

Conditions for Spare Filter Swapping for the Low Nitrogen Dioxide (NO₂) Filter (LNF) System Manufactured by Donaldson Company, Incorporated (Donaldson)

October 28, 2013

Component swapping means the movement of designated parts between different vehicles/applications utilizing the same Diesel Emission Control Strategies (DECS) as defined in the *Verification Procedure, Warranty and In-Use Compliance Requirements for In-Use Strategies to Control Emissions from Diesel Engines* (Procedure) in Section 2701, Title 13, *California Code of Regulations*.

Donaldson may authorize owners of its verified DECS to swap the diesel particulate filter (DPF) component of the DECS in accordance with the requirements described herein; the swapping of the DPF component of the verified DECS listed in Table 1 below is allowed under the corresponding Executive Order series or Conditional Verification letter.

Table 1. Verified Donaldson DECS Approved for DPF Swapping

DECS	Executive Order Series / Conditional Verification Letter
LNF System	DE-09-009

DPF swapping is subject to the following terms and conditions:

- The owner of the DECS must receive written authorization from Donaldson allowing the practice of DPF swapping with a spare filter for cleaning purposes.
- Swapping is allowed only within the same common ownership fleet as defined in Section 2701 of the Procedure.
- Swapping only applies to the DPF component of the DECS.
- A DPF may only be swapped temporarily for the purpose of cleaning the originally installed filter.
- The spare DPF must be the same size and model, and incorporate the same flange type as the original DPF. The swapped filters must belong to verified configurations covered under the corresponding Executive Order series or Conditional Verification letter.
- The spare DPF must have a label with the appropriate part number for spare filters as specified on the Air Resources Board (ARB) website at:
<http://www.arb.ca.gov/diesel/verdev/companies/donaldson/Inf.htm>
- The spare filter must fit directly in place of the original DPF in the correct filter orientation without modification of the existing installation.

- The original filter must be promptly re-installed on the vehicle upon completion of the cleaning process.
- The spare DPF must be properly maintained as specified in the Donaldson Installation and Operation Manual.
- The end user and installer must verify that the vehicle meets the terms of the original verification.
- The vehicle or engine whose DPF has been removed must remain in compliance with the terms and conditions of the applicable Executive Order series or Conditional Verification letter and have all DECS components present and functional.
- The spare DPF must be installed by the procedure described in the corresponding DECS installation manual or other manual designated for swapping procedures.
- Donaldson must provide detailed written instructions to the authorized owner in the owner's manual, installation manual, or other manual regarding how to swap and install spare filter. Donaldson may not include any prohibitions or limitations to the required warranty (Sections 2706(i)(3) and 2707 of the Procedure), nor can the instructions direct the owner of the DECS to conduct any activity which violates the terms of the governing Executive Order series or Conditional Verification letter or any other applicable regulation.
 - Within ten days of a written request from ARB, Donaldson must provide an exact copy of these instructions in their entirety.
- Donaldson must provide written instructions for assessing if the DECS and spare DPF still meet the verified emissions reductions and instructions for device movement to prevent installation of the DPF on an inappropriate vehicle.
- Prior to installation of either the spare DPF or original DPF, the exhaust system must be inspected for the presence of lubricating oil, fuel, and other engine related fluids.
- Donaldson must honor the original product warranty and warranty period.
- The DPF cannot be swapped among DECS in different verification categories (for example, the DPF of a DECS that is only verified for off-road vehicles cannot be installed into a DECS that is on an on-road vehicle).
- If the installer of the swapped DPF is not the same as the installer who performed the original installation of the DECS, the new installer must assume the installation warranty responsibilities for the swapped DPF as defined in Section 2707 for the remainder of the original warranty period or until another installer installs the spare or original DPF. If the original installation warranty has expired or has less than 1 year remaining, the installer must issue a new warranty to guard against potential installation defects. The new installation warranty must meet the requirements of Section 2707 except that the minimum period is reduced to 1 year from the date of

installation. Any transfer of a DECS or component by an installer that does not offer this installation warranty is not considered a valid installation.

- Donaldson must maintain accurate records of the vehicles and systems subject to the swapping policy. For every swapped DPF, these records must include: DECS serial number, DPF part number, DPF serial number, name of the end-user, engine serial number, vehicle mileage or hours, and date of removal or installation. Donaldson must provide these records to ARB within 30 days of receiving a written request from ARB.
- No party shall advertise, sell, lease, or offer for sale or lease a used, verified DECS or component.

Conditions for Re-Designation of the Low Nitrogen Dioxide (NO₂) Filter (LNF) System Manufactured by Donaldson Company, Incorporated (Donaldson)

October 28, 2013

Re-designation means the movement of a used, verified Emission Control Strategies (DECS) from an appropriate engine/application (donor) to another engine/application (recipient), within the same common ownership fleet, that meets the terms and conditions of the DECS Executive Order or Conditional Verification letter as defined in the *Verification Procedure, Warranty, and In-Use Compliance Requirements for In-Use Strategies to Control Emissions from Diesel Engines* (Procedure) in Section 2701, Title 13, *California Code of Regulations*.

Donaldson may authorize owners of its verified DECS to re-designate their DECS in accordance with the requirements described herein and in the Procedure.

Re-designation of a verified DECS listed in Table 1 below is allowed under the corresponding Executive Order series or Conditional Verification letter.

Table 1. Verified Donaldson DECS Approved for Re-Designation

DECS	Executive Order Series / Conditional Verification Letter
LNF System	DE-09-009

Re-designation is subject to the following terms and conditions:

- The owner of the DECS must receive written authorization from Donaldson for the re-designation to occur.
- The re-designation must be performed by Donaldson or its authorized distributor.
- The system must not be more than ten years old, based on the date of manufacture. Re-designation of a DECS of unknown age is prohibited.
- Re-designation must occur within the same common ownership fleet, as defined in Section 2701 of the Procedure.
- The end user and installer must verify that the recipient vehicle meets the terms and conditions of the governing Executive Order series or Conditional Verification letter. The installer must ensure that the recipient engine meets Donaldson's pre-installation compatibility criteria as required by Section 2706(t)(1) of the Procedure. If a LNF system verified under a previous EO is selected for re-designation to an engine or application that has been excluded under the current EO, the re-designation must not be performed.

- A DECS installed on a vehicle that is repowered may remain installed provided:
 - The replacement engine meets all the terms and conditions of the governing Executive Order or Conditional Verification letter,
 - The DECS is not more than ten years old (based on the date of manufacture), and,
 - The appropriate DECS engine label as shown on the Air Resources Board (ARB) website at: <http://www.arb.ca.gov/diesel/verdev/companies/donaldson/Inf.htm> is affixed to the replacement engine in a visible location.
- Donaldson must provide detailed written instructions in the Owner's Installation and Operation Manual regarding appropriate re-designation practices. Donaldson may not include any prohibitions or limitations to the required warranty (Sections 2706(i)(3)(F) and 2707), nor can the instructions direct the owner of the DECS to conduct any activity which violates the terms of the governing Executive Order series or Conditional Verification letter or any other applicable regulation.
 - Within ten days of a written request from ARB, Donaldson must provide an exact copy of these instructions in their entirety.
- Re-designation applies to the entire system, not the component parts, except that Donaldson requires with each approved re-designated DECS installation the end user must either upgrade to a new Emissions Device Monitor (EDM) kit, or re-flash the existing EDM.
- The re-designated DECS must belong to a verified configuration covered under the governing Executive Order.
- The re-designated system must remain in compliance with the terms and conditions of the applicable EO and have all DECS components present and functional.
- The DECS cannot be re-designated across verification categories (for example, a DECS that is only verified for off-road vehicles cannot be re-designated to an on-road vehicle).
- If the installer of the re-designated DECS is not the same as the installer who did the original installation, the new installer must assume the installation warranty responsibilities defined in Section 2707 for the remainder of the original warranty period or until another installer re-designates the system. If the original installation warranty has expired or has less than one year remaining, the installer must issue a new warranty to guard against potential installation defects. The new installation warranty must meet the requirements of Section 2707 except that the minimum period is reduced to one year from the date of installation. Any transfer of a DECS or components by an installer that does not offer this installation warranty is not considered a valid installation.

- Donaldson must maintain accurate records of the DECS, donor vehicles, and recipient vehicles that are involved in re-designations. The records must include end user contact information, vehicle identification or engine serial numbers, DECS serial number, and DECS operating hours or mileage. Donaldson must be able to track all re-designation events throughout the fleet and provide re-designation records to ARB within 30 days of receiving a written request from ARB.
- No party shall advertise, sell, lease, or offer for sale or lease a used, verified DECS.
- Any party that removes a verified DECS from an engine/application must remove the verified DECS engine label. If the engine label cannot be removed whole, it must be destroyed.
- Any party which re-designates a verified DECS to another engine/application which was never previously retrofit with the same DECS must obtain and properly install an appropriate DECS engine label as shown on ARB website at:
<http://www.arb.ca.gov/diesel/verdev/companies/donaldson/Inf.htm>
- Any party which removes a verified DECS from an engine/application must ensure the engine/application returns to its original factory configuration.
- Donaldson must provide written instructions for assessing if the DECS still meets its verified emissions reductions and instructions for device movement to prevent installation on an inappropriate vehicle.
- The DECS can only be installed on a vehicle that conforms to all the terms and conditions of the most current Executive Order in the associated series listed in Table 1.
- The installation of the re-designated DECS must be performed according to the procedures listed in the DECS installation manual.