:

- a) That the engine being replaced was not originally subject to emission standards or was originally subject to the same or less stringent emission standards than those that would apply to any replacement engine.
- b) JDPS does not produce an engine certified to meet current requirements that has the appropriate physical or performance characteristics to repower the equipment. See attached replacement engine questionnaire for guidance in making these determinations.

3) If the engine being replaced was not manufactured by John Deere the Distributor must also, before delivering the replacement engine to the customer, determine that the other engine manufacturer does not produce an engine certified to meet current requirements that has the appropriate physical or performance characteristics to repower the equipment.

4) At the end of each calendar year the Distributor must provide JDPS a written annual report listing engines, by serial number, shipped under this provision have been placed into service or remain in inventory. For each engine placed into service the Distributor must provide documentation (replacement engine questionnaire) the engine was installed consistent with the requirements of this paragraph and / or 40 CFR 89.1003 (b) (7), 1068.240 (b), as may be amended. JDPS will be required to send this report and documentation (replacement engine questionnaire) to the EPA Designated Compliance Officer.

5) In process steps 2, 3 & 4 above, the Distributor must keep records (reports provided to JDPS annually) and documentation (replacement engine questionnaire) providing the basis for making the determination that a engine certified to meet current regulations is not available to repower equipment in a specific application. These records (annual report) and documentation (replacement engine questionnaire) must be maintained for 8 years.

6) As outlined in MIB08-04, dated 22 July 08, the Distributor must take possession of the old engine. If the "replacement" engine is utilized in a vehicle currently equipped with a competitive engine, the Distributor should note the competitive engine model on the return form and forward the form along with the competitive engine serial number plate. The competitive engine should be taken out of use by destroying a portion of the block that would prevent the engine from being salvaged. *Failure by the Distributor, its member companies, and its authorized representatives to take possession of the replaced engine is in violation of Federal Law and subject to civil penalty. The return process is audited and Distributors who fail to return engines as outlined above will have all marketing rules revoked (see Item 9 below) and be unable to order future engines with replacement emission labels.*

7) If the engine being replaced was subject to emission standards, the Distributor must ensure the new replacement engine is provided in a configuration identical in all material respects to the old engine. Alternatively, the Distributor may provide a new replacement engine in a configuration identical in all material respects to another certified engine of the same or later model year as long as the engine is not certified with an emission limit higher than that of the old engine.

8) The Distributor has read and understands any new replacement engine provided by JDPS complies with U.S. EPA nonroad emission requirements for engines under 40 CFR 89.1003 (b) (7), 1068.240 (b), as may be amended. Selling or installing any replacement engine for any purpose other than to replace an existing engine may be a violation of Federal Law subject to civil penalty.

9) Effective with the publication of this Order & Shipping Bulletin (OSB), an annual letter of request must be on file with JDPS. When received, marketing rules will be created to allow a Distributor to order engines in the SAP system with a replacement emission label. You will be unable to configure an order in the SAP system until Distributor specific marketing rules are created.

DISTRIBUTOR LETTERHEAD

Date:

**From: Distributor Name
Address
City, State Zip Code**

Distributor Forward to:
John Deere Power Systems
P.O. Box 5100
Waterloo, IA 50704
Attention: Regional Sales Manager

REQUEST FOR REPLACEMENT ENGINES

As a John Deere Distributor, and pursuant to the provisions contained in Title 40 of the Code of Federal Regulations, Part 1068, Section 240 (40 CFR 1068.240), this letter shall serve as written assurance to John Deere Power Systems (JDPS), a Division of Deere & Company, that **Engine Distributor**, its member companies, and its authorized representatives (Engine Distributor) have read and understand the regulations contained in 40 CFR 1068, and more specifically 40 CFR 1068.240, and will fully comply with said regulations as an agent of JDPS.

Accordingly, please consider this a formal request for the procurement of the following replacement engines:

John Deere Engine Model	Power Range		Tier Level	Emission Label Option Code	Emission Label Part Number	Label Description	OEM Estimated Annual Volume
	HP	HP					
6081HF070	175	300	2	93AJ	R527022	Replacement Label - Tier 2	10
6081HF070	300	600	2	93AH	R527021	Replacement Label - Tier 2	7
6068HF275	100	175	2	93BW	R527023	Replacement Label - Tier 2	5

This request is submitted for the period beginning 01 Jan 10 and ending 31 Dec 10.

By signing this letter, Engine Distributor is providing written assurance to John Deere Power Systems that: 1) the replacement engines are being requested pursuant to the provisions under 40 CFR 1068.240 and for no improper or prohibited purpose under 40 CFR Part 1068, or the Clean Air Act, as amended; and 2) the engines being replaced will be held in Engine Distributor's possession until returned to JDPS or destroyed.

Sincerely,

Engine Distributor Signature

NOTE: Must be signed by authorized representative with authority to bind Engine Distributor

Name of Signatory

Title of Signatory

Agreed and agency as described above is hereby established.

John Deere Power Systems

By: _____

Title: _____ Date: _____

Service Replacement Questionnaire

To ensure compliance with EPA, CARB and Environment Canada regulations, please complete the following questionnaire prior to placing an order for a new, non-certified replacement engine:

1. Customer Name: _____

2. Manufacturer of the engine being replaced? _____ (Cat, Cummins, DDC, etc.)

3. Model year of the engine being replaced? _____

4. Model number & serial number of the engine being replaced? _____

5. Type of application? _____ (Gen-Set, Irrigation Pump, Air Compressor, etc.)

6. Is the engine being replaced a certified engine? Yes _____ No _____

If yes, what type of certification does it have? _____ (Tier 1 or Tier 2)

7. Provide the following information for the engine being replaced:

Horsepower & Rated Speed: _____

Peak Torque (if applicable): _____

EPA Category: _____ (Mobile Non-Road, Stationary, Marine)

OEM Equipment Manufacturer: _____

8. Distributor Name: _____

9. Replacement engine serial number: _____

10. Does the manufacturer of the engine being replaced have a currently certified engine available for this application? Yes _____ No _____

If **Yes**, continue to question 12

If **No**, and replacing a competitive engine with a John Deere engine, continue to Question 11

If **No**, and replacing a John Deere engine, continue to Section B (see Page 2)

11. Does John Deere Power Systems have a currently certified engine available for this application? Yes _____ No _____

If **Yes**, continue to question 12

If **No**, continue to SECTION B (see Page 2)

12. Does the currently certified engine have the same physical or performance characteristics as the engine being replaced? (see attachment for definitions of physical and performance characteristics)

Yes _____ No _____

If **Yes**, a currently certified engine must be used

If **No**, continue to SECTION B (see Page 2)

Section B

Please fill out the following information COMPLETELY before an order for a new non-certified replacement engine is placed:

Serial # of engine being replaced:

Reason(s) why a new non-certified replacement engine is being sought:

It is required that the engine being replaced be returned to John Deere once it is replaced with the new replacement engine. See MIB08-04, dated 22 July 08 for additional details.

Name: _____

Address: _____

City: _____ State/Prov: _____

Phone No.: _____ Email: _____

Signature: _____ Date: _____

By the signature above I acknowledge that the information provided above is accurate, and I take sole responsibility for ensuring that the engine which is replaced by the new, non-certified replacement engine will be returned to John Deere per instructions found in MIB 08-04 mentioned above. *I further understand that failure to take possession and return the engine being replaced is a violation of Federal Law and subject to civil penalty.*

Approved by: _____ Date: _____

PHYSICAL AND PERFORMANCE CHARACTERISTICS

This chart is offered as a guide, not a definitive list, of an engine's physical and performance characteristics. Other physical and performance characteristics may exist and be considered.

PHYSICAL CHARACTERISTICS	Does the certified engine have the SAME Characteristic?	Explanation
Cooling System	YES	If the certified engine requires only minor upgrades to the radiator system, then the certified engine has the same physical characteristic
Mounts	YES	If the certified engine requires only minor changes to the mounting system, then the certified engine has the same physical characteristic
Air Inlet System	MAYBE	If the certified engine requires that only the piping needs to be modified to adapt to the turbocharger, then the certified engine has the same physical characteristic If the certified engine requires that the piping and the air cleaner need modification, then the certified engine has a different physical characteristic
Exhaust System	MAYBE	If certified engine requires that only the piping needs to be modified to adapt to the turbocharger, then the certified engine has the same characteristic If the certified engine requires a change to the whole exhaust system, then the certified engine has a different physical characteristic
Control System	MAYBE	If certified engine requires the same electronics, then the certified engine has the same characteristic If the certified engine requires different electronics, engineering judgement is required to determine whether the modifications needed for the new electronics make the certified engine significantly different
Dimensions/Weight	MAYBE	If engineering judgment determines that the certified engine will not fit into the engine compartment, then the certified engine is different
PERFORMANCE CHARACTERISTICS*		
HP/Speed/Torque	YES	If certified engine meets the requirements of the equipment & the customer, then the certified engine has the same performance characteristics
Engine Life	YES	If certified engine meets the expectations of the customer, then the certified engine has the same performance characteristics

- *The physical and performance characteristics listed in this table apply to nonroad engines only. Fuel consumption, smoke, emissions, operation characteristics, and changes in maintenance intervals do not affect the performance of the engine.*